REGIONE TOSCANA
GENIO CIVILE
VALDARNO INFERIORE E COSTA

L.R. 28 Dicembre 2015 n. 80

MANUTENZIONE STRAORDINARIA DELLE ARGINATURE DEL FIUME ARNO A PONTEDERA (PI)

PROGETTO DEFINITIVO

ELABORATO :

GEO-R-01

Relazione Geologica

Revisione n.	data	note di revisione	

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1 – PREMESSA

Per incarico della Regione Toscana - *Direzione Difesa del Suolo e Protezione Civile Settore Assetto Idrogeologico* - è stato eseguito uno studio geologico in corrispondenza di un tratto del Fiume Arno nel Comune di Pontedrera (v. Fig. 1 e Tav 1). Lo scopo dei lavori è il potenziamento della sponda sinistra del fiume Arno.

Fig. 1 - Tratto oggetto d'intervento

Tale intervento è il frutto di operazioni che la Regione Toscana attua nei confronti della sicurezza idraulica ed idrogeologica. La soluzione a tale criticità prevede la risistemazione spondale mediante risagomatura della stessa sponda.

Lo studio in generale è stato condotto in ottemperanza alle seguenti leggi e strumenti di governo del territorio sovraordinati:

- Legge Regionale 10 novembre 2014, n. 65 "Norme per il governo del territorio";
- Piano di indirizzo territoriale (PIT) con valenza di piano paesaggistico, approvato con Del.G.R. n.37 del 27.03.2015;

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- DGRT n. 741 del 6 Agosto 2012 "Approvazione delle nuove specifiche tecniche regionali per l'elaborazione di indagini e studi di microzonazione sismica", con riferimento all'All.A, All.B e Appendice 1;

- OPCM n. 3907 del 13.11.2010;

- OPCM 4007/2012, che disciplina i contributi economici per gli interventi di prevenzione del rischio sismico, previsti dall'Art. 11 della Legge n. 77 del 24/06/2009.

- LR n. 58/2009 inerente le norme regionali in materia di prevenzione e riduzione del rischio sismico;

- Standard di rappresentazione ed archiviazione informativa , versione 2.0 –beta II (Commissione Tecnica per la MS, art. 5 comma 7 dell'O.P.C.M. n. 3907 del 13.11.2010 (Giugno 2012);

- Indirizzi e Criteri di Microzonazione Sismica del Dipartimento della Protezione Civile Nazionale (ICMS) approvati il 13 novembre 2008 dalla Conferenza delle regioni e delle Province autonome;

- Volume di "Ingegneria Sismica 2/2011".

- "La norma sismica relativa alla riclassificazione del territorio regionale", approvata con Del. G.R. n.431 del 19.06.2006, in attuazione della O.P.C.M. n. 3519 del 28.04.2006 che modifica l'O.P.C.M. n.3274 del 20.03.2003, recentemente sostituita dalla Del.G.R. n.878 del 08.10.2012,

- Decreto Ministeriale LL.PP. 17.01.2018, Testo Unitario – Norme Tecniche delle Costruzioni;

- Regolamento. R. TOSCANA 19/01/2022, N. 1/R Regolamento di attuazione dell'articolo 181 della legge regionale 10 novembre 2014, n. 65 (Norme per il governo del territorio). Disciplina sulle modalità di svolgimento dell'attività di vigilanza e verifica delle opere e delle costruzioni in zone soggette a rischio sismico.

- Istruzioni Programma VEL (Valutazione degli effetti locali) L.R. 56 del 30/07/97;

- Piano di Gestione del Rischio Alluvioni per il Bacino Distrettuale dell'Appennino Settentrionale ai sensi dell'art. 4 comma 3 del D.Lgs. 219/2010, con deliberazione n. 235 del 3 marzo 2016 del Comitato Istituzionale dell'Autorità di bacino del fiume Arno;

Distretto Settentrionale - Piano di Gestione delle Acque - Comitato Istituzionale Integrato del 3 marzo 2016;

- Variante al P.T.C. di adeguamento e conformità al P.I.T- Delibera di C.P. n. 9 del 13/04/2005,

- P.T.C. (Piano Territoriale di Coordinamento della Provincia di Massa Carrara; Variante di adeguamento e conformità al P.I.T. del 2005) approvato con D.C.P. n°9 del 13/04/2005;

- Piano Strutturale approvato con deliberazione del Consiglio comunale n. 66 del 9/12/2010;

- Deliberazione del Consiglio comunale n. 16 del 26/02/2015. Aggiornamento geomorfologico e definizione della pericolosità geologica del territorio.

- Deliberazione del Consiglio comunale n. 34 del 12/05/2015. Aggiornamento delle indagini idrologiche e idrauliche, del reticolo idraulico, della dinamica costiera e definizione degli ambiti di pertinenza fluviale

- Deliberazione del Consiglio comunale n. 50 del 14/05/2015. Aggiornamento del quadro conoscitivo del piano strutturale relativo agli studi di microzonazione sismica e alla definizione della pericolosità sismica

Regolamento urbanistico e piano d'indirizzo degli orari.approvazione definitiva con ripubblicazio ne di alcune parti. - 2019

- L.R. 24 luglio 2018 n° 41 - Disposizioni in materia rischio alluvioni e di tutela dei corsi d'acqua in attuazione del decreto legislativo 23 febbraio 2010 n° 49 . Modifiche alla L.R: 80/2015 e L.R. 65/2014;

- Piano Strutturale (PS), approvato con deliberazione di Consiglio Comunale n. 3 del 20 gennaio 2004 e successiva variante semplificata approvata con deliberazione di Consiglio Comunale n. 8 del 17 marzo 2015, pubblicata sul Bollettino Ufficiale della Regione Toscana (BURT) n. 16 del 22 aprile 2015;

- Regolamento Urbanistico (RU) approvato con deliberazione di Consiglio Comunale n. 8 del 17 marzo 2015, pubblicato sul BURT n. 16 del 22 aprile 2015 e successiva Variante di Rigenerazione Urbana approvata con deliberazione di Consiglio Comunale n. 7 del 23 marzo 2018;

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- Piano Strutturale Intercomunale - approvazione proposta con Delibera di Giunta ***n.73 del 08/06/2020*** *e' stata approvata la proposta di Piano Strutturale Intercomunale a sensi dell'articolo 23 della legge regionale 65/2014*

In questa fase, la caratterizzazione geotecnica dei terreni, è stata ottenuta mediante la realizzazione di indagini penetrometriche (CPTU) eseguite in sito. Tali indagini, preliminari, dovranno poi essere confrontate con i futuri studi, quali sondaggi e prove di laboratorio, da eseguire nelle prossime settimane.

2 – INQUADRAMENTO GEOLOGICO E GEOMORFOLOGICO

Il Comune di Pontedera ha una estensione di 46 kmq di cui il 63 % in pianura (circa 29 Kmq) ed il 37 % in collina (i restanti 17 Kmq).Esso è collocato sulla riva sinistra dell'Arno oltre il quale confina con il comune di Santa a Monte. Gli altri comuni limitrofi sono, da nord – est in senso orario, Montopoli Val d'Arno, Palaia, Capannoli, Ponsacco, Lari, Cascina e Calcinaia. (v. Fig.2).

Il territorio di Pontedera si inserisce nei processi evolutivi che hanno interessato la parte Sud della provincia pisana e, più a Nord, il tratto finale della Valle dell'Arno.

Fino al Miocene inferiore (12 milioni di anni fa) la zona della Valdera è caratterizzata dalla presenza di un mare nel quale, a partire dal Trias (età di apertura di tale mare) avviene la deposizione di una serie di sedimenti che danno origine alla così detta "serie toscana". In tale serie si passa dai sedimenti carbonatici di mare aperto (da basso a mediamente profondo) fino ai sedimenti silicei (calcari selciferi e diaspri rispettivamente del Lias e del Malm) corrispondenti al massimo grado di approfondimento del mare, per tornare poi a sedimenti carbonatici di mare sempre più basso; è possibile quindi ripercorrere le varie fasi, di apertura prima e di successivo approfondimento poi di tale mare.

Risale quindi al Miocene Medio, una prima fase di compressione e conseguente dorsali, che rimangono ancora separate dal mare ed allineate in direzione Nord-Sud. Dette dorsali vengono distinte nel Complesso dei Monti Livornesi ad Ovest, complesso di Chianni/Casciana al centro e complesso di Iano/Montaione ad est.

Nel Miocene superiore (7 milioni di anni fa), una successiva fase di distensione, e quindi di abbassamento del livello marino, dà origine a due fosse tettoniche (ERA/STERZA ad est e FINE/TORA ad ovest) nelle quali cominciano a delinearsi le strutture delle valli dei fiumi di cui sopra.

Nel Pliocene inferiore e medio si ha un innalzamento del livello del mare e quindi una sua ingressione in tali valli; in questa fase avviene la deposizione di notevoli spessori di argille (Pag), sabbie argillose (P2) e sabbie (P3); restano emerse soltanto le isole di lano, Montecatini Val di Cecina, Orciatico e Rosignano.

Nel Pliocene medio, una nuova fase di sollevamento determina il ritiro del mare verso sud e verso ovest e quindi dal fondo delle valli emergono le argille e le sabbie marine (p2 e p3) che vengono in parte sottoposte ad erosione. Nel Pleistocene inferiore una nuova fase distensiva con conseguente ingressione marina, che per effetto del sollevamento precedente interessa un

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area meno vasta rispetto a quella del Pliocene, da origine nell'area in esame alla deposizione di Sabbie ed argille ad Arctica (Q2) e delle Sabbie di Nugola Vecchia (Q3) durante la fase regressiva.

Nel Pleistocene medio-superiore, una fase "epirogenetica" (lento sollevamento) interessa l'intera area meridionale delle Colline Pisane determinando l'innalzamento delle formazioni plioceniche e pleistoceniche; inoltre dalla dorsale di Casciana Terme si creano due distinti sistemi idrografici, diretti uno verso Est e l'altro verso Ovest, che danno origine rispettivamente. i fiumi Era/Sterza (ad Ovest) e Tora/Fine (ad Est)

Le aree più a Sud, interessate dal massimo sollevamento, vengono corrugamento della crosta terrestre, che per quanto riguarda la zona in esame denudate fino alla messa a giorno delle argille plioceniche. In quelle più a Nord si ha invece la chiusura fluviale del ciclo sedimentario del periodo precedente, con la deposizione dei conglomerati, sabbie e limi di Case Poggio ai Lecci.

Nel Pleistocene Superiore, infine, si ha la deposizione delle sabbie e limi di Vicarello (Q11), sedimenti misti di duna e retroduna e di piana di esondazione fluviale che indicano l'instaurarsi di un ambiente ormai decisamente continentale. Nell'Olocene i cambiamenti più importanti riguardano le zone attraversate dai tratti finali dei F. Arno ed Era e dai loro affluenti più o meno significativi, provenienti in particolare dalle colline meridionali. Argille e limi di notevole spessore (a) concorrono a formare l'attuale pianura pisana ai cui margini orientali si colloca il territorio di Pontedera.

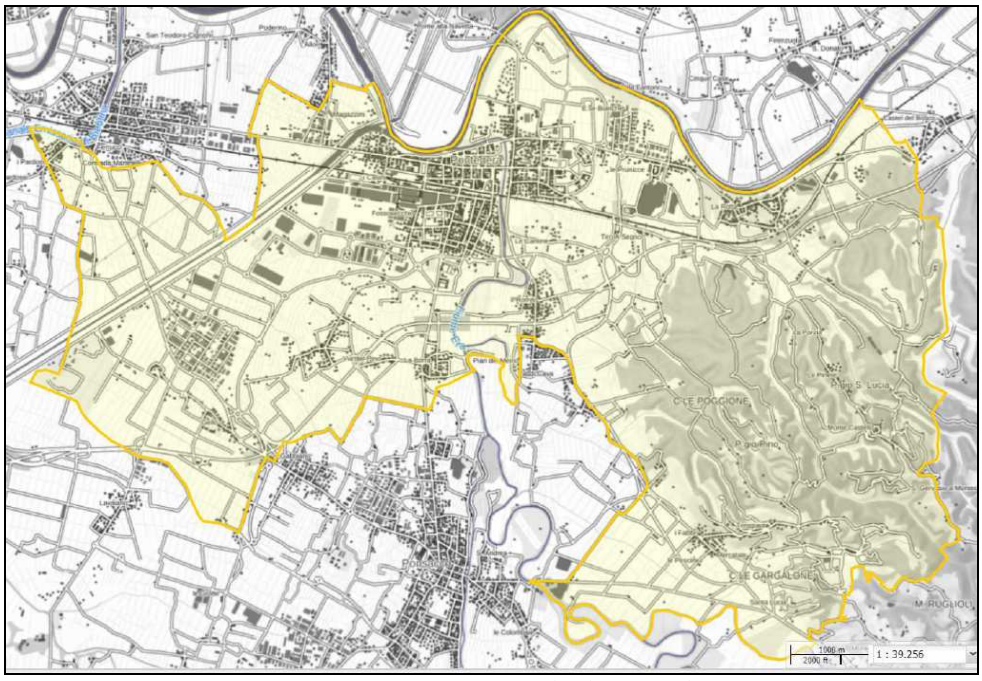

Fig. 2 – Confine comunale di Pontedera

Nell'area in esame affiorano i depositi alluvionali attuali che sono i depositi dei letti fluviali, soggetti ad evoluzione, attraverso processi fluviali ordinari, costituiti da ghiaie, sabbie e limi. (v Tav.2).

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I depositi alluvionali attuali (b) sono i depositi dei letti fluviali attuali, soggetti ad evoluzione, attraverso processi fluviali ordinari, costituiti da ghiaie, sabbie e limi e da depositi prevalentemente limoso sabbiosi nel caso delle piane alluvionali minori.

I depositi alluvionali recenti, terrazzati o non terrazzati (bna) sono riconducibili a depositi di piana alluvionale, costituiti prevalentemente da ciottolami in matrice limoso-sabbiosa, ghiaie, sabbie e limi talora variamente pedogenizzati.

3.1 – IDROGEOLOGIA

La zona in esame si sviluppa lungo la sponda sinistra del Fiume Arno i cui depositi risultano caratterizzati da materiale fini. Tali depositi possono essere sede di una falda significativa che gode di una situazione idrogeologica particolarmente favorevole in corrispondenza proprio nelle aree di fondovalle. Infatti la risorsa principale a disposizione del territorio è rappresentata dai depositi alluvionali del Fiume Arno e dei corsi secondari che poggiano sui depositi pliocenici e/o pleistocenici.

Nelle aree prossime al Fiume Arno, l'assenza delle coperture argillose fa sì che l'acquifero assuma un carattere più decisamente freatico influenzato sia direttamente dall'infiltrazione delle acque meteoriche che dall'alimentazione da parte del sub-alveo del corso d'acqua. Tale quadro è confermato dai controlli stagionali che fanno registrare, nei pozzi, variazioni di livello tra i minimi ed i massimi di 5 - 6 metri, in quanto collegate ai regimi di piena e di magra di Arno. Questa falda è sfruttata sia a scopo idropotabile sia per scopi diversi con una presenza di pozzi privati. Lo spessore dell'acquifero può essere stimato, in relazione alla profondità dei pozzi, intorno a qualche decina di metri. L'andamento piezometrico risulta essere da SE a S. (v. Fig.3).

Durante le indagini penetrometriche è stato registrato un livello piezometrico posto a circa 9.00 m dalla testa argine.

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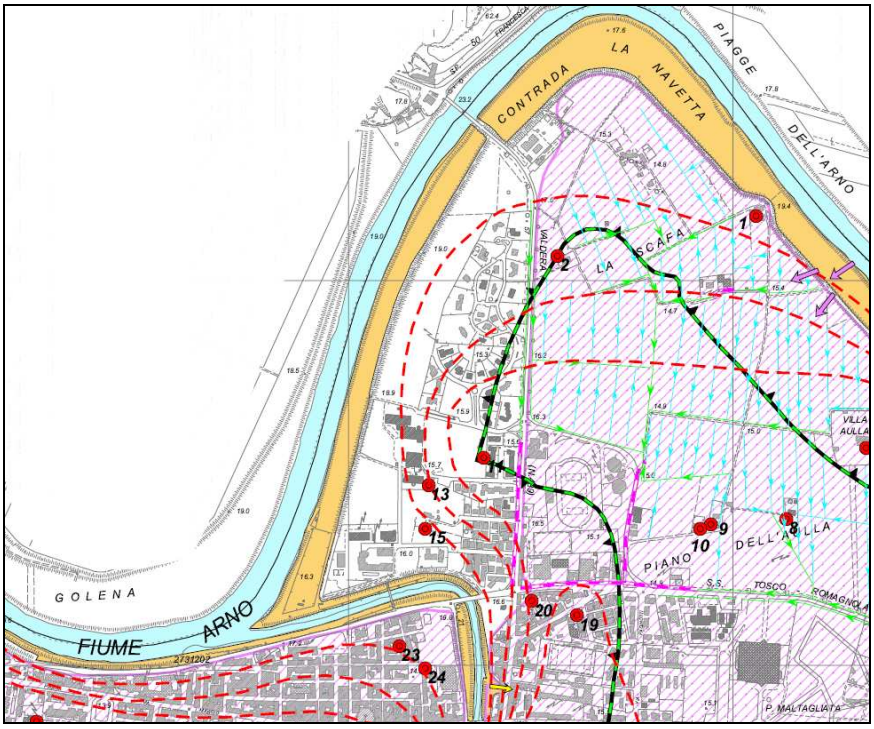

Fig. 3 – Carta piezometrica.

4 - AMBIENTE IDRICO

Il reticolo idrografico analizzato è quello catalogato con LR 79/2012 (v. fig.4). Il corso d'acqua direttamente interessato dall'intervento è il Fiume Arno nel quale si immette, poco più a sud il Fiume Era (v. Fig.5).

Fig. 4 - Reticolo idrografico Regione Toscana - DCR 81/2021

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Fig. 5 - Vista valle Fiume Arno - sponda sinistra area in esame

5. – VINCOLI TERRITORIALI E PERICOLOSITA'

Per effettuare una valutazione della pericolosità geologica-geomorfologica ed idraulica della zona è stato eseguito l'esame della documentazione prodotta degli Enti pubblici preposti al controllo di tali fenomeni (Piano di Bacino Fiume Arno, Piano Strutturale Intercomunale dell'Unione dei Comuni, PGRA, strumenti urbanistici), ed è emerso quanto segue:

PERICOLOSITÀ GEOMORFOLOGICA:

- **PAI**: Piano di Bacino del Fiume Arno, Assetto Idrogeologico – *Perimetrazione delle aree con pericolosità da fenomeni geomorfologici di versante* – PAI dissesti geomorfologici – Cartografia del Progetto di Piano adottato con delibera CIP n° 20 del 20 dicembre 2019 la zona non presenta aree aventi pericolosità (v. Tav.3);

- **Piano Strutturale Intercomunale**:. Nella cartografia della pericolosità geomorfologica la zona ricade in *pericolosità elevata G3. (settore interno argine) e pericolosità media G2 (settore esterno argine)* (v. Tav 4)

PERICOLOSITA' IDRAULICA

- **Strumento urbanistico**: nella cartografia l'area in oggetto è classificata come avente pericolosità idraulica *I4 – pericolosità idraulica molto elevata,* all'interno dell'alveo fluviale, e *pericolosità elevata I3*, all'esterno (v. Tav 5).

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- **PGRA**: nella cartografia redatta a supporto del Piano di gestione Rischio Alluvioni - vigente nelle UoM Arno, Toscana Nord, Toscana Costa ed Ombrone, l'area in oggetto rientra tra le zone aventi *pericolosità idraulica P3 (settore interno argine) e pericolosità media P2 (settore esterno argine)* (v Tav. 6).

6 – INDAGINI E RILEVAMENTI IN SITO

Gli studi sono iniziati a partire dall'acquisizione del quadro diagnostico emergente dalle attività e dalle indagini pregresse svolte sull'area. Infatti la caratterizzazione e la modellazione geologica della zona consiste nella ricostruzione dei caratteri litologici, stratigrafici, strutturali, idrogeologici e più in generale, di pericolosità del sito. In particolare sono stati reperiti degli studi comprendenti sondaggi ed analisi di laboratorio che hanno permesso di definire il quadro generale dell'area (v. Fig.6 - All.1).

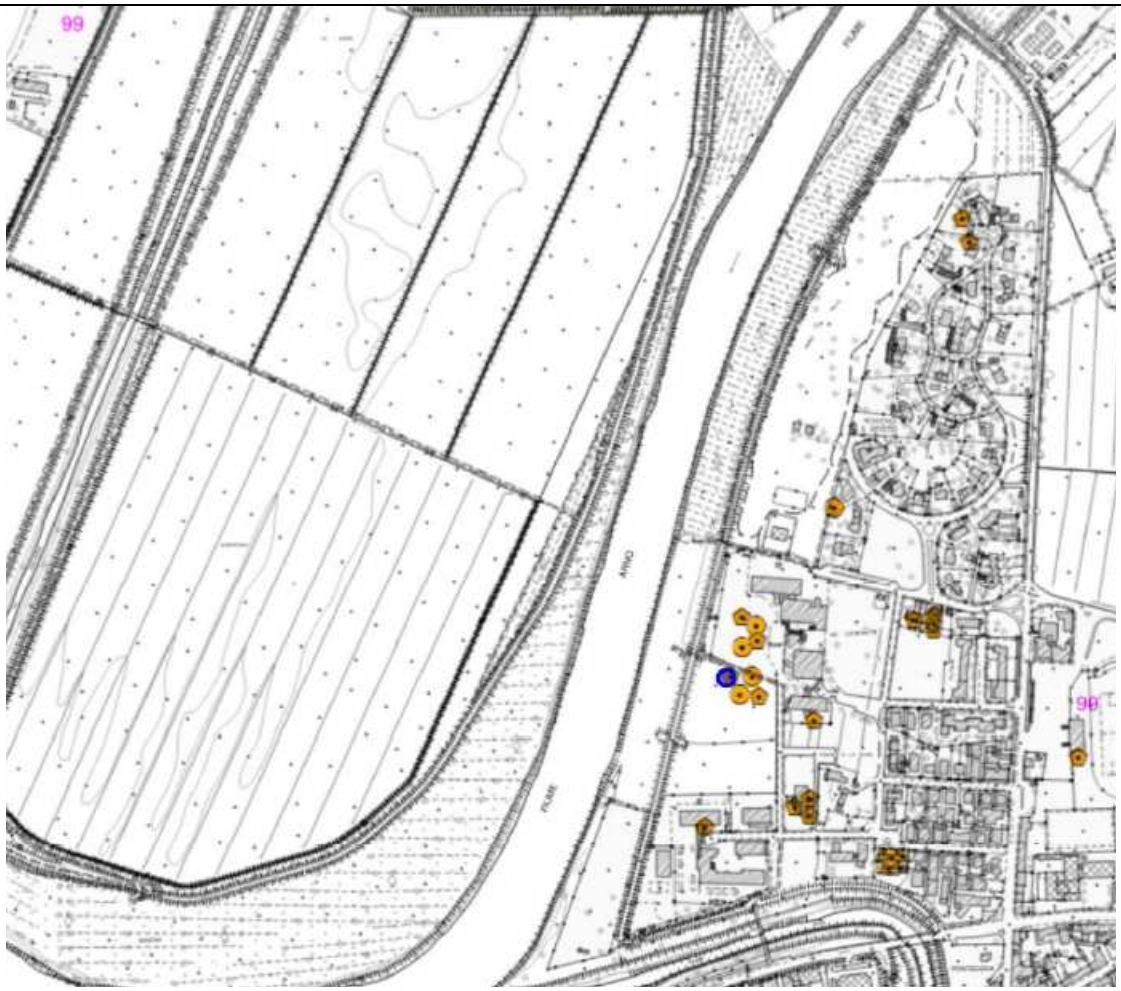

Fig. 6 - Ubicazione indagini campagna geognostica - Bibliografia

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Al fine di integrare i dati esistenti, ricostruire la successione stratigrafica di dettaglio dei terreni interessati ed effettuare una valutazione, preliminare, delle caratteristiche geotecniche degli stessi, è stato predisposto un programma d'indagini integrative comprendente (v. Fig.7):

- N°8 – Prove penetrometriche CPTU – v all.2
- N°2 – Indagini Sismiche MASW – v. all.3

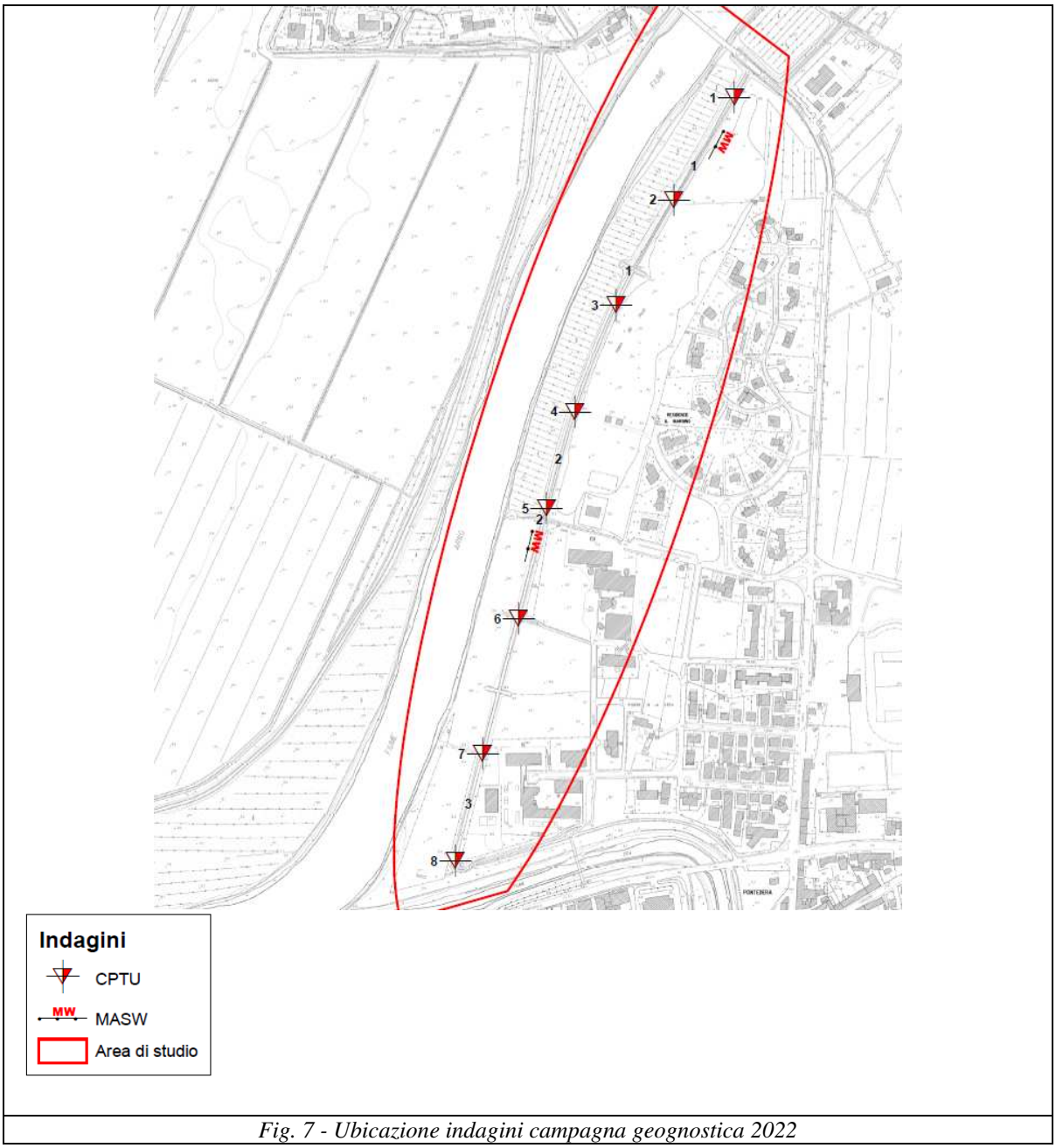

Fig. 7 - Ubicazione indagini campagna geognostica 2022

5.1. – Sondaggi a carotaggio continuo - Bibliografia– v. All. 1 – campagna 1999

In prossimità dell'area in esame sono stati eseguiti, in precedenti studi di carattere geologico, dei sondaggi geognostici a carotaggio continuo, durante i quali sono state eseguite prove Lefranc e prelievo di campioni indisturbati.

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I sondaggi, eseguiti in sinistra idrografica, evidenziano un iniziale deposito limoso sabbioso per uno spessore di circa 4.00 m poggiante su materiali sabbiosi e sabbiosi limosi fino alla profondità di circa 21.00 m dal p .c. per poi proseguire, con depositi argilloso limosi.

I risultati ottenuti, nelle diverse verticali di prova, mostrano una buona coerenza tra loro evidenziando la netta prevalenza di terreni incoerenti o poco coerenti. Nelle tabelle seguenti sono riportati i parametri geotecnici, dei singoli orizzonti, derivanti dalle prove di laboratorio. Tuttavia vengono riportati solo gli orizzonti superficiali in quanto ritenuti significativi per il presente studio. Per i risultati degli orizzonti più profondi si rimanda all'allegato 1.

Prova permeabilità /Sondaggio	*Campagna*	*Profondità m da p.c.*
K1 - 6733	*1999*	*3.00-4.00*
K1 - 6734	*1999*	*7.50-8.10*
K1 - 6735	*1999*	*7.50-8.10*

N° campione /n° sondaggio	*Campagna*	*Profondità m. da p.c.*
C1-6733	*1999*	*3.00/3.50*
C2-6733	*1999*	*22.20/22.70*
C1-6734	*1999*	*2.50/3.00*
C2-6734	*1999*	*15.50/16.00*
C1-6735	*1999*	*2.00/2.50*
C2-6735	*1999*	*14.50/15.00*

Sondaggio 6733

PARAMETRI GEOTECNICI PROVA DI LABORATORIO CAMPIONE INDISTURBATO Campione C1/6733 Limo con argilla								
Profondità (m)	***Umidità naturale***	***Peso di volume g/mc***	***Peso di volume secco g/mc***	***Contenuto d'acqua %***	***Modulo di compressibilità cmq/Kg***	*ϕ' (°)*	*Cu Kg/cmq*	*C' Kg/cmq*
3.00/3.50 m da p.c.	27.48 %	1.95	1.58	23.48	0.011	23.30°	0.37/0.53	-

PARAMETRI GEOTECNICI PROVA DI LABORATORIO CAMPIONE INDISTURBATO Campione C1/6733 Limo con argilla										
Profondità (m)	***Ghiaia %***	***Sabbia %***	***Limo %***	***Argilla %***	***Limite liquidità %***	***Limite di plasticità %***	***Indice di plasticità %***	***Indice di consistenza***		
3.00/3.50 m da p.c.	0.00	2.55	66.35	31.10	39.50	23.10	16.30	0.98		

Sondaggio 6734

PARAMETRI GEOTECNICI PROVA DI LABORATORIO CAMPIONE INDISTURBATO Campione C1/6734 Limo argilloso debolmente sabbioso								
Profondità (m)	***Umidità naturale***	***Peso di volume g/mc***	***Peso di volume secco g/mc***	***Contenuto d'acqua %***	***Modulo di compressibilità cmq/Kg***	*ϕ' (°)*	*Cu Kg/cmq*	*C' Kg/cmq*
2.50/3.00 m da p.c.	22.43%	1.90	1.56	21.48	0.0082	30.30/32.00	0.06/0.00	-

PARAMETRI GEOTECNICI PROVA DI LABORATORIO CAMPIONE INDISTURBATO Campione C1/6733 Limo argilloso debolmente sabbioso									
Profondità (m)	***Ghiaia %***	***Sabbia %***	***Limo %***	***Argilla %***	***Limite liquidità %***	***Limite di plasticità %***	***Indice di plasticità %***	***Indice di consistenza***	
2.50/3.00 m da	0.01	9.18	71.84	18.97	28.00	24.60	3.40	1.64	

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p.c.									

Sondaggio 6735

PARAMETRI GEOTECNICI PROVA DI LABORATORIO CAMPIONE INDISTURBATO Campione C1/6735 Limo con argilla debolmente sabbioso								
Profondità (m)	***Umidità naturale***	***Peso di volume g/mc***	***Peso di volume secco g/mc***	***Contenuto d'acqua %***	***Modulo di compressibilità cmq/Kg***	*ϕ' (°)*	*Cu Kg/cmq*	*C' Kg/cmq*
2.00/2.50 m da p.c.	21.41%	1.99	1.60	24.04	0.01187	32.50	0.89	0.04

PARAMETRI GEOTECNICI PROVA DI LABORATORIO CAMPIONE INDISTURBATO Campione C1/6735 Limo con argilla debolmente sabbioso									
Profondità (m)	***Ghiaia %***	***Sabbia %***	***Limo %***	***Argilla %***	***Limite liquidità %***	***Limite di plasticità %***	***Indice di plasticità %***	***Indice di consistenza***	
2.00/2.50 m da p.c.	0.02	6.16	65.32	28.50	37.00	21.80	15.20	1.03	

Legenda
ϕ = angolo di attrito – Cu = Coesione non drenata – C = Coesione drenata

5.2 - Definizione del grado di permeabilità

Considerata la variabilità litologica dei terreni su cui insistono le opere in progetto, e tenuto conto delle condizioni stratigrafico-strutturali, la capacità d'infiltrazione delle acque meteoriche e la circolazione idrica sotterranea presentano caratteristiche diverse in funzione della natura dei depositi. Ciò dipende principalmente dalla permeabilità dei litotipi, ma anche dall'estensione, continuità e spessore delle formazioni, che condizionano l'infiltrazione e la circolazione idrica sotterranea.

Al fine di definire la permeabilità dei terreni in esame sono state utilizzate delle prove di permeabilità tipo Lefranc, a carico variabile, eseguite, in precedenti studi, nel foro di sondaggio. Tali prove sono state precedute dall'allestimento della tasca di prova, secondo le seguenti modalità esecutive:

- misura del livello di falda nel tratto di misura, con freatimetro elettrico;
-installazione del rivestimento nel foro fino al "tetto" della tasca di prova, avendo cura di approfondire gli ultimi 30 cm di rivestimento con modalità di avanzamento "a secco".
- perforazione con carotiere fino alla quota di prova;
- inserimento nella tasca di prova di ghiaia pulita fino a riempire l'intero spessore della tasca.

L'esecuzione della prova di permeabilità vera e propria è avvenuta secondo le modalità seguenti:

1. riempimento con acqua del foro, fino alla sommità del rivestimento.
2.interruzione dell'immissione di acqua, e misura nel tempo della diminuzione del livello dalla testa tubo del rivestimento.

La metodologia utilizzata per la valutazione della permeabilità K fa riferimento alla metodologia consigliata dalla Associazione Geotecnica Italiana (AGI) ed utilizza i seguenti schemi geometrici e relazioni di calcolo.

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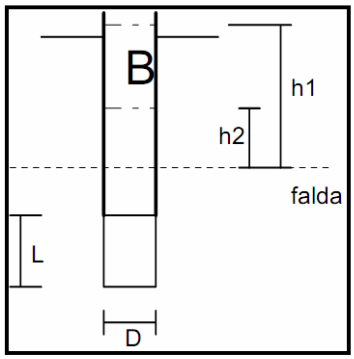
Schema di prova in abbassamento



$$K = \frac{A}{C_L \cdot (t_2 - t_1)} \cdot \ln \frac{h_1}{h_2}$$

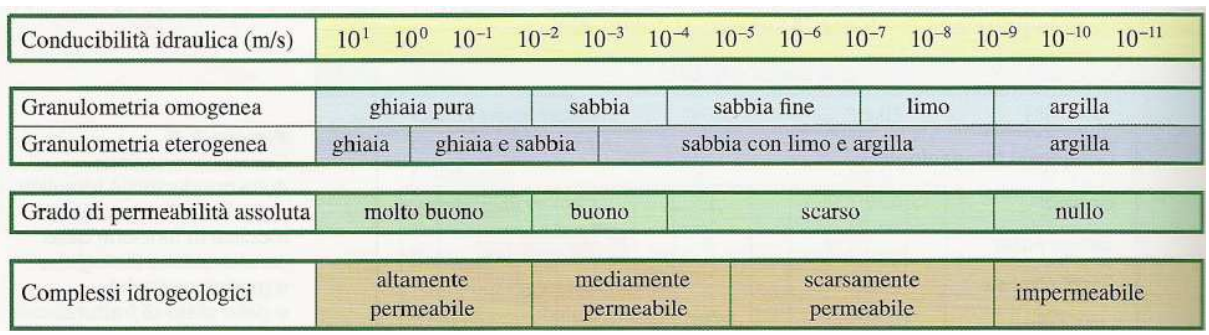
dove:

K = coefficiente di permeabilità;
A = area di base
h1, h2 = altezza dei livelli d'acqua nel foro rispetto al livello di falda indisturbata o a fondo foro, ai tempi t1 e t2
t1, t2 = tempi nei quali si misurano h1 e h2
CL = coeff. di forma dipendente dalla configurazione geometrica
CL = L se L > D *CL = 2D+L se L < D*

Il metodo visualizza un grafico tempi/abbassamenti in cui viene calcolato un valore di K per ogni tratto della curva tra una lettura e la successiva; inoltre viene calcolato un valore medio dal punto della curva ove si ritiene che si sia instaurato un regime di flusso permanente (dopo saturazione dei terreni), fino a fine curva.

Prova/Sondaggio	*Campagna*	*K media (cm/s)*	*Profondità m da p.c.*
K1-6733	*1999*	*1.27E-05*	*3.00/4.00*
K2-6734	*1999*	*2.03E-04*	*7.50/8.10*
K1-6735	*1999*	*3.06E-05*	*7.50/8.10*

I valori ottenuti mostrano dei range di permeabilità costanti andando in profondità così da poter classificare i terreni "*scarsamente permeabile*" (v. All.1).



La struttura idrogeologica è caratterizzata dalla presenza di una falda acquifera che permea nei livelli incoerenti e misti della successione alluvionale, costituita da termini litologici

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prevalentemente a grana limosa, originatesi a seguito dei depositi prodotti dai corsi d'acqua, da depositi di natura marina ed eolica, ed è dotata, mediamente, da un grado di permeabilità scarsa. Gli studi eseguiti evidenziano una falda superficiale che stazione tra 1.00/7.00 m dal piano campagna in funzione dei rapporti fluviali.

5.3.- Penetrometrie – V ALL.2

Le indagini sono state eseguite con penetrometro Pagani TG63-200 i cui diagrammi riportano, in funzione della profondità in metri sotto la superficie del terreno le misure rilevate, a seconda della strumentazione utilizzata.

Le indagini sono state eseguite mediante punta CPTU che misura la resistenza alla penetrazione di una punta conica, di dimensioni e caratteristiche standard, infissa a velocità costante nel terreno, tramite un dispositivo di spinta che agisce su una batteria di aste. Il sistema permette la misura ogni cm delle caratteristiche geotecniche dei terreni indagati; è infatti possibile acquisire, durante il movimento, le grandezze qc (resistenza di punta) ed fs (attrito laterale). Sulla base dei dati ricavati dalle prove è stato possibile ricostruire la seguente successione stratigrafica e i relativi parametri geotecnici.

Prova CPTU1

INTERVALLO DI PROFONDITA' E LITOLOGIA	PARAMETRI GEOTECNICI	
da 0.00 a 1.20 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità,	= 1,70 t/mc = 0.60 Kg/cmq = 0,010 cmq/ kg
da 1.20 a 3.10 m Limi sabbiosi e Sabbie limose	peso di volume, γ coesione non drenata angolo di attrito Coeff. compressibilità, (medio)	= 1,70 t/mc = 0.40 Kg/cmq = 32° = 0,006 cmq/ kg
da 3.10 a 4.50 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,80 t/mc = 0.45 Kg/cmq = 0,005 cmq/ kg
da 4.50 a 5.60 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,75 t/mc = 32° = 0,004 cmq/ kg
da 5.60 a 7.00 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,80 t/mc = 0.60 Kg/cmq = 0,005 cmq/ kg
da 7.00 a 8.70 m Argille e limi argillosi poco addensati	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,65 t/mc = 0.35 Kg/cmq = 0,050 cmq/ kg
da 8.70 a 10.00 m Sabbie e sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,80 t/mc = 30° = 0,004 cmq/ kg

Prova CPTU2

INTERVALLO DI PROFONDITA' E LITOLOGIA	PARAMETRI GEOTECNICI	
da 0.00 a 0.70 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità,	= 1,60 t/mc = 30° = 0,010 cmq/ kg
da 0.70 a 2.00 m Argille e limi argillosi	peso di volume, γ coesione non drenata	= 1,70 t/mc = 0.60 Kg/cmq

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	Coeff. compressibilità, (medio)	= 0,008 cmq/ kg
da 2.00 a 3.50 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,70 t/mc = 31° = 0,006 cmq/ kg
da 3.50 a 6.80 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,80 t/mc = 0.55 Kg/cmq = 0,005 cmq/ kg
da 6.80 a 8.25 m Argille e limi argillosi poco addensati	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,75 t/mc = 0.50 Kg/cmq = 0,012 cmq/ kg
da 8.25 a 10.00 m Sabbie e sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,80 t/mc = 31° = 0,004 cmq/ kg

Prova CPTU3

INTERVALLO DI PROFONDITA' E LITOLOGIA	PARAMETRI GEOTECNICI	
da 0.00 a 1.80 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,60 t/mc = 0.60 Kg/cmq = 0,009 cmq/ kg
da 1.80 a 3.60 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità,	= 1,70 t/mc = 32° = 0,006 cmq/ kg
da 3.60 a 6.60 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,80 t/mc = 0.50 Kg/cmq = 0,005 cmq/ kg
da 6.60 a 8.75 m Argille e limi argillosi poco addensati	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,75 t/mc = 0.50 Kg/cmq = 0,014 cmq/ kg
da 8.75 a 10.00 m Sabbie e sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,85 t/mc = 31° = 0,004 cmq/ kg

Prova CPTU4

INTERVALLO DI PROFONDITA' E LITOLOGIA	PARAMETRI GEOTECNICI	
da 0.00 a 1.10 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,65 t/mc = 0.60 Kg/cmq = 0,008 cmq/ kg
da 1.10 a 1.30 m Argille poco consistenti	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,50 t/mc = 0.40 Kg/cmq = 0,035 cmq/ kg
da 1.30 a 1.60 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità,	= 1,55 t/mc = 0.40 Kg/cmq = 0,010 cmq/ kg
da 1.60 a 3.30 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,70 t/mc = 30° = 0,005 cmq/ kg
da 3.30 a 6.25 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,80 t/mc = 0.50 Kg/cmq = 0,004 cmq/ kg
da 6.25 a 7.40 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito coesione non drenata	= 1,80 t/mc = 32° = 0.55 Kg/cmq

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	Coeff. compressibilità,	= 0,004 cmq/ kg
da 7.40 a 8.60 m Argille	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,75 t/mc = 0.50 Kg/cmq = 0,015 cmq/ kg
da 8.60 a 9.20 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,75 t/mc = 0.48 Kg/cmq = 0,005 cmq/ kg
da 9.20 a 9.70 m Argille poco addensate	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,70 t/mc = 0.55 Kg/cmq = 0,022 cmq/ kg
da 9.70 a 10.00 m Sabbie e sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,85 t/mc = 31° = 0,004 cmq/ kg

Prova CPTU5

INTERVALLO DI PROFONDITA' E LITOLOGIA	PARAMETRI GEOTECNICI	
da 0.00 a 1.60 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,60 t/mc = 0.60 Kg/cmq = 0,010 cmq/ kg
da 1.60 a 3.30 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,70 t/mc = 32° = 0,005 cmq/ kg
da 3.30 a 4.20 m Argille	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,85 t/mc = 0.70 Kg/cmq = 0,006 cmq/ kg
da 4.20 a 6.60 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,78 t/mc = 0.50 Kg/cmq = 0,005 cmq/ kg
da 6.60 a 6.80 m Argille	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,78 t/mc = 0.48 Kg/cmq = 0,008 cmq/ kg
da 6.80 a 7.90 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,80 t/mc = 0.55 Kg/cmq = 0,005 cmq/ kg
da 7.90 a 9.30 m Argille	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,75 t/mc = 0.40 Kg/cmq = 0,010 cmq/ kg
da 9.30 a 9.80 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità,	= 1,80 t/mc = 30° = 0,005 cmq/ kg
da 9.80 a 10.00 m Sabbie e sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,85 t/mc = 31° = 0,004 cmq/ kg

Prova CPTU6

INTERVALLO DI PROFONDITA' E LITOLOGIA	PARAMETRI GEOTECNICI	
da 0.00 a 1.40 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,60 t/mc = 0.60 Kg/cmq = 0,009 cmq/ kg
da 1.40 a 3.75 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,65 t/mc = 32° = 0,006 cmq/ kg
da 3.75 a 4.25 m	peso di volume, γ	= 1,80 t/mc

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Argille	coesione non drenata Coeff. compressibilità, (medio)	= 0.50 Kg/cmq = 0,005 cmq/ kg
da 4.25 a 6.50 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,75 t/mc = 0.48 Kg/cmq = 0,005 cmq/ kg
da 6.50 a 6.80 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,80 t/mc = 31° = 0,005 cmq/ kg
da 6.80 a 7.20 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,80 t/mc = 0.55 Kg/cmq = 0,006 cmq/ kg
da 7.20 a 7.50 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,80 t/mc = 31° = 0,006 cmq/ kg
da 7.50 a 8.50 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,75 t/mc = 0.50 Kg/cmq = 0,009 cmq/ kg
da 8.50 a 9.40 m Argille poco addensate	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1.65 t/mc = 0.40 Kg/cmq = 0,025 cmq/ kg
da 9.40 a 10.00 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità,	= 1,80 t/mc = 30° = 0,005 cmq/ kg

Prova CPTU7

INTERVALLO DI PROFONDITA' E LITOLOGIA	PARAMETRI GEOTECNICI	
da 0.00 a 0.50 m Argille	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,70 t/mc = 0.55 Kg/cmq = 0,006 cmq/ kg
da 0.50 a 1.70 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,65 t/mc = 0.45 Kg/cmq = 0,009 cmq/ kg
da 1.70 a 3.75 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,65 t/mc = 31° = 0,006 cmq/ kg
da 3.75 a 5.25 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,78 t/mc = 0.55 Kg/cmq = 0,007 cmq/ kg
da 5.25 a 5.75 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,75 t/mc = 31° = 0,006 cmq/ kg
da 5.75 a 6.00 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,75 t/mc = 0.50 Kg/cmq = 0,005 cmq/ kg
da 6.00 a 6.25 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,80 t/mc = 31° = 0,006 cmq/ kg
da 6.25 a 6.75 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,80 t/mc = 0.60 Kg/cmq = 0,005 cmq/ kg
da 6.75 a 7.60 m Argille	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1.80 t/mc = 0.60 Kg/cmq = 0,0125 cmq/ kg
da 7.60 a 7.80 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità,	= 1.75 t/mc = 31° = 0,006 cmq/ kg

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da 7.80 a 8.00 m Argille	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1.80 t/mc = 0.70 Kg/cmq = 0,008 cmq/ kg
da 8.00 a 8.60 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità,	= 1,80 t/mc = 32° = 0,006 cmq/ kg
da 8.60 a 9.25 m Argille poco addensate	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,78 t/mc = 0.45 Kg/cmq = 0,022 cmq/ kg
da 9.25 a 10.00 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità,	= 1,80 t/mc = 31° = 0,005 cmq/ kg

Prova CPTU8

INTERVALLO DI PROFONDITA' E LITOLOGIA	PARAMETRI GEOTECNICI	
da 0.00 a 0.80 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,65 t/mc = 31° = 0,007 cmq/ kg
da 0.80 a 1.20 m Argille	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,65 t/mc = 0.30 Kg/cmq = 0,006 cmq/ kg
da 1.20 a 1.50 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,60 t/mc = 29° = 0,007 cmq/ kg
da 1.50 a 1.70 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,60 t/mc = 0.30 Kg/cmq = 0,006 cmq/ kg
da 1.70 a 2.00 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,60 t/mc = 30° = 0,005 cmq/ kg
da 2.00 a 2.50 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,60 t/mc = 0.30 Kg/cmq = 0,008 cmq/ kg
da 2.50 a 4.75 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità, (medio)	= 1,70 t/mc = 31° = 0,005 cmq/ kg
da 4.75 a 8.50 m Argille e limi argillosi	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,80 t/mc = 0.70 Kg/cmq = 0,007 cmq/ kg
da 8.50 a 8.80 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità,	= 1.85 t/mc = 31° = 0,006 cmq/ kg
da 8.60 a 9.25 m Argille poco addensate	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1.80 t/mc = 0.60 Kg/cmq = 0,012 cmq/ kg
da 9.25 a 9.70 m Limi sabbiosi e Sabbie limose	peso di volume, γ angolo di attrito Coeff. compressibilità,	= 1,90 t/mc = 32° = 0,006 cmq/ kg
da 9.70 a 10.00 m Argille poco addensate	peso di volume, γ coesione non drenata Coeff. compressibilità, (medio)	= 1,78 t/mc = 0.45 Kg/cmq = 0,016 cmq/ kg

Sulla base delle indagini e delle osservazioni eseguite sono state realizzate le sezioni geologiche riportate nella tavola 9.

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5.4.- Modellazione geotecnica del sottosuolo

Sulla scorta dei rilevamenti e delle indagini svolte è possibile ricostruire l'assetto litostratigrafico preliminare dei terreni, in attesa degli approfondimenti geotecnici da eseguire in sito, mediante sondaggi e prove di laboratorio.

Secondo l'Eurocodice 7 e le NTC, i valori caratteristici Kx consistono in una stima cautelativa del valore che influenza l'insorgere dello stato limite. Il § C6.2.2.4 della Circolare illustra chiaramente come tali valori debbano essere scelti. In particolare: *"Nelle valutazioni che il progettista deve svolgere per pervenire ad una scelta corretta dei valori caratteristici, appare giustificato il riferimento a valori prossimi ai valori medi quando nello stato limite considerato è coinvolto un elevato volume di terreno, con possibile compensazione delle eterogeneità o quando la struttura a contatto con il terreno è dotata di rigidezza sufficiente a trasferire le azioni dalle zone meno resistenti a quelle più resistenti. Al contrario, valori caratteristici prossimi ai valori minimi dei parametri geotecnici appaiono più giustificati nel caso in cui siano coinvolti modesti volumi di terreno, con concentrazione delle deformazioni fino alla formazione di superfici di rottura nelle porzioni di terreno meno resistenti del volume significativo, o nel caso in cui la struttura a contatto con il terreno non sia in grado di trasferire forze dalle zone meno resistenti a quelle più resistenti a causa della sua insufficiente rigidezza. La scelta di valori caratteristici prossimi ai valori minimi dei terreni; basti pensare, ad esempio, all'effetto delle discontinuità sul valore operativo della resistenza non drenata. Una migliore approssimazione nella valutazione dei valori caratteristici può essere ottenuta operando le opportune medie dei valori dei parametri geotecnici nell'ambito di piccoli volumi di terreno, quando questi assumano importanza per lo stato limite considerato".*

I valori dei parametri fisico-meccanici dei terreni indicata nella tabella seguente, fanno riferimento a valori prossimi ai valori medi ottenuti dalle prove CPTU, in quanto le strutture in progetto, a contatto con il terreno, sono dotate di rigidezza sufficiente a trasferire le azioni dalle zone meno resistenti a quelle più resistenti

Parametri geotecnici prelimiari									
Orizzonte geotecnico	**Profondità (m)**	**Litologia**	**γ (t/mc)**	**ϕ (°)**	**Cu (Kg/cmq)**	**C' (Kg/cmq)**	**Cu (Kg/cmq)**	**ϕ' (°)**	**Ed (Kg/cmq)**
Orizzonte 1		limi sabbiosi e sabbie limose	1.70	31					110
Orizzonte 2		Argille e limi argillosi	1.80		0.55		0.45	27	120
Orizzonte 3		Argille e limi argillosi poco consistenti	1.70		0.50				50
Orizzonte 4		Sabbie e sabbie limosi	1.85	31					180

LEGENDA	
γ (t/mc)	Peso di volume
ϕ (°)	Angolo di attrito
Cu (Kg/cmq)	Coesione non drenata
C'(Kg/cmq)	Coesione drenata
Ed (Kg/cmq)	Modulo edometrico
	Da bibliografia
	Da prove di laboratorio
	Da prove penetrometriche

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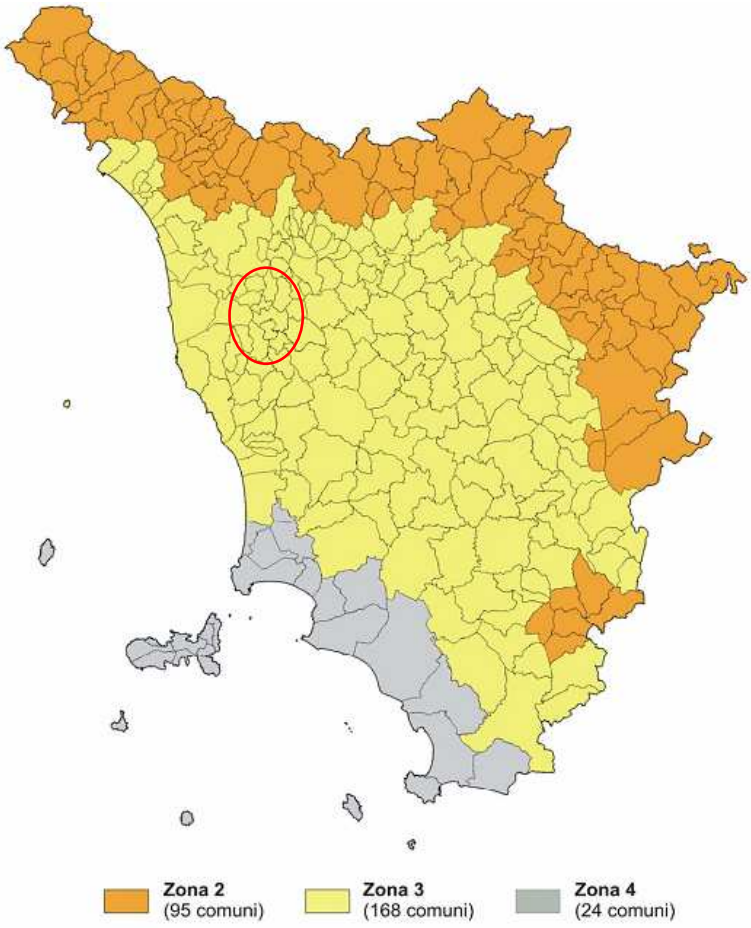
6 - CARATTERIZZAZIONE SISMICA

L'azione sismica sui manufatti è generata dal moto non uniforme del sedime per effetto della propagazione delle onde sismiche. Il moto eccita la struttura provocandone la risposta dinamica, che va verificata e controllata negli aspetti di sicurezza e di prestazioni attese.

Con il termine di "zonazione sismica" s'intende, convenzionalmente, l'operazione di suddivisione del territorio nazionale in aree (zone sismiche) a differente livello di pericolosità, cioè in aree alle quali vengono attribuiti valori differenziali del grado di sismicità da prendere a base per la determinazione delle azioni sismiche e di quanto altro specificato nelle norme tecniche. L'operazione ha per obiettivo la definizione del livello di esposizione alle azioni sismiche delle varie parti del paese e l'assegnazione ad ogni zona di alcuni parametri ingegneristici utili per la progettazione strutturale. In termini molto semplificati, le ricerche di supporto per una zonazione sismica comprendono studi di sismicità storica, ricerche di geologia strutturale e studi sismologici.

Secondo l'aggiornamento della classificazione sismica della Regione Toscana realizzato nel 2012, il territorio comunale di Pontedera ricade nella Zona 3. Si riporta di seguito, per il Territorio del Comune, le modifiche di classificazione succedute negli anni.

Cod. ISTAT	Comune	CLASSIFICAZIONI SISMICHE PRECEDENTI										ATTUALE
		Regio Decreto 13 marzo 1927 n°431		Regio Decreto 25 marzo 1935 n°640	Regio Decreto 22 novembre 1937 n°2105		Legge 25 novembre 1962 n°1684	Decreto Ministeriale 19 marzo 1982	Ord. P.C.M. n°3274 20 Marzo 2003 Del. G.R.T. n°604 16 giugno 2003	Ord.P.C.M. n°3519 28 aprile 2006 Del. G.R.T. n°431 19 giugno 2006	Del. G.R.T. n°878 8 ottobre 2012	Del. G.R.T. n°421 26 maggio 2014 e Comuni fusi al 01/01/2019
PONTEDERA		n c		n c	n c		n c	2	2	3 S	3	3



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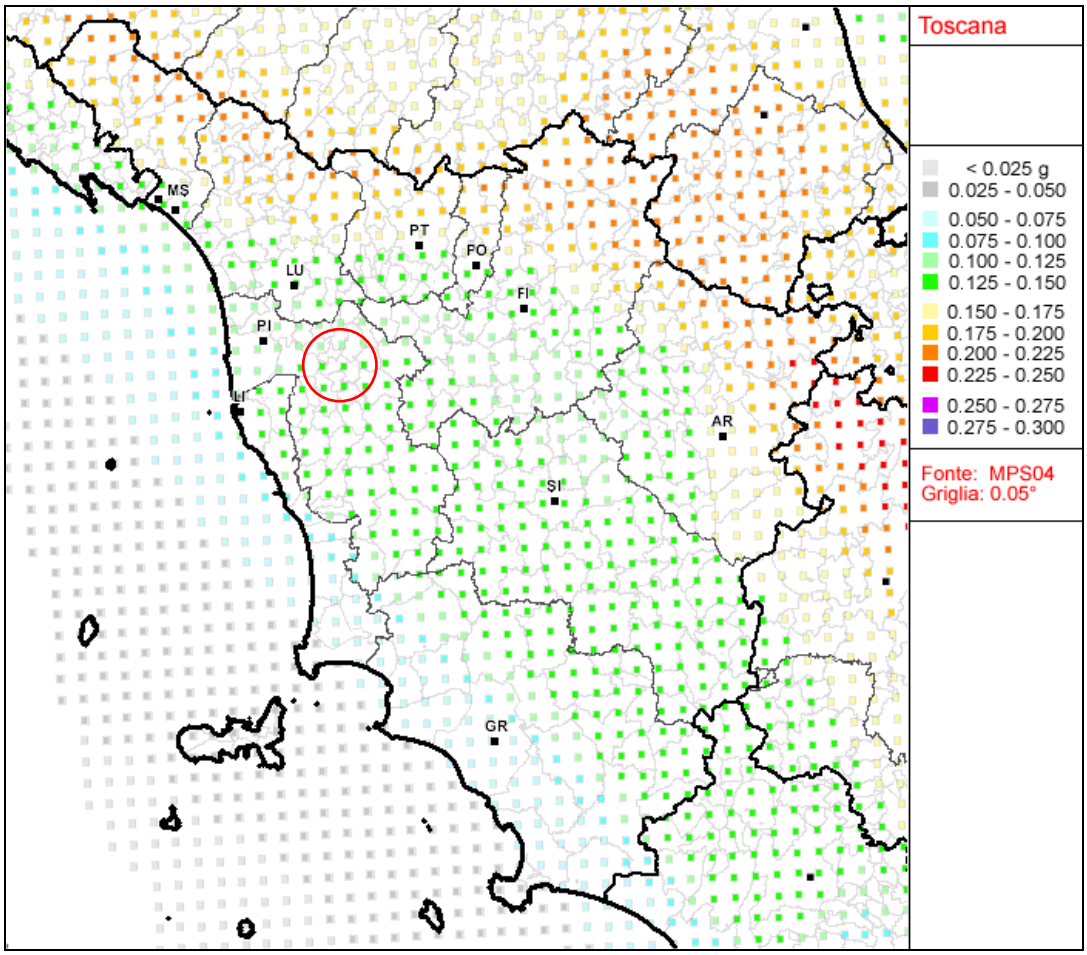
L'O.P.C.M 3519 del 28 aprile 2006 suddivide le zone 1,2 e 3 in sottozone caratterizzate da valori di ag con intervalli minori di 0.025 g ricavati dalla mappa di pericolosità sismica del territorio nazionale allegata al testo dell'ordinanza. La mappa è consultabile all'indirizzo http://zonesismiche.mi.ingv.it che assegna al Comune un valore di a(g) compreso tra 0.010 g e 0.150 g. In particolare la Regione Toscana fornisce, per ogni comune, il parametro **ag(475) rif**, che rappresenta la massima accelerazione attesa al suolo (PGA) corrispondente al tempo di ritorno di 475 anni (Mappa di pericolosità sismica INGV, 2004 - 50° percentile), espressa in g e riferita alle coordinate della sede comunale.



Non si hanno notizie di effetti particolarmente rilevanti di terremoti sul territorio di Pontedera, non risulta quindi possibile, in mancanza di dati, fare un confronto con la distribuzione dei danni del passato. Questa è la storia sismica di Pontedera come risulta dal DataBase Macrosismico Italiano, DBMI11 (v. fig.8).

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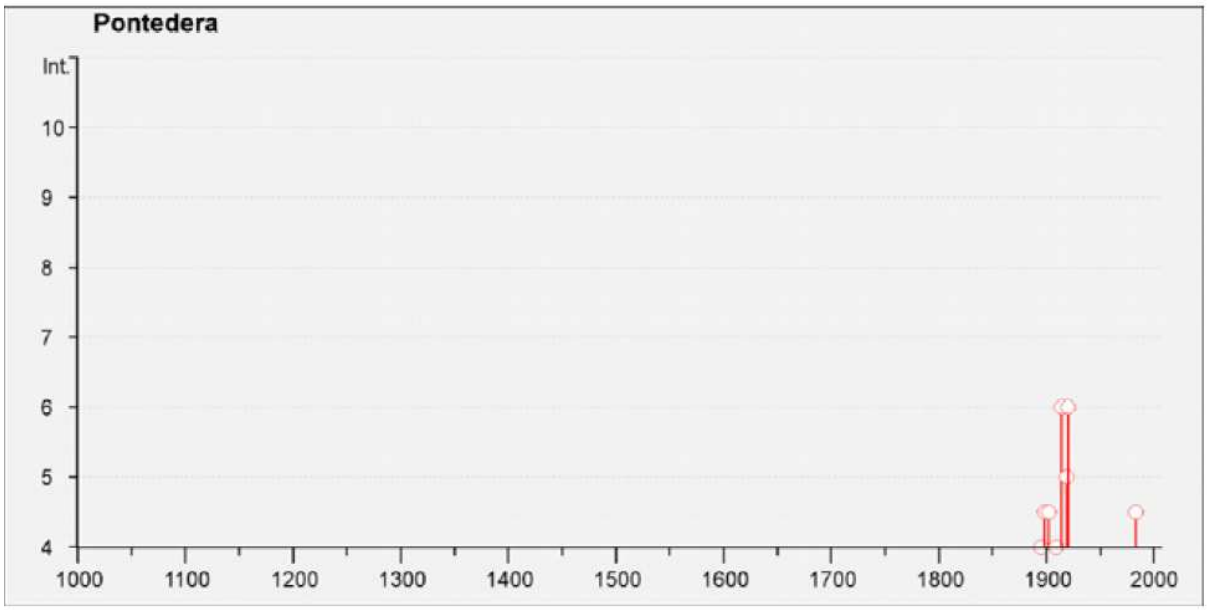

Figura 8. Andamento nel tempo dei terremoti per il Comune di Pontedera (INGV)

7 - INDAGINI GEOFISICHE

L'azione sismica sulle costruzioni è generata dal moto non uniforme del sedime per effetto della propagazione delle onde sismiche. Il moto eccita la struttura provocandone la risposta dinamica, che va verificata e controllata negli aspetti di sicurezza e di prestazioni attese.

Con il termine di "zonazione sismica" s'intende, convenzionalmente, l'operazione di suddivisione del territorio nazionale in aree (zone sismiche) a differente livello di pericolosità, cioè in aree alle quali vengono attribuiti valori differenziali del grado di sismicità da prendere a base per la determinazione delle azioni sismiche e di quanto altro specificato nelle norme tecniche. L'operazione ha per obiettivo la definizione del livello di esposizione alle azioni sismiche delle varie parti del paese e l'assegnazione ad ogni zona di alcuni parametri ingegneristici utili per la progettazione strutturale. In termini molto semplificati, le ricerche di supporto per una zonazione sismica comprendono studi di sismicità storica, ricerche di geologia strutturale e studi sismologici.

Per la classificazione sismica dell'area di studio, nel maggio 2022, sono state eseguite le seguenti indagini geofisiche:

- N. 2 – Indagine sismica MASW

L'ubicazione delle indagini eseguite è riportata nella Fig.7, mentre in Allegato n. 3 sono presenti i grafici relativi ai risultati ottenuti dall'elaborazione dell'indagine sismica MASW.

7.1- MASW

Il metodo MASW (Multichannel Analysis of Surface Waves) è una tecnica di indagine non invasiva che permette di valutare la variazione di velocità delle onde di taglio con la profondità basandosi sulla registrazione delle onde superficiali fatta in corrispondenza di

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diversi sensori (accelerometri o geofoni) posti sulla superficie del suolo. Il contributo predominante alle onde superficiali è dato dalle onde di Rayleigh, che viaggiano con una velocità correlata alla rigidezza della porzione di terreno interessata dalla propagazione delle onde. In un mezzo stratificato le onde di Rayleigh sono dispersive, cioè onde con diverse lunghezze d'onda si propagano con diverse velocità di fase e velocità di gruppo (Achenbach, J.D., 1999, Aki, K. and Richards, P.G., 1980) o detto in maniera equivalente la velocità di fase (o di gruppo) apparente delle onde di Rayleigh dipende dalla frequenza di propagazione di ciascuna componente.

La natura dispersiva delle onde superficiali è correlabile al fatto che onde ad alta frequenza, con lunghezza d'onda corta, si propagano negli strati più superficiali e quindi danno informazioni su questa parte del suolo, invece onde a bassa frequenza si propagano negli strati più profondi.

Il processo che consente di determinare la variazione di velocità delle onde di taglio con la profondità consiste in tre fasi: la prima prevede il calcolo della velocità di fase (o curva di dispersione) apparente sperimentale, la seconda consiste nel calcolare la velocità di fase apparente numerica, la terza ed ultima fase consiste nell'individuazione del profilo di velocità delle onde di taglio verticali Vs, modificando opportunamente lo spessore h, le velocità delle onde di taglio Vs e di compressione Vp, la densità di massa r degli strati che costituiscono il modello del suolo, fino a raggiungere una sovrapposizione ottimale tra la velocità di fase (o curva di dispersione) sperimentale e la velocità di fase (o curva di dispersione) numerica, corrispondente al modello di suolo assegnato.

La caratterizzazione sismica dei terreni è stata ottenuta tramite due indagini; la prima (masw1) è stata effettuata all'interno della zona golenale, la seconda (masw2) è stata realizzata presso i giardini pubblici, posti all'esterno dell'area golenale.

Per la determinazione dei profili di velocità si è formulato, inizialmente, un modello sismostratigrafico basato sulle informazioni ricavate dall'analisi dei primi arrivi in rifrazione, dal reperimento di alcune stratigrafie eseguite nell'area in studio e dai dati delle prove penetrometriche CPTU eseguite nell'area dello spazio pubblico. Tale modello è stato successivamente sottoposto ad inversione per affinamento del profilo.

Dalle due analisi eseguite è stato determinato un profilo di velocità tipico di un suolo di categoria **"C"**: *Depositi di terreni a grana grossa mediamente addensati o terreni a grana fina mediamente consistenti con profondità del substrato superiori a 30 m, caratterizzati da un miglioramento delle proprietà meccaniche con la profondità e da valori di velocità equivalente compresi tra 180 m/s e 360 m/s.*

7.2 –Periodo di riferimento dell'azione sismica

Le azioni sismiche, su ciascuna costruzione, vengono valutate in relazione ad un periodo di riferimento Vr che si ricava moltiplicando la vita nominale Vn per il coefficiente d'uso Cu :

$$Vr = Vn\ Cu$$

Il valore del coefficiente d'uso Cu è definito, al variare della classe d'uso.

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CLASSE D'USO	I	II	III	IV
COEFFICIENTE Cu	0,7	1,0	1,5	2,0

Vita Nominale

La vita nominale di un'opera strutturale Vn è intesa come il numero di anni nel quale la struttura, purchè soggetta a manutenzione ordinaria, deve poter essere usata per lo scopo al quale è destinata.

	TIPI DI COSTRUZIONI	Vita nominale Vn (anni)
1	Opere provvisorie – Opere provvisionali – Strutture in fase costruttiva	10
2	Opere ordinarie, ponti, opere infrastrutturali e dighe di dimensioni contenute o di importanza normale	≥ 50
3	Grandi opere, ponti, opere infrastrutturali e dighe di grandi dimensioni o di importanza strategica	≥ 100

Classi d'uso

In presenza di azioni sismiche, con riferimento alle conseguenze di una interruzione di operatività o di un eventuale collasso, le costruzioni sono suddivise in classi d'uso:

Classe I: Costruzioni con presenza solo occasionale di persone, edifici agricoli.
Classe II: Costruzioni il cui uso preveda normali affollamenti, senza contenuti pericolosi per l'ambiente e senza funzioni pubbliche e sociali essenziali. Industrie con attività non pericolose per l'ambiente. Ponti, opere infrastrutturali, reti viarie non ricadenti in Classe d'uso III o in Classe d'uso IV, reti ferroviarie la cui interruzione non provochi situazioni di emergenza. Dighe il cui collasso non provochi conseguenze rilevanti.
Classe III: Costruzioni il cui uso preveda affollamenti significativi. Industrie con attività pericolose per l'ambiente. Reti viarie extraurbane non ricadenti in Classe d'uso IV. Ponti e reti ferroviarie la cui interruzione provochi situazioni di emergenza. Dighe rilevanti per le conseguenze di un loro eventuale collasso.
Classe IV: Costruzioni con funzioni pubbliche o strategiche importanti, anche con riferimento alla gestione della protezione civile in caso di calamità. Industrie con attività particolarmente pericolose per l'ambiente. Reti viarie di tipo A o B, di cui al D.M. 5 novembre 2001, n. 6792, "Norme funzionali e geometriche per la costruzione delle strade", e di tipo C quando appartenenti ad itinerari di collegamento tra capoluoghi di provincia non altresì serviti da strade di tipo A o B. Ponti e reti ferroviarie di importanza critica per il mantenimento delle vie di comunicazione, particolarmente dopo un evento sismico. Dighe connesse al funzionamento di acquedotti e a impianti di produzione di energia elettrica

7.3 - Categorie di suolo e condizioni topografiche

La categoria di sottosuolo e le condizioni topografiche incidono sullo spettro elastico di risposta. Specificatamente l'accelerazione spettrale massima dipende dal coefficiente

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$$S = Ss*St$$

che comprende gli effetti delle amplificazione stratigrafica (Ss) e topografica (St):

Categoria	Caratteristiche della superficie topografica
T1	Superficie pianeggiante, pendii e rilievi isolati con inclinazione media i ≤ 15°
T2	Pendii con inclinazione media i > 15°
T3	Rilievi con larghezza in cresta molto minore che alla base e inclinazione media 15° ≤ i ≤ 30°
T4	Rilievi con larghezza in cresta molto minore che alla base e inclinazione media i > 30°

Categoria topografica	Ubicazione dell'opera o dell'intervento	S_T
T1	-	1,0
T2	In corrispondenza della sommità del pendio	1,2
T3	In corrispondenza della cresta del rilievo	1,2
T4	In corrispondenza della cresta del rilievo	1,4

Sulla base delle considerazioni sopra esposte e considerando le informazione strutturali ricevute si possono riassumere le seguenti caratteristiche generali:

Vita nominale Vn	**50 anni**
Classe d'uso	**III**
Coefficiente Cu	**1,50**
Periodo di riferimento	**≥ 75**
Categoria del suolo	**C**
Condizione topografica	**T1**

7.4 – Pericolosità sismica e parametri sismici

Il moto generato da un terremoto in un sito dipende dalle particolari condizioni locali, cioè dalle caratteristiche topografiche e stratigrafiche dei depositi di terreno e degli ammassi rocciosi, dalle proprietà fisiche e meccaniche dei materiali. Il moto sismico alla superficie di un sito è definito mediante l'accellerazione massima (amax) attesa in superficie e da una forma spettrale, ancorata ad essa.

$$\mathbf{a\ max = St*Ss*ag}$$

Ss coefficiente di amplificazione stratigrafica
St il coefficiente di amplificazione topografica.

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Categoria sottosuolo	S_S	C_C
A	1,00	1,00
B	$1,00 \le 1,40 - 0,40 \cdot F_o \cdot \frac{a_g}{g} \le 1,20$	$1,10 \cdot (T_C^*)^{-0,20}$
C	$1,00 \le 1,70 - 0,60 \cdot F_o \cdot \frac{a_g}{g} \le 1,50$	$1,05 \cdot (T_C^*)^{-0,33}$
D	$0,90 \le 2,40 - 1,50 \cdot F_o \cdot \frac{a_g}{g} \le 1,80 \cdot$	$1,25 \cdot (T_C^*)^{-0,50}$
E	$1,00 \le 2,00 - 1,10 \cdot F_o \cdot \frac{a_g}{g} \le 1,60$	$1,15 \cdot (T_C^*)^{-0,40}$

La determinazione dei parametri spettrali, necessari per la definizione dell'azione sismica di progetto, viene effettuata calcolandoli direttamente per il sito in esame, utilizzando le informazioni disponibili nel reticolo di riferimento e tenendo conto dei parametri riportati precedentemente.

Parametri sismici

Tipo di elaborazione: Stabilità dei pendii

Sito in esame.

latitudine: 43,673724
longitudine: 10,638468
Classe: 3
Vita nominale: 50

Siti di riferimento

Sito 1 ID: 20493 Lat: 43,6489 Lon: 10,5880 Distanza: 4911,965
Sito 2 ID: 20494 Lat: 43,6506 Lon: 10,6571 Distanza: 2975,138
Sito 3 ID: 20272 Lat: 43,7006 Lon: 10,6547 Distanza: 3258,318
Sito 4 ID: 20271 Lat: 43,6989 Lon: 10,5856 Distanza: 5089,465

Parametri sismici

Categoria sottosuolo: C
Categoria topografica: T1
Periodo di riferimento: 75anni
Coefficiente cu: 1,5

Operatività (SLO):
Probabilità di superamento: 81 %
Tr: 45 [anni]
ag: 0,050 g
Fo: 2,545
Tc: 0,246 [s]*

Danno (SLD):
Probabilità di superamento: 63 %
Tr: 75 [anni]
ag: 0,062 g
Fo: 2,549
Tc: 0,258 [s]*

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Salvaguardia della vita (SLV):
Probabilità di superamento: *10* *%*
Tr: *712* *[anni]*
ag: *0,143 g*
Fo: *2,494*
Tc:* *0,283* *[s]*

Prevenzione dal collasso (SLC):
Probabilità di superamento: *5* *%*
Tr: *1462* *[anni]*
ag: *0,180 g*
Fo: *2,481*
Tc:* *0,289* *[s]*

Coefficienti Sismici Stabilità dei pendii

SLO:
Ss: *1,500*
Cc: *1,670*
St: *1,000*
Kh: *0,015*
Kv: *0,008*
Amax: *0,739*
Beta: *0,200*

SLD:
Ss: *1,500*
Cc: *1,640*
St: *1,000*
Kh: *0,019*
Kv: *0,009*
Amax: *0,908*
Beta: *0,200*

SLV:
Ss: *1,490*
Cc: *1,590*
St: *1,000*
Kh: *0,051*
Kv: *0,025*
Amax: *2,084*
Beta: *0,240*

SLC:
Ss: *1,430*
Cc: *1,580*
St: *1,000*
Kh: *0,062*
Kv: *0,031*
Amax: *2,521*
Beta: *0,240*

Le coordinate espresse in questo file sono in ED50
Geostru

Coordinate WGS84
latitudine: *43.672759*
longitudine: *10.637473*

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8 – VERIFICA LIQUEFAZIONE DEI TERRENI

Ai sensi delle NTC la verifica a liquefazione può essere omessa quando si manifesti almeno una delle seguenti circostanze:

1. accelerazioni massime attese al piano campagna in assenza di manufatti (condizioni di campo libero) minori di 0,1g;

2. profondità media stagionale della falda superiore a 15 m dal piano campagna, per piano campagna sub-orizzontale e strutture con fondazioni superficiali;

3. depositi costituiti da sabbie pulite con resistenza penetrometrica normalizzata (N1)60 > 30 oppure qc1N > 180 dove (N1)60 è il valore della resistenza determinata in prove penetrometriche dinamiche (Standard Penetration Test) normalizzata ad una tensione efficace verticale di 100 kPa e qc1N è il valore della resistenza determinata in prove penetrometriche statiche (Cone Penetration Test) normalizzata ad una tensione efficace verticale di 100 kPa;

4. distribuzione granulometrica esterna alle zone indicate nella Fig. 7.11.1(a) nel caso di terreni con coefficiente di uniformità Uc < 3,5 e in Fig. 7.11.1(b) nel caso di terreni con coefficiente di uniformità Uc > 3,5.

Il potenziale di liquefazione dei terreni sotto scuotimento sismico è un fenomeno che può verificarsi in terreni sabbiosi monogranulari sotto falda limitatamente ai primi 10÷15 m dalla superficie del terreno a causa della progressiva riduzione delle tensioni efficaci.

I metodi semplificati si basano sul rapporto che intercorre fra le sollecitazioni di taglio che producono liquefazione e quelle indotte dal terremoto; hanno perciò bisogno di valutare i parametri relativi sia all'evento sismico sia al deposito, determinati questi ultimi privilegiando metodi basati su correlazioni della resistenza alla liquefazione con parametri desunti da prove in situ. La resistenza del deposito alla liquefazione viene quindi valutata in termini di fattore di resistenza alla liquefazione

$$(1.0)\,F_S = \frac{CRR}{CSR}$$

dove CRR (Cyclic Resistance Ratio) indica la resistenza del terreno agli sforzi di taglio ciclico e CSR (Cyclic Stress Ratio) la sollecitazione di taglio massima indotta dal sisma.

La normativa richiede che il controllo della possibilità di liquefazione venga effettuato quando la falda freatica si trova in prossimità della superficie ed il terreno di fondazione comprende strati estesi o lenti spesse di sabbie sciolte sotto falda, anche se contenenti una frazione fine limo-argillosa.

La normativa esclude il pericolo di liquefazione se il terreno saturo si trova ad una profondità superiore a 15 m o se $\mathbf{a_g S} < 0{,}15g$ e, contemporaneamente, si verifica una delle seguenti condizioni:

- contenuto in argilla superiore al 20%, con indice di plasticità > 10;
- contenuto di limo superiore al 35% e resistenza $N_{1,60} > 20$;
- frazione fine trascurabile e resistenza $N_{1,60} > 25$.

Come la normativa europea, quella italiana ritiene che la suscettibilità a liquefazione deve

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essere verificata come minimo mediante i metodi generalmente accettati dall'ingegneria geotecnica, basati su correlazioni di campagna tra misure in situ e valori critici dello sforzo ciclico di taglio che hanno causato liquefazione durante terremoti passati.

Lo sforzo ciclico di taglio CSR viene stimato con l'espressione semplificata:

$$(4.4)\ CSR = 0{,}65\ S \frac{a_g}{g} \frac{\sigma_{vo}}{\sigma'_{vo}} \frac{r_d}{MSF} \frac{1}{K_\sigma}$$

dove **S** è il coefficiente di profilo stratigrafico, definito come segue:

Tabella 5

***Categoria* suolo**	**S**
A	1,00
B, C, E	1,25
D	1,35

Il coefficiente riduttivo $\mathbf{r_d}$ viene valutato secondo quanto proposto da Idriss (1999):

$$(4.5a)\ r_d = \exp\left[\alpha(z) + \beta(z) M\right]$$

$$(4.5b)\ \alpha(z) = -1{,}012 - 1{,}126\ \mathrm{sen}\left[\left(\frac{z}{11{,}73}\right) + 5{,}133\right]$$

$$(4.5c)\ \beta(z) = 0{,}106 + 0{,}118\ \mathrm{sen}\left[\left(\frac{z}{11{,}28}\right) + 5{,}142\right]$$

Il fattore di correzione della magnitudo **MSF** utilizzato dal programma è quello raccomandato dal NCEER (Tabella 1).
K_σ è un fattore di correzione della tensione litostatica compreso fra 1 e 1,5 (Olsen, 1984):

$K_\sigma = 1$ per $\sigma'_{vo} < 100$

$K_\sigma = (\sigma'vo/100)^{f-1}$ per $\sigma'_{vo} \geq 100$

dove f è un parametro funzione di $(N_{1,60})$ e σ'_{vo}.

La resistenza alla liquefazione viene calcolata mediante la seguente espressione:

$$(4.6)\ CRR = \frac{1}{\left[34 - (N_{1,60})_{cs}\right]} \frac{(N_{1,60})_{cs}}{135} + \frac{50}{\left[10\,(N_{1,60})_{cs} + 45\right]^2} - \frac{1}{200}$$

dove $(N_{1,60})_{cs}$ viene calcolato mediante la (4.1), nella quale però $N_{1,60}$ è valutato nel seguente modo:

$$(4.7)\ N_{1,60} = C_N\ C_E\ C_R\ C_S\ C_B\ N_m$$

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dove C_N e C_E sono calcolati mediante la (4.2b) e la (4.2c).

C_R è un fattore di correzione per la lunghezza L delle aste della prova pari a:

Tabella 6

L	C_R
≤3	0,75
3 < L ≤4	0,80
4 < L ≤6	0,85
6 < L ≤10	0,95
> 10	1,00

C_S è un fattore di correzione per il tipo di campionatore:
per campionatori di tipo standard C_S è sempre uguale a 1,0
per campionatori di tipo non-standard C_S è compreso fra 1,1 e 1,3

C_B è un fattore di correzione per il diametro del foro di sondaggio ed è pari a:

Tabella 7

Diametro foro	C_B
65 – 115 mm	1,00
115 – 150 mm	1,05
150 – 200 mm	1,15

Secondo le normative europea e italiana è suscettibile di liquefazione un terreno in cui lo sforzo di taglio generato dal terremoto supera l'80% dello sforzo critico che ha provocato liquefazione durante terremoti passati e quindi deve essere $\mathbf{F_S \leq 1,25}$.

La probabilità di liquefazione $\mathbf{P_L}$, invece, è data dall'espressione di Juang et al. (2001):

$$(4.8)\quad P_L = \frac{1}{1+\left(\frac{F_S}{0,72}\right)^{3,1}}$$

Nello studio in esame il valore della accelerazione massima al suolo (ag/g) è stata ricavata utilizzando specifica utility della ditta GeoStru Software di Bianco (RC), facendo riferimento, in cautela, allo SLV

Si evidenzia come nelle verifiche eseguite il valore della magnitudo del sisma (M) è quello atteso. Tale valore si ricava andando a considerare la zonazione sismogenetica (ZS9), secondo la quale la sismicità può essere distribuita in 36 zone, a ciascuna delle quali è associata una magnitudo massima M_{max}.

Per i siti che ricadono in una delle 36 zone sismogenetiche predette si assume come M il valore M_{max} (*Tabella 2.8-1*)

Nel caso in esame la magnitudo massima attesa è pari a : $M_{max} = 5.68$.

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Inoltre ricordando che la liquefazione si verifica in terreni saturi, non compatti, non consolidati, monogranulati si ritengono valide in via cautelativa le assunzioni di seguito riportate:

- Magnituto M = 5.90
Falda = - 3.00 m da p.c..

2 - CALCOLO DELLA SUSCETTIBILITA' DI LIQUEFAZIONE

Dati generali

Numero di strati = 7
Profondità della falda = 3 m
Magnitudo del sisma = 5.9
Accelerazione massima al suolo = 0.21

Strato Nr.	Descrizione (-)	Quota iniziale (m)	Quota finale (m)	Peso di volume secco (KN/mc)	Peso di volume saturo (KN/mc)	Nr. colpi medio (Nspt)	D50 dei granuli (mm)	Resistenza qc (KPa)	Resistenza all'attrito laterale fs (KPa)	Velocità Vs (m/s)
1		0.00	0.35	17	18.5					82
2		0.35	0.85	17	18.5					138
3		0.85	2.00	17	18.5					183
4		2.00	4.40	17	18.5					158
5		4.40	8	17.5	19					201
6		8	13.8	18	19.5					278
7		13.8	15	18	19.5					220

EC8 (Vs) (1998)

Input dati

Strato Nr.	Frazione limosa (%)	Frazione argillosa (%)	Indice di plasticità (%)	Tipo di suolo
1				C - Depositi di sabbie o ghiaie mediamente addensate o di argille di media consistenza
2				C - Depositi di sabbie o ghiaie mediamente addensate o di argille di media consistenza
3				C - Depositi di sabbie o ghiaie mediamente addensate o di argille di media consistenza
4				C - Depositi di sabbie o ghiaie mediamente addensate o di argille di media consistenza
5				C - Depositi di sabbie o ghiaie mediamente addensate o di argille di media consistenza
6				C - Depositi di sabbie o ghiaie mediamente addensate o di argille di media consistenza
7				C - Depositi di sabbie o ghiaie mediamente addensate o di argille di media consistenza

Risultati

Correzione per la magnitudo (MSF) = 2.33

Verifica Nr.	Profondità dal p. c. (m)	Pressione litostatica totale (KPa)	Pressione verticale efficace (KPa)	Velocità normalizzata Vs1 (m/s)	Valore critico di Vs1 (Vs1c) (m/s)	Coefficiente riduttivo (rd)	Resistenza alla liquefazione (CRR)	Sforzo di taglio normalizzato (CSR)	Coefficiente di sicurezza (Fs)	Suscettibilità di liquefazione	Probabilità di liquefazione (%)
1	3.20	54.70	52.74	185.41	220.00	0.98	0.13	0.07	1.79	NL	5.61
2	3.40	58.40	54.48	183.91	220.00	0.97	0.12	0.07	1.70	NL	6.52
3	3.60	62.10	56.22	182.47	220.00	0.97	0.12	0.07	1.61	NL	7.62
4	3.80	65.80	57.95	181.09	220.00	0.97	0.12	0.08	1.54	NL	8.65
5	4.00	69.50	59.69	179.75	220.00	0.97	0.12	0.08	1.47	NL	9.86

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6	4.20	73.20	61.43	178.47	220.00	0.97	0.11	0.08	1.41	NL	11.07
7	4.40	76.90	63.17	177.23	220.00	0.97	0.11	0.08	1.36	NL	12.22
8	4.60	80.70	65.01	223.85	220.00	0.96	0.00	0.08	0.00	L	100.00
9	4.80	84.50	66.85	222.29	220.00	0.96	0.00	0.09	0.00	L	100.00
10	5.00	88.30	68.69	220.79	220.00	0.96	0.00	0.09	0.00	L	100.00
11	5.20	92.10	70.53	219.34	220.00	0.96	1.50	0.09	17.01	NL	0.01
12	5.40	95.90	72.36	217.93	220.00	0.96	0.57	0.09	6.42	NL	0.11
13	5.60	99.70	74.20	216.57	220.00	0.96	0.40	0.09	4.41	NL	0.36
14	5.80	103.50	76.04	215.25	220.00	0.96	0.32	0.09	3.54	NL	0.71
15	6.00	107.30	77.88	213.96	220.00	0.95	0.28	0.09	3.04	NL	1.14
16	6.20	111.10	79.72	212.72	220.00	0.95	0.26	0.09	2.72	NL	1.60
17	6.40	114.90	81.56	211.51	220.00	0.95	0.24	0.09	2.49	NL	2.09
18	6.60	118.70	83.40	210.33	220.00	0.95	0.22	0.10	2.31	NL	2.62
19	6.80	122.50	85.23	209.19	220.00	0.95	0.21	0.10	2.18	NL	3.12
20	7.00	126.30	87.07	208.08	220.00	0.95	0.20	0.10	2.06	NL	3.70
21	7.20	130.10	88.91	206.99	220.00	0.94	0.19	0.10	1.97	NL	4.23
22	7.40	133.90	90.75	205.94	220.00	0.94	0.19	0.10	1.88	NL	4.86
23	7.60	137.70	92.59	204.91	220.00	0.94	0.18	0.10	1.81	NL	5.43
24	7.80	141.50	94.43	203.90	220.00	0.94	0.18	0.10	1.75	NL	5.99
25	8.00	145.30	96.27	202.92	220.00	0.94	0.17	0.10	1.69	NL	6.63
26	8.20	149.20	98.21	279.26	220.00	0.94	0.21	0.10	2.10	NL	3.49
27	8.40	153.10	100.14	277.90	220.00	0.94	0.21	0.10	2.06	NL	3.70
28	8.60	157.00	102.08	276.57	220.00	0.93	0.21	0.10	2.02	NL	3.92
29	8.80	160.90	104.02	275.27	220.00	0.93	0.21	0.10	1.99	NL	4.10
30	9.00	164.80	105.96	274.01	220.00	0.93	0.20	0.10	1.95	NL	4.36
31	9.20	168.70	107.90	272.77	220.00	1.15	0.20	0.11	1.92	NL	4.56
32	9.40	172.60	109.84	271.55	220.00	1.15	0.20	0.11	1.89	NL	4.78
33	9.60	176.50	111.78	270.37	220.00	1.15	0.20	0.11	1.86	NL	5.01
34	9.80	180.40	113.71	269.21	220.00	1.15	0.20	0.11	1.83	NL	5.26
35	10.00	184.30	115.65	268.07	220.00	1.15	0.19	0.11	1.80	NL	5.52
36	10.20	188.20	117.59	266.96	220.00	1.15	0.19	0.11	1.77	NL	5.80
37	10.40	192.10	119.53	265.87	220.00	1.15	0.19	0.11	1.74	NL	6.09
38	10.60	196.00	121.47	264.81	220.00	1.15	0.19	0.11	1.71	NL	6.41
39	10.80	199.90	123.41	263.76	220.00	1.15	0.18	0.11	1.69	NL	6.63
40	11.00	203.80	125.35	262.73	220.00	1.14	0.18	0.11	1.66	NL	6.98
41	11.20	207.70	127.29	261.73	220.00	1.14	0.18	0.11	1.64	NL	7.23
42	11.40	211.60	129.22	260.74	220.00	1.14	0.18	0.11	1.61	NL	7.62
43	11.60	215.50	131.16	259.77	220.00	1.14	0.18	0.11	1.59	NL	7.90
44	11.80	219.40	133.10	258.82	220.00	1.14	0.17	0.11	1.57	NL	8.19
45	12.00	223.30	135.04	257.89	220.00	1.14	0.17	0.11	1.54	NL	8.65
46	12.20	227.20	136.98	256.97	220.00	1.14	0.17	0.11	1.52	NL	8.98
47	12.40	231.10	138.92	256.07	220.00	1.14	0.17	0.11	1.50	NL	9.32
48	12.60	235.00	140.86	255.18	220.00	1.14	0.17	0.11	1.48	NL	9.68
49	12.80	238.90	142.79	254.31	220.00	1.14	0.16	0.11	1.45	NL	10.25
50	13.00	242.80	144.73	253.46	220.00	1.14	0.16	0.11	1.43	NL	10.65
51	13.20	246.70	146.67	252.61	220.00	1.14	0.16	0.11	1.41	NL	11.07
52	13.40	250.60	148.61	251.79	220.00	1.14	0.16	0.11	1.39	NL	11.51
53	13.60	254.50	150.55	250.97	220.00	1.14	0.16	0.11	1.37	NL	11.98
54	13.80	258.40	152.49	250.17	220.00	1.14	0.15	0.11	1.35	NL	12.47
55	14.00	262.30	154.43	197.35	220.00	1.14	0.15	0.11	1.33	NL	12.98
56	14.20	266.20	156.37	196.74	220.00	1.14	0.15	0.11	1.32	NL	13.25
57	14.40	270.10	158.30	196.13	220.00	1.14	0.15	0.11	1.30	NL	13.80
58	14.60	274.00	160.24	195.54	220.00	1.14	0.15	0.12	1.28	NL	14.39
59	14.80	277.90	162.18	194.95	220.00	1.13	0.15	0.12	1.26	NL	15.00
60	15.00	281.80	164.12	194.37	220.00	1.13	0.14	0.12	1.25	L	15.31

I terreni non risultano liquefacibili.

9 – CARATTERIZZAZIONE DEI TERRENI - INDAGINI AMBIENTALI -

Nell'ambito del progetto le aree saranno sottoposte ad escavazione per finalità idrauliche ed il materiale di risulta sarà reimpiegato per la formazione dei rilevati arginali. A tale scopo si è reso necessario effettuare un piano di caratterizzazione preventiva delle terre, eseguito mediante analisi ambientali secondo il DPR 120/17 (Set analitico minimale). Nello specifico

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sono stati effettuati in totale n° 3 prelievi lungo il tratto in esame successivamente analizzati dal laboratorio Ecol Studio di Lucca – v.all. 4.

Alla luce delle analisi eseguite, tutti i campioni risultano conformi alle CSC di legge ai sensi dell'Allegato 5 Tab.1 (sezione A) Parte IV D.Lgs. 152/06 e successivi aggiornamenti e modifiche.

Lucca, 03/06/2022

Studio di Geologia
Geol. Simone Stefani

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Regione Toscana

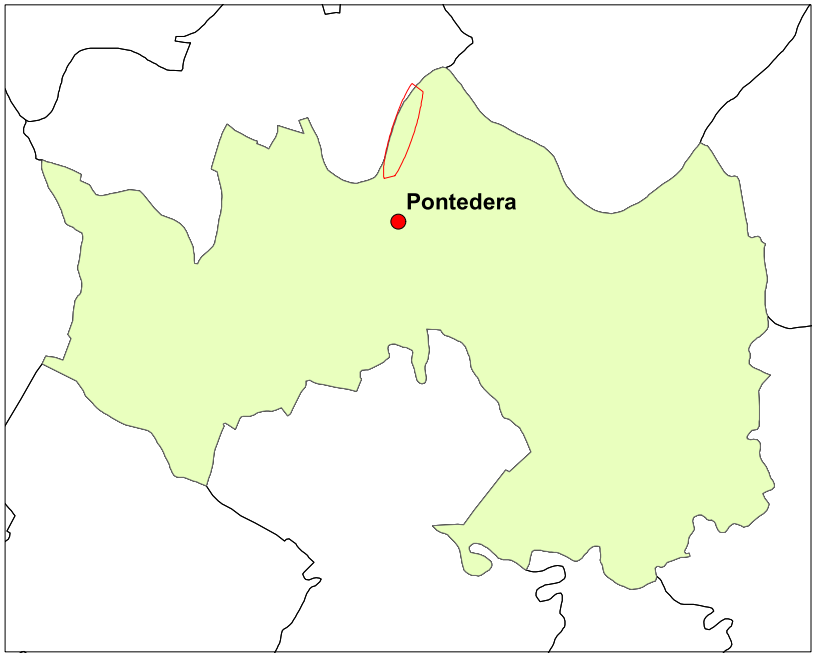
Manutenzione straordinaria delle arginature del fiume Arno in Pontedera

Tav. n. 1

Inquadramento dell'area oggetto di studio

1:6.000

Area di studio



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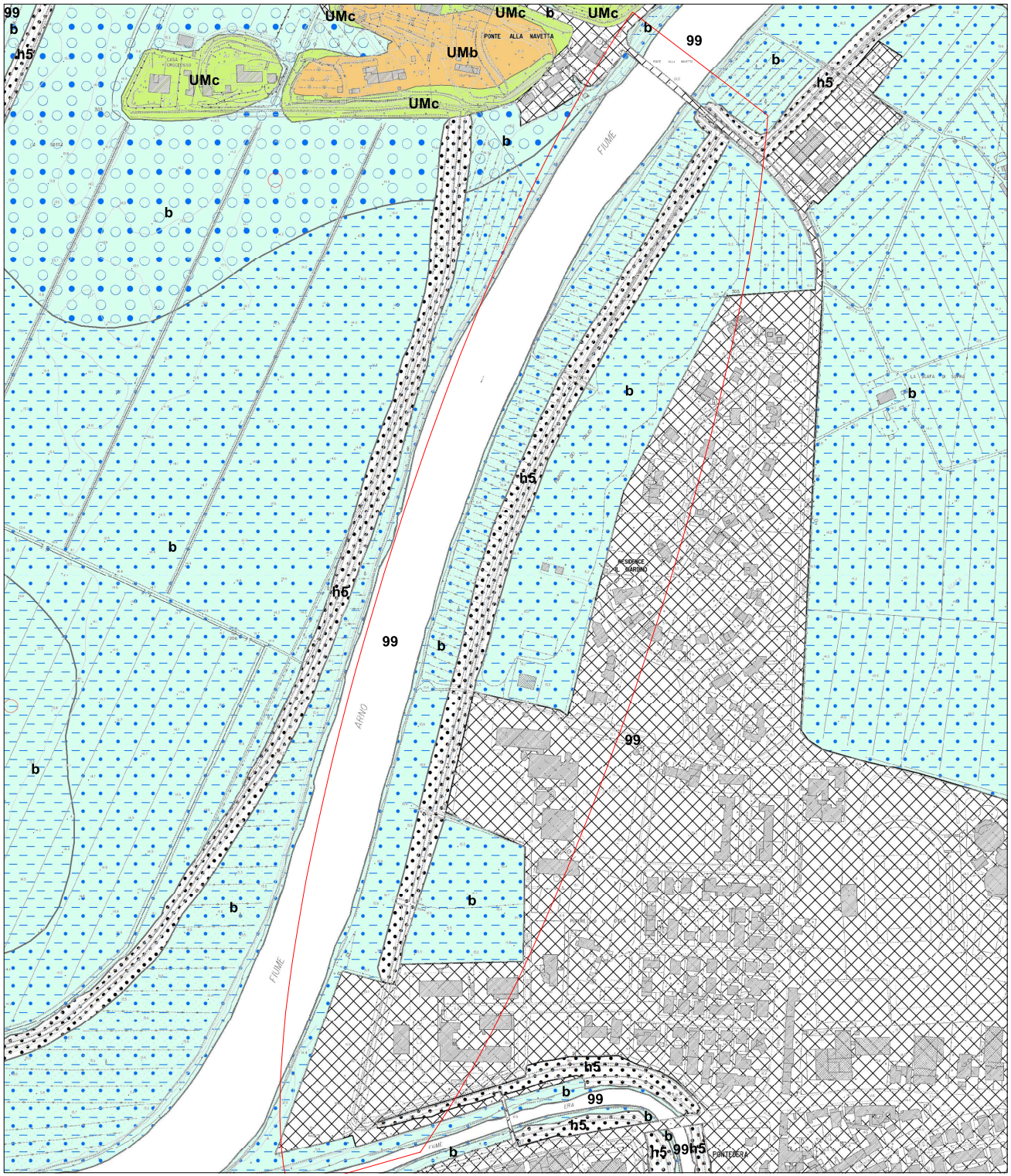

Regione Toscana

Manutenzione straordinaria delle arginature del fiume Arno in Pontedera

Tav. n. 2

Carta geologica

(Fonte: Carta geologica Regionale della Regione Toscana)

1:5.000

Pozzi e sondaggi

○ Trivellata (1,00 - 2, 00 m di profondità)

Limite geologico

——— Contatto stratigrafico e/o litologico, certo

Forme e strutture antropiche

Struttura antropica che impedisce l'osservazione degli elementi geologici e geomordologici

Depositi continentali quaternari olocenici

Depositi alluvionali attuali (**b**)

- Sabbie e limi prevalenti
- Limi e argille prevalenti
- Ghiaie e sabbie prevalenti

Depositi continentali quaternari pleistocenici

Unità di Montecarvoli

Silt e argille dicolore grigio-nocciola massive. All'interno si trovano foraminiferi bentonici, ostracoli marini, gasteropodi e bivalvi marini. Alla base è presente un livello cumulitico di microfossili. Deposito di shoreface (**UMa**)
PLEISTOCENE INFERIORE?

Sabbie di colore giallo a stratificazione incrociata concava e laminare con alternanza di sabbie e silt a stratificazione wavy bedding, silt e argille color grigio-nocciola, massive. Ambiente deposizionale di piana deltizia. Nelle granulometrie più fini sono stati ritrovati foraminiferi bentonici e ostracoli salmastri. Localmente sono stati ritrovati gasteropodi e ostracoli dulcicoli (**UMb**)
PLEISTOCENE INFERIORE?

Ghiaie e in subordine sabbie color grigio, con stratificazione incrociata concava e planare, ciottoli a prevalente composizione calcarea e subordinatamente si osservano ciottoli metamorfici, diaspri e ciottoli di macigno. Ambiente deposizionale fluviale tipo braided (**UMc**)
PLEISTOCENE INFERIORE?

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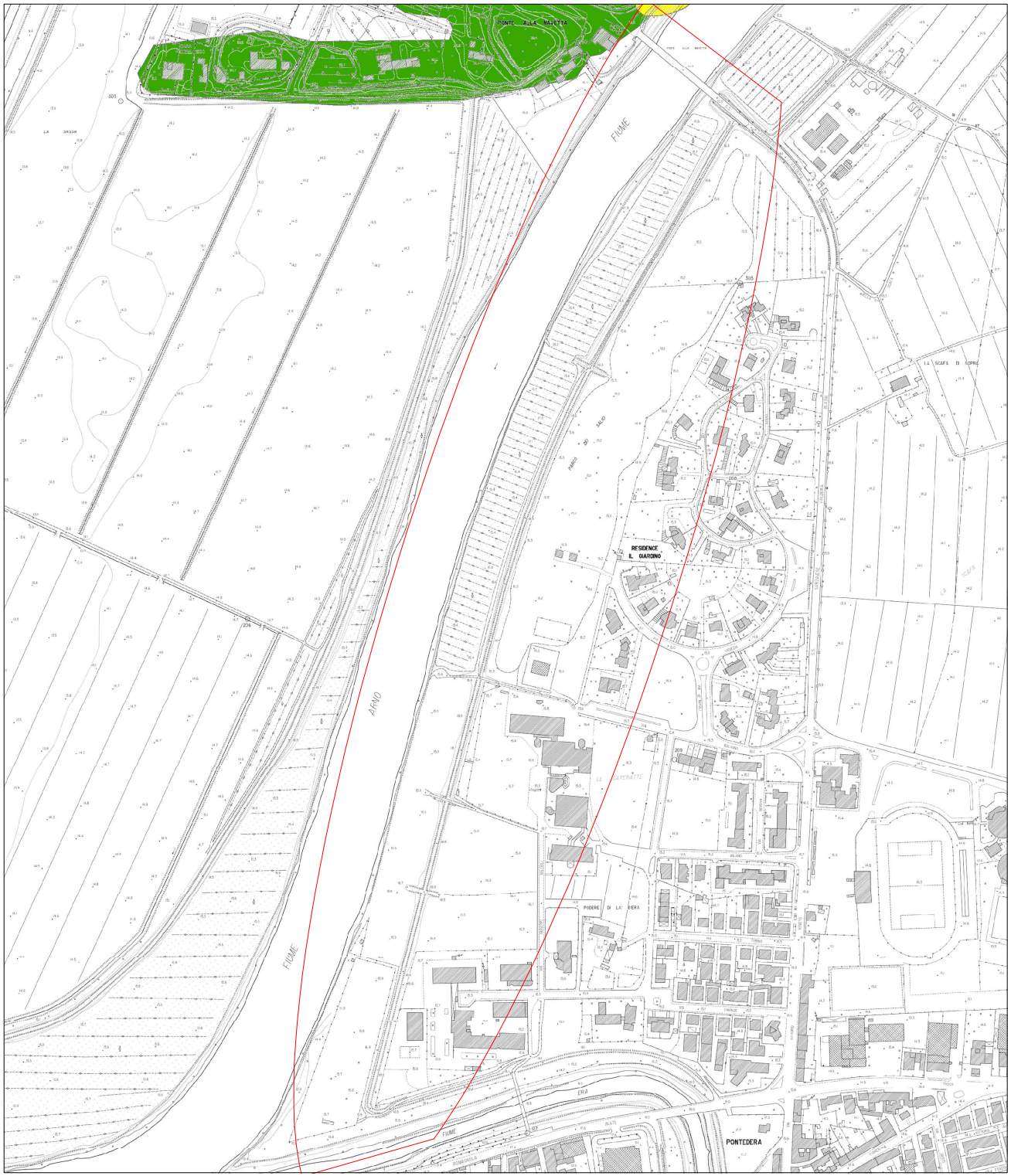

Regione Toscana

Manutenzione straordinaria delle arginature del fiume Arno in Pontedera

Tav. n. 3

Pericolosità da frana

Tratto da: PAI - ex Autorità di bacino del fiume Arno

1:5.000

PAI dell'Arno

- **PF4 - Pericolosità molto elevata**
- **PF3 - Pericolosità elevata**
- **PF2 - Pericolosità media**
- **PF1 - Pericolosità bassa**

Area di studio

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Regione Toscana

Manutenzione straordinaria delle arginature del fiume Arno in Pontedera

Tav. n. 4

Pericolosità geomorfologica

Tratto da: "Regolamento urbanistico del comune di Pontedera"

1:5.000

Pericolosita secondo l'art. 5 del P.T.C e secondo il D.C.R. 94/85

Classe 3 - Pericolosità media

Non sono presenti fenomeni di dissesto, tuttavia le condizioni geologico tecniche sono tali da far ritenere che si trova al limite dell'equilibrio e/o può essere interessato da fenomeni di amplificazione della sollecitazione sismica o di liquefazione o interessato da episodi di alluvionamento o difficoltoso drenaggio delle acque superficiali.

Sottoclasse 3b - In essa ricadono le aree acclivi con caratteristiche geomorfologiche, stratigrafiche e litotecniche sfavorevoli alla stabilità, per cui i fenomeni franosi si manifestano coinvolgendo ampie porzioni di territorio e di sottosuolo, sono altresì comprese le aree della pianura alluvionale interessate in passato da episodi di alluvionamento, quelle con prevalenza di terreni compressibili a bassa resistenza penetrometrica statica e quelle in cui sono presenti significativi riporti di terreno.

Classe 4 - Pericolosità elevata

In questa classe ricadono aree interessate da da fenomeni di dissesto o fenomeni di elevata amplificazione della sollecitazione sismica e liquefazione del terreno.

Sottoclasse 4a - In essa ricadono aree coinvolte in passato da fenomeni franosi che attualmente risultano in condizioni di quiescenza o di inattività (paleofrane, scarpate quiescenti, accumuli detritici, ecc.), ma le cui caratteristiche geomorfologiche sono tali da non potere escludere una ripresa generalizzata dell'attività in concomitanza con eventi sismici, ovvero con eventi meteorici di particolare importanza, ovvero ancora per effetto di interventi antropici, ed altresì aree della pianura alluvionale con terreni molto compressibili a resistenza penetrometrica statica bassa o nulla, per cui sono possibili fenomeni di subsidenza od instabilità indotti da azioni antropiche o per effetto di eventi sismici. Sono altresì comprese le aree golenali.

Sottoclasse 4b - Riguarda le aree interessate da fenomeni di erosione e sedimentazione (alvei fluviali, laghi, ecc.) e da dissesti attivi (frane, scarpate ecc.).

Classi di epricolosità ai sensi del DPGR 25 ottobre 20111, n. 53/R

G.2 - Pericolosità geologica media

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Regione Toscana

Manutenzione straordinaria delle arginature del fiume Arno in Pontedera

Tav. n. 5

Pericolosità idraulica dedotta applicando i criteri dell'Art.7 del PTC ai risultati delle verifiche idrologico-idrauliche

Tratto da: "Regolamento urbanistico del comune di Pontedera"

1:5.000

CLASSI DI PERICOLOSITA' AI SENSI DEL ART.7 DEL P.T.C.

Classe 3 - Pericolosità media

Sottoclasse 3b - Riguarda le aree soggette a esondazione o sommersione in occasione di eventi eccezionali, cioè di eventi con tempi di ricorrenza compresi tra i venti e i duecento anni; si individuano su base geomorfologica o storica o con riferimento a modelli idrologico-idraulici.

3b - Altezza della lama d'acqua minore di 30 cm

3b - Altezza della lama d'acqua compresa tra 30 e 50 cm

Classe 4 - Pericolosità elevata

Sottoclasse 3a - Riguarda le aree soggette a esondazione o sommersione in occasione di eventi straordinari relativamente frequensti, cioè di eventi con tempi di ricorrenza compresi tra i due e i venti anni; si individuano su base geomorfologica o storica o con riferimento a modelli idrologico-idraulici.

4a - Altezza della lama d'acqua minore di 30 cm

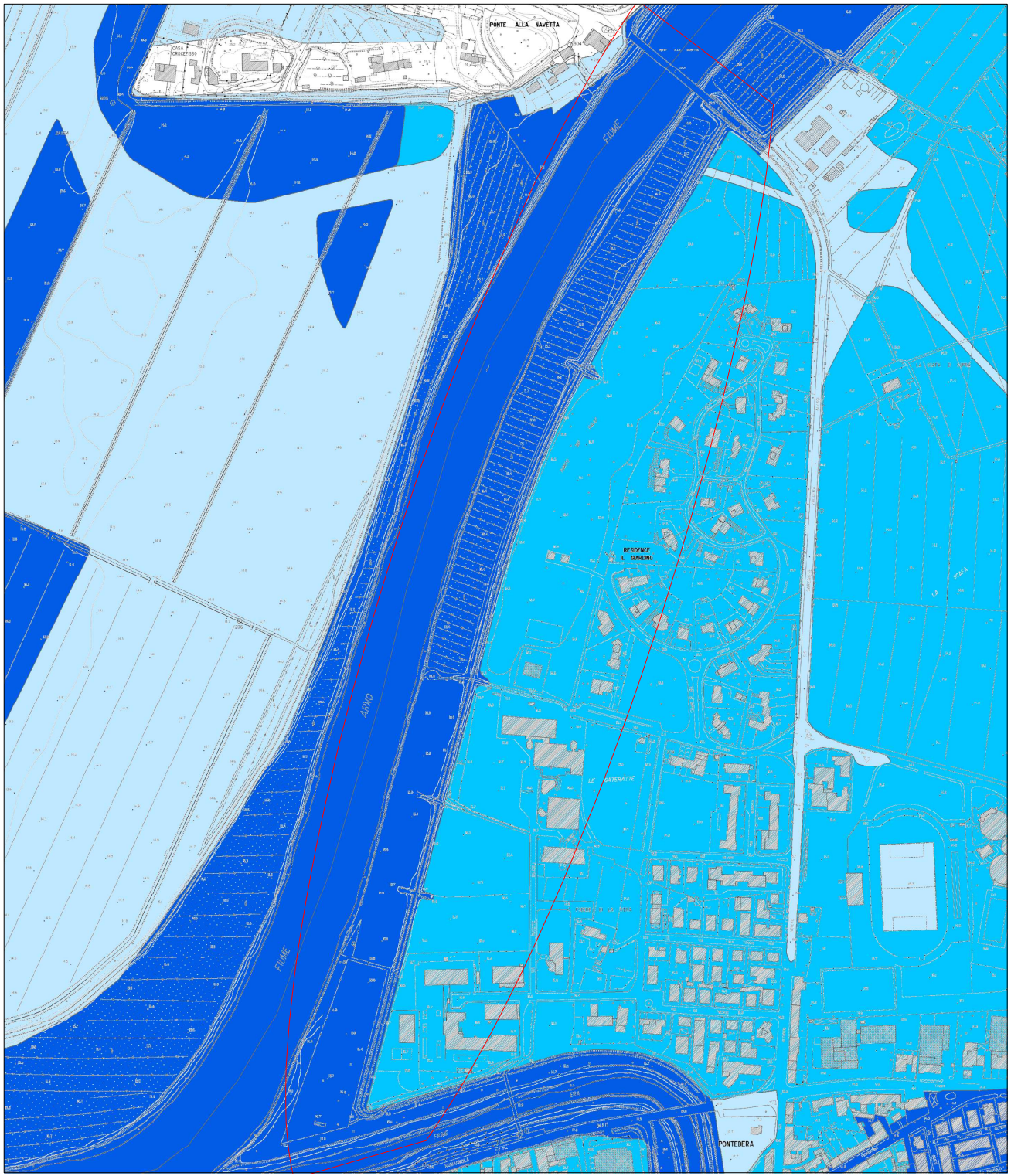
4a - Altezza della lama d'acqua maggiore di 30 cm

Sottoclasse 4b - Riguarda i corpi idrici come delimitati dalle proprie scarpate o da eventuali manufatti, di difesa idraulica o di attraversamento del corso d'acqua, che condizionano gli ambiti di deflusso individuati dall'evento ordinario di ricorrenza biennale.

4b

Area di studio

Geol. Simone Stefani
Via Dorati S. Anna - 55100 Lucca
sferalucca@alice.it - Cel. 338 5451349



Regione Toscana

Manutenzione straordinaria delle arginature del fiume Arno in Pontedera

Tav. n. 6

Pericolosità idraulica

Tratto da: "Piano di gestione del rischio da alluvioni del Distretto dell'appennino settentrionale"

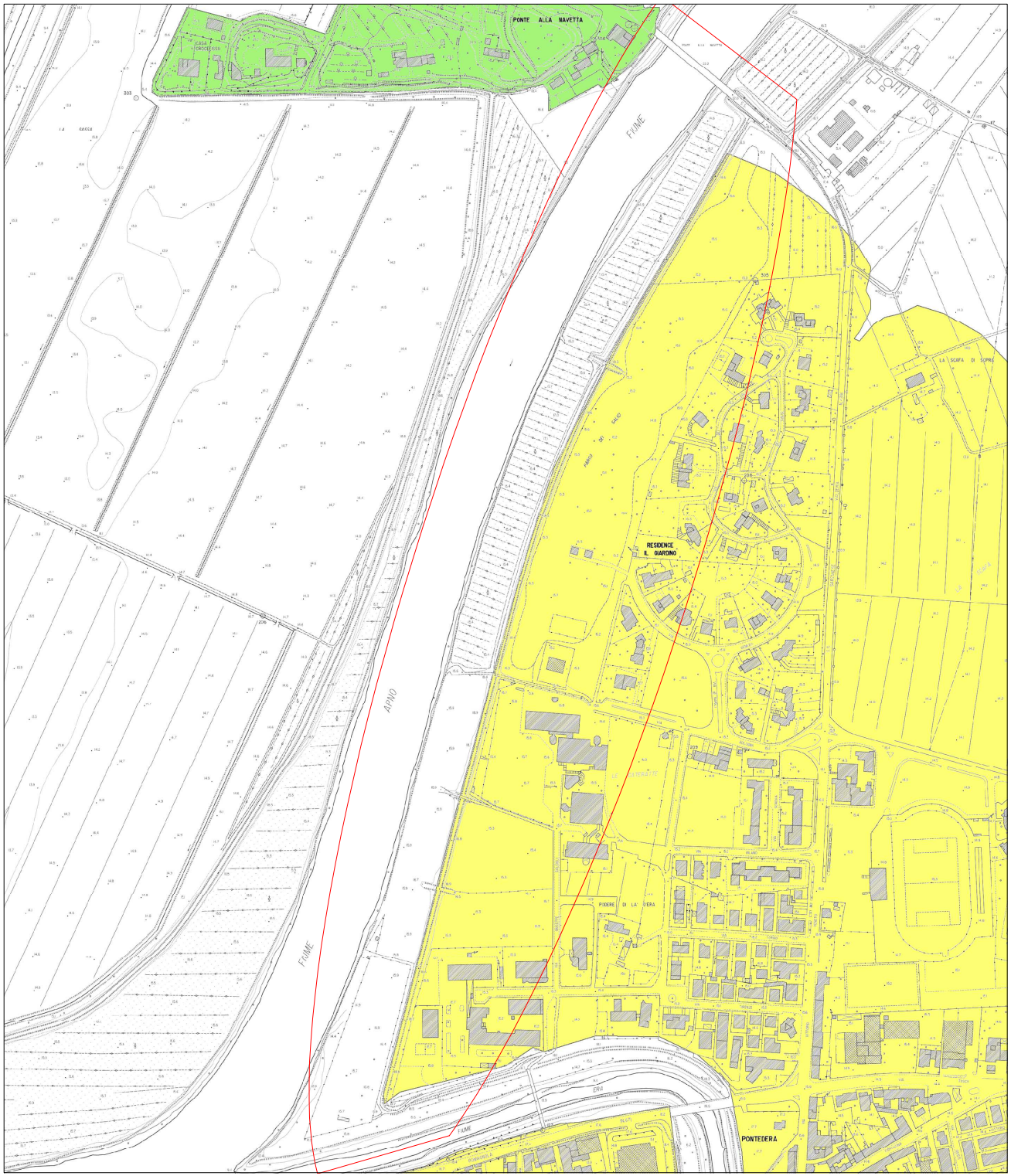
1:5.000

Pericolosità idraulica

- P1
- P2
- P3

Area di studio

Geol. Simone Stefani
Via Dorati S. Anna - 55100 Lucca
sferalucca@alice.it - Cel. 338 5451349



Regione Toscana

Manutenzione straordinaria delle arginature del fiume Arno in Pontedera

Tav. n. 7

Pericolosità sismica

Tratto da: "Piano strutturale intercomunale, Unione dei comuni della Valdera"

1:5.000

CLASSI DI PERICOLOSITA' SISMICA LOCALE

(ai sensi del DPGR 25 ottobre 2011, n. 53/R)

Pericolosità sismica locale media (S.2) - zone suscettibili di instabilità di versante inattiva e che pertanto potrebbero subire una riattivazione dovuta ad effetti dinamici quali possono verificarsi in occasione di eventi sismici; zone stabili suscettibili di amplificazioni locali (che non rientrano tra quelli previsti per la classe di pericolosità sismica S.3).

Pericolosità sismica locale elevata (S.3) - zone suscettibili di instabilità di versante inattivazone suscettibili di instabilità di versante quiesciente che pertanto potrebbero subire una riattivazione dovuta ad effetti dinamici quali possono verificarsi in occasione di eventi sismici; zone con terreni di fondazione particolarmente scadenti che possono dar luogo a cedimenti diffusi; terreni suscettibili di liquefazione dinamica (per tutti i comuni tranne quelli classificati in zona sismica 2); zone di contatto tra litotipi con caratteristiche-fisicomeccaniche significativamente diverse; aree interessate da deformazioni legate alla presenza di faglie attive e faglie capaci (faglie che potenzialmente possono creare deformazione in superficie); zone stabili suscettibili di amplificazioni locali caratterizzati da un alto contrasto di impedenza sismica atteso tra copertura e substrato rigido entro alcune decine di metri.

Area di studio

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sferalucca@alice.it - Cel. 338 5451349

	Regione Toscana	Tav. n. **8**
	Manutenzione straordinaria delle arginature del fiume Arno in Pontedera	
	Documentazione fotografica	1:4.500

Foto 10. MASW

Foto 9. Prova CPT

Foto 8. Prelievo di campioni

Foto 7

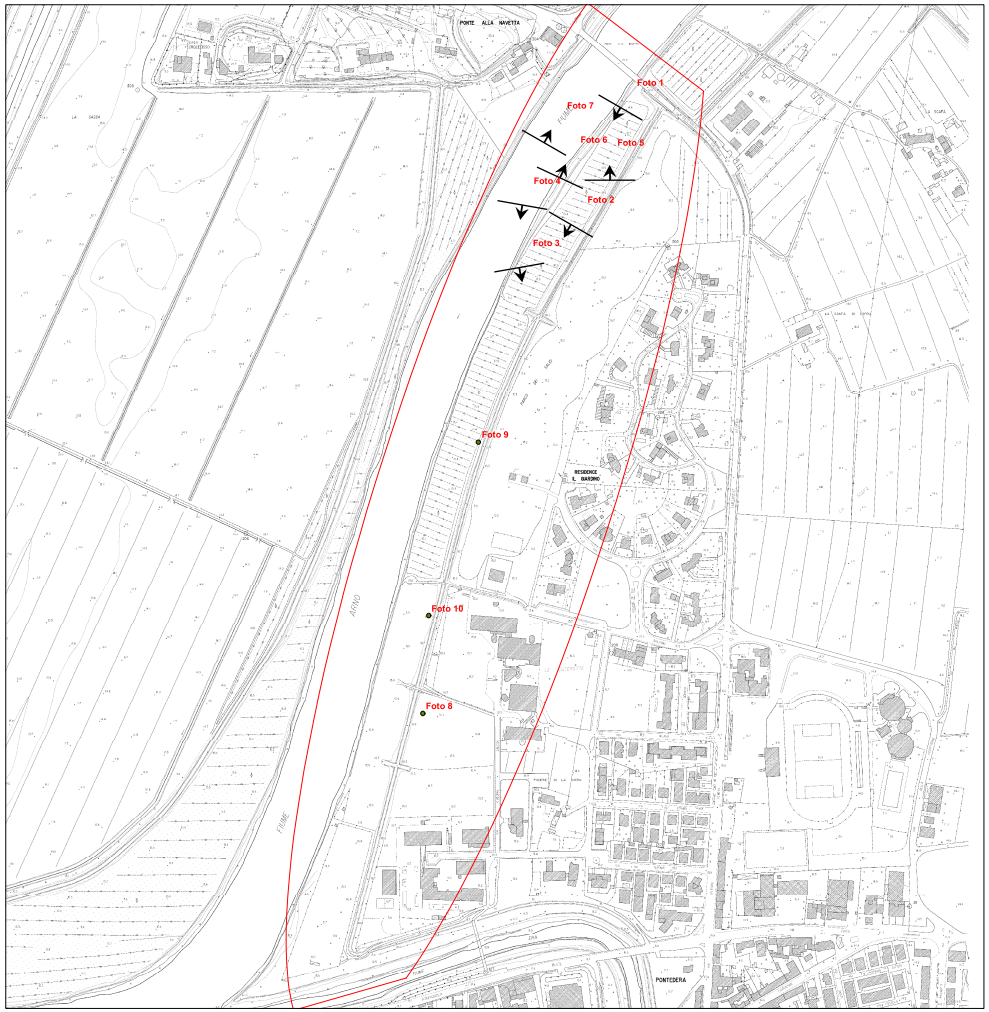


Foto 6

Foto 5

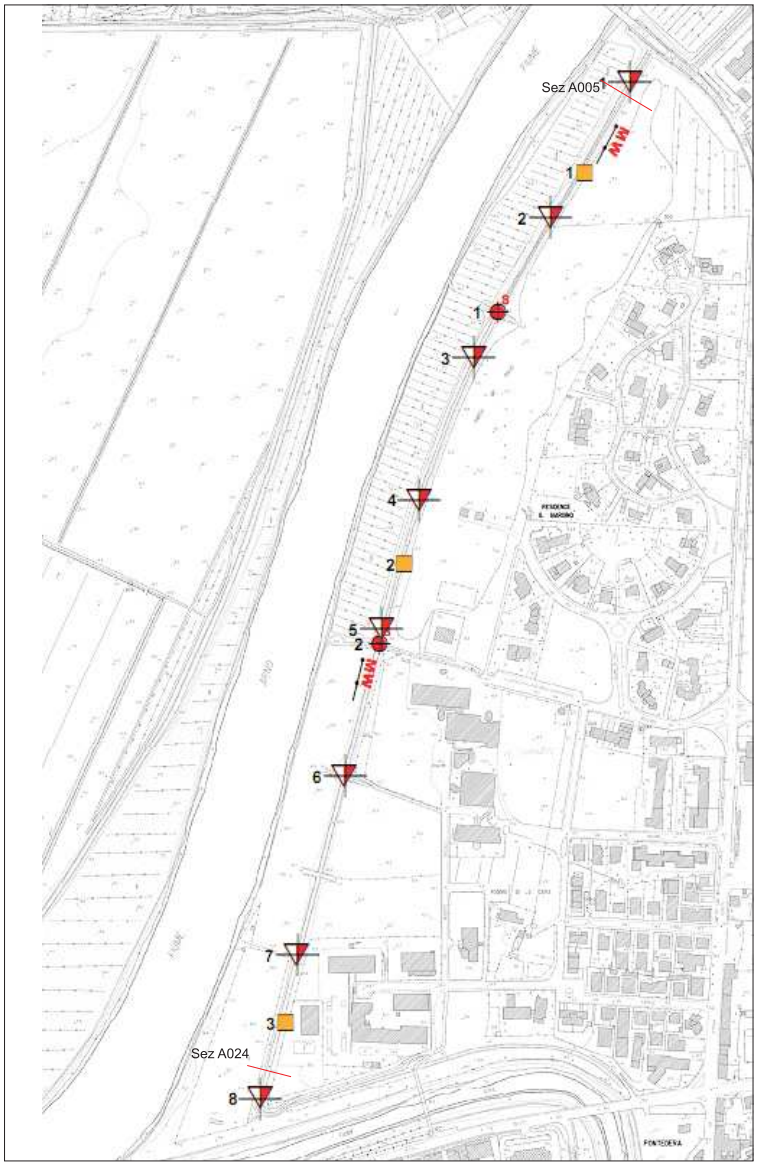
Foto 1

Foto 2

Foto 3

Foto 4

FIG. 9 - PLANIMETRIA E SEZIONE SCHEMATICA GEOLOGICHE

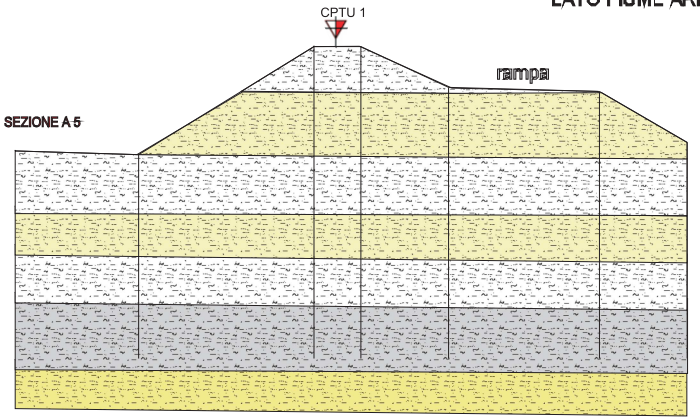


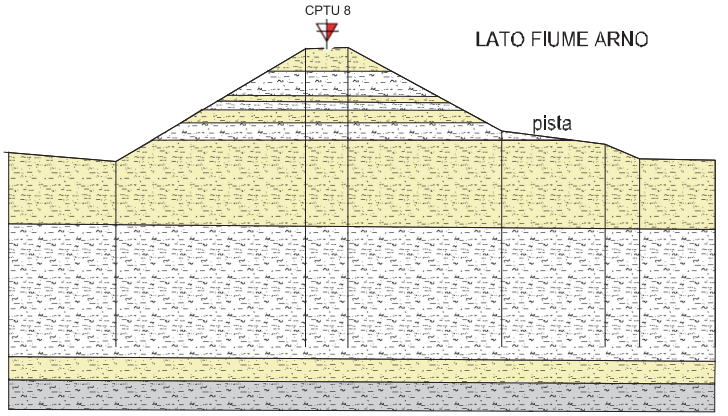
CPTU

Sez A024 Traccia di sezione

MW MASW

LATO FIUME ARNO





SEZIONE A 24

Argilla e limo argilloso

Limi sabbiosi e sabbie limose

Argille e argilla limosa poco consistente

Sabbie e sabbie limose

REGIONE TOSCANA
GENIO CIVILE
VALDARNO INFERIORE E COSTA

L.R. 28 Dicembre 2015 n. 80

MANUTENZIONE STRAORDINARIA DELLE ARGINATURE DEL FIUME ARNO A PONTEDERA (PI)

PROGETTO DEFINITIVO

ELABORATO :

ALL.1

LOGS STRATIGRAFICI E ANALISI DI LABORATORIO

Revisione n.	data	note di revisione	

Il Responsabile Unico del Procedimento
Ing. Francesco Pistone

Progettisti:

Dott. Geol. Simone Stefani
Via Dorati 117 - S.Anna
mail: sferalucca@alice.it

nome file:

Pisa, Giugno 2022

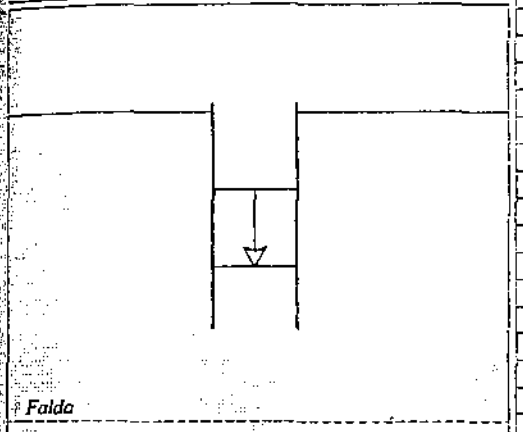
Scala 1:100	Profondita'	Potenza	Stratigrafia	Descrizione	Campioni	S.P.T.	Pocket	Piezometro	Falda	Cassetta
	0.00	2.00		Limo sabbioso colore marrone chiaro-verdastro, da compatto a molto compatto.						
	2.00	1.00		Limo argilloso colore marrone chiaro, poco compatto.						1
	3.00	1.00		Limo con sabbia finissima, colore marrone chiaro, da poco compatto a mediamente compatto.	3.00 S1C1 3.50					
	4.00	2.00		Sabbia finissima debolmente limosa, color marrone chiaro, poco addensata. Da 5.50 a 5.90 m livello sciolto.		4.5 4.95				2
	6.00	0.20		Sabbia limosa fine color ruggine, poco addensata.					6.60	
	6.20	0.60		Livello di sabbia argillosa color grigio, poco addensata e molto plastica.						
	6.80	0.60		Sabbia grossolana color ocra, debolmente addensata. Verso il basso passaggio a sabbia fine.						
	7.40	0.60		Sabbia fine color grigio, quarzosa, a tratti addensata.						
	8.00	5.60		Sabbia grossolana color grigio-verdastro, da media a grossolana, con presenza di clasti arrotondati, a 9.30 m presenza di granuli di quarzo e rari resti bioclasti.				9.00		3
	13.60	7.90		Sabbia grigio scura, da fine a grossolana, quarzosa, da sciolta a mediamente addensata (addensata tra 17.00 e 17.60 m, e tra 18.00 e 18.70 m).						4 5

S.P.T. N.1 (-4.50 m) valori: 6 - 5 - 5

Scala 1:100	Profondità	Potenza	Stratigrafia	Descrizione	Campioni	S.P.T. 10 20 30 40	Pocket 1 2 3 4	Piezometro	Falda	Casella
		7.90		Sabbia grigio scura, da fine a grossolana, quarzosa, da sciolta a mediamente addensata (addensata tra 17.00 e 17.60 m, e tra 18.00 e 18.70 m).						
	21.50	3.50		Limo argilloso con sabbia fine, grigio scuro, poco compatto.	22.20 S1C2 22.70					6
	25.00									7

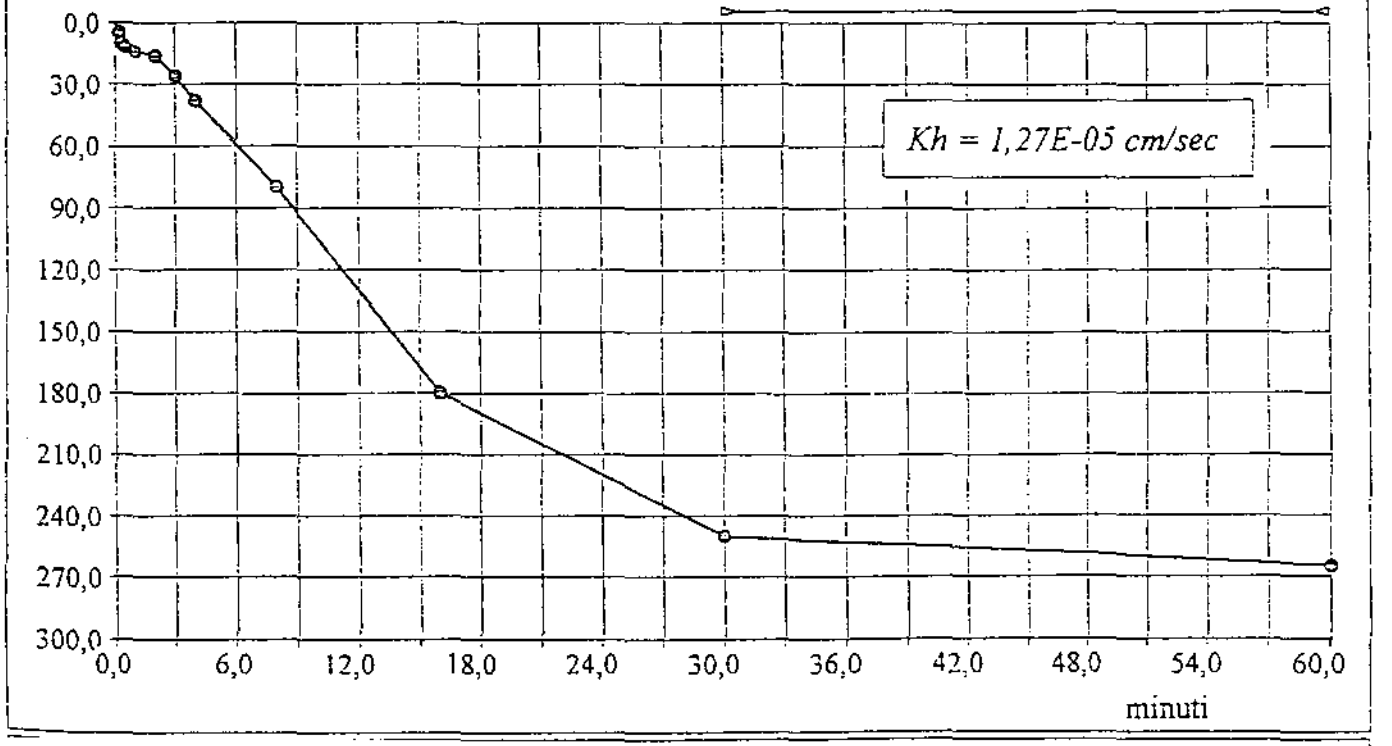
S.P.T. N.1 (-4.50 m) valori: 6 - 5 - 5

Prova in abbassamento	
Livello di base dell'acqua dal p.c. (m	10,10
Livello dell'acqua dal p.c. (m)	2,25
Diametro del tratto di prova (m)	0,101
Profondità del rivestimento (m)	3,00
Profondità del foro (m)	4,00
Spessore del tratto di prova (m)	1,00
Coefficiente di forma	1,00



T min	*H cm*	*dH cm*	*k cm/sec*	*T min*	*H cm*	*dH cm*	*k cm/sec*
0,0	785,0	0,0					
0,2	780,0	5,0	4,27E-04				
0,3	775,0	10,0	8,59E-04				
0,5	773,0	12,0	1,73E-04				
1,0	771,0	14,0	6,92E-05				
2,0	769,0	16,0	3,47E-05				
3,0	759,0	26,0	1,75E-04				
4,0	747,0	38,0	2,13E-04				
8,0	705,0	80,0	1,93E-04				
16,0	605,0	180,0	2,55E-04				
30,0	535,0	250,0	1,17E-04				
60,0	520,0	265,0	1,27E-05				

DIAGRAMMA ABBASSAMENTO - TEMPO



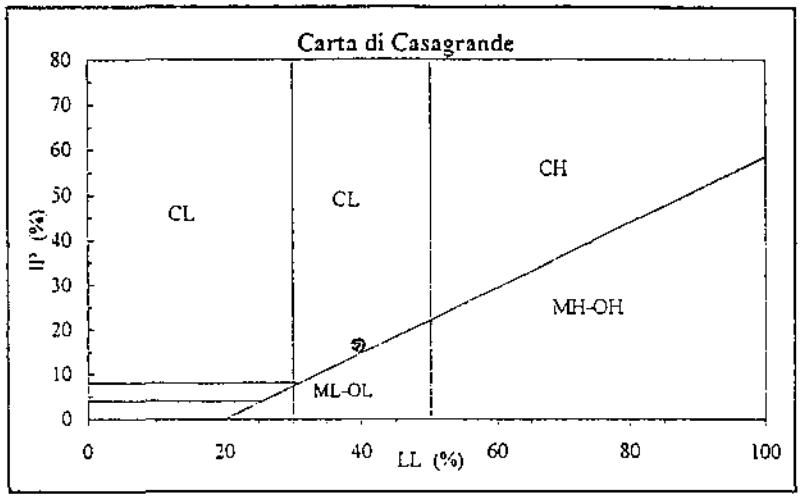
Campione: S1C1	Profondità: 3,0 - 3,5 m

Descrizione: limo con argilla ocra

LIMITI DI ATTERBERG

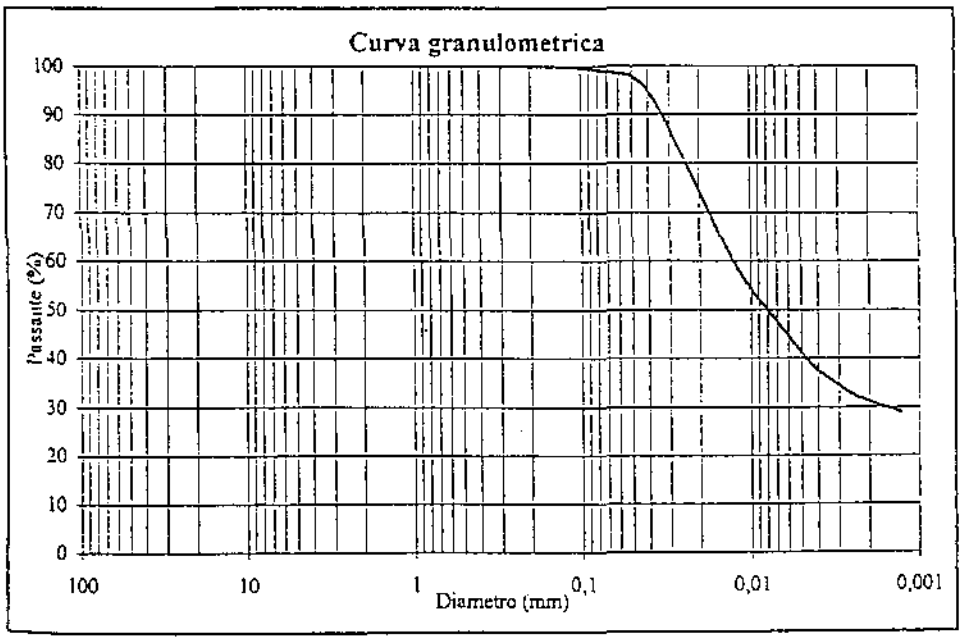
Umidità naturale (Wn) =	23,37%
Limite di liquidità (LL) =	39,5%
Limite di plasticità (LP) =	23,1%
Indice di plasticità (IP) =	16,3%
Indice di consistenza (Ic) =	0,98
Indice di attività (Iatt) =	0,53

CL = argille inorganiche di media plasticità



ANALISI GRANULOMETRICA

Diametro (mm)	Passante (%)	Diametro (mm)	Passante (%)
2,00	100	0,0418	95,621
0,850	99,99	0,0220	77,292
0,425	99,95	0,0120	58,183
0,250	99,93	0,0062	45,129
0,150	99,87	0,0044	38,890
0,075	98,96	0,0031	34,738
		0,0022	31,870
		0,0013	28,889



Ghiaia	0,00%
Sabbia	2,55%
Limo	66,35%
Argilla	31,10%

Limo con argilla

Prova di permeabilità a carico variabile su cella edometrica

K (cm/sec)= 8,5*10-8 σ' = 0,5

Campione: S1C1	Profondità: 3,0 - 3,5 m

PROVA DI TAGLIO DIRETTO NON CONSOLIDATA NON DRENATA

	Provino 1	Provino 2	Provino 3
Peso di volume naturale iniziale (gr/cmc)	1,95	1,96	1,95
Peso di volume secco iniziale (gr/cmc)	1,58	1,58	1,57
Contenuto d'acqua iniziale (%)	23,48	23,86	24,06
Velocità di deformazione (mm/min.)	1,5	1,5	1,5
Sigma (kg/cmq)	0,5	1,0	1,5
Tau a rottura (kg/cmq)	0,614	0,754	1,045

Provino 1		Provino 2		Provino 3	
Scorrimento (mm)	Tau (Kg/cmq)	Scorrimento (mm)	Tau (Kg/cmq)	Scorrimento (mm)	Tau (Kg/cmq)
0,18	0,137	0,10	0,011	0,20	0,102
0,43	0,266	0,50	0,311	0,56	0,418
0,92	0,417	0,98	0,491	1,03	0,664
1,33	0,494	1,36	0,585	1,45	0,794
1,77	0,544	1,81	0,649	1,88	0,883
2,19	0,568	2,23	0,683	2,34	0,934
2,66	0,581	2,68	0,701	2,77	0,961
2,91	0,584	2,94	0,707	3,03	0,971
3,11	0,589	3,15	0,714	3,26	0,981
3,35	0,591	3,39	0,718	3,50	0,988
3,59	0,594	3,62	0,720	3,71	0,989
3,85	0,597	3,87	0,724	3,96	0,996
4,05	0,598	4,11	0,727	4,23	1,001
4,29	0,601	4,33	0,733	4,46	1,011
4,51	0,604	4,55	0,738	4,70	1,019
4,79	0,607	4,82	0,741	4,92	1,023
5,02	0,609	5,07	0,745	5,20	1,031
5,25	0,609	5,29	0,748	5,44	1,036
5,45	0,611	5,47	0,750	5,67	1,040
5,71	0,614	5,72	0,752	5,88	1,041
5,93	0,614	5,96	0,754	6,10	1,045

Cu = 0,37 kg/cmq $\varphi = 23,3°$

Campione: S1C1	Profondità: 3,0 - 3,5 m

Grafico deformazione - tau

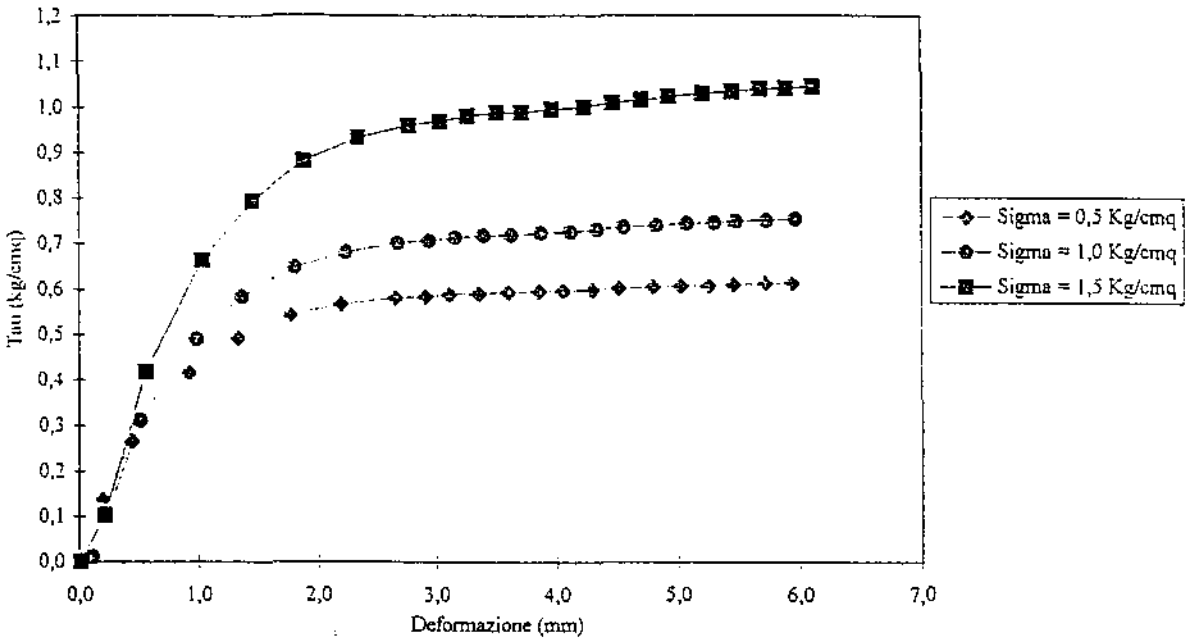
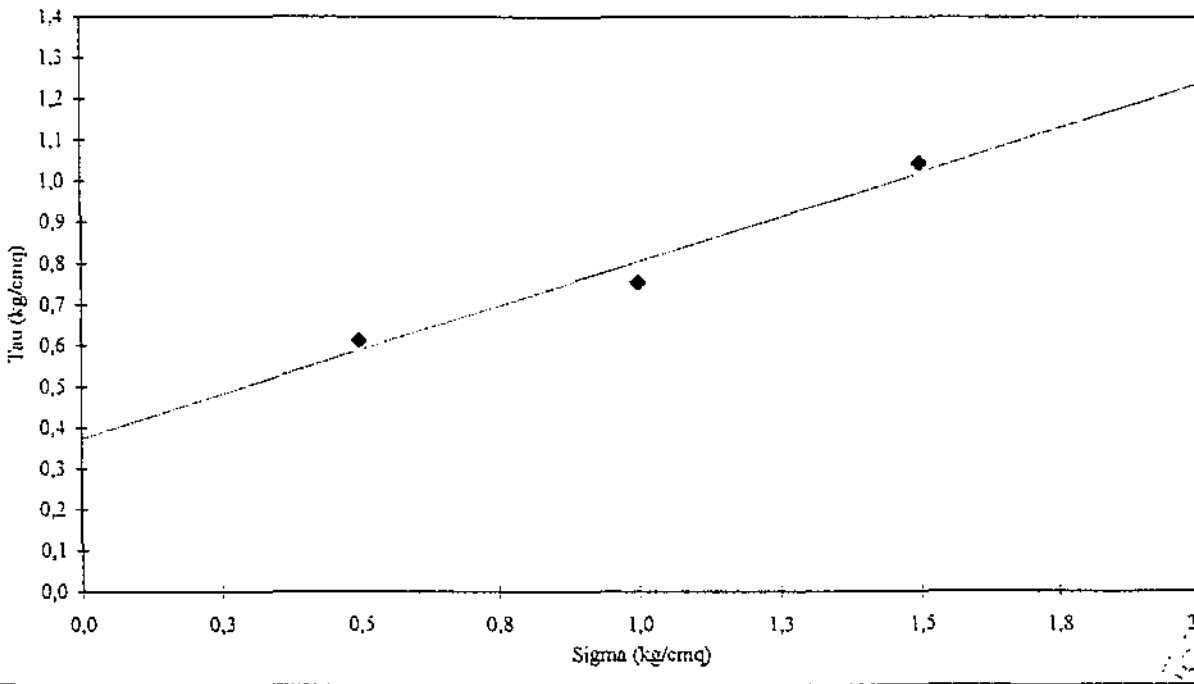


Grafico sigma - tau

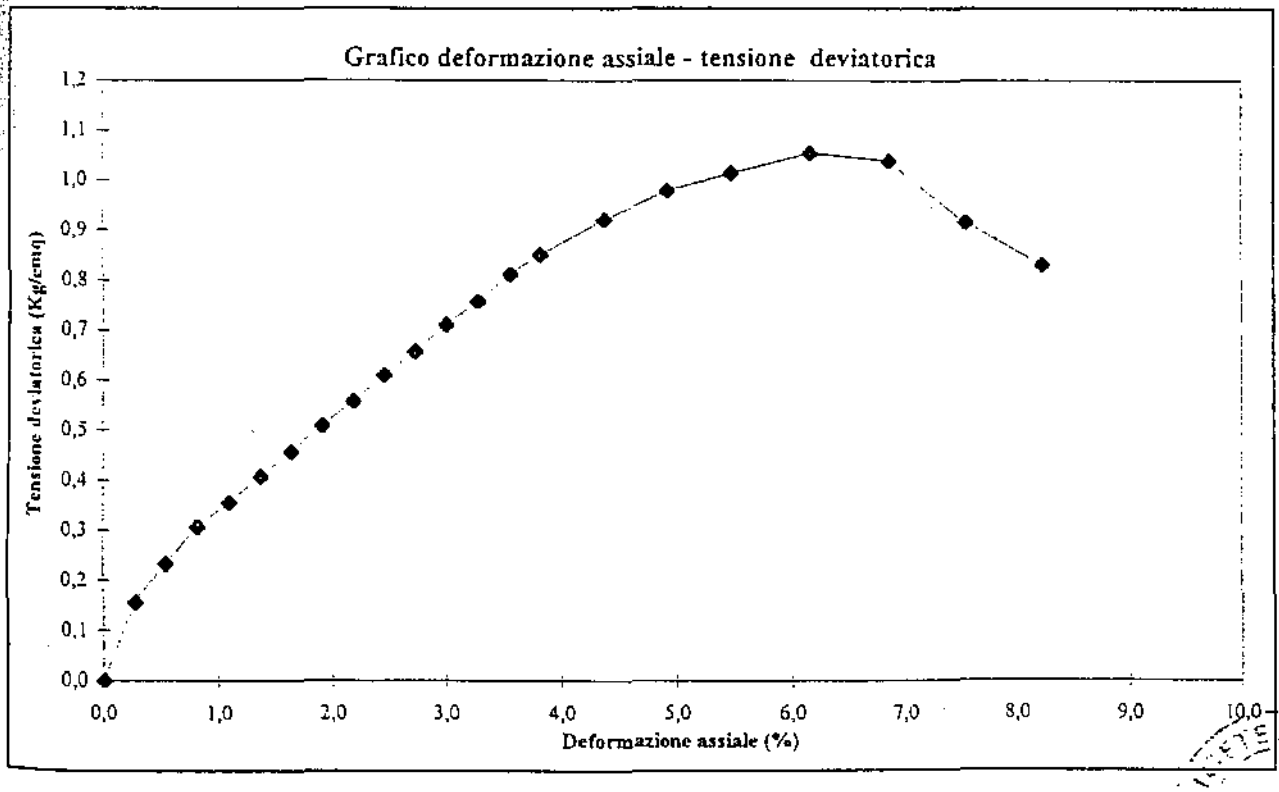


Campione: S1C1 Profondità: 3,0 - 3,5 m

PROVA DI ESPANSIONE LATERALE LIBERA

Peso volume naturale (gr/cmq)	1,94
Peso volume secco (gr/cmq)	1,58
Contenuto d'acqua (%)	22,28
Vel. def. (mm/min)	1,27
Sigma a rottura (Kg/cmq)	1,054
Coesione non drenata (Kg/cmq)	0,53
Modulo elastico	
tangente iniziale (kg/cmq)	34,8

ε (%)	σ (kg/cmq)
0,27	0,156
0,55	0,234
0,82	0,306
1,10	0,356
1,37	0,408
1,65	0,457
1,92	0,509
2,19	0,558
2,47	0,609
2,74	0,657
3,02	0,712
3,29	0,759
3,57	0,813
3,84	0,852
4,39	0,921
4,94	0,979
5,49	1,014
6,17	1,054
6,86	1,039
7,54	0,916
8,23	0,831



Campione: S1C1	Profondità: 3,0 - 3,5 m

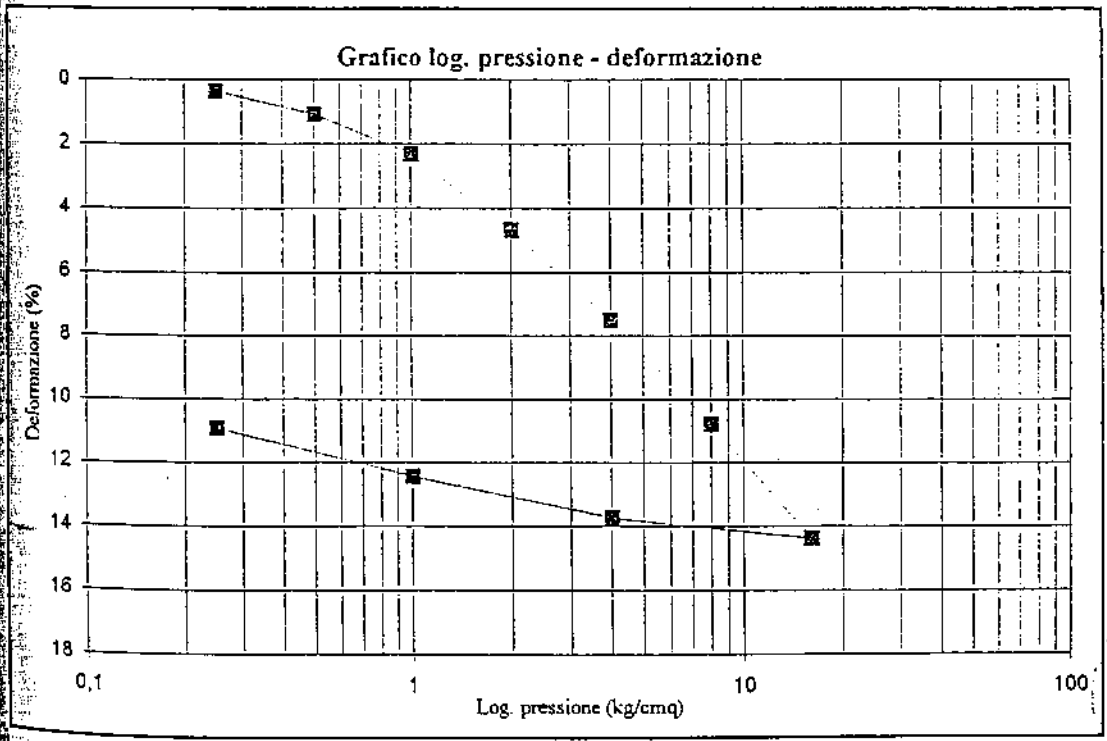
PROVA EDOMETRICA

	Iniziale	Finale
Altezza (mm)	20,309	18,092
Volume (cmc)	40,805	36,350
Peso di volume naturale (gr/cmc)	1,86	2,05
Peso di volume secco (gr/cmc)	1,50	1,69
Contenuto d'acqua (%)	23,60	21,61

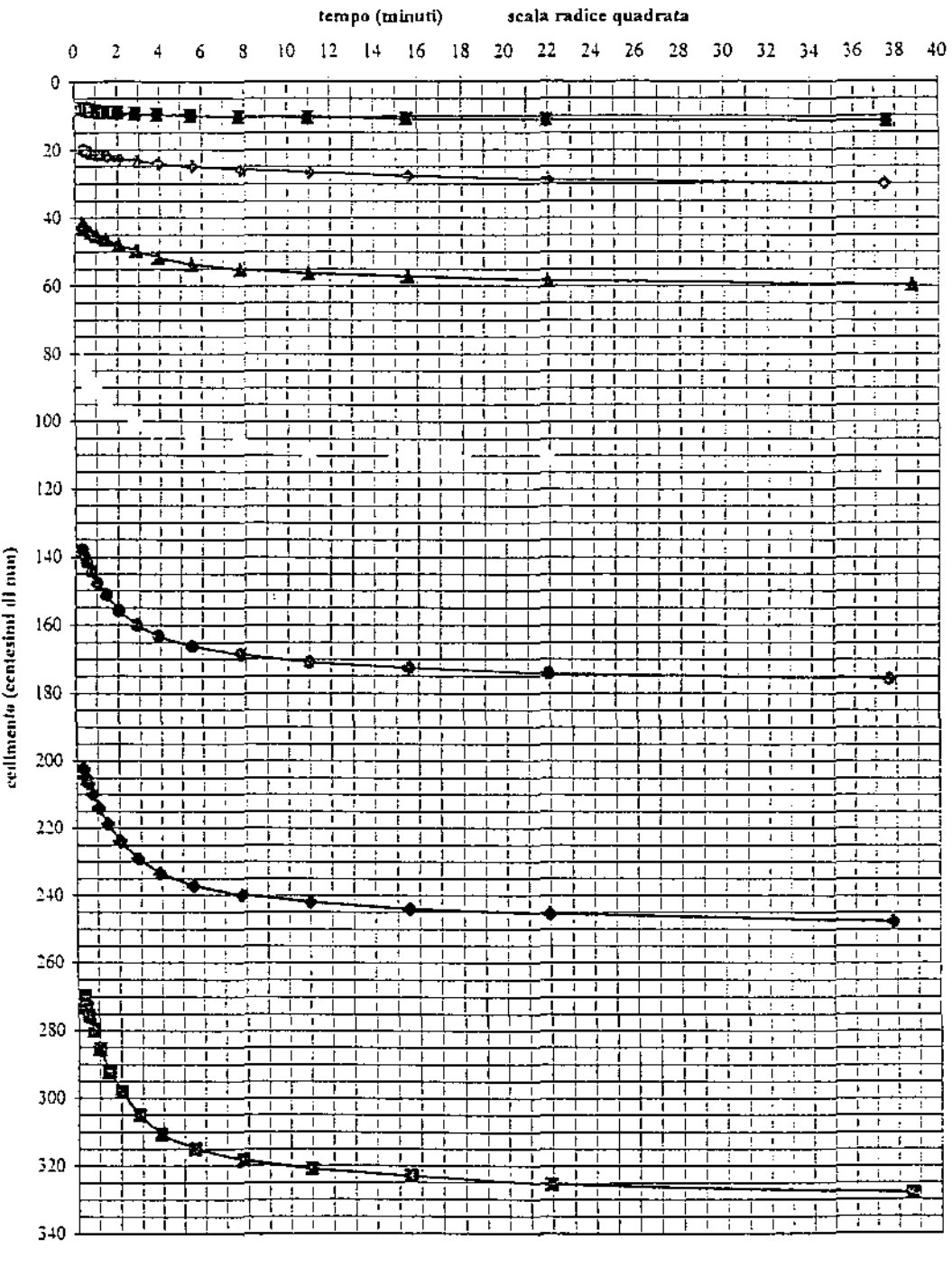
Pressione (kg/cmq)	Deformazione (%)	Mv (cmq/kg)	Cv (cmq/sec)		K (cm/sec)	
0,25	0,352	--	1,7392	x 10^{-2}	--	
0,5	1,083	0,02925	1,8392	x 10^{-2}	5,3792	x 10^{-7}
1	2,322	0,02477	2,2156	x 10^{-2}	5,4875	x 10^{-7}
2	4,678	0,02356	1,3712	x 10^{-2}	3,2307	x 10^{-7}
4	7,516	0,01419	5,069	x 10^{-3}	7,195	x 10^{-8}
8	10,786	0,00817	3,030	x 10^{-3}	2,477	x 10^{-8}
16	14,378	0,00449	2,959	x 10^{-3}	1,329	x 10^{-8}
4	13,721	--	--		--	
1	12,428	--	--		--	
0,25	10,916	--	--		--	

In riferimento alla curva log. pressione / deformazione:

RR (rapporto di ricompressione) :	0,03271
CR (rapporto di compressione) :	0,11397
SR (rapporto di rigonfiamento) :	0,01940



Campione: S1C1 Profondità: 3,0 - 3,5 m



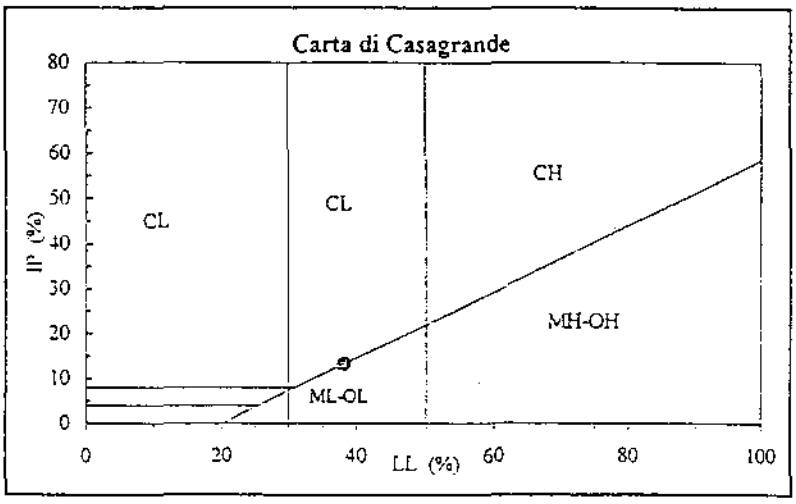
Campione: S1C2	Profondità: 22,2 - 22,7 m

Descrizione: limo argilloso con strati limo sabbiosi (in particolare tra 10 - 15 cm) color grigio verde - turchino

LIMITI DI ATTERBERG

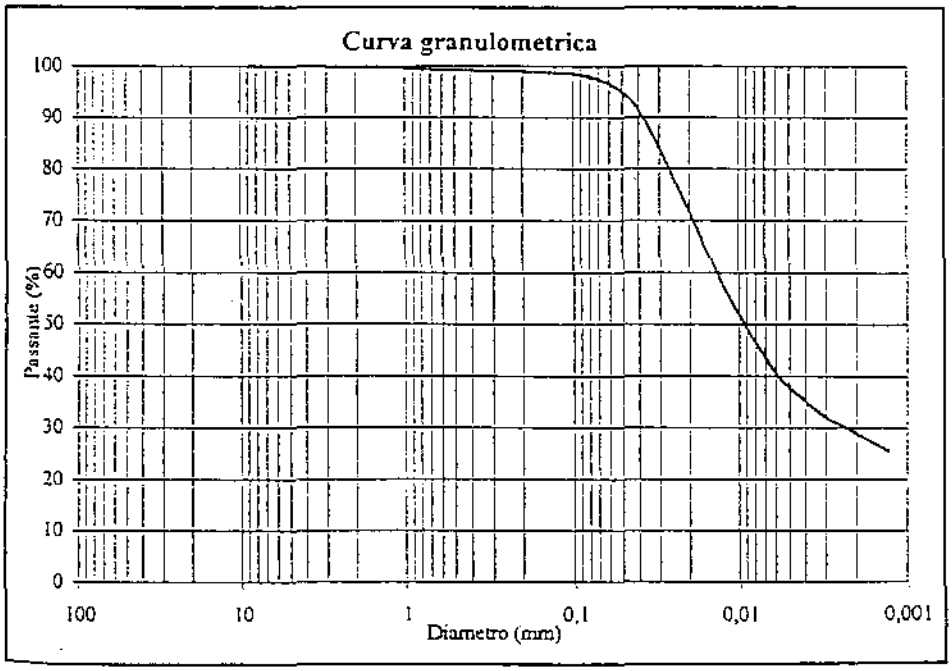
Umidità naturale (Wn) =	27,48%
Limite di liquidità (LL) =	38,0%
Limite di plasticità (LP) =	24,7%
Indice di plasticità (IP) =	13,3%
Indice di consistenza (Ic) =	0,79
Indice di attività (Iatt) =	0,46

CL = argille inorganiche di media plasticità



ANALISI GRANULOMETRICA

Diametro (mm)	Passante (%)	Diametro (mm)	Passante (%)
9,00	100	0,0421	92,31
4,75	99,94	0,0222	74,67
2,00	99,75	0,0120	56,08
0,850	99,49	0,0062	40,96
0,425	99,15	0,0044	36,34
0,250	99,07	0,0031	32,31
0,150	98,86	0,0022	29,80
0,075	97,71	0,0013	25,57



Ghiaia	0,25%
Sabbia	4,50%
Limo	66,55%
Argilla	28,70%

Limo con argilla

Prova di permeabilità a carico variabile su cella edometrica

K (cm/sec)= 4,3*10-8 $\sigma' = 1$

Campione: S1C2 **Profondità:** 22,2 - 22,7 m

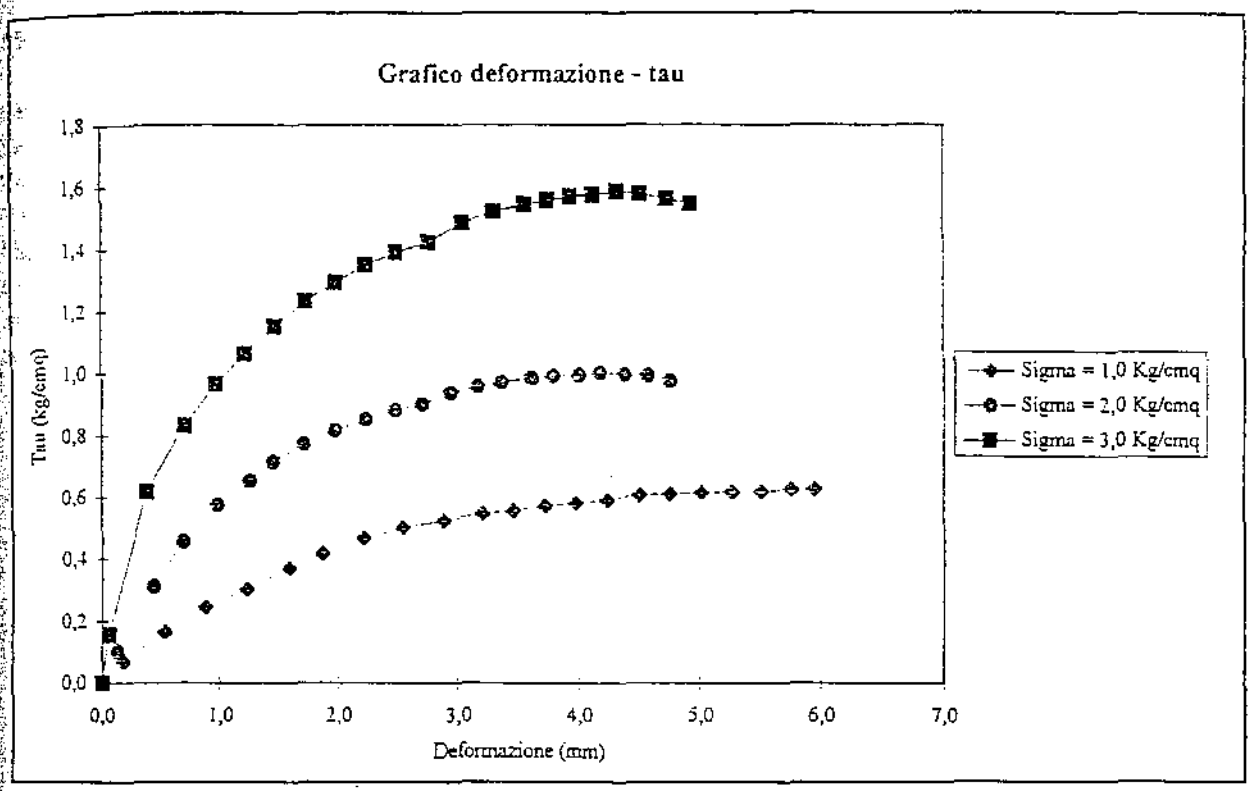
PROVA DI TAGLIO DIRETTO CONSOLIDATA DRENATA

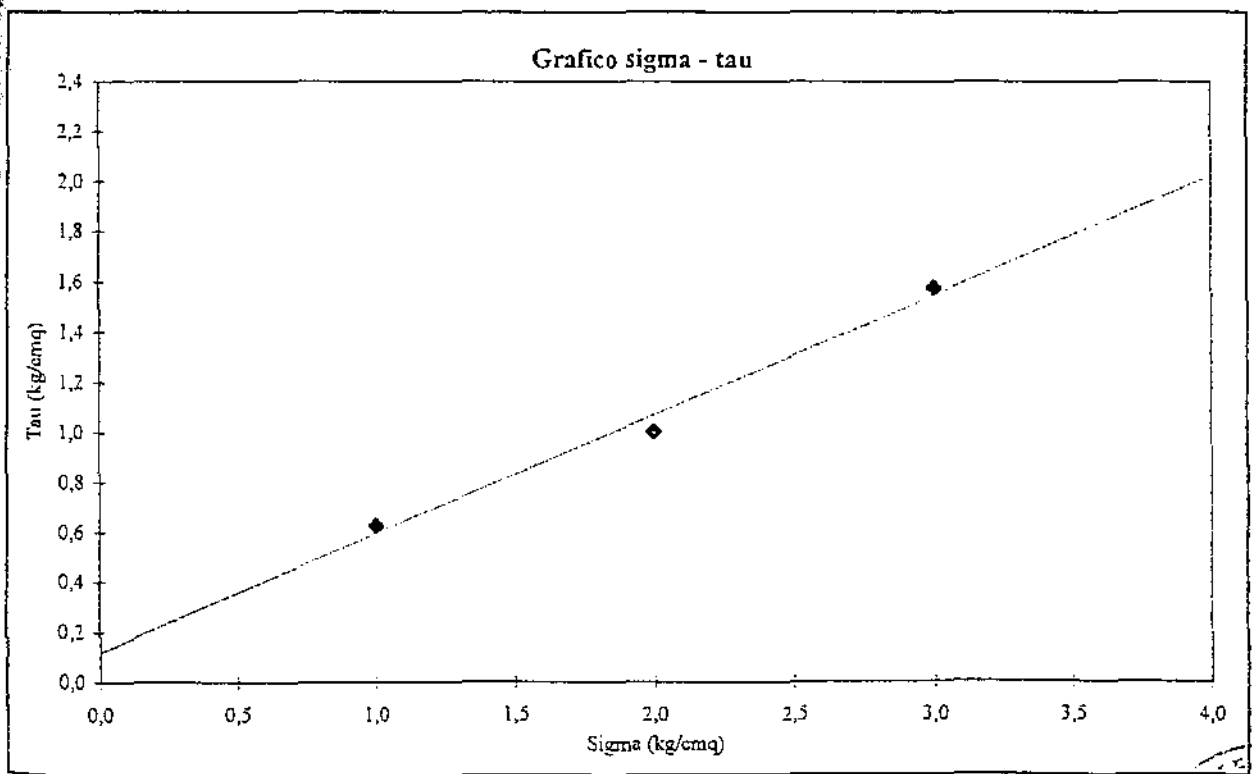
	Provino 1	Provino 2	Provino 3
Peso di volume naturale iniziale (gr/cmc)	1,94	1,95	1,96
Peso di volume naturale finale (gr/cmc)	2,02	2,14	2,27
Peso di volume secco iniziale (gr/cmc)	1,49	1,50	1,50
Peso di volume secco finale (gr/cmc)	1,58	1,68	1,80
Contenuto d'acqua iniziale (%)	29,92	30,10	30,28
Contenuto d'acqua finale (%)	28,00	27,03	26,08
Velocità di deformazione (mm/min.)	0,004	0,004	0,004
Sigma (kg/cmq)	1,0	2,0	3,0
Tau a rottura (kg/cmq)	0,626	1,004	1,579

Provino 1		Provino 2		Provino 3	
Scorrimento (mm)	Tau (Kg/cmq)	Scorrimento (mm)	Tau (Kg/cmq)	Scorrimento (mm)	Tau (Kg/cmq)
0,18	0,100	0,13	0,102	0,06	0,155
0,53	0,165	0,43	0,311	0,38	0,616
0,87	0,245	0,68	0,455	0,70	0,831
1,22	0,304	0,98	0,576	0,96	0,964
1,58	0,371	1,25	0,653	1,21	1,064
1,86	0,419	1,44	0,714	1,46	1,153
2,20	0,467	1,70	0,774	1,72	1,234
2,54	0,503	1,96	0,818	1,97	1,295
2,88	0,526	2,22	0,853	2,22	1,349
3,20	0,548	2,47	0,882	2,48	1,390
3,45	0,558	2,70	0,902	2,75	1,425
3,71	0,574	2,93	0,938	3,03	1,489
3,97	0,583	3,16	0,958	3,29	1,524
4,23	0,593	3,35	0,972	3,54	1,545
4,50	0,610	3,60	0,986	3,74	1,558
4,75	0,612	3,77	0,993	3,93	1,570
5,01	0,615	3,99	0,997	4,12	1,576
5,26	0,618	4,17	1,004	4,32	1,589
5,50	0,620	4,37	1,000	4,51	1,579
5,75	0,624	4,56	0,995	4,72	1,563
5,94	0,626	4,75	0,978	4,92	1,547

$C = 0,12$ kg/cmq $\varphi = 25,5°$

Campione: S1C2	Profondità: 22,2 - 22,7 m



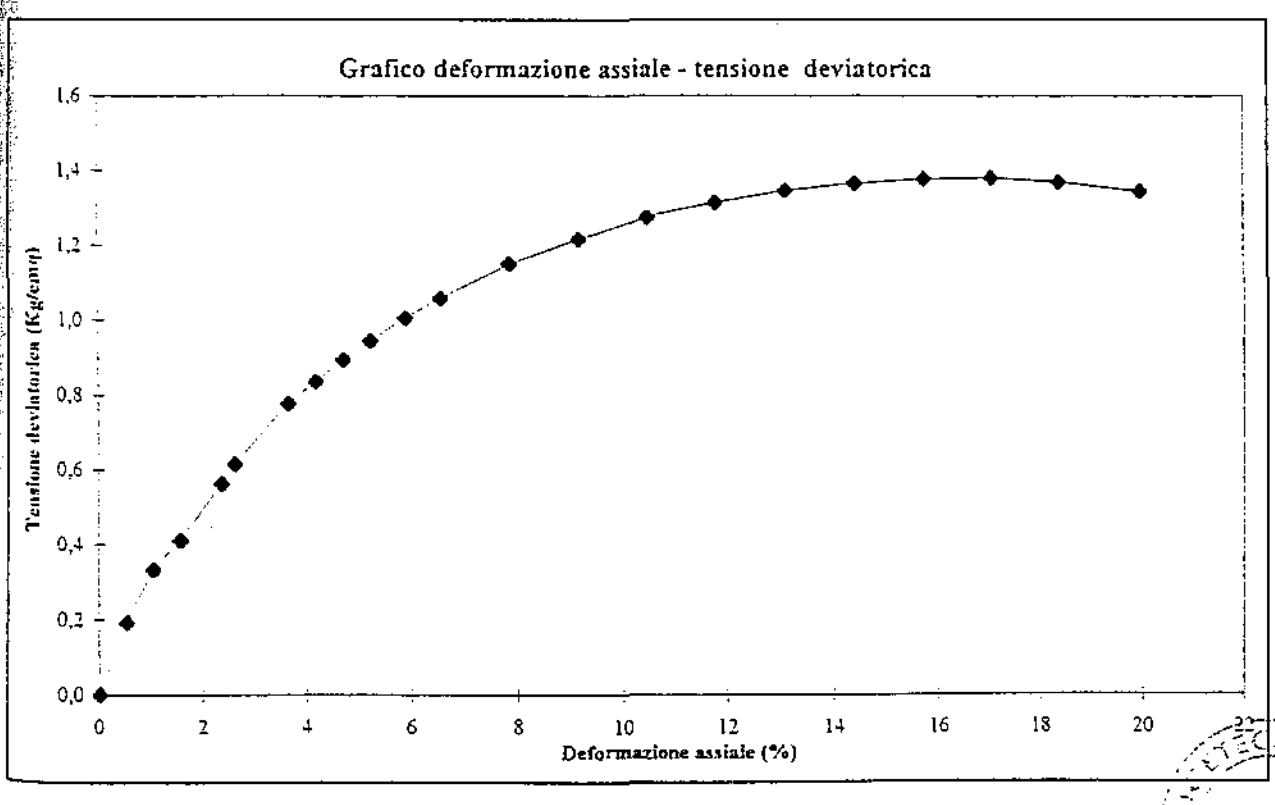


Campione: S1C2 Profondità: 22,2 - 22,7 m

PROVA DI ESPANSIONE LATERALE LIBERA

Peso volume naturale (gr/cmq)	1,97
Peso volume secco (gr/cmq)	1,52
Contenuto d'acqua (%)	29,49
Vel. def. (mm/min)	1,27
Sigma a rottura (Kg/cmq)	1,380
Coesione non drenata (Kg/cmq)	0,69
Modulo elastico	
tangente iniziale (kg/cmq)	36,5

ε (%)	σ (kg/cmq)
0,53	0,192
1,05	0,333
1,58	0,411
2,36	0,564
2,63	0,615
3,68	0,777
4,20	0,836
4,73	0,895
5,25	0,945
5,91	1,004
6,56	1,059
7,88	1,152
9,19	1,216
10,50	1,279
11,81	1,315
13,13	1,346
14,44	1,366
15,75	1,378
17,06	1,380
18,38	1,370
19,97	1,345



Campione: S1C2	Profondità: 22,2 - 22,7 m

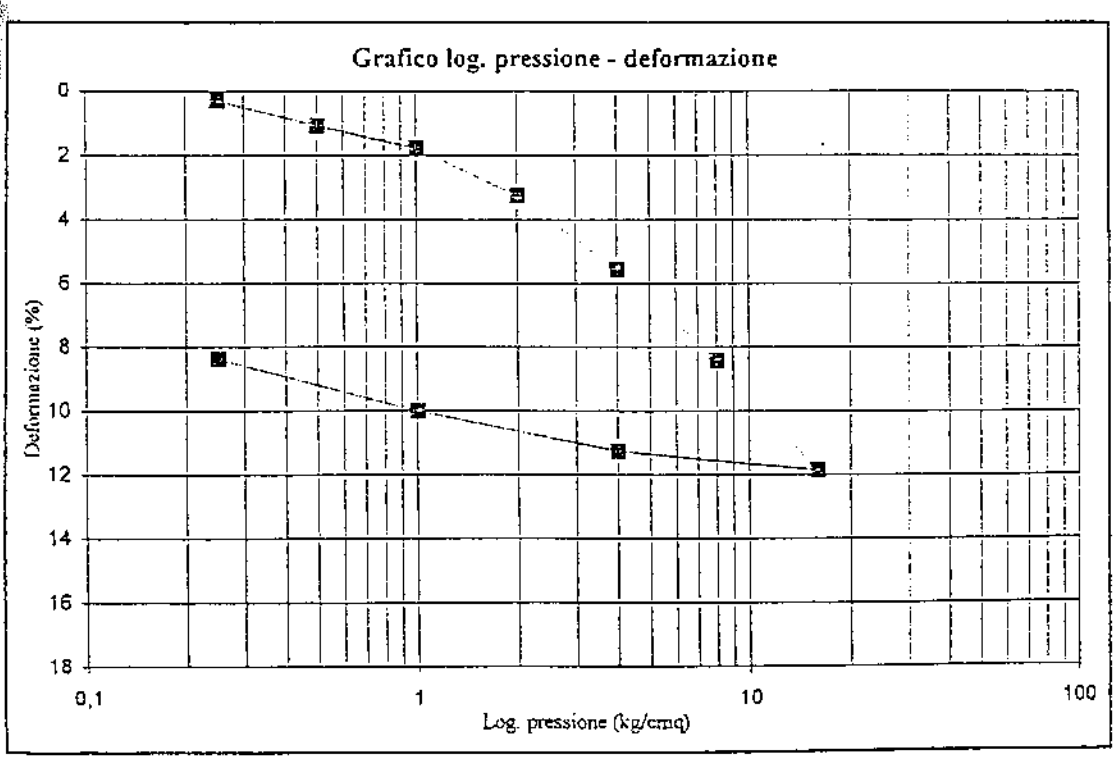
PROVA EDOMETRICA

	Iniziale	Finale
Altezza (mm)	20,288	18,587
Volume (cmc)	40,639	37,231
Peso di volume naturale (gr/cmc)	1,92	2,02
Peso di volume secco (gr/cmc)	1,49	1,63
Contenuto d'acqua (%)	28,99	24,09

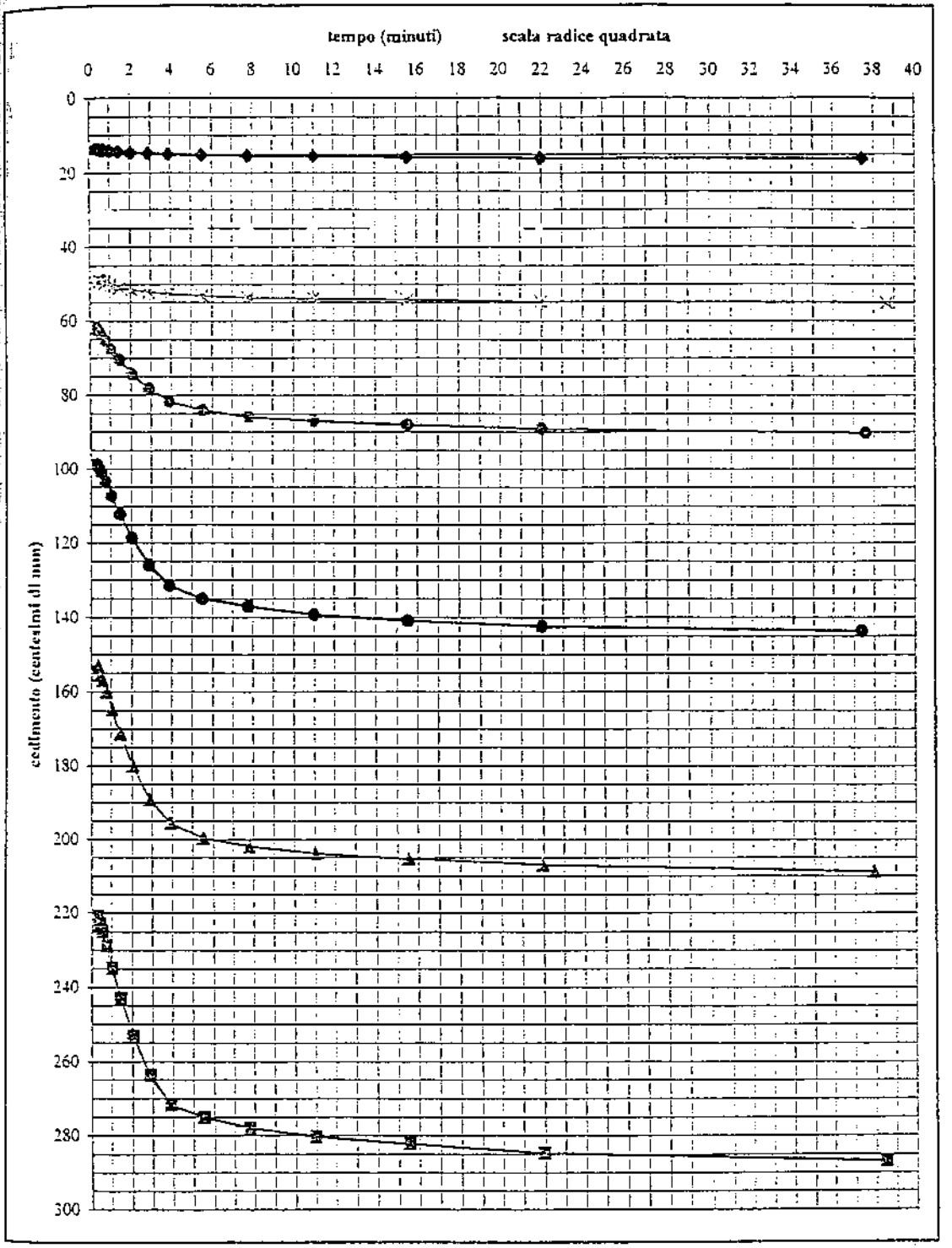
Pressione (kg/cmq)	Deformazione (%)	Mv (cmq/kg)	Cv (cmq/sec)		K (cm/sec)	
0,25	0,306	--	--		--	
0,5	1,075	0,03076	1,9952	$\times 10^{-2}$	6,1367	$\times 10^{-7}$
1	1,784	0,01420	9,856	$\times 10^{-3}$	1,3991	$\times 10^{-7}$
2	3,251	0,01466	2,978	$\times 10^{-3}$	4,367	$\times 10^{-8}$
4	5,545	0,01147	1,464	$\times 10^{-3}$	1,680	$\times 10^{-8}$
8	8,424	0,00720	1,211	$\times 10^{-3}$	8,71	$\times 10^{-9}$
16	11,867	0,00430	1,126	$\times 10^{-3}$	4,85	$\times 10^{-9}$
4	11,273	--	--		--	
1	10,026	--	--		--	
0,25	8,387	--	--		--	

In riferimento alla curva log. pressione / deformazione:

RR (rapporto di ricompressione) :	0,02456
CR (rapporto di compressione) :	0,10500
SR (rapporto di rigonfiamento) :	0,01941



Campione: S1C2 Profondità: 22,2 - 22,7 m



Scala 1:100

Profondita'	Potenza	Stratigrafia	Descrizione	Campioni	S.P.T.	Pocket	Piezometro	Falda	Cassetta
	5.60		Sabbia fine limosa colore marrone chiaro-verdastro, con rari resti di laterizi, da mediamente compatto a poco compatto verso il basso.	2.50 S2C1 3.00	10 20 30 40 3.1 3.55	1 2 3 4			1
5.60	0.40		Passaggio graduale a sabbia media grossolana, color ocra-ruggine.						
6.00	6.00		Sabbia poco addensata, da media a grossolana, color grigio-verdastro, con livelletti addensati. Presenza di rari clasti essenzialmente quarzosi.				10.00	6.30	2 3
12.00	3.25		Sabbia, color grigio scuro, da media a grossolana, poco addensata, quarzosa, con rari resti organici e livelletti più limosi.						4
15.25	1.05		Sabbia fine limosa, color grigio scuro, poco addensata.	15.50 S2C2 16.00					
16.30	4.60		Sabbia, color grigio scuro, da media a grossolana, poco addensata, quarzosa, con rari resti organici e livelletti più limosi.						5

S.P.T. N.1 (-3.10 m) valori: 3 - 4 - 5

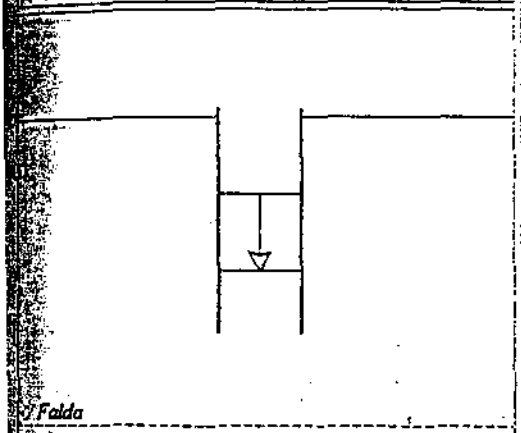
Scala 1:100

Profondità	Potenza	Stratigrafia	Descrizione	Campioni	S.P.T. 10 20 30 40	Pocket 1 2 3 4	Piezometro	Falda	Cassetta
0	4.60		Sabbia, color grigio scuro, da media a grossolana, poco addensata, quarzosa, con rari resti organici e livelletti più limosi.						
20.90	4.10		Limo argilloso con sabbia finissima, poco compatto. Tra 22.00 e 22.70 m livelletto sabbioso con clasti centimetrici, color ocra.						6
25.00									7

S.P.T. N.1 (-3.10 m) valori: 5 - 4 - 5

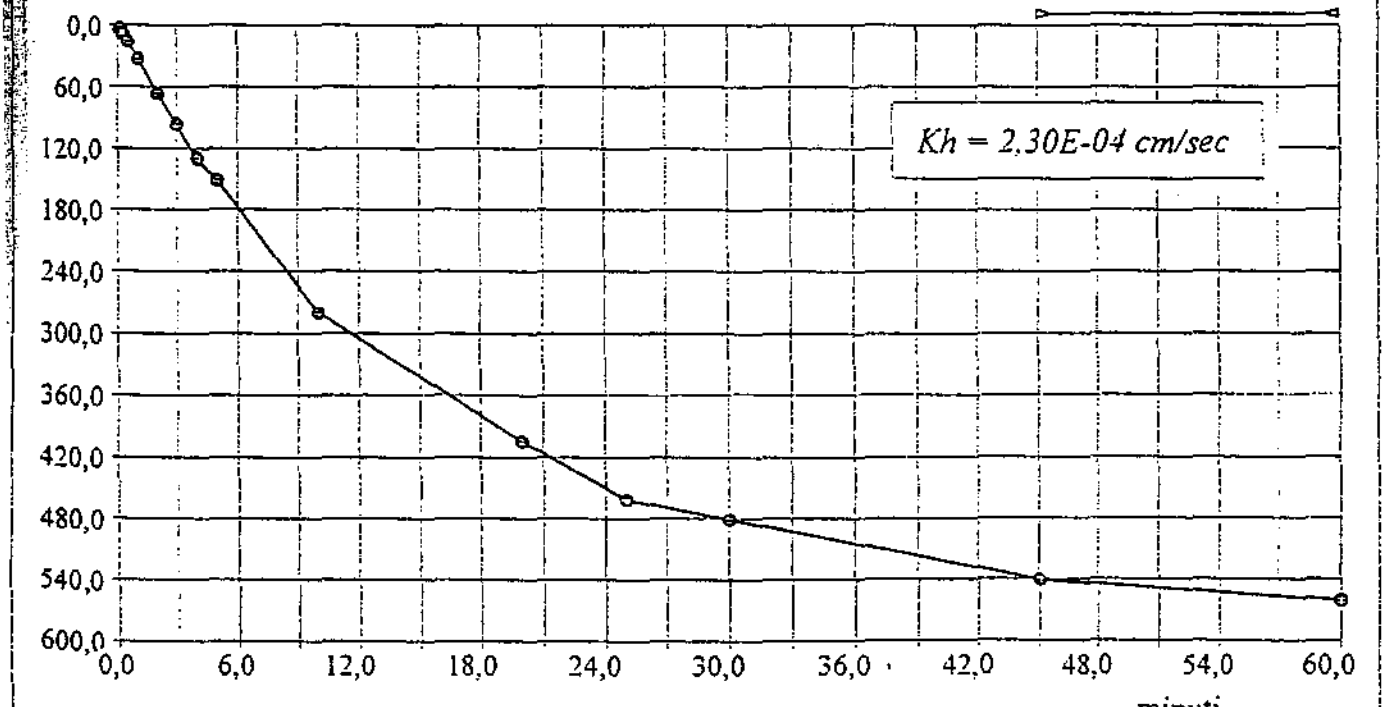
Prova in abbassamento

Livello di base dell'acqua dal p.c. (m	**10,00**
Livello dell'acqua dal p.c. (m)	**3,20**
Diametro del tratto di prova (m)	**0,101**
Profondità del rivestimento (m)	**7,50**
Profondità del foro (m)	**8,10**
Spessore del tratto di prova (m)	**0,60**
Coefficiente di forma	**0,60**



T min	*H* cm	*dH* cm	*k* cm/sec	*T* min	*H* cm	*dH* cm	*k* cm/sec
0,0	680,0	0,0					
0,2	676,0	4,0	8,75E-04				
0,3	671,0	9,0	1,10E-03				
0,5	664,0	16,0	1,17E-03				
1,0	647,0	33,0	1,15E-03				
2,0	613,0	67,0	1,20E-03				
3,0	583,0	97,0	1,12E-03				
4,0	550,0	130,0	1,30E-03				
5,0	528,0	152,0	9,08E-04				
10,0	400,0	280,0	1,24E-03				
20,0	275,0	405,0	8,34E-04				
25,0	218,0	462,0	1,03E-03				
30,0	199,0	481,0	4,06E-04				
45,0	139,0	541,0	5,32E-04				
60,0	119,0	561,0	2,30E-04				

DIAGRAMMA ABBASSAMENTO - TEMPO



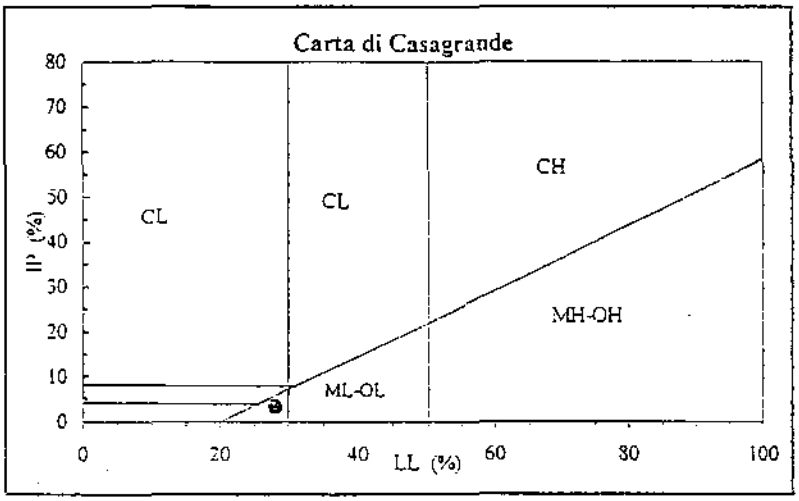
Campione: S2C1	Profondità: 2,5 - 3,0 m

Descrizione: limo argilloso sabbioso, con livelli di limo sabbioso - sabbia limosa, ocra

LIMITI DI ATTERBERG

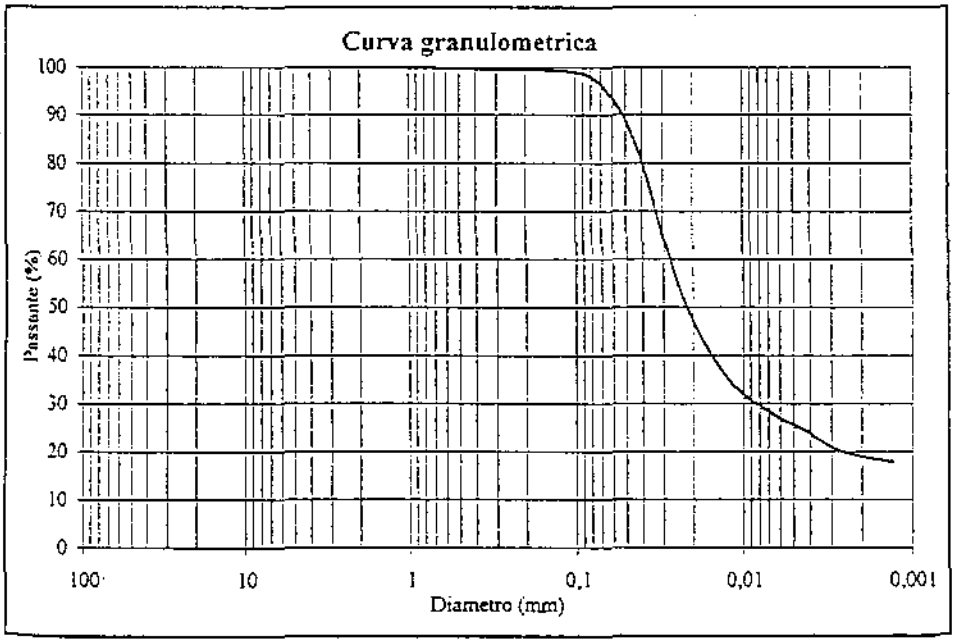
Umidità naturale (Wn) =	22,43%
Limite di liquidità (LL) =	28,0%
Limite di plasticità (LP) =	24,6%
Indice di plasticità (IP) =	3,4%
Indice di consistenza (Ic) =	1,64
Indice di attività (Iatt) =	0,18

ML = limi inorganici di bassa plasticità



ANALISI GRANULOMETRICA

Diametro (mm)	Passante (%)	Diametro (mm)	Passante (%)
4,75	100	0,0432	83,54
2,00	99,99	0,0235	52,54
0,850	99,84	0,0126	35,35
0,425	99,61	0,0064	27,44
0,250	99,56	0,0046	24,82
0,150	99,46	0,0032	21,50
0,075	97,32	0,0023	19,45
		0,0013	17,92



Ghiaia	0,01%
Sabbia	9,18%
Limo	71,84%
Argilla	18,97%

Limo argilloso debolmente sabbioso

Prova di permeabilità a carico variabile su cella edometrica

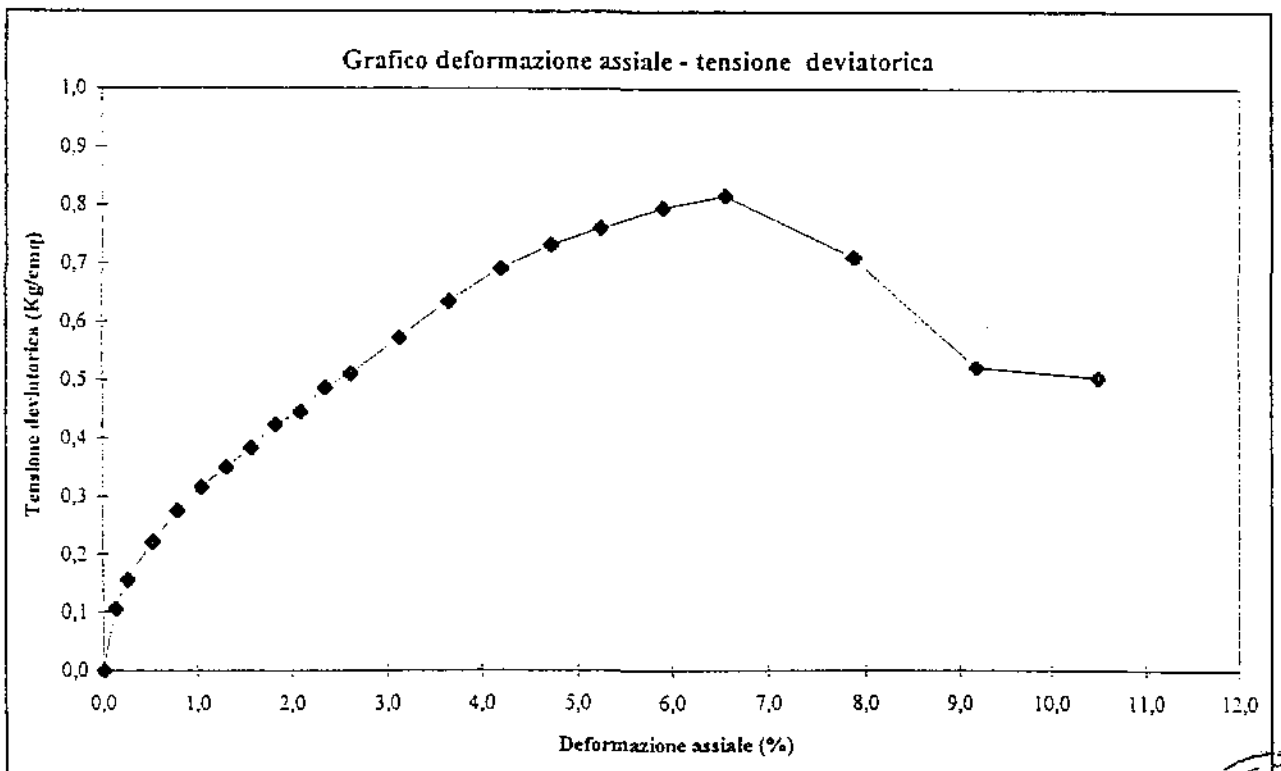
K (cm/sec)= 3,966*10-6 $\sigma' = 0,5$

Campione: S2C1 Profondità: 2,5 - 3,0 m

PROVA DI ESPANSIONE LATERALE LIBERA

Peso volume naturale (gr/cmq)	1,90
Peso volume secco (gr/cmq)	1,56
Contenuto d'acqua (%)	21,48
Vel. def. (mm/min)	1,27
Sigma a rottura (Kg/cmq)	0,817
Coesione non drenata (Kg/cmq)	0,41
Modulo elastico tangente iniziale (kg/cmq)	33,2

ε (%)	σ (kg/cmq)
0,13	0,106
0,26	0,156
0,53	0,221
0,79	0,274
1,05	0,316
1,31	0,350
1,58	0,383
1,84	0,424
2,10	0,446
2,36	0,486
2,63	0,511
3,15	0,572
3,68	0,637
4,20	0,693
4,73	0,733
5,25	0,762
5,91	0,797
6,57	0,817
7,88	0,712
9,19	0,523
10,51	0,505



Campione: S2C1	Profondità: 2,5 - 3,0 m

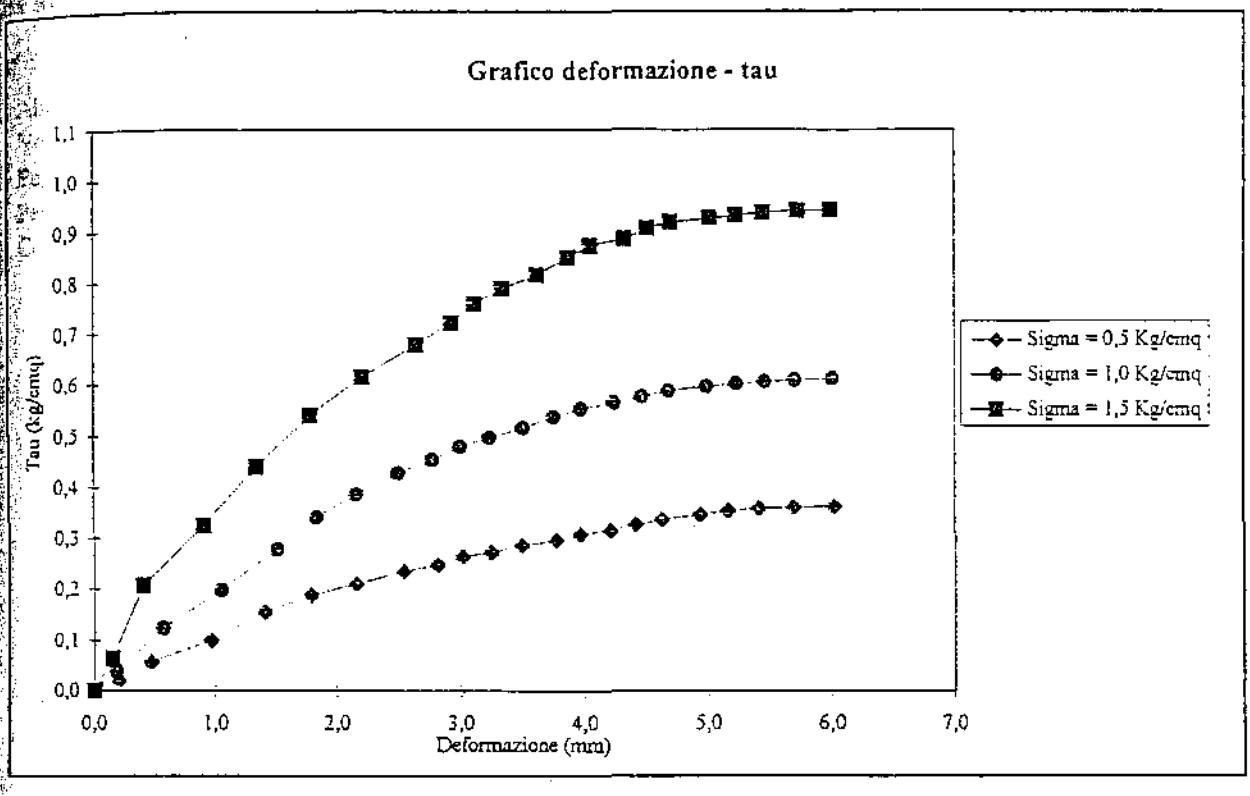
PROVA DI TAGLIO DIRETTO NON CONSOLIDATA NON DRENATA

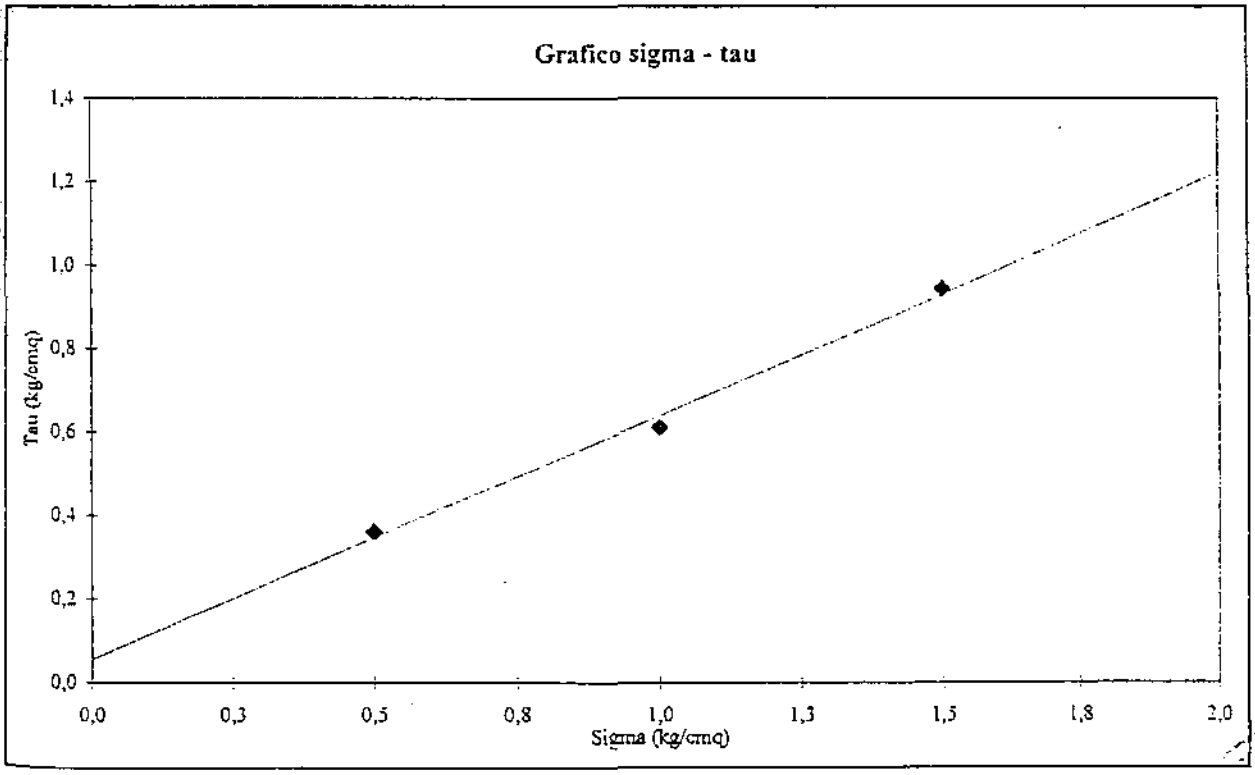
	Provino 1	Provino 2	Provino 3
Peso di volume naturale iniziale (gr/cmc)	1,87	1,88	1,88
Peso di volume secco iniziale (gr/cmc)	1,52	1,53	1,53
Contenuto d'acqua iniziale (%)	22,87	23,08	23,10
Velocità di deformazione (mm/min.)	1,5	1,5	1,5
Sigma (kg/cmq)	0,5	1,0	1,5
Tau a rottura (kg/cmq)	0,361	0,611	0,945

Provino 1		Provino 2		Provino 3	
Scorrimento (mm)	Tau (Kg/cmq)	Scorrimento (mm)	Tau (Kg/cmq)	Scorrimento (mm)	Tau (Kg/cmq)
0,20	0,019	0,19	0,039	0,15	0,063
0,47	0,056	0,57	0,123	0,41	0,207
0,96	0,100	1,05	0,198	0,90	0,324
1,40	0,155	1,51	0,278	1,34	0,439
1,78	0,189	1,83	0,341	1,78	0,540
2,15	0,210	2,15	0,386	2,20	0,615
2,53	0,235	2,50	0,428	2,64	0,679
2,81	0,249	2,77	0,454	2,92	0,721
3,01	0,265	2,99	0,479	3,11	0,760
3,23	0,274	3,23	0,498	3,33	0,790
3,48	0,287	3,49	0,516	3,61	0,817
3,76	0,297	3,75	0,537	3,87	0,851
3,95	0,309	3,97	0,553	4,05	0,874
4,20	0,317	4,23	0,564	4,32	0,889
4,40	0,327	4,46	0,577	4,51	0,907
4,63	0,336	4,68	0,587	4,70	0,919
4,94	0,346	4,99	0,596	5,02	0,927
5,16	0,354	5,23	0,602	5,23	0,932
5,41	0,358	5,45	0,606	5,45	0,938
5,69	0,360	5,70	0,609	5,73	0,943
6,01	0,361	6,00	0,611	5,99	0,945

Cu = 0,06 kg/cmq $\varphi = 30,3°$

Campione: S2C1	Profondità: 2,5 - 3,0 m





Campione: S2C1	Profondità: 2,5 - 3,0 m

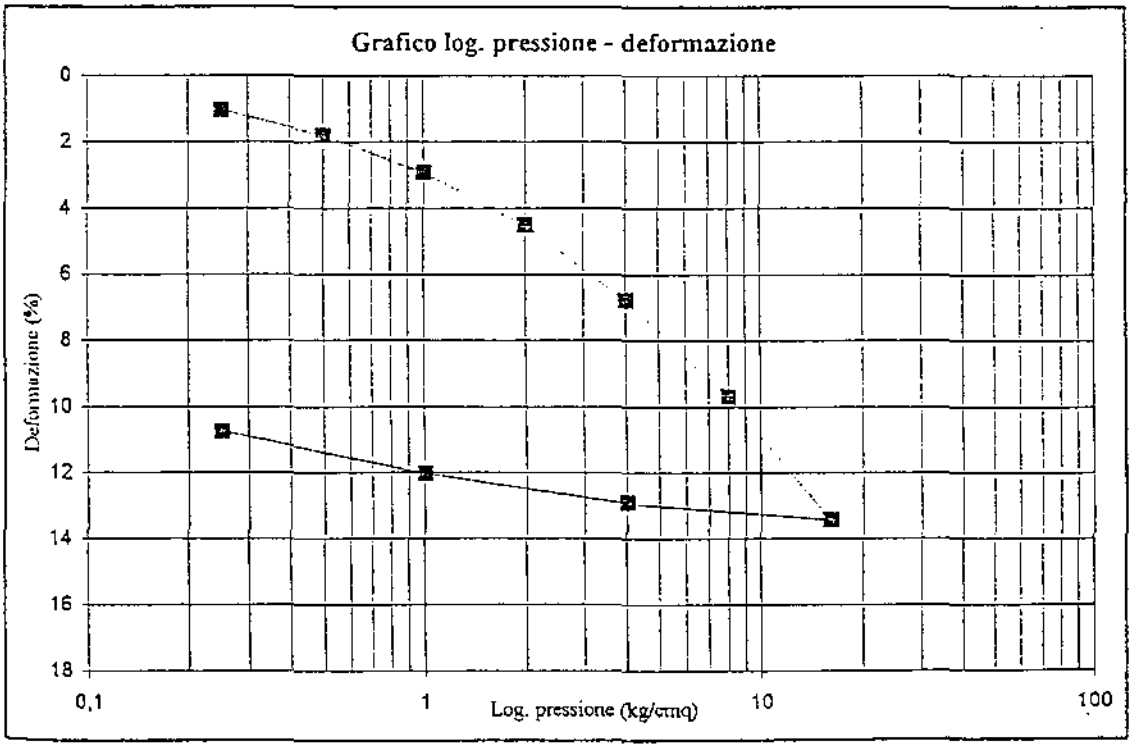
PROVA EDOMETRICA

	Iniziale	Finale
Altezza (mm)	19,817	17,688
Volume (cmc)	39,743	35,473
Peso di volume naturale (gr/cmc)	1,84	2,06
Peso di volume secco (gr/cmc)	1,47	1,64
Contenuto d'acqua (%)	25,72	25,54

Pressione (kg/cmq)	Deformazione (%)	Mv (cmq/kg)	Cv (cmq/sec)		K (cm/sec)	
0,25	1,045	--	1,3848	x 10^{-2}	--	
0,5	1,796	0,03008	1,3539	x 10^{-2}	4,0718	x 10^{-7}
1	2,927	0,02261	1,3309	x 10^{-2}	3,0088	x 10^{-7}
2	4,504	0,01577	1,2960	x 10^{-2}	2,0437	x 10^{-7}
4	6,767	0,01132	1,2509	x 10^{-2}	1,4155	x 10^{-7}
8	9,689	0,00730	1,1825	x 10^{-2}	8,637	x 10^{-8}
16	13,446	0,00470	1,1055	x 10^{-2}	5,192	x 10^{-8}
4	12,948	--	--		--	
1	12,040	--	--		--	
0,25	10,743	--	--		--	

In riferimento alla curva log. pressione / deformazione:

RR (rapporto di ricompressione) :	0,03126
CR (rapporto di compressione) :	0,11093
SR (rapporto di rigonfiamento) :	0,01497



Campione: S2C2	Profondità: 15,5 - 16,0 m

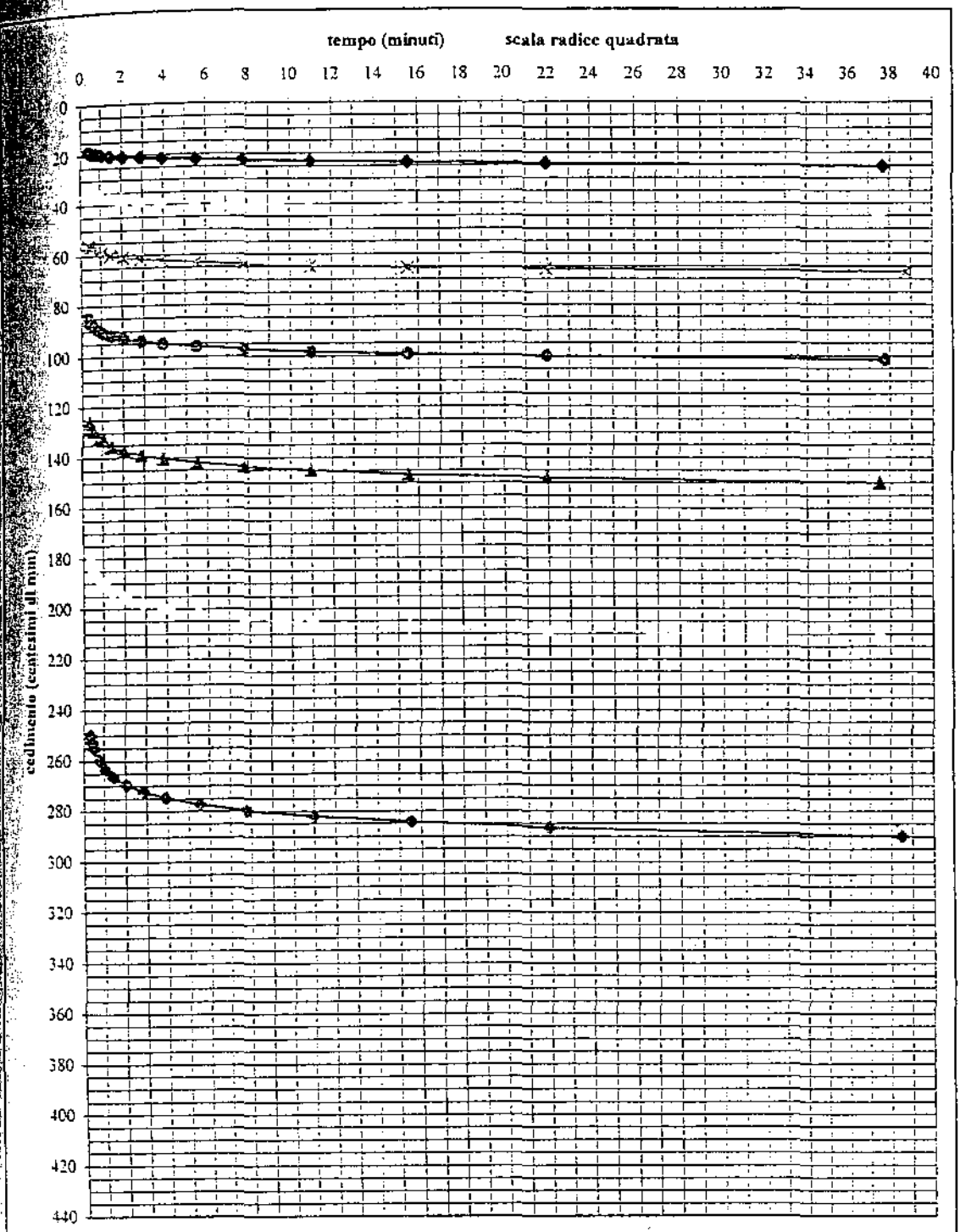
PROVA DI TAGLIO DIRETTO NON CONSOLIDATA NON DRENATA

	Provino 1	Provino 2	Provino 3
Peso di volume naturale iniziale (gr/cmc)	1,83	1,87	1,91
Peso di volume secco iniziale (gr/cmc)	1,32	1,38	1,43
Contenuto d'acqua iniziale (%)	38,86	35,93	33,03
Velocità di deformazione (mm/min.)	1,5	1,5	1,5
Sigma (kg/cmq)	0,5	1,0	1,5
Tau a rottura (kg/cmq)	0,310	0,633	0,934

Provino 1		Provino 2		Provino 3	
Scorrimento (mm)	Tau (Kg/cmq)	Scorrimento (mm)	Tau (Kg/cmq)	Scorrimento (mm)	Tau (Kg/cmq)
0,22	0,010	0,20	0,034	0,17	0,075
0,73	0,082	0,73	0,186	0,71	0,284
1,19	0,125	1,18	0,264	1,15	0,394
1,67	0,172	1,67	0,336	1,63	0,488
1,88	0,191	1,89	0,367	1,87	0,530
2,10	0,202	2,12	0,391	2,10	0,567
2,35	0,216	2,36	0,414	2,33	0,598
2,61	0,232	2,62	0,439	2,57	0,630
2,87	0,251	2,88	0,469	2,83	0,671
3,12	0,256	3,12	0,483	3,06	0,694
3,37	0,268	3,38	0,508	3,31	0,726
3,62	0,269	3,63	0,522	3,57	0,756
3,88	0,274	3,91	0,542	3,86	0,787
4,14	0,276	4,17	0,553	4,11	0,808
4,40	0,288	4,43	0,572	4,37	0,836
4,65	0,296	4,68	0,587	4,62	0,858
4,95	0,298	4,97	0,602	4,89	0,886
5,22	0,303	5,25	0,617	5,17	0,906
5,45	0,304	5,50	0,623	5,43	0,916
5,70	0,306	5,76	0,628	5,69	0,924
5,95	0,310	6,00	0,633	5,92	0,934

$Cu = 0$ $\varphi = 32,0°$

Campione: S2C1 Profondità: 2,5 - 3,0 m



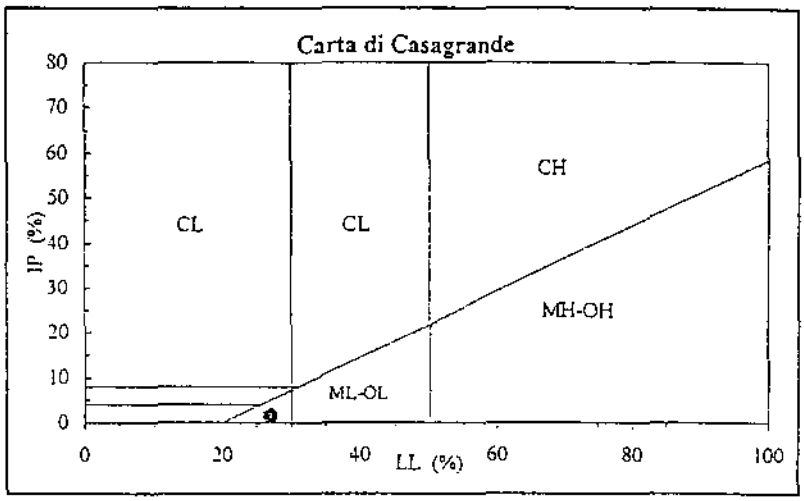
Campione: S2C2 **Profondità:** 15,5 - 16,0 m

Descrizione: limo sabbioso argilloso ocra grigio

LIMITI DI ATTERBERG

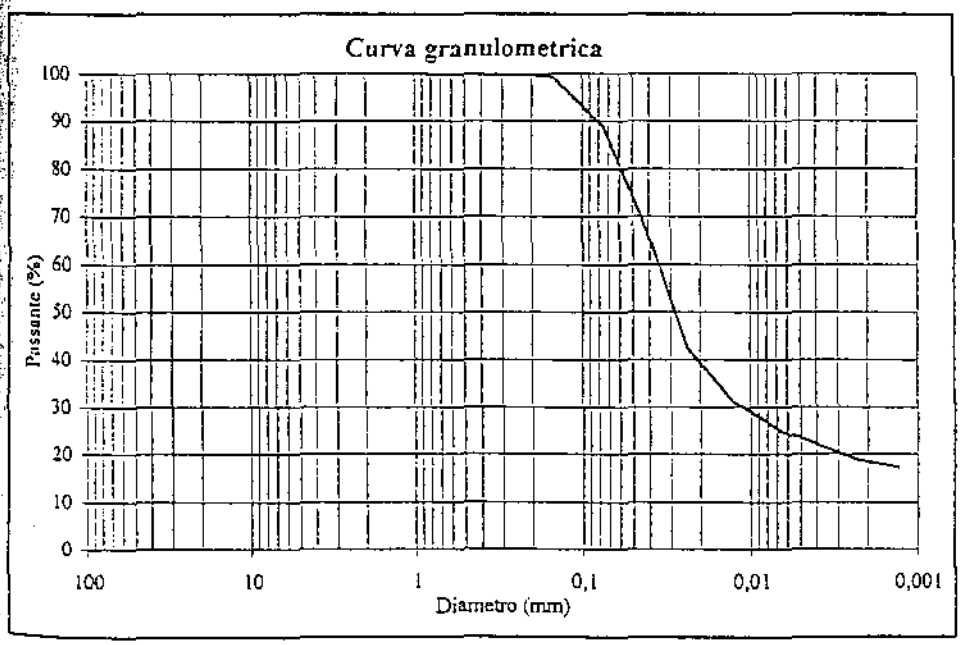
Umidità naturale (Wn) =	30,86%
Limite di liquidità (LL) =	26,9%
Limite di plasticità (LP) =	25,3%
Indice di plasticità (IP) =	1,7%
Indice di consistenza (Ic) =	-2,38
Indice di attività (Iatt) =	0,09

ML = limi inorganici di bassa plasticità



ANALISI GRANULOMETRICA

Diametro (mm)	Passante (%)	Diametro (mm)	Passante (%)
2,00	100	0,0440	69,68
0,850	99,99	0,0238	42,46
0,425	99,89	0,0126	31,09
0,250	99,78	0,0064	24,74
0,150	99,29	0,0045	23,05
0,075	88,76	0,0032	20,73
		0,0023	18,85
		0,0013	17,39



Ghiaia	0,00%
Sabbia	20,48%
Limo	61,11%
Argilla	18,41%

Limo sabbioso argilloso

Prova di permeabilità a carico variabile su cella edometrica

K (cm/sec)= 3,30*10-7 $\sigma' = 0,5$

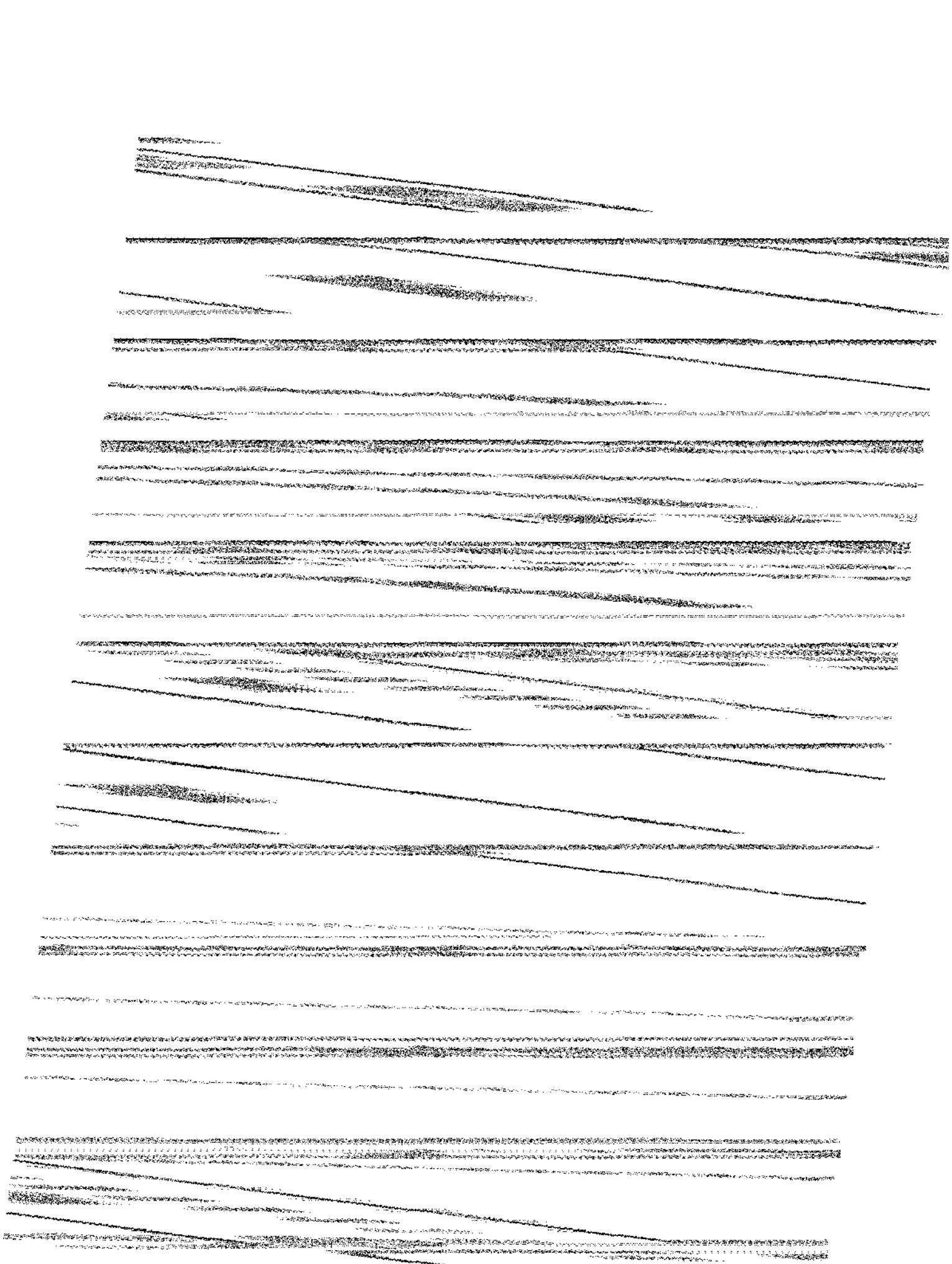
Campione: S2C2 Profondità: 15,5 - 16,0 m

PROVA DI TAGLIO DIRETTO NON CONSOLIDATA NON DRENATA

	Provino 1	Provino 2	Provino 3
Peso di volume naturale iniziale (gr/cmc)	1,83	1,87	1,91
Peso di volume secco iniziale (gr/cmc)	1,32	1,38	1,43
Contenuto d'acqua iniziale (%)	38,86	35,93	33,03
Velocità di deformazione (mm/min.)	1,5	1,5	1,5
Sigma (kg/cmq)	0,5	1,0	1,5
Tau a rottura (kg/cmq)	0,310	0,633	0,934

Provino 1		Provino 2		Provino 3	
Scorrimento (mm)	Tau (Kg/cmq)	Scorrimento (mm)	Tau (Kg/cmq)	Scorrimento (mm)	Tau (Kg/cmq)
0,22	0,010	0,20	0,034	0,17	0,075
0,73	0,082	0,73	0,186	0,71	0,284
1,19	0,125	1,18	0,264	1,15	0,394
1,67	0,172	1,67	0,336	1,63	0,488
1,88	0,191	1,89	0,367	1,87	0,530
2,10	0,202	2,12	0,391	2,10	0,567
2,35	0,216	2,36	0,414	2,33	0,598
2,61	0,232	2,62	0,439	2,57	0,630
2,87	0,251	2,88	0,469	2,83	0,671
3,12	0,256	3,12	0,483	3,06	0,694
3,37	0,268	3,38	0,508	3,31	0,726
3,62	0,269	3,63	0,522	3,57	0,756
3,88	0,274	3,91	0,542	3,86	0,787
4,14	0,276	4,17	0,553	4,11	0,808
4,40	0,288	4,43	0,572	4,37	0,836
4,65	0,296	4,68	0,587	4,62	0,858
4,95	0,298	4,97	0,602	4,89	0,886
5,22	0,303	5,25	0,617	5,17	0,906
5,45	0,304	5,50	0,623	5,43	0,916
5,70	0,306	5,76	0,628	5,69	0,924
5,95	0,310	6,00	0,633	5,92	0,934

Cu = 0 $\varphi = 32,0°$

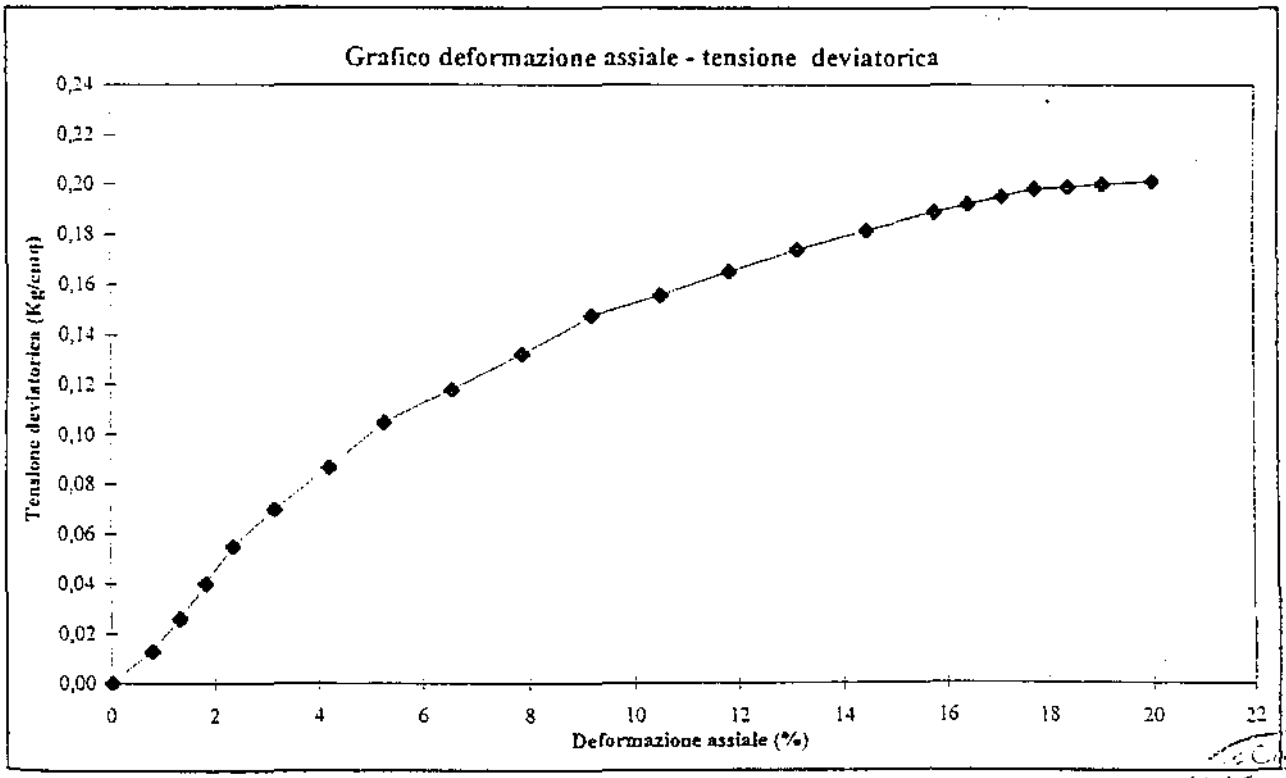


Campione: S2C2	Profondità: 3,5 - 4,0 m

PROVA DI ESPANSIONE LATERALE LIBERA

Peso volume naturale (gr/cmq)	1,87
Peso volume secco (gr/cmq)	1,39
Contenuto d'acqua (%)	34,78
Vel. def. (mm/min)	1,27
Sigma a rottura (Kg/cmq)	0,201
Coesione non drenata (Kg/cmq)	0,10
Modulo elastico tangente iniziale (kg/cmq)	2,8

ε (%)	σ (kg/cmq)
0,79	0,013
1,31	0,026
1,84	0,040
2,36	0,055
3,15	0,070
4,20	0,087
5,25	0,105
6,57	0,118
7,88	0,132
9,19	0,147
10,51	0,156
11,82	0,165
13,13	0,174
14,45	0,182
15,76	0,189
16,41	0,192
17,07	0,195
17,73	0,198
18,38	0,199
19,04	0,200
20,00	0,201



Campione: S2C2	Profondità: 15,5 - 16,0 m

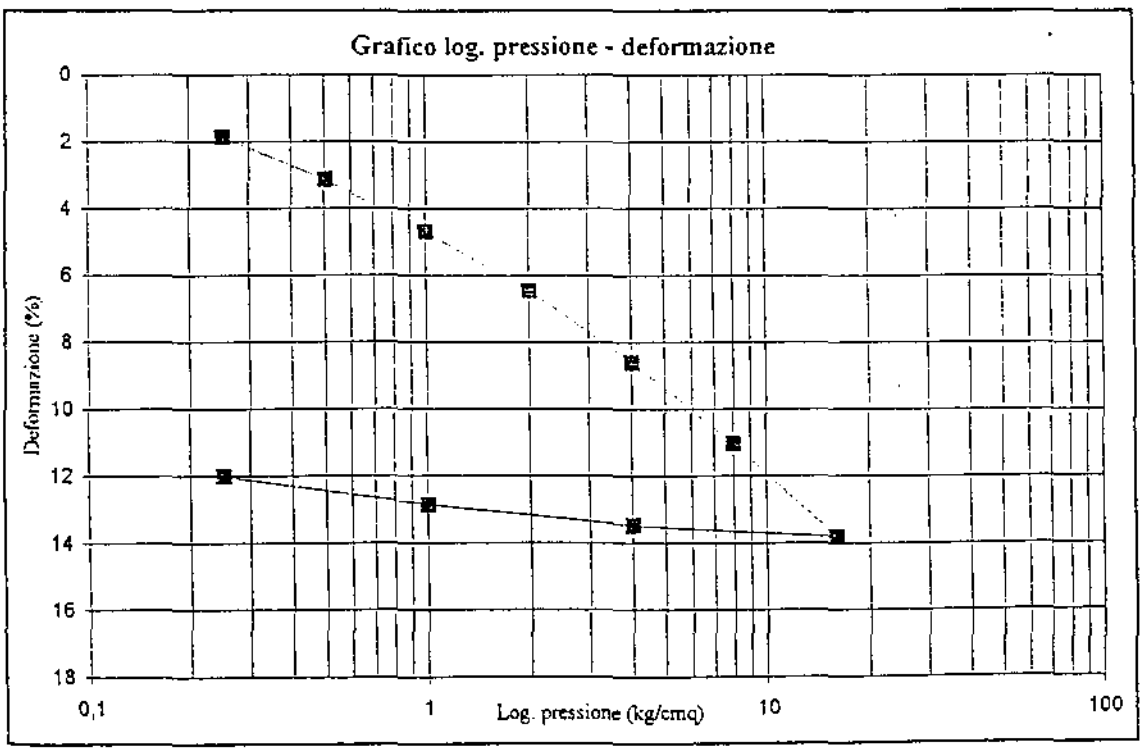
PROVA EDOMETRICA

	Iniziale	Finale
Altezza (mm)	19,853	17,467
Volume (cmc)	39,803	35,020
Peso di volume naturale (gr/cmc)	1,91	2,04
Peso di volume secco (gr/cmc)	1,45	1,65
Contenuto d'acqua (%)	31,99	23,73

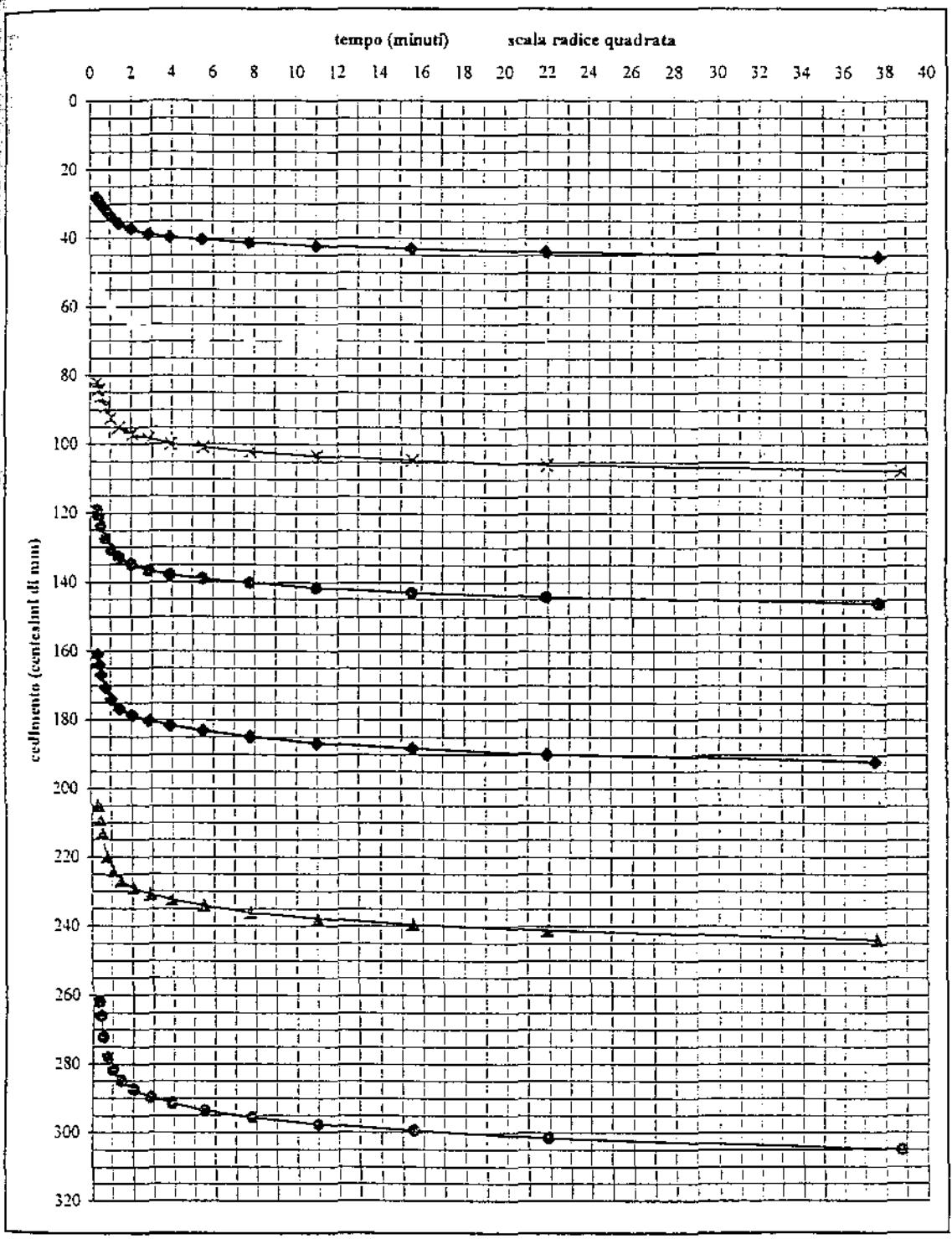
Pressione (kg/cmq)	Deformazione (%)	Mv (cmq/kg)	Cv (cmq/sec)		K (cm/sec)	
0,25	1,874	--	1,3819	x 10^{-2}	--	
0,5	3,128	0,05017	1,5769	x 10^{-2}	7,9111	x 10^{-7}
1	4,677	0,03098	1,2847	x 10^{-2}	3,9796	x 10^{-7}
2	6,450	0,01773	1,0264	x 10^{-2}	1,8199	x 10^{-7}
4	8,603	0,01077	1,1436	x 10^{-2}	1,2313	x 10^{-7}
8	11,016	0,00603	1,4548	x 10^{-2}	8,775	x 10^{-8}
16	13,827	0,00351	1,1563	x 10^{-2}	4,062	x 10^{-8}
4	13,479	--	--		--	
1	12,865	--			--	
0,25	12,018	--	--		--	

In riferimento alla curva log. pressione / deformazione:

RR (rapporto di ricompressione) :	0,04656
CR (rapporto di compressione) :	0,08676
SR (rapporto di rigonfiamento) :	0,01003



Campione: S2C2 Profondità: 15,5 - 16,0 m



Scala 1:100

Profondità	Potenza	Stratigrafia	Descrizione	Campioni	S.P.T.	Pocket	Piezometro	Falda	Cassetta
					10 20 30 40	1 2 3 4			
0.00	5.30		Sabbia limosa colore marrone chiaro, da poco compatto a mediamente compatto, passante verso il basso a sabbia fine dello stesso colore. Tracce di ossidazione e resti carboniosi.	2.00 S3C1 2.50	5.1 5.55			5.80	1
5.30	1.00		Sabbia finissima debolmente limosa, color marrone chiaro, poco addensata.						
6.30	0.70		Sabbia media, molto ossidata, con venature ocracee.						
7.00	0.60		Passaggio da sabbia fine a media, color grigio-verdastro, poco addensata.						
7.60	6.80		Sabbia da media a grossolana, quarzosa, color grigio, poco addensata a sciolta, rari clasti appiattiti e resti di conchiglie.				10.00		3
14.40	2.10		Sabbia fine limosa grigia scuro, poco addensata.	14.50 S3C2 15.60					4
16.50	0.90		Limo argilloso grigio scuro poco compatto.						
17.40	1.80		Sabbia fine limosa grigia scuro, poco addensata.						5
19.20	0.40		Limo argilloso grigio scuro poco compatto.						
19.60	2.20		Sabbia fine limosa grigia scuro, poco addensata.						

S.P.T. N.1 (-5.10 m) valori: 5 - 4 - 5

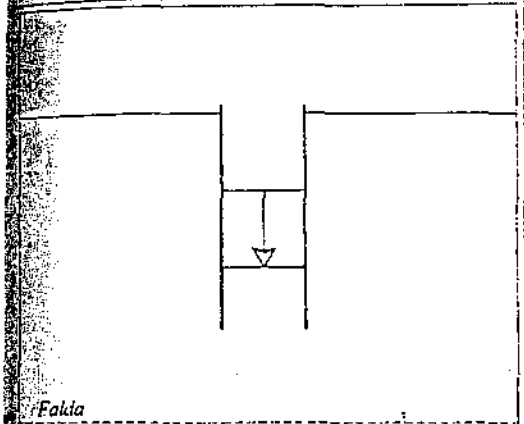
Scala 1:100

Profondità	Potenza	Stratigrafia	Descrizione	Campioni	S.P.T.	Pocket	Piezometro	Falda	Cassetta
21.80	2.20		Sabbia fine limosa grigia scuro, poco addensata.		10 20 30 40	1 2 3 4			
25.00	3.20		Argilla limosa grigio con subia fine, grigio scuro, poco compatto.						6 7

S.P.T. N.1 (-5.10 m) valori: 5 - 4 - 5

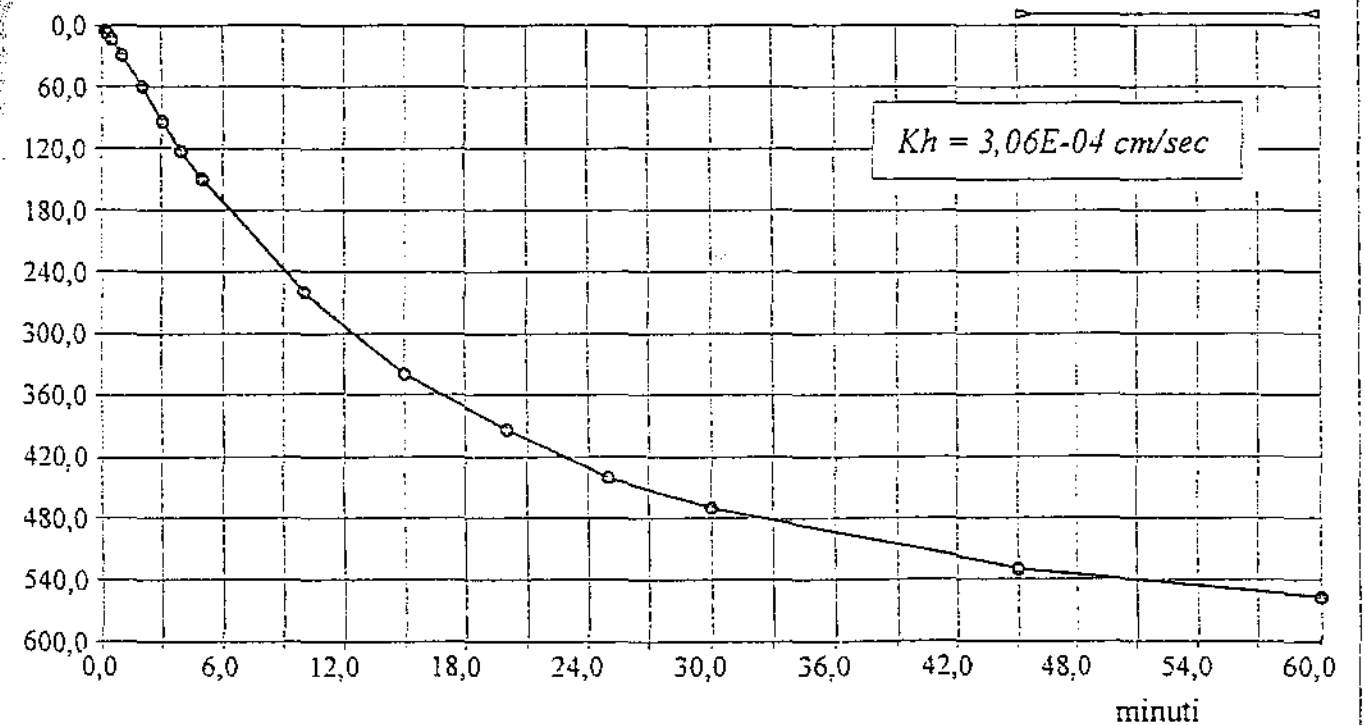
Superficie

Prova in abbassamento	
Livello di base dell'acqua dal p.c. (m	10,10
Livello dell'acqua dal p.c. (m)	3,35
Diametro del tratto di prova (m)	0,101
Profondità del rivestimento (m)	7,50
Profondità del foro (m)	8,10
Spessore del tratto di prova (m)	0,60
Coefficiente di forma	0,60



T min	H cm	dH cm	k cm/sec	T min	H cm	dH cm	k cm/sec
0,0	675,0	0,0					
0,2	670,0	5,0	1,10E-03				
0,3	667,0	8,0	6,66E-04				
0,5	661,0	14,0	1,01E-03				
1,0	645,0	30,0	1,09E-03				
2,0	615,0	60,0	1,06E-03				
3,0	581,0	94,0	1,27E-03				
4,0	552,0	123,0	1,14E-03				
5,0	525,0	150,0	1,12E-03				
10,0	415,0	260,0	1,05E-03				
15,0	335,0	340,0	9,53E-04				
20,0	281,0	394,0	7,82E-04				
25,0	234,0	441,0	8,15E-04				
30,0	205,0	470,0	5,89E-04				
45,0	145,0	530,0	5,14E-04				
60,0	118,0	557,0	3,06E-04				

DIAGRAMMA ABBASSAMENTO - TEMPO



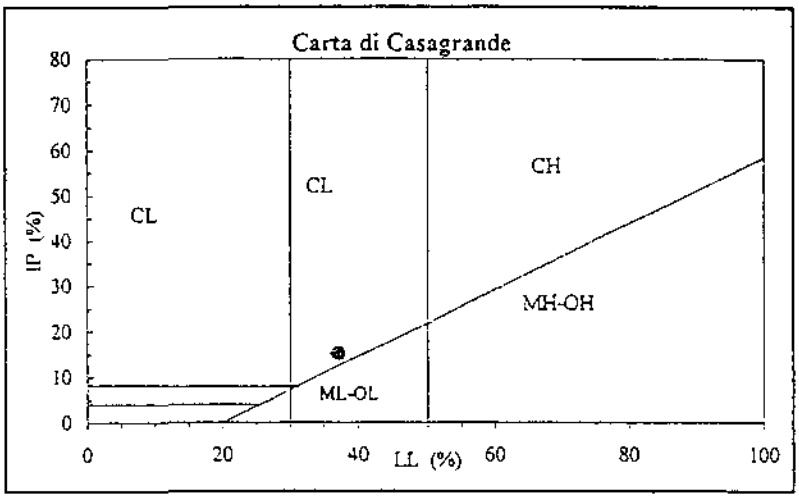
Campione: S3C1	Profondità: 2,0 - 2,5 m

Descrizione: limo argilloso, da poco sabbioso a sabbioso, ocra

LIMITI DI ATTERBERG

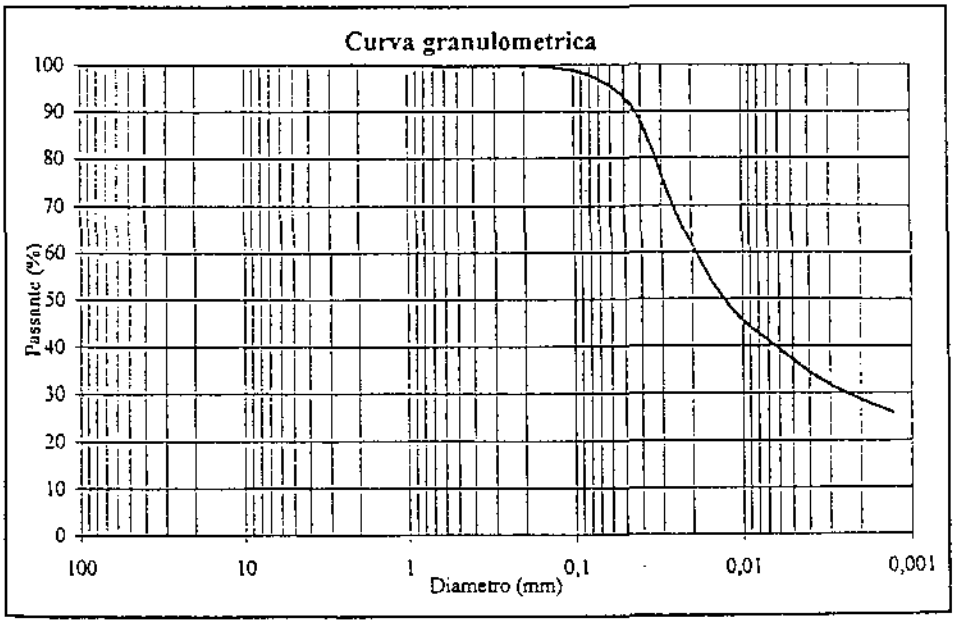
Umidità naturale (Wn) =	21,41%
Limite di liquidità (LL) =	37,0%
Limite di plasticità (LP) =	21,8%
Indice di plasticità (IP) =	15,2%
Indice di consistenza (Ic) =	1,03
Indice di attività (Iatt) =	0,53

CL = argille inorganiche di media plasticità



ANALISI GRANULOMETRICA

Diametro (mm)	Passante (%)	Diametro (mm)	Passante (%)
4,75	100	0,0425	89,72
2,00	99,99	0,0228	65,68
0,850	99,91	0,0122	48,78
0,425	99,81	0,0062	39,82
0,250	99,78	0,0044	35,58
0,150	99,69	0,0032	32,15
0,075	97,35	0,0022	29,41
		0,0013	25,98



Ghiaia	0,02%
Sabbia	6,16%
Limo	65,32%
Argilla	28,50%

Limo con argilla debolmente sabbioso

Prova di permeabilità a carico variabile

K (cm/sec)= 4,30*10-7

Campione: S3C1 **Profondità:** 2,0 - 2,5 m

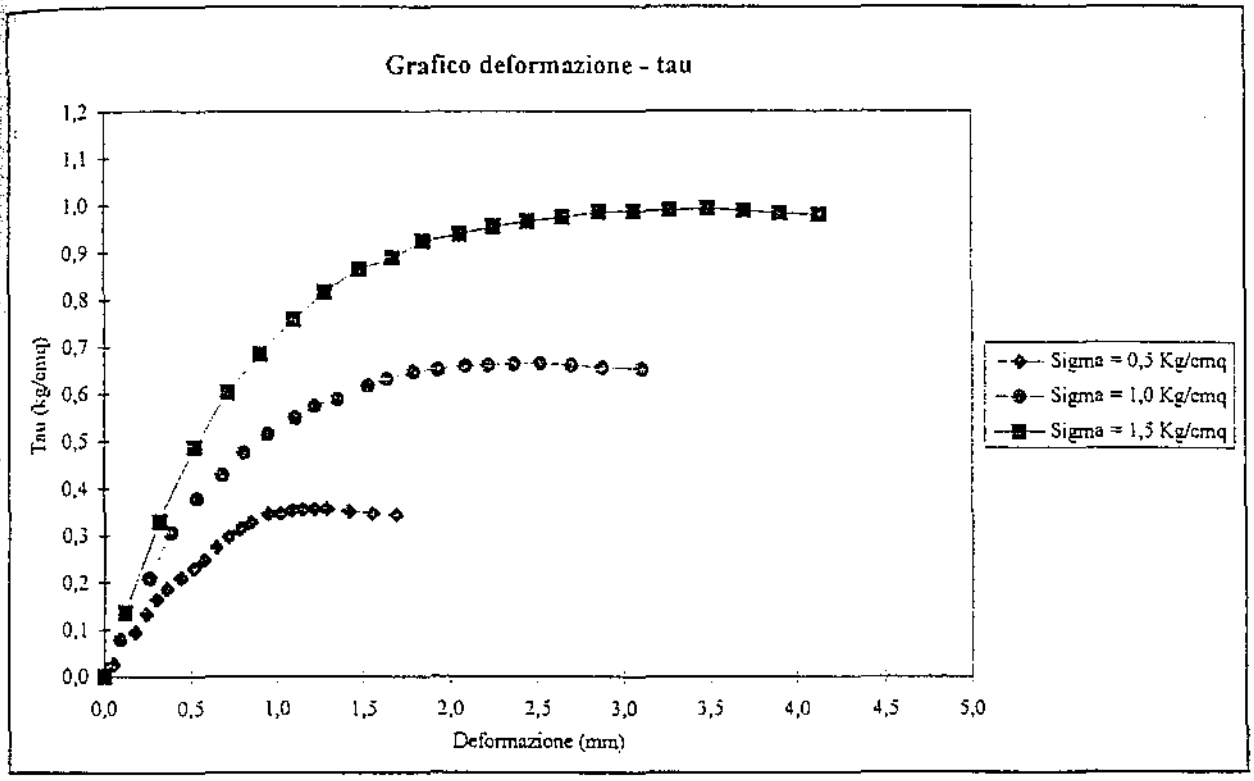
PROVA DI TAGLIO DIRETTO CONSOLIDATA DRENATA

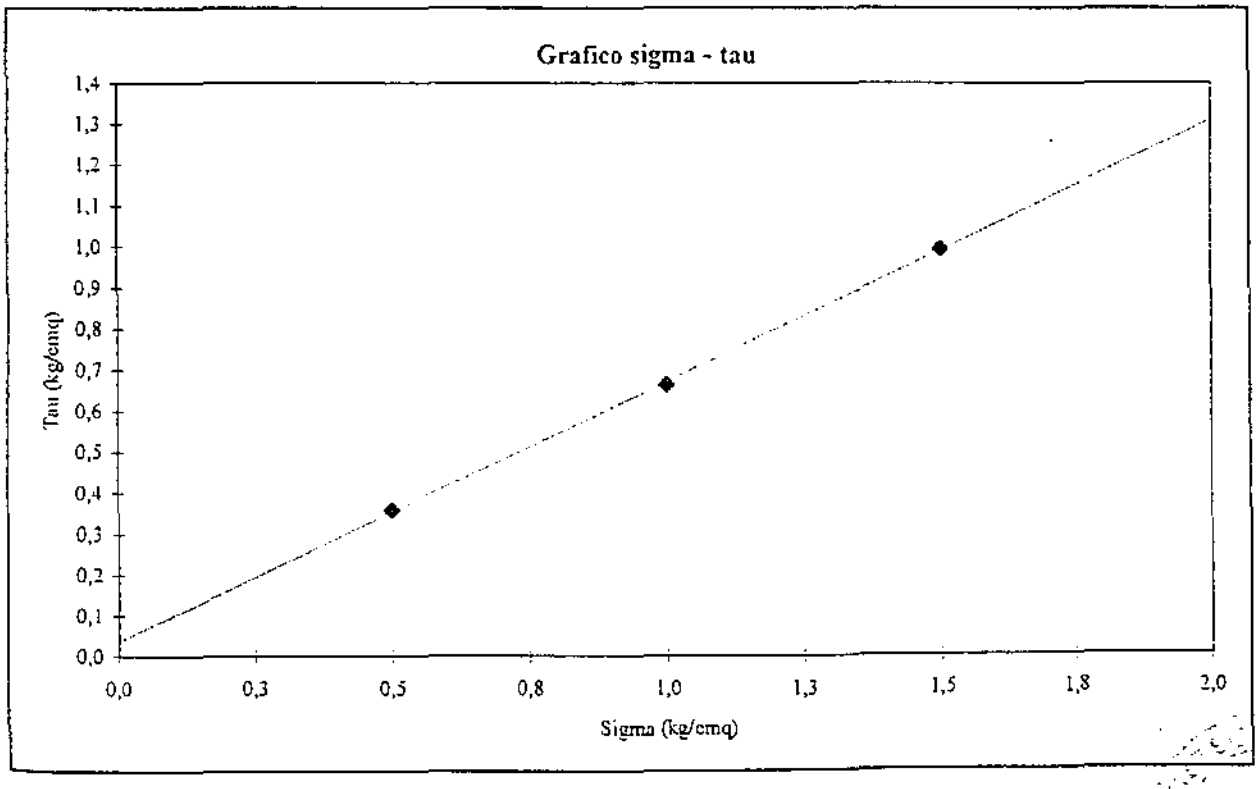
	Provino 1	Provino 2	Provino 3
Peso di volume naturale iniziale (gr/cmc)	1,99	1,98	1,96
Peso di volume naturale finale (gr/cmc)	2,03	2,04	2,05
Peso di volume secco iniziale (gr/cmc)	1,60	1,60	1,58
Peso di volume secco finale (gr/cmc)	1,62	1,64	1,65
Contenuto d'acqua iniziale (%)	24,04	23,89	23,81
Contenuto d'acqua finale (%)	25,18	24,57	23,95
Velocità di deformazione (mm/min.)	0,004	0,004	0,004
Sigma (kg/cmq)	0,5	1	1,5
Tau a rottura (kg/cmq)	0,358	0,665	0,994

Provino 1		Provino 2		Provino 3	
Scorrimento (mm)	Tau (Kg/cmq)	Scorrimento (mm)	Tau (Kg/cmq)	Scorrimento (mm)	Tau (Kg/cmq)
0,05	0,025	0,09	0,079	0,12	0,136
0,18	0,095	0,26	0,209	0,32	0,330
0,24	0,134	0,38	0,306	0,52	0,488
0,30	0,165	0,53	0,379	0,71	0,604
0,36	0,187	0,68	0,430	0,90	0,685
0,44	0,210	0,81	0,477	1,09	0,758
0,51	0,230	0,94	0,516	1,28	0,817
0,57	0,250	1,10	0,550	1,48	0,866
0,64	0,275	1,22	0,574	1,67	0,890
0,71	0,298	1,35	0,590	1,85	0,926
0,78	0,315	1,52	0,618	2,06	0,940
0,84	0,330	1,63	0,633	2,25	0,955
0,94	0,347	1,78	0,647	2,45	0,967
1,01	0,348	1,93	0,652	2,65	0,976
1,08	0,355	2,08	0,661	2,86	0,986
1,14	0,356	2,21	0,662	3,06	0,988
1,21	0,357	2,36	0,664	3,27	0,990
1,28	0,358	2,51	0,666	3,49	0,994
1,41	0,353	2,69	0,661	3,70	0,989
1,54	0,348	2,87	0,656	3,91	0,984
1,68	0,346	3,10	0,654	4,13	0,981

$C = 0,04$ kg/cmq $\varphi = 32,5°$

Campione: S3C1	Profondità: 2,0 - 2,5 m



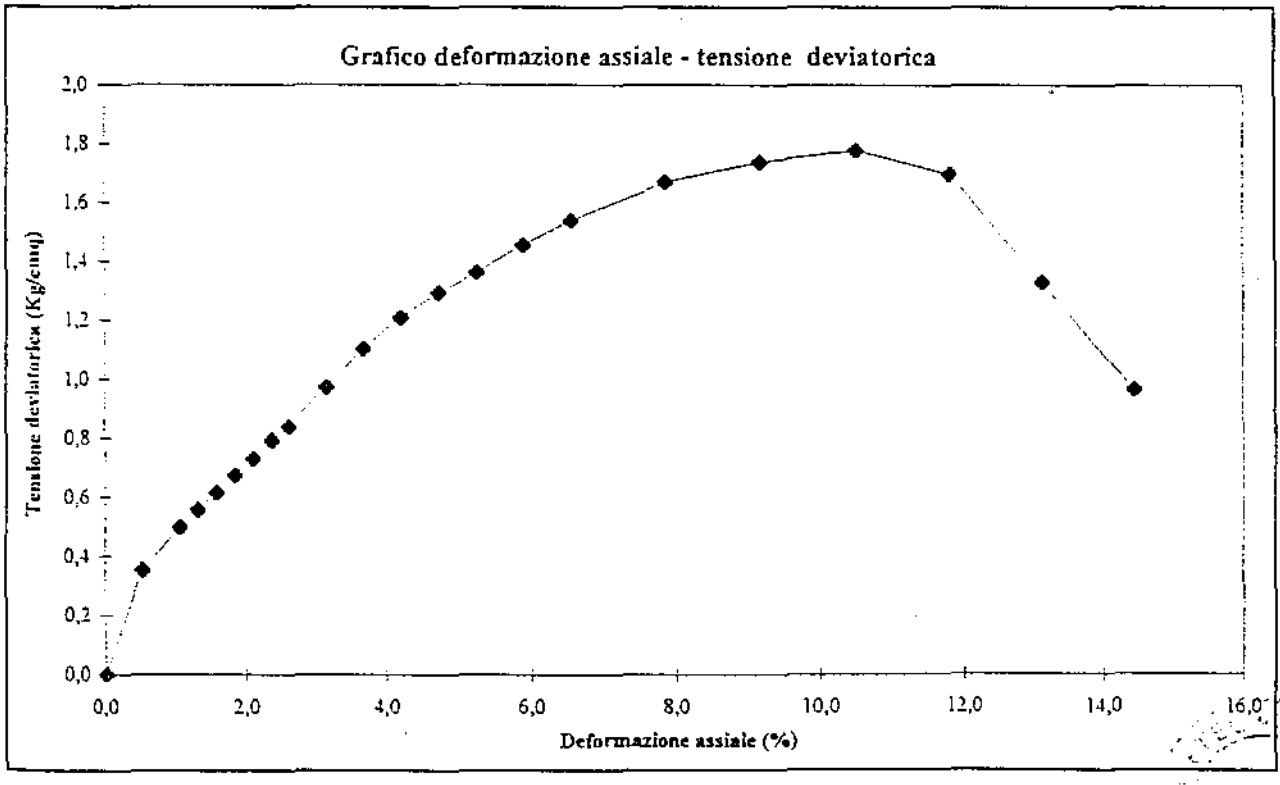


Campione: S3C1	Profondità: 2,0 - 2,5 m

PROVA DI ESPANSIONE LATERALE LIBERA

Peso volume naturale (gr/cmq)	1,99
Peso volume secco (gr/cmq)	1,63
Contenuto d'acqua (%)	21,97
Vel. def. (mm/min)	1,27
Sigma a rottura (Kg/cmq)	1,779
Coesione non drenata (Kg/cmq)	0,89
Modulo elastico tangente iniziale (kg/cmq)	45,9

ε (%)	σ (kg/cmq)
0,53	0,354
1,05	0,497
1,31	0,557
1,58	0,616
1,84	0,675
2,10	0,730
2,36	0,792
2,63	0,839
3,15	0,973
3,68	1,105
4,20	1,210
4,73	1,295
5,25	1,364
5,91	1,457
6,56	1,540
7,88	1,671
9,19	1,738
10,50	1,779
11,81	1,698
13,13	1,331
14,44	0,968



Campione: S3C1	Profondità: 2,0 - 2,5 m

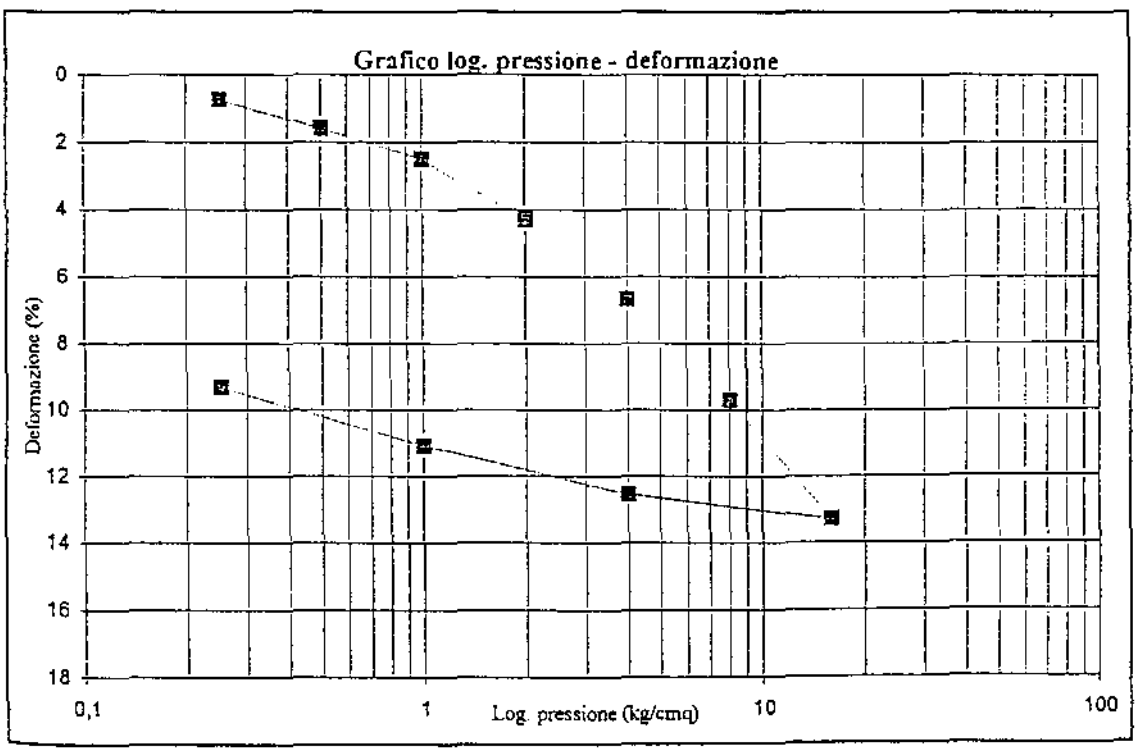
PROVA EDOMETRICA

	Iniziale	Finale
Altezza (mm)	19,802	17,956
Volume (cmc)	39,667	35,969
Peso di volume naturale (gr/cmc)	1,98	2,15
Peso di volume secco (gr/cmc)	1,60	1,77
Contenuto d'acqua (%)	23,55	21,86

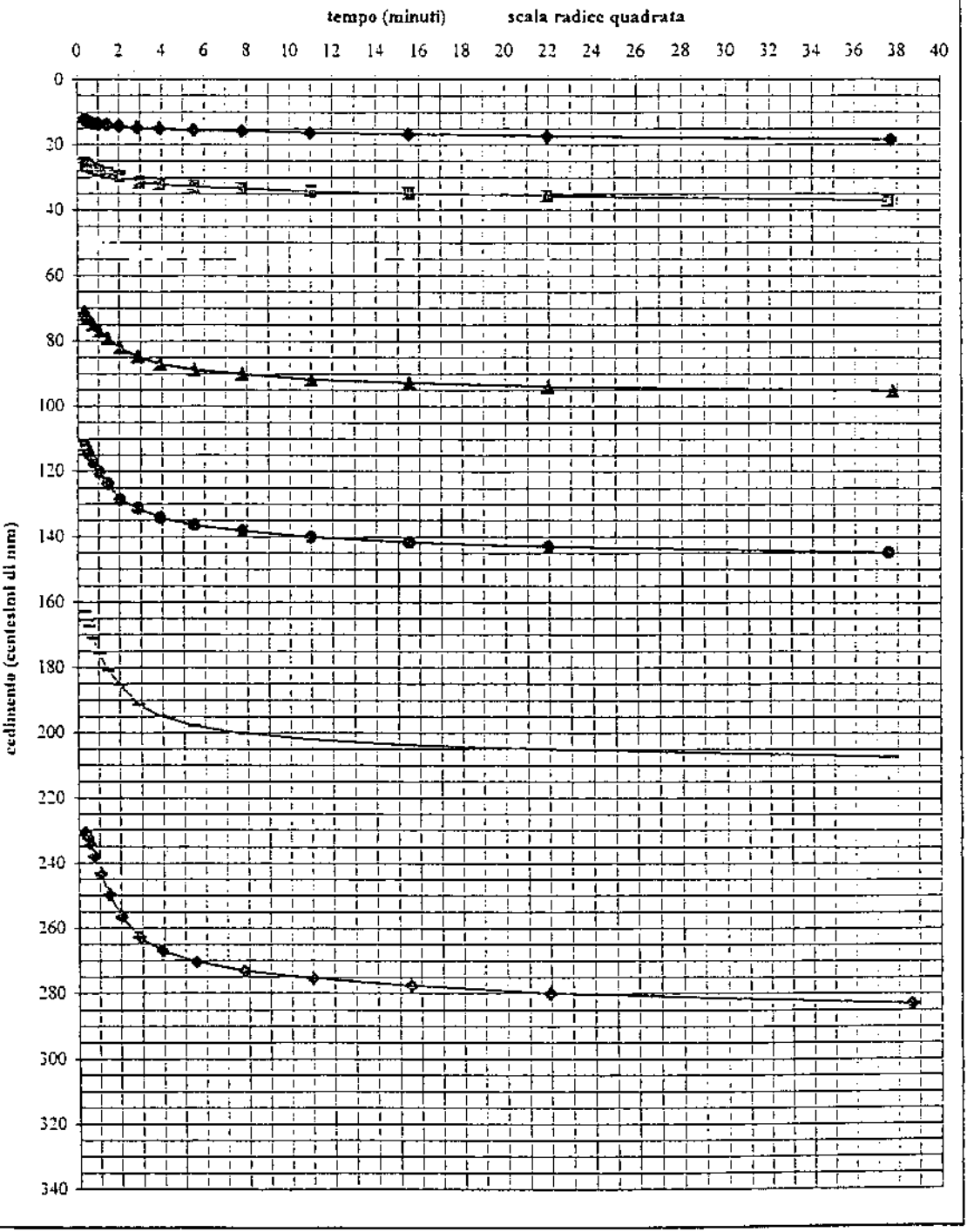
Pressione (kg/cmq)	Deformazione (%)	Mv (cmq/kg)	Cv (cmq/sec)		K (cm/sec)	
0,25	0,750	--	1,6463	x 10^{-2}	--	
0,5	1,601	0,03404	1,3180	x 10^{-2}	4,4861	x 10^{-7}
1	2,507	0,01813	1,3347	x 10^{-2}	2,4197	x 10^{-7}
2	4,292	0,01785	7,039	x 10^{-3}	1,2566	x 10^{-7}
4	6,666	0,01187	4,864	x 10^{-3}	5,773	x 10^{-8}
8	9,699	0,00758	3,833	x 10^{-3}	2,906	x 10^{-8}
16	13,292	0,00449	2,222	x 10^{-3}	9,98	x 10^{-9}
4	12,527	--	--		--	
1	11,082	--	--		--	
0,25	9,322	--	--		--	

In riferimento alla curva log. pressione / deformazione:

RR (rapporto di ricompressione) :	0,02919
CR (rapporto di compressione) :	0,11005
SR (rapporto di rigonfiamento) :	0,02218



Campione: S3C1 Profondità: 2,0 - 2,5 m



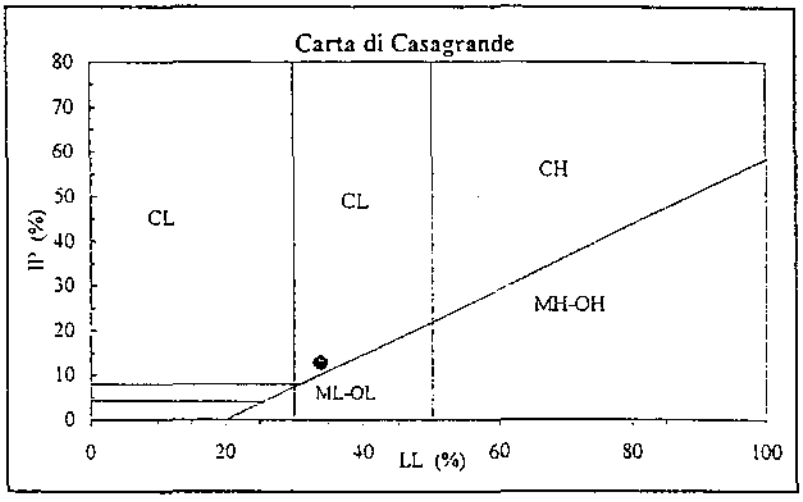
Campione: S3C2	Profondità: 14,5 - 15,0 m

Descrizione: limo argilloso sabbioso, con livelli limo sabbiosi, grigio turchino con chiazze nerastre

LIMITI DI ATTERBERG

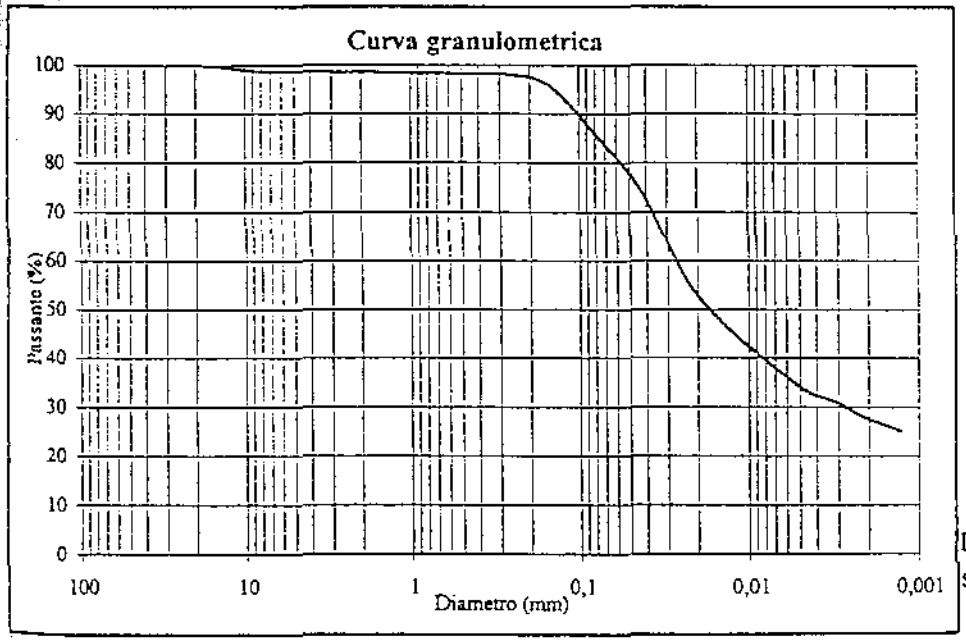
Umidità naturale (Wn) =	26,12%
Limite di liquidità (LL) =	33,7%
Limite di plasticità (LP) =	21,0%
Indice di plasticità (IP) =	12,7%
Indice di consistenza (Ic) =	0,60
Indice di attività (Iatt) =	0,46

CL = argille inorganiche di media plasticità



ANALISI GRANULOMETRICA

Diametro (mm)	Passante (%)	Diametro (mm)	Passante (%)
19,50	100	0,0429	74,35
9,00	98,91	0,0228	55,48
4,75	98,71	0,0121	44,91
2,00	98,56	0,0062	36,50
0,850	98,34	0,0044	32,91
0,425	98,18	0,0031	31,19
0,250	98,02	0,0022	28,20
0,150	95,63	0,0013	25,27
0,075	84,74		



Ghiaia	1,44%
Sabbia	18,68%
Limo	52,42%
Argilla	27,46%

Limo con argilla sabbioso

Prova di permeabilità a carico variabile

K (cm/sec)= 3,24*10-7

Campione: S3C2	Profondità: 15,5 - 16,0 m

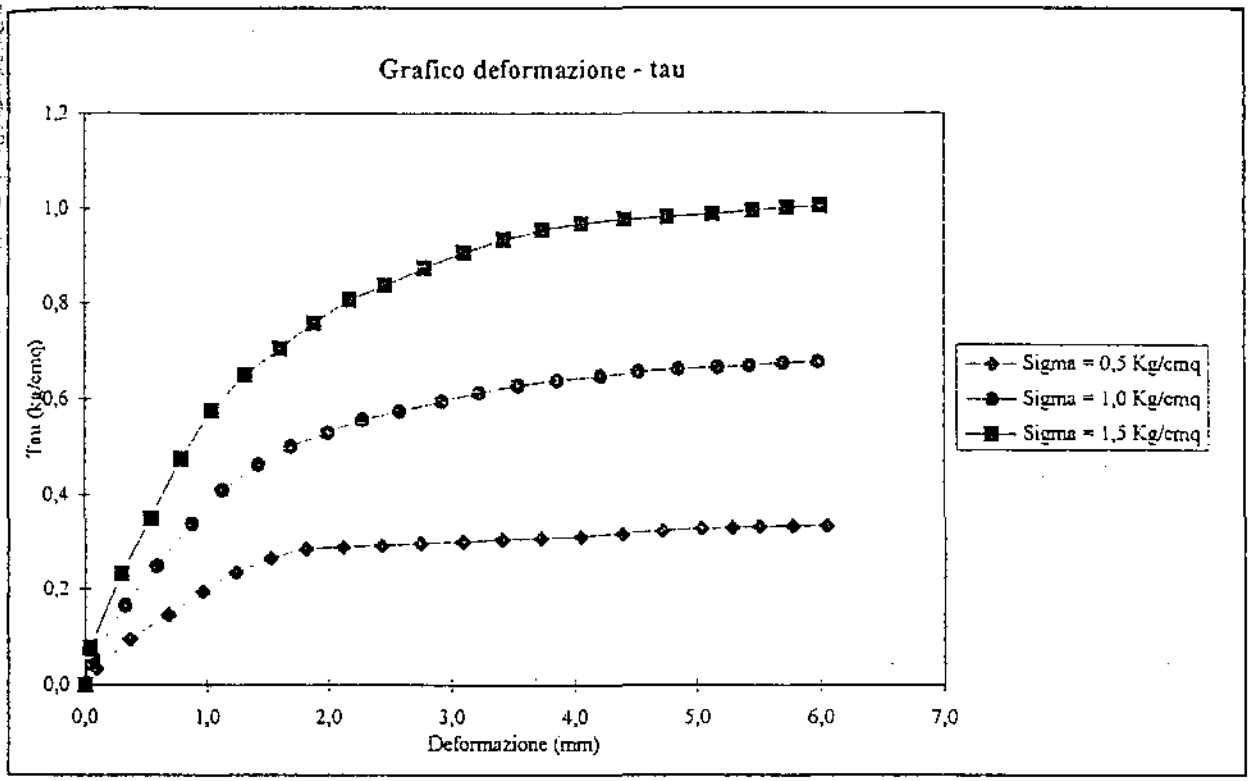
PROVA DI TAGLIO DIRETTO CONSOLIDATA DRENATA

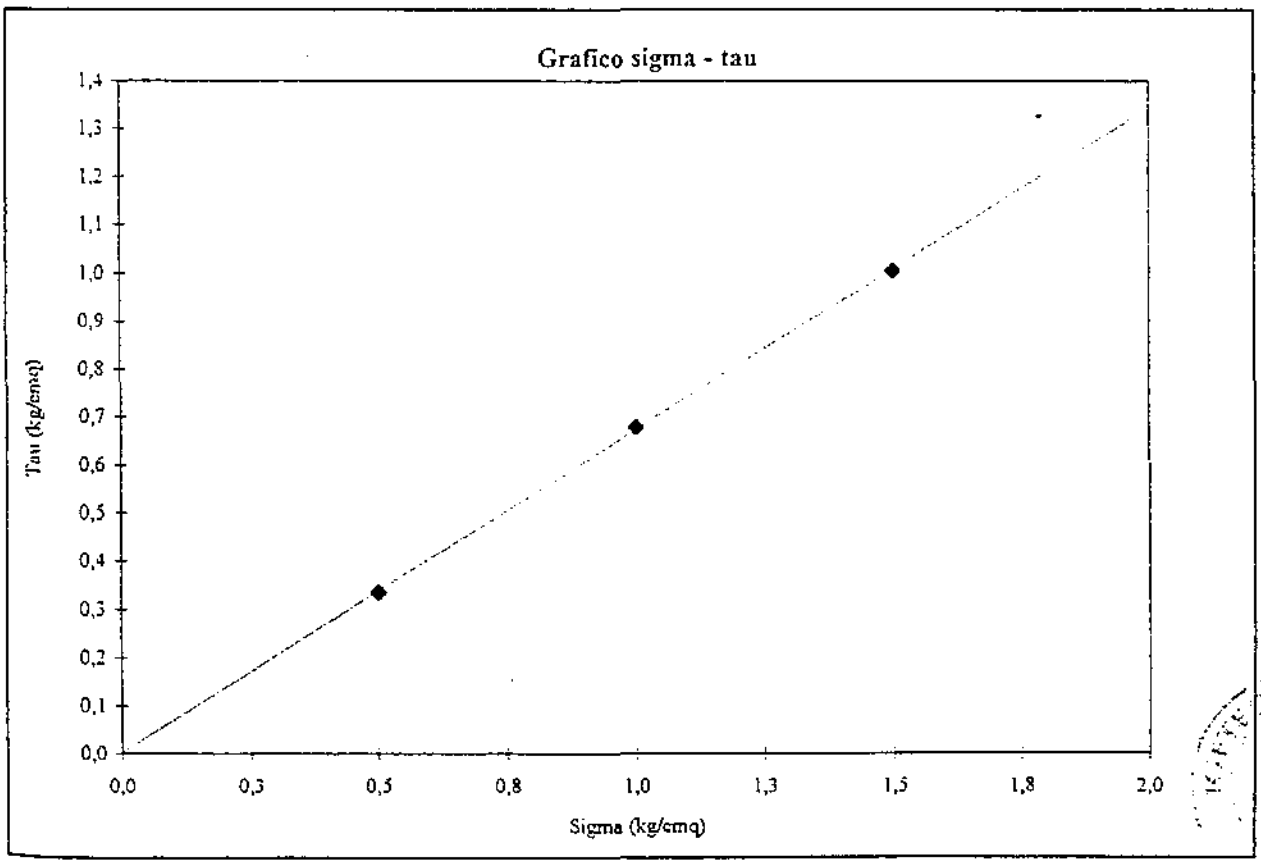
	Provino 1	Provino 2	Provino 3
Peso di volume naturale iniziale (gr/cmc)	1,93	1,93	1,92
Peso di volume naturale finale (gr/cmc)	1,92	1,98	2,04
Peso di volume secco iniziale (gr/cmc)	1,46	1,46	1,45
Peso di volume secco finale (gr/cmc)	1,51	1,56	1,61
Contenuto d'acqua iniziale (%)	32,00	32,13	32,25
Contenuto d'acqua finale (%)	27,20	26,87	26,53
Velocità di deformazione (mm/min.)	0,004	0,004	0,004
Sigma (kg/cmq)	0,5	1,0	1,5
Tau a rottura (kg/cmq)	0,336	0,678	1,006

Provino 1		Provino 2		Provino 3	
Scorrimento (mm)	Tau (Kg/cmq)	Scorrimento (mm)	Tau (Kg/cmq)	Scorrimento (mm)	Tau (Kg/cmq)
0,09	0,035	0,06	0,056	0,04	0,077
0,37	0,096	0,33	0,166	0,30	0,232
0,68	0,146	0,59	0,250	0,54	0,349
0,96	0,195	0,87	0,338	0,79	0,474
1,23	0,236	1,12	0,409	1,04	0,575
1,52	0,266	1,42	0,462	1,31	0,649
1,81	0,286	1,69	0,500	1,60	0,704
2,11	0,290	1,99	0,529	1,88	0,758
2,42	0,294	2,27	0,556	2,17	0,807
2,74	0,297	2,57	0,574	2,46	0,839
3,08	0,301	2,92	0,594	2,78	0,875
3,40	0,305	3,22	0,612	3,10	0,907
3,72	0,309	3,53	0,628	3,42	0,934
4,04	0,313	3,85	0,639	3,74	0,952
4,38	0,319	4,21	0,648	4,06	0,964
4,71	0,326	4,51	0,657	4,41	0,976
5,03	0,330	4,85	0,662	4,76	0,982
5,28	0,331	5,17	0,666	5,13	0,988
5,50	0,333	5,43	0,670	5,46	0,995
5,77	0,334	5,70	0,674	5,74	1,001
6,04	0,336	5,98	0,678	6,00	1,006

$C = 0$ $\varphi = 33,8°$

Campione: S3C2	Profondità: 15,5 - 16,0 m



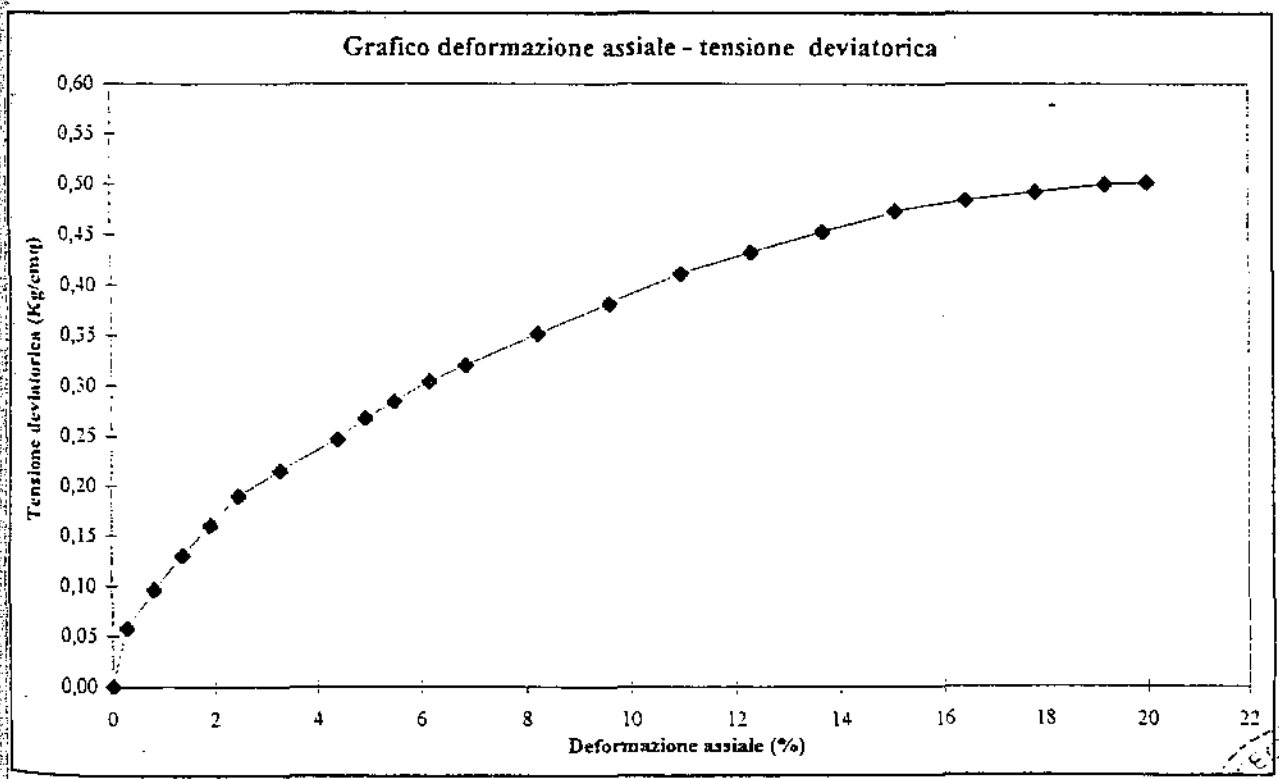


Campione: S3C2	Profondità: 14,5 - 15,0 m

PROVA DI ESPANSIONE LATERALE LIBERA

Peso volume naturale (gr/cmq)	1,93
Peso volume secco (gr/cmq)	1,47
Contenuto d'acqua (%)	31,41
Vel. def. (mm/min)	1,27
Sigma a rottura (Kg/cmq)	0,501
Coesione non drenata (Kg/cmq)	0,25
Modulo elastico	
tangente iniziale (kg/cmq)	8,31

ε (%)	σ (kg/cmq)
0,27	0,057
0,82	0,096
1,37	0,130
1,92	0,160
2,47	0,190
3,29	0,215
4,39	0,246
4,94	0,267
5,49	0,284
6,17	0,304
6,86	0,320
8,23	0,352
9,60	0,382
10,97	0,411
12,35	0,432
13,72	0,452
15,09	0,472
16,46	0,484
17,83	0,492
19,20	0,500
20,00	0,501



Campione: S3C2	Profondità: 14,5 - 15,0 m

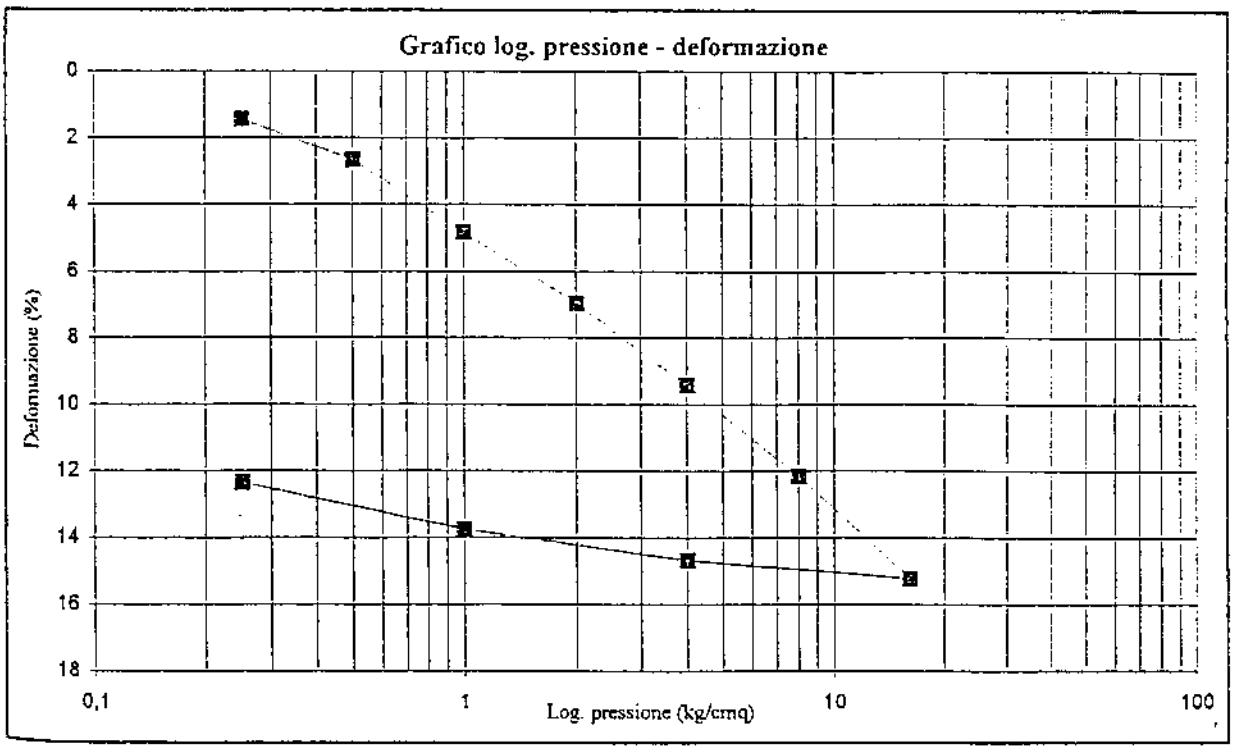
PROVA EDOMETRICA

	Iniziale	Finale
Altezza (mm)	19,916	17,455
Volume (cmc)	39,948	35,011
Peso di volume naturale (gr/cmc)	1,99	2,14
Peso di volume secco (gr/cmc)	1,57	1,79
Contenuto d'acqua (%)	26,62	19,44

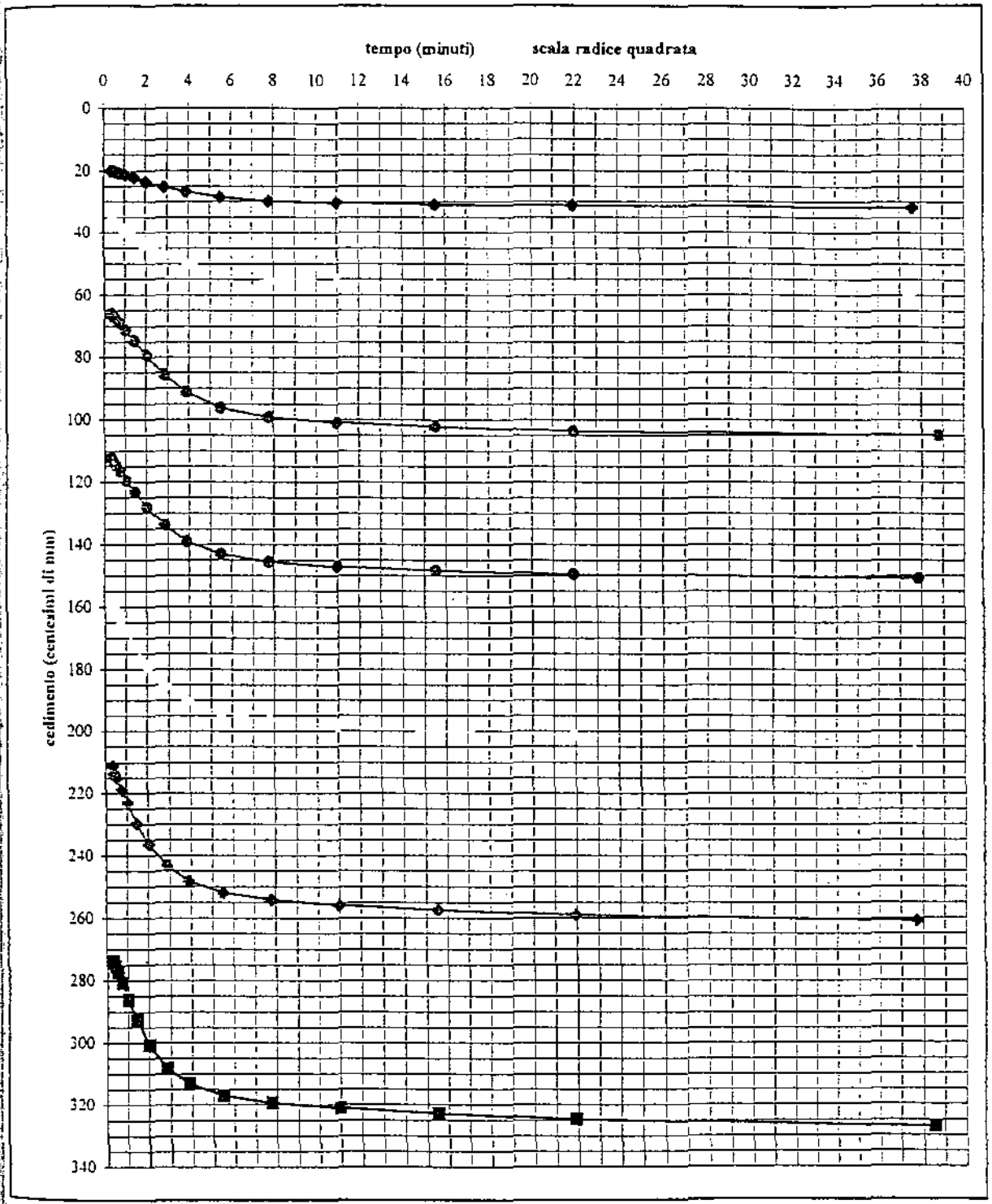
Pressione (kg/cmq)	Deformazione (%)	Mv (cmq/kg)	Cv (cmq/sec)		K (cm/sec)	
0,25	1,441	--	1,073	x 10^{-3}	--	
0,5	2,659	0,04870	1,991	x 10^{-3}	9,699	x 10^{-8}
1	4,818	0,04318	8,48	x 10^{-4}	3,663	x 10^{-8}
2	6,974	0,02157	1,421	x 10^{-3}	3,064	x 10^{-8}
4	9,432	0,01229	2,042	x 10^{-3}	2,510	x 10^{-8}
8	12,156	0,00681	1,923	x 10^{-3}	1,310	x 10^{-8}
16	15,226	0,00384	1,988	x 10^{-3}	7,63	x 10^{-9}
4	14,677	--	--		--	
1	13,758	--	--		--	
0,25	12,357	--	--		--	

In riferimento alla curva log. pressione / deformazione:

RR (rapporto di ricompressione) :	0,05609
CR (rapporto di compressione) :	0,09624
SR (rapporto di rigonfiamento) :	0,01583



Campione: S3C2 Profondità: 14,5 - 15,0 m



REGIONE TOSCANA
GENIO CIVILE
VALDARNO INFERIORE E COSTA

L.R. 28 Dicembre 2015 n. 80

MANUTENZIONE STRAORDINARIA DELLE ARGINATURE DEL FIUME ARNO A PONTEDERA (PI)

PROGETTO DEFINITIVO

ELABORATO :

ALL.2

ANALISI PENETROMETRICHE CPTU

Revisione n.	data	note di revisione	

Il Responsabile Unico del Procedimento
Ing. Francesco Pistone

Progettisti:

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nome file:

Pisa, Giugno 2022

COMUNE DI PONTEDERA (PI)

PROVE PENETROMETRICHE STATICHE (CPTU)

RAPPORTO DI INDAGINE

COMMITTENTE: H.S. Ingegneria s.r.l.

APRILE 2022

Argine Arno – Pontedera (PI)

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ALLEGATI FUORI TESTO

All. 1 - ELABORAZIONI PROVE PENETROMETRICHE STATICHE (CPTU)

1 - PREMESSA

La presente relazione sintetizza ed illustra i risultati di n. 8 indagini geognostiche in situ finalizzate alla caratterizzazione del terreno, effettuate in provincia di Pisa nel territorio comunale di Pontedera ed in particolare in corrispondenza dell'argine del fiume Arno (Figura 1).

Figura 1 UBICAZIONE INDAGINI GEOGNOSTICHE

In particolare, nell'area oggetto di studio sono state eseguite le seguenti indagini:

- n° 8 Prove penetrometriche statiche con punta elettrica e piezocono (CPTU).

2 - GENERALITA' SULLE PROVE PENETROMETRICHE STATICHE (CPTU)

La prova denominata C.P.T.U. o prova penetrometrica statica elettrica con piezocono, consiste nella misura della spinta necessaria (indicata come Rp o Qc) ad ottenere l'avanzamento nel terreno di una punta standard (3.57 cm di diametro, angolo al vertice di 60°) a velocità costante di 20 mm/s (± 5 mm/s).

La prova viene eseguita misurando la pressione alla punta e lo sforzo tangenziale laterale in modo fra loro indipendente con trasduttori elettrici che inviano un segnale ad una centralina posta in superficie, in maniera continuativa secondo intervalli di 1 cm.

Il metodo consente quindi di misurare direttamente l'attrito tra un manicotto di 150 cm^2 di superficie laterale ed il terreno, ottenendo così valori indicativi delle caratteristiche tessiturali dei materiali attraversati.

La punta elettrica è inoltre munita di setto poroso o anello in acciaio sinterizzato (da sottoporre a saturazione), consentendo quindi di misurare le pressioni interstiziali generate durante l'avanzamento. Completano la dotazione un sensore inclinometrico per monitorare l'inclinazione della batteria di aste ed un encoder di profondità che si occupa della misura della velocità di avanzamento e della quota di acquisizione.

Con questa tecnica si possono chiaramente distinguere i terreni che offrono resistenza prevalentemente per effetto della coesione tra i minerali (terreni argillosi s.l.) da quelli nei quali la resistenza alla deformazione è in prevalenza offerta dall'attrito tra i granuli (comportamento incoerente, terreni sabbiosi s.l.). Il valore FR (Friction Ratio) definisce appunto tale misura, come rapporto tra la resistenza di punta Qc e la resistenza di attrito sul manicotto Rl o Fs (detta resistenza di attrito laterale locale).

Figura 2 INDAGINE PENETROMETRICA CPTU-1 ESEGUITA SUL SITO

Figura 3 INDAGINE PENETROMETRICA CPTU-2 ESEGUITA SUL SITO

Figura 4 INDAGINE PENETROMETRICA CPTU-3 ESEGUITA SUL SITO

Figura 5 INDAGINE PENETROMETRICA CPTU-4 ESEGUITA SUL SITO

Figura 6 INDAGINE PENETROMETRICA CPTU-5 ESEGUITA SUL SITO

Figura 7 INDAGINE PENETROMETRICA CPTU-6 ESEGUITA SUL SITO

Figura 8 INDAGINE PENETROMETRICA CPTU-7 ESEGUITA SUL SITO

Figura 9 INDAGINE PENETROMETRICA CPTU-8 ESEGUITA SUL SITO

I vantaggi rispetto a metodologie meccaniche (indubbiamente meno precise e sofisticate) sono innanzitutto legati alla precisione e linearità della misura, con la particolare sensibilità dei sensori (0.005 Mpa) che rappresenta una caratteristica fondamentale nel rilievo dei valori di resistenza di materiali molto soffici (torbe, sabbie o limi molto sciolti, ecc.): la linearità garantisce inoltre che i valori letti siano affidabili in tutto il "range" di misura dello strumento.

Interrompendo temporaneamente l'infissione e graficando l'andamento della sovrappressione in funzione del tempo si ottiene la cosiddetta "curva di dissipazione" della pressione, il cui esame fornisce utili indicazioni sui parametri di compressibilità e di permeabilità dei terreni investigati. Tale prova tuttavia non è stata richiesta nell'ambito di questo progetto.

Nel caso in esame le prove sono state eseguite con penetrometro statico-dinamico PAGANI TG 63-200, impiegato in configurazione statica e punta elettrica di tipo "Pagani MKS" attrezzato con sensori con le seguenti caratteristiche:

Sensore	*Fondo scala*	*Risoluzione*	*Precisione*
QC	50 – 100 MPa	24 bit	0.005 MPa
FS	1600 kPa	24 bit	0.04 kpa
U2	2500 kPa	24 bit	0.04 kPa
TILT	20°	12 bit	0.5°

Punta conica

- Angolo al vertice 60°
- Diametro 35.8 mm
- Sezione 10 cm^2

Manicotto di frizione

- Diametro 35.8 mm
- Lunghezza 133 mm
- Superficie 150 cm^2

Negli allegati fuori testo (tabelle e diagrammi delle prove) sono riportati i valori della resistenza alla punta (Rp), della resistenza laterale (Rl).

Fatte le dovute correlazioni di tipo empirico, è possibile ricavare una stima di massima dei principali parametri geomeccanici (angolo di attrito, resistenza al taglio, coefficiente di compressibilità, ecc.) nonché un'indicazione della stratigrafia basata sul rapporto fra le resistenze in gioco, tenendo comunque presente che non è possibile sintetizzare le procedure di stima dei parametri geotecnici, i limiti e le caratteristiche di affidabilità di ciascuna delle procedure adottate.

Per la comprensione esaustiva dei procedimenti occorre difatti rimandare alle seguenti pubblicazioni:

- *Kulhawy, F.H. and Mayne, P.W. 1990. Manual on estimating soil properties for foundation design. Report EL-6800, Electric Power Research Institute, Palo Alto, 306 p.*
- *Mesri, G., D.O.K. Lo, and T.W. Feng. "Settlement of Embankments on Soft Clays." Keynote Lecture, Settlement '94, Texas A&M University, College Station, Texas, Geotechnical Special Publication 40, 1, June 1994, pp. 8-56.*
- *Mesri, G. and M. Shahien. "Prediction of Settlement of Footings on Sand." Prediction Symposium, Geotechnical Special Publication 41, ASCE, (June 1994): pp. 188-191*
- *T. Lunne, P.K. Robertson and J.J.M. Powell, Cone Penetration testing in Geotechnical Practice, Taylor & Francis Group Spon Press (London, Jan 1997);*
- *Eurocode 7 - Designers' Guide to EN 1997-1: Geotechnical design - General rules, R Frank, C Bauduin, R Driscoll, M Kavvadas, N Krebs Ovesen, T Orr and B Schuppener;*
- *National Cooperative Highway Research Program - NCHRP Synthesis 368 Cone Penetration Testing, a Synthesis of Highway Practice – Consultant Paul W. Mayne Georgia Institute of Technology Atlanta, Georgia, Washington D.C., 2007;*
- *Can. Geotech. J. 46: 1337–1355 (2009) Interpretation of cone penetration tests — a unified approach. P.K. Robertson;*
- *Gregg Drilling & Testing Inc. Guide to Cone Penetration Testing for Geotechnical Engineering By P. K.*

3 – CONCLUSIONI

Le prove penetrometriche hanno permesso di ricavare i principali parametri geomeccanici del terreno investigato.

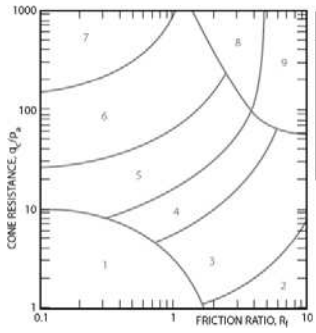
A seguire si riporta una tabella di sintesi delle specifiche tecniche delle prove eseguite:

Prova n°	Data di esecuzione	Certificato	Profondità (m)	Falda (m)	Coordinate geografiche WGS84	
					Long.	Lat.
1	27.04.2022	CPTU(g) 1-20220427-A	10.00	NR	E10° 38.160'	N43° 40.014'
2	27.04.2022	CPTU(g) 2-20220427-A	10.00	NR	E10° 38.191'	N43° 40.093'
3	27.04.2022	CPTU(g) 3-20220427-A	10.00	NR	E10° 38.237'	N43° 40.210'
4	27.04.2022	CPTU(g) 4-20220427-A	10.00	8.87	E10° 38.268'	N43° 40.287'
5	27.04.2022	CPTU(g) 5-20220427-A	10.00	8.88	E10° 38.299'	N43° 40.367'
6	28.04.2022	CPTU(g) 6-20220428-A	10.00	NR	E10° 38.362'	N43° 40.474'
7	28.04.2022	CPTU(g) 7-20220428-A	10.00	NR	E10° 38.418'	N43° 40.542'
8	28.04.2022	CPTU(g) 8-20220428-A	10.00	NR	E10° 38.473'	N43° 40.607'

La falda, misurata direttamente in foro, è risultata attestarsi intorno a 8.87 m dal piano campagna per la prova CPTU-4 ed intorno a 8.88 m dal piano campagna per la prova CPTU-5. Non è stata invece rilevata la presenza di falda acquifera per le altre prove effettuate.

Per favorire la comprensione dei valori rilevati (semplici e normalizzati) e dei parametri geotecnici derivati, determinati questi ultimi con relazioni fondamentalmente empiriche (riportate in allegato fuori testo), si fornisce una legenda e brevi commenti sulle caratteristiche dei singoli parametri:

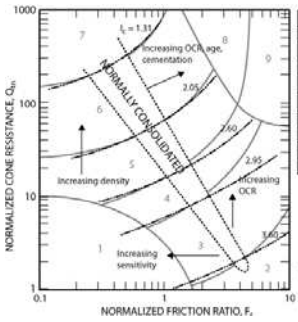
- R_P (o Q_C) = resistenza alla punta del cono.
- R_L (o F_S) = resistenza laterale al manicotto della punta.
- Q_t = resistenza del cono corretta = $Q_C + u_2 (1-a)$ dove "a" è un valore determinato in laboratorio sulla specifica punta impiegata (di norma da 0.7 a 0.85) ed u_2 la misura della pressione neutra ottenuta dalle prove CPTu.
- Friction Ratio, FR = il rapporto espresso in termini percentuali tra la resistenza del manicotto di frizione Rl e la resistenza corretta del cono Q_t. FR = (R_L/Q_t) x 100%.
- Pore pressure u = pressione dei pori (o pressione interstiziale) misurata durante l'infissione. Quando l'elemento poroso che permette la misura è posto dietro il cono la lettura è indicata come u_2, mentre quando è collocata sulla punta è indicata come u_1.
- SBT – SBTn = Soil Behavior Type e Soil Behavior Type Normalized. Il tipo di terreno riconoscibile dai valori di prova è determinato mediante confronto dei valori di misura semplici o normalizzati, in funzione dello stato di sforzo totale verticale dei terreni alla quota della misura (σ_{v0}), con grafici predisposti che individuano vari ambiti di appartenenza dei valori letti, ovvero il tipo di comportamento prevalente del terreno (v. figure sottostanti).



Zone	Soil Behavior Type
1	Sensitive, fine grained
2	Organic soils - clay
3	Clay – silty clay to clay
4	Silt mixtures – clayey silt to silty clay
5	Sand mixtures – silty sand to sandy silt
6	Sands – clean sand to silty sand
7	Gravelly sand to dense sand
8	Very stiff sand to clayey sand*
9	Very stiff fine grained*

* Heavily overconsolidated or cemented
P_a = atmospheric pressure = 100 kPa

CPT Soil Behavior Type (SBT) chart
(Robertson et al., 1986, updated by Robertson, 2010).



Zone	Soil Behavior Type	I_c
1	Sensitive, fine grained	N/A
2	Organic soils – clay	> 3.6
3	Clays – silty clay to clay	2.95 – 3.6
4	Silt mixtures – clayey silt to silty clay	2.60 – 2.95
5	Sand mixtures – silty sand to sandy silt	2.05 – 2.6
6	Sands – clean sand to silty sand	1.31 – 2.05
7	Gravelly sand to dense sand	< 1.31
8	Very stiff sand to clayey sand*	N/A
9	Very stiff, fine grained*	N/A

* Heavily overconsolidated or cemented

Normalized CPT Soil Behavior Type (SBT_N) chart, Q_t - F
(Robertson, 1990, Robertson, 2010).

Il valore Ic (detto Indice del SBT) deriva da tali grafici e rappresenta il raggio dei cerchi essenzialmente concentrici che formano i limiti degli ambiti omogenei dei terreni sul grafico. Operando con valori normalizzati:

$$Ic = \sqrt{(logFR + 1.22)^2 + (logQtn - 3.47)^2}$$

- Q_{tn} = resistenza penetrometrica normalizzata (adimensionale) = $((Q_t-\sigma_{v0})/P_{a2}) * (P_a/\sigma'_{v0})^n$,

e n (esponente della tensione) = 0.381 (Ic) + 0.05 (σ'_{v0}/P_a) - 0.15 con n ≤ 1, P_{a2} e P_a pressioni di riferimento nelle medesime unità di σ_{vo} e σ'_{vo} che a loro volta rappresentano la tensione geostatica totale ed efficace. Il valore di Ic è ottenuto mediante procedura iterativa finché la variazione di n è minore di 0.01. L'esponente n varia tipicamente tra 0.5 in sabbie pulite a 1.0 in terreni argillosi.

- FR = rapporto di frizione normalizzato, in % = $(R_L/(Q_C - \sigma_{v0})) \times 100$.

Se l'esponente n = 1, il rapporto di frizione normalizzato è FR = $(R_L/(Q_t - \sigma_{v0})) \times 100$ e $Q_{tn} = Q_t = (Q_t-\sigma_{v0})/ \sigma'_{v0}$. Nelle procedure di calcolo tale parametro è indicato come Q_{t1} dove l'indice 1 è utilizzato per precisare che l'esponente impiegato è pari a 1.

Per la caratterizzazione dei terreni si è quindi fatto riferimento al diagramma logaritmico di Robertson (1990), avente in ascissa il rapporto d'attrito normalizzato adimensionale (FR) e in ordinata la resistenza di punta normalizzata adimensionale (Q_{tn}).

Il diagramma è diviso in 9 zone cui corrispondono altrettante classi di terreno:

Indice terreno	Zona	Descrizione	Comportamento
	9	Terreni fini	Fortemente sovraconsolidato o cementato
	8	Sabbia addensata/Sabbia argillosa	
Ic < 1.31	7	Sabbia ghiaiosa	Incoerente
1.31 < Ic < 2.05	6	Sabbia	
2.05 < Ic < 2.60	5	Limo sabbioso - Sabbia limosa	Misto
2.6 < Ic < 2.95	4	Argilla limosa - Limo argilloso	
2.95 < Ic < 3.60	3	Argilla	Coesivo
Ic > 3.6	2	Suolo organico - Torba	
	1	Terreni sensitivi	

Figura 10 INDICE DEL TIPO DI TERRENO UTILIZZATO PER LA CARATTERIZZAZIONE DEL SITO

Si riportano in allegato le carte di Robertson (1990 e 2012) e di Schneider (2008), con i valori normalizzati FR e Qtn ricavati dalle prove penetrometriche ed i grafici dell'indice Ic ricavato in funzione della profondità, per ogni singola prova.

L'analisi specifica dei dati elaborati rimane comunque a carico del "geologo/ingegnere" responsabile delle indagini; le considerazioni sopra esposte in merito all'elaborazione delle prove penetrometriche (suddivisioni parametri geomeccanici del terreno), si devono intendere come pura e semplice interpretazione dei risultati ottenuti.

Per ulteriori dettagli sull'indagine svolta si rimanda al relativo allegato fuori testo.

Massarosa, 30/04/2022

Dott. Geol. Emanuele Anzilotti

All. 1 – ELABORAZIONI PROVE PENETROMETRICHE STATICHE (CPTU)

GeoDeep
Sismica e Geotecnica

LEGENDA PARAMETRI

Depth (m)	Profondità (m)
qc (MPa)	Resistenza alla Punta (MPa)
fs (kPa)	Resistenza Laterale (kPa)
u (kPa)	Pressione nei pori (kPa)
Other	Rapporto di Frizione (%)
qt (MPa)	Resistenza alla Punta Corretta (Mpa)
Rf (%)	Rapporto di Frizione (%)
SBT	Soil Behavior Type
Ic SBT	Indice SBTn
γ (kN/m³)	Peso di Volume (kN/m³)
σ,v (kPa)	Tensione Verticale (kPa)
u0 (kPa)	Pressione Neutra Iniziale (kPa)
σ',vo (kPa)	Tensione Totale Verticale Efficace (kPa)
Qt1	Resistenza di Punta Normalizzata Adimensionale
Fr (%)	Rapporto di Frizione Normalizzato (%)
Bq	Rapporto delle Pressioni Interstiziali
SBTn	Soil Behavior Type Normalizzato
n	Esponente di Stress
Cn	Costante di Suolo
Ic	Indice SBT
Qtn	Resistenza di Punta Normalizzata
U2	Pressione nei Pori Normalizzata
I(B)	Indice Robertson (2016)
Mod. SBTn	Categoria assegnate in base a SBTn

Depth (m)	Profondità (m)
qc (MPa)	Resistenza alla Punta (MPa)
fs (kPa)	Resistenza Laterale (kPa)
SBTn	Soil Behavior Type Normalizzato
Ksbt (m/s)	Permeabilità Stimanata su SBTn (m/s)
Cv (m2/s)	Coefficiente di Consolidazione (m2/s)
SPT N60 (blows/30cm)	Numero di Colpi Necessari per un Avanzamento di 30 cm (colpi/30 cm)
Constrained Mod. (MPa)	Modulo Edometrico (Mpa)
Dr (%)	Grado di Addensamento (%)
Friction angle (°)	Angolo di Attrito (°)
Es (MPa)	Modulo di Young (Mpa)
Go (MPa)	Modulo Iniziale di Taglio (Mpa)
Nkt	Fattore Conico di Resistenza al Taglio non Drenato per Argille
Su (kPa)	Coesione non Drenata (kPa)
Su ratio	Rapporto Coesione non Drenata
Kocr	Coefficiente Grado di Consolidazione
OCR	Grado di Sovraconsolidazione
Vs (m/s)	Velocità Onde di Taglio (m/s)
State parameter	Parametro di Stato
Ko	Modulo di Reazione
Sensitivity	Sensitività
Peak phi (°)	Angolo di Attrito Residuo (°)
Shear strength (kPa)	Resistenza al Taglio (kPa)
Grain factor	Fattore Granulare
Qtn,cs	Resistenza di Punta Normalizzata, Resistenza alla Punta Media
Residual Shear strength	Resistenza al Taglio Residua
Bulk unit weight (kN/m³)	Densità apparente (kN/m³)
Water content w(%)	Contenuto d'Acqua (%)
Void ratio e	Rapporto dei Vuoti
Dry unit weight (kN/m³)	Peso Unitario a Secco
Porosity n	Porosità

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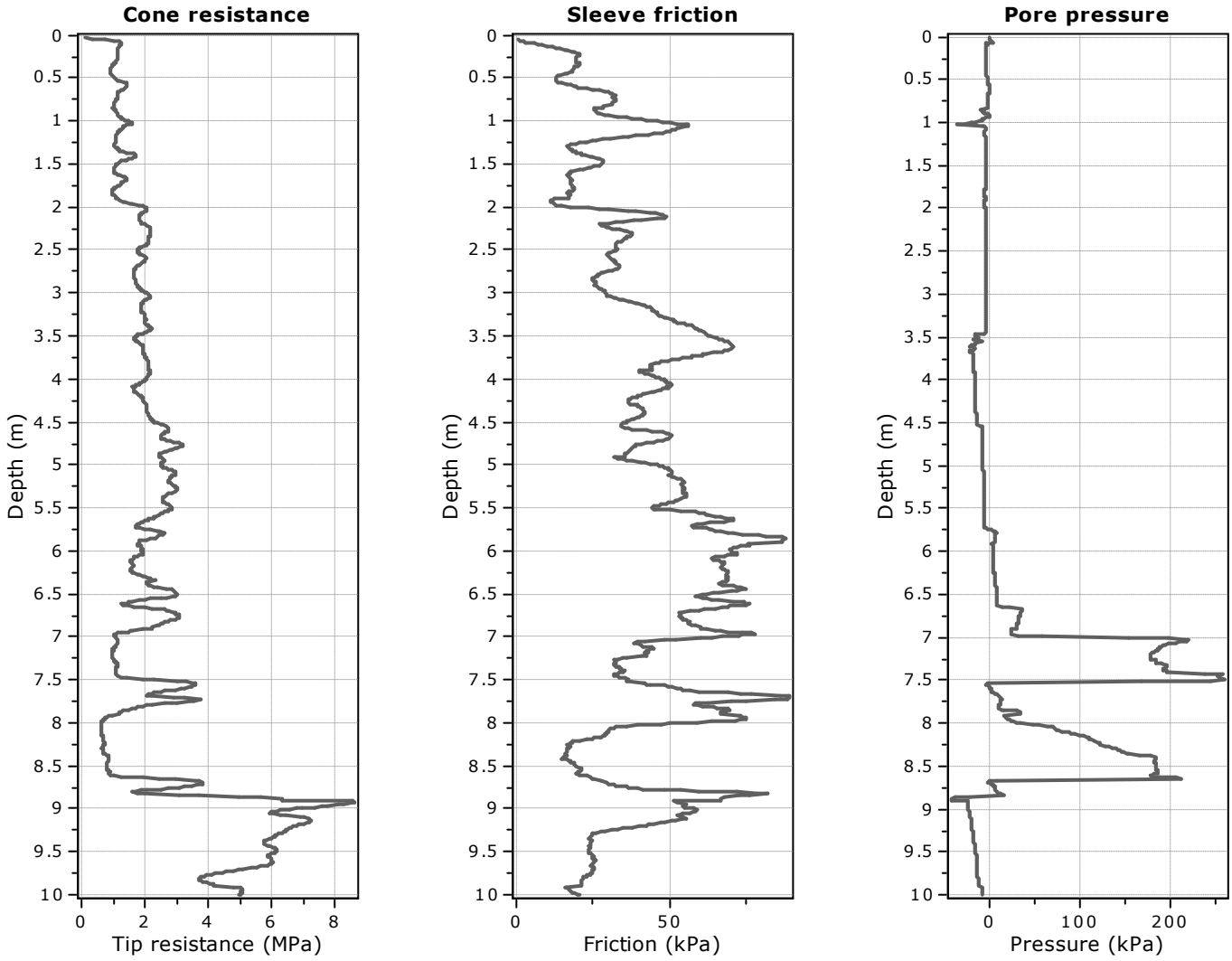
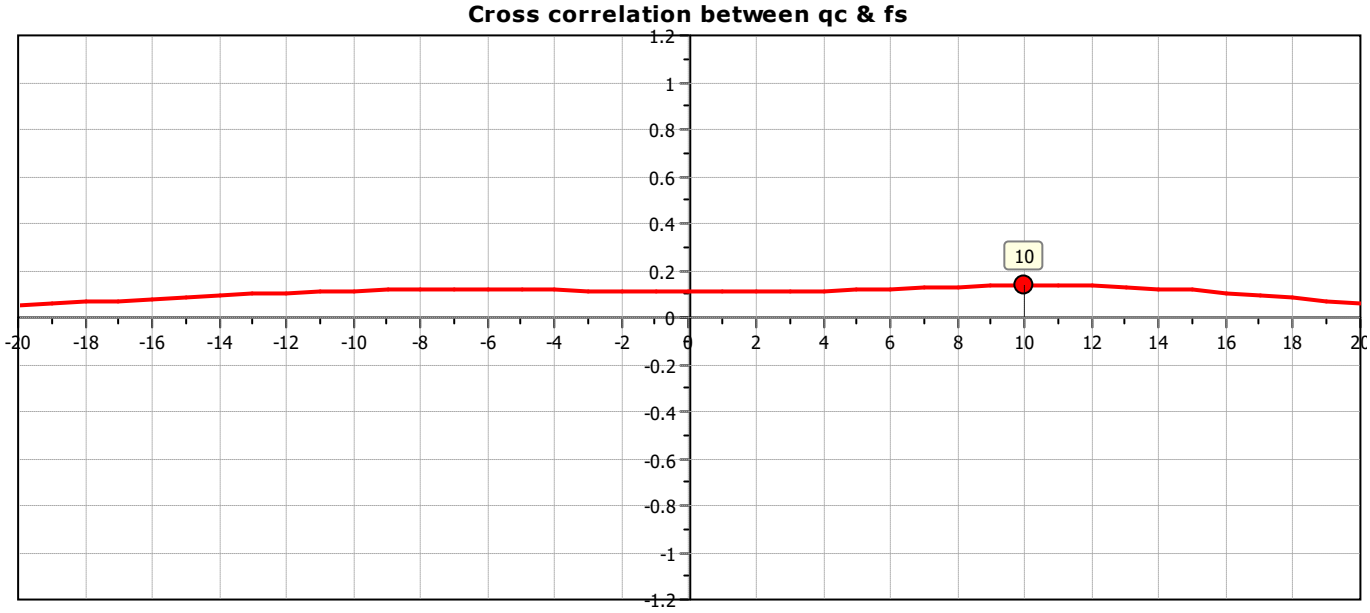
CPT: CPTU-1
Total depth: 10.00 m, Date: 27/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.6669° lon 10.636°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti

Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**



The plot below presents the cross correlation coeficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two sucessive CPT measurements).



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Project: **CPTU - Argine Arno**
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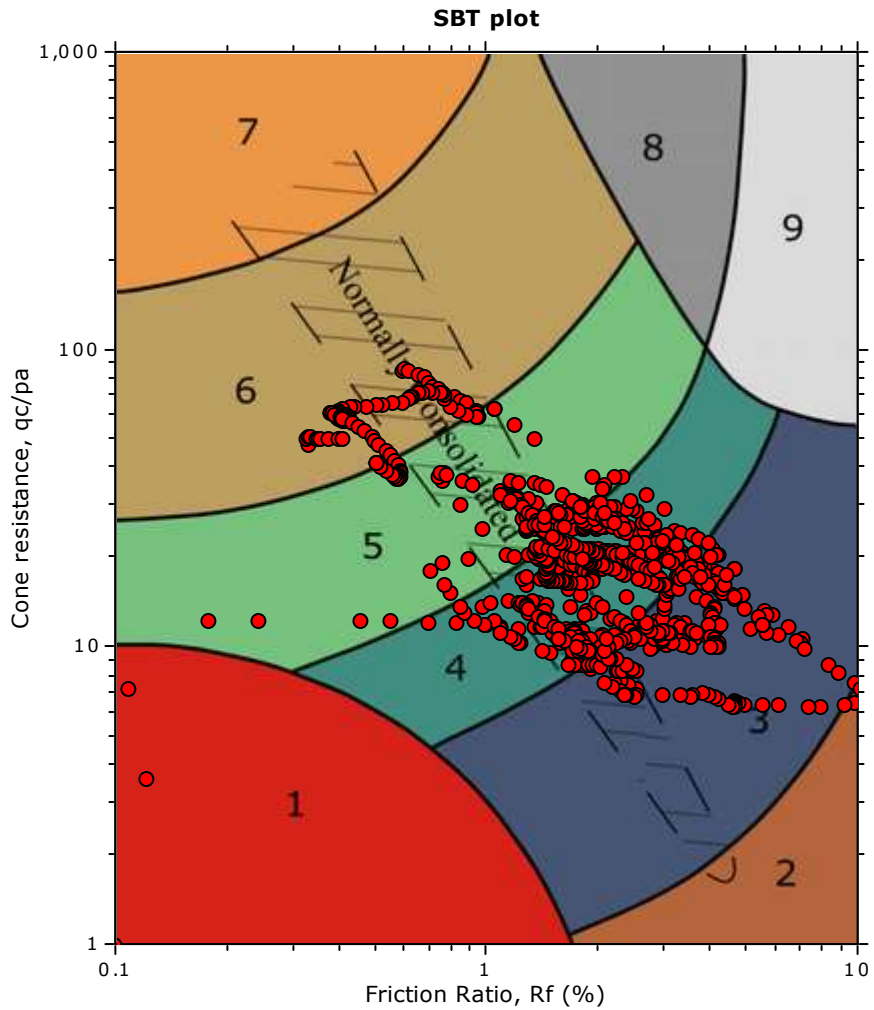
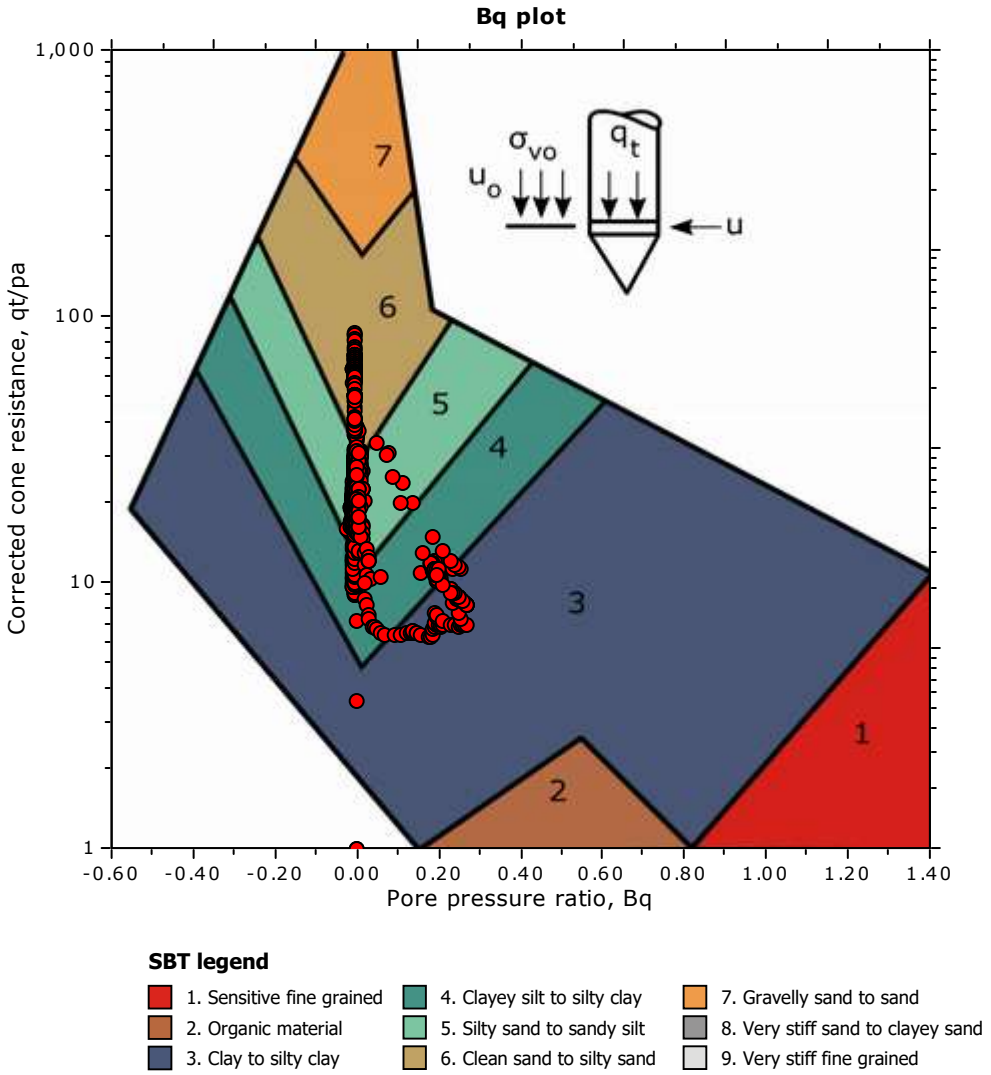
Cone Operator: Emanuele Anzilotti

SBT - Bq plots





SBT legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

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Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

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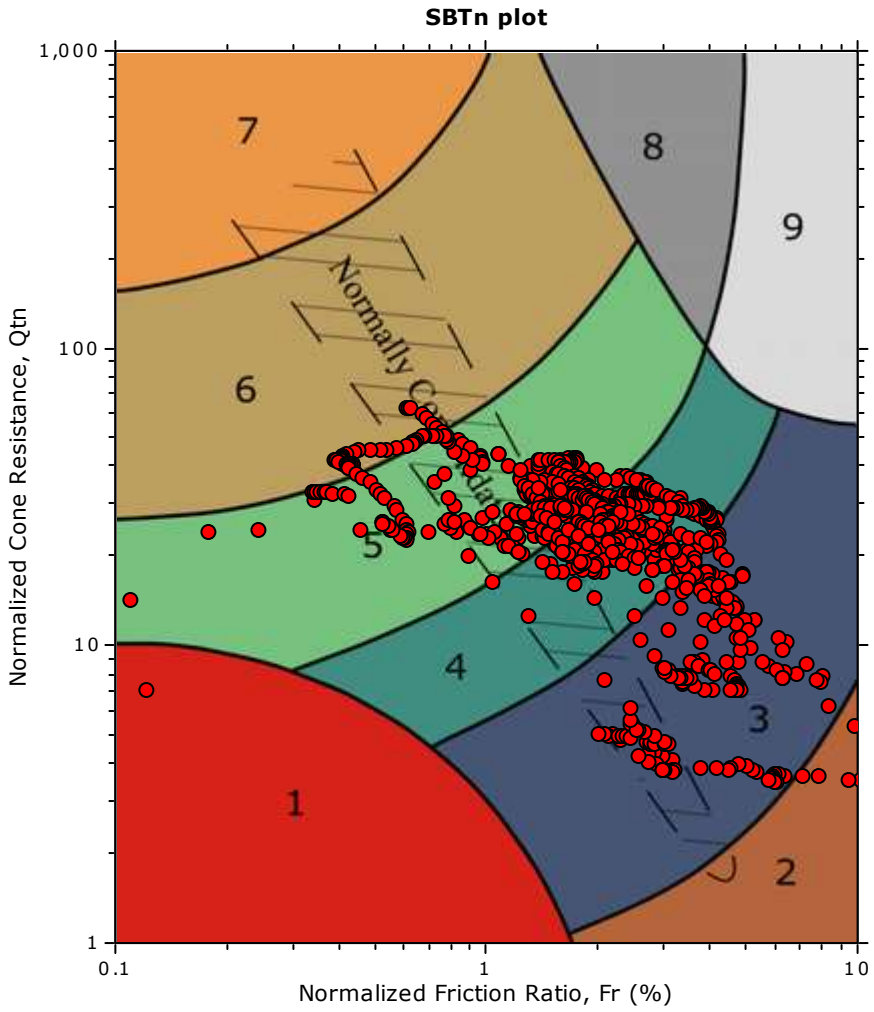
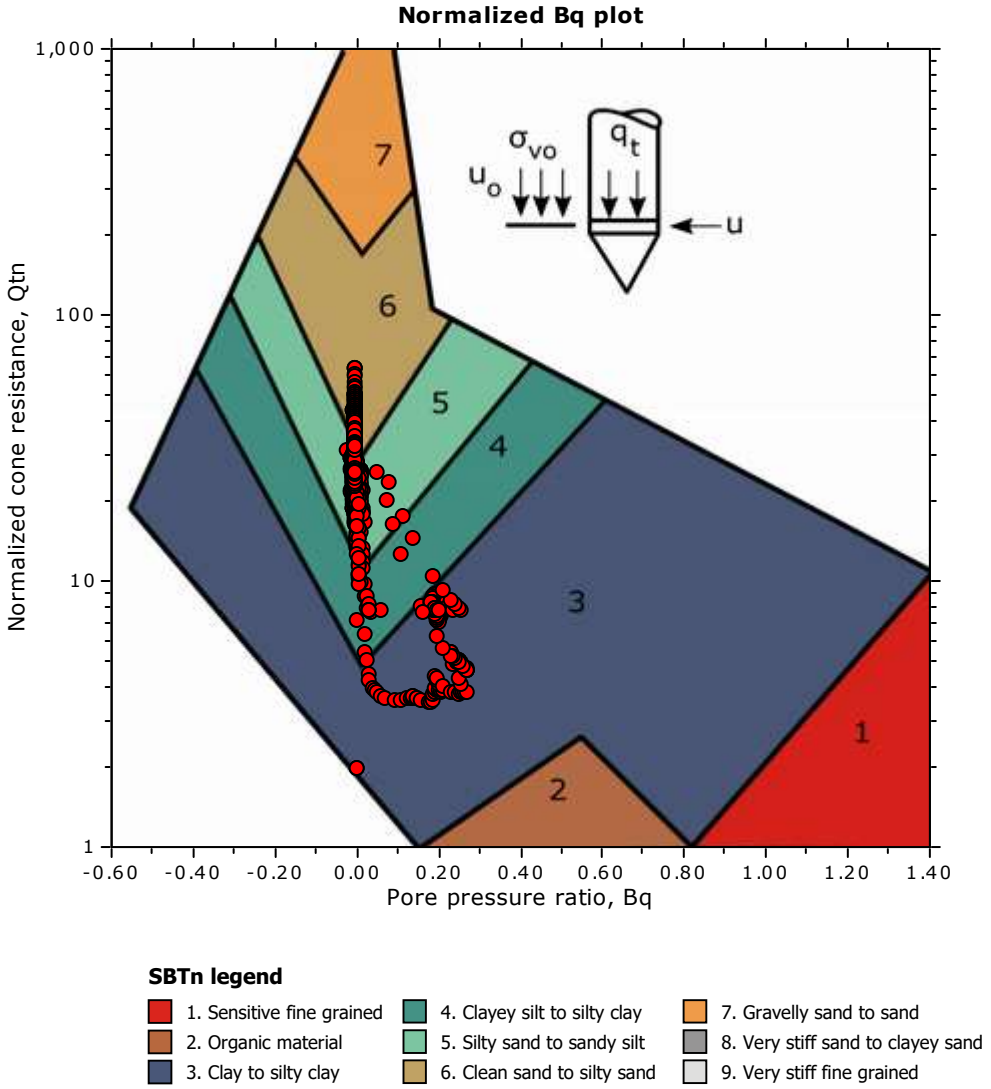
Total depth: 10.00 m, Date: 27/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.6669° lon 10.636°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti

SBT - Bq plots (normalized)





SBTn legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

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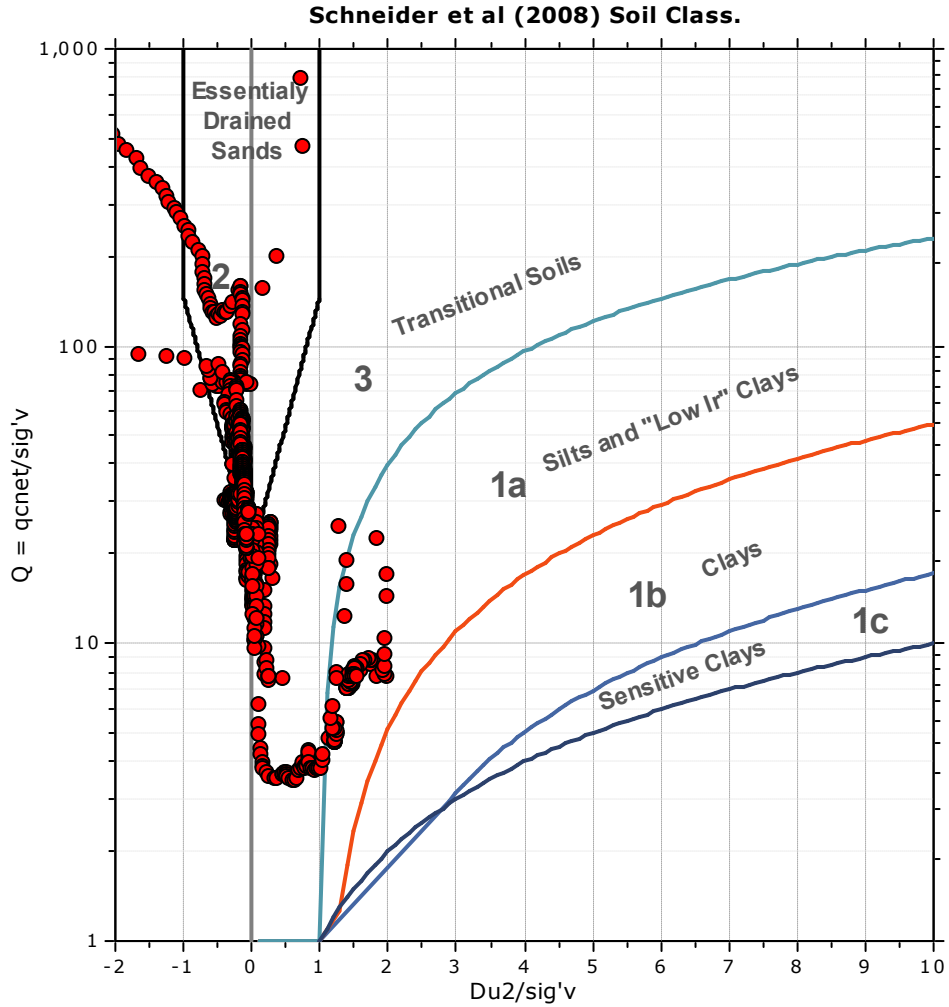
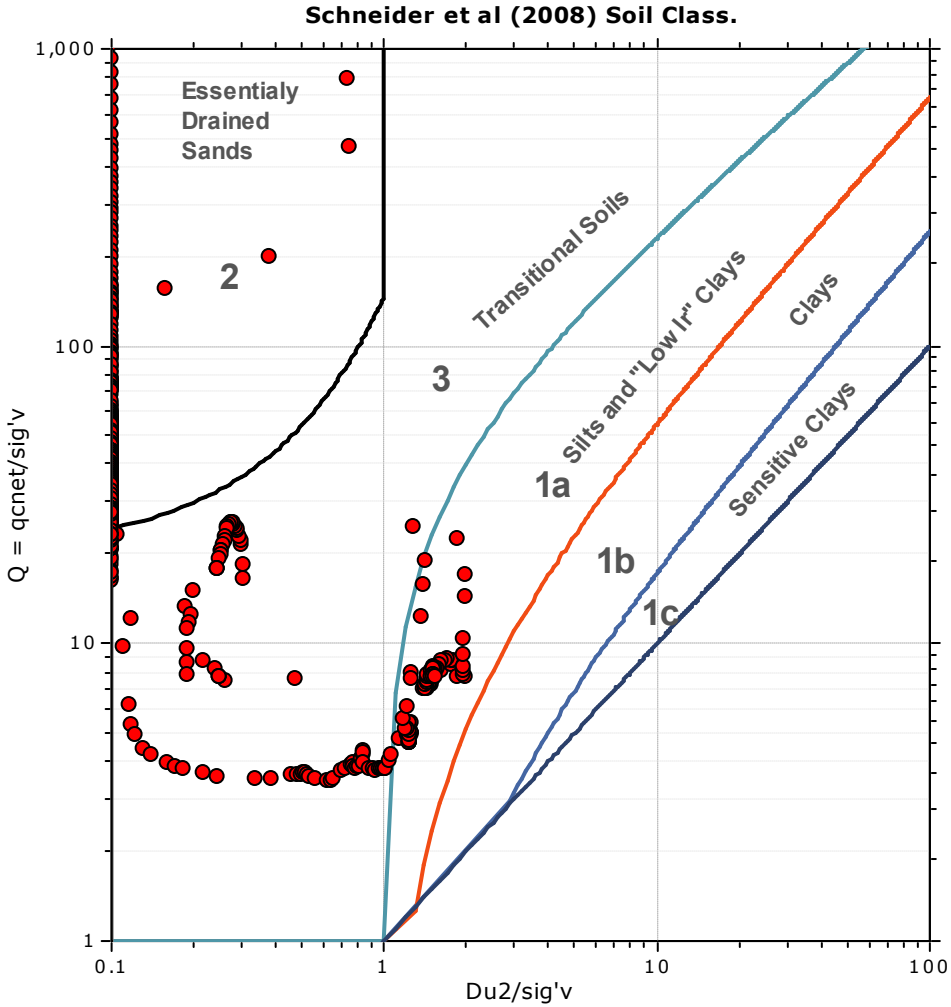
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-1
Total depth: 10.00 m, Date: 27/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.6669° lon 10.636°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti

Bq plots (Schneider)





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Project: **CPTU - Argine Arno**
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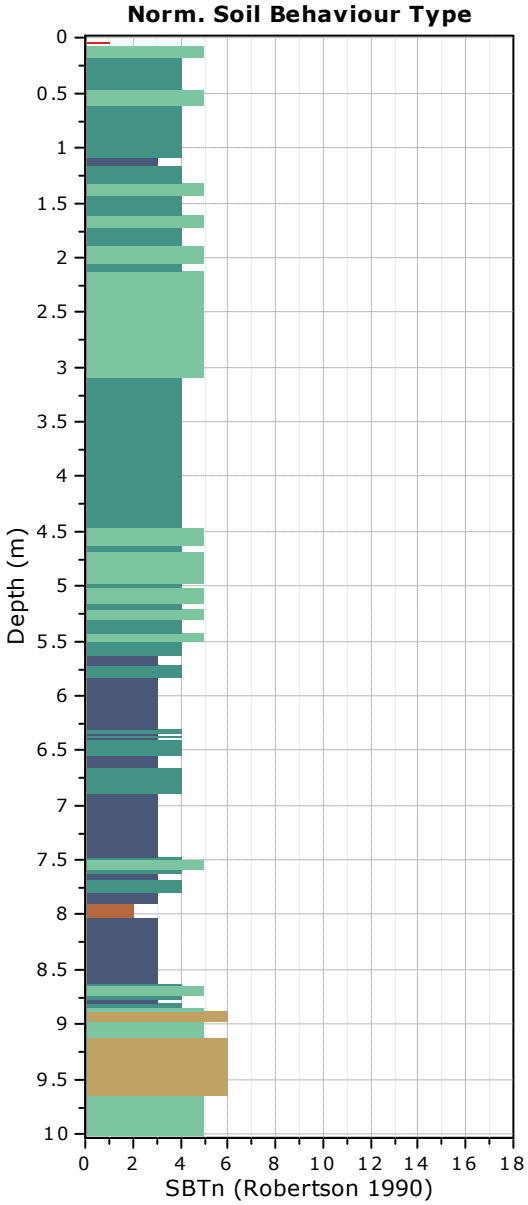

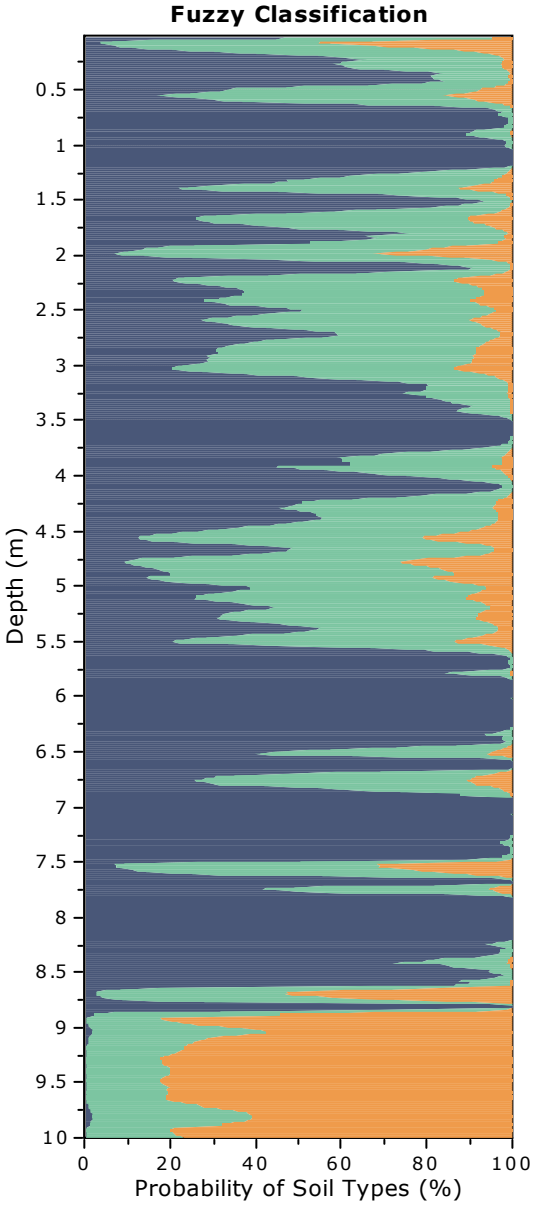

Fuzzy classifiaction legend

- Highly probable clayey soil
- Highly probable mixture soil
- Highly probable sandy soil

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Project: **CPTU - Argine Arno**
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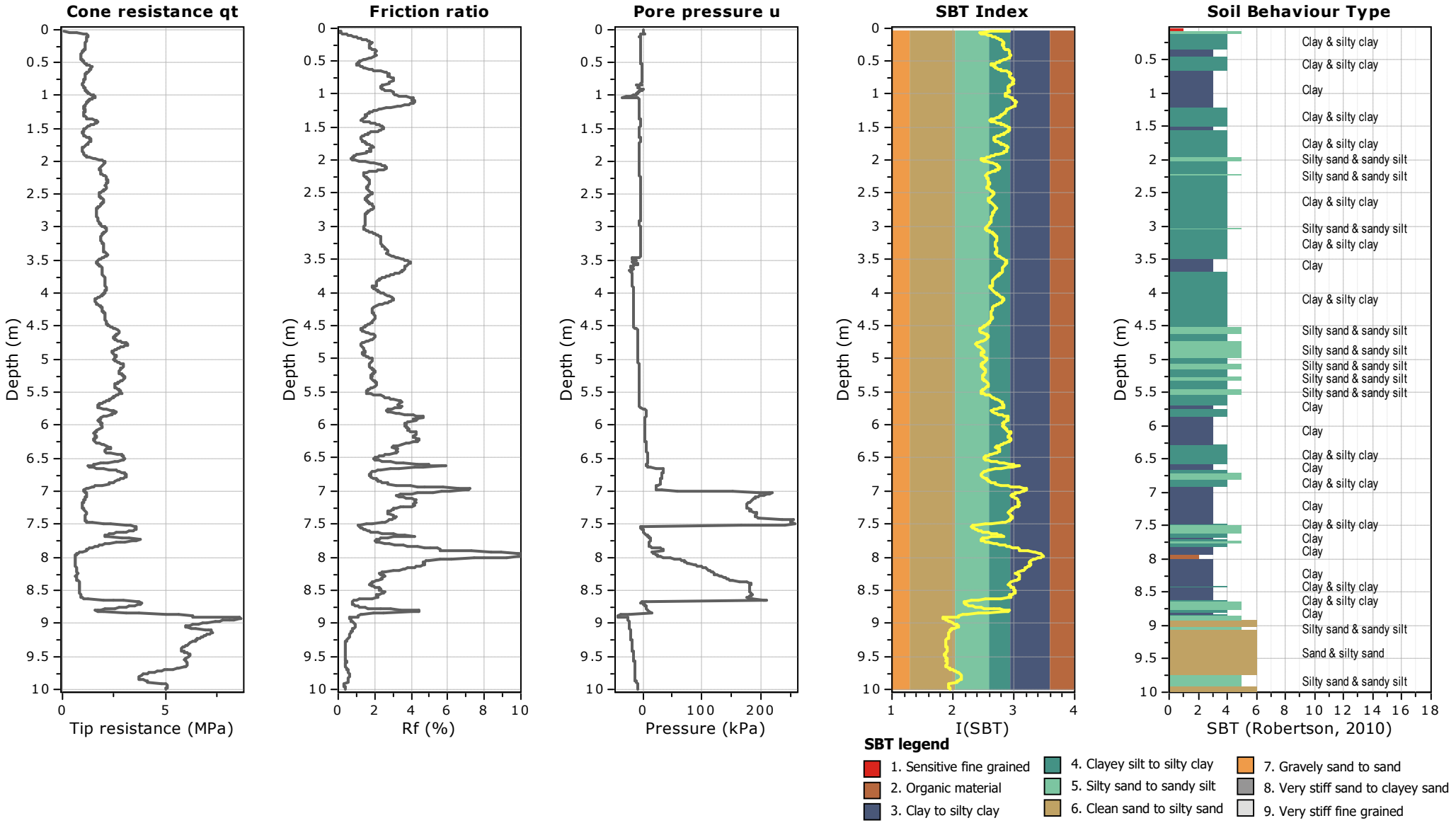

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Project: **CPTU - Argine Arno**
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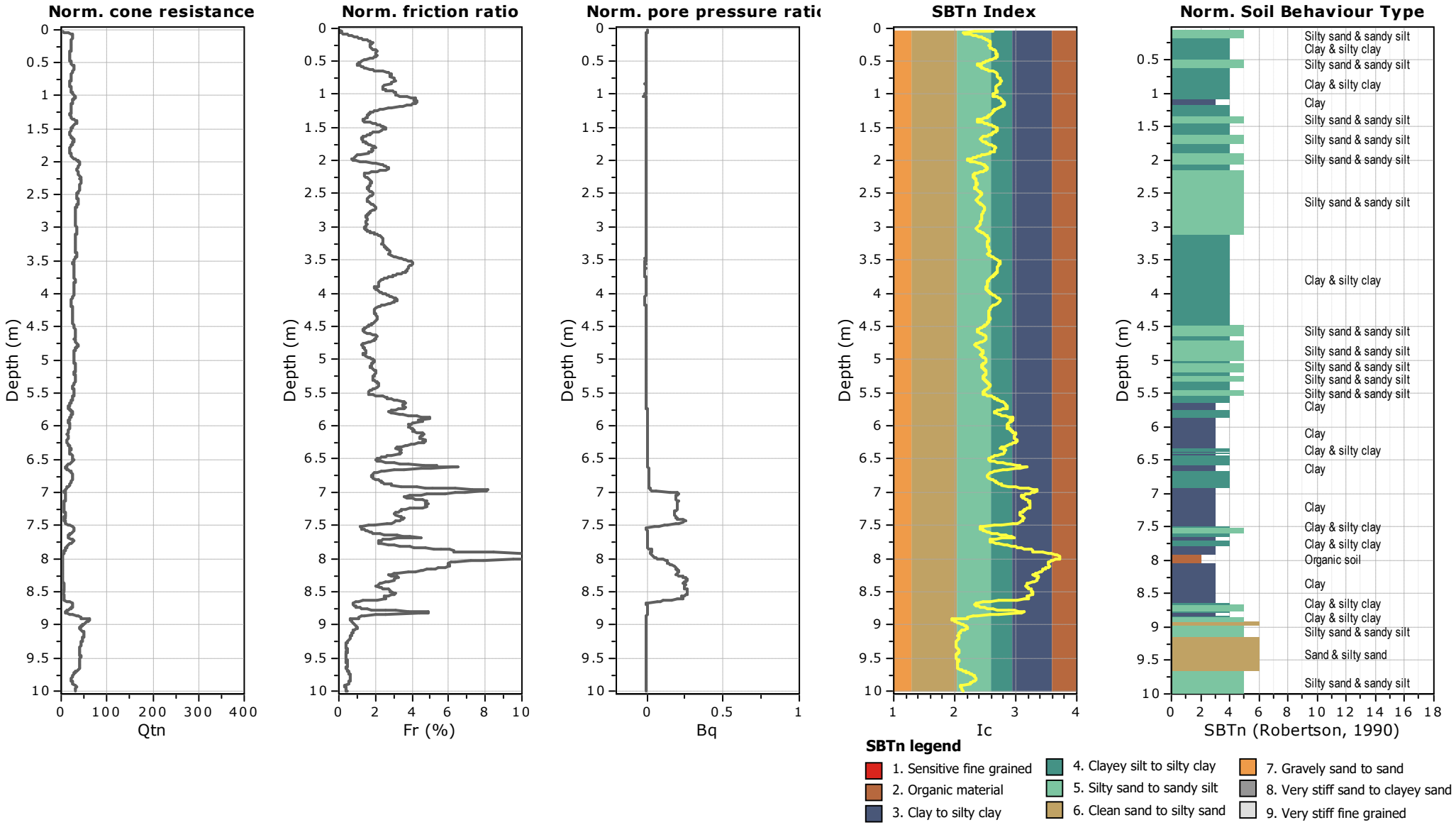

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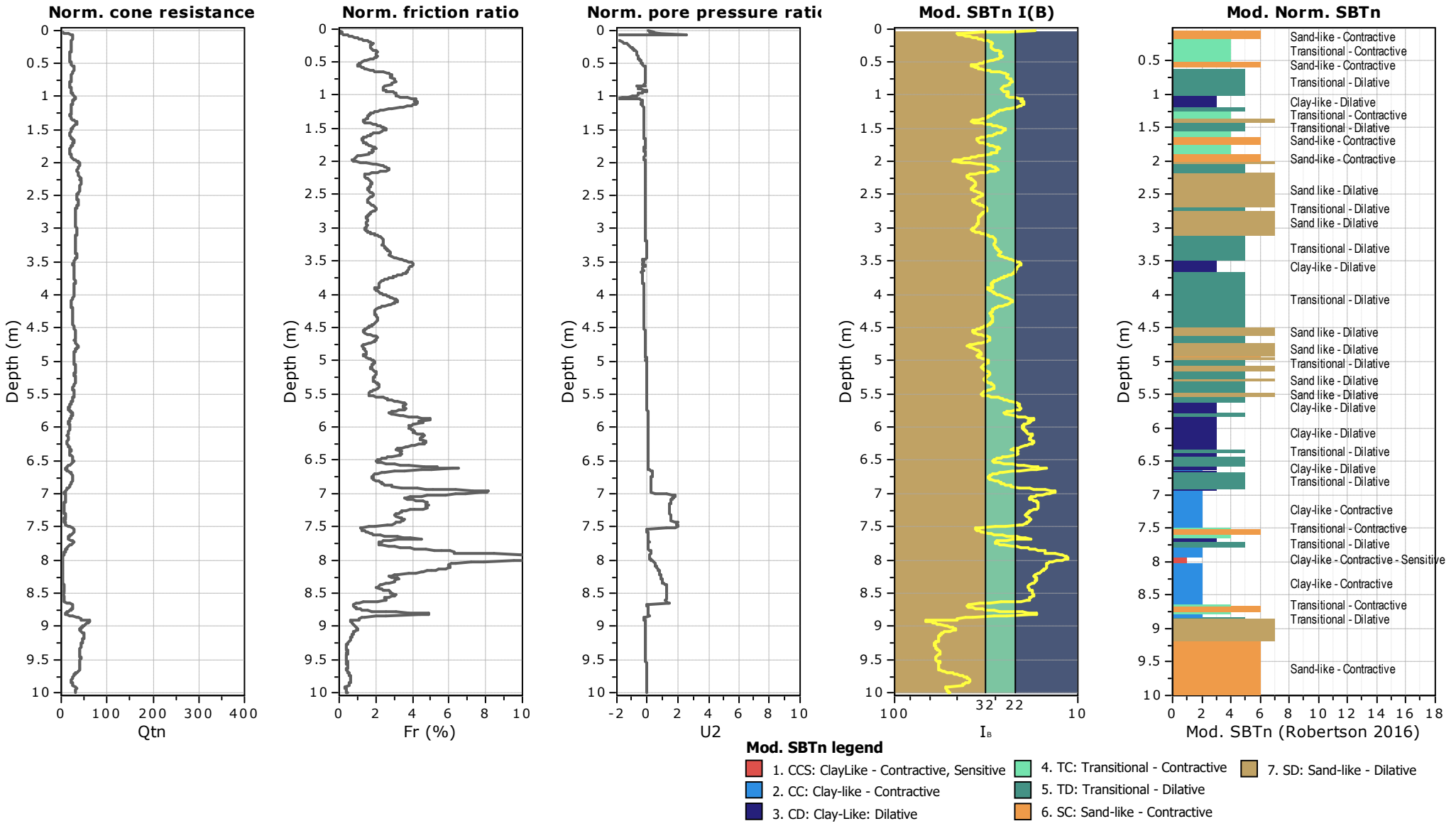

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Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

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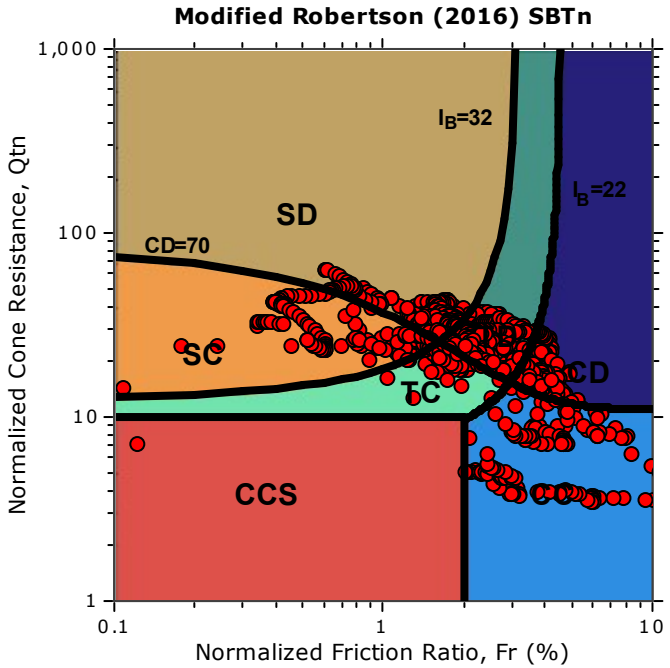
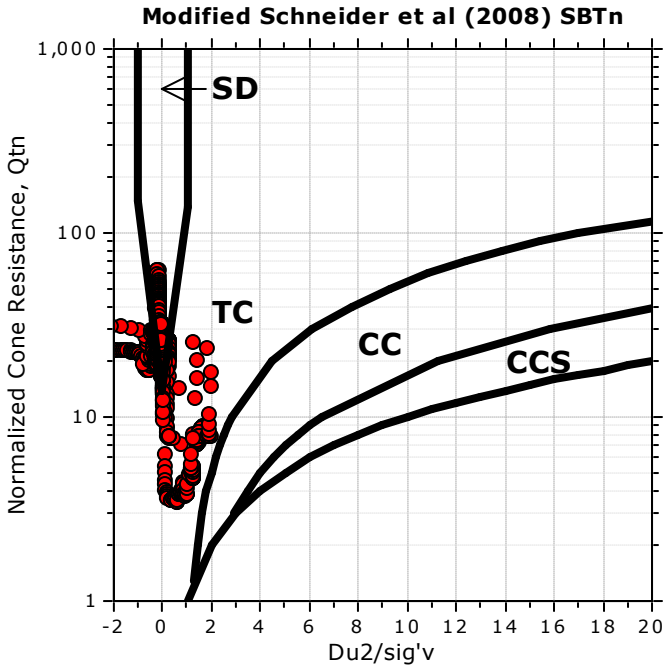
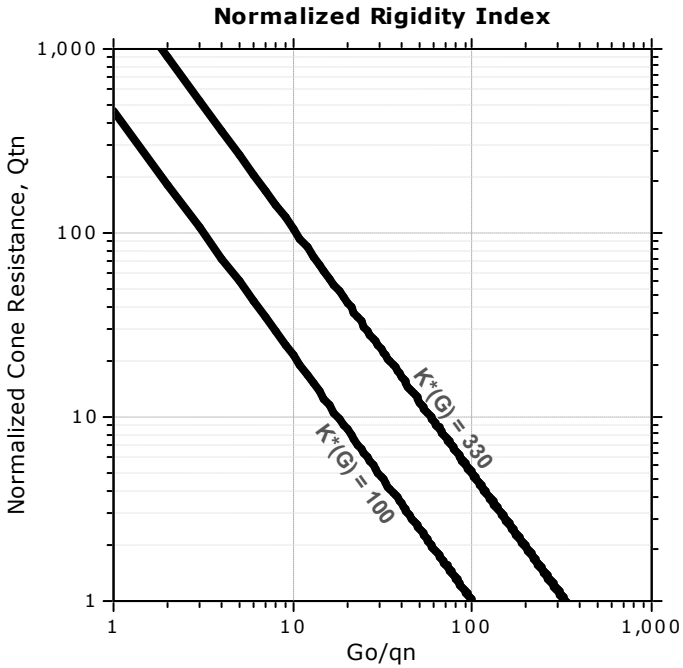
Cone Operator: Emanuele Anzilotti

Updated SBTn plots







CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

K(G) > 330: Soils with significant microstructure (e.g. age/cementation)

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Project: **CPTU - Argine Arno**
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Cone Type: Mks799
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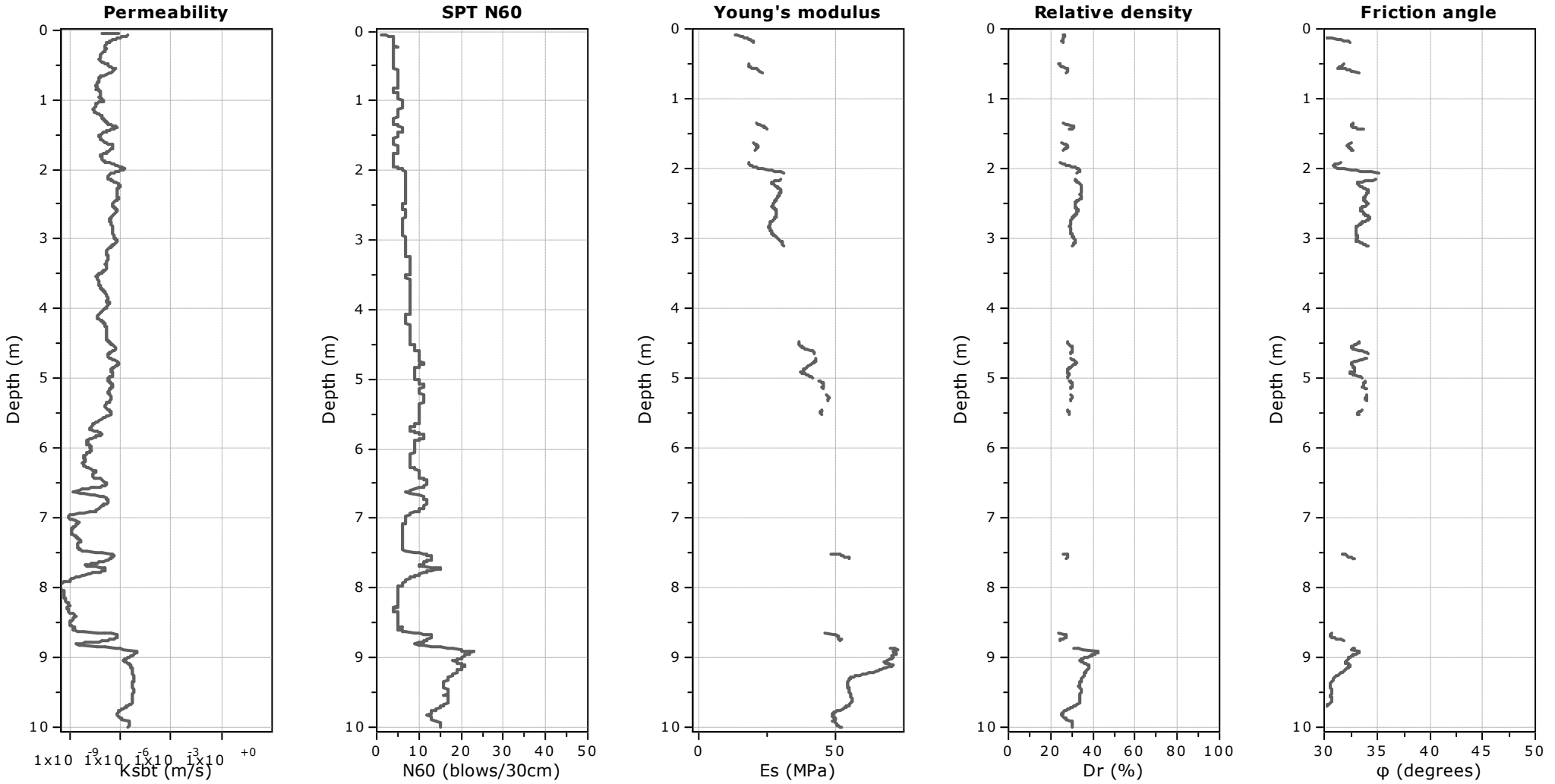

Calculation parameters

Permeability: Based on SBT_n
SPT N_{60}: Based on I_c and q_t
Young's modulus: Based on variable alpha using I_c (Robertson, 2009)
Relative density constant, C_{Dr}: 350.0
Phi: Based on Kulhawy & Mayne (1990)

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Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-1
Total depth: 10.00 m, Date: 27/04/2022
Surface Elevation: 13.00 m
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Cone Type: Mks799
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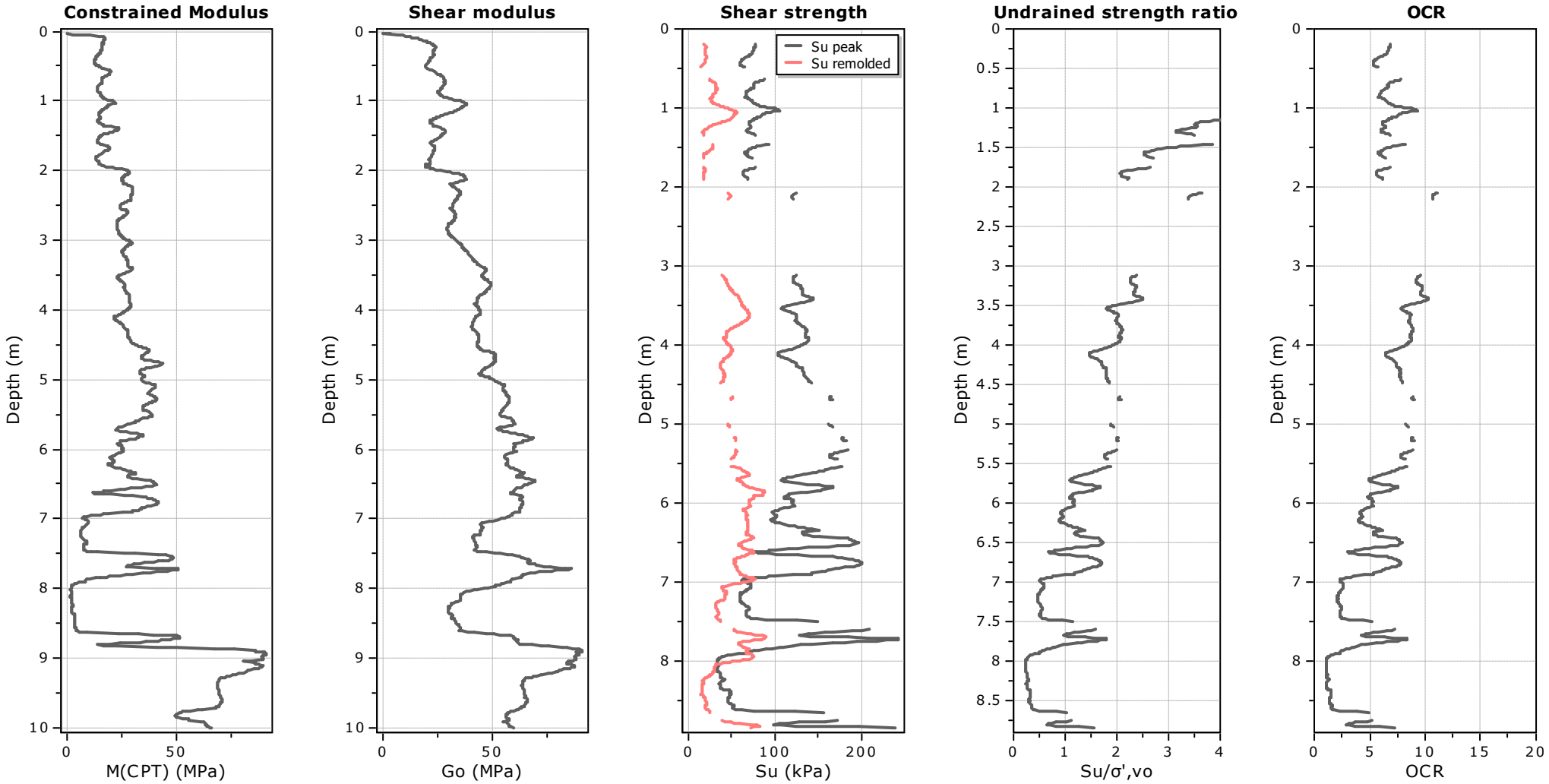

Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_{tn} (Robertson, 2009)
Go: Based on variable *alpha* using I_c (Robertson, 2009)
Undrained shear strength cone factor for clays, N_{kt}: 15
OCR factor for clays, N_{kt}: 0.30
Flat Dilatometer Test data

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Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

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Surface Elevation: 13.00 m
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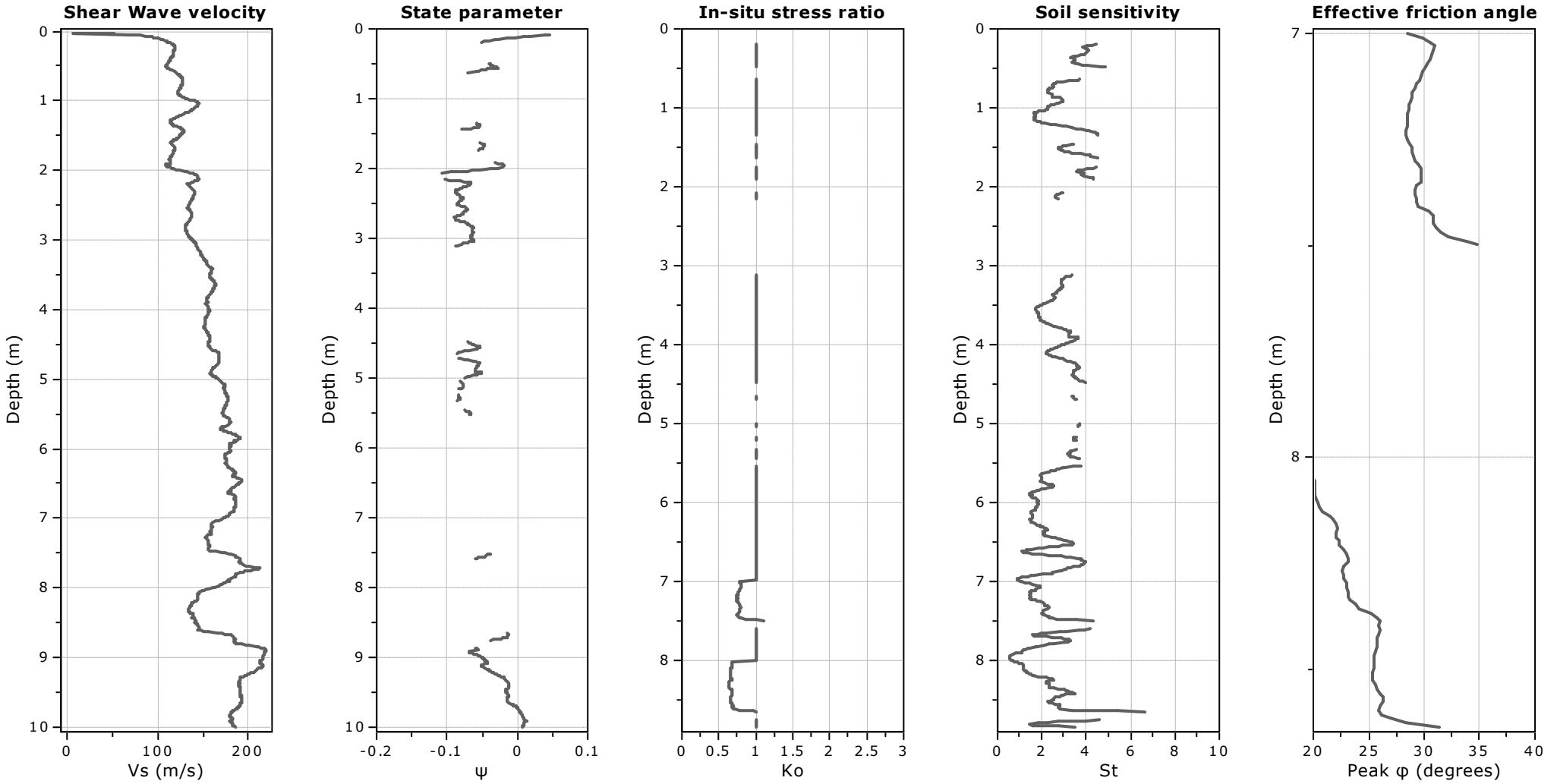
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti



Calculation parameters

Soil Sensitivity factor, N_S: 7.00

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Project: **CPTU - Argine Arno**
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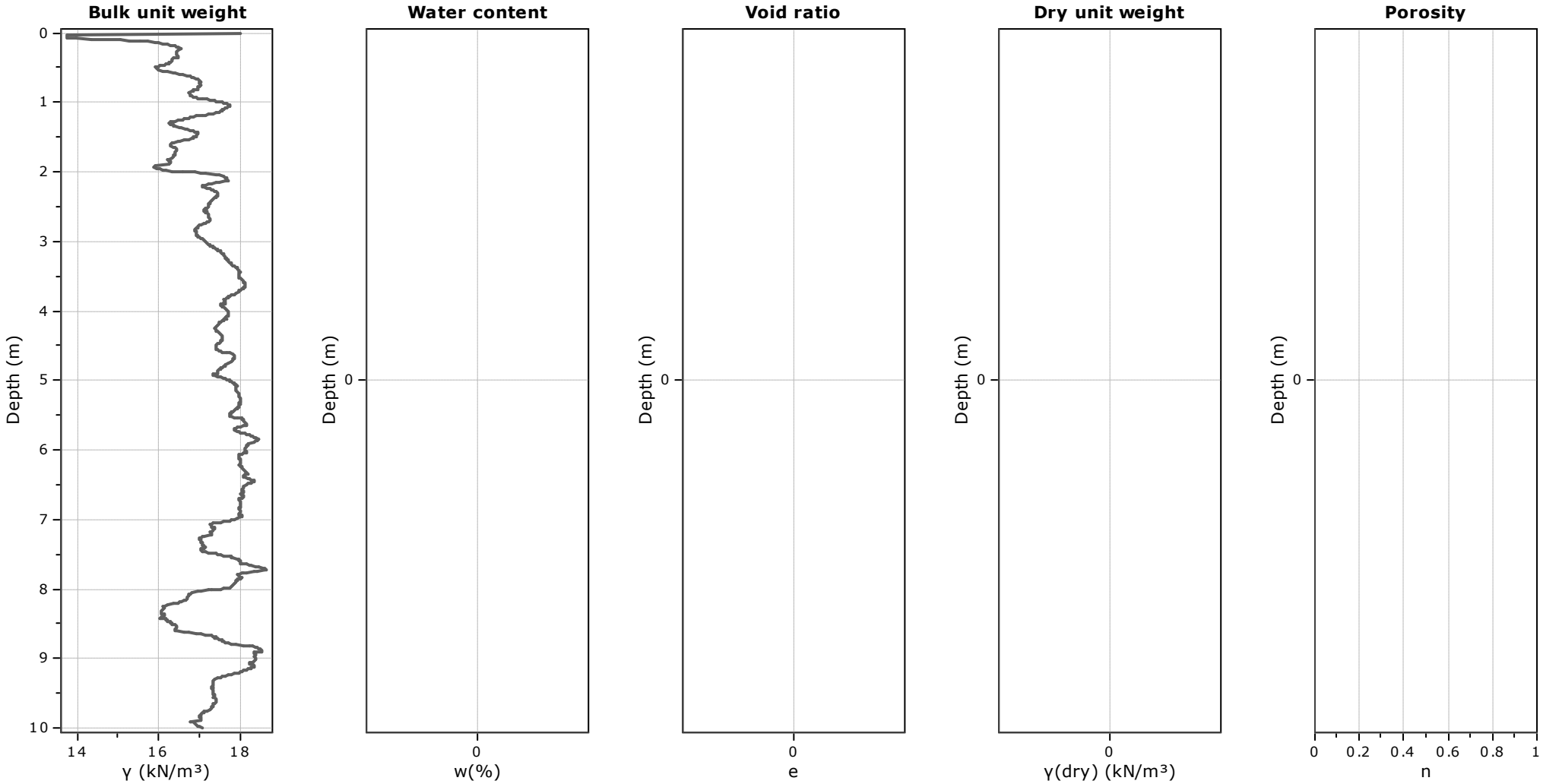

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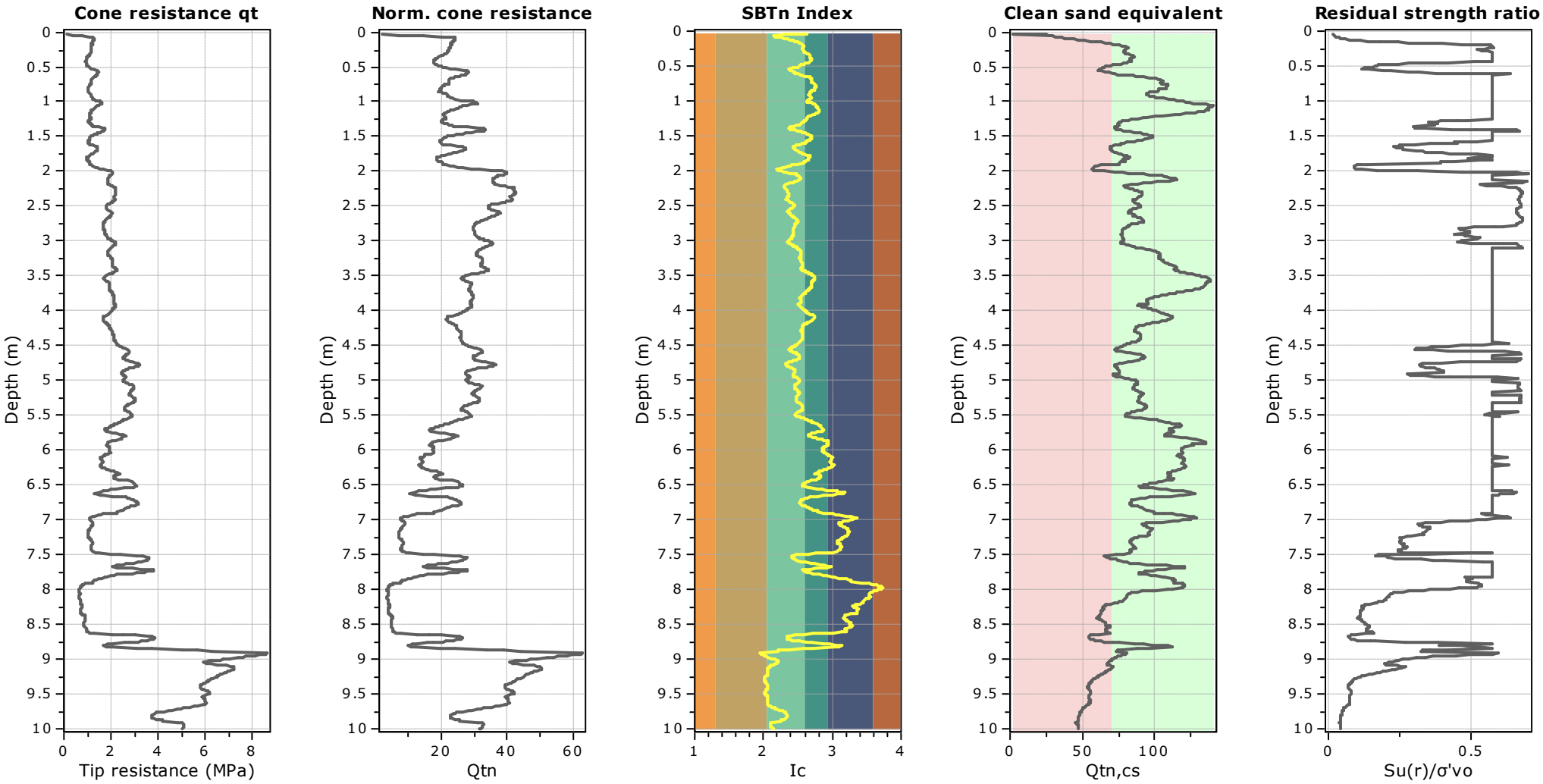
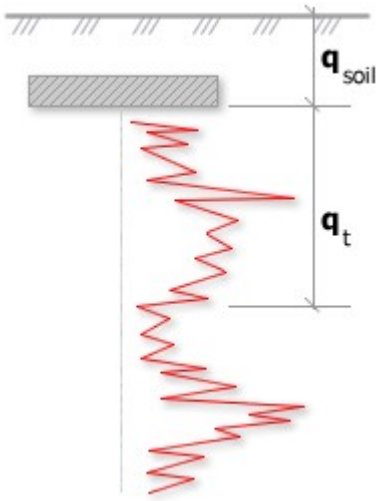
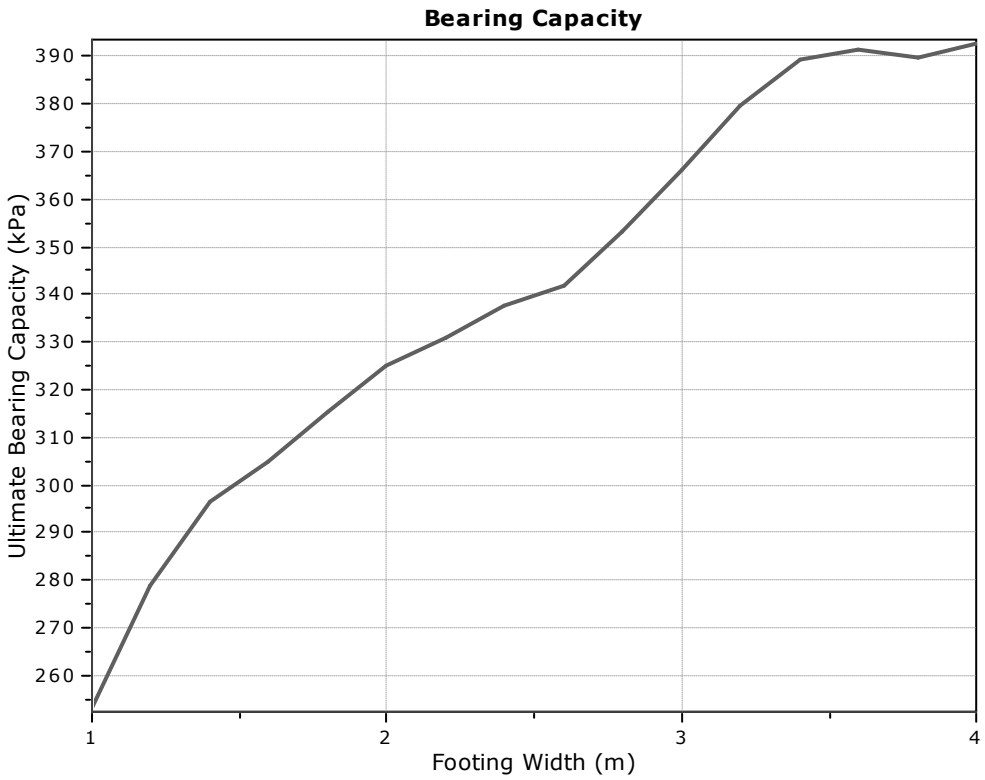




Bearing Capacity calculation is perfromed based on the formula:

$$Q_{ult} = R_k \times q_t + q_{soil}$$

where:
R_k: Bearing capacity factor
q_t: Average corrected cone resistance over calculation depth
q_{soil}: Pressure applied by soil above footing



:: Tabular results ::

No	B (m)	Start Depth (m)	End Depth (m)	Ave. q_t (MPa)	R_k	Soil Press. (kPa)	Ult. bearing cap. (kPa)
1	1.00	0.50	2.00	1.22	0.20	9.50	253.19
2	1.20	0.50	2.30	1.35	0.20	9.50	278.74
3	1.40	0.50	2.60	1.44	0.20	9.50	296.61
4	1.60	0.50	2.90	1.48	0.20	9.50	305.04
5	1.80	0.50	3.20	1.53	0.20	9.50	315.43
6	2.00	0.50	3.50	1.58	0.20	9.50	325.12
7	2.20	0.50	3.80	1.61	0.20	9.50	331.01
8	2.40	0.50	4.10	1.64	0.20	9.50	337.59
9	2.60	0.50	4.40	1.66	0.20	9.50	341.78
10	2.80	0.50	4.70	1.72	0.20	9.50	353.18
11	3.00	0.50	5.00	1.78	0.20	9.50	366.38
12	3.20	0.50	5.30	1.85	0.20	9.50	379.58
13	3.40	0.50	5.60	1.90	0.20	9.50	389.25
14	3.60	0.50	5.90	1.91	0.20	9.50	391.49
15	3.80	0.50	6.20	1.90	0.20	9.50	389.77
16	4.00	0.50	6.50	1.92	0.20	9.50	392.72

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
1	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.18	0.00	0.18	0.00	0.00	0.00	0.00	1.00	2.00	0.00	0.00	0.00	14.28	0.00
2	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.36	0.00	0.36	0.00	0.00	0.00	0.00	1.00	2.00	0.00	-0.01	0.00	14.28	0.00
3	0.03	0.10	0.03	0.19	0.03	0.10	0.03	1.00	3.49	13.73	0.50	0.00	0.50	200.15	0.03	0.00	0.00	1.00	2.00	3.19	1.96	0.38	17.08	0.00
4	0.04	0.10	0.00	0.10	0.00	0.10	0.00	1.00	0.00	13.73	0.63	0.00	0.63	156.59	0.00	0.00	0.00	1.00	2.00	0.00	1.96	0.16	17.09	0.00
5	0.05	0.36	0.44	0.58	0.12	0.36	0.12	1.00	2.94	13.73	0.77	0.00	0.77	465.47	0.12	0.00	1.00	0.86	2.00	2.64	7.09	0.75	24.12	1.00
6	0.06	0.72	0.79	0.67	0.11	0.72	0.11	1.00	2.63	13.73	0.91	0.00	0.91	790.92	0.11	0.00	5.00	0.74	2.00	2.33	14.20	0.74	33.81	6.00
7	0.07	1.04	0.91	2.68	0.09	1.04	0.09	0.00	2.46	13.73	1.05	0.00	1.05	993.14	0.09	0.00	0.00	0.67	2.00	2.16	20.52	2.56	42.51	0.00
8	0.08	1.22	2.18	-3.93	0.18	1.22	0.18	5.00	2.44	13.96	1.19	0.00	1.19	1026.71	0.18	0.00	5.00	0.67	2.00	2.14	24.04	-3.31	45.81	6.00
9	0.09	1.23	3.00	-4.41	0.24	1.23	0.24	5.00	2.46	14.33	1.33	0.00	1.33	923.39	0.24	0.00	5.00	0.68	2.00	2.17	24.23	-3.32	45.09	6.00
10	0.10	1.23	5.64	-3.45	0.46	1.23	0.46	5.00	2.54	15.06	1.48	0.00	1.48	829.49	0.46	0.00	5.00	0.71	2.00	2.26	24.23	-2.33	42.20	6.00
11	0.11	1.23	6.78	-5.08	0.55	1.23	0.55	5.00	2.57	15.27	1.63	0.00	1.63	751.62	0.55	0.00	5.00	0.73	2.00	2.30	24.23	-3.11	41.05	6.00
12	0.12	1.21	8.48	-4.89	0.70	1.21	0.70	4.00	2.62	15.52	1.79	0.00	1.79	675.14	0.70	0.00	5.00	0.75	2.00	2.35	23.83	-2.73	39.00	6.00
13	0.13	1.21	10.12	-4.89	0.83	1.21	0.84	4.00	2.65	15.72	1.95	0.00	1.95	620.49	0.84	0.00	5.00	0.76	2.00	2.38	23.82	-2.51	37.59	6.00
14	0.14	1.19	12.01	-4.79	1.01	1.19	1.01	4.00	2.69	15.91	2.10	0.00	2.10	564.00	1.01	0.00	5.00	0.78	2.00	2.43	23.43	-2.28	35.67	6.00
15	0.15	1.17	12.86	-4.60	1.09	1.17	1.10	4.00	2.72	15.99	2.26	0.00	2.26	515.29	1.10	0.00	5.00	0.79	2.00	2.46	23.03	-2.03	34.63	6.00
16	0.16	1.16	14.19	-4.70	1.22	1.16	1.22	4.00	2.74	16.10	2.43	0.00	2.43	476.90	1.23	0.00	5.00	0.80	2.00	2.48	22.83	-1.94	33.50	6.00
17	0.17	1.17	15.76	-4.70	1.35	1.17	1.35	4.00	2.76	16.22	2.59	0.00	2.59	450.80	1.35	0.00	5.00	0.81	2.00	2.50	23.02	-1.82	32.66	6.00
18	0.18	1.17	16.52	-4.60	1.41	1.17	1.41	4.00	2.77	16.27	2.75	0.00	2.75	424.08	1.42	0.00	5.00	0.81	2.00	2.51	23.02	-1.67	32.18	6.00
19	0.19	1.16	18.22	-4.70	1.57	1.16	1.57	4.00	2.80	16.38	2.91	0.00	2.91	396.74	1.58	0.00	4.00	0.82	2.00	2.54	22.82	-1.61	30.97	4.00
20	0.20	1.15	18.89	-4.60	1.64	1.15	1.64	4.00	2.81	16.42	3.08	0.00	3.08	372.28	1.65	0.00	4.00	0.83	2.00	2.56	22.62	-1.49	30.40	4.00
21	0.21	1.15	19.96	-4.50	1.73	1.15	1.74	4.00	2.82	16.48	3.24	0.00	3.24	353.31	1.74	0.00	4.00	0.83	2.00	2.57	22.62	-1.39	29.81	4.00
22	0.22	1.15	20.81	-4.41	1.80	1.15	1.81	4.00	2.83	16.53	3.41	0.00	3.41	336.13	1.82	0.00	4.00	0.84	2.00	2.58	22.61	-1.29	29.36	4.00
23	0.23	1.14	20.84	-4.41	1.82	1.14	1.83	4.00	2.84	16.53	3.57	0.00	3.57	317.74	1.84	0.00	4.00	0.84	2.00	2.59	22.41	-1.23	29.17	4.00
24	0.24	1.14	19.90	-4.50	1.74	1.14	1.75	4.00	2.83	16.48	3.74	0.00	3.74	303.68	1.75	0.00	4.00	0.83	2.00	2.58	22.41	-1.20	29.66	4.00
25	0.25	1.14	19.74	-4.41	1.73	1.14	1.73	4.00	2.82	16.47	3.90	0.00	3.90	290.83	1.74	0.00	4.00	0.83	2.00	2.57	22.41	-1.13	29.74	4.00
26	0.26	1.14	19.61	-4.41	1.72	1.14	1.72	4.00	2.82	16.46	4.07	0.00	4.07	279.02	1.73	0.00	4.00	0.83	2.00	2.57	22.40	-1.08	29.81	4.00
27	0.27	1.14	19.33	-4.31	1.69	1.14	1.70	4.00	2.82	16.44	4.23	0.00	4.23	268.15	1.70	0.00	4.00	0.83	2.00	2.57	22.40	-1.02	29.96	4.00
28	0.28	1.12	19.33	-4.31	1.72	1.12	1.73	4.00	2.83	16.44	4.40	0.00	4.40	253.54	1.73	0.00	4.00	0.84	2.00	2.58	22.00	-0.98	29.59	4.00
29	0.29	1.12	19.26	-4.22	1.72	1.12	1.72	4.00	2.83	16.43	4.56	0.00	4.56	244.37	1.73	0.00	4.00	0.83	2.00	2.58	22.00	-0.93	29.62	4.00
30	0.30	1.11	19.33	-4.31	1.75	1.11	1.74	4.00	2.84	16.43	4.73	0.00	4.73	233.71	1.75	0.00	4.00	0.84	2.00	2.59	21.80	-0.91	29.40	4.00
31	0.31	1.09	19.36	-4.12	1.77	1.09	1.78	4.00	2.85	16.43	4.89	0.00	4.89	221.75	1.79	0.00	4.00	0.84	2.00	2.60	21.40	-0.84	29.02	4.00
32	0.32	1.06	19.67	-3.83	1.85	1.06	1.86	4.00	2.87	16.44	5.05	0.00	5.05	208.58	1.87	0.00	4.00	0.85	2.00	2.62	20.81	-0.76	28.31	4.00
33	0.33	1.05	20.49	-3.64	1.96	1.05	1.95	4.00	2.88	16.48	5.22	0.00	5.22	200.05	1.96	0.00	4.00	0.86	2.00	2.63	20.61	-0.70	27.71	4.00
34	0.34	1.02	20.59	-3.74	2.02	1.02	2.02	4.00	2.90	16.47	5.38	0.00	5.38	188.32	2.03	0.00	4.00	0.86	2.00	2.65	20.01	-0.69	27.12	4.00
35	0.35	0.98	20.53	-3.93	2.09	0.98	2.10	3.00	2.92	16.46	5.55	0.00	5.55	175.49	2.11	0.00	4.00	0.87	2.00	2.68	19.22	-0.71	26.44	4.00
36	0.36	0.97	20.18	-3.93	2.09	0.97	2.08	3.00	2.93	16.43	5.71	0.00	5.71	168.66	2.09	0.00	4.00	0.87	2.00	2.68	19.02	-0.69	26.42	4.00
37	0.37	0.95	19.01	-3.93	2.01	0.95	2.00	3.00	2.93	16.36	5.88	0.00	5.88	160.54	2.02	0.00	4.00	0.87	2.00	2.68	18.62	-0.67	26.62	4.00
38	0.38	0.94	18.70	-4.03	1.99	0.94	1.99	3.00	2.93	16.33	6.04	0.00	6.04	154.51	2.00	0.00	4.00	0.87	2.00	2.68	18.42	-0.67	26.58	4.00
39	0.39	0.93	18.54	-4.03	2.00	0.93	2.00	3.00	2.93	16.32	6.20	0.00	6.20	148.80	2.01	0.00	4.00	0.88	2.00	2.68	18.22	-0.65	26.47	4.00
40	0.40	0.92	18.48	-4.03	2.01	0.92	2.01	3.00	2.94	16.31	6.37	0.00	6.37	143.39	2.02	0.00	4.00	0.88	2.00	2.69	18.02	-0.63	26.31	4.00
41	0.41	0.91	18.48	-3.93	2.04	0.91	2.03	3.00	2.94	16.31	6.53	0.00	6.53	138.26	2.05	0.00	4.00	0.88	2.00	2.70	17.82	-0.60	26.12	4.00
42	0.42	0.90	18.48	-3.93	2.05	0.90	2.06	3.00	2.95	16.30	6.69	0.00	6.69	133.37	2.07	0.00	4.00	0.88	2.00	2.70	17.62	-0.59	25.94	4.00
43	0.43	0.90	17.66	-3.83	1.96	0.90	1.96	3.00	2.94	16.25	6.85	0.00	6.85	130.19	1.98	0.00	4.00	0.88	2.00	2.69	17.61	-0.56	26.33	4.00
44	0.44	0.91	17.47	-3.83	1.92	0.91	1.92	3.00	2.93	16.24	7.02	0.00	7.02	128.58	1.94	0.00	4.00	0.88	2.00	2.68	17.81	-0.55	26.61	4.00
45	0.45	0.91	16.46	-3.64	1.80	0.91	1.81	4.00	2.92	16.17	7.18	0.00	7.18	125.66	1.82	0.00	4.00	0.87	2.00	2.67	17.81	-0.51	27.13	4.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
46	0.46	0.92	15.70	-3.64	1.70	0.92	1.71	4.00	2.90	16.12	7.34	0.00	7.34	124.24	1.72	0.00	4.00	0.86	2.00	2.65	18.00	-0.50	27.73	4.00
47	0.47	0.96	14.28	-3.45	1.49	0.96	1.49	4.00	2.86	16.03	7.50	0.00	7.50	126.91	1.50	0.00	4.00	0.85	2.00	2.60	18.79	-0.46	29.32	4.00
48	0.48	0.97	13.78	-3.35	1.42	0.97	1.42	4.00	2.84	15.99	7.66	0.00	7.66	125.54	1.43	0.00	4.00	0.84	2.00	2.59	18.98	-0.44	29.82	4.00
49	0.49	1.03	12.86	-3.16	1.25	1.03	1.25	4.00	2.79	15.94	7.82	0.00	7.82	130.64	1.26	0.00	5.00	0.82	2.00	2.54	20.16	-0.40	31.62	4.00
50	0.50	1.04	12.71	-3.16	1.22	1.04	1.22	4.00	2.78	15.93	7.98	0.00	7.98	129.27	1.23	0.00	5.00	0.82	2.00	2.53	20.36	-0.40	31.93	4.00
51	0.51	1.07	12.83	-2.97	1.20	1.07	1.20	4.00	2.77	15.95	8.14	0.00	8.14	130.41	1.21	0.00	5.00	0.81	2.00	2.51	20.95	-0.36	32.47	6.00
52	0.52	1.09	12.71	-2.88	1.17	1.09	1.17	4.00	2.76	15.95	8.30	0.00	8.30	130.29	1.18	0.00	5.00	0.81	2.00	2.50	21.34	-0.35	32.96	6.00
53	0.53	1.16	12.71	-2.49	1.10	1.16	1.10	4.00	2.72	15.97	8.46	0.00	8.46	136.10	1.10	0.00	5.00	0.79	2.00	2.46	22.72	-0.29	34.41	6.00
54	0.54	1.22	12.83	-2.20	1.05	1.22	1.05	4.00	2.69	16.00	8.62	0.00	8.62	140.53	1.06	0.00	5.00	0.78	2.00	2.43	23.90	-0.26	35.56	6.00
55	0.55	1.36	13.34	-1.63	0.98	1.36	0.98	4.00	2.64	16.09	8.78	0.00	8.78	153.90	0.99	0.00	5.00	0.76	2.00	2.38	26.66	-0.19	38.06	6.00
56	0.56	1.42	14.72	-1.34	1.04	1.42	1.04	4.00	2.63	16.22	8.94	0.00	8.94	157.80	1.04	0.00	5.00	0.76	2.00	2.37	27.85	-0.15	38.21	6.00
57	0.57	1.44	16.65	-1.34	1.16	1.44	1.16	4.00	2.65	16.36	9.10	0.00	9.10	157.15	1.16	0.00	5.00	0.77	2.00	2.39	28.24	-0.15	37.17	6.00
58	0.58	1.42	17.37	-1.34	1.22	1.42	1.22	4.00	2.67	16.41	9.27	0.00	9.27	152.19	1.23	0.00	5.00	0.77	2.00	2.41	27.84	-0.14	36.29	6.00
59	0.59	1.41	18.73	-1.34	1.33	1.41	1.33	4.00	2.69	16.49	9.43	0.00	9.43	148.45	1.34	0.00	5.00	0.78	2.00	2.43	27.64	-0.14	35.19	6.00
60	0.60	1.40	19.39	-1.25	1.39	1.40	1.39	4.00	2.70	16.53	9.60	0.00	9.60	144.84	1.39	0.00	5.00	0.79	2.00	2.45	27.44	-0.13	34.58	6.00
61	0.61	1.39	20.24	-1.25	1.45	1.39	1.46	4.00	2.71	16.57	9.76	0.00	9.76	141.34	1.47	0.00	5.00	0.79	2.00	2.46	27.24	-0.13	33.87	0.00
62	0.62	1.36	22.99	-1.15	1.69	1.36	1.69	4.00	2.75	16.71	9.93	0.00	9.93	135.92	1.70	0.00	5.00	0.81	2.00	2.51	26.64	-0.12	31.76	5.00
63	0.63	1.32	24.59	-1.25	1.86	1.32	1.86	4.00	2.79	16.78	10.10	0.00	10.10	129.69	1.88	0.00	4.00	0.82	2.00	2.54	25.85	-0.12	30.24	5.00
64	0.64	1.31	25.10	-1.34	1.92	1.31	1.92	4.00	2.80	16.80	10.27	0.00	10.27	126.57	1.93	0.00	4.00	0.83	2.00	2.55	25.65	-0.13	29.82	5.00
65	0.65	1.24	26.99	-1.44	2.17	1.24	2.18	4.00	2.85	16.86	10.44	0.00	10.44	117.80	2.20	0.00	4.00	0.85	2.00	2.60	24.26	-0.14	27.79	5.00
66	0.66	1.21	28.57	-1.44	2.36	1.21	2.36	4.00	2.87	16.92	10.60	0.00	10.60	113.08	2.38	0.00	4.00	0.86	2.00	2.63	23.67	-0.14	26.64	5.00
67	0.67	1.17	30.14	-1.63	2.57	1.17	2.58	3.00	2.91	16.97	10.77	0.00	10.77	107.56	2.60	0.00	4.00	0.87	2.00	2.67	22.87	-0.15	25.39	5.00
68	0.68	1.15	30.68	-1.63	2.66	1.15	2.67	3.00	2.92	16.98	10.94	0.00	10.94	104.05	2.69	0.00	4.00	0.88	2.00	2.69	22.48	-0.15	24.88	5.00
69	0.69	1.14	31.12	-1.63	2.74	1.14	2.73	3.00	2.93	16.99	11.11	0.00	11.11	101.55	2.76	0.00	4.00	0.88	2.00	2.69	22.28	-0.15	24.56	5.00
70	0.70	1.13	31.85	-1.63	2.81	1.13	2.82	3.00	2.94	17.02	11.28	0.00	11.28	99.11	2.85	0.00	4.00	0.89	2.00	2.71	22.07	-0.14	24.14	5.00
71	0.71	1.14	32.07	-1.63	2.81	1.14	2.81	3.00	2.94	17.03	11.45	0.00	11.45	98.50	2.84	0.00	4.00	0.89	2.00	2.70	22.27	-0.14	24.21	5.00
72	0.72	1.15	31.53	-1.53	2.75	1.15	2.74	3.00	2.93	17.01	11.62	0.00	11.62	97.90	2.77	0.00	4.00	0.88	2.00	2.69	22.46	-0.13	24.55	5.00
73	0.73	1.14	31.25	-1.63	2.75	1.14	2.74	3.00	2.93	17.00	11.79	0.00	11.79	95.63	2.77	0.00	4.00	0.88	2.00	2.70	22.26	-0.14	24.50	5.00
74	0.74	1.13	31.56	-1.63	2.80	1.13	2.79	3.00	2.94	17.01	11.96	0.00	11.96	93.42	2.82	0.00	4.00	0.89	2.00	2.70	22.06	-0.14	24.23	5.00
75	0.75	1.10	32.57	-1.63	2.96	1.10	2.96	3.00	2.96	17.03	12.13	0.00	12.13	89.62	2.99	0.00	4.00	0.90	2.00	2.73	21.47	-0.13	23.43	5.00
76	0.76	1.08	32.60	-1.73	3.02	1.08	3.02	3.00	2.98	17.03	12.30	0.00	12.30	86.74	3.05	0.00	4.00	0.90	2.00	2.74	21.07	-0.14	23.12	5.00
77	0.77	1.07	32.22	-1.73	3.02	1.07	3.01	3.00	2.98	17.01	12.47	0.00	12.47	84.74	3.05	0.00	4.00	0.90	2.00	2.74	20.87	-0.14	23.10	5.00
78	0.78	1.04	31.37	-1.82	3.03	1.04	3.02	3.00	2.99	16.97	12.64	0.00	12.64	81.22	3.05	0.00	4.00	0.91	2.00	2.75	20.27	-0.14	22.95	5.00
79	0.79	1.02	31.21	-1.82	3.06	1.02	3.06	3.00	3.00	16.95	12.81	0.00	12.81	78.57	3.10	0.00	4.00	0.91	2.00	2.76	19.87	-0.14	22.70	5.00
80	0.80	1.02	31.21	-1.82	3.06	1.02	3.06	3.00	3.00	16.95	12.98	0.00	12.98	77.53	3.10	0.00	4.00	0.91	2.00	2.77	19.87	-0.14	22.70	5.00
81	0.81	1.02	31.21	-1.82	3.06	1.02	3.06	3.00	3.00	16.95	13.15	0.00	13.15	76.52	3.10	0.00	4.00	0.91	2.00	2.77	19.87	-0.14	22.69	5.00
82	0.82	1.01	28.47	-3.07	2.82	1.01	2.82	3.00	2.98	16.84	13.32	0.00	13.32	74.77	2.86	0.00	4.00	0.90	2.00	2.75	19.66	-0.23	23.50	5.00
83	0.83	1.01	28.47	-3.07	2.82	1.01	2.82	3.00	2.98	16.84	13.49	0.00	13.49	73.82	2.86	0.00	4.00	0.90	2.00	2.75	19.66	-0.23	23.50	5.00
84	0.84	1.01	28.47	-2.49	2.82	1.01	2.82	3.00	2.98	16.84	13.66	0.00	13.66	72.91	2.86	0.00	4.00	0.90	2.00	2.75	19.66	-0.18	23.50	5.00
85	0.85	0.99	27.65	-10.16	2.78	0.99	2.80	3.00	2.99	16.80	13.83	0.00	13.83	70.45	2.84	-0.01	4.00	0.91	2.00	2.75	19.23	-0.73	23.46	5.00
86	0.86	1.03	25.44	-7.19	2.47	1.03	2.47	3.00	2.94	16.72	13.99	0.00	13.99	72.50	2.51	-0.01	4.00	0.89	2.00	2.71	20.02	-0.51	24.98	5.00
87	0.87	1.05	25.35	-6.90	2.41	1.05	2.42	3.00	2.93	16.72	14.16	0.00	14.16	73.05	2.45	-0.01	4.00	0.88	2.00	2.69	20.42	-0.49	25.34	5.00
88	0.88	1.08	25.82	-8.24	2.38	1.08	2.39	3.00	2.92	16.76	14.33	0.00	14.33	74.25	2.43	-0.01	4.00	0.88	2.00	2.68	21.00	-0.58	25.63	5.00
89	0.89	1.10	25.85	-6.04	2.35	1.10	2.35	3.00	2.91	16.77	14.50	0.00	14.50	74.79	2.38	-0.01	4.00	0.87	2.00	2.67	21.40	-0.42	25.95	5.00
90	0.90	1.11	26.04	-2.97	2.34	1.11	2.35	3.00	2.90	16.78	14.66	0.00	14.66	74.65	2.38	0.00	4.00	0.87	2.00	2.67	21.61	-0.20	26.04	5.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
91	0.91	1.12	26.33	-1.15	2.36	1.12	2.35	3.00	2.90	16.79	14.83	0.00	14.83	74.50	2.38	0.00	4.00	0.87	2.00	2.66	21.81	-0.08	26.08	5.00
92	0.92	1.13	27.21	-0.19	2.41	1.13	2.41	3.00	2.90	16.83	15.00	0.00	15.00	74.33	2.44	0.00	4.00	0.87	2.00	2.67	22.01	-0.01	25.87	5.00
93	0.93	1.15	28.82	-0.86	2.50	1.15	2.51	3.00	2.91	16.91	15.17	0.00	15.17	74.80	2.54	0.00	4.00	0.88	2.00	2.67	22.40	-0.06	25.53	5.00
94	0.94	1.17	29.92	-5.18	2.56	1.17	2.56	3.00	2.91	16.96	15.34	0.00	15.34	75.21	2.59	0.00	4.00	0.88	2.00	2.67	22.77	-0.34	25.39	5.00
95	0.95	1.19	32.76	-5.56	2.75	1.19	2.76	3.00	2.92	17.07	15.51	0.00	15.51	75.65	2.79	0.00	4.00	0.88	2.00	2.68	23.16	-0.36	24.62	5.00
96	0.96	1.23	35.69	-9.49	2.91	1.23	2.91	3.00	2.92	17.18	15.68	0.00	15.68	77.31	2.94	-0.01	4.00	0.88	2.00	2.69	23.93	-0.61	24.16	5.00
97	0.97	1.25	37.49	-9.20	3.00	1.25	3.00	3.00	2.92	17.24	15.85	0.00	15.85	77.72	3.04	-0.01	4.00	0.88	2.00	2.69	24.32	-0.58	23.83	5.00
98	0.98	1.34	40.61	-9.97	3.04	1.34	3.04	3.00	2.90	17.36	16.03	0.00	16.03	82.48	3.07	-0.01	4.00	0.88	2.00	2.67	26.09	-0.62	24.04	5.00
99	0.99	1.39	42.22	-10.64	3.04	1.39	3.04	3.00	2.89	17.42	16.20	0.00	16.20	84.66	3.08	-0.01	4.00	0.87	2.00	2.66	27.07	-0.66	24.18	5.00
100	1.00	1.51	46.07	-16.01	3.06	1.51	3.06	3.00	2.86	17.55	16.38	0.00	16.38	91.00	3.09	-0.01	4.00	0.86	2.00	2.63	29.42	-0.98	24.49	5.00
101	1.01	1.55	47.86	-20.61	3.09	1.55	3.10	3.00	2.86	17.60	16.55	0.00	16.55	92.38	3.13	-0.01	4.00	0.86	2.00	2.63	30.18	-1.25	24.43	5.00
102	1.02	1.58	49.72	-27.51	3.15	1.57	3.16	3.00	2.85	17.66	16.73	0.00	16.73	93.10	3.19	-0.02	4.00	0.86	2.00	2.63	30.74	-1.64	24.23	5.00
103	1.03	1.59	52.40	-35.56	3.29	1.58	3.31	3.00	2.87	17.72	16.91	0.00	16.91	92.60	3.35	-0.02	4.00	0.86	2.00	2.64	30.90	-2.10	23.58	5.00
104	1.04	1.49	55.21	-8.15	3.71	1.49	3.71	3.00	2.92	17.75	17.08	0.00	17.08	86.11	3.75	-0.01	4.00	0.88	2.00	2.69	29.04	-0.48	21.81	3.00
105	1.05	1.43	56.03	-7.09	3.91	1.43	3.92	3.00	2.95	17.76	17.26	0.00	17.26	81.75	3.97	-0.01	4.00	0.90	2.00	2.72	27.86	-0.41	20.96	3.00
106	1.06	1.36	56.00	-5.18	4.13	1.36	4.12	3.00	2.98	17.74	17.44	0.00	17.44	76.92	4.17	0.00	4.00	0.91	2.00	2.75	26.48	-0.30	20.21	3.00
107	1.07	1.34	55.21	-5.08	4.13	1.34	4.12	3.00	2.98	17.71	17.62	0.00	17.62	75.00	4.18	0.00	4.00	0.91	2.00	2.76	26.08	-0.29	20.16	3.00
108	1.08	1.31	52.88	-5.27	4.04	1.31	4.04	3.00	2.98	17.66	17.79	0.00	17.79	72.56	4.10	0.00	4.00	0.91	2.00	2.76	25.48	-0.30	20.35	3.00
109	1.09	1.29	52.09	-5.46	4.03	1.29	4.04	3.00	2.99	17.63	17.97	0.00	17.97	70.73	4.10	0.00	4.00	0.91	2.00	2.77	25.09	-0.30	20.30	3.00
110	1.10	1.26	51.61	-6.04	4.11	1.26	4.10	3.00	3.00	17.61	18.15	0.00	18.15	68.37	4.16	0.00	3.00	0.92	2.00	2.78	24.49	-0.33	20.07	3.00
111	1.11	1.21	50.54	-7.09	4.17	1.21	4.18	3.00	3.02	17.57	18.32	0.00	18.32	64.96	4.25	-0.01	3.00	0.92	2.00	2.80	23.49	-0.39	19.73	3.00
112	1.12	1.20	49.75	-7.19	4.16	1.20	4.15	3.00	3.02	17.55	18.50	0.00	18.50	63.79	4.22	-0.01	3.00	0.92	2.00	2.80	23.29	-0.39	19.79	3.00
113	1.13	1.16	48.56	-6.71	4.17	1.16	4.19	3.00	3.03	17.51	18.67	0.00	18.67	61.05	4.26	-0.01	3.00	0.93	2.00	2.81	22.50	-0.36	19.60	3.00
114	1.14	1.15	47.48	-6.61	4.12	1.15	4.13	3.00	3.03	17.48	18.85	0.00	18.85	59.95	4.20	-0.01	3.00	0.93	2.00	2.81	22.30	-0.35	19.73	3.00
115	1.15	1.13	44.77	-5.56	3.97	1.13	3.97	3.00	3.03	17.41	19.02	0.00	19.02	58.35	4.03	-0.01	3.00	0.93	2.00	2.80	21.91	-0.29	20.15	3.00
116	1.16	1.11	42.91	-5.27	3.88	1.11	3.87	3.00	3.03	17.35	19.19	0.00	19.19	56.77	3.94	0.00	3.00	0.93	2.00	2.80	21.51	-0.27	20.37	3.00
117	1.17	1.07	38.94	-5.27	3.65	1.07	3.64	3.00	3.03	17.23	19.37	0.00	19.37	54.19	3.71	-0.01	3.00	0.93	2.00	2.80	20.72	-0.27	20.91	3.00
118	1.18	1.06	36.39	-5.27	3.42	1.06	3.44	3.00	3.02	17.14	19.54	0.00	19.54	53.20	3.50	-0.01	4.00	0.92	2.00	2.79	20.52	-0.27	21.52	3.00
119	1.19	1.06	34.56	-5.27	3.27	1.06	3.26	3.00	3.00	17.09	19.71	0.00	19.71	52.73	3.33	-0.01	4.00	0.92	2.00	2.77	20.51	-0.27	22.08	5.00
120	1.20	1.07	30.36	-5.27	2.84	1.07	2.84	3.00	2.96	16.94	19.88	0.00	19.88	52.77	2.89	-0.01	4.00	0.90	2.00	2.73	20.71	-0.27	23.63	5.00
121	1.21	1.07	28.12	-5.27	2.62	1.07	2.63	3.00	2.95	16.85	20.05	0.00	20.05	52.32	2.68	-0.01	4.00	0.89	2.00	2.71	20.70	-0.26	24.46	5.00
122	1.22	1.10	25.73	-5.27	2.34	1.10	2.34	3.00	2.91	16.76	20.21	0.00	20.21	53.36	2.39	0.00	4.00	0.88	2.00	2.67	21.29	-0.26	25.91	5.00
123	1.23	1.11	24.81	-5.27	2.23	1.11	2.24	4.00	2.89	16.72	20.38	0.00	20.38	53.41	2.28	0.00	4.00	0.87	2.00	2.66	21.49	-0.26	26.46	5.00
124	1.24	1.11	22.83	-5.37	2.06	1.11	2.06	4.00	2.87	16.63	20.55	0.00	20.55	52.97	2.10	0.00	4.00	0.86	2.00	2.64	21.48	-0.26	27.36	5.00
125	1.25	1.09	22.32	-5.37	2.04	1.09	2.05	4.00	2.88	16.59	20.71	0.00	20.71	51.57	2.09	-0.01	4.00	0.87	2.00	2.64	21.08	-0.26	27.25	5.00
126	1.26	1.06	20.37	-5.37	1.92	1.06	1.92	4.00	2.88	16.48	20.88	0.00	20.88	49.72	1.96	-0.01	4.00	0.86	2.00	2.64	20.49	-0.26	27.66	4.00
127	1.27	1.05	19.17	-5.37	1.82	1.05	1.83	4.00	2.87	16.40	21.04	0.00	21.04	48.85	1.87	-0.01	4.00	0.86	2.00	2.63	20.29	-0.26	28.09	4.00
128	1.28	1.03	17.53	-5.46	1.70	1.03	1.70	4.00	2.86	16.29	21.21	0.00	21.21	47.52	1.74	-0.01	4.00	0.86	2.00	2.62	19.89	-0.26	28.57	4.00
129	1.29	1.03	17.15	-5.46	1.67	1.03	1.67	4.00	2.85	16.27	21.37	0.00	21.37	47.15	1.70	-0.01	4.00	0.86	2.00	2.61	19.89	-0.26	28.78	4.00
130	1.30	1.04	16.55	-5.37	1.59	1.04	1.59	4.00	2.84	16.23	21.53	0.00	21.53	47.25	1.63	-0.01	4.00	0.85	2.00	2.60	20.08	-0.25	29.30	4.00
131	1.31	1.08	16.81	-5.37	1.56	1.08	1.56	4.00	2.82	16.26	21.69	0.00	21.69	48.73	1.59	-0.01	4.00	0.84	2.00	2.58	20.87	-0.25	29.92	4.00
132	1.32	1.12	16.90	-5.27	1.51	1.12	1.51	4.00	2.80	16.28	21.86	0.00	21.86	50.19	1.54	0.00	4.00	0.83	2.00	2.56	21.65	-0.24	30.63	4.00
133	1.33	1.16	17.81	-5.18	1.53	1.16	1.54	4.00	2.79	16.36	22.02	0.00	22.02	51.63	1.57	0.00	4.00	0.83	2.00	2.55	22.44	-0.24	30.85	4.00
134	1.34	1.19	17.97	-5.08	1.51	1.19	1.51	4.00	2.78	16.38	22.18	0.00	22.18	52.60	1.54	0.00	4.00	0.83	2.00	2.53	23.03	-0.23	31.32	4.00
135	1.35	1.22	18.29	-5.08	1.50	1.22	1.50	4.00	2.77	16.41	22.35	0.00	22.35	53.55	1.53	0.00	5.00	0.82	2.00	2.52	23.62	-0.23	31.69	4.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
136	1.36	1.33	19.14	-4.98	1.44	1.33	1.44	4.00	2.73	16.49	22.51	0.00	22.51	58.03	1.47	0.00	5.00	0.81	2.00	2.48	25.79	-0.22	33.20	6.00
137	1.37	1.44	19.23	-4.89	1.34	1.44	1.34	4.00	2.68	16.53	22.68	0.00	22.68	62.45	1.36	0.00	5.00	0.79	2.00	2.43	27.96	-0.22	35.16	6.00
138	1.38	1.63	21.00	-4.70	1.29	1.63	1.29	4.00	2.63	16.68	22.84	0.00	22.84	70.31	1.31	0.00	5.00	0.77	2.00	2.38	31.70	-0.21	37.42	7.00
139	1.39	1.69	21.35	-4.70	1.26	1.69	1.26	4.00	2.61	16.71	23.01	0.00	23.01	72.40	1.28	0.00	5.00	0.76	2.00	2.36	32.88	-0.20	38.24	7.00
140	1.40	1.72	22.29	-4.70	1.30	1.72	1.30	4.00	2.61	16.77	23.18	0.00	23.18	73.16	1.31	0.00	5.00	0.76	2.00	2.36	33.47	-0.20	38.14	7.00
141	1.41	1.71	23.93	-4.70	1.40	1.71	1.40	4.00	2.63	16.85	23.35	0.00	23.35	72.20	1.42	0.00	5.00	0.77	2.00	2.38	33.27	-0.20	36.91	7.00
142	1.42	1.68	24.85	-4.70	1.48	1.68	1.48	4.00	2.65	16.88	23.52	0.00	23.52	70.40	1.50	0.00	5.00	0.78	2.00	2.40	32.68	-0.20	35.85	7.00
143	1.43	1.57	26.23	-4.79	1.67	1.57	1.67	4.00	2.70	16.92	23.69	0.00	23.69	65.24	1.70	0.00	5.00	0.80	2.00	2.46	30.50	-0.20	33.26	7.00
144	1.44	1.51	27.24	-4.79	1.80	1.51	1.81	4.00	2.73	16.95	23.85	0.00	23.85	62.26	1.83	0.00	5.00	0.81	2.00	2.49	29.31	-0.20	31.76	5.00
145	1.45	1.41	28.19	-4.89	2.00	1.41	2.00	4.00	2.78	16.96	24.02	0.00	24.02	57.65	2.04	0.00	4.00	0.83	2.00	2.54	27.34	-0.20	29.72	5.00
146	1.46	1.36	28.12	-4.89	2.07	1.36	2.07	4.00	2.80	16.94	24.19	0.00	24.19	55.17	2.11	0.00	4.00	0.84	2.00	2.57	26.35	-0.20	28.96	5.00
147	1.47	1.27	28.35	-4.98	2.24	1.27	2.23	4.00	2.84	16.93	24.36	0.00	24.36	51.08	2.28	0.00	4.00	0.86	2.00	2.61	24.57	-0.20	27.44	5.00
148	1.48	1.22	28.22	-5.08	2.31	1.22	2.32	4.00	2.87	16.91	24.53	0.00	24.53	48.69	2.36	0.00	4.00	0.87	2.00	2.63	23.58	-0.21	26.71	5.00
149	1.49	1.19	28.38	-5.18	2.38	1.19	2.39	3.00	2.88	16.90	24.70	0.00	24.70	47.13	2.44	0.00	4.00	0.87	2.00	2.65	22.98	-0.21	26.17	5.00
150	1.50	1.13	27.87	-5.27	2.47	1.13	2.47	3.00	2.91	16.86	24.87	0.00	24.87	44.39	2.52	0.00	4.00	0.88	2.00	2.68	21.79	-0.21	25.43	5.00
151	1.51	1.10	27.68	-5.27	2.52	1.10	2.52	3.00	2.93	16.84	25.04	0.00	25.04	42.89	2.58	0.00	4.00	0.89	2.00	2.69	21.20	-0.21	25.03	5.00
152	1.52	1.08	27.12	-5.37	2.51	1.08	2.51	3.00	2.93	16.81	25.21	0.00	25.21	41.80	2.57	-0.01	4.00	0.89	2.00	2.70	20.80	-0.21	24.93	5.00
153	1.53	1.06	25.19	-5.37	2.37	1.06	2.38	3.00	2.92	16.72	25.37	0.00	25.37	40.73	2.44	-0.01	4.00	0.89	2.00	2.69	20.40	-0.21	25.39	5.00
154	1.54	1.05	24.15	-5.37	2.31	1.05	2.30	3.00	2.92	16.67	25.54	0.00	25.54	40.07	2.36	-0.01	4.00	0.89	2.00	2.69	20.20	-0.21	25.66	5.00
155	1.55	1.04	23.30	-5.37	2.25	1.04	2.24	3.00	2.92	16.62	25.71	0.00	25.71	39.41	2.30	-0.01	4.00	0.89	2.00	2.68	20.00	-0.21	25.86	5.00
156	1.56	1.01	21.57	-5.46	2.13	1.01	2.14	3.00	2.92	16.52	25.87	0.00	25.87	37.99	2.19	-0.01	4.00	0.89	2.00	2.68	19.40	-0.21	26.12	4.00
157	1.57	1.01	20.56	-5.46	2.03	1.01	2.04	4.00	2.91	16.47	26.04	0.00	26.04	37.75	2.09	-0.01	4.00	0.88	2.00	2.67	19.40	-0.21	26.59	4.00
158	1.58	1.02	18.38	-5.46	1.80	1.02	1.80	4.00	2.88	16.34	26.20	0.00	26.20	37.89	1.85	-0.01	4.00	0.87	2.00	2.64	19.59	-0.21	27.84	4.00
159	1.59	1.03	17.78	-5.46	1.73	1.03	1.73	4.00	2.86	16.31	26.36	0.00	26.36	38.03	1.77	-0.01	4.00	0.86	2.00	2.62	19.79	-0.21	28.34	4.00
160	1.60	1.04	17.09	-5.46	1.64	1.04	1.65	4.00	2.85	16.27	26.53	0.00	26.53	38.16	1.69	-0.01	4.00	0.86	2.00	2.61	19.98	-0.21	28.90	4.00
161	1.61	1.06	17.40	-5.37	1.65	1.06	1.64	4.00	2.84	16.30	26.69	0.00	26.69	38.67	1.69	-0.01	4.00	0.85	2.00	2.60	20.37	-0.20	29.11	4.00
162	1.62	1.12	16.90	-5.27	1.51	1.12	1.51	4.00	2.80	16.28	26.85	0.00	26.85	40.67	1.55	0.00	4.00	0.84	2.00	2.56	21.56	-0.20	30.53	4.00
163	1.63	1.18	16.71	-5.18	1.42	1.18	1.42	4.00	2.77	16.29	27.01	0.00	27.01	42.64	1.45	0.00	5.00	0.83	2.00	2.52	22.74	-0.19	31.79	4.00
164	1.64	1.30	16.90	-4.98	1.30	1.30	1.30	4.00	2.71	16.34	27.18	0.00	27.18	46.79	1.33	0.00	5.00	0.80	2.00	2.47	25.10	-0.18	33.96	6.00
165	1.65	1.36	17.28	-4.89	1.27	1.36	1.27	4.00	2.69	16.38	27.34	0.00	27.34	48.70	1.30	0.00	5.00	0.80	2.00	2.45	26.28	-0.18	34.85	6.00
166	1.66	1.39	17.22	-4.89	1.24	1.39	1.24	4.00	2.68	16.39	27.51	0.00	27.51	49.50	1.26	0.00	5.00	0.79	2.00	2.43	26.87	-0.18	35.46	6.00
167	1.67	1.41	17.66	-4.89	1.25	1.41	1.25	4.00	2.67	16.42	27.67	0.00	27.67	49.92	1.28	0.00	5.00	0.79	2.00	2.43	27.26	-0.18	35.54	6.00
168	1.68	1.41	17.66	-4.89	1.25	1.41	1.25	4.00	2.67	16.42	27.83	0.00	27.83	49.62	1.28	0.00	5.00	0.79	2.00	2.43	27.26	-0.18	35.54	6.00
169	1.69	1.40	17.97	-4.89	1.28	1.40	1.28	4.00	2.68	16.44	28.00	0.00	28.00	48.97	1.31	0.00	5.00	0.79	2.00	2.44	27.06	-0.17	35.14	6.00
170	1.70	1.37	17.75	-4.98	1.30	1.37	1.30	4.00	2.69	16.42	28.16	0.00	28.16	47.61	1.32	0.00	5.00	0.80	2.00	2.45	26.47	-0.18	34.72	6.00
171	1.71	1.34	17.53	-4.98	1.31	1.34	1.31	4.00	2.70	16.39	28.33	0.00	28.33	46.27	1.34	0.00	5.00	0.80	2.00	2.46	25.87	-0.18	34.29	6.00
172	1.72	1.27	17.72	-5.08	1.40	1.27	1.40	4.00	2.74	16.39	28.49	0.00	28.49	43.54	1.43	0.00	5.00	0.81	2.00	2.49	24.48	-0.18	32.85	6.00
173	1.73	1.24	17.81	-5.08	1.43	1.24	1.44	4.00	2.75	16.38	28.65	0.00	28.65	42.24	1.47	0.00	5.00	0.82	2.00	2.51	23.89	-0.18	32.23	6.00
174	1.74	1.23	17.81	-5.18	1.45	1.23	1.45	4.00	2.76	16.38	28.82	0.00	28.82	41.64	1.48	0.00	5.00	0.82	2.00	2.52	23.69	-0.18	32.04	6.00
175	1.75	1.18	18.16	-5.27	1.54	1.18	1.54	4.00	2.79	16.39	28.98	0.00	28.98	39.68	1.58	0.00	4.00	0.83	2.00	2.55	22.70	-0.18	30.89	4.00
176	1.76	1.15	18.13	-5.27	1.58	1.15	1.58	4.00	2.80	16.37	29.15	0.00	29.15	38.42	1.62	0.00	4.00	0.84	2.00	2.56	22.10	-0.18	30.35	4.00
177	1.77	1.09	18.44	-5.46	1.68	1.09	1.69	4.00	2.84	16.37	29.31	0.00	29.31	36.15	1.74	-0.01	4.00	0.85	2.00	2.60	20.91	-0.19	29.05	4.00
178	1.78	1.05	18.73	-5.46	1.78	1.05	1.79	4.00	2.86	16.38	29.47	0.00	29.47	34.59	1.84	-0.01	4.00	0.87	2.00	2.63	20.12	-0.19	28.16	4.00
179	1.79	1.01	18.92	-5.56	1.86	1.01	1.88	4.00	2.89	16.37	29.64	0.00	29.64	33.04	1.93	-0.01	4.00	0.88	2.00	2.65	19.33	-0.19	27.32	4.00
180	1.80	0.97	18.60	-5.75	1.91	0.97	1.92	4.00	2.91	16.34	29.80	0.00	29.80	31.51	1.98	-0.01	4.00	0.88	2.00	2.67	18.53	-0.19	26.74	4.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
181	1.81	0.97	18.38	-5.75	1.90	0.97	1.90	4.00	2.91	16.32	29.96	0.00	29.96	31.33	1.96	-0.01	4.00	0.88	2.00	2.67	18.53	-0.19	26.85	4.00
182	1.82	0.98	17.18	-5.75	1.76	0.98	1.76	4.00	2.88	16.25	30.13	0.00	30.13	31.49	1.81	-0.01	4.00	0.87	2.00	2.65	18.73	-0.19	27.64	4.00
183	1.83	0.97	16.71	-5.65	1.72	0.97	1.72	4.00	2.88	16.22	30.29	0.00	30.29	30.99	1.78	-0.01	4.00	0.87	2.00	2.65	18.53	-0.19	27.70	4.00
184	1.84	0.98	17.34	-5.56	1.77	0.98	1.77	4.00	2.89	16.26	30.45	0.00	30.45	31.14	1.83	-0.01	4.00	0.87	2.00	2.65	18.72	-0.18	27.55	4.00
185	1.85	0.99	17.78	-5.56	1.79	0.99	1.80	4.00	2.89	16.29	30.61	0.00	30.61	31.30	1.86	-0.01	4.00	0.87	2.00	2.65	18.91	-0.18	27.51	4.00
186	1.86	1.00	17.47	-5.56	1.74	1.00	1.75	4.00	2.88	16.28	30.78	0.00	30.78	31.45	1.80	-0.01	4.00	0.87	2.00	2.64	19.11	-0.18	27.86	4.00
187	1.87	1.05	17.12	-5.37	1.63	1.05	1.63	4.00	2.84	16.27	30.94	0.00	30.94	32.90	1.68	-0.01	4.00	0.86	2.00	2.60	20.09	-0.17	28.99	4.00
188	1.88	1.07	16.81	-5.37	1.57	1.07	1.57	4.00	2.83	16.26	31.10	0.00	31.10	33.37	1.62	-0.01	4.00	0.85	2.00	2.59	20.48	-0.17	29.54	4.00
189	1.89	1.07	16.81	-5.37	1.57	1.07	1.57	4.00	2.83	16.26	31.26	0.00	31.26	33.19	1.62	-0.01	4.00	0.85	2.00	2.59	20.48	-0.17	29.54	4.00
190	1.90	1.07	16.81	-5.37	1.57	1.07	1.57	4.00	2.83	16.26	31.43	0.00	31.43	33.01	1.62	-0.01	4.00	0.85	2.00	2.59	20.48	-0.17	29.54	4.00
191	1.91	1.12	12.27	-6.61	1.09	1.12	1.10	4.00	2.73	15.91	31.59	0.00	31.59	34.41	1.13	-0.01	5.00	0.81	2.00	2.49	21.46	-0.21	33.39	6.00
192	1.92	1.19	11.82	-6.52	1.00	1.19	0.99	4.00	2.69	15.90	31.75	0.00	31.75	36.44	1.02	-0.01	5.00	0.80	2.00	2.44	22.84	-0.21	35.18	6.00
193	1.93	1.22	11.35	-6.52	0.93	1.22	0.93	4.00	2.67	15.86	31.90	0.00	31.90	37.20	0.96	-0.01	5.00	0.79	2.00	2.42	23.42	-0.20	36.17	6.00
194	1.94	1.30	11.35	-6.33	0.87	1.30	0.87	4.00	2.63	15.88	32.06	0.00	32.06	39.50	0.90	-0.01	5.00	0.77	2.00	2.38	25.00	-0.20	37.88	6.00
195	1.95	1.36	11.63	-6.23	0.85	1.36	0.86	4.00	2.61	15.93	32.22	0.00	32.22	41.17	0.88	0.00	5.00	0.76	2.00	2.36	26.18	-0.19	38.92	6.00
196	1.96	1.52	12.20	-6.04	0.80	1.52	0.80	5.00	2.56	16.03	32.38	0.00	32.38	45.90	0.82	0.00	5.00	0.74	2.00	2.30	29.34	-0.19	41.81	6.00
197	1.97	1.62	12.58	-5.85	0.78	1.62	0.78	5.00	2.52	16.09	32.54	0.00	32.54	48.74	0.79	0.00	5.00	0.73	2.00	2.27	31.31	-0.18	43.56	6.00
198	1.98	1.82	12.96	-5.65	0.71	1.82	0.71	5.00	2.46	16.16	32.70	0.00	32.70	54.61	0.73	0.00	5.00	0.71	2.00	2.21	35.26	-0.17	47.35	6.00
199	1.99	1.92	14.63	-5.56	0.76	1.92	0.76	5.00	2.45	16.32	32.87	0.00	32.87	57.38	0.78	0.00	5.00	0.70	2.00	2.20	37.23	-0.17	47.76	6.00
200	2.00	1.99	17.88	-5.46	0.90	1.99	0.90	5.00	2.47	16.57	33.03	0.00	33.03	59.21	0.91	0.00	5.00	0.71	2.00	2.22	38.60	-0.17	46.16	6.00
201	2.01	2.06	23.40	-5.37	1.14	2.06	1.14	5.00	2.51	16.89	33.20	0.00	33.20	61.01	1.16	0.00	5.00	0.73	2.00	2.27	39.98	-0.16	43.02	7.00
202	2.02	2.06	26.83	-5.37	1.30	2.06	1.30	5.00	2.54	17.05	33.37	0.00	33.37	60.69	1.32	0.00	5.00	0.74	2.00	2.30	39.98	-0.16	40.65	7.00
203	2.03	2.05	29.73	-5.37	1.45	2.05	1.45	4.00	2.57	17.16	33.54	0.00	33.54	60.08	1.48	0.00	5.00	0.75	2.00	2.33	39.78	-0.16	38.68	7.00
204	2.04	2.03	36.48	-5.37	1.79	2.03	1.80	4.00	2.62	17.40	33.72	0.00	33.72	59.17	1.83	0.00	5.00	0.78	2.00	2.39	39.38	-0.16	34.77	7.00
205	2.05	2.00	39.00	-5.37	1.95	2.00	1.95	4.00	2.65	17.47	33.89	0.00	33.89	57.98	1.98	0.00	5.00	0.79	2.00	2.42	38.79	-0.16	33.19	7.00
206	2.06	1.92	43.54	-5.37	2.26	1.92	2.27	4.00	2.70	17.58	34.07	0.00	34.07	55.32	2.31	0.00	5.00	0.81	2.00	2.47	37.20	-0.16	30.27	5.00
207	2.07	1.91	44.84	-5.37	2.34	1.91	2.35	4.00	2.71	17.61	34.25	0.00	34.25	54.74	2.39	0.00	4.00	0.81	2.00	2.48	37.00	-0.16	29.65	5.00
208	2.08	1.89	45.50	-5.46	2.41	1.89	2.41	4.00	2.72	17.62	34.42	0.00	34.42	53.87	2.45	0.00	4.00	0.82	2.00	2.50	36.60	-0.16	29.16	5.00
209	2.09	1.86	46.92	-5.46	2.52	1.86	2.52	4.00	2.74	17.65	34.60	0.00	34.60	52.73	2.57	0.00	4.00	0.82	2.00	2.51	36.01	-0.16	28.29	5.00
210	2.10	1.85	47.42	-5.37	2.57	1.85	2.56	4.00	2.74	17.66	34.77	0.00	34.77	52.17	2.61	0.00	4.00	0.83	2.00	2.52	35.81	-0.15	28.00	5.00
211	2.11	1.83	48.30	-5.46	2.64	1.83	2.64	4.00	2.76	17.68	34.95	0.00	34.95	51.33	2.69	0.00	4.00	0.83	2.00	2.53	35.41	-0.16	27.46	5.00
212	2.12	1.83	48.84	-5.46	2.67	1.83	2.67	4.00	2.76	17.69	35.13	0.00	35.13	51.06	2.72	0.00	4.00	0.83	2.00	2.54	35.41	-0.16	27.29	5.00
213	2.13	1.83	48.15	-5.46	2.63	1.83	2.63	4.00	2.76	17.68	35.30	0.00	35.30	50.80	2.68	0.00	4.00	0.83	2.00	2.53	35.40	-0.15	27.51	5.00
214	2.14	1.84	45.97	-5.37	2.50	1.84	2.50	4.00	2.74	17.62	35.48	0.00	35.48	50.83	2.55	0.00	4.00	0.83	2.00	2.52	35.60	-0.15	28.37	5.00
215	2.15	1.85	40.74	-5.37	2.20	1.85	2.20	4.00	2.71	17.49	35.66	0.00	35.66	50.85	2.25	0.00	5.00	0.81	2.00	2.48	35.79	-0.15	30.44	5.00
216	2.16	1.85	38.15	-5.37	2.06	1.85	2.06	4.00	2.69	17.41	35.83	0.00	35.83	50.60	2.10	0.00	5.00	0.81	2.00	2.46	35.79	-0.15	31.51	5.00
217	2.17	1.86	34.56	-5.37	1.86	1.86	1.86	4.00	2.66	17.30	36.00	0.00	36.00	50.63	1.90	0.00	5.00	0.79	2.00	2.43	35.98	-0.15	33.27	7.00
218	2.18	1.87	32.48	-5.37	1.73	1.87	1.74	4.00	2.64	17.23	36.18	0.00	36.18	50.66	1.77	0.00	5.00	0.79	2.00	2.41	36.17	-0.15	34.43	7.00
219	2.19	1.90	29.98	-5.37	1.58	1.90	1.58	4.00	2.62	17.15	36.35	0.00	36.35	51.24	1.61	0.00	5.00	0.77	2.00	2.38	36.76	-0.15	36.20	7.00
220	2.20	1.97	27.34	-5.18	1.39	1.97	1.39	4.00	2.57	17.05	36.52	0.00	36.52	52.92	1.41	0.00	5.00	0.76	2.00	2.33	38.14	-0.14	38.84	7.00
221	2.21	2.03	27.71	-5.08	1.36	2.03	1.37	4.00	2.56	17.08	36.69	0.00	36.69	54.30	1.39	0.00	5.00	0.75	2.00	2.32	39.32	-0.14	39.56	7.00
222	2.22	2.08	28.28	-5.08	1.36	2.08	1.36	4.00	2.55	17.11	36.86	0.00	36.86	55.40	1.38	0.00	5.00	0.75	2.00	2.31	40.31	-0.14	39.98	7.00
223	2.23	2.16	29.51	-4.98	1.37	2.16	1.37	5.00	2.53	17.18	37.03	0.00	37.03	57.30	1.39	0.00	5.00	0.74	2.00	2.30	41.88	-0.13	40.46	7.00
224	2.24	2.17	29.95	-4.98	1.38	2.17	1.38	5.00	2.54	17.20	37.20	0.00	37.20	57.30	1.40	0.00	5.00	0.74	2.00	2.30	42.08	-0.13	40.33	7.00
225	2.25	2.16	31.37	-4.98	1.45	2.16	1.45	4.00	2.55	17.25	37.38	0.00	37.38	56.76	1.48	0.00	5.00	0.75	2.00	2.31	41.88	-0.13	39.32	7.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
226	2.26	2.15	32.57	-4.89	1.51	2.15	1.52	4.00	2.56	17.29	37.55	0.00	37.55	56.23	1.54	0.00	5.00	0.75	2.00	2.33	41.68	-0.13	38.48	7.00
227	2.27	2.16	33.77	-4.89	1.57	2.16	1.56	4.00	2.57	17.33	37.72	0.00	37.72	56.23	1.59	0.00	5.00	0.76	2.00	2.33	41.87	-0.13	37.96	7.00
228	2.28	2.17	35.09	-4.89	1.61	2.17	1.62	4.00	2.57	17.38	37.90	0.00	37.90	56.24	1.65	0.00	5.00	0.76	2.00	2.34	42.06	-0.13	37.39	7.00
229	2.29	2.18	36.01	-4.79	1.65	2.18	1.65	4.00	2.58	17.41	38.07	0.00	38.07	56.24	1.68	0.00	5.00	0.76	2.00	2.34	42.26	-0.13	37.04	7.00
230	2.30	2.19	37.24	-4.79	1.70	2.19	1.70	4.00	2.58	17.45	38.24	0.00	38.24	56.24	1.73	0.00	5.00	0.76	2.00	2.35	42.45	-0.13	36.55	7.00
231	2.31	2.19	37.58	-4.79	1.72	2.19	1.72	4.00	2.58	17.46	38.42	0.00	38.42	55.98	1.75	0.00	5.00	0.77	2.00	2.35	42.45	-0.12	36.38	7.00
232	2.32	2.18	37.62	-4.79	1.73	2.18	1.73	4.00	2.59	17.46	38.59	0.00	38.59	55.46	1.76	0.00	5.00	0.77	2.00	2.36	42.25	-0.12	36.22	7.00
233	2.33	2.17	37.58	-4.79	1.73	2.17	1.73	4.00	2.59	17.46	38.77	0.00	38.77	54.95	1.76	0.00	5.00	0.77	2.00	2.36	42.05	-0.12	36.10	7.00
234	2.34	2.15	37.14	-4.89	1.73	2.15	1.73	4.00	2.59	17.44	38.94	0.00	38.94	54.18	1.76	0.00	5.00	0.77	2.00	2.36	41.65	-0.13	36.04	7.00
235	2.35	2.12	36.13	-4.79	1.70	2.12	1.71	4.00	2.59	17.40	39.12	0.00	39.12	53.17	1.74	0.00	5.00	0.77	2.00	2.36	41.05	-0.12	36.13	7.00
236	2.36	2.11	35.91	-4.79	1.70	2.11	1.70	4.00	2.60	17.39	39.29	0.00	39.29	52.68	1.74	0.00	5.00	0.77	2.00	2.36	40.85	-0.12	36.10	7.00
237	2.37	2.11	35.16	-4.79	1.66	2.11	1.67	4.00	2.59	17.37	39.46	0.00	39.46	52.44	1.70	0.00	5.00	0.77	2.00	2.36	40.85	-0.12	36.48	7.00
238	2.38	2.13	34.97	-4.79	1.65	2.13	1.64	4.00	2.58	17.37	39.64	0.00	39.64	52.71	1.67	0.00	5.00	0.77	2.00	2.35	41.24	-0.12	36.86	7.00
239	2.39	2.13	34.40	-4.79	1.62	2.13	1.62	4.00	2.58	17.35	39.81	0.00	39.81	52.48	1.65	0.00	5.00	0.76	2.00	2.35	41.24	-0.12	37.16	7.00
240	2.40	2.14	34.34	-4.79	1.61	2.14	1.61	4.00	2.58	17.35	39.98	0.00	39.98	52.50	1.64	0.00	5.00	0.76	2.00	2.34	41.43	-0.12	37.33	7.00
241	2.41	2.14	32.95	-4.79	1.54	2.14	1.54	4.00	2.57	17.30	40.16	0.00	40.16	52.26	1.57	0.00	5.00	0.76	2.00	2.33	41.43	-0.12	38.08	7.00
242	2.42	2.12	32.51	-4.70	1.53	2.12	1.53	4.00	2.57	17.28	40.33	0.00	40.33	51.54	1.56	0.00	5.00	0.76	2.00	2.33	41.03	-0.12	38.03	7.00
243	2.43	2.06	32.16	-4.79	1.56	2.06	1.56	4.00	2.58	17.26	40.50	0.00	40.50	49.84	1.59	0.00	5.00	0.77	2.00	2.35	39.84	-0.12	37.34	7.00
244	2.44	2.03	32.54	-4.79	1.60	2.03	1.60	4.00	2.59	17.27	40.68	0.00	40.68	48.88	1.64	0.00	5.00	0.77	2.00	2.36	39.25	-0.12	36.69	7.00
245	2.45	1.99	32.26	-4.89	1.62	1.99	1.62	4.00	2.60	17.25	40.85	0.00	40.85	47.69	1.66	0.00	5.00	0.77	2.00	2.37	38.45	-0.12	36.25	7.00
246	2.46	1.91	32.48	-4.98	1.70	1.91	1.70	4.00	2.63	17.24	41.02	0.00	41.02	45.54	1.74	0.00	5.00	0.78	2.00	2.40	36.87	-0.12	34.95	7.00
247	2.47	1.87	32.48	-4.98	1.73	1.87	1.74	4.00	2.64	17.23	41.19	0.00	41.19	44.37	1.78	0.00	5.00	0.79	2.00	2.41	36.08	-0.12	34.36	7.00
248	2.48	1.82	32.54	-4.98	1.79	1.82	1.79	4.00	2.66	17.22	41.37	0.00	41.37	42.97	1.83	0.00	5.00	0.80	2.00	2.43	35.09	-0.12	33.59	7.00
249	2.49	1.80	32.41	-4.98	1.80	1.80	1.80	4.00	2.67	17.21	41.54	0.00	41.54	42.31	1.84	0.00	5.00	0.80	2.00	2.44	34.69	-0.12	33.36	7.00
250	2.50	1.78	32.76	-4.98	1.84	1.78	1.84	4.00	2.68	17.22	41.71	0.00	41.71	41.65	1.89	0.00	5.00	0.80	2.00	2.45	34.29	-0.12	32.89	7.00
251	2.51	1.78	32.57	-4.98	1.83	1.78	1.83	4.00	2.67	17.22	41.88	0.00	41.88	41.48	1.87	0.00	5.00	0.80	2.00	2.44	34.29	-0.12	32.98	7.00
252	2.52	1.78	31.91	-4.98	1.79	1.78	1.79	4.00	2.67	17.19	42.05	0.00	42.05	41.30	1.84	0.00	5.00	0.80	2.00	2.44	34.28	-0.12	33.30	7.00
253	2.53	1.79	30.55	-4.89	1.71	1.79	1.71	4.00	2.66	17.14	42.22	0.00	42.22	41.37	1.75	0.00	5.00	0.79	2.00	2.42	34.48	-0.12	34.13	7.00
254	2.54	1.80	29.80	-4.89	1.66	1.80	1.66	4.00	2.65	17.12	42.40	0.00	42.40	41.43	1.70	0.00	5.00	0.79	1.99	2.42	34.54	-0.12	34.64	7.00
255	2.55	1.85	29.57	-4.79	1.60	1.85	1.60	4.00	2.63	17.12	42.57	0.00	42.57	42.44	1.64	0.00	5.00	0.79	1.98	2.40	35.22	-0.11	35.43	7.00
256	2.56	1.87	29.45	-4.79	1.57	1.87	1.58	4.00	2.62	17.12	42.74	0.00	42.74	42.73	1.61	0.00	5.00	0.78	1.97	2.39	35.43	-0.11	35.74	7.00
257	2.57	1.97	30.17	-4.60	1.53	1.97	1.53	4.00	2.59	17.17	42.91	0.00	42.91	44.89	1.57	0.00	5.00	0.77	1.95	2.37	36.99	-0.11	36.73	7.00
258	2.58	2.00	29.92	-4.60	1.49	2.00	1.50	4.00	2.58	17.16	43.08	0.00	43.08	45.40	1.53	0.00	5.00	0.77	1.93	2.36	37.34	-0.11	37.24	7.00
259	2.59	2.04	30.43	-4.50	1.49	2.04	1.49	4.00	2.58	17.19	43.25	0.00	43.25	46.14	1.52	0.00	5.00	0.77	1.92	2.35	37.91	-0.10	37.49	7.00
260	2.60	2.03	30.80	-4.60	1.51	2.03	1.52	4.00	2.58	17.20	43.43	0.00	43.43	45.72	1.55	0.00	5.00	0.77	1.92	2.36	37.69	-0.11	37.12	7.00
261	2.61	2.02	31.18	-4.60	1.54	2.02	1.54	4.00	2.59	17.21	43.60	0.00	43.60	45.31	1.58	0.00	5.00	0.77	1.92	2.37	37.46	-0.11	36.75	7.00
262	2.62	1.99	31.91	-4.60	1.61	1.99	1.60	4.00	2.60	17.23	43.77	0.00	43.77	44.44	1.64	0.00	5.00	0.78	1.92	2.38	36.95	-0.11	35.95	7.00
263	2.63	1.97	32.13	-4.60	1.63	1.97	1.63	4.00	2.61	17.24	43.94	0.00	43.94	43.81	1.67	0.00	5.00	0.78	1.92	2.39	36.56	-0.10	35.54	7.00
264	2.64	1.95	31.85	-4.70	1.63	1.95	1.63	4.00	2.61	17.23	44.11	0.00	44.11	43.18	1.67	0.00	5.00	0.79	1.92	2.40	36.12	-0.11	35.37	7.00
265	2.65	1.90	32.16	-4.70	1.70	1.90	1.69	4.00	2.63	17.23	44.29	0.00	44.29	41.88	1.73	0.00	5.00	0.79	1.93	2.41	35.26	-0.11	34.51	7.00
266	2.66	1.88	32.57	-4.70	1.73	1.88	1.73	4.00	2.64	17.24	44.46	0.00	44.46	41.26	1.78	0.00	5.00	0.80	1.93	2.42	34.88	-0.11	34.02	7.00
267	2.67	1.84	33.58	-4.70	1.83	1.84	1.83	4.00	2.66	17.26	44.63	0.00	44.63	40.20	1.87	0.00	5.00	0.80	1.93	2.44	34.23	-0.11	32.99	7.00
268	2.68	1.81	33.58	-4.79	1.85	1.81	1.86	4.00	2.67	17.26	44.80	0.00	44.80	39.38	1.90	0.00	5.00	0.81	1.93	2.45	33.66	-0.11	32.56	7.00
269	2.69	1.78	33.71	-4.79	1.90	1.78	1.89	4.00	2.68	17.26	44.98	0.00	44.98	38.55	1.94	0.00	5.00	0.81	1.93	2.47	33.10	-0.11	32.08	5.00
270	2.70	1.73	33.64	-4.79	1.94	1.73	1.95	4.00	2.70	17.24	45.15	0.00	45.15	37.29	2.00	0.00	5.00	0.82	1.94	2.48	32.21	-0.11	31.42	5.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
271	2.71	1.72	33.48	-4.79	1.95	1.72	1.95	4.00	2.70	17.23	45.32	0.00	45.32	36.93	2.00	0.00	5.00	0.82	1.93	2.49	31.95	-0.11	31.33	5.00
272	2.72	1.69	32.76	-4.89	1.94	1.69	1.94	4.00	2.71	17.20	45.49	0.00	45.49	36.13	1.99	0.00	5.00	0.82	1.93	2.49	31.33	-0.11	31.20	5.00
273	2.73	1.67	32.32	-4.89	1.93	1.67	1.94	4.00	2.71	17.18	45.67	0.00	45.67	35.55	1.99	0.00	5.00	0.82	1.93	2.50	30.89	-0.11	31.10	5.00
274	2.74	1.66	31.12	-4.89	1.87	1.66	1.88	4.00	2.71	17.14	45.84	0.00	45.84	35.19	1.93	0.00	5.00	0.82	1.92	2.49	30.57	-0.11	31.45	5.00
275	2.75	1.66	30.08	-4.89	1.81	1.66	1.81	4.00	2.70	17.10	46.01	0.00	46.01	35.06	1.86	0.00	5.00	0.82	1.91	2.48	30.41	-0.11	31.89	5.00
276	2.76	1.66	28.12	-4.89	1.69	1.66	1.70	4.00	2.68	17.02	46.18	0.00	46.18	34.93	1.74	0.00	5.00	0.81	1.90	2.47	30.18	-0.11	32.77	7.00
277	2.77	1.66	27.56	-4.89	1.66	1.66	1.66	4.00	2.68	17.00	46.35	0.00	46.35	34.79	1.71	0.00	5.00	0.81	1.89	2.47	30.06	-0.11	33.01	7.00
278	2.78	1.66	26.96	-4.79	1.62	1.66	1.63	4.00	2.67	16.97	46.52	0.00	46.52	34.66	1.67	0.00	5.00	0.81	1.88	2.46	29.94	-0.10	33.27	7.00
279	2.79	1.66	26.71	-4.79	1.61	1.66	1.61	4.00	2.67	16.96	46.69	0.00	46.69	34.53	1.66	0.00	5.00	0.81	1.88	2.46	29.84	-0.10	33.36	7.00
280	2.80	1.67	26.33	-4.79	1.58	1.67	1.58	4.00	2.66	16.95	46.86	0.00	46.86	34.62	1.62	0.00	5.00	0.81	1.87	2.45	29.86	-0.10	33.65	7.00
281	2.81	1.67	26.01	-4.79	1.56	1.67	1.56	4.00	2.66	16.93	47.03	0.00	47.03	34.49	1.60	0.00	5.00	0.81	1.86	2.45	29.76	-0.10	33.77	7.00
282	2.82	1.67	25.19	-4.79	1.51	1.67	1.51	4.00	2.65	16.90	47.20	0.00	47.20	34.36	1.55	0.00	5.00	0.81	1.85	2.45	29.61	-0.10	34.15	7.00
283	2.83	1.68	24.91	-4.79	1.49	1.68	1.48	4.00	2.65	16.89	47.36	0.00	47.36	34.45	1.53	0.00	5.00	0.80	1.84	2.44	29.67	-0.10	34.41	7.00
284	2.84	1.69	24.72	-4.70	1.46	1.69	1.46	4.00	2.64	16.88	47.53	0.00	47.53	34.53	1.51	0.00	5.00	0.80	1.83	2.44	29.73	-0.10	34.62	7.00
285	2.85	1.70	24.91	-4.70	1.46	1.70	1.47	4.00	2.64	16.89	47.70	0.00	47.70	34.62	1.51	0.00	5.00	0.80	1.83	2.44	29.82	-0.10	34.63	7.00
286	2.86	1.72	25.26	-4.70	1.47	1.72	1.47	4.00	2.64	16.91	47.87	0.00	47.87	34.91	1.51	0.00	5.00	0.80	1.82	2.43	30.07	-0.10	34.71	7.00
287	2.87	1.73	25.51	-4.70	1.47	1.73	1.48	4.00	2.63	16.92	48.04	0.00	48.04	34.99	1.52	0.00	5.00	0.80	1.82	2.43	30.16	-0.10	34.69	7.00
288	2.88	1.74	25.82	-4.70	1.48	1.74	1.48	4.00	2.63	16.94	48.21	0.00	48.21	35.07	1.53	0.00	5.00	0.80	1.81	2.43	30.26	-0.10	34.64	7.00
289	2.89	1.74	25.82	-4.70	1.48	1.74	1.48	4.00	2.63	16.94	48.38	0.00	48.38	34.95	1.53	0.00	5.00	0.80	1.81	2.44	30.18	-0.10	34.61	7.00
290	2.90	1.74	25.82	-4.70	1.48	1.74	1.48	4.00	2.63	16.94	48.55	0.00	48.55	34.82	1.53	0.00	5.00	0.80	1.80	2.44	30.10	-0.10	34.58	7.00
291	2.91	1.76	25.29	-5.27	1.43	1.76	1.44	4.00	2.62	16.92	48.72	0.00	48.72	35.10	1.48	0.00	5.00	0.80	1.79	2.43	30.28	-0.11	35.10	7.00
292	2.92	1.78	26.04	-5.18	1.46	1.78	1.46	4.00	2.62	16.96	48.89	0.00	48.89	35.39	1.51	0.00	5.00	0.80	1.79	2.43	30.56	-0.11	34.97	7.00
293	2.93	1.79	26.20	-5.18	1.46	1.79	1.46	4.00	2.62	16.97	49.06	0.00	49.06	35.47	1.51	0.00	5.00	0.80	1.78	2.43	30.65	-0.11	34.99	7.00
294	2.94	1.83	26.71	-5.18	1.46	1.83	1.46	4.00	2.61	17.00	49.23	0.00	49.23	36.15	1.50	0.00	5.00	0.80	1.78	2.42	31.20	-0.11	35.27	7.00
295	2.95	1.84	26.96	-5.08	1.46	1.84	1.47	4.00	2.61	17.01	49.40	0.00	49.40	36.23	1.51	0.00	5.00	0.80	1.77	2.42	31.29	-0.10	35.25	7.00
296	2.96	1.87	27.65	-5.08	1.48	1.87	1.48	4.00	2.61	17.05	49.57	0.00	49.57	36.70	1.52	0.00	5.00	0.80	1.77	2.42	31.70	-0.10	35.29	7.00
297	2.97	1.90	28.22	-5.08	1.49	1.90	1.49	4.00	2.60	17.08	49.74	0.00	49.74	37.18	1.53	0.00	5.00	0.79	1.76	2.41	32.11	-0.10	35.38	7.00
298	2.98	1.95	28.60	-4.98	1.47	1.95	1.47	4.00	2.59	17.10	49.91	0.00	49.91	38.05	1.51	0.00	5.00	0.79	1.75	2.40	32.79	-0.10	35.84	7.00
299	2.99	1.97	28.76	-4.98	1.46	1.97	1.46	4.00	2.58	17.11	50.08	0.00	50.08	38.32	1.50	0.00	5.00	0.79	1.74	2.40	33.01	-0.10	36.00	7.00
300	3.00	2.06	28.94	-4.89	1.41	2.06	1.41	4.00	2.56	17.14	50.25	0.00	50.25	39.97	1.44	0.00	5.00	0.78	1.73	2.38	34.26	-0.10	37.08	7.00
301	3.01	2.10	29.20	-4.79	1.39	2.10	1.39	4.00	2.55	17.15	50.42	0.00	50.42	40.63	1.43	0.00	5.00	0.78	1.72	2.37	34.77	-0.10	37.45	7.00
302	3.02	2.14	29.32	-4.79	1.37	2.14	1.37	5.00	2.54	17.17	50.59	0.00	50.59	41.28	1.40	0.00	5.00	0.77	1.71	2.36	35.27	-0.09	37.88	7.00
303	3.03	2.16	29.48	-4.79	1.36	2.16	1.37	5.00	2.53	17.18	50.77	0.00	50.77	41.53	1.40	0.00	5.00	0.77	1.71	2.36	35.49	-0.09	38.03	7.00
304	3.04	2.17	30.39	-4.79	1.40	2.17	1.40	5.00	2.54	17.21	50.94	0.00	50.94	41.58	1.43	0.00	5.00	0.77	1.70	2.36	35.61	-0.09	37.67	7.00
305	3.05	2.15	31.72	-4.79	1.48	2.15	1.48	4.00	2.55	17.26	51.11	0.00	51.11	41.05	1.51	0.00	5.00	0.78	1.71	2.38	35.33	-0.09	36.73	7.00
306	3.06	2.12	32.35	-4.79	1.53	2.12	1.53	4.00	2.57	17.28	51.28	0.00	51.28	40.32	1.56	0.00	5.00	0.79	1.71	2.39	34.85	-0.09	36.02	7.00
307	3.07	2.05	33.71	-4.89	1.64	2.05	1.65	4.00	2.60	17.31	51.46	0.00	51.46	38.82	1.69	0.00	5.00	0.80	1.72	2.42	33.84	-0.10	34.49	7.00
308	3.08	2.03	34.34	-4.89	1.69	2.03	1.69	4.00	2.61	17.33	51.63	0.00	51.63	38.30	1.74	0.00	5.00	0.80	1.72	2.43	33.51	-0.09	33.94	7.00
309	3.09	2.00	34.78	-4.89	1.74	2.00	1.74	4.00	2.62	17.34	51.80	0.00	51.80	37.59	1.79	0.00	5.00	0.81	1.72	2.44	33.01	-0.09	33.35	7.00
310	3.10	1.96	36.51	-4.98	1.86	1.96	1.86	4.00	2.64	17.38	51.98	0.00	51.98	36.69	1.91	0.00	5.00	0.82	1.72	2.47	32.45	-0.10	32.13	7.00
311	3.11	1.95	37.30	-4.89	1.91	1.95	1.91	4.00	2.65	17.41	52.15	0.00	52.15	36.37	1.97	0.00	5.00	0.82	1.72	2.48	32.26	-0.09	31.67	5.00
312	3.12	1.92	38.69	-4.98	2.02	1.92	2.02	4.00	2.67	17.44	52.33	0.00	52.33	35.67	2.07	0.00	4.00	0.83	1.73	2.50	31.81	-0.10	30.76	5.00
313	3.13	1.90	39.51	-4.98	2.08	1.90	2.08	4.00	2.68	17.46	52.50	0.00	52.50	35.17	2.14	0.00	4.00	0.83	1.73	2.51	31.48	-0.09	30.20	5.00
314	3.14	1.87	41.15	-4.98	2.19	1.87	2.20	4.00	2.70	17.50	52.68	0.00	52.68	34.48	2.27	0.00	4.00	0.84	1.73	2.53	31.04	-0.09	29.25	5.00
315	3.15	1.86	41.71	-4.98	2.24	1.86	2.24	4.00	2.71	17.52	52.85	0.00	52.85	34.17	2.31	0.00	4.00	0.84	1.73	2.54	30.84	-0.09	28.92	5.00

GeoDeep
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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
316	3.16	1.86	42.53	-4.98	2.29	1.86	2.29	4.00	2.71	17.54	53.03	0.00	53.03	34.06	2.36	0.00	4.00	0.84	1.73	2.54	30.79	-0.09	28.62	5.00
317	3.17	1.86	43.61	-4.98	2.34	1.86	2.35	4.00	2.72	17.57	53.20	0.00	53.20	33.94	2.42	0.00	4.00	0.85	1.73	2.55	30.76	-0.09	28.25	5.00
318	3.18	1.86	43.86	-4.98	2.36	1.86	2.36	4.00	2.72	17.57	53.38	0.00	53.38	33.83	2.43	0.00	4.00	0.85	1.72	2.55	30.69	-0.09	28.15	5.00
319	3.19	1.87	44.11	-4.98	2.36	1.87	2.36	4.00	2.72	17.58	53.55	0.00	53.55	33.90	2.43	0.00	4.00	0.85	1.72	2.55	30.77	-0.09	28.16	5.00
320	3.20	1.87	43.92	-4.89	2.34	1.87	2.35	4.00	2.72	17.58	53.73	0.00	53.73	33.78	2.42	0.00	4.00	0.85	1.71	2.55	30.68	-0.09	28.21	5.00
321	3.21	1.89	44.55	-4.89	2.36	1.89	2.36	4.00	2.72	17.60	53.91	0.00	53.91	34.04	2.43	0.00	4.00	0.85	1.71	2.55	30.92	-0.09	28.21	5.00
322	3.22	1.91	45.06	-4.79	2.36	1.91	2.36	4.00	2.71	17.62	54.08	0.00	54.08	34.30	2.43	0.00	4.00	0.85	1.70	2.55	31.15	-0.09	28.25	5.00
323	3.23	1.95	45.62	-4.79	2.33	1.95	2.34	4.00	2.70	17.64	54.26	0.00	54.26	34.92	2.41	0.00	4.00	0.84	1.69	2.54	31.67	-0.09	28.49	5.00
324	3.24	1.97	45.66	-4.70	2.32	1.97	2.32	4.00	2.70	17.64	54.43	0.00	54.43	35.17	2.38	0.00	4.00	0.84	1.69	2.53	31.88	-0.09	28.68	5.00
325	3.25	2.00	45.88	-4.79	2.30	2.00	2.30	4.00	2.69	17.65	54.61	0.00	54.61	35.60	2.36	0.00	4.00	0.84	1.68	2.53	32.24	-0.09	28.92	5.00
326	3.26	2.01	46.54	-4.70	2.31	2.01	2.32	4.00	2.69	17.67	54.79	0.00	54.79	35.67	2.38	0.00	4.00	0.84	1.68	2.53	32.33	-0.09	28.80	5.00
327	3.27	2.01	47.33	-4.70	2.35	2.01	2.36	4.00	2.69	17.69	54.96	0.00	54.96	35.55	2.42	0.00	4.00	0.84	1.67	2.53	32.28	-0.09	28.53	5.00
328	3.28	2.01	48.08	-4.70	2.39	2.01	2.39	4.00	2.70	17.71	55.14	0.00	55.14	35.43	2.46	0.00	4.00	0.84	1.67	2.54	32.23	-0.09	28.28	5.00
329	3.29	2.02	48.40	-4.70	2.40	2.02	2.40	4.00	2.70	17.72	55.32	0.00	55.32	35.50	2.46	0.00	4.00	0.84	1.67	2.54	32.30	-0.08	28.27	5.00
330	3.30	2.02	48.90	-4.70	2.42	2.02	2.42	4.00	2.70	17.73	55.50	0.00	55.50	35.38	2.49	0.00	4.00	0.85	1.66	2.54	32.24	-0.08	28.11	5.00
331	3.31	2.03	50.48	-4.70	2.49	2.03	2.49	4.00	2.70	17.77	55.67	0.00	55.67	35.44	2.56	0.00	4.00	0.85	1.66	2.55	32.36	-0.08	27.73	5.00
332	3.32	2.02	50.92	-4.70	2.52	2.02	2.52	4.00	2.71	17.78	55.85	0.00	55.85	35.15	2.59	0.00	4.00	0.85	1.66	2.55	32.15	-0.08	27.48	5.00
333	3.33	2.02	51.43	-4.70	2.54	2.02	2.55	4.00	2.71	17.79	56.03	0.00	56.03	35.03	2.62	0.00	4.00	0.85	1.66	2.56	32.09	-0.08	27.32	5.00
334	3.34	2.02	51.84	-4.70	2.56	2.02	2.57	4.00	2.71	17.80	56.21	0.00	56.21	34.92	2.64	0.00	4.00	0.85	1.65	2.56	32.03	-0.08	27.19	5.00
335	3.35	2.02	52.59	-4.70	2.61	2.02	2.60	4.00	2.72	17.82	56.39	0.00	56.39	34.81	2.68	0.00	4.00	0.85	1.65	2.56	31.97	-0.08	26.96	5.00
336	3.36	2.02	54.70	-4.70	2.70	2.02	2.71	4.00	2.73	17.86	56.56	0.00	56.56	34.69	2.79	0.00	4.00	0.86	1.65	2.58	31.96	-0.08	26.38	5.00
337	3.37	2.04	55.52	-4.79	2.72	2.04	2.72	4.00	2.73	17.88	56.74	0.00	56.74	34.93	2.80	0.00	4.00	0.86	1.65	2.57	32.19	-0.08	26.34	5.00
338	3.38	2.10	57.10	-4.79	2.71	2.10	2.72	4.00	2.72	17.92	56.92	0.00	56.92	35.87	2.80	0.00	4.00	0.86	1.64	2.57	33.01	-0.08	26.50	5.00
339	3.39	2.14	57.42	-4.79	2.69	2.14	2.68	4.00	2.71	17.94	57.10	0.00	57.10	36.46	2.76	0.00	4.00	0.85	1.63	2.56	33.50	-0.08	26.79	5.00
340	3.40	2.17	57.45	-4.79	2.65	2.17	2.65	4.00	2.70	17.94	57.28	0.00	57.28	36.87	2.72	0.00	4.00	0.85	1.62	2.55	33.84	-0.08	27.05	5.00
341	3.41	2.21	58.36	-4.79	2.65	2.21	2.64	4.00	2.69	17.97	57.46	0.00	57.46	37.44	2.71	0.00	4.00	0.85	1.62	2.54	34.35	-0.08	27.18	5.00
342	3.42	2.21	58.87	-4.79	2.67	2.21	2.67	4.00	2.69	17.98	57.64	0.00	57.64	37.32	2.74	0.00	4.00	0.85	1.61	2.55	34.28	-0.08	27.03	5.00
343	3.43	2.16	59.50	-4.79	2.75	2.16	2.76	4.00	2.71	17.98	57.82	0.00	57.82	36.34	2.83	0.00	4.00	0.86	1.62	2.56	33.51	-0.08	26.39	5.00
344	3.44	2.13	60.06	-4.89	2.82	2.13	2.82	4.00	2.72	17.99	58.00	0.00	58.00	35.71	2.90	0.00	4.00	0.86	1.62	2.58	33.03	-0.08	25.95	5.00
345	3.45	2.05	60.95	-4.98	2.97	2.05	2.97	4.00	2.75	17.99	58.18	0.00	58.18	34.22	3.06	0.00	4.00	0.87	1.62	2.60	31.86	-0.09	24.98	5.00
346	3.46	2.01	61.17	-5.85	3.05	2.01	3.05	4.00	2.76	17.99	58.36	0.00	58.36	33.42	3.14	0.00	4.00	0.88	1.62	2.62	31.22	-0.10	24.55	5.00
347	3.47	1.93	61.61	-17.16	3.20	1.93	3.20	4.00	2.79	17.98	58.54	0.00	58.54	31.91	3.30	-0.01	4.00	0.89	1.63	2.64	29.99	-0.29	23.67	5.00
348	3.48	1.89	61.70	-17.16	3.27	1.89	3.27	4.00	2.80	17.97	58.72	0.00	58.72	31.13	3.38	-0.01	4.00	0.89	1.63	2.66	29.35	-0.29	23.27	5.00
349	3.49	1.79	61.80	-14.47	3.45	1.79	3.46	3.00	2.84	17.95	58.90	0.00	58.90	29.34	3.58	-0.01	4.00	0.91	1.63	2.69	27.87	-0.25	22.32	5.00
350	3.50	1.76	62.33	-11.69	3.55	1.76	3.55	3.00	2.85	17.96	59.08	0.00	59.08	28.75	3.67	-0.01	4.00	0.91	1.63	2.70	27.39	-0.20	21.93	3.00
351	3.51	1.73	62.97	-12.75	3.64	1.73	3.65	3.00	2.86	17.96	59.26	0.00	59.26	28.15	3.78	-0.01	4.00	0.92	1.63	2.72	26.90	-0.22	21.51	3.00
352	3.52	1.70	64.76	-18.02	3.81	1.70	3.82	3.00	2.88	17.99	59.44	0.00	59.44	27.54	3.96	-0.01	4.00	0.92	1.64	2.74	26.43	-0.30	20.87	3.00
353	3.53	1.68	65.33	-17.92	3.88	1.68	3.90	3.00	2.89	17.99	59.62	0.00	59.62	27.12	4.04	-0.01	4.00	0.93	1.63	2.75	26.08	-0.30	20.57	3.00
354	3.54	1.68	65.71	-16.87	3.91	1.68	3.92	3.00	2.89	18.00	59.80	0.00	59.80	27.04	4.06	-0.01	4.00	0.93	1.63	2.75	26.03	-0.28	20.49	3.00
355	3.55	1.71	67.00	-8.63	3.92	1.71	3.92	3.00	2.88	18.03	59.98	0.00	59.98	27.48	4.07	-0.01	4.00	0.93	1.63	2.75	26.43	-0.14	20.53	3.00
356	3.56	1.73	67.60	-8.05	3.91	1.73	3.91	3.00	2.88	18.04	60.16	0.00	60.16	27.73	4.05	0.00	4.00	0.92	1.62	2.74	26.66	-0.13	20.59	3.00
357	3.57	1.79	68.99	-16.20	3.84	1.79	3.86	3.00	2.87	18.08	60.34	0.00	60.34	28.61	4.00	-0.01	4.00	0.92	1.61	2.73	27.44	-0.27	20.84	3.00
358	3.58	1.82	69.18	-16.96	3.80	1.82	3.81	3.00	2.86	18.09	60.52	0.00	60.52	29.01	3.94	-0.01	4.00	0.92	1.60	2.72	27.79	-0.28	21.05	3.00
359	3.59	1.84	69.21	-16.96	3.76	1.84	3.77	3.00	2.85	18.09	60.70	0.00	60.70	29.25	3.90	-0.01	4.00	0.91	1.60	2.71	28.00	-0.28	21.21	3.00
360	3.60	1.89	69.93	-20.80	3.70	1.89	3.71	3.00	2.84	18.12	60.88	0.00	60.88	29.97	3.83	-0.01	4.00	0.91	1.59	2.70	28.63	-0.34	21.49	3.00

Via di Belvedere 11/B 55054 Bozzano - Massarosa (LU) T (+39)328.6122159 C. Fisc & Part. IVA 02589320460 info@geodeep.it

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
361	3.61	1.92	70.15	-21.56	3.66	1.92	3.66	3.00	2.83	18.13	61.06	0.00	61.06	30.37	3.78	-0.01	4.00	0.91	1.58	2.70	28.98	-0.35	21.70	3.00
362	3.62	1.93	70.47	-19.36	3.64	1.93	3.66	3.00	2.83	18.13	61.25	0.00	61.25	30.45	3.78	-0.01	4.00	0.91	1.58	2.69	29.05	-0.32	21.72	3.00
363	3.63	1.93	70.28	-16.68	3.64	1.93	3.65	3.00	2.82	18.13	61.43	0.00	61.43	30.36	3.77	-0.01	4.00	0.91	1.57	2.69	28.98	-0.27	21.75	3.00
364	3.64	1.93	69.87	-17.44	3.62	1.93	3.63	3.00	2.82	18.12	61.61	0.00	61.61	30.27	3.75	-0.01	4.00	0.91	1.57	2.69	28.90	-0.28	21.82	3.00
365	3.65	1.93	69.78	-18.59	3.62	1.93	3.62	3.00	2.82	18.12	61.79	0.00	61.79	30.17	3.74	-0.01	4.00	0.91	1.57	2.69	28.82	-0.30	21.82	3.00
366	3.66	1.93	68.64	-23.48	3.56	1.93	3.57	3.00	2.82	18.10	61.97	0.00	61.97	30.06	3.68	-0.01	4.00	0.91	1.56	2.69	28.71	-0.38	22.02	5.00
367	3.67	1.93	67.85	-21.85	3.52	1.93	3.52	3.00	2.81	18.09	62.15	0.00	62.15	29.98	3.64	-0.01	4.00	0.91	1.56	2.69	28.62	-0.35	22.17	5.00
368	3.68	1.92	67.19	-19.74	3.49	1.92	3.51	3.00	2.82	18.08	62.33	0.00	62.33	29.74	3.62	-0.01	4.00	0.91	1.55	2.69	28.41	-0.32	22.20	5.00
369	3.69	1.93	65.27	-18.98	3.39	1.93	3.39	4.00	2.80	18.05	62.51	0.00	62.51	29.81	3.50	-0.01	4.00	0.90	1.55	2.68	28.43	-0.30	22.66	5.00
370	3.70	1.94	63.91	-18.98	3.30	1.94	3.30	4.00	2.80	18.02	62.69	0.00	62.69	29.88	3.41	-0.01	4.00	0.90	1.54	2.67	28.47	-0.30	23.02	5.00
371	3.71	1.96	61.67	-18.78	3.15	1.96	3.15	4.00	2.78	17.99	62.87	0.00	62.87	30.11	3.26	-0.01	4.00	0.89	1.53	2.66	28.62	-0.30	23.66	5.00
372	3.72	1.97	60.82	-18.78	3.09	1.97	3.09	4.00	2.77	17.97	63.05	0.00	63.05	30.18	3.20	-0.01	4.00	0.89	1.53	2.65	28.67	-0.30	23.92	5.00
373	3.73	1.99	60.32	-18.69	3.04	1.99	3.04	4.00	2.76	17.97	63.23	0.00	63.23	30.41	3.14	-0.01	4.00	0.89	1.52	2.64	28.85	-0.30	24.21	5.00
374	3.74	2.02	57.13	-18.50	2.82	2.02	2.83	4.00	2.74	17.91	63.41	0.00	63.41	30.79	2.93	-0.01	4.00	0.88	1.51	2.62	29.11	-0.29	25.21	5.00
375	3.75	2.02	56.88	-18.40	2.82	2.02	2.82	4.00	2.74	17.91	63.59	0.00	63.59	30.71	2.91	-0.01	4.00	0.88	1.51	2.62	29.04	-0.29	25.25	5.00
376	3.76	2.05	54.17	-18.40	2.65	2.05	2.65	4.00	2.72	17.85	63.77	0.00	63.77	31.09	2.73	-0.01	4.00	0.87	1.50	2.60	29.30	-0.29	26.19	5.00
377	3.77	2.06	53.06	-18.31	2.58	2.06	2.58	4.00	2.71	17.83	63.95	0.00	63.95	31.15	2.66	-0.01	4.00	0.87	1.49	2.59	29.34	-0.29	26.55	5.00
378	3.78	2.08	50.64	-18.31	2.43	2.08	2.44	4.00	2.69	17.78	64.12	0.00	64.12	31.38	2.52	-0.01	4.00	0.86	1.48	2.57	29.47	-0.29	27.38	5.00
379	3.79	2.09	49.12	-18.21	2.35	2.09	2.35	4.00	2.68	17.75	64.30	0.00	64.30	31.44	2.43	-0.01	4.00	0.86	1.48	2.56	29.50	-0.28	27.88	5.00
380	3.80	2.10	47.07	-18.21	2.24	2.10	2.25	4.00	2.67	17.70	64.48	0.00	64.48	31.51	2.32	-0.01	4.00	0.85	1.47	2.55	29.51	-0.28	28.55	5.00
381	3.81	2.11	46.63	-18.11	2.21	2.11	2.21	4.00	2.66	17.69	64.66	0.00	64.66	31.58	2.28	-0.01	4.00	0.85	1.47	2.55	29.56	-0.28	28.77	5.00
382	3.82	2.11	45.47	-18.11	2.16	2.11	2.16	4.00	2.65	17.66	64.83	0.00	64.83	31.49	2.23	-0.01	4.00	0.85	1.46	2.54	29.46	-0.28	29.10	5.00
383	3.83	2.11	43.57	-18.11	2.07	2.11	2.07	4.00	2.64	17.62	65.01	0.00	65.01	31.40	2.13	-0.01	4.00	0.85	1.46	2.53	29.34	-0.28	29.66	5.00
384	3.84	2.10	43.57	-18.02	2.07	2.10	2.08	4.00	2.65	17.61	65.19	0.00	65.19	31.16	2.15	-0.01	4.00	0.85	1.45	2.54	29.15	-0.28	29.54	5.00
385	3.85	2.10	43.98	-18.02	2.10	2.10	2.10	4.00	2.65	17.62	65.36	0.00	65.36	31.07	2.17	-0.01	4.00	0.85	1.45	2.54	29.09	-0.28	29.39	5.00
386	3.86	2.10	43.70	-18.02	2.08	2.10	2.08	4.00	2.65	17.62	65.54	0.00	65.54	30.98	2.15	-0.01	4.00	0.85	1.45	2.54	29.02	-0.27	29.46	5.00
387	3.87	2.09	43.51	-18.02	2.08	2.09	2.09	4.00	2.65	17.61	65.71	0.00	65.71	30.75	2.15	-0.01	4.00	0.85	1.45	2.54	28.82	-0.27	29.40	5.00
388	3.88	2.09	44.11	-17.92	2.11	2.09	2.11	4.00	2.65	17.63	65.89	0.00	65.89	30.66	2.18	-0.01	4.00	0.85	1.44	2.54	28.78	-0.27	29.19	5.00
389	3.89	2.09	44.11	-17.92	2.11	2.09	2.11	4.00	2.65	17.63	66.07	0.00	66.07	30.58	2.18	-0.01	4.00	0.85	1.44	2.55	28.71	-0.27	29.17	5.00
390	3.90	2.09	44.11	-17.92	2.11	2.09	2.11	4.00	2.65	17.63	66.24	0.00	66.24	30.49	2.18	-0.01	4.00	0.85	1.44	2.55	28.65	-0.27	29.16	5.00
391	3.91	2.15	39.98	-16.39	1.86	2.15	1.86	4.00	2.61	17.52	66.42	0.00	66.42	31.32	1.92	-0.01	4.00	0.84	1.42	2.51	29.25	-0.25	31.10	5.00
392	3.92	2.16	40.11	-16.39	1.86	2.16	1.86	4.00	2.61	17.53	66.59	0.00	66.59	31.38	1.92	-0.01	4.00	0.84	1.42	2.50	29.31	-0.25	31.14	5.00
393	3.93	2.15	41.27	-16.39	1.92	2.15	1.92	4.00	2.62	17.56	66.77	0.00	66.77	31.15	1.98	-0.01	4.00	0.84	1.42	2.51	29.16	-0.25	30.63	5.00
394	3.94	2.15	41.81	-16.39	1.95	2.15	1.95	4.00	2.62	17.58	66.94	0.00	66.94	31.06	2.01	-0.01	4.00	0.84	1.42	2.52	29.11	-0.24	30.43	5.00
395	3.95	2.13	43.13	-16.39	2.03	2.13	2.03	4.00	2.64	17.61	67.12	0.00	67.12	30.68	2.09	-0.01	4.00	0.85	1.42	2.53	28.83	-0.24	29.78	5.00
396	3.96	2.11	43.86	-16.48	2.08	2.11	2.08	4.00	2.65	17.62	67.30	0.00	67.30	30.30	2.15	-0.01	4.00	0.85	1.42	2.54	28.53	-0.24	29.33	5.00
397	3.97	2.09	44.49	-16.48	2.13	2.09	2.13	4.00	2.65	17.64	67.47	0.00	67.47	29.92	2.20	-0.01	4.00	0.86	1.42	2.55	28.23	-0.24	28.92	5.00
398	3.98	2.07	45.40	-16.48	2.20	2.07	2.20	4.00	2.67	17.66	67.65	0.00	67.65	29.55	2.27	-0.01	4.00	0.86	1.42	2.57	27.94	-0.24	28.43	5.00
399	3.99	2.05	46.22	-16.48	2.25	2.05	2.26	4.00	2.68	17.67	67.83	0.00	67.83	29.17	2.34	-0.01	4.00	0.87	1.42	2.58	27.64	-0.24	27.97	5.00
400	4.00	2.03	47.26	-16.48	2.32	2.03	2.33	4.00	2.69	17.69	68.00	0.00	68.00	28.80	2.41	-0.01	4.00	0.87	1.41	2.59	27.35	-0.24	27.46	5.00
401	4.01	1.99	48.21	-16.48	2.42	1.99	2.43	4.00	2.71	17.71	68.18	0.00	68.18	28.14	2.51	-0.01	4.00	0.88	1.42	2.61	26.80	-0.24	26.79	5.00
402	4.02	1.97	48.46	-16.48	2.47	1.97	2.46	4.00	2.71	17.71	68.36	0.00	68.36	27.77	2.55	-0.01	4.00	0.88	1.41	2.61	26.49	-0.24	26.51	5.00
403	4.03	1.92	48.59	-16.48	2.53	1.92	2.54	4.00	2.73	17.70	68.53	0.00	68.53	26.96	2.63	-0.01	4.00	0.89	1.41	2.63	25.80	-0.24	25.97	5.00
404	4.04	1.90	49.06	-16.48	2.58	1.90	2.59	4.00	2.74	17.71	68.71	0.00	68.71	26.60	2.68	-0.01	4.00	0.89	1.41	2.64	25.49	-0.24	25.64	5.00
405	4.05	1.85	50.07	-16.58	2.70	1.85	2.71	4.00	2.76	17.72	68.89	0.00	68.89	25.80	2.82	-0.01	4.00	0.90	1.41	2.66	24.82	-0.24	24.89	5.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
406	4.06	1.82	50.32	-16.58	2.76	1.82	2.77	4.00	2.77	17.72	69.07	0.00	69.07	25.30	2.88	-0.01	4.00	0.90	1.41	2.68	24.38	-0.24	24.52	5.00
407	4.07	1.74	50.51	-16.68	2.91	1.74	2.91	4.00	2.80	17.71	69.24	0.00	69.24	24.08	3.03	-0.01	4.00	0.91	1.42	2.70	23.31	-0.24	23.69	5.00
408	4.08	1.69	49.72	-16.77	2.95	1.69	2.95	4.00	2.81	17.68	69.42	0.00	69.42	23.29	3.07	-0.01	4.00	0.92	1.42	2.72	22.60	-0.24	23.37	5.00
409	4.09	1.63	49.03	-16.87	3.01	1.63	3.01	4.00	2.83	17.65	69.60	0.00	69.60	22.37	3.15	-0.01	4.00	0.93	1.42	2.74	21.77	-0.24	22.93	5.00
410	4.10	1.62	49.12	-16.77	3.03	1.62	3.04	4.00	2.84	17.65	69.77	0.00	69.77	22.17	3.18	-0.01	4.00	0.93	1.41	2.74	21.59	-0.24	22.80	5.00
411	4.11	1.63	49.12	-16.68	3.02	1.63	3.02	4.00	2.83	17.65	69.95	0.00	69.95	22.25	3.16	-0.01	4.00	0.93	1.41	2.74	21.67	-0.24	22.89	5.00
412	4.12	1.63	47.52	-16.68	2.92	1.63	2.92	4.00	2.82	17.62	70.13	0.00	70.13	22.19	3.05	-0.01	4.00	0.93	1.41	2.73	21.60	-0.24	23.24	5.00
413	4.13	1.63	47.01	-16.58	2.88	1.63	2.89	4.00	2.82	17.60	70.30	0.00	70.30	22.14	3.02	-0.01	4.00	0.93	1.40	2.73	21.54	-0.24	23.35	5.00
414	4.14	1.64	46.22	-16.58	2.82	1.64	2.82	4.00	2.81	17.59	70.48	0.00	70.48	22.22	2.95	-0.01	4.00	0.92	1.40	2.72	21.60	-0.24	23.63	5.00
415	4.15	1.67	44.93	-16.48	2.69	1.67	2.70	4.00	2.79	17.56	70.65	0.00	70.65	22.59	2.82	-0.01	4.00	0.92	1.39	2.71	21.91	-0.23	24.23	5.00
416	4.16	1.70	43.86	-16.39	2.57	1.70	2.59	4.00	2.78	17.54	70.83	0.00	70.83	22.95	2.70	-0.01	4.00	0.91	1.39	2.69	22.22	-0.23	24.80	5.00
417	4.17	1.76	41.87	-16.39	2.38	1.76	2.38	4.00	2.74	17.50	71.00	0.00	71.00	23.74	2.48	-0.01	4.00	0.90	1.38	2.66	22.89	-0.23	25.93	5.00
418	4.18	1.79	41.11	-16.29	2.29	1.79	2.30	4.00	2.73	17.49	71.18	0.00	71.18	24.10	2.40	-0.01	4.00	0.89	1.37	2.64	23.20	-0.23	26.43	5.00
419	4.19	1.83	40.58	-16.20	2.22	1.83	2.22	4.00	2.71	17.48	71.35	0.00	71.35	24.60	2.31	-0.01	4.00	0.89	1.36	2.63	23.64	-0.23	26.99	5.00
420	4.20	1.87	39.66	-16.10	2.12	1.87	2.12	4.00	2.69	17.46	71.53	0.00	71.53	25.10	2.21	-0.01	4.00	0.88	1.36	2.61	24.07	-0.23	27.66	5.00
421	4.21	1.90	39.22	-16.10	2.07	1.90	2.07	4.00	2.68	17.45	71.70	0.00	71.70	25.45	2.15	-0.01	4.00	0.88	1.35	2.60	24.38	-0.22	28.09	5.00
422	4.22	1.93	37.68	-16.10	1.95	1.93	1.96	4.00	2.66	17.41	71.88	0.00	71.88	25.80	2.03	-0.01	4.00	0.87	1.35	2.58	24.66	-0.22	28.86	5.00
423	4.23	1.93	36.98	-16.01	1.92	1.93	1.92	4.00	2.66	17.39	72.05	0.00	72.05	25.74	1.99	-0.01	4.00	0.87	1.34	2.58	24.60	-0.22	29.06	5.00
424	4.24	1.93	36.42	-16.01	1.89	1.93	1.89	4.00	2.65	17.37	72.22	0.00	72.22	25.68	1.96	-0.01	4.00	0.87	1.34	2.57	24.54	-0.22	29.22	5.00
425	4.25	1.93	36.45	-15.91	1.89	1.93	1.89	4.00	2.65	17.38	72.40	0.00	72.40	25.61	1.97	-0.01	4.00	0.87	1.34	2.57	24.49	-0.22	29.19	5.00
426	4.26	1.95	36.61	-15.91	1.87	1.95	1.88	4.00	2.65	17.38	72.57	0.00	72.57	25.82	1.95	-0.01	4.00	0.86	1.33	2.57	24.68	-0.22	29.34	5.00
427	4.27	1.97	36.67	-15.81	1.86	1.97	1.86	4.00	2.64	17.39	72.75	0.00	72.75	26.03	1.94	-0.01	4.00	0.86	1.33	2.56	24.88	-0.22	29.52	5.00
428	4.28	1.99	36.54	-15.81	1.83	1.99	1.84	4.00	2.64	17.39	72.92	0.00	72.92	26.24	1.91	-0.01	4.00	0.86	1.33	2.56	25.07	-0.22	29.75	5.00
429	4.29	2.04	37.33	-15.72	1.83	2.04	1.83	4.00	2.63	17.42	73.09	0.00	73.09	26.86	1.90	-0.01	4.00	0.86	1.32	2.55	25.64	-0.22	30.01	5.00
430	4.30	2.05	38.12	-15.72	1.86	2.05	1.86	4.00	2.63	17.45	73.27	0.00	73.27	26.93	1.93	-0.01	4.00	0.86	1.32	2.55	25.73	-0.21	29.85	5.00
431	4.31	2.06	39.22	-15.72	1.91	2.06	1.91	4.00	2.63	17.49	73.44	0.00	73.44	27.00	1.98	-0.01	4.00	0.86	1.32	2.56	25.82	-0.21	29.59	5.00
432	4.32	2.06	39.54	-15.72	1.92	2.06	1.92	4.00	2.63	17.49	73.62	0.00	73.62	26.94	1.99	-0.01	4.00	0.86	1.32	2.56	25.77	-0.21	29.47	5.00
433	4.33	2.06	40.26	-15.62	1.95	2.06	1.96	4.00	2.64	17.52	73.79	0.00	73.79	26.87	2.03	-0.01	4.00	0.86	1.31	2.56	25.73	-0.21	29.23	5.00
434	4.34	2.07	40.74	-15.62	1.97	2.07	1.97	4.00	2.64	17.53	73.97	0.00	73.97	26.94	2.04	-0.01	4.00	0.86	1.31	2.56	25.81	-0.21	29.17	5.00
435	4.35	2.08	41.15	-15.62	1.98	2.08	1.98	4.00	2.64	17.54	74.14	0.00	74.14	27.01	2.05	-0.01	4.00	0.86	1.31	2.57	25.89	-0.21	29.13	5.00
436	4.36	2.08	41.27	-15.53	1.99	2.08	1.99	4.00	2.64	17.55	74.32	0.00	74.32	26.94	2.06	-0.01	4.00	0.86	1.31	2.57	25.84	-0.21	29.08	5.00
437	4.37	2.08	41.15	-15.53	1.98	2.08	1.98	4.00	2.64	17.54	74.50	0.00	74.50	26.88	2.06	-0.01	4.00	0.86	1.30	2.57	25.78	-0.21	29.09	5.00
438	4.38	2.08	41.65	-15.53	2.00	2.08	2.01	4.00	2.64	17.56	74.67	0.00	74.67	26.81	2.08	-0.01	4.00	0.87	1.30	2.57	25.74	-0.21	28.93	5.00
439	4.39	2.08	41.59	-15.43	2.00	2.08	2.00	4.00	2.64	17.56	74.85	0.00	74.85	26.75	2.08	-0.01	4.00	0.87	1.30	2.57	25.69	-0.21	28.93	5.00
440	4.40	2.09	41.52	-15.43	1.99	2.09	1.99	4.00	2.64	17.56	75.02	0.00	75.02	26.82	2.06	-0.01	4.00	0.87	1.30	2.57	25.75	-0.21	29.03	5.00
441	4.41	2.11	40.89	-15.43	1.94	2.11	1.94	4.00	2.63	17.54	75.20	0.00	75.20	27.02	2.01	-0.01	4.00	0.86	1.29	2.56	25.93	-0.21	29.41	5.00
442	4.42	2.12	40.89	-15.43	1.93	2.12	1.93	4.00	2.62	17.54	75.37	0.00	75.37	27.08	2.00	-0.01	4.00	0.86	1.29	2.56	26.00	-0.20	29.49	5.00
443	4.43	2.14	40.36	-15.24	1.89	2.14	1.89	4.00	2.62	17.53	75.55	0.00	75.55	27.28	1.96	-0.01	4.00	0.86	1.29	2.55	26.17	-0.20	29.83	5.00
444	4.44	2.15	39.98	-15.24	1.86	2.15	1.86	4.00	2.61	17.52	75.72	0.00	75.72	27.35	1.93	-0.01	4.00	0.86	1.28	2.54	26.23	-0.20	30.03	5.00
445	4.45	2.16	39.51	-15.24	1.83	2.16	1.83	4.00	2.61	17.51	75.90	0.00	75.90	27.42	1.90	-0.01	4.00	0.86	1.28	2.54	26.29	-0.20	30.26	5.00
446	4.46	2.18	38.15	-15.14	1.75	2.18	1.75	4.00	2.59	17.48	76.07	0.00	76.07	27.61	1.82	-0.01	4.00	0.85	1.28	2.53	26.45	-0.20	30.88	5.00
447	4.47	2.20	37.62	-15.14	1.71	2.20	1.71	4.00	2.58	17.46	76.25	0.00	76.25	27.81	1.77	-0.01	4.00	0.85	1.27	2.52	26.63	-0.20	31.24	5.00
448	4.48	2.24	36.54	-15.05	1.63	2.24	1.63	4.00	2.56	17.44	76.42	0.00	76.42	28.27	1.69	-0.01	5.00	0.84	1.27	2.50	27.03	-0.20	32.00	5.00
449	4.49	2.26	36.10	-15.05	1.59	2.26	1.60	4.00	2.56	17.43	76.60	0.00	76.60	28.46	1.66	-0.01	5.00	0.84	1.26	2.49	27.20	-0.20	32.34	7.00
450	4.50	2.30	35.85	-14.95	1.56	2.30	1.56	4.00	2.54	17.42	76.77	0.00	76.77	28.92	1.61	-0.01	5.00	0.83	1.26	2.48	27.61	-0.19	32.82	7.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
451	4.51	2.37	35.19	-14.86	1.48	2.37	1.49	5.00	2.52	17.41	76.94	0.00	76.94	29.76	1.54	-0.01	5.00	0.83	1.25	2.46	28.36	-0.19	33.77	7.00
452	4.52	2.41	34.68	-14.76	1.44	2.41	1.44	5.00	2.51	17.40	77.12	0.00	77.12	30.21	1.49	-0.01	5.00	0.82	1.25	2.45	28.76	-0.19	34.36	7.00
453	4.53	2.52	34.27	-14.18	1.36	2.52	1.36	5.00	2.48	17.41	77.29	0.00	77.29	31.56	1.40	-0.01	5.00	0.81	1.24	2.42	29.98	-0.18	35.66	7.00
454	4.54	2.57	34.18	-10.35	1.33	2.57	1.33	5.00	2.46	17.41	77.47	0.00	77.47	32.15	1.37	0.00	5.00	0.80	1.24	2.41	30.51	-0.13	36.21	7.00
455	4.55	2.68	34.08	-8.63	1.27	2.68	1.27	5.00	2.44	17.42	77.64	0.00	77.64	33.49	1.31	0.00	5.00	0.80	1.24	2.38	31.72	-0.11	37.39	7.00
456	4.56	2.71	34.08	-8.63	1.26	2.71	1.26	5.00	2.43	17.43	77.82	0.00	77.82	33.80	1.30	0.00	5.00	0.79	1.23	2.37	32.01	-0.11	37.68	7.00
457	4.57	2.74	35.25	-8.72	1.29	2.74	1.29	5.00	2.43	17.47	77.99	0.00	77.99	34.11	1.33	0.00	5.00	0.79	1.23	2.38	32.32	-0.11	37.51	7.00
458	4.58	2.75	36.42	-8.82	1.33	2.75	1.33	5.00	2.44	17.51	78.17	0.00	78.17	34.16	1.36	0.00	5.00	0.80	1.23	2.38	32.40	-0.11	37.13	7.00
459	4.59	2.74	37.90	-8.82	1.38	2.74	1.38	5.00	2.45	17.56	78.34	0.00	78.34	33.95	1.42	0.00	5.00	0.80	1.23	2.39	32.26	-0.11	36.44	7.00
460	4.60	2.75	42.19	-8.72	1.53	2.75	1.54	5.00	2.47	17.68	78.52	0.00	78.52	34.00	1.58	0.00	5.00	0.81	1.23	2.42	32.40	-0.11	34.98	7.00
461	4.61	2.72	44.30	-8.72	1.63	2.72	1.63	5.00	2.49	17.73	78.70	0.00	78.70	33.54	1.68	0.00	5.00	0.82	1.23	2.44	32.03	-0.11	33.96	7.00
462	4.62	2.65	47.55	-8.72	1.79	2.65	1.80	4.00	2.53	17.80	78.87	0.00	78.87	32.58	1.85	0.00	5.00	0.83	1.23	2.47	31.23	-0.11	32.26	7.00
463	4.63	2.62	48.90	-8.82	1.86	2.62	1.87	4.00	2.54	17.83	79.05	0.00	79.05	32.12	1.93	0.00	5.00	0.84	1.23	2.49	30.85	-0.11	31.56	5.00
464	4.64	2.59	49.60	-8.82	1.91	2.59	1.92	4.00	2.55	17.84	79.23	0.00	79.23	31.67	1.98	0.00	5.00	0.84	1.23	2.50	30.45	-0.11	31.07	5.00
465	4.65	2.54	50.51	-8.82	1.99	2.54	1.99	4.00	2.57	17.86	79.41	0.00	79.41	30.96	2.05	0.00	4.00	0.85	1.23	2.52	29.84	-0.11	30.34	5.00
466	4.66	2.53	50.70	-8.91	2.00	2.53	2.01	4.00	2.57	17.86	79.59	0.00	79.59	30.77	2.07	0.00	4.00	0.85	1.23	2.52	29.67	-0.11	30.18	5.00
467	4.67	2.52	50.07	-8.82	1.99	2.52	1.99	4.00	2.57	17.84	79.77	0.00	79.77	30.57	2.05	0.00	4.00	0.85	1.23	2.52	29.49	-0.11	30.25	5.00
468	4.68	2.52	49.91	-8.82	1.98	2.52	1.98	4.00	2.57	17.84	79.94	0.00	79.94	30.50	2.05	0.00	4.00	0.85	1.22	2.52	29.43	-0.11	30.27	5.00
469	4.69	2.53	49.44	-8.82	1.95	2.53	1.96	4.00	2.57	17.83	80.12	0.00	80.12	30.55	2.02	0.00	4.00	0.85	1.22	2.52	29.48	-0.11	30.48	5.00
470	4.70	2.58	49.19	-8.82	1.91	2.58	1.91	4.00	2.55	17.83	80.30	0.00	80.30	31.11	1.97	0.00	4.00	0.84	1.22	2.50	29.99	-0.11	30.99	5.00
471	4.71	2.61	48.65	-8.72	1.86	2.61	1.87	4.00	2.54	17.82	80.48	0.00	80.48	31.41	1.92	0.00	5.00	0.84	1.21	2.49	30.27	-0.11	31.40	5.00
472	4.72	2.66	47.86	-8.63	1.80	2.66	1.80	4.00	2.53	17.81	80.66	0.00	80.66	31.96	1.86	0.00	5.00	0.83	1.21	2.48	30.77	-0.11	32.07	7.00
473	4.73	2.80	45.91	-8.53	1.64	2.80	1.64	5.00	2.49	17.78	80.83	0.00	80.83	33.62	1.69	0.00	5.00	0.82	1.20	2.44	32.27	-0.11	33.95	7.00
474	4.74	2.89	44.96	-8.43	1.56	2.89	1.56	5.00	2.46	17.77	81.01	0.00	81.01	34.65	1.60	0.00	5.00	0.81	1.20	2.41	33.21	-0.10	35.08	7.00
475	4.75	3.07	42.19	-8.24	1.38	3.07	1.38	5.00	2.41	17.72	81.19	0.00	81.19	36.79	1.41	0.00	5.00	0.79	1.19	2.36	35.12	-0.10	37.72	7.00
476	4.76	3.14	40.86	-8.15	1.30	3.14	1.30	5.00	2.39	17.69	81.37	0.00	81.37	37.57	1.34	0.00	5.00	0.78	1.19	2.34	35.82	-0.10	38.87	7.00
477	4.77	3.20	38.88	-8.05	1.21	3.20	1.22	5.00	2.36	17.64	81.54	0.00	81.54	38.22	1.25	0.00	5.00	0.77	1.18	2.32	36.39	-0.10	40.20	7.00
478	4.78	3.18	38.56	-7.95	1.21	3.18	1.21	5.00	2.37	17.63	81.72	0.00	81.72	37.89	1.25	0.00	5.00	0.77	1.18	2.32	36.10	-0.10	40.10	7.00
479	4.79	3.14	38.21	-8.05	1.22	3.14	1.22	5.00	2.37	17.62	81.90	0.00	81.90	37.32	1.25	0.00	5.00	0.78	1.18	2.33	35.59	-0.10	39.82	7.00
480	4.80	3.03	37.71	-8.15	1.25	3.03	1.25	5.00	2.39	17.59	82.07	0.00	82.07	35.90	1.28	0.00	5.00	0.78	1.18	2.35	34.30	-0.10	38.90	7.00
481	4.81	2.97	37.52	-8.24	1.26	2.97	1.26	5.00	2.40	17.57	82.25	0.00	82.25	35.09	1.30	0.00	5.00	0.79	1.18	2.36	33.58	-0.10	38.34	7.00
482	4.82	2.83	36.98	-8.24	1.31	2.83	1.31	5.00	2.43	17.54	82.42	0.00	82.42	33.31	1.35	0.00	5.00	0.80	1.18	2.38	31.96	-0.10	37.12	7.00
483	4.83	2.77	36.89	-8.34	1.33	2.77	1.33	5.00	2.44	17.53	82.60	0.00	82.60	32.51	1.37	0.00	5.00	0.80	1.18	2.40	31.24	-0.10	36.52	7.00
484	4.84	2.67	36.51	-8.34	1.37	2.67	1.37	5.00	2.46	17.50	82.77	0.00	82.77	31.24	1.41	0.00	5.00	0.81	1.18	2.42	30.07	-0.10	35.63	7.00
485	4.85	2.62	36.35	-8.43	1.39	2.62	1.39	5.00	2.47	17.49	82.95	0.00	82.95	30.56	1.43	0.00	5.00	0.82	1.18	2.43	29.46	-0.10	35.16	7.00
486	4.86	2.53	35.66	-8.43	1.41	2.53	1.41	5.00	2.48	17.45	83.12	0.00	83.12	29.42	1.46	0.00	5.00	0.82	1.18	2.45	28.40	-0.10	34.47	7.00
487	4.87	2.48	35.47	-8.43	1.43	2.48	1.43	5.00	2.50	17.44	83.30	0.00	83.30	28.75	1.48	0.00	5.00	0.83	1.18	2.46	27.80	-0.10	34.00	7.00
488	4.88	2.45	35.28	-8.34	1.44	2.45	1.44	5.00	2.50	17.43	83.47	0.00	83.47	28.33	1.49	0.00	5.00	0.83	1.17	2.46	27.41	-0.10	33.74	7.00
489	4.89	2.45	35.28	-8.34	1.44	2.45	1.44	5.00	2.50	17.43	83.65	0.00	83.65	28.27	1.49	0.00	5.00	0.83	1.17	2.46	27.37	-0.10	33.71	7.00
490	4.90	2.45	35.28	-8.34	1.44	2.45	1.44	5.00	2.50	17.43	83.82	0.00	83.82	28.21	1.49	0.00	5.00	0.83	1.17	2.47	27.32	-0.10	33.69	7.00
491	4.91	2.47	31.91	-7.95	1.29	2.47	1.29	5.00	2.47	17.32	83.99	0.00	83.99	28.39	1.34	0.00	5.00	0.82	1.17	2.44	27.45	-0.09	35.08	6.00
492	4.92	2.51	32.22	-7.95	1.28	2.51	1.28	5.00	2.47	17.34	84.17	0.00	84.17	28.80	1.33	0.00	5.00	0.82	1.16	2.43	27.84	-0.09	35.37	6.00
493	4.93	2.55	32.92	-7.95	1.29	2.55	1.29	5.00	2.46	17.37	84.34	0.00	84.34	29.22	1.34	0.00	5.00	0.82	1.16	2.43	28.25	-0.09	35.50	6.00
494	4.94	2.59	34.87	-7.86	1.35	2.59	1.35	5.00	2.46	17.44	84.51	0.00	84.51	29.63	1.39	0.00	5.00	0.82	1.16	2.43	28.66	-0.09	35.18	6.00
495	4.95	2.60	36.13	-7.86	1.39	2.60	1.39	5.00	2.47	17.48	84.69	0.00	84.69	29.68	1.44	0.00	5.00	0.82	1.16	2.44	28.74	-0.09	34.80	7.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
496	4.96	2.60	37.55	-7.86	1.45	2.60	1.45	5.00	2.48	17.52	84.86	0.00	84.86	29.62	1.49	0.00	5.00	0.82	1.16	2.45	28.71	-0.09	34.29	7.00
497	4.97	2.56	40.55	-7.86	1.58	2.56	1.59	5.00	2.51	17.61	85.04	0.00	85.04	29.08	1.64	0.00	5.00	0.84	1.16	2.48	28.26	-0.09	32.89	7.00
498	4.98	2.54	41.90	-7.86	1.65	2.54	1.65	4.00	2.52	17.64	85.22	0.00	85.22	28.79	1.71	0.00	5.00	0.84	1.16	2.49	28.00	-0.09	32.25	7.00
499	4.99	2.52	43.32	-7.95	1.72	2.52	1.72	4.00	2.53	17.68	85.39	0.00	85.39	28.49	1.78	0.00	5.00	0.85	1.16	2.50	27.75	-0.09	31.61	5.00
500	5.00	2.50	45.62	-7.86	1.82	2.50	1.83	4.00	2.55	17.73	85.57	0.00	85.57	28.20	1.89	0.00	4.00	0.85	1.16	2.52	27.51	-0.09	30.74	5.00
501	5.01	2.52	46.35	-7.86	1.84	2.52	1.84	4.00	2.55	17.75	85.75	0.00	85.75	28.37	1.91	0.00	4.00	0.85	1.15	2.52	27.68	-0.09	30.70	5.00
502	5.02	2.56	47.45	-7.76	1.85	2.56	1.85	4.00	2.55	17.79	85.93	0.00	85.93	28.77	1.92	0.00	4.00	0.85	1.15	2.52	28.08	-0.09	30.74	5.00
503	5.03	2.59	48.18	-7.76	1.86	2.59	1.86	4.00	2.54	17.81	86.10	0.00	86.10	29.06	1.93	0.00	4.00	0.85	1.15	2.52	28.37	-0.09	30.79	5.00
504	5.04	2.68	49.12	-7.57	1.83	2.68	1.83	4.00	2.53	17.85	86.28	0.00	86.28	30.04	1.89	0.00	5.00	0.85	1.15	2.50	29.31	-0.09	31.31	5.00
505	5.05	2.74	49.66	-7.57	1.81	2.74	1.81	4.00	2.52	17.87	86.46	0.00	86.46	30.67	1.87	0.00	5.00	0.84	1.14	2.49	29.91	-0.09	31.67	5.00
506	5.06	2.85	50.20	-7.38	1.76	2.85	1.76	5.00	2.50	17.89	86.64	0.00	86.64	31.88	1.82	0.00	5.00	0.83	1.14	2.47	31.06	-0.09	32.47	7.00
507	5.07	2.90	50.48	-7.38	1.74	2.90	1.74	5.00	2.49	17.91	86.82	0.00	86.82	32.38	1.80	0.00	5.00	0.83	1.14	2.46	31.55	-0.09	32.81	7.00
508	5.08	2.96	50.61	-7.28	1.71	2.96	1.71	5.00	2.48	17.92	87.00	0.00	87.00	33.01	1.76	0.00	5.00	0.83	1.13	2.45	32.14	-0.08	33.27	7.00
509	5.09	2.97	50.42	-7.28	1.70	2.97	1.70	5.00	2.47	17.91	87.18	0.00	87.18	33.05	1.75	0.00	5.00	0.83	1.13	2.45	32.20	-0.08	33.40	7.00
510	5.10	2.97	50.32	-7.28	1.69	2.97	1.70	5.00	2.47	17.91	87.36	0.00	87.36	32.98	1.75	0.00	5.00	0.83	1.13	2.45	32.14	-0.08	33.41	7.00
511	5.11	2.96	50.04	-7.28	1.69	2.96	1.69	5.00	2.47	17.90	87.54	0.00	87.54	32.80	1.74	0.00	5.00	0.83	1.13	2.45	31.97	-0.08	33.38	7.00
512	5.12	2.94	49.47	-7.28	1.68	2.94	1.68	5.00	2.47	17.89	87.71	0.00	87.71	32.50	1.74	0.00	5.00	0.83	1.13	2.45	31.70	-0.08	33.36	7.00
513	5.13	2.88	49.69	-7.38	1.72	2.88	1.73	5.00	2.49	17.89	87.89	0.00	87.89	31.75	1.78	0.00	5.00	0.83	1.13	2.47	31.00	-0.08	32.75	7.00
514	5.14	2.85	50.35	-7.28	1.77	2.85	1.77	5.00	2.50	17.90	88.07	0.00	88.07	31.34	1.82	0.00	5.00	0.84	1.12	2.48	30.63	-0.08	32.28	7.00
515	5.15	2.81	51.33	-7.28	1.83	2.81	1.83	4.00	2.51	17.91	88.25	0.00	88.25	30.82	1.89	0.00	5.00	0.84	1.12	2.49	30.16	-0.08	31.64	5.00
516	5.16	2.80	52.31	-7.28	1.87	2.80	1.87	4.00	2.52	17.93	88.43	0.00	88.43	30.65	1.93	0.00	5.00	0.85	1.12	2.50	30.01	-0.08	31.27	5.00
517	5.17	2.78	53.25	-7.28	1.91	2.78	1.92	4.00	2.53	17.95	88.61	0.00	88.61	30.36	1.98	0.00	4.00	0.85	1.12	2.51	29.75	-0.08	30.84	5.00
518	5.18	2.75	54.07	-7.38	1.97	2.75	1.97	4.00	2.54	17.97	88.79	0.00	88.79	29.95	2.03	0.00	4.00	0.85	1.12	2.52	29.38	-0.08	30.36	5.00
519	5.19	2.74	54.29	-7.38	1.98	2.74	1.98	4.00	2.54	17.97	88.97	0.00	88.97	29.78	2.05	0.00	4.00	0.85	1.12	2.52	29.22	-0.08	30.20	5.00
520	5.20	2.75	54.45	-7.28	1.98	2.75	1.98	4.00	2.54	17.97	89.15	0.00	89.15	29.83	2.05	0.00	4.00	0.85	1.12	2.52	29.28	-0.08	30.23	5.00
521	5.21	2.77	54.29	-7.19	1.96	2.77	1.96	4.00	2.53	17.97	89.33	0.00	89.33	29.99	2.03	0.00	4.00	0.85	1.11	2.52	29.44	-0.08	30.42	5.00
522	5.22	2.83	53.85	-7.19	1.91	2.83	1.90	4.00	2.52	17.97	89.51	0.00	89.51	30.60	1.97	0.00	4.00	0.85	1.11	2.50	30.03	-0.08	31.02	5.00
523	5.23	2.87	53.79	-7.09	1.88	2.87	1.88	4.00	2.51	17.98	89.69	0.00	89.69	30.98	1.94	0.00	5.00	0.84	1.11	2.49	30.40	-0.08	31.36	5.00
524	5.24	2.90	53.82	-7.00	1.86	2.90	1.86	4.00	2.50	17.98	89.87	0.00	89.87	31.25	1.92	0.00	5.00	0.84	1.11	2.49	30.67	-0.08	31.58	5.00
525	5.25	2.96	53.98	-6.90	1.82	2.96	1.82	5.00	2.49	17.99	90.05	0.00	90.05	31.86	1.88	0.00	5.00	0.84	1.10	2.48	31.25	-0.08	32.03	5.00
526	5.26	2.99	54.36	-6.90	1.82	2.99	1.82	5.00	2.49	18.00	90.23	0.00	90.23	32.12	1.88	0.00	5.00	0.84	1.10	2.47	31.52	-0.08	32.16	7.00
527	5.27	3.00	54.77	-6.90	1.83	3.00	1.83	5.00	2.49	18.01	90.41	0.00	90.41	32.17	1.88	0.00	5.00	0.84	1.10	2.47	31.57	-0.08	32.11	7.00
528	5.28	3.01	54.61	-6.90	1.81	3.01	1.82	5.00	2.49	18.01	90.59	0.00	90.59	32.21	1.87	0.00	5.00	0.84	1.10	2.47	31.63	-0.08	32.22	7.00
529	5.29	3.01	54.26	-6.80	1.80	3.01	1.80	5.00	2.48	18.00	90.77	0.00	90.77	32.15	1.86	0.00	5.00	0.84	1.10	2.47	31.57	-0.07	32.30	7.00
530	5.30	2.97	53.85	-6.90	1.81	2.97	1.81	5.00	2.49	17.99	90.95	0.00	90.95	31.64	1.87	0.00	5.00	0.84	1.09	2.48	31.09	-0.08	32.06	7.00
531	5.31	2.95	54.07	-6.90	1.83	2.95	1.83	5.00	2.49	17.99	91.13	0.00	91.13	31.36	1.89	0.00	5.00	0.84	1.09	2.48	30.83	-0.08	31.81	5.00
532	5.32	2.88	54.39	-6.90	1.89	2.88	1.89	4.00	2.51	17.99	91.31	0.00	91.31	30.53	1.95	0.00	5.00	0.85	1.09	2.50	30.05	-0.08	31.13	5.00
533	5.33	2.85	54.52	-6.90	1.92	2.85	1.91	4.00	2.52	17.99	91.49	0.00	91.49	30.14	1.98	0.00	4.00	0.85	1.09	2.51	29.68	-0.08	30.83	5.00
534	5.34	2.76	55.27	-7.00	2.01	2.76	2.00	4.00	2.54	17.99	91.67	0.00	91.67	29.09	2.07	0.00	4.00	0.86	1.09	2.53	28.69	-0.08	29.88	5.00
535	5.35	2.71	55.18	-7.00	2.04	2.71	2.04	4.00	2.55	17.98	91.85	0.00	91.85	28.49	2.11	0.00	4.00	0.86	1.09	2.54	28.11	-0.08	29.48	5.00
536	5.36	2.68	55.18	-7.00	2.06	2.68	2.06	4.00	2.56	17.98	92.03	0.00	92.03	28.11	2.13	0.00	4.00	0.87	1.09	2.55	27.75	-0.08	29.22	5.00
537	5.37	2.61	55.08	-7.00	2.11	2.61	2.11	4.00	2.57	17.97	92.21	0.00	92.21	27.29	2.19	0.00	4.00	0.87	1.09	2.57	26.97	-0.08	28.65	5.00
538	5.38	2.58	54.67	-7.00	2.12	2.58	2.12	4.00	2.58	17.95	92.39	0.00	92.39	26.91	2.20	0.00	4.00	0.88	1.08	2.57	26.60	-0.08	28.49	5.00
539	5.39	2.55	53.57	-7.00	2.10	2.55	2.10	4.00	2.58	17.93	92.57	0.00	92.57	26.53	2.18	0.00	4.00	0.88	1.08	2.58	26.24	-0.08	28.48	5.00
540	5.40	2.55	53.35	-7.00	2.09	2.55	2.09	4.00	2.58	17.92	92.75	0.00	92.75	26.48	2.17	0.00	4.00	0.88	1.08	2.58	26.19	-0.08	28.52	5.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
541	5.41	2.55	52.47	-6.90	2.06	2.55	2.06	4.00	2.58	17.90	92.92	0.00	92.92	26.43	2.14	0.00	4.00	0.88	1.08	2.57	26.14	-0.07	28.72	5.00
542	5.42	2.55	51.77	-6.90	2.03	2.55	2.03	4.00	2.57	17.89	93.10	0.00	93.10	26.37	2.11	0.00	4.00	0.87	1.08	2.57	26.10	-0.07	28.87	5.00
543	5.43	2.57	51.05	-6.90	1.99	2.57	1.99	4.00	2.56	17.87	93.28	0.00	93.28	26.54	2.06	0.00	4.00	0.87	1.07	2.56	26.26	-0.07	29.20	5.00
544	5.44	2.63	49.34	-6.80	1.87	2.63	1.88	4.00	2.54	17.84	93.46	0.00	93.46	27.12	1.95	0.00	4.00	0.86	1.07	2.54	26.83	-0.07	30.13	5.00
545	5.45	2.67	48.59	-6.71	1.82	2.67	1.82	4.00	2.53	17.83	93.64	0.00	93.64	27.50	1.89	0.00	4.00	0.86	1.07	2.53	27.19	-0.07	30.66	5.00
546	5.46	2.75	46.82	-6.61	1.71	2.75	1.70	5.00	2.50	17.80	93.82	0.00	93.82	28.30	1.76	0.00	5.00	0.85	1.07	2.50	27.97	-0.07	31.82	5.00
547	5.47	2.78	46.19	-6.61	1.66	2.78	1.66	5.00	2.49	17.79	94.00	0.00	94.00	28.56	1.72	0.00	5.00	0.84	1.07	2.49	28.23	-0.07	32.24	7.00
548	5.48	2.80	44.74	-6.52	1.60	2.80	1.60	5.00	2.48	17.75	94.17	0.00	94.17	28.72	1.65	0.00	5.00	0.84	1.06	2.48	28.38	-0.07	32.82	7.00
549	5.49	2.83	44.11	-6.42	1.56	2.83	1.56	5.00	2.47	17.74	94.35	0.00	94.35	28.98	1.61	0.00	5.00	0.84	1.06	2.47	28.65	-0.07	33.25	7.00
550	5.50	2.86	44.05	-6.42	1.54	2.86	1.54	5.00	2.46	17.74	94.53	0.00	94.53	29.24	1.59	0.00	5.00	0.83	1.06	2.46	28.91	-0.07	33.52	7.00
551	5.51	2.88	44.49	-6.42	1.54	2.88	1.55	5.00	2.46	17.76	94.71	0.00	94.71	29.40	1.60	0.00	5.00	0.83	1.06	2.46	29.07	-0.07	33.55	7.00
552	5.52	2.85	45.09	-6.42	1.58	2.85	1.58	5.00	2.47	17.77	94.88	0.00	94.88	29.02	1.64	0.00	5.00	0.84	1.06	2.47	28.72	-0.07	33.09	7.00
553	5.53	2.76	49.85	-6.13	1.81	2.76	1.81	4.00	2.51	17.87	95.06	0.00	95.06	28.02	1.87	0.00	4.00	0.86	1.06	2.52	27.76	-0.06	30.96	5.00
554	5.54	2.72	53.25	-6.04	1.96	2.72	1.96	4.00	2.54	17.94	95.24	0.00	95.24	27.55	2.03	0.00	4.00	0.87	1.06	2.54	27.32	-0.06	29.75	5.00
555	5.55	2.62	58.01	-6.04	2.21	2.62	2.22	4.00	2.59	18.03	95.42	0.00	95.42	26.44	2.30	0.00	4.00	0.88	1.05	2.59	26.26	-0.06	27.81	5.00
556	5.56	2.57	59.34	-6.04	2.31	2.57	2.31	4.00	2.60	18.05	95.60	0.00	95.60	25.87	2.40	0.00	4.00	0.89	1.05	2.61	25.71	-0.06	27.12	5.00
557	5.57	2.50	61.07	-6.04	2.44	2.50	2.44	4.00	2.63	18.07	95.78	0.00	95.78	25.09	2.54	0.00	4.00	0.90	1.05	2.63	24.95	-0.06	26.20	5.00
558	5.58	2.47	61.80	-6.13	2.50	2.47	2.50	4.00	2.64	18.08	95.96	0.00	95.96	24.73	2.60	0.00	4.00	0.91	1.05	2.65	24.60	-0.06	25.81	5.00
559	5.59	2.44	62.27	-6.04	2.55	2.44	2.55	4.00	2.65	18.08	96.14	0.00	96.14	24.37	2.66	0.00	4.00	0.91	1.05	2.66	24.25	-0.06	25.47	5.00
560	5.60	2.35	64.95	-6.13	2.76	2.35	2.77	4.00	2.68	18.12	96.33	0.00	96.33	23.38	2.88	0.00	4.00	0.92	1.05	2.69	23.29	-0.06	24.27	5.00
561	5.61	2.31	66.28	-6.13	2.87	2.31	2.87	4.00	2.70	18.13	96.51	0.00	96.51	22.92	3.00	0.00	4.00	0.93	1.05	2.71	22.84	-0.06	23.72	5.00
562	5.62	2.26	67.92	-6.23	3.01	2.26	3.01	4.00	2.72	18.15	96.69	0.00	96.69	22.36	3.14	0.00	4.00	0.94	1.04	2.73	22.30	-0.06	23.06	5.00
563	5.63	2.13	70.50	-6.33	3.32	2.13	3.31	4.00	2.76	18.17	96.87	0.00	96.87	20.97	3.47	0.00	4.00	0.96	1.04	2.78	20.93	-0.07	21.69	3.00
564	5.64	2.09	70.53	-6.33	3.38	2.09	3.38	4.00	2.78	18.17	97.05	0.00	97.05	20.52	3.54	0.00	4.00	0.96	1.04	2.79	20.49	-0.07	21.39	3.00
565	5.65	2.00	69.27	-6.33	3.47	2.00	3.47	4.00	2.80	18.13	97.23	0.00	97.23	19.56	3.64	0.00	3.00	0.97	1.04	2.81	19.53	-0.07	20.92	3.00
566	5.66	1.96	67.79	-6.42	3.46	1.96	3.46	4.00	2.80	18.10	97.41	0.00	97.41	19.11	3.64	0.00	3.00	0.97	1.04	2.82	19.09	-0.07	20.85	3.00
567	5.67	1.88	62.97	-6.52	3.35	1.88	3.35	4.00	2.81	18.00	97.59	0.00	97.59	18.25	3.54	0.00	3.00	0.98	1.04	2.83	18.23	-0.07	21.00	3.00
568	5.68	1.82	60.51	-6.61	3.32	1.82	3.33	4.00	2.82	17.94	97.77	0.00	97.77	17.60	3.52	0.00	3.00	0.98	1.04	2.84	17.59	-0.07	20.92	3.00
569	5.69	1.78	58.80	-6.52	3.31	1.78	3.31	3.00	2.82	17.90	97.95	0.00	97.95	17.16	3.50	0.00	3.00	0.98	1.03	2.85	17.15	-0.07	20.88	3.00
570	5.70	1.73	56.88	-6.61	3.29	1.73	3.29	3.00	2.83	17.85	98.13	0.00	98.13	16.62	3.49	0.00	3.00	0.99	1.03	2.86	16.61	-0.07	20.80	3.00
571	5.71	1.72	56.88	-6.61	3.31	1.72	3.31	3.00	2.84	17.84	98.31	0.00	98.31	16.48	3.51	0.00	3.00	0.99	1.03	2.86	16.48	-0.07	20.71	3.00
572	5.72	1.71	57.54	-6.61	3.37	1.71	3.37	3.00	2.84	17.85	98.49	0.00	98.49	16.35	3.57	0.00	3.00	0.99	1.03	2.87	16.34	-0.07	20.52	3.00
573	5.73	1.75	60.41	-4.70	3.45	1.75	3.45	3.00	2.84	17.92	98.67	0.00	98.67	16.73	3.66	0.00	3.00	0.99	1.03	2.87	16.72	-0.05	20.37	3.00
574	5.74	1.81	61.58	-2.68	3.41	1.81	3.40	3.00	2.83	17.95	98.85	0.00	98.85	17.31	3.60	0.00	3.00	0.99	1.02	2.85	17.30	-0.03	20.64	3.00
575	5.75	2.02	63.15	0.67	3.13	2.02	3.13	4.00	2.77	18.03	99.03	0.00	99.03	19.40	3.29	0.00	4.00	0.96	1.02	2.79	19.38	0.01	21.97	3.00
576	5.76	2.16	63.60	2.49	2.95	2.16	2.94	4.00	2.73	18.06	99.21	0.00	99.21	20.78	3.09	0.00	4.00	0.95	1.02	2.75	20.75	0.03	22.94	5.00
577	5.77	2.37	64.57	5.94	2.73	2.37	2.72	4.00	2.67	18.11	99.39	0.00	99.39	22.86	2.84	0.00	4.00	0.93	1.02	2.69	22.83	0.06	24.34	5.00
578	5.78	2.47	66.24	6.71	2.68	2.47	2.68	4.00	2.66	18.16	99.57	0.00	99.57	23.82	2.79	0.00	4.00	0.92	1.02	2.68	23.79	0.07	24.76	5.00
579	5.79	2.60	68.77	6.42	2.65	2.60	2.64	4.00	2.63	18.22	99.75	0.00	99.75	25.08	2.75	0.00	4.00	0.91	1.01	2.65	25.04	0.06	25.24	5.00
580	5.80	2.60	70.85	6.33	2.72	2.60	2.72	4.00	2.64	18.26	99.93	0.00	99.93	25.03	2.83	0.00	4.00	0.91	1.01	2.66	25.00	0.06	24.86	5.00
581	5.81	2.57	73.40	6.13	2.86	2.57	2.85	4.00	2.66	18.29	100.12	0.00	100.12	24.68	2.97	0.00	4.00	0.92	1.01	2.68	24.66	0.06	24.20	5.00
582	5.82	2.45	78.76	5.85	3.22	2.45	3.21	4.00	2.71	18.35	100.30	0.00	100.30	23.44	3.35	0.00	4.00	0.94	1.01	2.73	23.42	0.06	22.51	5.00
583	5.83	2.41	81.28	5.75	3.37	2.41	3.37	4.00	2.73	18.38	100.48	0.00	100.48	23.00	3.52	0.00	4.00	0.95	1.01	2.75	22.99	0.06	21.87	3.00
584	5.84	2.39	86.52	5.46	3.62	2.39	3.62	4.00	2.75	18.45	100.67	0.00	100.67	22.75	3.78	0.00	4.00	0.96	1.01	2.77	22.75	0.05	21.00	3.00
585	5.85	2.33	87.68	5.27	3.76	2.33	3.76	4.00	2.77	18.46	100.85	0.00	100.85	22.11	3.93	0.00	3.00	0.96	1.00	2.79	22.11	0.05	20.46	3.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
586	5.86	2.15	87.84	4.79	4.08	2.15	4.08	3.00	2.82	18.43	101.04	0.00	101.04	20.29	4.28	0.00	3.00	0.98	1.00	2.85	20.29	0.05	19.30	3.00
587	5.87	2.04	86.68	4.60	4.25	2.04	4.25	3.00	2.85	18.39	101.22	0.00	101.22	19.16	4.47	0.00	3.00	1.00	1.00	2.88	19.16	0.05	18.74	3.00
588	5.88	1.84	86.20	4.50	4.69	1.84	4.68	3.00	2.91	18.35	101.41	0.00	101.41	17.15	4.96	0.00	3.00	1.00	1.00	2.94	17.15	0.04	17.52	3.00
589	5.89	1.84	86.20	4.50	4.69	1.84	4.68	3.00	2.91	18.35	101.59	0.00	101.59	17.12	4.96	0.00	3.00	1.00	1.00	2.94	17.12	0.04	17.51	3.00
590	5.90	1.84	86.20	4.50	4.69	1.84	4.68	3.00	2.91	18.35	101.77	0.00	101.77	17.09	4.96	0.00	3.00	1.00	1.00	2.95	17.09	0.04	17.51	3.00
591	5.91	1.82	75.04	2.40	4.13	1.82	4.12	3.00	2.88	18.18	101.95	0.00	101.95	16.86	4.37	0.00	3.00	1.00	0.99	2.91	16.86	0.02	18.70	3.00
592	5.92	1.75	75.64	3.35	4.33	1.75	4.32	3.00	2.90	18.18	102.14	0.00	102.14	16.14	4.59	0.00	3.00	1.00	0.99	2.94	16.14	0.03	18.15	3.00
593	5.93	1.76	75.61	3.74	4.30	1.76	4.29	3.00	2.90	18.18	102.32	0.00	102.32	16.21	4.56	0.00	3.00	1.00	0.99	2.94	16.21	0.04	18.21	3.00
594	5.94	1.77	74.95	3.83	4.23	1.77	4.23	3.00	2.89	18.17	102.50	0.00	102.50	16.28	4.49	0.00	3.00	1.00	0.99	2.93	16.28	0.04	18.36	3.00
595	5.95	1.87	72.74	4.12	3.88	1.87	3.89	3.00	2.85	18.16	102.68	0.00	102.68	17.22	4.11	0.00	3.00	1.00	0.99	2.89	17.22	0.04	19.33	3.00
596	5.96	1.90	71.95	4.22	3.78	1.90	3.79	3.00	2.84	18.15	102.86	0.00	102.86	17.48	4.00	0.00	3.00	1.00	0.99	2.88	17.48	0.04	19.64	3.00
597	5.97	1.91	70.78	4.22	3.71	1.91	3.70	3.00	2.83	18.14	103.04	0.00	103.04	17.54	3.92	0.00	3.00	0.99	0.98	2.87	17.55	0.04	19.86	3.00
598	5.98	1.92	69.71	4.31	3.64	1.92	3.63	3.00	2.82	18.12	103.23	0.00	103.23	17.61	3.84	0.00	3.00	0.99	0.98	2.86	17.61	0.04	20.07	3.00
599	5.99	1.90	69.33	4.31	3.65	1.90	3.65	3.00	2.83	18.11	103.41	0.00	103.41	17.38	3.86	0.00	3.00	0.99	0.98	2.87	17.38	0.04	19.98	3.00
600	6.00	1.89	69.84	4.31	3.69	1.89	3.69	3.00	2.83	18.12	103.59	0.00	103.59	17.25	3.91	0.00	3.00	1.00	0.98	2.88	17.26	0.04	19.83	3.00
601	6.01	1.92	69.71	4.31	3.64	1.92	3.63	3.00	2.82	18.12	103.77	0.00	103.77	17.51	3.84	0.00	3.00	0.99	0.98	2.87	17.51	0.04	20.06	3.00
602	6.02	1.93	69.90	4.31	3.62	1.93	3.62	3.00	2.82	18.13	103.95	0.00	103.95	17.58	3.83	0.00	3.00	0.99	0.97	2.86	17.58	0.04	20.09	3.00
603	6.03	1.94	71.60	4.31	3.68	1.94	3.69	3.00	2.82	18.16	104.13	0.00	104.13	17.64	3.90	0.00	3.00	0.99	0.97	2.87	17.64	0.04	19.92	3.00
604	6.04	1.93	71.57	4.22	3.70	1.93	3.71	3.00	2.83	18.15	104.31	0.00	104.31	17.51	3.92	0.00	3.00	1.00	0.97	2.87	17.51	0.04	19.85	3.00
605	6.05	1.83	68.96	4.03	3.76	1.83	3.77	3.00	2.85	18.09	104.49	0.00	104.49	16.52	3.99	0.00	3.00	1.00	0.97	2.90	16.52	0.04	19.50	3.00
606	6.06	1.77	67.54	3.83	3.82	1.77	3.81	3.00	2.86	18.05	104.67	0.00	104.67	15.92	4.05	0.00	3.00	1.00	0.97	2.91	15.92	0.04	19.27	3.00
607	6.07	1.68	64.67	3.64	3.84	1.68	3.85	3.00	2.88	17.98	104.85	0.00	104.85	15.03	4.10	0.00	3.00	1.00	0.97	2.94	15.03	0.03	19.01	3.00
608	6.08	1.68	63.60	3.64	3.79	1.68	3.78	3.00	2.88	17.96	105.03	0.00	105.03	15.00	4.04	0.00	3.00	1.00	0.96	2.93	15.00	0.03	19.15	3.00
609	6.09	1.65	63.60	3.55	3.85	1.65	3.85	3.00	2.89	17.96	105.21	0.00	105.21	14.69	4.12	0.00	3.00	1.00	0.96	2.94	14.69	0.03	18.93	3.00
610	6.10	1.61	64.04	3.55	3.98	1.61	3.98	3.00	2.91	17.96	105.39	0.00	105.39	14.28	4.25	0.00	3.00	1.00	0.96	2.96	14.28	0.03	18.57	3.00
611	6.11	1.54	65.96	3.74	4.29	1.54	4.28	3.00	2.94	17.97	105.57	0.00	105.57	13.59	4.60	0.00	3.00	1.00	0.96	3.00	13.59	0.04	17.81	3.00
612	6.12	1.54	66.28	3.83	4.31	1.54	4.30	3.00	2.94	17.98	105.75	0.00	105.75	13.57	4.62	0.00	3.00	1.00	0.96	3.00	13.57	0.04	17.77	3.00
613	6.13	1.57	66.56	3.83	4.24	1.57	4.24	3.00	2.93	17.99	105.93	0.00	105.93	13.83	4.54	0.00	3.00	1.00	0.96	2.99	13.83	0.04	17.94	3.00
614	6.14	1.59	67.44	3.93	4.24	1.59	4.24	3.00	2.93	18.01	106.11	0.00	106.11	13.99	4.54	0.00	3.00	1.00	0.95	2.99	13.99	0.04	17.96	3.00
615	6.15	1.60	67.76	4.03	4.24	1.60	4.23	3.00	2.93	18.02	106.29	0.00	106.29	14.06	4.53	0.00	3.00	1.00	0.95	2.99	14.06	0.04	17.99	3.00
616	6.16	1.62	67.03	4.12	4.13	1.62	4.14	3.00	2.92	18.01	106.47	0.00	106.47	14.22	4.43	0.00	3.00	1.00	0.95	2.97	14.22	0.04	18.22	3.00
617	6.17	1.64	67.22	4.22	4.10	1.64	4.10	3.00	2.91	18.02	106.65	0.00	106.65	14.39	4.38	0.00	3.00	1.00	0.95	2.97	14.39	0.04	18.33	3.00
618	6.18	1.64	67.25	4.22	4.10	1.64	4.10	3.00	2.91	18.02	106.83	0.00	106.83	14.36	4.38	0.00	3.00	1.00	0.95	2.97	14.36	0.04	18.32	3.00
619	6.19	1.61	66.40	4.22	4.13	1.61	4.12	3.00	2.92	18.00	107.01	0.00	107.01	14.05	4.42	0.00	3.00	1.00	0.95	2.98	14.05	0.04	18.22	3.00
620	6.20	1.59	66.46	4.22	4.19	1.59	4.18	3.00	2.93	17.99	107.19	0.00	107.19	13.84	4.48	0.00	3.00	1.00	0.95	2.99	13.84	0.04	18.06	3.00
621	6.21	1.53	66.78	4.12	4.37	1.53	4.36	3.00	2.95	17.98	107.37	0.00	107.37	13.26	4.69	0.00	3.00	1.00	0.94	3.01	13.26	0.04	17.59	3.00
622	6.22	1.53	67.76	4.12	4.44	1.53	4.43	3.00	2.95	18.00	107.55	0.00	107.55	13.23	4.76	0.00	3.00	1.00	0.94	3.02	13.23	0.04	17.47	3.00
623	6.23	1.55	68.45	4.22	4.42	1.55	4.41	3.00	2.95	18.02	107.73	0.00	107.73	13.40	4.74	0.00	3.00	1.00	0.94	3.01	13.40	0.04	17.52	3.00
624	6.24	1.60	68.58	4.41	4.29	1.60	4.28	3.00	2.93	18.03	107.91	0.00	107.91	13.84	4.59	0.00	3.00	1.00	0.94	2.99	13.84	0.04	17.85	3.00
625	6.25	1.60	68.99	4.70	4.31	1.60	4.31	3.00	2.93	18.04	108.09	0.00	108.09	13.81	4.62	0.00	3.00	1.00	0.94	3.00	13.81	0.04	17.79	3.00
626	6.26	1.68	68.83	5.18	4.09	1.68	4.09	3.00	2.90	18.05	108.27	0.00	108.27	14.53	4.38	0.00	3.00	1.00	0.94	2.96	14.53	0.05	18.36	3.00
627	6.27	1.76	68.33	5.56	3.89	1.76	3.88	3.00	2.87	18.06	108.46	0.00	108.46	15.24	4.13	0.00	3.00	1.00	0.93	2.93	15.24	0.05	18.98	3.00
628	6.28	1.83	68.36	5.65	3.74	1.83	3.73	3.00	2.85	18.08	108.64	0.00	108.64	15.86	3.97	0.00	3.00	1.00	0.93	2.91	15.86	0.05	19.45	3.00
629	6.29	1.95	68.20	5.85	3.50	1.95	3.50	4.00	2.81	18.10	108.82	0.00	108.82	16.93	3.70	0.00	3.00	1.00	0.93	2.87	16.94	0.05	20.30	3.00
630	6.30	1.99	69.05	5.94	3.48	1.99	3.47	4.00	2.80	18.12	109.00	0.00	109.00	17.27	3.67	0.00	3.00	0.99	0.93	2.86	17.28	0.05	20.45	3.00

GeoDeep
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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
631	6.31	2.11	68.67	6.13	3.26	2.11	3.25	4.00	2.76	18.14	109.18	0.00	109.18	18.34	3.43	0.00	3.00	0.98	0.93	2.82	18.37	0.06	21.33	3.00
632	6.32	2.17	68.23	6.13	3.14	2.17	3.14	4.00	2.74	18.14	109.36	0.00	109.36	18.85	3.31	0.00	4.00	0.97	0.93	2.80	18.90	0.06	21.80	3.00
633	6.33	2.25	67.95	6.23	3.01	2.25	3.02	4.00	2.72	18.15	109.54	0.00	109.54	19.55	3.17	0.00	4.00	0.96	0.93	2.78	19.61	0.06	22.40	5.00
634	6.34	2.36	68.96	6.23	2.92	2.36	2.92	4.00	2.69	18.19	109.72	0.00	109.72	20.52	3.06	0.00	4.00	0.95	0.93	2.75	20.60	0.06	22.99	5.00
635	6.35	2.33	68.61	6.23	2.94	2.33	2.94	4.00	2.70	18.18	109.91	0.00	109.91	20.21	3.09	0.00	4.00	0.95	0.93	2.76	20.29	0.06	22.83	5.00
636	6.36	2.14	68.29	5.94	3.20	2.14	3.19	4.00	2.75	18.14	110.09	0.00	110.09	18.45	3.36	0.00	4.00	0.98	0.92	2.81	18.49	0.05	21.56	3.00
637	6.37	2.08	67.32	5.85	3.24	2.08	3.23	4.00	2.77	18.11	110.27	0.00	110.27	17.87	3.42	0.00	3.00	0.98	0.92	2.83	17.90	0.05	21.28	3.00
638	6.38	2.07	65.80	5.85	3.18	2.07	3.18	4.00	2.76	18.08	110.45	0.00	110.45	17.75	3.36	0.00	3.00	0.98	0.92	2.82	17.78	0.05	21.42	3.00
639	6.39	2.09	65.74	5.94	3.14	2.09	3.14	4.00	2.76	18.09	110.63	0.00	110.63	17.90	3.32	0.00	4.00	0.98	0.92	2.82	17.94	0.05	21.57	3.00
640	6.40	2.10	66.84	6.33	3.18	2.10	3.18	4.00	2.76	18.11	110.81	0.00	110.81	17.96	3.36	0.00	4.00	0.98	0.92	2.82	18.00	0.06	21.46	3.00
641	6.41	2.16	70.66	7.09	3.27	2.16	3.27	4.00	2.76	18.18	110.99	0.00	110.99	18.47	3.45	0.00	3.00	0.98	0.91	2.82	18.51	0.06	21.31	3.00
642	6.42	2.26	71.70	7.48	3.17	2.26	3.17	4.00	2.73	18.22	111.18	0.00	111.18	19.34	3.33	0.00	4.00	0.97	0.91	2.79	19.40	0.07	21.83	3.00
643	6.43	2.38	73.15	7.86	3.08	2.38	3.07	4.00	2.71	18.26	111.36	0.00	111.36	20.39	3.22	0.00	4.00	0.96	0.91	2.77	20.47	0.07	22.41	5.00
644	6.44	2.70	74.50	8.15	2.76	2.70	2.76	4.00	2.63	18.33	111.54	0.00	111.54	23.22	2.88	0.00	4.00	0.93	0.91	2.69	23.38	0.07	24.32	5.00
645	6.45	2.86	73.31	8.24	2.57	2.86	2.56	4.00	2.59	18.33	111.72	0.00	111.72	24.61	2.67	0.00	4.00	0.91	0.91	2.65	24.82	0.07	25.57	5.00
646	6.46	2.90	71.89	8.34	2.48	2.90	2.48	4.00	2.58	18.31	111.91	0.00	111.91	24.93	2.58	0.00	4.00	0.91	0.91	2.63	25.16	0.07	26.08	5.00
647	6.47	2.93	70.00	8.24	2.39	2.93	2.39	4.00	2.57	18.29	112.09	0.00	112.09	25.15	2.48	0.00	4.00	0.90	0.91	2.62	25.40	0.07	26.60	5.00
648	6.48	2.95	65.93	8.24	2.23	2.95	2.23	4.00	2.55	18.22	112.27	0.00	112.27	25.29	2.32	0.00	4.00	0.90	0.91	2.60	25.56	0.07	27.49	5.00
649	6.49	2.97	64.38	8.24	2.16	2.97	2.17	4.00	2.54	18.20	112.45	0.00	112.45	25.43	2.25	0.00	4.00	0.89	0.91	2.59	25.71	0.07	27.92	5.00
650	6.50	3.03	61.92	8.24	2.04	3.03	2.04	4.00	2.51	18.16	112.64	0.00	112.64	25.92	2.12	0.00	4.00	0.88	0.91	2.57	26.24	0.07	28.84	5.00
651	6.51	3.05	60.85	8.24	2.00	3.05	1.99	4.00	2.50	18.14	112.82	0.00	112.82	26.05	2.07	0.00	4.00	0.88	0.91	2.56	26.38	0.07	29.19	5.00
652	6.52	2.98	58.30	8.15	1.96	2.98	1.96	4.00	2.51	18.08	113.00	0.00	113.00	25.39	2.03	0.00	4.00	0.88	0.91	2.56	25.71	0.07	29.21	5.00
653	6.53	2.91	58.61	8.15	2.02	2.91	2.01	4.00	2.52	18.08	113.18	0.00	113.18	24.73	2.09	0.00	4.00	0.89	0.91	2.58	25.03	0.07	28.61	5.00
654	6.54	2.68	60.57	8.05	2.26	2.68	2.26	4.00	2.58	18.09	113.36	0.00	113.36	22.66	2.36	0.00	4.00	0.91	0.90	2.64	22.88	0.07	26.52	5.00
655	6.55	2.52	61.26	7.86	2.43	2.52	2.43	4.00	2.62	18.08	113.54	0.00	113.54	21.21	2.54	0.00	4.00	0.93	0.90	2.69	21.38	0.07	25.23	5.00
656	6.56	2.18	61.86	7.48	2.84	2.18	2.84	4.00	2.71	18.03	113.72	0.00	113.72	18.18	2.99	0.00	4.00	0.97	0.89	2.78	18.25	0.07	22.67	5.00
657	6.57	2.00	63.60	7.19	3.18	2.00	3.18	4.00	2.77	18.03	113.90	0.00	113.90	16.57	3.37	0.00	3.00	0.99	0.89	2.85	16.59	0.06	21.12	3.00
658	6.58	1.85	65.68	7.00	3.55	1.85	3.55	3.00	2.83	18.04	114.08	0.00	114.08	15.23	3.78	0.00	3.00	1.00	0.89	2.91	15.23	0.06	19.78	3.00
659	6.59	1.62	70.66	6.71	4.35	1.62	4.36	3.00	2.93	18.07	114.26	0.00	114.26	13.19	4.69	0.00	3.00	1.00	0.89	3.02	13.19	0.06	17.59	3.00
660	6.60	1.50	73.97	6.71	4.93	1.50	4.93	3.00	2.99	18.09	114.44	0.00	114.44	12.12	5.33	0.00	3.00	1.00	0.89	3.08	12.12	0.06	16.43	3.00
661	6.61	1.50	73.97	6.71	4.93	1.50	4.93	3.00	2.99	18.09	114.62	0.00	114.62	12.10	5.33	0.00	3.00	1.00	0.88	3.08	12.10	0.06	16.43	3.00
662	6.62	1.28	75.89	7.38	5.95	1.28	5.92	3.00	3.09	18.06	114.81	0.00	114.81	10.16	6.50	0.01	3.00	1.00	0.88	3.19	10.16	0.06	14.81	2.00
663	6.63	1.32	74.73	8.24	5.66	1.32	5.65	3.00	3.07	18.06	114.99	0.00	114.99	10.49	6.19	0.01	3.00	1.00	0.88	3.17	10.49	0.07	15.18	2.00
664	6.64	1.50	69.46	13.71	4.63	1.50	4.62	3.00	2.97	18.02	115.17	0.00	115.17	12.05	5.01	0.01	3.00	1.00	0.88	3.06	12.05	0.12	16.92	3.00
665	6.65	1.64	68.58	21.56	4.18	1.64	4.17	3.00	2.91	18.04	115.35	0.00	115.35	13.26	4.48	0.01	3.00	1.00	0.88	3.00	13.26	0.19	17.97	3.00
666	6.66	2.01	67.19	35.37	3.35	2.02	3.33	4.00	2.78	18.10	115.53	0.00	115.53	16.46	3.53	0.02	3.00	1.00	0.88	2.86	16.47	0.31	20.65	3.00
667	6.67	2.24	64.67	34.98	2.89	2.25	2.88	4.00	2.71	18.09	115.71	0.00	115.71	18.42	3.03	0.02	4.00	0.97	0.88	2.78	18.50	0.30	22.60	5.00
668	6.68	2.60	61.20	34.98	2.36	2.61	2.35	4.00	2.60	18.09	115.89	0.00	115.89	21.50	2.46	0.01	4.00	0.93	0.88	2.67	21.71	0.30	25.71	5.00
669	6.69	2.69	59.21	34.69	2.20	2.70	2.20	4.00	2.57	18.06	116.07	0.00	116.07	22.24	2.29	0.01	4.00	0.91	0.88	2.64	22.50	0.30	26.72	5.00
670	6.70	2.76	56.25	34.50	2.04	2.77	2.03	4.00	2.54	18.01	116.25	0.00	116.25	22.80	2.12	0.01	4.00	0.90	0.88	2.61	23.11	0.30	27.82	5.00
671	6.71	2.89	53.54	33.83	1.85	2.90	1.85	5.00	2.50	17.97	116.43	0.00	116.43	23.88	1.93	0.01	4.00	0.89	0.88	2.57	24.26	0.29	29.35	5.00
672	6.72	2.95	52.91	33.64	1.79	2.96	1.79	5.00	2.49	17.97	116.61	0.00	116.61	24.36	1.86	0.01	4.00	0.88	0.88	2.56	24.77	0.29	29.94	5.00
673	6.73	2.99	53.32	33.35	1.79	3.00	1.78	5.00	2.48	17.98	116.79	0.00	116.79	24.66	1.85	0.01	4.00	0.88	0.88	2.55	25.09	0.29	30.13	5.00
674	6.74	3.05	53.79	32.87	1.76	3.06	1.76	5.00	2.47	18.00	116.97	0.00	116.97	25.13	1.83	0.01	4.00	0.88	0.88	2.54	25.59	0.28	30.46	5.00
675	6.75	3.07	53.47	32.68	1.74	3.08	1.74	5.00	2.47	18.00	117.15	0.00	117.15	25.26	1.81	0.01	4.00	0.87	0.88	2.53	25.73	0.28	30.67	5.00

Via di Belvedere 11/B 55054 Bozzano - Massarosa (LU) T (+39)328.6122159 C. Fisc & Part. IVA 02589320460 info@geodeep.it

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
676	6.76	3.10	53.10	32.30	1.71	3.11	1.71	5.00	2.46	17.99	117.33	0.00	117.33	25.48	1.78	0.01	4.00	0.87	0.88	2.53	25.97	0.28	30.97	5.00
677	6.77	3.10	53.41	32.20	1.72	3.11	1.72	5.00	2.46	18.00	117.51	0.00	117.51	25.44	1.79	0.01	4.00	0.87	0.88	2.53	25.93	0.27	30.89	5.00
678	6.78	3.06	53.73	31.82	1.76	3.07	1.75	5.00	2.47	18.00	117.69	0.00	117.69	25.06	1.82	0.01	4.00	0.88	0.88	2.54	25.53	0.27	30.49	5.00
679	6.79	3.02	53.82	31.63	1.78	3.03	1.78	5.00	2.48	18.00	117.87	0.00	117.87	24.68	1.85	0.01	4.00	0.88	0.88	2.55	25.13	0.27	30.16	5.00
680	6.80	2.97	53.85	31.44	1.81	2.98	1.81	5.00	2.49	17.99	118.05	0.00	118.05	24.21	1.88	0.01	4.00	0.88	0.87	2.56	24.65	0.27	29.76	5.00
681	6.81	2.82	55.40	30.96	1.96	2.83	1.96	4.00	2.53	18.00	118.23	0.00	118.23	22.91	2.05	0.01	4.00	0.90	0.87	2.60	23.26	0.26	28.29	5.00
682	6.82	2.72	56.06	30.76	2.06	2.73	2.06	4.00	2.55	18.00	118.41	0.00	118.41	22.03	2.15	0.01	4.00	0.91	0.87	2.63	22.34	0.26	27.40	5.00
683	6.83	2.65	56.38	30.57	2.13	2.66	2.12	4.00	2.57	18.00	118.59	0.00	118.59	21.40	2.22	0.01	4.00	0.92	0.87	2.65	21.68	0.26	26.81	5.00
684	6.84	2.56	56.12	30.29	2.19	2.57	2.19	4.00	2.59	17.98	118.77	0.00	118.77	20.61	2.29	0.01	4.00	0.93	0.86	2.67	20.85	0.26	26.19	5.00
685	6.85	2.54	55.84	30.19	2.20	2.55	2.19	4.00	2.59	17.97	118.95	0.00	118.95	20.41	2.30	0.01	4.00	0.93	0.86	2.67	20.65	0.25	26.08	5.00
686	6.86	2.47	57.01	30.00	2.31	2.48	2.30	4.00	2.61	17.99	119.13	0.00	119.13	19.79	2.42	0.01	4.00	0.94	0.86	2.70	19.99	0.25	25.34	5.00
687	6.87	2.42	58.08	29.90	2.40	2.43	2.39	4.00	2.63	18.00	119.31	0.00	119.31	19.34	2.52	0.01	4.00	0.94	0.86	2.72	19.51	0.25	24.78	5.00
688	6.88	2.24	60.19	29.42	2.68	2.25	2.68	4.00	2.69	18.01	119.49	0.00	119.49	17.80	2.83	0.01	4.00	0.97	0.85	2.78	17.90	0.25	23.12	5.00
689	6.89	2.24	60.19	29.42	2.68	2.25	2.68	4.00	2.69	18.01	119.67	0.00	119.67	17.77	2.83	0.01	4.00	0.97	0.85	2.78	17.87	0.25	23.11	5.00
690	6.90	2.24	60.19	29.42	2.68	2.25	2.68	4.00	2.69	18.01	119.85	0.00	119.85	17.74	2.83	0.01	4.00	0.97	0.85	2.78	17.84	0.25	23.10	5.00
691	6.91	1.93	61.86	24.15	3.21	1.94	3.20	4.00	2.79	17.99	120.03	0.00	120.03	15.12	3.41	0.01	3.00	1.00	0.84	2.88	15.12	0.20	20.67	3.00
692	6.92	1.62	64.67	23.48	4.00	1.62	3.98	3.00	2.91	17.97	120.21	0.00	120.21	12.52	4.30	0.02	3.00	1.00	0.84	3.01	12.52	0.20	18.19	3.00
693	6.93	1.52	66.56	23.29	4.37	1.52	4.36	3.00	2.95	17.98	120.39	0.00	120.39	11.67	4.74	0.02	3.00	1.00	0.84	3.06	11.67	0.19	17.29	2.00
694	6.94	1.46	68.86	23.10	4.71	1.46	4.70	3.00	2.99	18.00	120.57	0.00	120.57	11.15	5.12	0.02	3.00	1.00	0.84	3.10	11.15	0.19	16.64	2.00
695	6.95	1.28	73.72	22.91	5.75	1.28	5.74	3.00	3.09	18.03	120.75	0.00	120.75	9.64	6.33	0.02	3.00	1.00	0.84	3.20	9.64	0.19	14.99	2.00
696	6.96	1.16	76.33	22.81	6.56	1.16	6.55	3.00	3.15	18.03	120.93	0.00	120.93	8.63	7.31	0.02	3.00	1.00	0.84	3.28	8.63	0.19	14.00	2.00
697	6.97	1.07	77.34	23.19	7.20	1.07	7.20	3.00	3.21	18.02	121.11	0.00	121.11	7.88	8.11	0.02	3.00	1.00	0.84	3.34	7.88	0.19	13.35	2.00
698	6.98	1.03	73.65	31.53	7.18	1.04	7.10	3.00	3.22	17.95	121.29	0.00	121.29	7.55	8.05	0.03	3.00	1.00	0.84	3.35	7.55	0.26	13.42	2.00
699	6.99	1.04	72.23	57.89	6.97	1.05	6.86	3.00	3.20	17.93	121.47	0.00	121.47	7.66	7.76	0.06	3.00	1.00	0.83	3.34	7.66	0.48	13.64	2.00
700	7.00	1.06	67.16	152.58	6.35	1.09	6.15	3.00	3.16	17.86	121.65	0.00	121.65	7.98	6.92	0.16	3.00	1.00	0.83	3.29	7.98	1.25	14.36	2.00
701	7.01	1.07	63.28	196.76	5.89	1.11	5.69	3.00	3.13	17.80	121.82	0.00	121.82	8.12	6.40	0.20	3.00	1.00	0.83	3.26	8.12	1.62	14.86	2.00
702	7.02	1.11	59.91	214.68	5.42	1.16	5.19	3.00	3.09	17.75	122.00	0.00	122.00	8.47	5.80	0.21	3.00	1.00	0.83	3.22	8.47	1.76	15.51	2.00
703	7.03	1.15	51.74	219.86	4.51	1.20	4.33	3.00	3.03	17.60	122.18	0.00	122.18	8.79	4.82	0.20	3.00	1.00	0.83	3.16	8.79	1.80	16.73	2.00
704	7.04	1.15	47.93	216.50	4.15	1.20	4.01	3.00	3.01	17.51	122.35	0.00	122.35	8.77	4.47	0.20	3.00	1.00	0.83	3.14	8.77	1.77	17.19	2.00
705	7.05	1.16	41.52	209.79	3.57	1.20	3.45	3.00	2.97	17.35	122.53	0.00	122.53	8.83	3.84	0.19	3.00	1.00	0.83	3.10	8.83	1.71	18.12	2.00
706	7.06	1.16	39.41	206.06	3.39	1.20	3.28	3.00	2.96	17.29	122.70	0.00	122.70	8.81	3.65	0.19	3.00	1.00	0.83	3.09	8.81	1.68	18.42	2.00
707	7.07	1.15	38.34	199.92	3.34	1.19	3.22	3.00	2.96	17.25	122.87	0.00	122.87	8.70	3.59	0.19	3.00	1.00	0.82	3.09	8.70	1.63	18.48	2.00
708	7.08	1.13	39.16	197.53	3.48	1.17	3.34	3.00	2.97	17.27	123.04	0.00	123.04	8.52	3.74	0.19	3.00	1.00	0.82	3.11	8.52	1.61	18.19	2.00
709	7.09	1.10	40.83	192.54	3.71	1.14	3.58	3.00	3.00	17.31	123.22	0.00	123.22	8.26	4.01	0.19	3.00	1.00	0.82	3.14	8.26	1.56	17.70	2.00
710	7.10	1.09	40.61	190.82	3.73	1.13	3.59	3.00	3.00	17.30	123.39	0.00	123.39	8.16	4.03	0.19	3.00	1.00	0.82	3.14	8.16	1.55	17.64	2.00
711	7.11	1.07	40.99	189.29	3.82	1.11	3.69	3.00	3.02	17.30	123.56	0.00	123.56	7.98	4.16	0.19	3.00	1.00	0.82	3.16	7.98	1.53	17.43	2.00
712	7.12	1.05	44.17	186.98	4.20	1.09	4.06	3.00	3.05	17.38	123.74	0.00	123.74	7.80	4.57	0.19	3.00	1.00	0.82	3.19	7.80	1.51	16.84	2.00
713	7.13	1.03	44.55	186.51	4.34	1.07	4.17	3.00	3.06	17.38	123.91	0.00	123.91	7.63	4.71	0.20	3.00	1.00	0.82	3.21	7.63	1.51	16.64	2.00
714	7.14	0.99	43.64	185.26	4.39	1.03	4.24	3.00	3.08	17.34	124.08	0.00	124.08	7.29	4.82	0.20	3.00	1.00	0.82	3.23	7.29	1.49	16.44	2.00
715	7.15	1.00	43.20	184.30	4.33	1.04	4.16	3.00	3.07	17.33	124.26	0.00	124.26	7.36	4.72	0.20	3.00	1.00	0.82	3.22	7.36	1.48	16.57	2.00
716	7.16	0.99	42.79	182.19	4.33	1.03	4.16	3.00	3.07	17.32	124.43	0.00	124.43	7.26	4.73	0.20	3.00	1.00	0.81	3.22	7.26	1.46	16.54	2.00
717	7.17	0.98	42.57	180.95	4.36	1.02	4.18	3.00	3.08	17.31	124.60	0.00	124.60	7.17	4.76	0.20	3.00	1.00	0.81	3.23	7.17	1.45	16.48	2.00
718	7.18	0.97	42.82	179.61	4.43	1.01	4.25	3.00	3.09	17.31	124.78	0.00	124.78	7.08	4.85	0.20	3.00	1.00	0.81	3.24	7.08	1.44	16.37	2.00
719	7.19	0.97	41.52	178.07	4.27	1.01	4.12	3.00	3.08	17.28	124.95	0.00	124.95	7.06	4.71	0.20	3.00	1.00	0.81	3.23	7.06	1.43	16.53	2.00
720	7.20	0.97	41.56	177.50	4.28	1.01	4.13	3.00	3.08	17.28	125.12	0.00	125.12	7.05	4.71	0.20	3.00	1.00	0.81	3.23	7.05	1.42	16.52	2.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
721	7.21	0.98	42.09	177.11	4.31	1.02	4.14	3.00	3.08	17.30	125.30	0.00	125.30	7.12	4.72	0.20	3.00	1.00	0.81	3.23	7.12	1.41	16.52	2.00
722	7.22	0.97	42.09	177.11	4.35	1.01	4.18	3.00	3.08	17.29	125.47	0.00	125.47	7.03	4.77	0.20	3.00	1.00	0.81	3.24	7.03	1.41	16.44	2.00
723	7.23	0.97	40.48	176.63	4.19	1.01	4.02	3.00	3.07	17.25	125.64	0.00	125.64	7.02	4.59	0.20	3.00	1.00	0.81	3.23	7.02	1.41	16.65	2.00
724	7.24	0.97	36.13	176.83	3.72	1.01	3.59	3.00	3.04	17.12	125.81	0.00	125.81	7.01	4.10	0.20	3.00	1.00	0.81	3.20	7.01	1.41	17.23	2.00
725	7.25	0.98	34.68	177.78	3.55	1.02	3.41	3.00	3.03	17.07	125.98	0.00	125.98	7.08	3.89	0.20	3.00	1.00	0.80	3.18	7.08	1.41	17.51	2.00
726	7.26	1.00	33.20	179.41	3.32	1.04	3.20	3.00	3.00	17.03	126.15	0.00	126.15	7.23	3.64	0.20	3.00	1.00	0.80	3.16	7.23	1.42	17.88	2.00
727	7.27	1.02	31.85	183.63	3.12	1.06	3.01	3.00	2.98	16.99	126.32	0.00	126.32	7.38	3.42	0.20	3.00	1.00	0.80	3.14	7.38	1.45	18.25	2.00
728	7.28	1.03	32.16	183.06	3.12	1.07	3.01	3.00	2.98	17.01	126.49	0.00	126.49	7.45	3.41	0.19	3.00	1.00	0.80	3.13	7.45	1.45	18.28	2.00
729	7.29	1.07	32.38	182.58	3.03	1.11	2.92	3.00	2.96	17.03	126.66	0.00	126.66	7.75	3.30	0.19	3.00	1.00	0.80	3.11	7.75	1.44	18.57	2.00
730	7.30	1.08	32.38	183.44	3.00	1.12	2.89	3.00	2.95	17.03	126.83	0.00	126.83	7.82	3.27	0.18	3.00	1.00	0.80	3.11	7.82	1.45	18.65	2.00
731	7.31	1.12	31.88	190.05	2.86	1.16	2.75	3.00	2.93	17.03	127.00	0.00	127.00	8.13	3.09	0.18	3.00	1.00	0.80	3.08	8.13	1.50	19.07	2.00
732	7.32	1.14	31.66	193.60	2.78	1.18	2.68	3.00	2.91	17.03	127.17	0.00	127.17	8.28	3.01	0.18	3.00	1.00	0.80	3.07	8.28	1.52	19.27	2.00
733	7.33	1.14	32.07	194.65	2.82	1.18	2.72	3.00	2.92	17.04	127.35	0.00	127.35	8.27	3.04	0.18	3.00	1.00	0.80	3.07	8.27	1.53	19.20	2.00
734	7.34	1.14	32.44	194.27	2.85	1.18	2.75	3.00	2.92	17.05	127.52	0.00	127.52	8.26	3.08	0.18	3.00	1.00	0.79	3.07	8.26	1.52	19.13	2.00
735	7.35	1.14	32.92	194.56	2.89	1.18	2.79	3.00	2.92	17.07	127.69	0.00	127.69	8.25	3.13	0.18	3.00	1.00	0.79	3.08	8.25	1.52	19.05	2.00
736	7.36	1.09	33.74	192.54	3.08	1.13	2.98	3.00	2.96	17.08	127.86	0.00	127.86	7.84	3.37	0.19	3.00	1.00	0.79	3.11	7.84	1.51	18.51	2.00
737	7.37	1.08	33.67	190.82	3.12	1.12	3.01	3.00	2.96	17.08	128.03	0.00	128.03	7.75	3.39	0.19	3.00	1.00	0.79	3.12	7.75	1.49	18.43	2.00
738	7.38	1.08	34.18	191.59	3.17	1.12	3.05	3.00	2.97	17.09	128.20	0.00	128.20	7.74	3.45	0.19	3.00	1.00	0.79	3.12	7.74	1.49	18.35	2.00
739	7.39	1.09	34.37	194.36	3.15	1.13	3.04	3.00	2.96	17.10	128.37	0.00	128.37	7.81	3.43	0.19	3.00	1.00	0.79	3.12	7.81	1.51	18.40	2.00
740	7.40	1.08	35.31	195.71	3.26	1.12	3.15	3.00	2.97	17.13	128.54	0.00	128.54	7.72	3.56	0.20	3.00	1.00	0.79	3.13	7.72	1.52	18.18	2.00
741	7.41	1.08	34.78	199.64	3.22	1.12	3.10	3.00	2.97	17.11	128.71	0.00	128.71	7.72	3.50	0.20	3.00	1.00	0.79	3.13	7.72	1.55	18.26	2.00
742	7.42	1.08	33.77	237.78	3.13	1.13	2.99	3.00	2.96	17.08	128.88	0.00	128.88	7.77	3.37	0.24	3.00	1.00	0.79	3.12	7.77	1.84	18.47	2.00
743	7.43	1.07	32.82	256.37	3.06	1.12	2.92	3.00	2.95	17.05	129.05	0.00	129.05	7.71	3.30	0.26	3.00	1.00	0.79	3.11	7.71	1.99	18.56	2.00
744	7.44	1.09	31.78	252.16	2.90	1.14	2.78	3.00	2.94	17.02	129.22	0.00	129.22	7.84	3.13	0.25	3.00	1.00	0.78	3.09	7.84	1.95	18.86	2.00
745	7.45	1.12	31.81	251.77	2.84	1.17	2.71	3.00	2.92	17.03	129.39	0.00	129.39	8.06	3.05	0.24	3.00	1.00	0.78	3.08	8.06	1.95	19.10	2.00
746	7.46	1.16	33.01	252.92	2.84	1.21	2.72	3.00	2.91	17.08	129.56	0.00	129.56	8.36	3.05	0.23	3.00	1.00	0.78	3.06	8.36	1.95	19.23	2.00
747	7.47	1.26	33.74	252.73	2.69	1.31	2.57	4.00	2.87	17.14	129.74	0.00	129.74	9.12	2.85	0.21	3.00	1.00	0.78	3.02	9.12	1.95	19.92	2.00
748	7.48	1.42	35.25	253.98	2.48	1.47	2.39	4.00	2.81	17.23	129.91	0.00	129.91	10.34	2.62	0.19	3.00	1.00	0.78	2.95	10.34	1.96	20.94	2.00
749	7.49	1.94	36.54	259.06	1.88	1.99	1.83	4.00	2.63	17.39	130.08	0.00	130.08	14.33	1.96	0.14	4.00	0.97	0.79	2.76	14.45	1.99	24.87	4.00
750	7.50	2.31	35.98	258.39	1.56	2.36	1.52	5.00	2.53	17.44	130.26	0.00	130.26	17.15	1.61	0.12	4.00	0.92	0.79	2.65	17.49	1.98	28.00	4.00
751	7.51	3.03	35.66	242.28	1.18	3.08	1.16	5.00	2.37	17.53	130.43	0.00	130.43	22.62	1.21	0.08	5.00	0.86	0.81	2.47	23.46	1.86	34.02	6.00
752	7.52	3.30	36.51	168.20	1.11	3.34	1.09	5.00	2.32	17.59	130.61	0.00	130.61	24.54	1.14	0.05	5.00	0.84	0.81	2.43	25.56	1.29	35.88	6.00
753	7.53	3.51	40.99	-2.30	1.17	3.51	1.17	5.00	2.32	17.74	130.79	0.00	130.79	25.83	1.21	0.00	5.00	0.84	0.81	2.42	26.93	-0.02	35.97	6.00
754	7.54	3.57	41.87	-2.88	1.17	3.57	1.17	5.00	2.32	17.77	130.96	0.00	130.96	26.25	1.22	0.00	5.00	0.84	0.81	2.42	27.39	-0.02	36.18	6.00
755	7.55	3.60	42.22	-3.83	1.17	3.60	1.17	5.00	2.31	17.78	131.14	0.00	131.14	26.45	1.22	0.00	5.00	0.83	0.81	2.41	27.60	-0.03	36.29	6.00
756	7.56	3.58	43.73	-3.45	1.22	3.58	1.22	5.00	2.32	17.82	131.32	0.00	131.32	26.26	1.27	0.00	5.00	0.84	0.80	2.43	27.38	-0.03	35.69	6.00
757	7.57	3.55	48.11	-0.58	1.36	3.55	1.36	5.00	2.35	17.93	131.50	0.00	131.50	26.00	1.41	0.00	5.00	0.85	0.80	2.45	27.03	0.00	34.27	6.00
758	7.58	3.50	49.47	0.10	1.41	3.50	1.41	5.00	2.37	17.96	131.68	0.00	131.68	25.58	1.47	0.00	5.00	0.86	0.80	2.47	26.56	0.00	33.54	6.00
759	7.59	3.44	50.48	0.38	1.47	3.44	1.47	5.00	2.38	17.97	131.86	0.00	131.86	25.09	1.53	0.00	5.00	0.86	0.80	2.49	26.01	0.00	32.83	6.00
760	7.60	3.25	52.34	0.77	1.61	3.25	1.61	5.00	2.43	17.99	132.04	0.00	132.04	23.62	1.68	0.00	4.00	0.88	0.79	2.54	24.37	0.01	30.99	4.00
761	7.61	3.12	53.22	0.86	1.71	3.12	1.71	5.00	2.46	18.00	132.22	0.00	132.22	22.60	1.78	0.00	4.00	0.89	0.79	2.57	23.25	0.01	29.84	4.00
762	7.62	2.97	53.85	0.86	1.81	2.97	1.81	5.00	2.49	17.99	132.40	0.00	132.40	21.43	1.90	0.00	4.00	0.91	0.78	2.60	21.97	0.01	28.63	4.00
763	7.63	2.64	56.53	1.34	2.14	2.64	2.14	4.00	2.57	18.00	132.58	0.00	132.58	18.91	2.25	0.00	4.00	0.94	0.78	2.69	19.21	0.01	25.78	4.00
764	7.64	2.50	59.59	2.49	2.38	2.50	2.38	4.00	2.62	18.04	132.76	0.00	132.76	17.84	2.52	0.00	4.00	0.96	0.77	2.74	18.02	0.02	24.29	5.00
765	7.65	2.29	68.74	4.31	3.01	2.29	3.00	4.00	2.71	18.17	132.94	0.00	132.94	16.23	3.19	0.00	3.00	1.00	0.76	2.84	16.24	0.03	21.56	3.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
766	7.66	2.21	72.71	5.56	3.30	2.21	3.29	4.00	2.75	18.22	133.12	0.00	133.12	15.61	3.50	0.00	3.00	1.00	0.76	2.88	15.61	0.04	20.55	3.00
767	7.67	2.09	76.49	7.09	3.65	2.09	3.66	4.00	2.80	18.26	133.30	0.00	133.30	14.69	3.91	0.00	3.00	1.00	0.76	2.93	14.69	0.05	19.38	3.00
768	7.68	2.05	85.95	9.01	4.20	2.05	4.19	3.00	2.84	18.39	133.49	0.00	133.49	14.37	4.48	0.00	3.00	1.00	0.76	2.97	14.37	0.07	18.14	3.00
769	7.69	2.23	88.79	9.78	3.99	2.23	3.98	3.00	2.80	18.46	133.67	0.00	133.67	15.70	4.23	0.00	3.00	1.00	0.76	2.93	15.70	0.07	18.84	3.00
770	7.70	2.90	88.69	11.50	3.06	2.90	3.06	4.00	2.64	18.56	133.86	0.00	133.86	20.68	3.20	0.00	4.00	0.97	0.76	2.76	20.88	0.09	22.56	5.00
771	7.71	3.25	88.19	11.98	2.72	3.25	2.71	4.00	2.57	18.59	134.04	0.00	134.04	23.26	2.83	0.00	4.00	0.94	0.77	2.68	23.67	0.09	24.59	5.00
772	7.72	3.75	88.06	12.75	2.35	3.75	2.35	4.00	2.48	18.65	134.23	0.00	134.23	26.96	2.43	0.00	4.00	0.90	0.78	2.59	27.71	0.09	27.44	5.00
773	7.73	3.76	84.22	12.36	2.24	3.76	2.24	5.00	2.46	18.60	134.42	0.00	134.42	26.99	2.32	0.00	4.00	0.90	0.78	2.57	27.79	0.09	28.10	5.00
774	7.74	3.54	74.50	12.17	2.10	3.54	2.10	5.00	2.47	18.43	134.60	0.00	134.60	25.32	2.19	0.00	4.00	0.90	0.77	2.58	26.05	0.09	28.40	5.00
775	7.75	3.40	70.15	11.98	2.06	3.40	2.06	5.00	2.48	18.35	134.78	0.00	134.78	24.24	2.15	0.00	4.00	0.90	0.77	2.59	24.92	0.09	28.28	5.00
776	7.76	3.04	62.46	11.41	2.06	3.04	2.05	4.00	2.51	18.17	134.97	0.00	134.97	21.54	2.15	0.00	4.00	0.92	0.77	2.63	22.04	0.08	27.30	5.00
777	7.77	2.84	59.56	11.21	2.10	2.84	2.10	4.00	2.54	18.09	135.15	0.00	135.15	20.03	2.20	0.00	4.00	0.93	0.76	2.67	20.43	0.08	26.47	5.00
778	7.78	2.62	58.24	10.83	2.22	2.62	2.22	4.00	2.59	18.03	135.33	0.00	135.33	18.38	2.34	0.00	4.00	0.95	0.76	2.71	18.64	0.08	25.20	4.00
779	7.79	2.25	57.76	10.35	2.57	2.25	2.56	4.00	2.68	17.97	135.51	0.00	135.51	15.62	2.73	0.00	4.00	0.99	0.75	2.81	15.67	0.08	22.77	4.00
780	7.80	2.08	58.55	10.06	2.81	2.08	2.81	4.00	2.73	17.95	135.69	0.00	135.69	14.34	3.01	0.01	3.00	1.00	0.75	2.87	14.34	0.07	21.52	2.00
781	7.81	1.95	60.73	9.87	3.11	1.95	3.11	4.00	2.78	17.97	135.87	0.00	135.87	13.37	3.34	0.01	3.00	1.00	0.75	2.92	13.37	0.07	20.37	2.00
782	7.82	1.77	63.85	9.97	3.60	1.77	3.60	3.00	2.85	17.99	136.05	0.00	136.05	12.03	3.90	0.01	3.00	1.00	0.74	3.00	12.03	0.07	18.84	2.00
783	7.83	1.71	65.14	10.35	3.80	1.71	3.80	3.00	2.88	18.00	136.23	0.00	136.23	11.57	4.13	0.01	3.00	1.00	0.74	3.03	11.57	0.08	18.31	2.00
784	7.84	1.58	68.89	12.65	4.36	1.58	4.35	3.00	2.94	18.03	136.41	0.00	136.41	10.60	4.76	0.01	3.00	1.00	0.74	3.09	10.60	0.09	17.10	2.00
785	7.85	1.47	69.24	15.24	4.70	1.47	4.70	3.00	2.98	18.01	136.59	0.00	136.59	9.79	5.18	0.01	3.00	1.00	0.74	3.14	9.79	0.11	16.39	2.00
786	7.86	1.33	67.00	29.71	5.04	1.34	5.01	3.00	3.03	17.94	136.77	0.00	136.77	8.77	5.59	0.02	3.00	1.00	0.74	3.20	8.77	0.22	15.77	2.00
787	7.87	1.25	68.14	33.16	5.45	1.26	5.42	3.00	3.08	17.93	136.95	0.00	136.95	8.18	6.08	0.03	3.00	1.00	0.74	3.25	8.18	0.24	15.18	2.00
788	7.88	1.19	66.69	34.31	5.60	1.20	5.57	3.00	3.10	17.89	137.12	0.00	137.12	7.73	6.29	0.03	3.00	1.00	0.74	3.28	7.73	0.25	14.95	2.00
789	7.89	1.19	66.69	34.31	5.60	1.20	5.57	3.00	3.10	17.89	137.30	0.00	137.30	7.72	6.29	0.03	3.00	1.00	0.74	3.28	7.72	0.25	14.94	2.00
790	7.90	1.19	66.69	34.31	5.60	1.20	5.57	3.00	3.10	17.89	137.48	0.00	137.48	7.71	6.29	0.03	3.00	1.00	0.74	3.28	7.71	0.25	14.94	2.00
791	7.91	0.99	72.23	16.10	7.27	0.99	7.27	3.00	3.24	17.91	137.66	0.00	137.66	6.22	8.44	0.02	3.00	1.00	0.74	3.43	6.22	0.12	13.24	2.00
792	7.92	0.87	72.99	16.39	8.44	0.87	8.36	3.00	3.32	17.87	137.84	0.00	137.84	5.34	9.92	0.02	2.00	1.00	0.74	3.53	5.34	0.12	12.47	2.00
793	7.93	0.82	73.53	16.96	8.94	0.82	8.93	3.00	3.36	17.86	138.02	0.00	138.02	4.97	10.73	0.02	2.00	1.00	0.73	3.57	4.97	0.12	12.14	1.00
794	7.94	0.75	74.50	18.21	9.96	0.75	9.88	2.00	3.41	17.84	138.20	0.00	138.20	4.45	12.10	0.03	2.00	1.00	0.73	3.64	4.45	0.13	11.67	1.00
795	7.95	0.72	74.41	19.26	10.32	0.72	10.28	2.00	3.44	17.82	138.38	0.00	138.38	4.23	12.71	0.03	2.00	1.00	0.73	3.67	4.23	0.14	11.50	1.00
796	7.96	0.68	73.43	22.24	10.74	0.68	10.72	2.00	3.47	17.78	138.55	0.00	138.55	3.94	13.45	0.04	2.00	1.00	0.73	3.71	3.94	0.16	11.33	1.00
797	7.97	0.67	72.74	23.96	10.81	0.68	10.78	2.00	3.48	17.77	138.73	0.00	138.73	3.87	13.56	0.04	2.00	1.00	0.73	3.72	3.87	0.17	11.33	1.00
798	7.98	0.66	70.94	25.30	10.71	0.67	10.66	2.00	3.48	17.73	138.91	0.00	138.91	3.79	13.48	0.05	2.00	1.00	0.73	3.73	3.79	0.18	11.39	1.00
799	7.99	0.64	63.75	30.29	9.95	0.65	9.86	2.00	3.46	17.60	139.08	0.00	139.08	3.65	12.57	0.06	2.00	1.00	0.73	3.72	3.65	0.22	11.78	1.00
800	8.00	0.63	59.02	34.31	9.37	0.64	9.26	2.00	3.45	17.51	139.26	0.00	139.26	3.58	11.85	0.07	2.00	1.00	0.73	3.71	3.58	0.25	12.08	1.00
801	8.01	0.62	50.13	47.15	8.02	0.63	7.96	3.00	3.41	17.31	139.43	0.00	139.43	3.52	10.22	0.10	2.00	1.00	0.73	3.68	3.52	0.34	12.76	1.00
802	8.02	0.62	46.82	53.67	7.49	0.63	7.42	3.00	3.40	17.24	139.60	0.00	139.60	3.52	9.52	0.11	2.00	1.00	0.73	3.66	3.52	0.38	13.06	2.00
803	8.03	0.63	39.66	63.45	6.29	0.64	6.16	3.00	3.34	17.05	139.78	0.00	139.78	3.60	7.88	0.13	2.00	1.00	0.72	3.60	3.60	0.45	13.83	2.00
804	8.04	0.63	36.16	66.90	5.74	0.64	5.61	3.00	3.32	16.95	139.94	0.00	139.94	3.60	7.17	0.13	2.00	1.00	0.72	3.58	3.60	0.48	14.19	2.00
805	8.05	0.63	32.16	69.77	5.10	0.64	4.99	3.00	3.28	16.81	140.11	0.00	140.11	3.60	6.37	0.14	3.00	1.00	0.72	3.55	3.60	0.50	14.63	2.00
806	8.06	0.64	31.53	70.73	4.96	0.65	4.81	3.00	3.27	16.80	140.28	0.00	140.28	3.67	6.13	0.14	3.00	1.00	0.72	3.53	3.67	0.50	14.78	2.00
807	8.07	0.64	30.87	71.78	4.86	0.66	4.71	3.00	3.26	16.77	140.45	0.00	140.45	3.66	6.00	0.14	3.00	1.00	0.72	3.53	3.66	0.51	14.86	2.00
808	8.08	0.63	30.14	73.99	4.78	0.65	4.67	3.00	3.27	16.74	140.62	0.00	140.62	3.59	5.97	0.15	3.00	1.00	0.72	3.53	3.59	0.53	14.86	2.00
809	8.09	0.63	30.11	75.23	4.78	0.65	4.66	3.00	3.27	16.74	140.78	0.00	140.78	3.59	5.96	0.15	3.00	1.00	0.72	3.53	3.59	0.53	14.87	2.00
810	8.10	0.62	29.95	79.07	4.79	0.64	4.70	3.00	3.27	16.73	140.95	0.00	140.95	3.52	6.04	0.16	3.00	1.00	0.72	3.54	3.52	0.56	14.81	2.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
811	8.11	0.61	29.51	86.74	4.81	0.63	4.70	3.00	3.28	16.70	141.12	0.00	141.12	3.45	6.06	0.18	3.00	1.00	0.72	3.55	3.45	0.61	14.80	2.00
812	8.12	0.61	29.17	89.80	4.75	0.63	4.64	3.00	3.27	16.69	141.28	0.00	141.28	3.45	5.98	0.18	3.00	1.00	0.72	3.55	3.45	0.64	14.84	2.00
813	8.13	0.62	28.94	92.77	4.63	0.64	4.53	3.00	3.26	16.69	141.45	0.00	141.45	3.52	5.81	0.19	3.00	1.00	0.72	3.53	3.52	0.66	14.95	2.00
814	8.14	0.65	28.53	99.29	4.42	0.67	4.25	3.00	3.23	16.69	141.62	0.00	141.62	3.74	5.39	0.19	3.00	1.00	0.72	3.49	3.74	0.70	15.24	2.00
815	8.15	0.66	28.38	102.65	4.32	0.68	4.16	3.00	3.22	16.69	141.79	0.00	141.79	3.81	5.26	0.19	3.00	1.00	0.71	3.48	3.81	0.72	15.34	2.00
816	8.16	0.67	27.75	107.63	4.12	0.69	4.01	3.00	3.20	16.67	141.95	0.00	141.95	3.88	5.04	0.20	3.00	1.00	0.71	3.46	3.88	0.76	15.50	2.00
817	8.17	0.68	26.89	108.87	3.97	0.70	3.83	3.00	3.19	16.64	142.12	0.00	142.12	3.95	4.80	0.19	3.00	1.00	0.71	3.45	3.95	0.77	15.68	2.00
818	8.18	0.67	25.16	110.12	3.74	0.69	3.63	3.00	3.18	16.56	142.28	0.00	142.28	3.87	4.57	0.20	3.00	1.00	0.71	3.44	3.87	0.77	15.82	2.00
819	8.19	0.66	24.50	111.08	3.73	0.68	3.59	3.00	3.18	16.52	142.45	0.00	142.45	3.80	4.53	0.21	3.00	1.00	0.71	3.45	3.80	0.78	15.82	2.00
820	8.20	0.67	23.21	114.72	3.48	0.69	3.34	3.00	3.16	16.47	142.61	0.00	142.61	3.87	4.21	0.21	3.00	1.00	0.71	3.42	3.87	0.80	16.07	2.00
821	8.21	0.67	20.87	115.97	3.10	0.69	3.01	3.00	3.13	16.34	142.78	0.00	142.78	3.86	3.78	0.21	3.00	1.00	0.71	3.40	3.86	0.81	16.38	2.00
822	8.22	0.70	18.51	118.94	2.63	0.72	2.55	3.00	3.08	16.22	142.94	0.00	142.94	4.07	3.18	0.20	3.00	1.00	0.71	3.34	4.07	0.83	16.96	2.00
823	8.23	0.72	18.10	120.09	2.51	0.75	2.43	3.00	3.06	16.21	143.10	0.00	143.10	4.21	3.01	0.20	3.00	1.00	0.71	3.31	4.21	0.84	17.19	2.00
824	8.24	0.74	17.78	121.05	2.41	0.77	2.32	3.00	3.04	16.20	143.26	0.00	143.26	4.34	2.86	0.19	3.00	1.00	0.71	3.29	4.34	0.84	17.40	2.00
825	8.25	0.73	16.81	120.85	2.30	0.76	2.23	3.00	3.03	16.13	143.42	0.00	143.42	4.27	2.75	0.20	3.00	1.00	0.71	3.29	4.27	0.84	17.46	2.00
826	8.26	0.69	16.62	121.24	2.39	0.72	2.32	3.00	3.06	16.09	143.59	0.00	143.59	3.98	2.91	0.21	3.00	1.00	0.71	3.33	3.98	0.84	17.14	2.00
827	8.27	0.66	17.28	126.89	2.63	0.69	2.52	3.00	3.10	16.12	143.75	0.00	143.75	3.78	3.18	0.23	3.00	1.00	0.70	3.37	3.78	0.88	16.80	2.00
828	8.28	0.66	17.59	130.63	2.68	0.69	2.56	3.00	3.10	16.14	143.91	0.00	143.91	3.78	3.24	0.24	3.00	1.00	0.70	3.37	3.78	0.91	16.76	2.00
829	8.29	0.65	17.12	134.56	2.63	0.68	2.52	3.00	3.10	16.11	144.07	0.00	144.07	3.71	3.20	0.25	3.00	1.00	0.70	3.38	3.71	0.93	16.74	2.00
830	8.30	0.66	16.62	139.54	2.53	0.69	2.41	3.00	3.09	16.08	144.23	0.00	144.23	3.78	3.05	0.26	3.00	1.00	0.70	3.36	3.78	0.97	16.90	2.00
831	8.31	0.66	16.43	141.17	2.50	0.69	2.38	3.00	3.08	16.07	144.39	0.00	144.39	3.78	3.01	0.26	3.00	1.00	0.70	3.35	3.78	0.98	16.93	2.00
832	8.32	0.66	16.40	142.71	2.50	0.69	2.38	3.00	3.08	16.06	144.55	0.00	144.55	3.77	3.01	0.26	3.00	1.00	0.70	3.35	3.77	0.99	16.93	2.00
833	8.33	0.66	16.30	145.39	2.46	0.69	2.36	3.00	3.08	16.06	144.71	0.00	144.71	3.77	2.99	0.27	3.00	1.00	0.70	3.35	3.77	1.00	16.95	2.00
834	8.34	0.66	16.40	147.02	2.48	0.69	2.37	3.00	3.08	16.06	144.87	0.00	144.87	3.77	3.00	0.27	3.00	1.00	0.70	3.35	3.77	1.01	16.93	2.00
835	8.35	0.70	16.05	151.14	2.29	0.73	2.19	3.00	3.04	16.06	145.03	0.00	145.03	4.05	2.74	0.26	3.00	1.00	0.70	3.31	4.05	1.04	17.33	2.00
836	8.36	0.73	15.95	153.82	2.18	0.76	2.09	3.00	3.02	16.07	145.19	0.00	145.19	4.25	2.58	0.25	3.00	1.00	0.70	3.28	4.25	1.06	17.60	2.00
837	8.37	0.81	16.21	165.61	2.00	0.84	1.92	3.00	2.96	16.13	145.35	0.00	145.35	4.81	2.32	0.24	3.00	1.00	0.70	3.21	4.81	1.14	18.25	2.00
838	8.38	0.83	16.21	176.92	1.96	0.87	1.87	3.00	2.94	16.14	145.52	0.00	145.52	4.96	2.25	0.25	3.00	1.00	0.70	3.19	4.96	1.22	18.44	2.00
839	8.39	0.84	16.11	182.48	1.92	0.88	1.83	3.00	2.93	16.14	145.68	0.00	145.68	5.03	2.20	0.25	3.00	1.00	0.70	3.18	5.03	1.25	18.54	2.00
840	8.40	0.83	15.51	184.11	1.86	0.87	1.79	3.00	2.93	16.09	145.84	0.00	145.84	4.96	2.15	0.25	3.00	1.00	0.69	3.18	4.96	1.26	18.55	2.00
841	8.41	0.84	15.26	183.73	1.82	0.88	1.74	4.00	2.92	16.07	146.00	0.00	146.00	5.02	2.08	0.25	3.00	1.00	0.69	3.17	5.02	1.26	18.67	2.00
842	8.42	0.84	14.79	182.58	1.76	0.88	1.68	4.00	2.92	16.04	146.16	0.00	146.16	5.01	2.02	0.25	3.00	1.00	0.69	3.16	5.01	1.25	18.73	2.00
843	8.43	0.83	16.46	180.95	1.99	0.87	1.90	3.00	2.95	16.16	146.32	0.00	146.32	4.93	2.28	0.25	3.00	1.00	0.69	3.19	4.93	1.24	18.38	2.00
844	8.44	0.83	16.96	180.76	2.05	0.87	1.95	3.00	2.95	16.19	146.48	0.00	146.48	4.93	2.35	0.25	3.00	1.00	0.69	3.20	4.93	1.23	18.30	2.00
845	8.45	0.83	17.37	181.04	2.10	0.87	2.00	3.00	2.96	16.22	146.65	0.00	146.65	4.92	2.41	0.25	3.00	1.00	0.69	3.21	4.92	1.23	18.23	2.00
846	8.46	0.82	17.59	181.43	2.14	0.86	2.05	3.00	2.97	16.23	146.81	0.00	146.81	4.85	2.47	0.26	3.00	1.00	0.69	3.22	4.85	1.24	18.11	2.00
847	8.47	0.80	18.82	182.29	2.35	0.84	2.25	3.00	3.00	16.30	146.97	0.00	146.97	4.70	2.72	0.26	3.00	1.00	0.69	3.25	4.70	1.24	17.76	2.00
848	8.48	0.79	18.98	182.58	2.40	0.83	2.29	3.00	3.01	16.30	147.13	0.00	147.13	4.63	2.79	0.27	3.00	1.00	0.69	3.26	4.63	1.24	17.65	2.00
849	8.49	0.79	18.92	182.77	2.39	0.83	2.28	3.00	3.01	16.30	147.30	0.00	147.30	4.62	2.78	0.27	3.00	1.00	0.69	3.26	4.62	1.24	17.65	2.00
850	8.50	0.80	19.14	182.67	2.41	0.84	2.28	3.00	3.00	16.32	147.46	0.00	147.46	4.69	2.77	0.26	3.00	1.00	0.69	3.26	4.69	1.24	17.70	2.00
851	8.51	0.79	19.49	182.67	2.47	0.83	2.35	3.00	3.01	16.33	147.62	0.00	147.62	4.61	2.86	0.27	3.00	1.00	0.69	3.27	4.61	1.24	17.56	2.00
852	8.52	0.79	20.65	182.58	2.63	0.83	2.49	3.00	3.03	16.40	147.79	0.00	147.79	4.60	3.03	0.27	3.00	1.00	0.69	3.28	4.60	1.24	17.39	2.00
853	8.53	0.79	21.22	182.38	2.70	0.83	2.56	3.00	3.03	16.43	147.95	0.00	147.95	4.60	3.12	0.27	3.00	1.00	0.68	3.29	4.60	1.23	17.31	2.00
854	8.54	0.81	21.25	183.63	2.62	0.85	2.50	3.00	3.02	16.44	148.12	0.00	148.12	4.73	3.03	0.26	3.00	1.00	0.68	3.27	4.73	1.24	17.46	2.00
855	8.55	0.84	20.97	184.40	2.50	0.88	2.39	3.00	2.99	16.44	148.28	0.00	148.28	4.93	2.87	0.25	3.00	1.00	0.68	3.25	4.93	1.24	17.74	2.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
856	8.56	0.87	20.46	184.40	2.35	0.91	2.25	3.00	2.97	16.42	148.44	0.00	148.44	5.12	2.69	0.24	3.00	1.00	0.68	3.22	5.12	1.24	18.05	2.00
857	8.57	0.91	19.96	185.93	2.19	0.95	2.10	3.00	2.94	16.41	148.61	0.00	148.61	5.39	2.49	0.23	3.00	1.00	0.68	3.18	5.39	1.25	18.44	2.00
858	8.58	0.91	19.71	185.07	2.16	0.95	2.08	3.00	2.93	16.40	148.77	0.00	148.77	5.38	2.46	0.23	3.00	1.00	0.68	3.18	5.38	1.24	18.47	2.00
859	8.59	0.88	19.83	181.91	2.26	0.92	2.16	3.00	2.95	16.39	148.94	0.00	148.94	5.17	2.58	0.24	3.00	1.00	0.68	3.20	5.17	1.22	18.20	2.00
860	8.60	0.88	19.64	179.51	2.24	0.92	2.14	3.00	2.95	16.38	149.10	0.00	149.10	5.15	2.56	0.23	3.00	1.00	0.68	3.20	5.15	1.20	18.22	2.00
861	8.61	0.94	20.40	176.63	2.17	0.98	2.09	3.00	2.92	16.45	149.26	0.00	149.26	5.55	2.46	0.21	3.00	1.00	0.68	3.17	5.55	1.18	18.58	2.00
862	8.62	1.03	22.73	181.04	2.21	1.07	2.13	4.00	2.90	16.61	149.43	0.00	149.43	6.15	2.47	0.20	3.00	1.00	0.68	3.13	6.15	1.21	18.95	2.00
863	8.63	1.25	23.87	187.66	1.91	1.29	1.85	4.00	2.79	16.73	149.60	0.00	149.60	7.62	2.09	0.16	3.00	1.00	0.68	3.01	7.62	1.25	20.50	2.00
864	8.64	1.96	24.06	204.91	1.23	2.00	1.20	5.00	2.53	16.91	149.77	0.00	149.77	12.37	1.30	0.11	4.00	0.96	0.69	2.72	12.57	1.37	26.15	4.00
865	8.65	2.45	24.59	210.47	1.01	2.49	0.99	5.00	2.41	17.02	149.94	0.00	149.94	15.63	1.05	0.09	4.00	0.91	0.70	2.58	16.22	1.40	30.13	4.00
866	8.66	2.95	25.57	211.52	0.87	2.99	0.85	5.00	2.31	17.14	150.11	0.00	150.11	18.95	0.90	0.07	5.00	0.86	0.71	2.47	19.99	1.41	34.09	6.00
867	8.67	3.61	27.75	6.71	0.77	3.61	0.77	5.00	2.21	17.30	150.28	0.00	150.28	23.03	0.80	0.00	5.00	0.82	0.72	2.36	24.68	0.04	38.62	6.00
868	8.68	3.73	27.90	-1.25	0.75	3.73	0.75	5.00	2.20	17.32	150.45	0.00	150.45	23.79	0.78	0.00	5.00	0.82	0.72	2.34	25.57	-0.01	39.55	6.00
869	8.69	3.83	29.57	-3.07	0.77	3.83	0.77	5.00	2.19	17.40	150.63	0.00	150.63	24.42	0.80	0.00	5.00	0.82	0.72	2.34	26.28	-0.02	39.81	6.00
870	8.70	3.84	29.20	0.10	0.76	3.84	0.76	5.00	2.19	17.39	150.80	0.00	150.80	24.46	0.79	0.00	5.00	0.81	0.72	2.33	26.34	0.00	40.00	6.00
871	8.71	3.80	29.95	1.82	0.79	3.80	0.79	5.00	2.20	17.41	150.98	0.00	150.98	24.17	0.82	0.00	5.00	0.82	0.72	2.35	25.98	0.01	39.40	6.00
872	8.72	3.63	31.62	3.83	0.87	3.63	0.87	5.00	2.24	17.46	151.15	0.00	151.15	23.02	0.91	0.00	5.00	0.84	0.72	2.39	24.58	0.03	37.45	6.00
873	8.73	3.50	32.41	4.31	0.93	3.50	0.93	5.00	2.27	17.47	151.33	0.00	151.33	22.13	0.97	0.00	5.00	0.85	0.71	2.42	23.53	0.03	36.15	6.00
874	8.74	3.24	35.66	4.70	1.10	3.24	1.10	5.00	2.34	17.55	151.50	0.00	151.50	20.39	1.15	0.00	5.00	0.88	0.70	2.49	21.44	0.03	33.18	6.00
875	8.75	3.10	36.29	4.79	1.17	3.10	1.17	5.00	2.37	17.55	151.68	0.00	151.68	19.44	1.23	0.00	5.00	0.89	0.70	2.53	20.34	0.03	31.93	4.00
876	8.76	2.73	39.22	4.79	1.44	2.73	1.44	5.00	2.46	17.59	151.85	0.00	151.85	16.98	1.52	0.00	4.00	0.93	0.69	2.63	17.49	0.03	28.46	4.00
877	8.77	2.52	41.40	4.89	1.65	2.52	1.64	4.00	2.52	17.63	152.03	0.00	152.03	15.58	1.75	0.00	4.00	0.95	0.68	2.70	15.88	0.03	26.47	4.00
878	8.78	2.06	48.27	5.94	2.35	2.06	2.34	4.00	2.68	17.72	152.21	0.00	152.21	12.54	2.53	0.00	4.00	1.00	0.67	2.87	12.54	0.04	22.16	4.00
879	8.79	1.86	53.41	7.09	2.87	1.86	2.87	4.00	2.77	17.80	152.38	0.00	152.38	11.22	3.13	0.00	3.00	1.00	0.66	2.97	11.22	0.05	20.20	2.00
880	8.80	1.72	59.31	7.86	3.45	1.72	3.44	3.00	2.85	17.89	152.56	0.00	152.56	10.28	3.78	0.01	3.00	1.00	0.66	3.04	10.28	0.05	18.63	2.00
881	8.81	1.62	71.67	8.91	4.41	1.62	4.42	3.00	2.93	18.09	152.74	0.00	152.74	9.62	4.88	0.01	3.00	1.00	0.66	3.13	9.62	0.06	16.78	2.00
882	8.82	1.76	78.32	9.97	4.46	1.76	4.44	3.00	2.91	18.22	152.93	0.00	152.93	10.52	4.87	0.01	3.00	1.00	0.66	3.10	10.52	0.07	16.93	2.00
883	8.83	2.01	81.73	11.79	4.07	2.01	4.06	3.00	2.84	18.32	153.11	0.00	153.11	12.14	4.40	0.01	3.00	1.00	0.66	3.03	12.14	0.08	17.95	2.00
884	8.84	3.09	75.73	15.24	2.45	3.09	2.45	4.00	2.56	18.40	153.29	0.00	153.29	19.18	2.58	0.01	4.00	0.96	0.67	2.72	19.47	0.10	24.53	5.00
885	8.85	3.73	72.39	16.01	1.94	3.73	1.94	5.00	2.43	18.42	153.48	0.00	153.48	23.33	2.02	0.00	4.00	0.91	0.69	2.58	24.21	0.10	28.76	5.00
886	8.86	4.99	67.54	-23.10	1.35	4.99	1.35	5.00	2.23	18.45	153.66	0.00	153.66	31.44	1.40	0.00	5.00	0.83	0.71	2.37	33.74	-0.15	37.33	7.00
887	8.87	5.63	67.60	-37.47	1.20	5.62	1.20	5.00	2.16	18.50	153.85	0.00	153.85	35.54	1.24	-0.01	5.00	0.80	0.72	2.30	38.63	-0.24	41.30	7.00
888	8.88	6.31	66.43	-42.46	1.05	6.30	1.05	5.00	2.09	18.52	154.03	0.00	154.03	39.91	1.08	-0.01	5.00	0.77	0.72	2.22	43.94	-0.28	45.91	7.00
889	8.89	6.31	66.43	-42.46	1.05	6.30	1.05	5.00	2.09	18.52	154.22	0.00	154.22	39.86	1.08	-0.01	5.00	0.77	0.72	2.22	43.89	-0.28	45.89	7.00
890	8.90	6.31	66.43	-42.46	1.05	6.30	1.05	5.00	2.09	18.52	154.40	0.00	154.40	39.81	1.08	-0.01	5.00	0.77	0.72	2.22	43.84	-0.27	45.87	7.00
891	8.91	8.57	51.33	-24.54	0.60	8.56	0.60	6.00	1.84	18.34	154.59	0.00	154.59	54.40	0.61	0.00	6.00	0.67	0.75	1.95	62.53	-0.16	67.06	7.00
892	8.92	8.62	52.18	-25.40	0.61	8.61	0.61	6.00	1.84	18.36	154.77	0.00	154.77	54.66	0.62	0.00	6.00	0.67	0.75	1.95	62.85	-0.16	66.98	7.00
893	8.93	8.55	52.81	-25.11	0.62	8.54	0.62	6.00	1.85	18.37	154.95	0.00	154.95	54.14	0.63	0.00	6.00	0.67	0.75	1.96	62.19	-0.16	66.14	7.00
894	8.94	8.27	54.61	-24.82	0.66	8.26	0.66	6.00	1.87	18.40	155.14	0.00	155.14	52.27	0.67	0.00	6.00	0.69	0.75	1.99	59.77	-0.16	63.28	7.00
895	8.95	8.09	55.11	-24.73	0.68	8.08	0.68	6.00	1.89	18.40	155.32	0.00	155.32	51.05	0.69	0.00	6.00	0.69	0.74	2.01	58.23	-0.16	61.76	7.00
896	8.96	7.74	54.23	-24.54	0.70	7.73	0.70	6.00	1.91	18.37	155.51	0.00	155.51	48.74	0.72	0.00	6.00	0.70	0.74	2.03	55.38	-0.16	59.64	7.00
897	8.97	7.57	54.58	-24.34	0.72	7.56	0.72	6.00	1.93	18.36	155.69	0.00	155.69	47.59	0.74	0.00	6.00	0.71	0.74	2.05	53.95	-0.16	58.27	7.00
898	8.98	7.37	54.89	-24.15	0.74	7.36	0.75	6.00	1.94	18.36	155.87	0.00	155.87	46.25	0.76	0.00	6.00	0.72	0.73	2.07	52.28	-0.15	56.72	7.00
899	8.99	6.98	57.48	-23.86	0.82	6.97	0.82	6.00	1.99	18.39	156.06	0.00	156.06	43.70	0.84	0.00	5.00	0.73	0.73	2.12	49.03	-0.15	53.02	7.00
900	9.00	6.78	57.73	-23.77	0.85	6.78	0.85	6.00	2.01	18.39	156.24	0.00	156.24	42.36	0.87	0.00	5.00	0.74	0.73	2.14	47.38	-0.15	51.54	7.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
901	9.01	6.59	58.74	-23.67	0.89	6.59	0.89	6.00	2.03	18.40	156.42	0.00	156.42	41.10	0.91	0.00	5.00	0.75	0.72	2.16	45.80	-0.15	49.89	7.00
902	9.02	6.28	58.99	-23.48	0.94	6.28	0.94	5.00	2.06	18.38	156.61	0.00	156.61	39.07	0.96	0.00	5.00	0.76	0.72	2.19	43.31	-0.15	47.70	7.00
903	9.03	6.16	58.39	-23.39	0.95	6.16	0.95	5.00	2.07	18.36	156.79	0.00	156.79	38.26	0.97	0.00	5.00	0.77	0.72	2.20	42.35	-0.15	47.07	7.00
904	9.04	5.98	57.35	-23.19	0.96	5.98	0.96	5.00	2.08	18.33	156.98	0.00	156.98	37.06	0.99	0.00	5.00	0.77	0.71	2.22	40.94	-0.15	46.16	7.00
905	9.05	5.93	56.31	-23.10	0.95	5.93	0.95	5.00	2.08	18.31	157.16	0.00	157.16	36.70	0.98	0.00	5.00	0.77	0.71	2.22	40.54	-0.15	46.12	7.00
906	9.06	6.06	54.11	-22.71	0.89	6.06	0.89	6.00	2.06	18.27	157.34	0.00	157.34	37.48	0.92	0.00	5.00	0.76	0.71	2.20	41.58	-0.14	47.69	7.00
907	9.07	6.26	52.69	-22.52	0.84	6.26	0.84	6.00	2.03	18.25	157.52	0.00	157.52	38.71	0.86	0.00	5.00	0.75	0.72	2.17	43.14	-0.14	49.54	7.00
908	9.08	6.47	52.15	-22.24	0.81	6.47	0.81	6.00	2.01	18.25	157.71	0.00	157.71	40.00	0.83	0.00	5.00	0.75	0.72	2.15	44.77	-0.14	51.18	7.00
909	9.09	6.89	53.22	-21.85	0.77	6.89	0.77	6.00	1.98	18.30	157.89	0.00	157.89	42.61	0.79	0.00	5.00	0.73	0.72	2.11	47.99	-0.14	53.71	7.00
910	9.10	7.05	54.36	-21.56	0.77	7.05	0.77	6.00	1.97	18.33	158.07	0.00	158.07	43.57	0.79	0.00	5.00	0.73	0.72	2.10	49.17	-0.14	54.38	7.00
911	9.11	7.18	55.02	-21.37	0.77	7.18	0.77	6.00	1.96	18.35	158.26	0.00	158.26	44.34	0.78	0.00	5.00	0.73	0.72	2.09	50.12	-0.14	55.01	7.00
912	9.12	7.20	54.39	-21.18	0.76	7.20	0.76	6.00	1.96	18.34	158.44	0.00	158.44	44.42	0.77	0.00	5.00	0.72	0.72	2.09	50.26	-0.13	55.36	7.00
913	9.13	7.22	51.93	-21.08	0.72	7.22	0.72	6.00	1.94	18.29	158.62	0.00	158.62	44.49	0.74	0.00	5.00	0.72	0.72	2.07	50.47	-0.13	56.44	7.00
914	9.14	7.23	50.70	-20.89	0.70	7.23	0.70	6.00	1.94	18.26	158.80	0.00	158.80	44.50	0.72	0.00	6.00	0.72	0.72	2.07	50.55	-0.13	56.98	7.00
915	9.15	7.18	48.24	-20.70	0.67	7.18	0.67	6.00	1.93	18.20	158.99	0.00	158.99	44.13	0.69	0.00	6.00	0.71	0.73	2.06	50.21	-0.13	57.60	7.00
916	9.16	7.15	47.01	-20.61	0.66	7.15	0.66	6.00	1.93	18.17	159.17	0.00	159.17	43.89	0.67	0.00	6.00	0.71	0.72	2.06	49.97	-0.13	57.88	7.00
917	9.17	7.00	44.71	-20.51	0.64	7.00	0.64	6.00	1.93	18.11	159.35	0.00	159.35	42.90	0.65	0.00	6.00	0.71	0.72	2.06	48.84	-0.13	57.72	7.00
918	9.18	6.93	43.67	-20.41	0.63	6.93	0.63	6.00	1.93	18.07	159.53	0.00	159.53	42.41	0.65	0.00	6.00	0.71	0.72	2.06	48.28	-0.13	57.61	7.00
919	9.19	6.87	42.66	-20.32	0.62	6.87	0.62	6.00	1.93	18.04	159.71	0.00	159.71	41.99	0.64	0.00	6.00	0.71	0.72	2.06	47.81	-0.13	57.57	6.00
920	9.20	6.80	42.06	-20.22	0.62	6.80	0.62	6.00	1.93	18.02	159.89	0.00	159.89	41.50	0.63	0.00	6.00	0.72	0.72	2.07	47.24	-0.13	57.27	6.00
921	9.21	6.68	39.85	-20.13	0.60	6.68	0.60	6.00	1.93	17.95	160.07	0.00	160.07	40.71	0.61	0.00	6.00	0.72	0.72	2.07	46.35	-0.13	57.30	6.00
922	9.22	6.62	37.36	-20.03	0.56	6.62	0.56	6.00	1.92	17.88	160.25	0.00	160.25	40.28	0.58	0.00	6.00	0.71	0.72	2.06	45.95	-0.12	57.92	6.00
923	9.23	6.54	34.53	-19.74	0.53	6.54	0.53	6.00	1.91	17.78	160.43	0.00	160.43	39.74	0.54	0.00	6.00	0.71	0.72	2.05	45.41	-0.12	58.58	6.00
924	9.24	6.51	32.92	-19.65	0.51	6.51	0.51	6.00	1.90	17.73	160.60	0.00	160.60	39.51	0.52	0.00	6.00	0.71	0.72	2.04	45.21	-0.12	59.08	6.00
925	9.25	6.47	30.96	-19.55	0.48	6.47	0.48	6.00	1.89	17.65	160.78	0.00	160.78	39.22	0.49	0.00	6.00	0.70	0.72	2.03	44.96	-0.12	59.69	6.00
926	9.26	6.45	28.63	-19.36	0.44	6.45	0.44	6.00	1.88	17.56	160.96	0.00	160.96	39.05	0.46	0.00	6.00	0.70	0.72	2.02	44.89	-0.12	60.69	6.00
927	9.27	6.42	27.62	-19.26	0.43	6.42	0.43	6.00	1.87	17.52	161.13	0.00	161.13	38.82	0.44	0.00	6.00	0.70	0.72	2.02	44.67	-0.12	60.93	6.00
928	9.28	6.32	26.11	-19.17	0.41	6.32	0.41	6.00	1.87	17.45	161.31	0.00	161.31	38.16	0.42	0.00	6.00	0.70	0.72	2.01	43.92	-0.12	60.84	6.00
929	9.29	6.20	24.94	-18.98	0.40	6.20	0.40	6.00	1.87	17.39	161.48	0.00	161.48	37.37	0.41	0.00	6.00	0.70	0.72	2.02	43.01	-0.12	60.39	6.00
930	9.30	6.15	24.72	-18.88	0.40	6.15	0.40	6.00	1.88	17.37	161.65	0.00	161.65	37.02	0.41	0.00	6.00	0.70	0.72	2.02	42.59	-0.12	60.04	6.00
931	9.31	6.13	24.50	-18.78	0.40	6.13	0.40	6.00	1.88	17.36	161.83	0.00	161.83	36.86	0.41	0.00	6.00	0.70	0.72	2.02	42.40	-0.12	59.95	6.00
932	9.32	6.08	24.18	-18.59	0.40	6.08	0.40	6.00	1.88	17.34	162.00	0.00	162.00	36.51	0.41	0.00	6.00	0.70	0.72	2.03	41.99	-0.11	59.64	6.00
933	9.33	6.05	24.09	-18.50	0.40	6.05	0.40	6.00	1.88	17.34	162.17	0.00	162.17	36.28	0.41	0.00	6.00	0.70	0.72	2.03	41.72	-0.11	59.40	6.00
934	9.34	5.97	23.77	-18.31	0.40	5.97	0.40	6.00	1.89	17.32	162.35	0.00	162.35	35.75	0.41	0.00	6.00	0.71	0.72	2.03	41.08	-0.11	58.83	6.00
935	9.35	5.91	23.81	-18.21	0.40	5.91	0.40	6.00	1.89	17.32	162.52	0.00	162.52	35.34	0.41	0.00	6.00	0.71	0.72	2.04	40.57	-0.11	58.25	6.00
936	9.36	5.82	24.44	-18.02	0.42	5.82	0.42	6.00	1.91	17.34	162.69	0.00	162.69	34.75	0.43	0.00	6.00	0.71	0.71	2.06	39.79	-0.11	57.10	6.00
937	9.37	5.78	24.47	-17.92	0.42	5.78	0.42	6.00	1.91	17.34	162.87	0.00	162.87	34.47	0.44	0.00	6.00	0.72	0.71	2.06	39.44	-0.11	56.70	6.00
938	9.38	5.77	24.37	-17.73	0.42	5.77	0.42	6.00	1.91	17.33	163.04	0.00	163.04	34.37	0.43	0.00	6.00	0.72	0.71	2.06	39.33	-0.11	56.63	6.00
939	9.39	5.77	24.34	-17.63	0.42	5.77	0.42	6.00	1.91	17.33	163.21	0.00	163.21	34.33	0.43	0.00	6.00	0.72	0.71	2.06	39.30	-0.11	56.62	6.00
940	9.40	5.77	23.87	-17.44	0.41	5.77	0.41	6.00	1.91	17.31	163.39	0.00	163.39	34.29	0.43	0.00	6.00	0.72	0.71	2.06	39.29	-0.11	56.83	6.00
941	9.41	5.76	24.09	-17.35	0.42	5.76	0.42	6.00	1.91	17.32	163.56	0.00	163.56	34.19	0.43	0.00	6.00	0.72	0.71	2.06	39.16	-0.11	56.60	6.00
942	9.42	5.78	24.40	-17.25	0.42	5.78	0.42	6.00	1.91	17.34	163.73	0.00	163.73	34.28	0.43	0.00	6.00	0.72	0.71	2.06	39.27	-0.11	56.58	6.00
943	9.43	5.87	24.18	-16.87	0.41	5.87	0.41	6.00	1.90	17.33	163.91	0.00	163.91	34.79	0.42	0.00	6.00	0.71	0.71	2.05	39.95	-0.10	57.45	6.00
944	9.44	5.92	23.77	-16.77	0.40	5.92	0.40	6.00	1.89	17.31	164.08	0.00	164.08	35.06	0.41	0.00	6.00	0.71	0.71	2.04	40.33	-0.10	58.07	6.00
945	9.45	6.05	24.09	-16.58	0.40	6.05	0.40	6.00	1.88	17.34	164.25	0.00	164.25	35.81	0.41	0.00	6.00	0.71	0.71	2.03	41.29	-0.10	59.01	6.00

GeoDeep
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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
946	9.46	6.09	24.06	-16.39	0.40	6.09	0.40	6.00	1.88	17.34	164.43	0.00	164.43	36.02	0.41	0.00	6.00	0.70	0.71	2.03	41.57	-0.10	59.35	6.00
947	9.47	6.14	23.62	-16.10	0.38	6.14	0.38	6.00	1.87	17.32	164.60	0.00	164.60	36.28	0.40	0.00	6.00	0.70	0.71	2.02	41.95	-0.10	59.99	6.00
948	9.48	6.15	23.52	-16.01	0.38	6.15	0.38	6.00	1.87	17.32	164.77	0.00	164.77	36.30	0.39	0.00	6.00	0.70	0.71	2.02	42.00	-0.10	60.10	6.00
949	9.49	6.14	23.55	-15.81	0.38	6.14	0.38	6.00	1.87	17.32	164.95	0.00	164.95	36.20	0.39	0.00	6.00	0.70	0.71	2.02	41.88	-0.10	59.97	6.00
950	9.50	6.12	23.68	-15.81	0.39	6.12	0.39	6.00	1.87	17.32	165.12	0.00	165.12	36.04	0.40	0.00	6.00	0.70	0.71	2.02	41.68	-0.10	59.69	6.00
951	9.51	6.08	23.77	-15.72	0.39	6.08	0.39	6.00	1.88	17.32	165.29	0.00	165.29	35.76	0.40	0.00	6.00	0.70	0.71	2.03	41.32	-0.10	59.25	6.00
952	9.52	5.98	24.40	-15.53	0.41	5.98	0.41	6.00	1.89	17.35	165.47	0.00	165.47	35.12	0.42	0.00	6.00	0.71	0.71	2.04	40.47	-0.09	58.02	6.00
953	9.53	5.95	24.56	-15.43	0.41	5.95	0.41	6.00	1.90	17.35	165.64	0.00	165.64	34.90	0.42	0.00	6.00	0.71	0.70	2.05	40.19	-0.09	57.64	6.00
954	9.54	5.87	24.97	-15.24	0.43	5.87	0.43	6.00	1.91	17.37	165.81	0.00	165.81	34.38	0.44	0.00	6.00	0.72	0.70	2.06	39.51	-0.09	56.71	6.00
955	9.55	5.90	25.07	-15.14	0.43	5.90	0.43	6.00	1.90	17.37	165.99	0.00	165.99	34.53	0.44	0.00	6.00	0.72	0.70	2.06	39.71	-0.09	56.89	6.00
956	9.56	5.94	24.53	-14.95	0.41	5.94	0.41	6.00	1.90	17.35	166.16	0.00	166.16	34.73	0.43	0.00	6.00	0.71	0.70	2.05	40.01	-0.09	57.48	6.00
957	9.57	5.97	24.72	-14.86	0.41	5.97	0.41	6.00	1.89	17.36	166.33	0.00	166.33	34.87	0.43	0.00	6.00	0.71	0.70	2.05	40.20	-0.09	57.61	6.00
958	9.58	5.99	25.57	-14.66	0.43	5.99	0.43	6.00	1.90	17.40	166.51	0.00	166.51	34.96	0.44	0.00	6.00	0.72	0.70	2.05	40.27	-0.09	57.32	6.00
959	9.59	6.00	25.63	-14.57	0.43	6.00	0.43	6.00	1.90	17.41	166.68	0.00	166.68	34.98	0.44	0.00	6.00	0.72	0.70	2.05	40.31	-0.09	57.35	6.00
960	9.60	6.00	25.54	-14.38	0.43	6.00	0.43	6.00	1.90	17.40	166.86	0.00	166.86	34.94	0.44	0.00	6.00	0.72	0.70	2.05	40.28	-0.09	57.36	6.00
961	9.61	6.00	25.51	-14.28	0.42	6.00	0.43	6.00	1.90	17.40	167.03	0.00	167.03	34.90	0.44	0.00	6.00	0.72	0.70	2.05	40.24	-0.09	57.35	6.00
962	9.62	6.01	25.44	-14.09	0.42	6.01	0.42	6.00	1.90	17.40	167.20	0.00	167.20	34.93	0.44	0.00	6.00	0.71	0.70	2.05	40.29	-0.08	57.44	6.00
963	9.63	6.04	25.29	-13.99	0.42	6.04	0.42	6.00	1.89	17.39	167.38	0.00	167.38	35.07	0.43	0.00	6.00	0.71	0.70	2.05	40.49	-0.08	57.74	6.00
964	9.64	6.01	24.81	-13.90	0.41	6.01	0.41	6.00	1.89	17.37	167.55	0.00	167.55	34.85	0.42	0.00	6.00	0.71	0.70	2.05	40.25	-0.08	57.70	6.00
965	9.65	5.96	24.59	-13.71	0.41	5.96	0.41	6.00	1.89	17.36	167.73	0.00	167.73	34.52	0.42	0.00	6.00	0.72	0.70	2.05	39.85	-0.08	57.35	6.00
966	9.66	5.90	24.37	-13.71	0.41	5.90	0.41	6.00	1.90	17.34	167.90	0.00	167.90	34.12	0.43	0.00	6.00	0.72	0.70	2.06	39.36	-0.08	56.91	6.00
967	9.67	5.65	24.59	-13.61	0.44	5.65	0.44	6.00	1.93	17.34	168.07	0.00	168.07	32.60	0.45	0.00	5.00	0.73	0.69	2.09	37.40	-0.08	54.62	6.00
968	9.68	5.52	25.00	-13.71	0.45	5.52	0.45	6.00	1.94	17.35	168.25	0.00	168.25	31.79	0.47	0.00	5.00	0.74	0.69	2.11	36.35	-0.08	53.28	6.00
969	9.69	5.35	25.29	-13.71	0.47	5.35	0.47	6.00	1.96	17.35	168.42	0.00	168.42	30.75	0.49	0.00	5.00	0.74	0.69	2.13	35.01	-0.08	51.68	6.00
970	9.70	5.07	25.00	-13.61	0.49	5.07	0.49	6.00	1.99	17.31	168.59	0.00	168.59	29.06	0.51	0.00	5.00	0.76	0.68	2.16	32.88	-0.08	49.41	6.00
971	9.71	4.95	24.94	-13.61	0.50	4.95	0.50	6.00	2.01	17.30	168.77	0.00	168.77	28.31	0.52	0.00	5.00	0.76	0.68	2.18	31.95	-0.08	48.40	6.00
972	9.72	4.82	24.75	-13.61	0.51	4.82	0.51	6.00	2.02	17.28	168.94	0.00	168.94	27.51	0.53	0.00	5.00	0.77	0.67	2.19	30.96	-0.08	47.36	6.00
973	9.73	4.58	24.91	-13.61	0.54	4.58	0.54	6.00	2.05	17.27	169.11	0.00	169.11	26.07	0.57	0.00	5.00	0.78	0.67	2.23	29.13	-0.08	45.26	6.00
974	9.74	4.45	24.66	-13.71	0.55	4.45	0.55	6.00	2.07	17.25	169.28	0.00	169.28	25.27	0.58	0.00	5.00	0.79	0.67	2.25	28.16	-0.08	44.25	6.00
975	9.75	4.21	24.06	-13.71	0.57	4.21	0.57	5.00	2.09	17.20	169.46	0.00	169.46	23.83	0.60	0.00	5.00	0.80	0.66	2.28	26.39	-0.08	42.45	6.00
976	9.76	4.11	23.99	-13.71	0.58	4.11	0.58	5.00	2.11	17.18	169.63	0.00	169.63	23.21	0.61	0.00	5.00	0.81	0.66	2.29	25.63	-0.08	41.62	6.00
977	9.77	3.93	23.14	-13.61	0.59	3.93	0.59	5.00	2.13	17.13	169.80	0.00	169.80	22.13	0.62	0.00	5.00	0.82	0.66	2.32	24.33	-0.08	40.40	6.00
978	9.78	3.87	22.89	-13.61	0.59	3.87	0.59	5.00	2.13	17.11	169.97	0.00	169.97	21.75	0.62	0.00	5.00	0.82	0.65	2.32	23.88	-0.08	39.96	6.00
979	9.79	3.82	22.29	-13.51	0.58	3.82	0.58	5.00	2.14	17.07	170.14	0.00	170.14	21.44	0.61	0.00	5.00	0.82	0.65	2.33	23.52	-0.08	39.73	6.00
980	9.80	3.74	21.94	-13.32	0.59	3.74	0.59	5.00	2.14	17.05	170.31	0.00	170.31	20.94	0.62	0.00	5.00	0.83	0.65	2.34	22.94	-0.08	39.16	6.00
981	9.81	3.72	21.79	-13.32	0.59	3.72	0.59	5.00	2.15	17.04	170.48	0.00	170.48	20.80	0.61	0.00	5.00	0.83	0.65	2.34	22.77	-0.08	39.02	6.00
982	9.82	3.70	21.47	-13.13	0.58	3.70	0.58	5.00	2.15	17.02	170.65	0.00	170.65	20.67	0.61	0.00	5.00	0.83	0.65	2.34	22.62	-0.08	38.94	6.00
983	9.83	3.71	21.31	-13.13	0.58	3.71	0.57	5.00	2.14	17.01	170.82	0.00	170.82	20.70	0.60	0.00	5.00	0.83	0.65	2.34	22.68	-0.08	39.06	6.00
984	9.84	3.74	21.28	-12.84	0.57	3.74	0.57	5.00	2.14	17.01	170.99	0.00	170.99	20.86	0.60	0.00	5.00	0.82	0.65	2.33	22.87	-0.08	39.30	6.00
985	9.85	3.80	21.31	-12.75	0.56	3.80	0.56	5.00	2.13	17.02	171.16	0.00	171.16	21.19	0.59	0.00	5.00	0.82	0.65	2.32	23.28	-0.07	39.77	6.00
986	9.86	3.94	21.22	-12.46	0.54	3.94	0.54	5.00	2.11	17.03	171.33	0.00	171.33	21.98	0.56	0.00	5.00	0.81	0.65	2.30	24.28	-0.07	40.96	6.00
987	9.87	4.03	21.12	-12.36	0.52	4.03	0.52	5.00	2.09	17.03	171.50	0.00	171.50	22.48	0.55	0.00	5.00	0.81	0.65	2.28	24.91	-0.07	41.74	6.00
988	9.88	4.14	21.03	-12.17	0.51	4.14	0.51	5.00	2.08	17.04	171.67	0.00	171.67	23.10	0.53	0.00	5.00	0.80	0.66	2.27	25.69	-0.07	42.68	6.00
989	9.89	4.14	21.03	-12.17	0.51	4.14	0.51	5.00	2.08	17.04	171.84	0.00	171.84	23.08	0.53	0.00	5.00	0.80	0.66	2.27	25.67	-0.07	42.66	6.00
990	9.90	4.14	21.03	-12.17	0.51	4.14	0.51	5.00	2.08	17.04	172.01	0.00	172.01	23.05	0.53	0.00	5.00	0.80	0.66	2.27	25.64	-0.07	42.64	6.00

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
991	9.91	4.81	16.02	-8.05	0.33	4.81	0.33	6.00	1.94	16.78	172.18	0.00	172.18	26.93	0.35	0.00	5.00	0.74	0.67	2.12	30.85	-0.05	50.65	6.00
992	9.92	5.03	16.65	-7.86	0.33	5.03	0.33	6.00	1.92	16.84	172.35	0.00	172.35	28.18	0.34	0.00	5.00	0.74	0.68	2.10	32.43	-0.05	52.31	6.00
993	9.93	5.07	16.99	-7.86	0.34	5.07	0.34	6.00	1.92	16.87	172.52	0.00	172.52	28.38	0.35	0.00	5.00	0.73	0.68	2.10	32.68	-0.05	52.47	6.00
994	9.94	5.08	17.15	-7.86	0.34	5.08	0.34	6.00	1.92	16.88	172.69	0.00	172.69	28.41	0.35	0.00	5.00	0.74	0.68	2.10	32.72	-0.05	52.45	6.00
995	9.95	5.06	17.63	-7.86	0.35	5.06	0.35	6.00	1.93	16.91	172.86	0.00	172.86	28.26	0.36	0.00	5.00	0.74	0.67	2.11	32.51	-0.05	52.01	6.00
996	9.96	5.05	17.88	-7.86	0.35	5.05	0.35	6.00	1.93	16.93	173.03	0.00	173.03	28.18	0.37	0.00	5.00	0.74	0.67	2.11	32.39	-0.05	51.77	6.00
997	9.97	5.06	18.13	-7.86	0.36	5.06	0.36	6.00	1.93	16.94	173.20	0.00	173.20	28.21	0.37	0.00	5.00	0.74	0.67	2.11	32.42	-0.05	51.71	6.00
998	9.98	5.04	18.92	-7.86	0.38	5.04	0.38	6.00	1.94	16.99	173.37	0.00	173.37	28.06	0.39	0.00	5.00	0.74	0.67	2.12	32.19	-0.05	51.13	6.00
999	9.99	5.02	20.08	-7.76	0.40	5.02	0.40	6.00	1.96	17.06	173.54	0.00	173.54	27.92	0.41	0.00	5.00	0.75	0.67	2.14	31.94	-0.04	50.39	6.00
1000	10.00	4.99	20.59	-7.76	0.41	4.99	0.41	6.00	1.96	17.08	173.71	0.00	173.71	27.72	0.43	0.00	5.00	0.75	0.67	2.15	31.66	-0.04	49.87	6.00

GeoDeep
Sismica e Geotecnica

	In situ data						Estimations																						
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
1	0.01	0.00	0.00	0.00	0.00E+000	0.00E+000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	18.00	N/A	N/A	N/A	N/A
2	0.02	0.00	0.00	0.00	0.00E+000	0.00E+000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	18.00	N/A	N/A	N/A	N/A
3	0.03	0.10	0.03	0.00	0.00E+000	0.00E+000	1.00	0.20	0.00	0.00	0.00	3.74	0.00	0.00	0.00	0.30	0.00	51.72	0.00	0.00	0.00	0.00	0.00	12.56	24.68	0.06	13.73	N/A	N/A	N/A	N/A
4	0.04	0.10	0.00	0.00	0.00E+000	0.00E+000	0.00	0.09	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.30	0.00	6.85	0.00	0.00	0.00	0.00	0.00	1.00	1.96	0.00	13.73	N/A	N/A	N/A	N/A
5	0.05	0.36	0.44	1.00	8.61E-008	2.24E-005	1.00	2.55	0.00	0.00	0.00	6.70	15.00	23.96	31.03	0.30	2.13	69.20	0.00	1.00	57.17	0.00	23.96	4.10	29.11	0.02	13.73	N/A	N/A	N/A	N/A
6	0.06	0.72	0.79	5.00	7.27E-007	7.46E-004	2.00	10.07	20.00	30.00	9.90	9.12	0.00	0.00	0.00	0.30	0.00	80.72	0.08	0.00	0.00	0.00	0.53	2.06	29.32	0.02	13.73	N/A	N/A	N/A	N/A
7	0.07	1.04	0.91	0.00	0.00E+000	0.00E+000	3.00	14.49	0.00	0.00	0.00	10.65	0.00	0.00	0.00	0.30	0.00	87.23	0.00	0.00	0.00	0.00	0.00	1.54	31.59	0.02	13.73	N/A	N/A	N/A	N/A
8	0.08	1.22	2.18	5.00	2.76E-006	4.64E-003	4.00	16.51	26.00	30.00	13.18	12.34	0.00	0.00	0.00	0.30	0.00	93.11	0.05	0.00	0.00	0.00	0.68	1.50	35.96	0.02	13.96	N/A	N/A	N/A	N/A
9	0.09	1.23	3.00	5.00	2.23E-006	3.93E-003	4.00	17.30	26.00	30.00	13.80	13.27	0.00	0.00	0.00	0.30	0.00	95.30	0.04	0.00	0.00	0.00	0.77	1.56	37.75	0.02	14.33	N/A	N/A	N/A	N/A
10	0.10	1.23	5.64	5.00	1.17E-006	2.05E-003	4.00	17.19	26.00	30.00	15.51	15.66	0.00	0.00	0.00	0.30	0.00	101.03	0.02	0.00	0.00	0.00	0.85	1.81	43.84	0.03	15.06	N/A	N/A	N/A	N/A
11	0.11	1.23	6.78	5.00	9.31E-007	1.63E-003	4.00	17.18	26.00	30.00	16.16	16.55	0.00	0.00	0.00	0.30	0.00	103.11	0.01	0.00	0.00	0.00	0.94	1.92	46.60	0.04	15.27	N/A	N/A	N/A	N/A
12	0.12	1.21	8.48	5.00	6.47E-007	1.11E-003	4.00	16.90	26.00	30.16	16.98	17.67	0.00	0.00	0.00	0.30	0.00	105.68	0.00	0.00	0.00	0.00	1.04	2.14	50.93	0.06	15.52	N/A	N/A	N/A	N/A
13	0.13	1.21	10.12	5.00	5.03E-007	8.67E-004	4.00	16.90	26.00	30.69	17.76	18.73	0.00	0.00	0.00	0.30	0.00	108.11	-0.01	0.00	0.00	0.00	1.15	2.31	55.00	0.08	15.72	N/A	N/A	N/A	N/A
14	0.14	1.19	12.01	5.00	3.63E-007	6.15E-004	4.00	16.62	26.00	31.28	18.53	19.77	0.00	0.00	0.00	0.30	0.00	110.41	-0.03	0.00	0.00	0.00	1.28	2.56	59.96	0.11	15.91	N/A	N/A	N/A	N/A
15	0.15	1.17	12.86	5.00	3.04E-007	5.07E-004	4.00	16.33	26.00	31.56	18.81	20.16	0.00	0.00	0.00	0.30	0.00	111.24	-0.03	0.00	0.00	0.00	1.39	2.71	62.42	0.14	15.99	N/A	N/A	N/A	N/A
16	0.16	1.16	14.19	5.00	2.51E-007	4.15E-004	4.00	16.19	26.00	31.93	19.30	20.84	0.00	0.00	0.00	0.30	0.00	112.69	-0.04	0.00	0.00	0.00	1.51	2.89	65.89	0.18	16.10	N/A	N/A	N/A	N/A
17	0.17	1.17	15.76	5.00	2.20E-007	3.65E-004	4.00	16.33	26.00	32.29	19.95	21.70	0.00	0.00	0.00	0.30	0.00	114.56	-0.05	0.00	0.00	0.00	1.64	3.02	69.46	0.24	16.22	N/A	N/A	N/A	N/A
18	0.18	1.17	16.52	5.00	2.03E-007	3.38E-004	4.00	16.33	26.00	32.47	20.23	22.08	0.00	0.00	0.00	0.30	0.00	115.36	-0.05	0.00	0.00	0.00	1.75	3.10	71.26	0.28	16.27	N/A	N/A	N/A	N/A
19	0.19	1.16	18.22	4.00	1.66E-007	2.74E-004	4.00	16.19	0.00	0.00	0.00	22.85	15.00	77.07	26.45	0.30	6.85	116.97	0.00	1.00	4.44	0.00	77.07	3.31	75.49	0.40	16.38	N/A	N/A	N/A	N/A
20	0.20	1.15	18.89	4.00	1.50E-007	2.46E-004	4.00	16.04	0.00	0.00	0.00	23.11	15.00	76.40	24.82	0.30	6.79	117.50	0.00	1.00	4.25	0.00	76.40	3.42	77.30	0.47	16.42	N/A	N/A	N/A	N/A
21	0.21	1.15	19.96	4.00	1.37E-007	2.24E-004	4.00	16.04	0.00	0.00	0.00	23.60	15.00	76.39	23.55	0.30	6.78	118.51	0.00	1.00	4.02	0.00	76.39	3.53	79.75	0.57	16.48	N/A	N/A	N/A	N/A
22	0.22	1.15	20.81	4.00	1.27E-007	2.08E-004	5.00	16.04	0.00	0.00	0.00	23.98	15.00	76.38	22.41	0.30	6.78	119.28	0.00	1.00	3.85	0.00	76.38	3.61	81.68	0.58	16.53	N/A	N/A	N/A	N/A
23	0.23	1.14	20.84	4.00	1.22E-007	1.98E-004	4.00	15.90	0.00	0.00	0.00	23.94	15.00	75.70	21.18	0.30	6.72	119.18	0.00	1.00	3.81	0.00	75.70	3.66	82.03	0.58	16.53	N/A	N/A	N/A	N/A
24	0.24	1.14	19.90	4.00	1.32E-007	2.14E-004	4.00	15.89	0.00	0.00	0.00	23.52	15.00	75.69	20.25	0.30	6.72	118.32	0.00	1.00	3.99	0.00	75.69	3.57	79.91	0.58	16.48	N/A	N/A	N/A	N/A
25	0.25	1.14	19.74	4.00	1.34E-007	2.17E-004	4.00	15.89	0.00	0.00	0.00	23.44	15.00	75.68	19.39	0.30	6.72	118.17	0.00	1.00	4.03	0.00	75.68	3.55	79.54	0.56	16.47	N/A	N/A	N/A	N/A
26	0.26	1.14	19.61	4.00	1.35E-007	2.19E-004	4.00	15.89	0.00	0.00	0.00	23.38	15.00	75.67	18.60	0.30	6.72	118.05	0.00	1.00	4.05	0.00	75.67	3.54	79.25	0.55	16.46	N/A	N/A	N/A	N/A
27	0.27	1.14	19.33	4.00	1.39E-007	2.25E-004	4.00	15.89	0.00	0.00	0.00	23.25	15.00	75.66	17.88	0.30	6.72	117.78	0.00	1.00	4.11	0.00	75.66	3.51	78.61	0.52	16.44	N/A	N/A	N/A	N/A
28	0.28	1.12	19.33	4.00	1.29E-007	2.05E-004	4.00	15.61	0.00	0.00	0.00	23.15	15.00	74.31	16.90	0.30	6.60	117.53	0.00	1.00	4.04	0.00	74.31	3.60	79.17	0.54	16.44	N/A	N/A	N/A	N/A
29	0.29	1.12	19.26	4.00	1.29E-007	2.06E-004	4.00	15.60	0.00	0.00	0.00	23.11	15.00	74.30	16.29	0.30	6.60	117.47	0.00	1.00	4.05	0.00	74.30	3.59	79.01	0.54	16.43	N/A	N/A	N/A	N/A
30	0.30	1.11	19.33	4.00	1.24E-007	1.95E-004	4.00	15.46	0.00	0.00	0.00	23.09	15.00	73.62	15.58	0.30	6.54	117.40	0.00	1.00	4.00	0.00	73.62	3.64	79.45	0.56	16.43	N/A	N/A	N/A	N/A
31	0.31	1.09	19.36	4.00	1.14E-007	1.77E-004	4.00	15.18	0.00	0.00	0.00	23.00	15.00	72.28	14.78	0.30	6.42	117.18	0.00	1.00	3.92	0.00	72.28	3.74	80.09	0.58	16.43	N/A	N/A	N/A	N/A
32	0.32	1.06	19.67	4.00	9.86E-008	1.48E-004	4.00	14.76	0.00	0.00	0.00	22.97	15.00	70.28	13.91	0.30	6.24	117.08	0.00	1.00	3.75	0.00	70.28	3.93	81.69	0.58	16.44	N/A	N/A	N/A	N/A
33	0.33	1.05	20.49	4.00	8.82E-008	1.31E-004	4.00	14.62	0.00	0.00	0.00	23.27	15.00	69.60	13.34	0.30	6.18	117.70	0.00	1.00	3.57	0.00	69.60	4.07	83.91	0.58	16.48	N/A	N/A	N/A	N/A
34	0.34	1.02	20.59	4.00	7.72E-008	1.12E-004	4.00	14.19	0.00	0.00	0.00	23.14	15.00	67.59	12.55	0.30	6.00	117.39	0.00	1.00	3.45	0.00	67.59	4.25	85.07	0.58	16.47	N/A	N/A	N/A	N/A
35	0.35	0.98	20.53	4.00	6.54E-008	9.08E-005	4.00	13.63	0.00	0.00	0.00	22.88	15.00	64.91	11.70	0.30	5.77	116.78	0.00	1.00	3.32	0.00	64.91	4.48	86.18	0.58	16.46	N/A	N/A	N/A	N/A
36	0.36	0.97	20.18	4.00	6.44E-008	8.86E-005	4.00	13.49	0.00	0.00	0.00	22.67	15.00	64.23	11.24	0.30	5.71	116.32	0.00	1.00	3.34	0.00	64.23	4.51	85.68	0.58	16.43	N/A	N/A	N/A	N/A
37	0.37	0.95	19.01	4.00	6.54E-008	8.80E-005	4.00	13.21	0.00	0.00	0.00	22.03	15.00	62.89	10.70	0.30	5.59	114.95	0.00	1.00	3.47	0.00	62.89	4.48	83.50	0.58	16.36	N/A	N/A	N/A	N/A
38	0.38	0.94	18.70	4.00	6.42E-008	8.55E-005	4.00	13.06	0.00	0.00	0.00	21.83	15.00	62.21	10.30	0.30	5.53	114.51	0.00	1.00	3.49	0.00	62.21	4.51	83.06	0.58	16.33	N/A	N/A	N/A	N/A
39	0.39	0.93	18.54	4.00	6.22E-008	8.20E-005	4.00	12.92	0.00	0.00	0.00	21.70	15.00	61.53	9.92	0.30	5.47	114.21	0.00	1.00	3.48	0.00	61.53	4.56	82.99	0.58	16.32	N/A	N/A	N/A	N/A
40	0.40	0.92	18.48	4.00	5.97E-008	7.78E-005	4.00	12.78	0.00	0.00	0.00	21.61	15.00	60.85	9.56	0.30	5.41	114.00	0.00	1.00	3.46	0.00	60.85	4.62	83.16	0.58	16.31	N/A	N/A	N/A	N/A
41	0.41	0.91	18.48	4.00	5.70E-008	7.34E-005	4.00	12.64	0.00	0.00	0.00	21.55	15.00	60.18	9.22	0.30	5.35	113.85	0.00	1.00	3.42	0.00	60.18	4.69	83.48	0.58	16.31	N/A	N/A	N/A	N/A
42	0.42	0.90	18.48	4.00	5.43E-008	6.92E-005	4.00	12.49	0.00	0.00	0.00	21.48	15.00	59.50	8.89	0.30	5.28	113.70	0.00	1.00	3.38	0.00	59.50	4.76	83.81	0.58	16.30	N/A	N/A	N/A	N/A
43	0.43	0.90	17.66	4.00	5.87E-008	7.47E-005	4.00	12.49	0.00	0.00	0.00	21.11	15.00	59.49	8.68	0.30	5.28	112.90	0.00	1.00	3.54	0.00	59.49	4.64	81.76	0.58	16.25	N/A	N/A	N/A	N/A
44	0.44	0.91	17.47	4.00	6.26E-008	8.06E-005	4.00	12.63	0.00	0.00	0.00	21.09	15.00	60.15	8.57	0.30	5.34	112.86	0.00	1.00	3.61	0.00	60.15	4.55	80.97	0.58	16.24	N/A	N/A	N/A	N/A
45	0.45	0.91	16.46	4.00	6.92E-008	8.91E-005	4.00	12.63	0.00	0.00	0.00	20.62	15.00	60.14	8.38	0.30	5.34	111.83	0.00	1.00	3.84	0.00	60.14	4.40	78.39	0.51	16.17	N/A	N/A	N/A	N/A
46	0.46	0.92	15.70	4.00	7.85E-008	1.02E-004	4.00	12.77	0.00	0.00	0.00	20.31	15.00	60.79	8.28	0.30	5.40	111.17	0.00	1.00	4.07	0.00	60.79	4.23	76.11	0.42	16.12	N/A	N/A	N/A	N/A
47	0.47	0.96	14.28	4.00	1.10E-007	1.49E-004	4.00	13.32	0.00	0.00	0.00	19.83	15.00	63.45	8.46	0.30	5.64	110.17	0.00	1.00	4.67	0.00	63.45	3.79	71.20	0.28	16.03	N/A	N/A	N/A	N/A
48	0.48	0.97	13.78	4.00	1.22E-007	1.67E-004	4.00	13.46	0.00	0.00	0.00	19.63	15.00	64.11	8.37	0.30	5.69	109.73	0.00	1.00	4.88	0.00	64.11	3.67	69.59	0.25	15.99	N/A	N/A	N/A	N/A
49	0.49	1.03	12.86	5.00	1.75E-007	2.55E-004	4.00	14.30	24.00	31.90	18.20	19.46	0.00	0.00	0.00	0.30	0.00	109.44	-0.04	0.00	0.00	0.00	4.87	3.25	65.58	0.18	15.94	N/A	N/A	N/A	N/A
50	0.50	1.04	12.71	5.00	1.85E-007	2.73E-004	4.00	14.44	24.00	31.83	18.19	19.43	0.00	0.00	0.00	0.30	0.00	109.38	-0.04	0.00	0.00	0.00	4.95	3.19	64.95	0.17	15.93	N/A	N/A	N/A	N/A
51	0.51	1.07	12.83	5.00	2.06E-007	3.12E-004	4.00	14.86	24.00	31.79	18.36	19.64	0.00	0.00	0.00	0.30	0.00	109.91	-0.04	0.00	0.00	0.00	5.04	3.08	64.57	0.16	15.95	N/A	N/A	N/A	N/A
52	0.52	1.09	12.71	5.00	2.26E-007	3.48E-004	4.00	15.14	25.00	31.71	18.40	19.67	0.00	0.00	0.00	0.30	0.00	110.02	-0.04	0.00	0.00	0.00	5.13	2.99	63.81	0.15	15.95	N/A	N/A	N/A	N/A
53	0.53	1.16	12.71	5.00	2.93E-007	4.81E-004	4.00	16.11	25.00	31.55	18.68	20.01	0.00	0.00	0.00	0.30	0.00	110.87	-0.03	0.00	0.00	0.00	5.19	2.74	62.35	0.14	15.97	N/A	N/A	N/A	N/A
54	0.54	1.22	12.83	5.00	3.57E-007	6.16E-004	4.00	16.95	26.00	31.46	18.97	20.35	0.00	0.00	0.00	0.30	0.00	111.71	-0.03	0.00	0.00	0.00	5.27	2.57	61.54	0.13	16.00	N/A	N/A	N/A	N/A
55	0.55	1.36	13.34	5.00	5.30E-007	1.02E-003	5.00	18.91	28.00	31.35	19.70	21.25	0.00	0.00	0.00	0.30	0.00	113.84	-0.03	0.00	0.00	0.00	5.35	2.27	60.59	0.12	16.09	N/A	N/A	N/A	N/A
56	0.56	1.42	14.72	5.00	5.44E-007	1.09E-003	5.00	19.75	28.00	31.59	20.47	22.27	0.00	0.00	0.00	0.30	0.00	116.06	-0.03	0.00	0.00	0.00	5.50	2.25	62.76	0.14	16.22	N/A	N/A	N/A	N/A
57	0.57	1.44	16.65	5.00	4.73E-007	9.65E-004	5.00	20.03	28.00	31.99	21.29	23.37	0.00	0.00	0.00	0.30	0.00	118.36	-0.04	0.00	0.00	0.00	5.69	2.35	66.47	0.19	16.36	N/A	N/A	N/A	N/A
58	0.58	1.42	17.37	5.00	4.16E-007	8.36E-004	5.00	19.75	28.00	32.17	21.49	23.65	0.00	0.00	0.00	0.30	0.00	118.91	-0.05	0.00	0.00	0.00	5.83	2.45	68.26	0.22	16.41	N/A	N/A	N/A	N/A
59	0.59	1.41	18.73	5.00	3.55E-007	7.10E-004	5.00	19.60	28.00	32.47	21.95	24.27	0.00	0.00	0.00	0.30	0.00	120.16	-0.05	0.00	0.00	0.00	6.00	2.58	71.24	0.28	16.49	N/A	N/A	N/A	N/A
60	0.60	1.40	19.39	5.00	3.25E-007	6.45E-004	5.00	19.46	28.00	32.62	22.14	24.54	0.00	0.00	0.00	0.30	0.00	120.69	-0.05	0.00	0.00	0.00	6.14	2.65	72.79	0.32	16.53	N/A	N/A	N/A	N/A
61	0.61	1.39	20.24	5.00	2.93E-007	5.77E-004	5.00	19.32	28.00	32.80	22.40	24.90	0.00	0.00	0.00	0.30	0.00	121.39	-0.06	0.00	0.00	0.00	6.29	2.74	74.75	0.38	16.57	N/A	N/A	N/A	N/A
62	0.62	1.36	22.99	5.00	2.14E-007	4.12E-004	5.00	18.90	28.00	33.36	23.19	25.99	0.00	0.00	0.00	0.30	0.00	123.52	-0.07	0.00	0.00	0.00	6.54	3.04	81.07	0.64	16.71	N/A	N/A	N/A	N/A
63	0.63	1.32	24.59	4.00	1.67E-007	3.12E-004	5.00	18.33	0.00	0.00	0.00	26.48	15.00	87.31	8.65	0.30	7.76	124.42	0.00	1.00	3.73	0.00	87.31	3.30	85.34	0.58	16.78	N/A	N/A	N/A	N/A
64	0.64	1.31	25.10	4.00	1.56E-007	2.89E-004	5.00	18.19	0.00	0.00	0.00	26.64	15.00	86.63	8.44	0.30	7.69	124.73	0.00	1.00	3.62	0.00	86.63	3.38	86.66	0.58	16.80	N/A	N/A	N/A	N/A
65	0.65	1.24	26.99	4.00	1.08E-007	1.89E-004	5.00	17.21	0.00	0.00	0.00	27.03	15.00	81.95	7.85	0.30	7.28	125.41	0.00	1.00	3.19	0.00	81.95	3.81	92.50	0.58	16.86	N/A	N/A	N/A	N/A
66	0.66	1.21	28.57	4.00	8.74E-008	1.50E-004	5.00	16.79	0.00	0.00	0.00	27.48	15.00	79.94	7.54	0.30	7.10	126.24	0.00	1.00	2.94	0.00	79.94	4.08	96.63	0.58	16.92	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
67	0.67	1.17	30.14	4.00	6.85E-008	1.13E-004	5.00	16.22	0.00	0.00	0.00	27.84	15.00	77.26	7.17	0.30	6.86	126.88	0.00	1.00	2.69	0.00	77.26	4.42	101.07	0.58	16.97	N/A	N/A	N/A	N/A
68	0.68	1.15	30.68	4.00	6.15E-008	9.99E-005	5.00	15.94	0.00	0.00	0.00	27.92	15.00	75.91	6.94	0.30	6.74	127.00	0.00	1.00	2.60	0.00	75.91	4.57	102.80	0.58	16.98	N/A	N/A	N/A	N/A
69	0.69	1.14	31.12	4.00	5.76E-008	9.28E-005	5.00	15.80	0.00	0.00	0.00	28.02	15.00	75.24	6.77	0.30	6.68	127.18	0.00	1.00	2.54	0.00	75.24	4.67	104.02	0.58	16.99	N/A	N/A	N/A	N/A
70	0.70	1.13	31.85	4.00	5.31E-008	8.47E-005	5.00	15.66	0.00	0.00	0.00	28.22	15.00	74.56	6.61	0.30	6.62	127.55	0.00	1.00	2.46	0.00	74.56	4.79	105.81	0.58	17.02	N/A	N/A	N/A	N/A
71	0.71	1.14	32.07	4.00	5.44E-008	8.75E-005	5.00	15.79	0.00	0.00	0.00	28.36	15.00	75.21	6.57	0.30	6.68	127.83	0.00	1.00	2.46	0.00	75.21	4.76	105.91	0.58	17.03	N/A	N/A	N/A	N/A
72	0.72	1.15	31.53	4.00	5.82E-008	9.46E-005	5.00	15.93	0.00	0.00	0.00	28.23	15.00	75.87	6.53	0.30	6.74	127.58	0.00	1.00	2.53	0.00	75.87	4.65	104.52	0.58	17.01	N/A	N/A	N/A	N/A
73	0.73	1.14	31.25	4.00	5.70E-008	9.17E-005	5.00	15.79	0.00	0.00	0.00	28.06	15.00	75.19	6.38	0.30	6.68	127.26	0.00	1.00	2.53	0.00	75.19	4.69	104.30	0.58	17.00	N/A	N/A	N/A	N/A
74	0.74	1.13	31.56	4.00	5.38E-008	8.59E-005	5.00	15.65	0.00	0.00	0.00	28.11	15.00	74.51	6.23	0.30	6.62	127.34	0.00	1.00	2.48	0.00	74.51	4.77	105.25	0.58	17.01	N/A	N/A	N/A	N/A
75	0.75	1.10	32.57	4.00	4.51E-008	7.01E-005	5.00	15.23	0.00	0.00	0.00	28.28	15.00	72.50	5.97	0.30	6.44	127.63	0.00	1.00	2.34	0.00	72.50	5.04	108.27	0.58	17.03	N/A	N/A	N/A	N/A
76	0.76	1.08	32.60	4.00	4.16E-008	6.34E-005	5.00	14.94	0.00	0.00	0.00	28.16	15.00	71.16	5.78	0.30	6.32	127.38	0.00	1.00	2.29	0.00	71.16	5.17	109.01	0.58	17.03	N/A	N/A	N/A	N/A
77	0.77	1.07	32.22	4.00	4.08E-008	6.16E-005	5.00	14.80	0.00	0.00	0.00	27.96	15.00	70.48	5.65	0.30	6.26	126.99	0.00	1.00	2.30	0.00	70.48	5.20	108.60	0.58	17.01	N/A	N/A	N/A	N/A
78	0.78	1.04	31.37	4.00	3.79E-008	5.56E-005	5.00	14.38	0.00	0.00	0.00	27.45	15.00	68.46	5.41	0.30	6.08	125.99	0.00	1.00	2.29	0.00	68.46	5.32	107.94	0.58	16.97	N/A	N/A	N/A	N/A
79	0.79	1.02	31.21	4.00	3.52E-008	5.06E-005	5.00	14.10	0.00	0.00	0.00	27.26	15.00	67.12	5.24	0.30	5.96	125.60	0.00	1.00	2.26	0.00	67.12	5.45	108.31	0.58	16.95	N/A	N/A	N/A	N/A
80	0.80	1.02	31.21	4.00	3.52E-008	5.05E-005	5.00	14.09	0.00	0.00	0.00	27.26	15.00	67.11	5.17	0.30	5.96	125.60	0.00	1.00	2.26	0.00	67.11	5.45	108.31	0.58	16.95	N/A	N/A	N/A	N/A
81	0.81	1.02	31.21	4.00	3.51E-008	5.05E-005	5.00	14.09	0.00	0.00	0.00	27.26	15.00	67.10	5.10	0.30	5.96	125.59	0.00	1.00	2.26	0.00	67.10	5.45	108.32	0.58	16.95	N/A	N/A	N/A	N/A
82	0.82	1.01	28.47	4.00	3.99E-008	5.67E-005	4.00	13.94	0.00	0.00	0.00	26.19	15.00	66.40	4.98	0.30	5.90	123.51	0.00	1.00	2.45	0.00	66.40	5.24	103.05	0.58	16.84	N/A	N/A	N/A	N/A
83	0.83	1.01	28.47	4.00	3.99E-008	5.67E-005	4.00	13.94	0.00	0.00	0.00	26.19	15.00	66.39	4.92	0.30	5.90	123.51	0.00	1.00	2.45	0.00	66.39	5.24	103.05	0.58	16.84	N/A	N/A	N/A	N/A
84	0.84	1.01	28.47	4.00	3.99E-008	5.67E-005	4.00	13.94	0.00	0.00	0.00	26.19	15.00	66.39	4.86	0.30	5.90	123.51	0.00	1.00	2.45	0.00	66.39	5.24	103.06	0.58	16.84	N/A	N/A	N/A	N/A
85	0.85	0.99	27.65	4.00	3.83E-008	5.32E-005	4.00	13.64	0.00	0.00	0.00	25.74	15.00	64.94	4.70	0.30	5.77	122.60	0.00	1.00	2.47	0.00	64.94	5.31	102.07	0.58	16.80	N/A	N/A	N/A	N/A
86	0.86	1.03	25.44	4.00	5.31E-008	7.68E-005	4.00	14.20	0.00	0.00	0.00	25.15	15.00	67.63	4.83	0.30	6.01	121.48	0.00	1.00	2.79	0.00	67.63	4.79	95.97	0.58	16.72	N/A	N/A	N/A	N/A
87	0.87	1.05	25.35	4.00	5.80E-008	8.56E-005	4.00	14.48	0.00	0.00	0.00	25.24	15.00	68.96	4.87	0.30	6.13	121.68	0.00	1.00	2.86	0.00	68.96	4.66	95.12	0.58	16.72	N/A	N/A	N/A	N/A
88	0.88	1.08	25.82	4.00	6.32E-008	9.60E-005	5.00	14.90	0.00	0.00	0.00	25.61	15.00	70.93	4.95	0.30	6.30	122.45	0.00	1.00	2.88	0.00	70.93	4.53	95.18	0.58	16.76	N/A	N/A	N/A	N/A
89	0.89	1.10	25.85	4.00	6.84E-008	1.06E-004	5.00	15.18	0.00	0.00	0.00	25.74	15.00	72.28	4.99	0.30	6.42	122.74	0.00	1.00	2.94	0.00	72.28	4.42	94.59	0.58	16.77	N/A	N/A	N/A	N/A
90	0.90	1.11	26.04	4.00	7.03E-008	1.10E-004	5.00	15.33	0.00	0.00	0.00	25.88	15.00	72.98	4.98	0.30	6.48	123.02	0.00	1.00	2.94	0.00	72.98	4.38	94.66	0.58	16.78	N/A	N/A	N/A	N/A
91	0.91	1.12	26.33	4.00	7.17E-008	1.13E-004	5.00	15.47	0.00	0.00	0.00	26.06	15.00	73.66	4.97	0.30	6.54	123.38	0.00	1.00	2.94	0.00	73.66	4.35	94.95	0.58	16.79	N/A	N/A	N/A	N/A
92	0.92	1.13	27.21	4.00	7.01E-008	1.12E-004	5.00	15.61	0.00	0.00	0.00	26.46	15.00	74.33	4.96	0.30	6.60	124.18	0.00	1.00	2.87	0.00	74.33	4.38	96.48	0.58	16.83	N/A	N/A	N/A	N/A
93	0.93	1.15	28.82	4.00	6.80E-008	1.10E-004	5.00	15.89	0.00	0.00	0.00	27.20	15.00	75.64	4.99	0.30	6.72	125.62	0.00	1.00	2.76	0.00	75.64	4.43	99.18	0.58	16.91	N/A	N/A	N/A	N/A
94	0.94	1.17	29.92	4.00	6.81E-008	1.12E-004	5.00	16.15	0.00	0.00	0.00	27.73	15.00	76.90	5.01	0.30	6.83	126.65	0.00	1.00	2.70	0.00	76.90	4.43	100.80	0.58	16.96	N/A	N/A	N/A	N/A
95	0.95	1.19	32.76	4.00	6.17E-008	1.03E-004	5.00	16.43	0.00	0.00	0.00	28.89	15.00	78.22	5.04	0.30	6.95	128.87	0.00	1.00	2.51	0.00	78.22	4.57	105.77	0.58	17.07	N/A	N/A	N/A	N/A
96	0.96	1.23	35.69	4.00	6.03E-008	1.04E-004	5.00	16.97	0.00	0.00	0.00	30.17	15.00	80.82	5.15	0.30	7.18	131.26	0.00	1.00	2.38	0.00	80.82	4.60	110.09	0.58	17.18	N/A	N/A	N/A	N/A
97	0.97	1.25	37.49	4.00	5.89E-008	1.04E-004	5.00	17.25	0.00	0.00	0.00	30.92	15.00	82.15	5.18	0.30	7.30	132.63	0.00	1.00	2.30	0.00	82.15	4.64	112.78	0.58	17.24	N/A	N/A	N/A	N/A
98	0.98	1.34	40.61	4.00	6.81E-008	1.29E-004	6.00	18.51	0.00	0.00	0.00	32.52	15.00	88.13	5.50	0.30	7.83	135.57	0.00	1.00	2.28	0.00	88.13	4.43	115.47	0.58	17.36	N/A	N/A	N/A	N/A
99	0.99	1.39	42.22	4.00	7.40E-008	1.45E-004	6.00	19.20	0.00	0.00	0.00	33.36	15.00	91.44	5.64	0.30	8.12	137.07	0.00	1.00	2.27	0.00	91.44	4.31	116.68	0.58	17.42	N/A	N/A	N/A	N/A
100	1.00	1.51	46.07	4.00	8.89E-008	1.89E-004	6.00	20.86	0.00	0.00	0.00	35.32	15.00	99.35	6.07	0.30	8.82	140.52	0.00	1.00	2.26	0.00	99.35	4.06	119.43	0.58	17.55	N/A	N/A	N/A	N/A
101	1.01	1.55	47.86	4.00	9.21E-008	2.01E-004	6.00	21.41	0.00	0.00	0.00	36.13	15.00	101.94	6.16	0.30	9.05	141.89	0.00	1.00	2.24	0.00	101.94	4.01	121.17	0.58	17.60	N/A	N/A	N/A	N/A
102	1.02	1.58	49.72	4.00	9.24E-008	2.05E-004	6.00	21.80	0.00	0.00	0.00	36.88	15.00	103.83	6.21	0.30	9.22	143.16	0.00	1.00	2.19	0.00	103.83	4.01	123.29	0.58	17.66	N/A	N/A	N/A	N/A
103	1.03	1.59	52.40	4.00	8.50E-008	1.90E-004	6.00	21.92	0.00	0.00	0.00	37.77	15.00	104.38	6.17	0.30	9.27	144.61	0.00	1.00	2.09	0.00	104.38	4.12	127.32	0.58	17.72	N/A	N/A	N/A	N/A
104	1.04	1.49	55.21	4.00	5.86E-008	1.23E-004	6.00	20.60	0.00	0.00	0.00	38.04	15.00	98.08	5.74	0.30	8.71	144.99	0.00	1.00	1.87	0.00	98.08	4.64	134.86	0.58	17.75	N/A	N/A	N/A	N/A
105	1.05	1.43	56.03	4.00	4.76E-008	9.58E-005	6.00	19.76	0.00	0.00	0.00	37.90	15.00	94.08	5.45	0.30	8.36	144.70	0.00	1.00	1.76	0.00	94.08	4.96	138.20	0.58	17.76	N/A	N/A	N/A	N/A
106	1.06	1.36	56.00	4.00	3.83E-008	7.33E-005	6.00	18.78	0.00	0.00	0.00	37.42	15.00	89.43	5.13	0.30	7.94	143.87	0.00	1.00	1.68	0.00	89.43	5.31	140.57	0.58	17.74	N/A	N/A	N/A	N/A
107	1.07	1.34	55.21	4.00	3.69E-008	6.97E-005	6.00	18.50	0.00	0.00	0.00	37.06	15.00	88.09	5.00	0.30	7.82	143.26	0.00	1.00	1.68	0.00	88.09	5.37	140.02	0.58	17.71	N/A	N/A	N/A	N/A
108	1.08	1.31	52.88	4.00	3.65E-008	6.72E-005	6.00	18.08	0.00	0.00	0.00	36.17	15.00	86.07	4.84	0.30	7.65	141.76	0.00	1.00	1.71	0.00	86.07	5.39	137.33	0.58	17.66	N/A	N/A	N/A	N/A
109	1.09	1.29	52.09	4.00	3.52E-008	6.38E-005	6.00	17.79	0.00	0.00	0.00	35.80	15.00	84.73	4.72	0.30	7.53	141.12	0.00	1.00	1.71	0.00	84.73	5.45	136.75	0.58	17.63	N/A	N/A	N/A	N/A
110	1.10	1.26	51.61	3.00	3.23E-008	5.72E-005	6.00	17.37	0.00	0.00	0.00	35.44	15.00	82.71	4.56	0.30	7.35	140.51	0.00	1.00	1.68	0.00	82.71	5.60	137.03	0.58	17.61	N/A	N/A	N/A	N/A
111	1.11	1.21	50.54	3.00	2.82E-008	4.79E-005	5.00	16.66	0.00	0.00	0.00	34.77	15.00	79.35	4.33	0.30	7.05	139.33	0.00	1.00	1.65	0.00	79.35	5.83	137.04	0.58	17.57	N/A	N/A	N/A	N/A
112	1.12	1.20	49.75	3.00	2.80E-008	4.72E-005	5.00	16.52	0.00	0.00	0.00	34.47	15.00	78.67	4.25	0.30	6.99	138.79	0.00	1.00	1.66	0.00	78.67	5.84	136.08	0.58	17.55	N/A	N/A	N/A	N/A
113	1.13	1.16	48.56	3.00	2.54E-008	4.13E-005	5.00	15.96	0.00	0.00	0.00	33.82	15.00	75.99	4.07	0.30	6.75	137.65	0.00	1.00	1.64	0.00	75.99	6.02	135.50	0.58	17.51	N/A	N/A	N/A	N/A
114	1.14	1.15	47.48	3.00	2.56E-008	4.12E-005	5.00	15.82	0.00	0.00	0.00	33.43	15.00	75.32	4.00	0.30	6.69	136.96	0.00	1.00	1.67	0.00	75.32	6.01	134.03	0.58	17.48	N/A	N/A	N/A	N/A
115	1.15	1.13	44.77	3.00	2.66E-008	4.21E-005	5.00	15.54	0.00	0.00	0.00	32.46	15.00	73.99	3.89	0.30	6.57	135.25	0.00	1.00	1.74	0.00	73.99	5.94	130.06	0.58	17.41	N/A	N/A	N/A	N/A
116	1.16	1.11	42.91	3.00	2.67E-008	4.16E-005	5.00	15.26	0.00	0.00	0.00	31.74	15.00	72.65	3.78	0.30	6.45	133.95	0.00	1.00	1.78	0.00	72.65	5.93	127.50	0.58	17.35	N/A	N/A	N/A	N/A
117	1.17	1.07	38.94	3.00	2.75E-008	4.12E-005	5.00	14.69	0.00	0.00	0.00	30.19	15.00	69.97	3.61	0.30	6.21	131.12	0.00	1.00	1.89	0.00	69.97	5.88	121.72	0.58	17.23	N/A	N/A	N/A	N/A
118	1.18	1.06	36.39	4.00	3.01E-008	4.46E-005	5.00	14.55	0.00	0.00	0.00	29.28	15.00	69.29	3.55	0.30	6.15	129.43	0.00	1.00	2.00	0.00	69.29	5.72	117.31	0.58	17.14	N/A	N/A	N/A	N/A
119	1.19	1.06	34.56	4.00	3.32E-008	4.92E-005	5.00	14.55	0.00	0.00	0.00	28.66	15.00	69.28	3.52	0.30	6.15	128.27	0.00	1.00	2.10	0.00	69.28	5.55	113.81	0.58	17.09	N/A	N/A	N/A	N/A
120	1.20	1.07	30.36	4.00	4.42E-008	6.61E-005	5.00	14.69	0.00	0.00	0.00	27.24	15.00	69.93	3.52	0.30	6.21	125.60	0.00	1.00	2.42	0.00	69.93	5.08	105.15	0.58	16.94	N/A	N/A	N/A	N/A
121	1.21	1.07	28.12	4.00	5.09E-008	7.62E-005	5.00	14.68	0.00	0.00	0.00	26.41	15.00	69.92	3.49	0.30	6.21	123.99	0.00	1.00	2.61	0.00	69.92	4.86	100.54	0.58	16.85	N/A	N/A	N/A	N/A
122	1.22	1.10	25.73	4.00	6.75E-008	1.04E-004	5.00	15.10	0.00	0.00	0.00	25.67	15.00	71.91	3.56	0.30	6.39	122.57	0.00	1.00	2.93	0.00	71.91	4.44	94.51	0.58	16.76	N/A	N/A	N/A	N/A
123	1.23	1.11	24.81	4.00	7.49E-008	1.16E-004	5.00	15.24	0.00	0.00	0.00	25.36	15.00	72.57	3.56	0.30	6.45	121.97	0.00	1.00	3.07	0.00	72.57	4.29	92.22	0.58	16.72	N/A	N/A	N/A	N/A
124	1.24	1.11	22.83	4.00	8.69E-008	1.35E-004	5.00	15.24	0.00	0.00	0.00	24.54	15.00	72.55	3.53	0.30	6.44	120.33	0.00	1.00	3.34	0.00	72.55	4.09	87.88	0.58	16.63	N/A	N/A	N/A	N/A
125	1.25	1.09	22.32	4.00	8.36E-008	1.27E-004	4.00	14.95	0.00	0.00	0.00	24.21	15.00	71.21	3.44	0.30	6.33	119.64	0.00	1.00	3.35	0.00	71.21	4.14	87.36	0.58	16.59	N/A	N/A	N/A	N/A
126	1.26	1.06	20.37	4.00	8.69E-008	1.29E-004	4.00	14.53	0.00	0.00	0.00	23.20	15.00	69.20	3.31	0.30	6.15	117.52	0.00	1.00	3.57	0.00	69.20	4.09	83.81	0.58	16.48	N/A	N/A	N/A	N/A
127	1.27	1.05	19.17	4.00	9.26E-008	1.36E-004	4.00	14.39	0.00	0.00	0.00	22.60	15.00	68.52	3.26	0.30	6.09	116.27	0.00	1.00	3.75	0.00	68.52	4.01	81.29	0.58	16.40	N/A	N/A	N/A	N/A
128	1.28	1.03	17.53	4.00	9.93E-008	1.43E-004	4.00	14.11	0.00	0.00	0.00	21.74	15.00	67.18	3.17	0.30	5.97	114.40	0.00	1.00	4.02	0.00	67.18	3.92	77.91	0.49	16.29	N/A	N/A	N/A	N/A
129	1.29	1.03	17.15	4.00	1.03E-007	1.48E-004	4.00	14.10	0.00	0.00	0.00	21.56	15.00	67.17	3.14	0.30	5.97	114.01	0.00	1.00	4.11	0.00	67.17	3.87	76.98	0.45	16.27	N/A	N/A	N/A	N/A
130	1.30	1.04	16.55	4.00	1.14E-007	1.65E-004	4.00	14.24	0.00	0.00	0.00	21.33	15.00	67.82	3.15	0.30	6.02	113.53	0.00	1.00	4.30	0.00	67.82	3.75	75.21	0.39	16.23	N/A	N/A	N/A	N/A
131	1.31	1.08	16.81	4.00	1.30E-007	1.97E-004	4.00	14.80	0.00	0.00	0.00	21.67	15.00	70.48	3.25	0.30	6.26	114.32	0.00	1.00	4.40	0.00	70.48	3.58	74.74	0.38	16.26	N/A	N/A	N/A	N/A
132	1.32	1.12	16.90	4.00	1.51E-007	2.37E-004	4.00	15.36	0.00	0.00	0.00	21.92	15.00	73.14	3.35	0.30	6.50	114.92	0.00	1.00	4.54	0.00	73.14	3.41	73.90	0.35	16.28	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
133	1.33	1.16	17.81	4.00	1.61E-007	2.61E-004	4.00	15.92	0.00	0.00	0.00	22.56	15.00	75.79	3.44	0.30	6.73	116.33	0.00	1.00	4.47	0.00	75.79	3.34	75.03	0.39	16.36	N/A	N/A	N/A	N/A
134	1.34	1.19	17.97	4.00	1.77E-007	2.94E-004	5.00	16.33	0.00	0.00	0.00	22.79	15.00	77.78	3.51	0.30	6.91	116.85	0.00	1.00	4.54	0.00	77.78	3.24	74.64	0.37	16.38	N/A	N/A	N/A	N/A
135	1.35	1.22	18.29	5.00	1.91E-007	3.26E-004	5.00	16.75	26.00	32.79	20.99	23.10	0.00	0.00	0.00	0.30	0.00	117.51	-0.06	0.00	0.00	0.00	14.40	3.16	74.64	0.37	16.41	N/A	N/A	N/A	N/A
136	1.36	1.33	19.14	5.00	2.56E-007	4.77E-004	5.00	18.29	27.00	32.73	21.73	24.04	0.00	0.00	0.00	0.30	0.00	119.57	-0.06	0.00	0.00	0.00	14.47	2.87	73.98	0.35	16.49	N/A	N/A	N/A	N/A
137	1.37	1.44	19.23	5.00	3.57E-007	7.21E-004	5.00	19.83	28.00	32.54	22.18	24.59	0.00	0.00	0.00	0.30	0.00	120.81	-0.05	0.00	0.00	0.00	14.47	2.57	71.97	0.30	16.53	N/A	N/A	N/A	N/A
138	1.38	1.63	21.00	5.00	5.22E-007	1.20E-003	6.00	22.49	30.00	32.57	23.48	26.26	0.00	0.00	0.00	0.30	0.00	124.29	-0.05	0.00	0.00	0.00	14.59	2.28	72.34	0.31	16.68	N/A	N/A	N/A	N/A
139	1.39	1.69	21.35	5.00	5.93E-007	1.41E-003	6.00	23.32	31.00	32.56	23.80	26.68	0.00	0.00	0.00	0.30	0.00	125.15	-0.05	0.00	0.00	0.00	14.69	2.19	72.18	0.30	16.71	N/A	N/A	N/A	N/A
140	1.40	1.72	22.29	5.00	5.93E-007	1.44E-003	6.00	23.74	31.00	32.68	24.23	27.24	0.00	0.00	0.00	0.30	0.00	126.25	-0.06	0.00	0.00	0.00	14.87	2.19	73.45	0.34	16.77	N/A	N/A	N/A	N/A
141	1.41	1.71	23.93	5.00	5.11E-007	1.23E-003	6.00	23.60	31.00	32.95	24.74	27.95	0.00	0.00	0.00	0.30	0.00	127.58	-0.06	0.00	0.00	0.00	15.13	2.30	76.43	0.43	16.85	N/A	N/A	N/A	N/A
142	1.42	1.68	24.85	5.00	4.43E-007	1.05E-003	6.00	23.18	31.00	33.13	24.93	28.23	0.00	0.00	0.00	0.30	0.00	128.07	-0.07	0.00	0.00	0.00	15.35	2.40	78.50	0.52	16.88	N/A	N/A	N/A	N/A
143	1.43	1.57	26.23	5.00	3.00E-007	6.63E-004	6.00	21.63	30.00	33.52	24.97	28.33	0.00	0.00	0.00	0.30	0.00	128.16	-0.07	0.00	0.00	0.00	15.69	2.72	83.02	0.66	16.92	N/A	N/A	N/A	N/A
144	1.44	1.51	27.24	5.00	2.37E-007	5.03E-004	6.00	20.79	29.00	33.78	25.04	28.47	0.00	0.00	0.00	0.30	0.00	128.37	-0.08	0.00	0.00	0.00	15.96	2.94	86.22	0.67	16.95	N/A	N/A	N/A	N/A
145	1.45	1.41	28.19	4.00	1.66E-007	3.27E-004	5.00	19.39	0.00	0.00	0.00	28.35	15.00	92.33	3.84	0.30	8.20	128.06	0.00	1.00	3.44	0.00	92.33	3.31	90.52	0.58	16.96	N/A	N/A	N/A	N/A
146	1.46	1.36	28.12	4.00	1.42E-007	2.71E-004	5.00	18.69	0.00	0.00	0.00	28.06	15.00	88.99	3.68	0.30	7.90	127.46	0.00	1.00	3.32	0.00	88.99	3.48	91.75	0.58	16.94	N/A	N/A	N/A	N/A
147	1.47	1.27	28.35	4.00	1.04E-007	1.85E-004	5.00	17.42	0.00	0.00	0.00	27.66	15.00	82.97	3.41	0.30	7.37	126.61	0.00	1.00	3.07	0.00	82.97	3.86	94.80	0.58	16.93	N/A	N/A	N/A	N/A
148	1.48	1.22	28.22	4.00	8.80E-008	1.50E-004	5.00	16.72	0.00	0.00	0.00	27.33	15.00	79.63	3.25	0.30	7.07	125.92	0.00	1.00	2.96	0.00	79.63	4.07	96.07	0.58	16.91	N/A	N/A	N/A	N/A
149	1.49	1.19	28.38	4.00	7.81E-008	1.30E-004	5.00	16.30	0.00	0.00	0.00	27.21	15.00	77.61	3.14	0.30	6.89	125.67	0.00	1.00	2.87	0.00	77.61	4.24	97.33	0.58	16.90	N/A	N/A	N/A	N/A
150	1.50	1.13	27.87	4.00	6.44E-008	1.01E-004	5.00	15.46	0.00	0.00	0.00	26.66	15.00	73.60	2.96	0.30	6.54	124.53	0.00	1.00	2.77	0.00	73.60	4.51	98.21	0.58	16.86	N/A	N/A	N/A	N/A
151	1.51	1.10	27.68	4.00	5.79E-008	8.88E-005	5.00	15.03	0.00	0.00	0.00	26.40	15.00	71.59	2.86	0.30	6.36	124.00	0.00	1.00	2.72	0.00	71.59	4.66	98.80	0.58	16.84	N/A	N/A	N/A	N/A
152	1.52	1.08	27.12	4.00	5.55E-008	8.34E-005	5.00	14.75	0.00	0.00	0.00	26.06	15.00	70.24	2.79	0.30	6.24	123.31	0.00	1.00	2.72	0.00	70.24	4.73	98.28	0.58	16.81	N/A	N/A	N/A	N/A
153	1.53	1.06	25.19	4.00	5.85E-008	8.62E-005	4.00	14.47	0.00	0.00	0.00	25.18	15.00	68.90	2.72	0.30	6.12	121.54	0.00	1.00	2.87	0.00	68.90	4.65	94.80	0.58	16.72	N/A	N/A	N/A	N/A
154	1.54	1.05	24.15	4.00	6.05E-008	8.84E-005	4.00	14.33	0.00	0.00	0.00	24.70	15.00	68.22	2.67	0.30	6.06	120.57	0.00	1.00	2.97	0.00	68.22	4.60	92.85	0.58	16.67	N/A	N/A	N/A	N/A
155	1.55	1.04	23.30	4.00	6.18E-008	8.94E-005	4.00	14.18	0.00	0.00	0.00	24.29	15.00	67.54	2.63	0.30	6.00	119.73	0.00	1.00	3.04	0.00	67.54	4.56	91.29	0.58	16.62	N/A	N/A	N/A	N/A
156	1.56	1.01	21.57	4.00	6.24E-008	8.75E-005	4.00	13.76	0.00	0.00	0.00	23.39	15.00	65.53	2.53	0.30	5.82	117.84	0.00	1.00	3.19	0.00	65.53	4.55	88.32	0.58	16.52	N/A	N/A	N/A	N/A
157	1.57	1.01	20.56	4.00	6.78E-008	9.52E-005	4.00	13.76	0.00	0.00	0.00	22.96	15.00	65.52	2.52	0.30	5.82	116.94	0.00	1.00	3.35	0.00	65.52	4.43	85.96	0.58	16.47	N/A	N/A	N/A	N/A
158	1.58	1.02	18.38	4.00	8.59E-008	1.22E-004	4.00	13.90	0.00	0.00	0.00	22.05	15.00	66.18	2.53	0.30	5.88	115.04	0.00	1.00	3.78	0.00	66.18	4.11	80.44	0.58	16.34	N/A	N/A	N/A	N/A
159	1.59	1.03	17.78	4.00	9.48E-008	1.36E-004	4.00	14.03	0.00	0.00	0.00	21.83	15.00	66.83	2.54	0.30	5.94	114.58	0.00	1.00	3.95	0.00	66.83	3.98	78.68	0.52	16.31	N/A	N/A	N/A	N/A
160	1.60	1.04	17.09	4.00	1.06E-007	1.53E-004	4.00	14.17	0.00	0.00	0.00	21.56	15.00	67.49	2.54	0.30	5.99	114.02	0.00	1.00	4.15	0.00	67.49	3.84	76.69	0.44	16.27	N/A	N/A	N/A	N/A
161	1.61	1.06	17.40	4.00	1.11E-007	1.64E-004	4.00	14.45	0.00	0.00	0.00	21.81	15.00	68.81	2.58	0.30	6.11	114.60	0.00	1.00	4.15	0.00	68.81	3.77	76.89	0.45	16.30	N/A	N/A	N/A	N/A
162	1.62	1.12	16.90	4.00	1.48E-007	2.31E-004	4.00	15.29	0.00	0.00	0.00	21.90	15.00	72.80	2.71	0.30	6.47	114.85	0.00	1.00	4.52	0.00	72.80	3.43	74.03	0.36	16.28	N/A	N/A	N/A	N/A
163	1.63	1.18	16.71	5.00	1.89E-007	3.11E-004	4.00	16.13	25.00	32.55	20.24	22.11	0.00	0.00	0.00	0.30	0.00	115.39	-0.05	0.00	0.00	0.00	17.24	3.17	72.06	0.30	16.29	N/A	N/A	N/A	N/A
164	1.64	1.30	16.90	5.00	2.81E-007	5.11E-004	5.00	17.80	27.00	32.33	20.79	22.79	0.00	0.00	0.00	0.30	0.00	116.96	-0.05	0.00	0.00	0.00	17.20	2.78	69.81	0.25	16.34	N/A	N/A	N/A	N/A
165	1.65	1.36	17.28	5.00	3.29E-007	6.25E-004	5.00	18.64	27.00	32.29	21.16	23.25	0.00	0.00	0.00	0.30	0.00	118.00	-0.05	0.00	0.00	0.00	17.28	2.64	69.46	0.24	16.38	N/A	N/A	N/A	N/A
166	1.66	1.39	17.22	5.00	3.63E-007	7.06E-004	5.00	19.06	28.00	32.23	21.25	23.36	0.00	0.00	0.00	0.30	0.00	118.25	-0.05	0.00	0.00	0.00	17.34	2.56	68.78	0.23	16.39	N/A	N/A	N/A	N/A
167	1.67	1.41	17.66	5.00	3.70E-007	7.30E-004	5.00	19.34	28.00	32.28	21.49	23.67	0.00	0.00	0.00	0.30	0.00	118.90	-0.05	0.00	0.00	0.00	17.48	2.54	69.36	0.24	16.42	N/A	N/A	N/A	N/A
168	1.68	1.41	17.66	5.00	3.70E-007	7.30E-004	5.00	19.34	28.00	32.28	21.49	23.67	0.00	0.00	0.00	0.30	0.00	118.90	-0.05	0.00	0.00	0.00	17.58	2.54	69.36	0.24	16.42	N/A	N/A	N/A	N/A
169	1.69	1.40	17.97	5.00	3.49E-007	6.82E-004	5.00	19.19	28.00	32.37	21.56	23.77	0.00	0.00	0.00	0.30	0.00	119.11	-0.05	0.00	0.00	0.00	17.74	2.59	70.20	0.26	16.44	N/A	N/A	N/A	N/A
170	1.70	1.37	17.75	5.00	3.24E-007	6.20E-004	5.00	18.77	27.00	32.38	21.37	23.53	0.00	0.00	0.00	0.30	0.00	118.57	-0.05	0.00	0.00	0.00	17.86	2.66	70.30	0.26	16.42	N/A	N/A	N/A	N/A
171	1.71	1.34	17.53	5.00	3.01E-007	5.62E-004	5.00	18.35	27.00	32.39	21.17	23.28	0.00	0.00	0.00	0.30	0.00	118.03	-0.05	0.00	0.00	0.00	17.97	2.72	70.41	0.26	16.39	N/A	N/A	N/A	N/A
172	1.72	1.27	17.72	5.00	2.34E-007	4.14E-004	5.00	17.37	26.00	32.57	20.97	23.04	0.00	0.00	0.00	0.30	0.00	117.45	-0.05	0.00	0.00	0.00	18.20	2.95	72.32	0.31	16.39	N/A	N/A	N/A	N/A
173	1.73	1.24	17.81	5.00	2.09E-007	3.61E-004	5.00	16.94	26.00	32.66	20.88	22.94	0.00	0.00	0.00	0.30	0.00	117.20	-0.06	0.00	0.00	0.00	18.36	3.06	73.22	0.33	16.38	N/A	N/A	N/A	N/A
174	1.74	1.23	17.81	5.00	2.02E-007	3.46E-004	5.00	16.80	26.00	32.68	20.83	22.89	0.00	0.00	0.00	0.30	0.00	117.08	-0.06	0.00	0.00	0.00	18.49	3.10	73.46	0.34	16.38	N/A	N/A	N/A	N/A
175	1.75	1.18	18.16	4.00	1.63E-007	2.68E-004	5.00	16.10	0.00	0.00	0.00	22.80	15.00	76.66	2.65	0.30	6.81	116.83	0.00	1.00	4.43	0.00	76.66	3.33	75.51	0.40	16.39	N/A	N/A	N/A	N/A
176	1.76	1.15	18.13	4.00	1.46E-007	2.34E-004	4.00	15.68	0.00	0.00	0.00	22.63	15.00	74.65	2.56	0.30	6.63	116.44	0.00	1.00	4.32	0.00	74.65	3.45	76.23	0.43	16.37	N/A	N/A	N/A	N/A
177	1.77	1.09	18.44	4.00	1.13E-007	1.70E-004	4.00	14.83	0.00	0.00	0.00	22.45	15.00	70.64	2.41	0.30	6.27	115.98	0.00	1.00	4.02	0.00	70.64	3.76	78.62	0.52	16.37	N/A	N/A	N/A	N/A
178	1.78	1.05	18.73	4.00	9.31E-008	1.35E-004	4.00	14.27	0.00	0.00	0.00	22.36	15.00	67.96	2.31	0.30	6.04	115.73	0.00	1.00	3.81	0.00	67.96	4.00	80.49	0.58	16.38	N/A	N/A	N/A	N/A
179	1.79	1.01	18.92	4.00	7.72E-008	1.08E-004	4.00	13.71	0.00	0.00	0.00	22.22	15.00	65.28	2.20	0.30	5.80	115.37	0.00	1.00	3.62	0.00	65.28	4.25	82.16	0.58	16.37	N/A	N/A	N/A	N/A
180	1.80	0.97	18.60	4.00	6.66E-008	8.92E-005	4.00	13.15	0.00	0.00	0.00	21.83	15.00	62.60	2.10	0.30	5.56	114.50	0.00	1.00	3.53	0.00	62.60	4.46	82.63	0.58	16.34	N/A	N/A	N/A	N/A
181	1.81	0.97	18.38	4.00	6.79E-008	9.10E-005	4.00	13.14	0.00	0.00	0.00	21.73	15.00	62.59	2.09	0.30	5.56	114.28	0.00	1.00	3.58	0.00	62.59	4.43	82.09	0.58	16.32	N/A	N/A	N/A	N/A
182	1.82	0.98	17.18	4.00	7.96E-008	1.08E-004	4.00	13.28	0.00	0.00	0.00	21.24	15.00	63.24	2.10	0.30	5.62	113.24	0.00	1.00	3.87	0.00	63.24	4.21	78.80	0.53	16.25	N/A	N/A	N/A	N/A
183	1.83	0.97	16.71	4.00	7.98E-008	1.07E-004	4.00	13.14	0.00	0.00	0.00	20.96	15.00	62.57	2.07	0.30	5.56	112.61	0.00	1.00	3.93	0.00	62.57	4.21	77.91	0.49	16.22	N/A	N/A	N/A	N/A
184	1.84	0.98	17.34	4.00	7.83E-008	1.06E-004	4.00	13.28	0.00	0.00	0.00	21.31	15.00	63.23	2.08	0.30	5.62	113.39	0.00	1.00	3.83	0.00	63.23	4.23	79.21	0.55	16.26	N/A	N/A	N/A	N/A
185	1.85	0.99	17.78	4.00	7.84E-008	1.07E-004	4.00	13.42	0.00	0.00	0.00	21.58	15.00	63.88	2.09	0.30	5.67	113.97	0.00	1.00	3.77	0.00	63.88	4.23	80.01	0.58	16.29	N/A	N/A	N/A	N/A
186	1.86	1.00	17.47	4.00	8.43E-008	1.16E-004	4.00	13.55	0.00	0.00	0.00	21.49	15.00	64.54	2.10	0.30	5.73	113.80	0.00	1.00	3.88	0.00	64.54	4.13	78.94	0.53	16.28	N/A	N/A	N/A	N/A
187	1.87	1.05	17.12	4.00	1.08E-007	1.57E-004	4.00	14.25	0.00	0.00	0.00	21.61	15.00	67.86	2.19	0.30	6.03	114.12	0.00	1.00	4.16	0.00	67.86	3.81	76.61	0.44	16.27	N/A	N/A	N/A	N/A
188	1.88	1.07	16.81	4.00	1.21E-007	1.79E-004	4.00	14.53	0.00	0.00	0.00	21.57	15.00	69.18	2.22	0.30	6.15	114.07	0.00	1.00	4.32	0.00	69.18	3.68	75.28	0.39	16.26	N/A	N/A	N/A	N/A
189	1.89	1.07	16.81	4.00	1.21E-007	1.79E-004	4.00	14.53	0.00	0.00	0.00	21.57	15.00	69.17	2.21	0.30	6.14	114.07	0.00	1.00	4.32	0.00	69.17	3.68	75.28	0.39	16.26	N/A	N/A	N/A	N/A
190	1.90	1.07	16.81	4.00	1.20E-007	1.78E-004	4.00	14.52	0.00	0.00	0.00	21.56	15.00	69.16	2.20	0.30	6.14	114.06	0.00	1.00	4.32	0.00	69.16	3.68	75.29	0.39	16.26	N/A	N/A	N/A	N/A
191	1.91	1.12	12.27	5.00	2.44E-007	3.78E-004	4.00	15.22	25.00	31.57	18.24	19.47	0.00	0.00	0.00	0.30	0.00	109.54	-0.03	0.00	0.00	0.00	19.41	2.91	62.54	0.14	15.91	N/A	N/A	N/A	N/A
192	1.92	1.19	11.82	5.00	3.35E-007	5.53E-004	4.00	16.20	26.00	31.29	18.33	19.54	0.00	0.00	0.00	0.30	0.00	109.82	-0.03	0.00	0.00	0.00	19.29	2.63	60.01	0.11	15.90	N/A	N/A	N/A	N/A
193	1.93	1.22	11.35	5.00	3.96E-007	6.70E-004	4.00	16.61	26.00	31.09	18.24	19.40	0.00	0.00	0.00	0.30	0.00	109.55	-0.02	0.00	0.00	0.00	19.24	2.49	58.34	0.10	15.86	N/A	N/A	N/A	N/A
194	1.94	1.30	11.35	5.00	5.18E-007	9.37E-004	4.00	17.73	27.00	30.95	18.54	19.75	0.00	0.00	0.00	0.30	0.00	110.45	-0.02	0.00	0.00	0.00	19.23	2.29	57.18	0.09	15.88	N/A	N/A	N/A	N/A
195	1.95	1.36	11.63	5.00	6.05E-007	1.15E-003	5.00	18.57	27.00	30.95	18.88	20.17	0.00	0.00	0.00	0.30	0.00	111.46	-0.02	0.00	0.00	0.00	19.32	2.18	57.10	0.09	15.93	N/A	N/A	N/A	N/A
196	1.96	1.52	12.20	5.00	9.03E-007	1.91E-003	5.00	20.81	29.00	30.92	19.68	21.15	0.00	0.00	0.00	0.30	0.00	113.79	-0.02	0.00	0.00	0.00	19.40	1.94	56.93	0.09	16.03	N/A	N/A	N/A	N/A
197	1.97	1.62	12.58	5.00	1.13E-006	2.56E-003	5.00	22.21	30.00	30.95	20.17	21.76	0.00	0.00	0.00	0.30	0.00	115.20	-0.02	0.00	0.00	0.00	19.52	1.83	57.17	0.09	16.09	N/A	N/A	N/A	N/A
198	1.98	1.82	12.96	5.00	1.77E-006	4.50E-003	6.00	25.01	32.00	31.02	20.95	22.71	0.00	0.00	0.00	0.30	0.00	117.40	-0.02	0.00	0.00	0.00	19.66	1.64	57.71	0.09	16.16	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
199	1.99	1.92	14.63	5.00	1.84E-006	5.16E-003	6.00	27.51	33.00	31.33	21.95	24.03	0.00	0.00	0.00	0.30	0.00	120.17	-0.03	0.00	0.00	0.00	20.01	1.62	60.36	0.12	16.32	N/A	N/A	N/A	N/A
200	2.00	1.99	17.88	5.00	1.56E-006	4.36E-003	6.00	27.38	33.00	31.83	23.45	26.06	0.00	0.00	0.00	0.30	0.00	124.21	-0.04	0.00	0.00	0.00	20.51	1.68	64.98	0.17	16.57	N/A	N/A	N/A	N/A
201	2.01	2.06	23.40	5.00	1.16E-006	3.34E-003	7.00	28.36	34.00	32.59	25.64	29.05	0.00	0.00	0.00	0.30	0.00	129.90	-0.05	0.00	0.00	0.00	21.23	1.81	72.54	0.31	16.89	N/A	N/A	N/A	N/A
202	2.02	2.06	26.83	5.00	9.10E-007	2.63E-003	7.00	28.36	34.00	33.04	26.78	30.62	0.00	0.00	0.00	0.30	0.00	132.73	-0.06	0.00	0.00	0.00	21.70	1.94	77.39	0.47	17.05	N/A	N/A	N/A	N/A
203	2.03	2.05	29.73	5.00	7.41E-007	2.13E-003	7.00	28.21	34.00	33.41	27.65	31.83	0.00	0.00	0.00	0.30	0.00	134.88	-0.07	0.00	0.00	0.00	22.12	2.05	81.67	0.66	17.16	N/A	N/A	N/A	N/A
204	2.04	2.03	36.48	5.00	4.86E-007	1.39E-003	7.00	27.93	34.00	34.22	29.54	34.47	0.00	0.00	0.00	0.30	0.00	139.42	-0.09	0.00	0.00	0.00	22.93	2.33	91.87	0.68	17.40	N/A	N/A	N/A	N/A
205	2.05	2.00	39.00	5.00	4.02E-007	1.13E-003	7.00	27.51	33.00	34.53	30.12	35.29	0.00	0.00	0.00	0.30	0.00	140.78	-0.09	0.00	0.00	0.00	23.32	2.48	96.14	0.69	17.47	N/A	N/A	N/A	N/A
206	2.06	1.92	43.54	5.00	2.72E-007	7.31E-004	7.00	26.39	33.00	35.11	31.01	36.56	0.00	0.00	0.00	0.30	0.00	142.84	-0.11	0.00	0.00	0.00	23.95	2.81	104.64	0.70	17.58	N/A	N/A	N/A	N/A
207	2.07	1.91	44.84	4.00	2.51E-007	6.71E-004	7.00	26.24	0.00	0.00	0.00	36.96	15.00	124.98	3.65	0.30	11.10	143.49	0.00	1.00	2.93	0.00	124.98	2.89	106.87	0.58	17.61	N/A	N/A	N/A	N/A
208	2.08	1.89	45.50	4.00	2.33E-007	6.15E-004	7.00	25.96	0.00	0.00	0.00	37.09	15.00	123.63	3.59	0.30	10.98	143.69	0.00	1.00	2.85	0.00	123.63	2.96	108.35	0.58	17.62	N/A	N/A	N/A	N/A
209	2.09	1.86	46.92	4.00	2.04E-007	5.31E-004	7.00	25.54	0.00	0.00	0.00	37.42	15.00	121.62	3.52	0.30	10.80	144.21	0.00	1.00	2.72	0.00	121.62	3.09	111.28	0.58	17.65	N/A	N/A	N/A	N/A
210	2.10	1.85	47.42	4.00	1.95E-007	5.05E-004	7.00	25.40	0.00	0.00	0.00	37.54	15.00	120.94	3.48	0.30	10.74	144.40	0.00	1.00	2.68	0.00	120.94	3.14	112.31	0.58	17.66	N/A	N/A	N/A	N/A
211	2.11	1.83	48.30	4.00	1.79E-007	4.59E-004	7.00	25.11	0.00	0.00	0.00	37.73	15.00	119.59	3.42	0.30	10.62	144.69	0.00	1.00	2.60	0.00	119.59	3.22	114.19	0.58	17.68	N/A	N/A	N/A	N/A
212	2.12	1.83	48.84	4.00	1.75E-007	4.49E-004	7.00	25.11	0.00	0.00	0.00	37.91	15.00	119.58	3.40	0.30	10.62	144.98	0.00	1.00	2.57	0.00	119.58	3.25	115.03	0.58	17.69	N/A	N/A	N/A	N/A
213	2.13	1.83	48.15	4.00	1.80E-007	4.61E-004	7.00	25.11	0.00	0.00	0.00	37.68	15.00	119.57	3.39	0.30	10.62	144.61	0.00	1.00	2.61	0.00	119.57	3.22	113.97	0.58	17.68	N/A	N/A	N/A	N/A
214	2.14	1.84	45.97	4.00	2.02E-007	5.20E-004	7.00	25.25	0.00	0.00	0.00	37.00	15.00	120.23	3.39	0.30	10.68	143.50	0.00	1.00	2.75	0.00	120.23	3.10	110.33	0.58	17.62	N/A	N/A	N/A	N/A
215	2.15	1.85	40.74	5.00	2.62E-007	6.78E-004	7.00	25.39	32.00	34.93	30.03	35.22	0.00	0.00	0.00	0.30	0.00	140.57	-0.10	0.00	0.00	0.00	24.90	2.85	101.90	0.70	17.49	N/A	N/A	N/A	N/A
216	2.16	1.85	38.15	5.00	2.97E-007	7.68E-004	7.00	25.38	32.00	34.65	29.36	34.28	0.00	0.00	0.00	0.30	0.00	138.98	-0.10	0.00	0.00	0.00	24.76	2.73	97.79	0.69	17.41	N/A	N/A	N/A	N/A
217	2.17	1.86	34.56	5.00	3.66E-007	9.53E-004	7.00	25.52	32.00	34.22	28.41	32.97	0.00	0.00	0.00	0.30	0.00	136.73	-0.09	0.00	0.00	0.00	24.48	2.55	91.86	0.68	17.30	N/A	N/A	N/A	N/A
218	2.18	1.87	32.48	5.00	4.21E-007	1.10E-003	7.00	25.66	32.00	33.95	27.86	32.20	0.00	0.00	0.00	0.30	0.00	135.39	-0.08	0.00	0.00	0.00	24.35	2.44	88.35	0.67	17.23	N/A	N/A	N/A	N/A
219	2.19	1.90	29.98	5.00	5.22E-007	1.39E-003	7.00	26.08	32.00	33.59	27.23	31.31	0.00	0.00	0.00	0.30	0.00	133.85	-0.07	0.00	0.00	0.00	24.14	2.28	83.90	0.66	17.15	N/A	N/A	N/A	N/A
220	2.20	1.97	27.34	5.00	7.21E-007	1.99E-003	7.00	27.05	33.00	33.17	26.65	30.48	0.00	0.00	0.00	0.30	0.00	132.41	-0.07	0.00	0.00	0.00	23.87	2.07	78.95	0.53	17.05	N/A	N/A	N/A	N/A
221	2.21	2.03	27.71	5.00	8.01E-007	2.28E-003	7.00	27.89	34.00	33.17	26.95	30.88	0.00	0.00	0.00	0.30	0.00	133.17	-0.07	0.00	0.00	0.00	23.98	2.01	78.93	0.53	17.08	N/A	N/A	N/A	N/A
222	2.22	2.08	28.28	5.00	8.58E-007	2.50E-003	7.00	28.59	34.00	33.21	27.29	31.32	0.00	0.00	0.00	0.30	0.00	133.99	-0.07	0.00	0.00	0.00	24.13	1.97	79.34	0.55	17.11	N/A	N/A	N/A	N/A
223	2.23	2.16	29.51	5.00	9.35E-007	2.83E-003	7.00	29.71	35.00	33.30	27.91	32.16	0.00	0.00	0.00	0.30	0.00	135.52	-0.07	0.00	0.00	0.00	24.33	1.92	80.47	0.61	17.18	N/A	N/A	N/A	N/A
224	2.24	2.17	29.95	5.00	9.29E-007	2.83E-003	7.00	29.84	35.00	33.35	28.08	32.38	0.00	0.00	0.00	0.30	0.00	135.92	-0.07	0.00	0.00	0.00	24.48	1.92	81.00	0.63	17.20	N/A	N/A	N/A	N/A
225	2.25	2.16	31.37	5.00	8.37E-007	2.53E-003	7.00	29.70	35.00	33.52	28.48	32.94	0.00	0.00	0.00	0.30	0.00	136.89	-0.07	0.00	0.00	0.00	24.76	1.98	83.02	0.66	17.25	N/A	N/A	N/A	N/A
226	2.26	2.15	32.57	5.00	7.65E-007	2.31E-003	7.00	29.56	35.00	33.66	28.80	33.40	0.00	0.00	0.00	0.30	0.00	137.67	-0.08	0.00	0.00	0.00	25.01	2.03	84.78	0.67	17.29	N/A	N/A	N/A	N/A
227	2.27	2.16	33.77	5.00	7.30E-007	2.21E-003	7.00	29.70	35.00	33.79	29.19	33.93	0.00	0.00	0.00	0.30	0.00	138.58	-0.08	0.00	0.00	0.00	25.24	2.06	86.35	0.67	17.33	N/A	N/A	N/A	N/A
228	2.28	2.17	35.09	5.00	6.93E-007	2.11E-003	7.00	29.84	35.00	33.93	29.60	34.49	0.00	0.00	0.00	0.30	0.00	139.55	-0.08	0.00	0.00	0.00	25.49	2.09	88.08	0.67	17.38	N/A	N/A	N/A	N/A
229	2.29	2.18	36.01	5.00	6.74E-007	2.06E-003	7.00	29.97	35.00	34.02	29.89	34.90	0.00	0.00	0.00	0.30	0.00	140.23	-0.08	0.00	0.00	0.00	25.70	2.11	89.25	0.67	17.41	N/A	N/A	N/A	N/A
230	2.30	2.19	37.24	5.00	6.45E-007	1.98E-003	7.00	30.11	35.00	34.14	30.26	35.42	0.00	0.00	0.00	0.30	0.00	141.11	-0.09	0.00	0.00	0.00	25.93	2.14	90.83	0.68	17.45	N/A	N/A	N/A	N/A
231	2.31	2.19	37.58	5.00	6.34E-007	1.94E-003	7.00	30.11	35.00	34.17	30.36	35.55	0.00	0.00	0.00	0.30	0.00	141.33	-0.09	0.00	0.00	0.00	26.08	2.15	91.31	0.68	17.46	N/A	N/A	N/A	N/A
232	2.32	2.18	37.62	5.00	6.20E-007	1.89E-003	7.00	29.97	35.00	34.19	30.34	35.52	0.00	0.00	0.00	0.30	0.00	141.28	-0.09	0.00	0.00	0.00	26.22	2.17	91.49	0.68	17.46	N/A	N/A	N/A	N/A
233	2.33	2.17	37.58	5.00	6.08E-007	1.85E-003	7.00	29.82	35.00	34.19	30.29	35.47	0.00	0.00	0.00	0.30	0.00	141.18	-0.09	0.00	0.00	0.00	26.34	2.18	91.56	0.68	17.46	N/A	N/A	N/A	N/A
234	2.34	2.15	37.14	5.00	5.97E-007	1.80E-003	7.00	29.54	34.00	34.17	30.10	35.21	0.00	0.00	0.00	0.30	0.00	140.74	-0.09	0.00	0.00	0.00	26.43	2.19	91.20	0.68	17.44	N/A	N/A	N/A	N/A
235	2.35	2.12	36.13	5.00	5.92E-007	1.76E-003	7.00	29.12	34.00	34.09	29.73	34.69	0.00	0.00	0.00	0.30	0.00	139.85	-0.09	0.00	0.00	0.00	26.47	2.20	90.16	0.68	17.40	N/A	N/A	N/A	N/A
236	2.36	2.11	35.91	5.00	5.86E-007	1.73E-003	7.00	28.98	34.00	34.07	29.63	34.57	0.00	0.00	0.00	0.30	0.00	139.63	-0.08	0.00	0.00	0.00	26.57	2.20	89.98	0.68	17.39	N/A	N/A	N/A	N/A
237	2.37	2.11	35.16	5.00	6.09E-007	1.80E-003	7.00	28.97	34.00	33.99	29.42	34.27	0.00	0.00	0.00	0.30	0.00	139.13	-0.08	0.00	0.00	0.00	26.61	2.18	88.90	0.67	17.37	N/A	N/A	N/A	N/A
238	2.38	2.13	34.97	5.00	6.41E-007	1.91E-003	7.00	29.25	34.00	33.95	29.43	34.28	0.00	0.00	0.00	0.30	0.00	139.15	-0.08	0.00	0.00	0.00	26.69	2.14	88.39	0.67	17.37	N/A	N/A	N/A	N/A
239	2.39	2.13	34.40	5.00	6.61E-007	1.97E-003	7.00	29.25	34.00	33.89	29.27	34.05	0.00	0.00	0.00	0.30	0.00	138.77	-0.08	0.00	0.00	0.00	26.74	2.12	87.58	0.67	17.35	N/A	N/A	N/A	N/A
240	2.40	2.14	34.34	5.00	6.76E-007	2.03E-003	7.00	29.39	34.00	33.87	29.28	34.07	0.00	0.00	0.00	0.30	0.00	138.80	-0.08	0.00	0.00	0.00	26.84	2.11	87.39	0.67	17.35	N/A	N/A	N/A	N/A
241	2.41	2.14	32.95	5.00	7.30E-007	2.19E-003	7.00	29.38	34.00	33.72	28.88	33.51	0.00	0.00	0.00	0.30	0.00	137.84	-0.08	0.00	0.00	0.00	26.80	2.06	85.43	0.67	17.30	N/A	N/A	N/A	N/A
242	2.42	2.12	32.51	5.00	7.18E-007	2.13E-003	7.00	29.10	34.00	33.68	28.68	33.25	0.00	0.00	0.00	0.30	0.00	137.38	-0.08	0.00	0.00	0.00	26.88	2.07	85.02	0.67	17.28	N/A	N/A	N/A	N/A
243	2.43	2.06	32.16	5.00	6.46E-007	1.86E-003	7.00	28.26	34.00	33.70	28.39	32.86	0.00	0.00	0.00	0.30	0.00	136.67	-0.08	0.00	0.00	0.00	27.01	2.14	85.18	0.67	17.26	N/A	N/A	N/A	N/A
244	2.44	2.03	32.54	5.00	5.93E-007	1.68E-003	7.00	27.84	33.00	33.77	28.40	32.89	0.00	0.00	0.00	0.30	0.00	136.70	-0.08	0.00	0.00	0.00	27.20	2.19	86.11	0.67	17.27	N/A	N/A	N/A	N/A
245	2.45	1.99	32.26	5.00	5.53E-007	1.54E-003	7.00	27.27	33.00	33.78	28.19	32.61	0.00	0.00	0.00	0.30	0.00	136.19	-0.08	0.00	0.00	0.00	27.33	2.24	86.23	0.67	17.25	N/A	N/A	N/A	N/A
246	2.46	1.91	32.48	5.00	4.56E-007	1.22E-003	7.00	26.15	32.00	33.90	27.98	32.35	0.00	0.00	0.00	0.30	0.00	135.69	-0.08	0.00	0.00	0.00	27.57	2.38	87.77	0.67	17.24	N/A	N/A	N/A	N/A
247	2.47	1.87	32.48	5.00	4.16E-007	1.08E-003	7.00	25.59	32.00	33.95	27.84	32.18	0.00	0.00	0.00	0.30	0.00	135.35	-0.08	0.00	0.00	0.00	27.74	2.45	88.43	0.67	17.23	N/A	N/A	N/A	N/A
248	2.48	1.82	32.54	5.00	3.68E-007	9.34E-004	6.00	24.89	32.00	34.03	27.68	31.98	0.00	0.00	0.00	0.30	0.00	134.96	-0.08	0.00	0.00	0.00	27.93	2.55	89.43	0.68	17.22	N/A	N/A	N/A	N/A
249	2.49	1.80	32.41	5.00	3.53E-007	8.86E-004	6.00	24.60	31.00	34.04	27.57	31.84	0.00	0.00	0.00	0.30	0.00	134.69	-0.08	0.00	0.00	0.00	28.06	2.58	89.60	0.68	17.21	N/A	N/A	N/A	N/A
250	2.50	1.78	32.76	5.00	3.30E-007	8.17E-004	6.00	24.32	31.00	34.12	27.60	31.88	0.00	0.00	0.00	0.30	0.00	134.76	-0.09	0.00	0.00	0.00	28.26	2.64	90.57	0.68	17.22	N/A	N/A	N/A	N/A
251	2.51	1.78	32.57	5.00	3.33E-007	8.26E-004	6.00	24.32	31.00	34.10	27.55	31.81	0.00	0.00	0.00	0.30	0.00	134.63	-0.09	0.00	0.00	0.00	28.35	2.63	90.26	0.68	17.22	N/A	N/A	N/A	N/A
252	2.52	1.78	31.91	5.00	3.46E-007	8.57E-004	6.00	24.32	31.00	34.01	27.36	31.54	0.00	0.00	0.00	0.30	0.00	134.16	-0.08	0.00	0.00	0.00	28.38	2.60	89.16	0.67	17.19	N/A	N/A	N/A	N/A
253	2.53	1.79	30.55	5.00	3.84E-007	9.57E-004	6.00	24.45	31.00	33.82	27.00	31.04	0.00	0.00	0.00	0.30	0.00	133.28	-0.08	0.00	0.00	0.00	28.29	2.51	86.71	0.67	17.14	N/A	N/A	N/A	N/A
254	2.54	1.80	29.80	5.00	4.08E-007	1.02E-003	6.00	24.59	31.00	33.70	26.86	30.83	0.00	0.00	0.00	0.30	0.00	132.93	-0.08	0.00	0.00	0.00	28.27	2.47	85.21	0.67	17.12	N/A	N/A	N/A	N/A
255	2.55	1.85	29.57	5.00	4.56E-007	1.18E-003	6.00	25.29	32.00	33.59	27.06	31.07	0.00	0.00	0.00	0.30	0.00	133.43	-0.07	0.00	0.00	0.00	28.27	2.38	83.85	0.66	17.12	N/A	N/A	N/A	N/A
256	2.56	1.87	29.45	5.00	4.76E-007	1.24E-003	7.00	25.57	32.00	33.54	27.15	31.17	0.00	0.00	0.00	0.30	0.00	133.66	-0.07	0.00	0.00	0.00	28.33	2.35	83.25	0.66	17.12	N/A	N/A	N/A	N/A
257	2.57	1.97	30.17	5.00	5.57E-007	1.53E-003	7.00	26.97	33.00	33.50	27.83	32.04	0.00	0.00	0.00	0.30	0.00	135.32	-0.07	0.00	0.00	0.00	28.40	2.24	82.75	0.66	17.17	N/A	N/A	N/A	N/A
258	2.58	2.00	29.92	5.00	5.95E-007	1.66E-003	7.00	27.38	33.00	33.42	27.93	32.15	0.00	0.00	0.00	0.30	0.00	135.56	-0.07	0.00	0.00	0.00	28.43	2.19	81.87	0.66	17.16	N/A	N/A	N/A	N/A
259	2.59	2.04	30.43	5.00	6.21E-007	1.77E-003	7.00	27.94	33.00	33.44	28.28	32.60	0.00	0.00	0.00	0.30	0.00	136.40	-0.07	0.00	0.00	0.00	28.56	2.16	82.05	0.66	17.19	N/A	N/A	N/A	N/A
260	2.60	2.03	30.80	5.00	5.93E-007	1.68E-003	7.00	27.80	33.00	33.49	28.37	32.73	0.00	0.00	0.00	0.30	0.00	136.61	-0.07	0.00	0.00	0.00	28.74	2.19	82.70	0.66	17.20	N/A	N/A	N/A	N/A
261	2.61	2.02	31.18	5.00	5.66E-007	1.60E-003	7.00	27.66	33.00	33.55	28.46	32.85	0.00	0.00	0.00	0.30	0.00	136.83	-0.07	0.00	0.00	0.00	28.91	2.23	83.37	0.66	17.21	N/A	N/A	N/A	N/A
262	2.62	1.99	31.91	5.00	5.11E-007	1.42E-003	7.00	27.23	32.00	33.67	28.55	33.01	0.00	0.00	0.00	0.30	0.00	137.06	-0.08	0.00	0.00	0.00	29.16	2.30	84.91	0.67	17.23	N/A	N/A	N/A	N/A
263	2.63	1.97	32.13	5.00	4.82E-007	1.32E-003	7.00	26.95	32.00	33.72	28.55	33.01	0.00	0.00	0.00	0.30	0.00	137.07	-0.08	0.00	0.00	0.00	29.33	2.34	85.53	0.67	17.24	N/A	N/A	N/A	N/A
264	2.64	1.95	31.85	5.00	4.66E-007	1.27E-003	7.00	26.67	32.00	33.71	28.42	32.83	0.00	0.00	0.00	0.30	0.00	136.75	-0.08	0.00	0.00	0.00	29.43	2.36	85.37	0.67	17.23	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
265	2.65	1.90	32.16	5.00	4.12E-007	1.09E-003	7.00	25.97	32.00	33.82	28.31	32.70	0.00	0.00	0.00	0.30	0.00	136.47	-0.08	0.00	0.00	0.00	29.67	2.46	86.71	0.67	17.23	N/A	N/A	N/A	N/A
266	2.66	1.88	32.57	5.00	3.84E-007	1.01E-003	7.00	25.68	32.00	33.90	28.35	32.78	0.00	0.00	0.00	0.30	0.00	136.58	-0.08	0.00	0.00	0.00	29.87	2.51	87.70	0.67	17.24	N/A	N/A	N/A	N/A
267	2.67	1.84	33.58	5.00	3.33E-007	8.52E-004	7.00	25.12	31.00	34.08	28.46	32.95	0.00	0.00	0.00	0.30	0.00	136.84	-0.09	0.00	0.00	0.00	30.20	2.63	90.12	0.68	17.26	N/A	N/A	N/A	N/A
268	2.68	1.81	33.58	5.00	3.10E-007	7.80E-004	7.00	24.70	31.00	34.13	28.35	32.81	0.00	0.00	0.00	0.30	0.00	136.57	-0.09	0.00	0.00	0.00	30.37	2.70	90.71	0.68	17.26	N/A	N/A	N/A	N/A
269	2.69	1.78	33.71	5.00	2.86E-007	7.08E-004	6.00	24.28	31.00	34.19	28.27	32.71	0.00	0.00	0.00	0.30	0.00	136.37	-0.09	0.00	0.00	0.00	30.56	2.77	91.55	0.68	17.26	N/A	N/A	N/A	N/A
270	2.70	1.73	33.64	5.00	2.55E-007	6.12E-004	6.00	23.57	30.00	34.27	28.03	32.42	0.00	0.00	0.00	0.30	0.00	135.81	-0.09	0.00	0.00	0.00	30.76	2.87	92.54	0.68	17.24	N/A	N/A	N/A	N/A
271	2.71	1.72	33.48	5.00	2.49E-007	5.95E-004	6.00	23.43	30.00	34.26	27.97	32.33	0.00	0.00	0.00	0.30	0.00	135.67	-0.09	0.00	0.00	0.00	30.87	2.89	92.46	0.68	17.23	N/A	N/A	N/A	N/A
272	2.72	1.69	32.76	5.00	2.39E-007	5.61E-004	6.00	23.01	30.00	34.22	27.67	31.92	0.00	0.00	0.00	0.30	0.00	134.93	-0.09	0.00	0.00	0.00	30.94	2.93	91.88	0.68	17.20	N/A	N/A	N/A	N/A
273	2.73	1.67	32.32	5.00	2.32E-007	5.37E-004	6.00	22.73	30.00	34.19	27.49	31.68	0.00	0.00	0.00	0.30	0.00	134.48	-0.09	0.00	0.00	0.00	31.03	2.96	91.55	0.68	17.18	N/A	N/A	N/A	N/A
274	2.74	1.66	31.12	5.00	2.39E-007	5.51E-004	6.00	22.58	30.00	34.05	27.15	31.21	0.00	0.00	0.00	0.30	0.00	133.67	-0.08	0.00	0.00	0.00	30.97	2.93	89.62	0.68	17.14	N/A	N/A	N/A	N/A
275	2.75	1.66	30.08	5.00	2.52E-007	5.79E-004	6.00	22.58	29.00	33.90	26.91	30.86	0.00	0.00	0.00	0.30	0.00	133.06	-0.08	0.00	0.00	0.00	30.91	2.88	87.72	0.67	17.10	N/A	N/A	N/A	N/A
276	2.76	1.66	28.12	5.00	2.79E-007	6.42E-004	6.00	22.58	29.00	33.61	26.41	30.14	0.00	0.00	0.00	0.30	0.00	131.81	-0.08	0.00	0.00	0.00	30.70	2.79	84.16	0.66	17.02	N/A	N/A	N/A	N/A
277	2.77	1.66	27.56	5.00	2.86E-007	6.59E-004	6.00	22.58	29.00	33.53	26.28	29.96	0.00	0.00	0.00	0.30	0.00	131.50	-0.07	0.00	0.00	0.00	30.71	2.76	83.11	0.66	17.00	N/A	N/A	N/A	N/A
278	2.78	1.66	26.96	5.00	2.95E-007	6.78E-004	6.00	22.57	29.00	33.43	26.14	29.75	0.00	0.00	0.00	0.30	0.00	131.15	-0.07	0.00	0.00	0.00	30.71	2.74	81.99	0.66	16.97	N/A	N/A	N/A	N/A
279	2.79	1.66	26.71	5.00	2.97E-007	6.84E-004	6.00	22.57	29.00	33.39	26.10	29.69	0.00	0.00	0.00	0.30	0.00	131.04	-0.07	0.00	0.00	0.00	30.78	2.73	81.50	0.66	16.96	N/A	N/A	N/A	N/A
280	2.80	1.67	26.33	5.00	3.09E-007	7.15E-004	6.00	22.71	29.00	33.31	26.08	29.64	0.00	0.00	0.00	0.30	0.00	130.99	-0.07	0.00	0.00	0.00	30.79	2.70	80.56	0.61	16.95	N/A	N/A	N/A	N/A
281	2.81	1.67	26.01	5.00	3.13E-007	7.24E-004	6.00	22.71	29.00	33.26	26.01	29.54	0.00	0.00	0.00	0.30	0.00	130.83	-0.07	0.00	0.00	0.00	30.84	2.69	79.94	0.58	16.93	N/A	N/A	N/A	N/A
282	2.82	1.67	25.19	5.00	3.27E-007	7.57E-004	6.00	22.71	29.00	33.13	25.80	29.24	0.00	0.00	0.00	0.30	0.00	130.30	-0.07	0.00	0.00	0.00	30.80	2.65	78.42	0.51	16.90	N/A	N/A	N/A	N/A
283	2.83	1.68	24.91	5.00	3.38E-007	7.88E-004	6.00	22.84	29.00	33.06	25.80	29.22	0.00	0.00	0.00	0.30	0.00	130.28	-0.06	0.00	0.00	0.00	30.83	2.62	77.69	0.48	16.89	N/A	N/A	N/A	N/A
284	2.84	1.69	24.72	5.00	3.48E-007	8.16E-004	6.00	22.98	29.00	33.01	25.82	29.23	0.00	0.00	0.00	0.30	0.00	130.34	-0.06	0.00	0.00	0.00	30.88	2.59	77.12	0.46	16.88	N/A	N/A	N/A	N/A
285	2.85	1.70	24.91	5.00	3.50E-007	8.25E-004	6.00	23.12	29.00	33.02	25.95	29.40	0.00	0.00	0.00	0.30	0.00	130.67	-0.06	0.00	0.00	0.00	31.01	2.59	77.24	0.46	16.89	N/A	N/A	N/A	N/A
286	2.86	1.72	25.26	5.00	3.56E-007	8.49E-004	6.00	23.40	29.00	33.04	26.18	29.69	0.00	0.00	0.00	0.30	0.00	131.25	-0.06	0.00	0.00	0.00	31.14	2.58	77.46	0.47	16.91	N/A	N/A	N/A	N/A
287	2.87	1.73	25.51	5.00	3.56E-007	8.55E-004	6.00	23.53	29.00	33.06	26.33	29.89	0.00	0.00	0.00	0.30	0.00	131.62	-0.06	0.00	0.00	0.00	31.27	2.58	77.68	0.48	16.92	N/A	N/A	N/A	N/A
288	2.88	1.74	25.82	5.00	3.55E-007	8.57E-004	6.00	23.67	29.00	33.09	26.50	30.11	0.00	0.00	0.00	0.30	0.00	132.04	-0.06	0.00	0.00	0.00	31.42	2.58	78.00	0.49	16.94	N/A	N/A	N/A	N/A
289	2.89	1.74	25.82	5.00	3.53E-007	8.52E-004	6.00	23.67	29.00	33.09	26.53	30.14	0.00	0.00	0.00	0.30	0.00	132.12	-0.06	0.00	0.00	0.00	31.52	2.58	77.97	0.49	16.94	N/A	N/A	N/A	N/A
290	2.90	1.74	25.82	5.00	3.51E-007	8.46E-004	6.00	23.67	29.00	33.08	26.56	30.17	0.00	0.00	0.00	0.30	0.00	132.19	-0.06	0.00	0.00	0.00	31.63	2.59	77.93	0.49	16.94	N/A	N/A	N/A	N/A
291	2.91	1.76	25.29	5.00	3.77E-007	9.19E-004	6.00	23.94	29.00	32.97	26.52	30.10	0.00	0.00	0.00	0.30	0.00	132.10	-0.06	0.00	0.00	0.00	31.60	2.53	76.62	0.44	16.92	N/A	N/A	N/A	N/A
292	2.92	1.78	26.04	5.00	3.74E-007	9.22E-004	6.00	24.22	30.00	33.05	26.87	30.56	0.00	0.00	0.00	0.30	0.00	132.96	-0.06	0.00	0.00	0.00	31.81	2.54	77.53	0.48	16.96	N/A	N/A	N/A	N/A
293	2.93	1.79	26.20	5.00	3.76E-007	9.33E-004	6.00	24.36	30.00	33.05	26.99	30.72	0.00	0.00	0.00	0.30	0.00	133.27	-0.06	0.00	0.00	0.00	31.92	2.53	77.59	0.48	16.97	N/A	N/A	N/A	N/A
294	2.94	1.83	26.71	5.00	3.95E-007	1.00E-003	6.00	24.92	30.00	33.07	27.36	31.19	0.00	0.00	0.00	0.30	0.00	134.17	-0.06	0.00	0.00	0.00	32.05	2.49	77.73	0.48	17.00	N/A	N/A	N/A	N/A
295	2.95	1.84	26.96	5.00	3.95E-007	1.01E-003	7.00	25.05	30.00	33.09	27.51	31.39	0.00	0.00	0.00	0.30	0.00	134.54	-0.06	0.00	0.00	0.00	32.18	2.49	77.94	0.49	17.01	N/A	N/A	N/A	N/A
296	2.96	1.87	27.65	5.00	4.02E-007	1.04E-003	7.00	25.47	30.00	33.14	27.88	31.88	0.00	0.00	0.00	0.30	0.00	135.44	-0.07	0.00	0.00	0.00	32.36	2.48	78.54	0.52	17.05	N/A	N/A	N/A	N/A
297	2.97	1.90	28.22	5.00	4.12E-007	1.09E-003	7.00	25.89	30.00	33.17	28.22	32.31	0.00	0.00	0.00	0.30	0.00	136.25	-0.07	0.00	0.00	0.00	32.51	2.46	78.93	0.53	17.08	N/A	N/A	N/A	N/A
298	2.98	1.95	28.60	5.00	4.44E-007	1.20E-003	7.00	26.59	31.00	33.15	28.58	32.78	0.00	0.00	0.00	0.30	0.00	137.14	-0.07	0.00	0.00	0.00	32.60	2.40	78.70	0.52	17.10	N/A	N/A	N/A	N/A
299	2.99	1.97	28.76	5.00	4.56E-007	1.25E-003	7.00	26.86	31.00	33.14	28.75	33.00	0.00	0.00	0.00	0.30	0.00	137.54	-0.07	0.00	0.00	0.00	32.70	2.38	78.61	0.52	17.11	N/A	N/A	N/A	N/A
300	3.00	2.06	28.94	5.00	5.35E-007	1.53E-003	7.00	28.12	31.00	33.05	29.23	33.60	0.00	0.00	0.00	0.30	0.00	138.68	-0.06	0.00	0.00	0.00	32.70	2.26	77.57	0.48	17.14	N/A	N/A	N/A	N/A
301	3.01	2.10	29.20	5.00	5.66E-007	1.66E-003	7.00	28.68	32.00	33.04	29.51	33.95	0.00	0.00	0.00	0.30	0.00	139.35	-0.06	0.00	0.00	0.00	32.79	2.23	77.39	0.47	17.15	N/A	N/A	N/A	N/A
302	3.02	2.14	29.32	5.00	6.03E-007	1.80E-003	7.00	29.24	32.00	33.00	29.75	34.25	0.00	0.00	0.00	0.30	0.00	139.91	-0.06	0.00	0.00	0.00	32.86	2.18	77.03	0.46	17.17	N/A	N/A	N/A	N/A
303	3.03	2.16	29.48	5.00	6.16E-007	1.85E-003	7.00	29.52	32.00	33.00	29.91	34.46	0.00	0.00	0.00	0.30	0.00	140.29	-0.06	0.00	0.00	0.00	32.97	2.17	76.98	0.45	17.18	N/A	N/A	N/A	N/A
304	3.04	2.17	30.39	5.00	5.94E-007	1.79E-003	7.00	29.65	32.00	33.10	30.25	34.92	0.00	0.00	0.00	0.30	0.00	141.08	-0.06	0.00	0.00	0.00	33.21	2.19	78.12	0.50	17.21	N/A	N/A	N/A	N/A
305	3.05	2.15	31.72	5.00	5.30E-007	1.59E-003	7.00	29.37	32.00	33.29	30.58	35.40	0.00	0.00	0.00	0.30	0.00	141.85	-0.07	0.00	0.00	0.00	33.56	2.27	80.24	0.60	17.26	N/A	N/A	N/A	N/A
306	3.06	2.12	32.35	5.00	4.82E-007	1.42E-003	7.00	28.95	32.00	33.39	30.66	35.53	0.00	0.00	0.00	0.30	0.00	142.04	-0.07	0.00	0.00	0.00	33.81	2.34	81.52	0.66	17.28	N/A	N/A	N/A	N/A
307	3.07	2.05	33.71	5.00	3.92E-007	1.12E-003	7.00	27.97	31.00	33.65	30.76	35.71	0.00	0.00	0.00	0.30	0.00	142.27	-0.08	0.00	0.00	0.00	34.25	2.50	84.57	0.67	17.31	N/A	N/A	N/A	N/A
308	3.08	2.03	34.34	5.00	3.63E-007	1.02E-003	7.00	27.68	31.00	33.75	30.88	35.88	0.00	0.00	0.00	0.30	0.00	142.53	-0.08	0.00	0.00	0.00	34.49	2.56	85.81	0.67	17.33	N/A	N/A	N/A	N/A
309	3.09	2.00	34.78	5.00	3.32E-007	9.24E-004	7.00	27.26	31.00	33.84	30.89	35.91	0.00	0.00	0.00	0.30	0.00	142.56	-0.08	0.00	0.00	0.00	34.73	2.63	86.96	0.67	17.34	N/A	N/A	N/A	N/A
310	3.10	1.96	36.51	5.00	2.81E-007	7.63E-004	7.00	26.70	30.00	34.10	31.19	36.37	0.00	0.00	0.00	0.30	0.00	143.26	-0.09	0.00	0.00	0.00	35.19	2.78	90.32	0.68	17.38	N/A	N/A	N/A	N/A
311	3.11	1.95	37.30	5.00	2.63E-007	7.13E-004	7.00	26.56	30.00	34.20	31.39	36.64	0.00	0.00	0.00	0.30	0.00	143.70	-0.09	0.00	0.00	0.00	35.45	2.84	91.69	0.68	17.41	N/A	N/A	N/A	N/A
312	3.12	1.92	38.69	4.00	2.31E-007	6.15E-004	7.00	26.13	0.00	0.00	0.00	37.00	15.00	124.44	2.38	0.30	9.54	144.26	0.00	1.00	3.38	0.00	124.44	2.97	94.41	0.58	17.44	N/A	N/A	N/A	N/A
313	3.13	1.90	39.51	4.00	2.12E-007	5.59E-004	7.00	25.85	0.00	0.00	0.00	37.21	15.00	123.10	2.34	0.30	9.44	144.59	0.00	1.00	3.27	0.00	123.10	3.05	96.07	0.58	17.46	N/A	N/A	N/A	N/A
314	3.14	1.87	41.15	4.00	1.84E-007	4.77E-004	7.00	25.43	0.00	0.00	0.00	37.64	15.00	121.09	2.30	0.30	9.31	145.25	0.00	1.00	3.09	0.00	121.09	3.20	99.25	0.58	17.50	N/A	N/A	N/A	N/A
315	3.15	1.86	41.71	4.00	1.75E-007	4.50E-004	7.00	25.29	0.00	0.00	0.00	37.81	15.00	120.41	2.28	0.30	9.25	145.52	0.00	1.00	3.03	0.00	120.41	3.25	100.30	0.58	17.52	N/A	N/A	N/A	N/A
316	3.16	1.86	42.53	4.00	1.68E-007	4.33E-004	7.00	25.28	0.00	0.00	0.00	38.14	15.00	120.40	2.27	0.30	9.24	146.05	0.00	1.00	2.97	0.00	120.40	3.30	101.51	0.58	17.54	N/A	N/A	N/A	N/A
317	3.17	1.86	43.61	4.00	1.60E-007	4.11E-004	7.00	25.28	0.00	0.00	0.00	38.55	15.00	120.38	2.26	0.30	9.23	146.71	0.00	1.00	2.90	0.00	120.38	3.35	103.11	0.58	17.57	N/A	N/A	N/A	N/A
318	3.18	1.86	43.86	4.00	1.57E-007	4.04E-004	7.00	25.28	0.00	0.00	0.00	38.67	15.00	120.37	2.26	0.30	9.21	146.92	0.00	1.00	2.88	0.00	120.37	3.37	103.44	0.58	17.57	N/A	N/A	N/A	N/A
319	3.19	1.87	44.11	4.00	1.58E-007	4.09E-004	7.00	25.42	0.00	0.00	0.00	38.86	15.00	121.03	2.26	0.30	9.23	147.25	0.00	1.00	2.88	0.00	121.03	3.36	103.51	0.58	17.58	N/A	N/A	N/A	N/A
320	3.20	1.87	43.92	4.00	1.58E-007	4.09E-004	7.00	25.41	0.00	0.00	0.00	38.84	15.00	121.02	2.25	0.30	9.20	147.22	0.00	1.00	2.89	0.00	121.02	3.36	103.17	0.58	17.58	N/A	N/A	N/A	N/A
321	3.21	1.89	44.55	4.00	1.60E-007	4.19E-004	7.00	25.69	0.00	0.00	0.00	39.23	15.00	122.34	2.27	0.30	9.28	147.87	0.00	1.00	2.88	0.00	122.34	3.35	103.57	0.58	17.60	N/A	N/A	N/A	N/A
322	3.22	1.91	45.06	4.00	1.63E-007	4.30E-004	7.00	25.97	0.00	0.00	0.00	39.57	15.00	123.66	2.29	0.30	9.35	148.44	0.00	1.00	2.88	0.00	123.66	3.33	103.78	0.58	17.62	N/A	N/A	N/A	N/A
323	3.23	1.95	45.62	4.00	1.72E-007	4.65E-004	7.00	26.53	0.00	0.00	0.00	40.06	15.00	126.32	2.33	0.30	9.50	149.27	0.00	1.00	2.91	0.00	126.32	3.27	103.58	0.58	17.64	N/A	N/A	N/A	N/A
324	3.24	1.97	45.66	4.00	1.78E-007	4.86E-004	8.00	26.80	0.00	0.00	0.00	40.24	15.00	127.64	2.34	0.30	9.57	149.59	0.00	1.00	2.94	0.00	127.64	3.23	103.10	0.58	17.64	N/A	N/A	N/A	N/A
325	3.25	2.00	45.88	4.00	1.86E-007	5.17E-004	8.00	27.22	0.00	0.00	0.00	40.55	15.00	129.63	2.37	0.30	9.67	150.11	0.00	1.00	2.97	0.00	129.63	3.18	102.67	0.58	17.65	N/A	N/A	N/A	N/A
326	3.26	2.01	46.54	4.00	1.84E-007	5.14E-004	8.00	27.36	0.00	0.00	0.00	40.88	15.00	130.28	2.38	0.30	9.70	150.64	0.00	1.00	2.94	0.00	130.28	3.20	103.33	0.58	17.67	N/A	N/A	N/A	N/A
327	3.27	2.01	47.33	4.00	1.78E-007	4.96E-004	8.00	27.36	0.00	0.00	0.00	41.19	15.00	130.27	2.37	0.30	9.68	151.13	0.00	1.00	2.89	0.00	130.27	3.23	104.41	0.58	17.69	N/A	N/A	N/A	N/A
328	3.28	2.01	48.08	4.00	1.72E-007	4.79E-004	8.00	27.35	0.00	0.00	0.00	41.49	15.00	130.26	2.36	0.30	9.67	151.59	0.00	1.00	2.84	0.00	130.26	3.27	105.43	0.58	17.71	N/A	N/A	N/A	N/A
329	3.29	2.02	48.40	4.00	1.72E-007	4.83E-004	8.00	27.49	0.00	0.00	0.00	41.70	15.00	130.91	2.37	0.30	9.69	151.94	0.00	1.00	2.84	0.00	130.91	3.27	105.59	0.58	17.72	N/A	N/A	N/A	N/A
330	3.30	2.02	48.90	4.00	1.68E-007	4.71E-004	8.00	27.49	0.00	0.00	0.00	41.91	15.00	130.90	2.36	0.30	9.67	152.27	0.00	1.00	2.81	0.00	130.90	3.30	106.25	0.58	17.73	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
331	3.31	2.03	50.48	4.00	1.61E-007	4.53E-004	8.00	27.63	0.00	0.00	0.00	42.54	15.00	131.56	2.36	0.30	9.71	153.25	0.00	1.00	2.74	0.00	131.56	3.34	108.17	0.58	17.77	N/A	N/A	N/A	N/A
332	3.32	2.02	50.92	4.00	1.54E-007	4.32E-004	8.00	27.48	0.00	0.00	0.00	42.67	15.00	130.88	2.34	0.30	9.65	153.44	0.00	1.00	2.70	0.00	130.88	3.39	108.98	0.58	17.78	N/A	N/A	N/A	N/A
333	3.33	2.02	51.43	4.00	1.51E-007	4.22E-004	8.00	27.48	0.00	0.00	0.00	42.88	15.00	130.87	2.34	0.30	9.63	153.76	0.00	1.00	2.67	0.00	130.87	3.42	109.63	0.58	17.79	N/A	N/A	N/A	N/A
334	3.34	2.02	51.84	4.00	1.48E-007	4.13E-004	8.00	27.48	0.00	0.00	0.00	43.05	15.00	130.85	2.33	0.30	9.61	154.04	0.00	1.00	2.65	0.00	130.85	3.44	110.15	0.58	17.80	N/A	N/A	N/A	N/A
335	3.35	2.02	52.59	4.00	1.43E-007	4.00E-004	8.00	27.48	0.00	0.00	0.00	43.34	15.00	130.84	2.32	0.30	9.59	154.49	0.00	1.00	2.61	0.00	130.84	3.48	111.13	0.58	17.82	N/A	N/A	N/A	N/A
336	3.36	2.02	54.70	4.00	1.32E-007	3.70E-004	8.00	27.47	0.00	0.00	0.00	44.06	15.00	130.83	2.31	0.30	9.59	155.57	0.00	1.00	2.51	0.00	130.83	3.57	113.99	0.58	17.86	N/A	N/A	N/A	N/A
337	3.37	2.04	55.52	4.00	1.33E-007	3.77E-004	8.00	27.75	0.00	0.00	0.00	44.50	15.00	132.15	2.33	0.30	9.66	156.25	0.00	1.00	2.50	0.00	132.15	3.56	114.54	0.58	17.88	N/A	N/A	N/A	N/A
338	3.38	2.10	57.10	4.00	1.42E-007	4.12E-004	8.00	28.59	0.00	0.00	0.00	45.45	15.00	136.14	2.39	0.30	9.90	157.71	0.00	1.00	2.50	0.00	136.14	3.49	115.10	0.58	17.92	N/A	N/A	N/A	N/A
339	3.39	2.14	57.42	4.00	1.50E-007	4.47E-004	8.00	29.15	0.00	0.00	0.00	45.86	15.00	138.79	2.43	0.30	10.05	158.37	0.00	1.00	2.54	0.00	138.79	3.42	114.48	0.58	17.94	N/A	N/A	N/A	N/A
340	3.40	2.17	57.45	4.00	1.58E-007	4.77E-004	8.00	29.56	0.00	0.00	0.00	46.11	15.00	140.78	2.46	0.30	10.15	158.77	0.00	1.00	2.57	0.00	140.78	3.36	113.74	0.58	17.94	N/A	N/A	N/A	N/A
341	3.41	2.21	58.36	4.00	1.65E-007	5.06E-004	8.00	30.12	0.00	0.00	0.00	46.71	15.00	143.44	2.50	0.30	10.30	159.68	0.00	1.00	2.58	0.00	143.44	3.32	113.92	0.58	17.97	N/A	N/A	N/A	N/A
342	3.42	2.21	58.87	4.00	1.61E-007	4.95E-004	8.00	30.12	0.00	0.00	0.00	46.92	15.00	143.42	2.49	0.30	10.28	159.99	0.00	1.00	2.56	0.00	143.42	3.34	114.52	0.58	17.98	N/A	N/A	N/A	N/A
343	3.43	2.16	59.50	4.00	1.43E-007	4.29E-004	8.00	29.42	0.00	0.00	0.00	46.83	15.00	140.08	2.42	0.30	10.05	159.84	0.00	1.00	2.47	0.00	140.08	3.48	116.48	0.58	17.98	N/A	N/A	N/A	N/A
344	3.44	2.13	60.06	4.00	1.32E-007	3.90E-004	8.00	28.99	0.00	0.00	0.00	46.86	15.00	138.06	2.38	0.30	9.91	159.85	0.00	1.00	2.41	0.00	138.06	3.57	117.89	0.58	17.99	N/A	N/A	N/A	N/A
345	3.45	2.05	60.95	4.00	1.09E-007	3.10E-004	8.00	27.87	0.00	0.00	0.00	46.63	15.00	132.72	2.28	0.30	9.56	159.45	0.00	1.00	2.29	0.00	132.72	3.80	121.06	0.58	17.99	N/A	N/A	N/A	N/A
346	3.46	2.01	61.17	4.00	9.91E-008	2.76E-004	8.00	27.31	0.00	0.00	0.00	46.46	15.00	130.03	2.23	0.30	9.37	159.18	0.00	1.00	2.23	0.00	130.03	3.92	122.36	0.58	17.99	N/A	N/A	N/A	N/A
347	3.47	1.93	61.61	4.00	8.17E-008	2.18E-004	8.00	26.15	0.00	0.00	0.00	46.05	15.00	124.52	2.13	0.30	9.00	158.52	0.00	1.00	2.12	0.00	124.52	4.17	125.14	0.58	17.98	N/A	N/A	N/A	N/A
348	3.48	1.89	61.70	4.00	7.43E-008	1.94E-004	8.00	25.59	0.00	0.00	0.00	45.83	15.00	121.85	2.08	0.30	8.80	158.17	0.00	1.00	2.07	0.00	121.85	4.30	126.32	0.58	17.97	N/A	N/A	N/A	N/A
349	3.49	1.79	61.80	4.00	5.88E-008	1.45E-004	8.00	24.19	0.00	0.00	0.00	45.16	15.00	115.20	1.96	0.30	8.36	157.09	0.00	1.00	1.96	0.00	115.20	4.64	129.29	0.58	17.95	N/A	N/A	N/A	N/A
350	3.50	1.76	62.33	4.00	5.36E-008	1.30E-004	7.00	23.78	0.00	0.00	0.00	45.14	15.00	113.23	1.92	0.30	8.22	157.03	0.00	1.00	1.91	0.00	113.23	4.78	130.81	0.58	17.96	N/A	N/A	N/A	N/A
351	3.51	1.73	62.97	4.00	4.86E-008	1.16E-004	7.00	23.35	0.00	0.00	0.00	45.13	15.00	111.20	1.88	0.30	8.07	157.00	0.00	1.00	1.85	0.00	111.20	4.93	132.52	0.58	17.96	N/A	N/A	N/A	N/A
352	3.52	1.70	64.76	4.00	4.25E-008	9.93E-005	7.00	22.91	0.00	0.00	0.00	45.45	15.00	109.12	1.84	0.30	7.93	157.43	0.00	1.00	1.77	0.00	109.12	5.14	135.82	0.58	17.99	N/A	N/A	N/A	N/A
353	3.53	1.68	65.33	4.00	3.95E-008	9.12E-005	7.00	22.63	0.00	0.00	0.00	45.49	15.00	107.77	1.81	0.30	7.83	157.49	0.00	1.00	1.73	0.00	107.77	5.26	137.12	0.58	17.99	N/A	N/A	N/A	N/A
354	3.54	1.68	65.71	4.00	3.89E-008	8.97E-005	7.00	22.63	0.00	0.00	0.00	45.65	15.00	107.78	1.80	0.30	7.81	157.73	0.00	1.00	1.72	0.00	107.78	5.28	137.53	0.58	18.00	N/A	N/A	N/A	N/A
355	3.55	1.71	67.00	4.00	4.03E-008	9.47E-005	7.00	23.07	0.00	0.00	0.00	46.32	15.00	109.88	1.83	0.30	7.93	158.75	0.00	1.00	1.72	0.00	109.88	5.23	138.17	0.58	18.03	N/A	N/A	N/A	N/A
356	3.56	1.73	67.60	4.00	4.13E-008	9.84E-005	8.00	23.35	0.00	0.00	0.00	46.70	15.00	111.21	1.85	0.30	8.00	159.34	0.00	1.00	1.73	0.00	111.21	5.19	138.24	0.58	18.04	N/A	N/A	N/A	N/A
357	3.57	1.79	68.99	4.00	4.54E-008	1.12E-004	8.00	24.17	0.00	0.00	0.00	47.61	15.00	115.08	1.91	0.30	8.23	160.73	0.00	1.00	1.75	0.00	115.08	5.04	138.19	0.58	18.08	N/A	N/A	N/A	N/A
358	3.58	1.82	69.18	4.00	4.81E-008	1.20E-004	8.00	24.58	0.00	0.00	0.00	47.95	15.00	117.06	1.93	0.30	8.34	161.26	0.00	1.00	1.78	0.00	117.06	4.94	137.44	0.58	18.09	N/A	N/A	N/A	N/A
359	3.59	1.84	69.21	4.00	5.00E-008	1.27E-004	8.00	24.86	0.00	0.00	0.00	48.17	15.00	118.38	1.95	0.30	8.40	161.60	0.00	1.00	1.80	0.00	118.38	4.88	136.78	0.58	18.09	N/A	N/A	N/A	N/A
360	3.60	1.89	69.93	4.00	5.44E-008	1.42E-004	8.00	25.55	0.00	0.00	0.00	48.80	15.00	121.65	2.00	0.30	8.59	162.56	0.00	1.00	1.83	0.00	121.65	4.76	136.16	0.58	18.12	N/A	N/A	N/A	N/A
361	3.61	1.92	70.15	4.00	5.74E-008	1.52E-004	8.00	25.96	0.00	0.00	0.00	49.15	15.00	123.63	2.02	0.30	8.69	163.09	0.00	1.00	1.85	0.00	123.63	4.68	135.48	0.58	18.13	N/A	N/A	N/A	N/A
362	3.62	1.93	70.47	4.00	5.78E-008	1.54E-004	8.00	26.11	0.00	0.00	0.00	49.37	15.00	124.31	2.03	0.30	8.72	163.42	0.00	1.00	1.85	0.00	124.31	4.66	135.50	0.58	18.13	N/A	N/A	N/A	N/A
363	3.63	1.93	70.28	4.00	5.78E-008	1.54E-004	8.00	26.11	0.00	0.00	0.00	49.37	15.00	124.34	2.02	0.30	8.69	163.43	0.00	1.00	1.86	0.00	124.34	4.66	135.15	0.58	18.13	N/A	N/A	N/A	N/A
364	3.64	1.93	69.87	4.00	5.81E-008	1.55E-004	8.00	26.11	0.00	0.00	0.00	49.30	15.00	124.32	2.02	0.30	8.67	163.35	0.00	1.00	1.87	0.00	124.32	4.66	134.55	0.58	18.12	N/A	N/A	N/A	N/A
365	3.65	1.93	69.78	4.00	5.79E-008	1.54E-004	8.00	26.10	0.00	0.00	0.00	49.32	15.00	124.29	2.01	0.30	8.65	163.39	0.00	1.00	1.87	0.00	124.29	4.66	134.35	0.58	18.12	N/A	N/A	N/A	N/A
366	3.66	1.93	68.64	4.00	5.92E-008	1.58E-004	8.00	26.08	0.00	0.00	0.00	49.03	15.00	124.21	2.00	0.30	8.61	162.99	0.00	1.00	1.90	0.00	124.21	4.63	132.85	0.58	18.10	N/A	N/A	N/A	N/A
367	3.67	1.93	67.85	4.00	6.02E-008	1.60E-004	8.00	26.09	0.00	0.00	0.00	48.85	15.00	124.22	2.00	0.30	8.59	162.75	0.00	1.00	1.92	0.00	124.22	4.60	131.75	0.58	18.09	N/A	N/A	N/A	N/A
368	3.68	1.92	67.19	4.00	5.98E-008	1.58E-004	8.00	25.95	0.00	0.00	0.00	48.63	15.00	123.57	1.98	0.30	8.52	162.45	0.00	1.00	1.93	0.00	123.57	4.62	131.09	0.58	18.08	N/A	N/A	N/A	N/A
369	3.69	1.93	65.27	4.00	6.42E-008	1.71E-004	8.00	26.09	0.00	0.00	0.00	48.18	15.00	124.23	1.99	0.30	8.53	161.84	0.00	1.00	2.00	0.00	124.23	4.51	128.27	0.58	18.05	N/A	N/A	N/A	N/A
370	3.70	1.94	63.91	4.00	6.78E-008	1.81E-004	8.00	26.23	0.00	0.00	0.00	47.89	15.00	124.89	1.99	0.30	8.54	161.45	0.00	1.00	2.05	0.00	124.89	4.43	126.17	0.58	18.02	N/A	N/A	N/A	N/A
371	3.71	1.96	61.67	4.00	7.53E-008	2.03E-004	8.00	26.50	0.00	0.00	0.00	47.40	15.00	126.21	2.01	0.30	8.59	160.78	0.00	1.00	2.15	0.00	126.21	4.29	122.66	0.58	17.99	N/A	N/A	N/A	N/A
372	3.72	1.97	60.82	4.00	7.84E-008	2.13E-004	8.00	26.64	0.00	0.00	0.00	47.25	15.00	126.87	2.01	0.30	8.60	160.60	0.00	1.00	2.19	0.00	126.87	4.23	121.22	0.58	17.97	N/A	N/A	N/A	N/A
373	3.73	1.99	60.32	4.00	8.26E-008	2.27E-004	8.00	26.92	0.00	0.00	0.00	47.28	15.00	128.19	2.03	0.30	8.66	160.68	0.00	1.00	2.23	0.00	128.19	4.16	119.98	0.58	17.97	N/A	N/A	N/A	N/A
374	3.74	2.02	57.13	4.00	9.67E-008	2.70E-004	8.00	27.34	0.00	0.00	0.00	46.52	15.00	130.18	2.05	0.30	8.73	159.63	0.00	1.00	2.39	0.00	130.18	3.95	115.00	0.58	17.91	N/A	N/A	N/A	N/A
375	3.75	2.02	56.88	4.00	9.70E-008	2.70E-004	8.00	27.34	0.00	0.00	0.00	46.48	15.00	130.17	2.05	0.30	8.71	159.58	0.00	1.00	2.40	0.00	130.17	3.95	114.62	0.58	17.91	N/A	N/A	N/A	N/A
376	3.76	2.05	54.17	4.00	1.12E-007	3.17E-004	8.00	27.75	0.00	0.00	0.00	45.83	15.00	132.16	2.07	0.30	8.79	158.69	0.00	1.00	2.56	0.00	132.16	3.76	110.28	0.58	17.85	N/A	N/A	N/A	N/A
377	3.77	2.06	53.06	4.00	1.18E-007	3.36E-004	8.00	27.89	0.00	0.00	0.00	45.57	15.00	132.81	2.08	0.30	8.80	158.33	0.00	1.00	2.63	0.00	132.81	3.70	108.53	0.58	17.83	N/A	N/A	N/A	N/A
378	3.78	2.08	50.64	4.00	1.33E-007	3.83E-004	8.00	28.17	0.00	0.00	0.00	44.91	15.00	134.14	2.09	0.30	8.84	157.41	0.00	1.00	2.78	0.00	134.14	3.56	104.83	0.58	17.78	N/A	N/A	N/A	N/A
379	3.79	2.09	49.12	4.00	1.43E-007	4.12E-004	8.00	28.31	0.00	0.00	0.00	44.49	15.00	134.79	2.10	0.30	8.85	156.80	0.00	1.00	2.88	0.00	134.79	3.48	102.54	0.58	17.75	N/A	N/A	N/A	N/A
380	3.80	2.10	47.07	4.00	1.56E-007	4.53E-004	8.00	28.44	0.00	0.00	0.00	43.86	15.00	135.45	2.10	0.30	8.85	155.90	0.00	1.00	3.02	0.00	135.45	3.37	99.55	0.58	17.70	N/A	N/A	N/A	N/A
381	3.81	2.11	46.63	4.00	1.61E-007	4.70E-004	8.00	28.58	0.00	0.00	0.00	43.80	15.00	136.10	2.11	0.30	8.87	155.84	0.00	1.00	3.06	0.00	136.10	3.34	98.71	0.58	17.69	N/A	N/A	N/A	N/A
382	3.82	2.11	45.47	4.00	1.68E-007	4.89E-004	8.00	28.58	0.00	0.00	0.00	43.42	15.00	136.09	2.10	0.30	8.84	155.28	0.00	1.00	3.14	0.00	136.09	3.30	97.12	0.58	17.66	N/A	N/A	N/A	N/A
383	3.83	2.11	43.57	4.00	1.80E-007	5.24E-004	8.00	28.58	0.00	0.00	0.00	42.75	15.00	136.08	2.09	0.30	8.80	154.30	0.00	1.00	3.28	0.00	136.08	3.22	94.52	0.58	17.62	N/A	N/A	N/A	N/A
384	3.84	2.10	43.57	4.00	1.75E-007	5.08E-004	8.00	28.43	0.00	0.00	0.00	42.73	15.00	135.40	2.08	0.30	8.74	154.26	0.00	1.00	3.26	0.00	135.40	3.25	94.68	0.58	17.61	N/A	N/A	N/A	N/A
385	3.85	2.10	43.98	4.00	1.72E-007	4.97E-004	8.00	28.43	0.00	0.00	0.00	42.92	15.00	135.39	2.07	0.30	8.73	154.56	0.00	1.00	3.23	0.00	135.39	3.27	95.20	0.58	17.62	N/A	N/A	N/A	N/A
386	3.86	2.10	43.70	4.00	1.73E-007	5.00E-004	8.00	28.43	0.00	0.00	0.00	42.85	15.00	135.38	2.07	0.30	8.71	154.48	0.00	1.00	3.25	0.00	135.38	3.27	94.78	0.58	17.62	N/A	N/A	N/A	N/A
387	3.87	2.09	43.51	4.00	1.70E-007	4.89E-004	8.00	28.29	0.00	0.00	0.00	42.76	15.00	134.70	2.05	0.30	8.65	154.34	0.00	1.00	3.25	0.00	134.70	3.29	94.69	0.58	17.61	N/A	N/A	N/A	N/A
388	3.88	2.09	44.11	4.00	1.65E-007	4.75E-004	8.00	28.28	0.00	0.00	0.00	43.02	15.00	134.69	2.04	0.30	8.63	154.74	0.00	1.00	3.21	0.00	134.69	3.32	95.46	0.58	17.63	N/A	N/A	N/A	N/A
389	3.89	2.09	44.11	4.00	1.64E-007	4.72E-004	8.00	28.28	0.00	0.00	0.00	43.06	15.00	134.68	2.04	0.30	8.61	154.81	0.00	1.00	3.21	0.00	134.68	3.32	95.42	0.58	17.63	N/A	N/A	N/A	N/A
390	3.90	2.09	44.11	4.00	1.63E-007	4.69E-004	8.00	28.28	0.00	0.00	0.00	43.10	15.00	134.67	2.03	0.30	8.59	154.88	0.00	1.00	3.21	0.00	134.67	3.33	95.38	0.58	17.63	N/A	N/A	N/A	N/A
391	3.91	2.15	39.98	4.00	2.17E-007	6.43E-004	8.00	29.12	0.00	0.00	0.00	41.91	15.00	138.68	2.09	0.30	8.77	153.17	0.00	1.00	3.64	0.00	138.68	3.03	88.63	0.58	17.52	N/A	N/A	N/A	N/A
392	3.92	2.16	40.11	4.00	2.18E-007	6.51E-004	8.00	29.26	0.00	0.00	0.00	42.06	15.00	139.33	2.09	0.30	8.79	153.41	0.00	1.00	3.65	0.00	139.33	3.02	88.59	0.58	17.53	N/A	N/A	N/A	N/A
393	3.93	2.15	41.27	4.00	2.03E-007	6.02E-004	8.00	29.12	0.00	0.00	0.00	42.49	15.00	138.65	2.08	0.30	8.75	154.07	0.00	1.00	3.53	0.00	138.65	3.10	90.30	0.58	17.56	N/A	N/A	N/A	N/A
394	3.94	2.15	41.81	4.00	1.97E-007	5.85E-004	8.00	29.11	0.00	0.00	0.00	42.74	15.00	138.64	2.07	0.30	8.73	154.45	0.00	1.00	3.48	0.00	138.64	3.13	90.98	0.58	17.58	N/A	N/A	N/A	N/A
395	3.95	2.13	43.13	4.00	1.79E-007	5.25E-004	8.00	28.83	0.00	0.00	0.00	43.17	15.00	137.30	2.05	0.30	8.65	155.08	0.00	1.00	3.34	0.00	137.30	3.23	93.09	0.58	17.61	N/A	N/A	N/A	N/A
396	3.96	2.11	43.86	4.00	1.66E-007	4.83E-004	8.00	28.55	0.00	0.00	0.00	43.36	15.00	135.95	2.02	0.30	8.56	155.36	0.00	1.00	3.25	0.00	135.95	3.31	94.42	0.58	17.62	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
397	3.97	2.09	44.49	4.00	1.55E-007	4.45E-004	8.00	28.27	0.00	0.00	0.00	43.51	15.00	134.60	1.99	0.30	8.47	155.58	0.00	1.00	3.18	0.00	134.60	3.39	95.62	0.58	17.64	N/A	N/A	N/A	N/A
398	3.98	2.07	45.40	4.00	1.42E-007	4.06E-004	8.00	27.98	0.00	0.00	0.00	43.77	15.00	133.26	1.97	0.30	8.38	155.95	0.00	1.00	3.08	0.00	133.26	3.48	97.20	0.58	17.66	N/A	N/A	N/A	N/A
399	3.99	2.05	46.22	4.00	1.32E-007	3.72E-004	8.00	27.70	0.00	0.00	0.00	43.99	15.00	131.91	1.94	0.30	8.29	156.26	0.00	1.00	3.00	0.00	131.91	3.57	98.68	0.58	17.67	N/A	N/A	N/A	N/A
400	4.00	2.03	47.26	4.00	1.21E-007	3.38E-004	8.00	27.42	0.00	0.00	0.00	44.28	15.00	130.57	1.92	0.30	8.20	156.68	0.00	1.00	2.90	0.00	130.57	3.67	100.45	0.58	17.69	N/A	N/A	N/A	N/A
401	4.01	1.99	48.21	4.00	1.07E-007	2.92E-004	8.00	26.86	0.00	0.00	0.00	44.40	15.00	127.89	1.88	0.30	8.04	156.83	0.00	1.00	2.79	0.00	127.89	3.83	102.55	0.58	17.71	N/A	N/A	N/A	N/A
402	4.02	1.97	48.46	4.00	1.01E-007	2.73E-004	8.00	26.57	0.00	0.00	0.00	44.40	15.00	126.55	1.85	0.30	7.95	156.81	0.00	1.00	2.74	0.00	126.55	3.90	103.29	0.58	17.71	N/A	N/A	N/A	N/A
403	4.03	1.92	48.59	4.00	8.94E-008	2.36E-004	8.00	25.87	0.00	0.00	0.00	44.14	15.00	123.20	1.80	0.30	7.74	156.40	0.00	1.00	2.66	0.00	123.20	4.05	104.56	0.58	17.70	N/A	N/A	N/A	N/A
404	4.04	1.90	49.06	4.00	8.36E-008	2.18E-004	8.00	25.59	0.00	0.00	0.00	44.21	15.00	121.86	1.77	0.30	7.65	156.49	0.00	1.00	2.61	0.00	121.86	4.14	105.61	0.58	17.71	N/A	N/A	N/A	N/A
405	4.05	1.85	50.07	4.00	7.16E-008	1.82E-004	8.00	24.89	0.00	0.00	0.00	44.26	15.00	118.51	1.72	0.30	7.45	156.51	0.00	1.00	2.49	0.00	118.51	4.36	108.10	0.58	17.72	N/A	N/A	N/A	N/A
406	4.06	1.82	50.32	4.00	6.58E-008	1.64E-004	8.00	24.46	0.00	0.00	0.00	44.17	15.00	116.50	1.69	0.30	7.32	156.36	0.00	1.00	2.43	0.00	116.50	4.47	109.11	0.58	17.72	N/A	N/A	N/A	N/A
407	4.07	1.74	50.51	4.00	5.37E-008	1.28E-004	7.00	23.34	0.00	0.00	0.00	43.69	15.00	111.15	1.61	0.30	6.99	155.57	0.00	1.00	2.31	0.00	111.15	4.77	111.30	0.58	17.71	N/A	N/A	N/A	N/A
408	4.08	1.69	49.72	4.00	4.85E-008	1.12E-004	7.00	22.64	0.00	0.00	0.00	43.09	15.00	107.80	1.55	0.30	6.78	154.61	0.00	1.00	2.28	0.00	107.80	4.93	111.43	0.58	17.68	N/A	N/A	N/A	N/A
409	4.09	1.63	49.03	4.00	4.24E-008	9.43E-005	7.00	21.80	0.00	0.00	0.00	42.43	15.00	103.79	1.49	0.30	6.53	153.57	0.00	1.00	2.22	0.00	103.79	5.14	111.96	0.58	17.65	N/A	N/A	N/A	N/A
410	4.10	1.62	49.12	4.00	4.10E-008	9.04E-005	7.00	21.65	0.00	0.00	0.00	42.43	15.00	103.11	1.48	0.30	6.48	153.55	0.00	1.00	2.20	0.00	103.11	5.20	112.28	0.58	17.65	N/A	N/A	N/A	N/A
411	4.11	1.63	49.12	4.00	4.18E-008	9.29E-005	7.00	21.79	0.00	0.00	0.00	42.54	15.00	103.77	1.48	0.30	6.50	153.75	0.00	1.00	2.22	0.00	103.77	5.17	111.96	0.58	17.65	N/A	N/A	N/A	N/A
412	4.12	1.63	47.52	4.00	4.41E-008	9.81E-005	7.00	21.79	0.00	0.00	0.00	42.03	15.00	103.76	1.48	0.30	6.48	152.99	0.00	1.00	2.29	0.00	103.76	5.08	109.68	0.58	17.62	N/A	N/A	N/A	N/A
413	4.13	1.63	47.01	4.00	4.48E-008	9.94E-005	7.00	21.79	0.00	0.00	0.00	41.89	15.00	103.75	1.48	0.30	6.46	152.79	0.00	1.00	2.32	0.00	103.75	5.06	108.91	0.58	17.60	N/A	N/A	N/A	N/A
414	4.14	1.64	46.22	4.00	4.71E-008	1.05E-004	7.00	21.92	0.00	0.00	0.00	41.73	15.00	104.40	1.48	0.30	6.48	152.56	0.00	1.00	2.37	0.00	104.40	4.98	107.50	0.58	17.59	N/A	N/A	N/A	N/A
415	4.15	1.67	44.93	4.00	5.33E-008	1.21E-004	7.00	22.34	0.00	0.00	0.00	41.53	15.00	106.39	1.51	0.30	6.57	152.31	0.00	1.00	2.49	0.00	106.39	4.79	104.90	0.58	17.56	N/A	N/A	N/A	N/A
416	4.16	1.70	43.86	4.00	5.97E-008	1.38E-004	7.00	22.76	0.00	0.00	0.00	41.40	15.00	108.38	1.53	0.30	6.67	152.16	0.00	1.00	2.59	0.00	108.38	4.62	102.61	0.58	17.54	N/A	N/A	N/A	N/A
417	4.17	1.76	41.87	4.00	7.47E-008	1.80E-004	7.00	23.60	0.00	0.00	0.00	41.12	15.00	112.37	1.58	0.30	6.87	151.82	0.00	1.00	2.82	0.00	112.37	4.30	98.35	0.58	17.50	N/A	N/A	N/A	N/A
418	4.18	1.79	41.11	4.00	8.24E-008	2.02E-004	7.00	24.02	0.00	0.00	0.00	41.07	15.00	114.36	1.61	0.30	6.96	151.79	0.00	1.00	2.92	0.00	114.36	4.16	96.55	0.58	17.49	N/A	N/A	N/A	N/A
419	4.19	1.83	40.58	4.00	9.21E-008	2.31E-004	7.00	24.57	0.00	0.00	0.00	41.17	15.00	117.02	1.64	0.30	7.09	152.01	0.00	1.00	3.03	0.00	117.02	4.01	94.88	0.58	17.48	N/A	N/A	N/A	N/A
420	4.20	1.87	39.66	4.00	1.05E-007	2.68E-004	7.00	25.13	0.00	0.00	0.00	41.11	15.00	119.67	1.67	0.30	7.22	151.98	0.00	1.00	3.17	0.00	119.67	3.85	92.69	0.58	17.46	N/A	N/A	N/A	N/A
421	4.21	1.90	39.22	4.00	1.13E-007	2.95E-004	8.00	25.55	0.00	0.00	0.00	41.17	15.00	121.66	1.70	0.30	7.31	152.11	0.00	1.00	3.26	0.00	121.66	3.75	91.42	0.58	17.45	N/A	N/A	N/A	N/A
422	4.22	1.93	37.68	4.00	1.29E-007	3.42E-004	8.00	25.97	0.00	0.00	0.00	40.77	15.00	123.65	1.72	0.30	7.40	151.55	0.00	1.00	3.45	0.00	123.65	3.59	88.62	0.58	17.41	N/A	N/A	N/A	N/A
423	4.23	1.93	36.98	4.00	1.33E-007	3.51E-004	8.00	25.96	0.00	0.00	0.00	40.52	15.00	123.64	1.72	0.30	7.38	151.17	0.00	1.00	3.51	0.00	123.64	3.56	87.60	0.58	17.39	N/A	N/A	N/A	N/A
424	4.24	1.93	36.42	4.00	1.36E-007	3.59E-004	8.00	25.96	0.00	0.00	0.00	40.32	15.00	123.63	1.71	0.30	7.36	150.88	0.00	1.00	3.56	0.00	123.63	3.54	86.78	0.58	17.37	N/A	N/A	N/A	N/A
425	4.25	1.93	36.45	4.00	1.35E-007	3.56E-004	8.00	25.96	0.00	0.00	0.00	40.37	15.00	123.62	1.71	0.30	7.35	150.96	0.00	1.00	3.56	0.00	123.62	3.54	86.79	0.58	17.38	N/A	N/A	N/A	N/A
426	4.26	1.95	36.61	4.00	1.39E-007	3.72E-004	8.00	26.24	0.00	0.00	0.00	40.59	15.00	124.94	1.72	0.30	7.41	151.34	0.00	1.00	3.58	0.00	124.94	3.51	86.60	0.58	17.38	N/A	N/A	N/A	N/A
427	4.27	1.97	36.67	4.00	1.44E-007	3.89E-004	8.00	26.52	0.00	0.00	0.00	40.77	15.00	126.26	1.74	0.30	7.46	151.66	0.00	1.00	3.62	0.00	126.26	3.47	86.28	0.58	17.39	N/A	N/A	N/A	N/A
428	4.28	1.99	36.54	4.00	1.50E-007	4.11E-004	8.00	26.79	0.00	0.00	0.00	40.88	15.00	127.58	1.75	0.30	7.52	151.85	0.00	1.00	3.67	0.00	127.58	3.42	85.69	0.58	17.39	N/A	N/A	N/A	N/A
429	4.29	2.04	37.33	4.00	1.60E-007	4.49E-004	8.00	27.49	0.00	0.00	0.00	41.55	15.00	130.91	1.79	0.30	7.69	152.94	0.00	1.00	3.68	0.00	130.91	3.35	85.84	0.58	17.42	N/A	N/A	N/A	N/A
430	4.30	2.05	38.12	4.00	1.57E-007	4.42E-004	8.00	27.63	0.00	0.00	0.00	41.97	15.00	131.56	1.80	0.30	7.72	153.60	0.00	1.00	3.62	0.00	131.56	3.37	86.71	0.58	17.45	N/A	N/A	N/A	N/A
431	4.31	2.06	39.22	4.00	1.52E-007	4.29E-004	8.00	27.77	0.00	0.00	0.00	42.52	15.00	132.22	1.80	0.30	7.75	154.45	0.00	1.00	3.54	0.00	132.22	3.41	87.98	0.58	17.49	N/A	N/A	N/A	N/A
432	4.32	2.06	39.54	4.00	1.49E-007	4.21E-004	8.00	27.76	0.00	0.00	0.00	42.69	15.00	132.21	1.80	0.30	7.73	154.71	0.00	1.00	3.51	0.00	132.21	3.43	88.39	0.58	17.49	N/A	N/A	N/A	N/A
433	4.33	2.06	40.26	4.00	1.44E-007	4.06E-004	8.00	27.76	0.00	0.00	0.00	43.02	15.00	132.20	1.79	0.30	7.72	155.22	0.00	1.00	3.45	0.00	132.20	3.47	89.32	0.58	17.52	N/A	N/A	N/A	N/A
434	4.34	2.07	40.74	4.00	1.43E-007	4.06E-004	8.00	27.90	0.00	0.00	0.00	43.31	15.00	132.85	1.80	0.30	7.74	155.67	0.00	1.00	3.42	0.00	132.85	3.48	89.74	0.58	17.53	N/A	N/A	N/A	N/A
435	4.35	2.08	41.15	4.00	1.42E-007	4.07E-004	8.00	28.04	0.00	0.00	0.00	43.57	15.00	133.51	1.80	0.30	7.77	156.09	0.00	1.00	3.41	0.00	133.51	3.48	90.07	0.58	17.54	N/A	N/A	N/A	N/A
436	4.36	2.08	41.27	4.00	1.41E-007	4.03E-004	8.00	28.03	0.00	0.00	0.00	43.66	15.00	133.49	1.80	0.30	7.75	156.22	0.00	1.00	3.40	0.00	133.49	3.49	90.19	0.58	17.55	N/A	N/A	N/A	N/A
437	4.37	2.08	41.15	4.00	1.41E-007	4.03E-004	8.00	28.03	0.00	0.00	0.00	43.64	15.00	133.48	1.79	0.30	7.74	156.22	0.00	1.00	3.41	0.00	133.48	3.49	90.01	0.58	17.54	N/A	N/A	N/A	N/A
438	4.38	2.08	41.65	4.00	1.37E-007	3.93E-004	8.00	28.03	0.00	0.00	0.00	43.88	15.00	133.47	1.79	0.30	7.72	156.58	0.00	1.00	3.36	0.00	133.47	3.52	90.63	0.58	17.56	N/A	N/A	N/A	N/A
439	4.39	2.08	41.59	4.00	1.37E-007	3.92E-004	8.00	28.03	0.00	0.00	0.00	43.89	15.00	133.46	1.78	0.30	7.71	156.61	0.00	1.00	3.37	0.00	133.46	3.52	90.52	0.58	17.56	N/A	N/A	N/A	N/A
440	4.40	2.09	41.52	4.00	1.40E-007	4.01E-004	8.00	28.16	0.00	0.00	0.00	43.96	15.00	134.12	1.79	0.30	7.73	156.73	0.00	1.00	3.39	0.00	134.12	3.50	90.21	0.58	17.56	N/A	N/A	N/A	N/A
441	4.41	2.11	40.89	4.00	1.49E-007	4.31E-004	8.00	28.44	0.00	0.00	0.00	43.87	15.00	135.44	1.80	0.30	7.78	156.62	0.00	1.00	3.48	0.00	135.44	3.43	88.99	0.58	17.54	N/A	N/A	N/A	N/A
442	4.42	2.12	40.89	4.00	1.51E-007	4.39E-004	8.00	28.58	0.00	0.00	0.00	43.96	15.00	136.09	1.81	0.30	7.80	156.79	0.00	1.00	3.49	0.00	136.09	3.41	88.78	0.58	17.54	N/A	N/A	N/A	N/A
443	4.43	2.14	40.36	4.00	1.60E-007	4.70E-004	8.00	28.86	0.00	0.00	0.00	43.90	15.00	137.42	1.82	0.30	7.85	156.73	0.00	1.00	3.58	0.00	137.42	3.35	87.70	0.58	17.53	N/A	N/A	N/A	N/A
444	4.44	2.15	39.98	4.00	1.65E-007	4.87E-004	8.00	29.00	0.00	0.00	0.00	43.84	15.00	138.07	1.82	0.30	7.87	156.66	0.00	1.00	3.63	0.00	138.07	3.32	87.00	0.58	17.52	N/A	N/A	N/A	N/A
445	4.45	2.16	39.51	4.00	1.71E-007	5.07E-004	8.00	29.13	0.00	0.00	0.00	43.74	15.00	138.73	1.83	0.30	7.89	156.53	0.00	1.00	3.69	0.00	138.73	3.28	86.19	0.58	17.51	N/A	N/A	N/A	N/A
446	4.46	2.18	38.15	4.00	1.88E-007	5.63E-004	8.00	29.41	0.00	0.00	0.00	43.32	15.00	140.05	1.84	0.30	7.94	155.94	0.00	1.00	3.85	0.00	140.05	3.18	84.05	0.58	17.48	N/A	N/A	N/A	N/A
447	4.47	2.20	37.62	4.00	1.99E-007	6.02E-004	8.00	29.69	0.00	0.00	0.00	43.24	15.00	141.37	1.85	0.30	7.99	155.85	0.00	1.00	3.95	0.00	141.37	3.12	83.01	0.58	17.46	N/A	N/A	N/A	N/A
448	4.48	2.24	36.54	5.00	2.24E-007	6.92E-004	8.00	30.25	28.00	33.35	36.80	43.03	0.00	0.00	0.00	0.30	0.00	155.60	-0.07	0.00	0.00	0.00	50.29	3.00	80.95	0.63	17.44	N/A	N/A	N/A	N/A
449	4.49	2.26	36.10	5.00	2.37E-007	7.36E-004	8.00	30.52	28.00	33.27	36.78	42.98	0.00	0.00	0.00	0.30	0.00	155.56	-0.07	0.00	0.00	0.00	50.26	2.94	80.06	0.59	17.43	N/A	N/A	N/A	N/A
450	4.50	2.30	35.85	5.00	2.57E-007	8.13E-004	8.00	31.08	28.00	33.19	36.90	43.13	0.00	0.00	0.00	0.30	0.00	155.82	-0.07	0.00	0.00	0.00	50.22	2.87	79.13	0.54	17.42	N/A	N/A	N/A	N/A
451	4.51	2.37	35.19	5.00	2.99E-007	9.78E-004	9.00	32.06	28.00	33.03	37.02	43.24	0.00	0.00	0.00	0.30	0.00	156.08	-0.06	0.00	0.00	0.00	50.02	2.73	77.31	0.47	17.41	N/A	N/A	N/A	N/A
452	4.52	2.41	34.68	5.00	3.27E-007	1.09E-003	9.00	32.62	29.00	32.92	37.06	43.26	0.00	0.00	0.00	0.30	0.00	156.15	-0.06	0.00	0.00	0.00	49.94	2.65	76.13	0.42	17.40	N/A	N/A	N/A	N/A
453	4.53	2.52	34.27	5.00	4.01E-007	1.40E-003	9.00	34.16	29.00	32.76	37.40	43.67	0.00	0.00	0.00	0.30	0.00	156.88	-0.06	0.00	0.00	0.00	49.73	2.48	74.32	0.36	17.41	N/A	N/A	N/A	N/A
454	4.54	2.57	34.18	5.00	4.36E-007	1.55E-003	9.00	34.87	30.00	32.70	37.61	43.92	0.00	0.00	0.00	0.30	0.00	157.30	-0.06	0.00	0.00	0.00	49.72	2.41	73.64	0.34	17.41	N/A	N/A	N/A	N/A
455	4.55	2.68	34.08	5.00	5.21E-007	1.93E-003	9.00	36.41	30.00	32.58	38.03	44.45	0.00	0.00	0.00	0.30	0.00	158.19	-0.05	0.00	0.00	0.00	49.62	2.28	72.44	0.31	17.42	N/A	N/A	N/A	N/A
456	4.56	2.71	34.08	5.00	5.43E-007	2.04E-003	9.00	36.83	30.00	32.55	38.18	44.63	0.00	0.00	0.00	0.30	0.00	158.49	-0.05	0.00	0.00	0.00	49.68	2.25	72.15	0.30	17.43	N/A	N/A	N/A	N/A
457	4.57	2.74	35.25	5.00	5.36E-007	2.03E-003	9.00	37.24	30.00	32.65	38.71	45.36	0.00	0.00	0.00	0.30	0.00	159.59	-0.06	0.00	0.00	0.00	49.97	2.26	73.17	0.33	17.47	N/A	N/A	N/A	N/A
458	4.58	2.75	36.42	5.00	5.13E-007	1.95E-003	9.00	37.38	30.00	32.76	39.16	45.99	0.00	0.00	0.00	0.30	0.00	160.51	-0.06	0.00	0.00	0.00	50.30	2.29	74.35	0.36	17.51	N/A	N/A	N/A	N/A
459	4.59	2.74	37.90	5.00	4.70E-007	1.79E-003	10.00	37.24	30.00	32.92	39.63	46.66	0.00	0.00	0.00	0.30	0.00	161.47	-0.06	0.00	0.00	0.00	50.71	2.36	76.06	0.42	17.56	N/A	N/A	N/A	N/A
460	4.60	2.75	42.19	5.00	3.96E-007	1.51E-003	10.00	37.38	30.00	33.32	41.03	48.65	0.00	0.00	0.00	0.30	0.00	164.30	-0.07	0.00	0.00	0.00	51.62	2.49	80.66	0.62	17.68	N/A	N/A	N/A	N/A
461	4.61	2.72	44.30	5.00	3.46E-007	1.30E-003	10.00	36.95	30.00	33.54	41.57	49.44	0.00	0.00	0.00	0.30	0.00	165.39	-0.07	0.00	0.00	0.00	52.17	2.60	83.31	0.66	17.73	N/A	N/A	N/A	N/A
462	4.62	2.65	47.55	5.00	2.72E-007	9.98E-004	10.00	35.97	30.00	33.90	42.26	50.46	0.00	0.00	0.00	0.30	0.00	166.75	-0.08	0.00	0.00	0.00	53.01	2.81	87.79	0.67	17.80	N/A	N/A	N/A	N/A

	In situ data									Estimations																			
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
463	4.63	2.62	48.90	5.00	2.46E-007	8.90E-004	10.00	35.55	30.00	34.05	42.55	50.88	0.00	0.00	0.00	0.30	0.00	167.32	-0.08	0.00	0.00	0.00	53.42	2.91	89.69	0.68	17.83	N/A	N/A	N/A	N/A
464	4.64	2.59	49.60	5.00	2.27E-007	8.12E-004	10.00	35.12	29.00	34.14	42.65	51.04	0.00	0.00	0.00	0.30	0.00	167.51	-0.09	0.00	0.00	0.00	53.73	2.98	90.89	0.68	17.84	N/A	N/A	N/A	N/A
465	4.65	2.54	50.51	4.00	2.01E-007	7.06E-004	10.00	34.42	0.00	0.00	0.00	51.16	15.00	163.92	2.06	0.30	8.95	167.64	0.00	1.00	3.41	0.00	163.92	3.11	92.65	0.58	17.86	N/A	N/A	N/A	N/A
466	4.66	2.53	50.70	4.00	1.96E-007	6.83E-004	10.00	34.28	0.00	0.00	0.00	51.22	15.00	163.24	2.05	0.30	8.90	167.73	0.00	1.00	3.38	0.00	163.24	3.13	92.99	0.58	17.86	N/A	N/A	N/A	N/A
467	4.67	2.52	50.07	4.00	1.96E-007	6.81E-004	10.00	34.14	0.00	0.00	0.00	50.95	15.00	162.56	2.04	0.30	8.85	167.36	0.00	1.00	3.41	0.00	162.56	3.13	92.40	0.58	17.84	N/A	N/A	N/A	N/A
468	4.68	2.52	49.91	4.00	1.96E-007	6.82E-004	10.00	34.13	0.00	0.00	0.00	50.93	15.00	162.55	2.03	0.30	8.83	167.34	0.00	1.00	3.42	0.00	162.55	3.13	92.19	0.58	17.84	N/A	N/A	N/A	N/A
469	4.69	2.53	49.44	4.00	2.02E-007	7.05E-004	10.00	34.27	0.00	0.00	0.00	50.83	15.00	163.20	2.04	0.30	8.85	167.24	0.00	1.00	3.47	0.00	163.20	3.10	91.47	0.58	17.83	N/A	N/A	N/A	N/A
470	4.70	2.58	49.19	4.00	2.20E-007	7.85E-004	10.00	34.97	0.00	0.00	0.00	51.06	15.00	166.52	2.07	0.30	9.00	167.59	0.00	1.00	3.55	0.00	166.52	3.01	90.39	0.58	17.83	N/A	N/A	N/A	N/A
471	4.71	2.61	48.65	5.00	2.35E-007	8.47E-004	10.00	35.39	29.00	34.02	42.70	51.04	0.00	0.00	0.00	0.30	0.00	167.61	-0.08	0.00	0.00	0.00	54.33	2.95	89.32	0.68	17.82	N/A	N/A	N/A	N/A
472	4.72	2.66	47.86	5.00	2.61E-007	9.60E-004	10.00	36.09	30.00	33.90	42.72	51.03	0.00	0.00	0.00	0.30	0.00	167.65	-0.08	0.00	0.00	0.00	54.19	2.85	87.70	0.67	17.81	N/A	N/A	N/A	N/A
473	4.73	2.80	45.91	5.00	3.48E-007	1.35E-003	10.00	38.04	30.00	33.58	42.75	51.00	0.00	0.00	0.00	0.30	0.00	167.72	-0.07	0.00	0.00	0.00	53.67	2.60	83.76	0.66	17.78	N/A	N/A	N/A	N/A
474	4.74	2.89	44.96	5.00	4.11E-007	1.65E-003	10.00	39.30	31.00	33.41	42.86	51.08	0.00	0.00	0.00	0.30	0.00	167.92	-0.07	0.00	0.00	0.00	53.44	2.46	81.71	0.66	17.77	N/A	N/A	N/A	N/A
475	4.75	3.07	42.19	5.00	5.90E-007	2.51E-003	10.00	41.82	32.00	33.02	42.71	50.77	0.00	0.00	0.00	0.30	0.00	167.64	-0.06	0.00	0.00	0.00	52.76	2.20	77.20	0.46	17.72	N/A	N/A	N/A	N/A
476	4.76	3.14	40.86	5.00	6.82E-007	2.98E-003	11.00	42.80	32.00	32.85	42.58	50.53	0.00	0.00	0.00	0.30	0.00	167.37	-0.06	0.00	0.00	0.00	52.54	2.10	75.36	0.40	17.69	N/A	N/A	N/A	N/A
477	4.77	3.20	38.88	5.00	8.00E-007	3.56E-003	11.00	43.63	32.00	32.64	42.18	49.91	0.00	0.00	0.00	0.30	0.00	166.58	-0.06	0.00	0.00	0.00	52.23	2.01	73.07	0.33	17.64	N/A	N/A	N/A	N/A
478	4.78	3.18	38.56	5.00	7.87E-007	3.48E-003	11.00	43.35	32.00	32.62	42.03	49.71	0.00	0.00	0.00	0.30	0.00	166.30	-0.05	0.00	0.00	0.00	52.30	2.02	72.84	0.32	17.63	N/A	N/A	N/A	N/A
479	4.79	3.14	38.21	5.00	7.54E-007	3.29E-003	10.00	42.79	32.00	32.61	41.81	49.40	0.00	0.00	0.00	0.30	0.00	165.85	-0.05	0.00	0.00	0.00	52.39	2.04	72.70	0.32	17.62	N/A	N/A	N/A	N/A
480	4.80	3.03	37.71	5.00	6.60E-007	2.78E-003	10.00	41.25	31.00	32.62	41.28	48.69	0.00	0.00	0.00	0.30	0.00	164.80	-0.05	0.00	0.00	0.00	52.53	2.12	72.88	0.32	17.59	N/A	N/A	N/A	N/A
481	4.81	2.97	37.52	5.00	6.09E-007	2.51E-003	10.00	40.40	31.00	32.64	41.03	48.36	0.00	0.00	0.00	0.30	0.00	164.30	-0.06	0.00	0.00	0.00	52.69	2.18	73.08	0.33	17.57	N/A	N/A	N/A	N/A
482	4.82	2.83	36.98	5.00	5.07E-007	1.99E-003	10.00	38.44	30.00	32.69	40.36	47.48	0.00	0.00	0.00	0.30	0.00	162.96	-0.06	0.00	0.00	0.00	52.90	2.30	73.62	0.34	17.54	N/A	N/A	N/A	N/A
483	4.83	2.77	36.89	5.00	4.63E-007	1.77E-003	10.00	37.60	30.00	32.73	40.13	47.18	0.00	0.00	0.00	0.30	0.00	162.50	-0.06	0.00	0.00	0.00	53.09	2.37	74.04	0.36	17.53	N/A	N/A	N/A	N/A
484	4.84	2.67	36.51	5.00	4.01E-007	1.48E-003	9.00	36.20	29.00	32.78	39.65	46.54	0.00	0.00	0.00	0.30	0.00	161.51	-0.06	0.00	0.00	0.00	53.31	2.48	74.58	0.37	17.50	N/A	N/A	N/A	N/A
485	4.85	2.62	36.35	5.00	3.71E-007	1.34E-003	9.00	35.49	29.00	32.81	39.43	46.25	0.00	0.00	0.00	0.30	0.00	161.06	-0.06	0.00	0.00	0.00	53.48	2.54	74.90	0.38	17.49	N/A	N/A	N/A	N/A
486	4.86	2.53	35.66	5.00	3.29E-007	1.15E-003	9.00	34.23	28.00	32.83	38.87	45.50	0.00	0.00	0.00	0.30	0.00	159.91	-0.06	0.00	0.00	0.00	53.63	2.64	75.09	0.39	17.45	N/A	N/A	N/A	N/A
487	4.87	2.48	35.47	5.00	3.03E-007	1.04E-003	9.00	33.53	28.00	32.86	38.63	45.19	0.00	0.00	0.00	0.30	0.00	159.42	-0.06	0.00	0.00	0.00	53.81	2.71	75.43	0.40	17.44	N/A	N/A	N/A	N/A
488	4.88	2.45	35.28	5.00	2.89E-007	9.76E-004	9.00	33.11	28.00	32.87	38.47	44.97	0.00	0.00	0.00	0.30	0.00	159.10	-0.06	0.00	0.00	0.00	53.94	2.76	75.55	0.40	17.43	N/A	N/A	N/A	N/A
489	4.89	2.45	35.28	5.00	2.88E-007	9.72E-004	9.00	33.10	28.00	32.87	38.50	45.01	0.00	0.00	0.00	0.30	0.00	159.16	-0.06	0.00	0.00	0.00	54.05	2.76	75.53	0.40	17.43	N/A	N/A	N/A	N/A
490	4.90	2.45	35.28	5.00	2.87E-007	9.67E-004	9.00	33.10	28.00	32.87	38.53	45.04	0.00	0.00	0.00	0.30	0.00	159.21	-0.06	0.00	0.00	0.00	54.16	2.76	75.51	0.40	17.43	N/A	N/A	N/A	N/A
491	4.91	2.47	31.91	5.00	3.49E-007	1.19E-003	9.00	33.38	28.00	32.46	37.49	43.55	0.00	0.00	0.00	0.30	0.00	157.06	-0.05	0.00	0.00	0.00	53.43	2.59	71.17	0.28	17.32	N/A	N/A	N/A	N/A
492	4.92	2.51	32.22	5.00	3.66E-007	1.27E-003	9.00	33.94	28.00	32.45	37.79	43.94	0.00	0.00	0.00	0.30	0.00	157.68	-0.05	0.00	0.00	0.00	53.52	2.55	71.09	0.28	17.34	N/A	N/A	N/A	N/A
493	4.93	2.55	32.92	5.00	3.76E-007	1.32E-003	9.00	34.50	28.00	32.49	38.22	44.52	0.00	0.00	0.00	0.30	0.00	158.58	-0.05	0.00	0.00	0.00	53.71	2.53	71.49	0.29	17.37	N/A	N/A	N/A	N/A
494	4.94	2.59	34.87	5.00	3.64E-007	1.30E-003	9.00	35.05	29.00	32.67	39.07	45.70	0.00	0.00	0.00	0.30	0.00	160.34	-0.06	0.00	0.00	0.00	54.19	2.56	73.32	0.34	17.44	N/A	N/A	N/A	N/A
495	4.95	2.60	36.13	5.00	3.47E-007	1.25E-003	9.00	35.19	29.00	32.79	39.56	46.38	0.00	0.00	0.00	0.30	0.00	161.34	-0.06	0.00	0.00	0.00	54.56	2.60	74.65	0.37	17.48	N/A	N/A	N/A	N/A
496	4.96	2.60	37.55	5.00	3.24E-007	1.16E-003	9.00	35.19	29.00	32.94	40.06	47.08	0.00	0.00	0.00	0.30	0.00	162.35	-0.06	0.00	0.00	0.00	54.98	2.66	76.26	0.43	17.52	N/A	N/A	N/A	N/A
497	4.97	2.56	40.55	5.00	2.65E-007	9.34E-004	9.00	34.63	28.00	33.28	40.89	48.28	0.00	0.00	0.00	0.30	0.00	164.01	-0.07	0.00	0.00	0.00	55.82	2.84	80.17	0.59	17.61	N/A	N/A	N/A	N/A
498	4.98	2.54	41.90	5.00	2.41E-007	8.43E-004	9.00	34.34	28.00	33.43	41.25	48.81	0.00	0.00	0.00	0.30	0.00	164.75	-0.07	0.00	0.00	0.00	56.26	2.93	81.96	0.66	17.64	N/A	N/A	N/A	N/A
499	4.99	2.52	43.32	5.00	2.19E-007	7.59E-004	9.00	34.06	28.00	33.59	41.63	49.36	0.00	0.00	0.00	0.30	0.00	165.51	-0.07	0.00	0.00	0.00	56.71	3.02	83.83	0.66	17.68	N/A	N/A	N/A	N/A
500	5.00	2.50	45.62	4.00	1.92E-007	6.61E-004	9.00	33.78	0.00	0.00	0.00	50.27	15.00	160.85	1.88	0.30	8.25	166.76	0.00	1.00	3.70	0.00	160.85	3.15	86.72	0.58	17.73	N/A	N/A	N/A	N/A
501	5.01	2.52	46.35	4.00	1.92E-007	6.68E-004	10.00	34.06	0.00	0.00	0.00	50.73	15.00	162.17	1.89	0.30	8.30	167.42	0.00	1.00	3.67	0.00	162.17	3.15	87.22	0.58	17.75	N/A	N/A	N/A	N/A
502	5.02	2.56	47.45	4.00	1.97E-007	6.94E-004	10.00	34.61	0.00	0.00	0.00	51.45	15.00	164.83	1.92	0.30	8.42	168.45	0.00	1.00	3.65	0.00	164.83	3.13	87.84	0.58	17.79	N/A	N/A	N/A	N/A
503	5.03	2.59	48.18	4.00	2.00E-007	7.16E-004	10.00	35.03	0.00	0.00	0.00	51.96	15.00	166.82	1.94	0.30	8.51	169.18	0.00	1.00	3.64	0.00	166.82	3.11	88.19	0.58	17.81	N/A	N/A	N/A	N/A
504	5.04	2.68	49.12	5.00	2.23E-007	8.26E-004	10.00	36.29	29.00	33.91	44.19	52.89	0.00	0.00	0.00	0.30	0.00	170.51	-0.08	0.00	0.00	0.00	58.01	3.00	87.91	0.67	17.85	N/A	N/A	N/A	N/A
505	5.05	2.74	49.66	5.00	2.40E-007	9.08E-004	10.00	37.13	29.00	33.89	44.63	53.48	0.00	0.00	0.00	0.30	0.00	171.35	-0.08	0.00	0.00	0.00	58.08	2.93	87.65	0.67	17.87	N/A	N/A	N/A	N/A
506	5.06	2.85	50.20	5.00	2.78E-007	1.09E-003	10.00	38.67	30.00	33.82	45.27	54.32	0.00	0.00	0.00	0.30	0.00	172.58	-0.08	0.00	0.00	0.00	58.05	2.79	86.76	0.67	17.89	N/A	N/A	N/A	N/A
507	5.07	2.90	50.48	5.00	2.95E-007	1.18E-003	11.00	39.36	30.00	33.79	45.58	54.74	0.00	0.00	0.00	0.30	0.00	173.17	-0.08	0.00	0.00	0.00	58.11	2.74	86.40	0.67	17.91	N/A	N/A	N/A	N/A
508	5.08	2.96	50.61	5.00	3.19E-007	1.31E-003	11.00	40.20	30.00	33.75	45.89	55.14	0.00	0.00	0.00	0.30	0.00	173.76	-0.08	0.00	0.00	0.00	58.12	2.67	85.79	0.67	17.92	N/A	N/A	N/A	N/A
509	5.09	2.97	50.42	5.00	3.25E-007	1.33E-003	11.00	40.34	30.00	33.72	45.90	55.15	0.00	0.00	0.00	0.30	0.00	173.79	-0.08	0.00	0.00	0.00	58.18	2.65	85.46	0.67	17.91	N/A	N/A	N/A	N/A
510	5.10	2.97	50.32	5.00	3.24E-007	1.33E-003	11.00	40.34	30.00	33.71	45.91	55.15	0.00	0.00	0.00	0.30	0.00	173.79	-0.08	0.00	0.00	0.00	58.28	2.66	85.33	0.67	17.91	N/A	N/A	N/A	N/A
511	5.11	2.96	50.04	5.00	3.21E-007	1.32E-003	11.00	40.19	30.00	33.69	45.82	55.02	0.00	0.00	0.00	0.30	0.00	173.63	-0.08	0.00	0.00	0.00	58.36	2.66	85.14	0.67	17.90	N/A	N/A	N/A	N/A
512	5.12	2.94	49.47	5.00	3.17E-007	1.29E-003	11.00	39.91	30.00	33.66	45.60	54.72	0.00	0.00	0.00	0.30	0.00	173.22	-0.08	0.00	0.00	0.00	58.42	2.67	84.77	0.67	17.89	N/A	N/A	N/A	N/A
513	5.13	2.88	49.69	5.00	2.87E-007	1.14E-003	10.00	39.07	30.00	33.74	45.46	54.54	0.00	0.00	0.00	0.30	0.00	172.95	-0.08	0.00	0.00	0.00	58.70	2.76	85.67	0.67	17.89	N/A	N/A	N/A	N/A
514	5.14	2.85	50.35	5.00	2.67E-007	1.05E-003	10.00	38.65	30.00	33.82	45.57	54.70	0.00	0.00	0.00	0.30	0.00	173.16	-0.08	0.00	0.00	0.00	59.00	2.83	86.70	0.67	17.90	N/A	N/A	N/A	N/A
515	5.15	2.81	51.33	5.00	2.41E-007	9.37E-004	10.00	38.08	29.00	33.94	45.73	54.94	0.00	0.00	0.00	0.30	0.00	173.45	-0.08	0.00	0.00	0.00	59.38	2.92	88.20	0.67	17.91	N/A	N/A	N/A	N/A
516	5.16	2.80	52.31	5.00	2.29E-007	8.85E-004	10.00	37.94	29.00	34.02	46.00	55.33	0.00	0.00	0.00	0.30	0.00	173.97	-0.08	0.00	0.00	0.00	59.70	2.98	89.31	0.68	17.93	N/A	N/A	N/A	N/A
517	5.17	2.78	53.25	4.00	2.14E-007	8.21E-004	10.00	37.66	0.00	0.00	0.00	55.65	15.00	179.32	2.02	0.30	8.92	174.38	0.00	1.00	3.54	0.00	179.32	3.04	90.53	0.58	17.95	N/A	N/A	N/A	N/A
518	5.18	2.75	54.07	4.00	1.98E-007	7.50E-004	10.00	37.24	0.00	0.00	0.00	55.86	15.00	177.31	2.00	0.30	8.81	174.64	0.00	1.00	3.44	0.00	177.31	3.12	91.77	0.58	17.97	N/A	N/A	N/A	N/A
519	5.19	2.74	54.29	4.00	1.92E-007	7.27E-004	10.00	37.09	0.00	0.00	0.00	55.93	15.00	176.63	1.99	0.30	8.77	174.74	0.00	1.00	3.42	0.00	176.63	3.15	92.11	0.58	17.97	N/A	N/A	N/A	N/A
520	5.20	2.75	54.45	4.00	1.93E-007	7.34E-004	10.00	37.23	0.00	0.00	0.00	56.09	15.00	177.29	1.99	0.30	8.78	174.97	0.00	1.00	3.42	0.00	177.29	3.15	92.11	0.58	17.97	N/A	N/A	N/A	N/A
521	5.21	2.77	54.29	4.00	2.00E-007	7.64E-004	10.00	37.51	0.00	0.00	0.00	56.18	15.00	178.61	2.00	0.30	8.83	175.11	0.00	1.00	3.45	0.00	178.61	3.11	91.63	0.58	17.97	N/A	N/A	N/A	N/A
522	5.22	2.83	53.85	4.00	2.21E-007	8.66E-004	11.00	38.35	0.00	0.00	0.00	56.36	15.00	182.60	2.04	0.30	9.01	175.40	0.00	1.00	3.56	0.00	182.60	3.01	90.33	0.58	17.97	N/A	N/A	N/A	N/A
523	5.23	2.87	53.79	5.00	2.35E-007	9.31E-004	11.00	38.90	29.00	34.05	46.94	56.60	0.00	0.00	0.00	0.30	0.00	175.74	-0.08	0.00	0.00	0.00	60.62	2.95	89.70	0.68	17.98	N/A	N/A	N/A	N/A
524	5.24	2.90	53.82	5.00	2.44E-007	9.79E-004	11.00	39.32	30.00	34.02	47.11	56.81	0.00	0.00	0.00	0.30	0.00	176.05	-0.08	0.00	0.00	0.00	60.67	2.91	89.32	0.68	17.98	N/A	N/A	N/A	N/A
525	5.25	2.96	53.98	5.00	2.64E-007	1.08E-003	11.00	40.16	30.00	33.97	47.43	57.23	0.00	0.00	0.00	0.30	0.00	176.65	-0.08	0.00	0.00	0.00	60.68	2.84	88.69	0.67	17.99	N/A	N/A	N/A	N/A
526	5.26	2.99	54.36	5.00	2.72E-007	1.12E-003	11.00	40.58	30.00	33.97	47.69	57.58	0.00	0.00	0.00	0.30	0.00	177.13	-0.08	0.00	0.00	0.00	60.80	2.81	88.67	0.67	18.00	N/A	N/A	N/A	N/A
527	5.27	3.00	54.77	5.00	2.71E-007	1.12E-003	11.00	40.71	30.00	33.99	47.88	57.85	0.00	0.00	0.00	0.30	0.00	177.49	-0.08	0.00	0.00	0.00	60.96	2.82	88.92	0.67	18.01	N/A	N/A	N/A	N/A
528	5.28	3.01	54.61	5.00	2.75E-007	1.14E-003	11.00	40.85	30.00	33.97	47.91	57.87	0.00	0.00	0.00	0.30	0.00	177.54	-0.08	0.00	0.00	0.00	61.03	2.80	88.62	0.67	18.01	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
529	5.29	3.01	54.26	5.00	2.77E-007	1.15E-003	11.00	40.85	30.00	33.94	47.84	57.77	0.00	0.00	0.00	0.30	0.00	177.41	-0.08	0.00	0.00	0.00	61.09	2.80	88.25	0.67	18.00	N/A	N/A	N/A	N/A
530	5.30	2.97	53.85	5.00	2.64E-007	1.08E-003	11.00	40.29	30.00	33.94	47.60	57.43	0.00	0.00	0.00	0.30	0.00	176.96	-0.08	0.00	0.00	0.00	61.22	2.84	88.30	0.67	17.99	N/A	N/A	N/A	N/A
531	5.31	2.95	54.07	5.00	2.53E-007	1.03E-003	11.00	40.00	30.00	33.98	47.61	57.46	0.00	0.00	0.00	0.30	0.00	176.99	-0.08	0.00	0.00	0.00	61.42	2.88	88.74	0.67	17.99	N/A	N/A	N/A	N/A
532	5.32	2.88	54.39	5.00	2.25E-007	8.94E-004	11.00	39.02	29.00	34.07	47.45	57.26	0.00	0.00	0.00	0.30	0.00	176.70	-0.08	0.00	0.00	0.00	61.75	2.99	89.93	0.68	17.99	N/A	N/A	N/A	N/A
533	5.33	2.85	54.52	4.00	2.13E-007	8.38E-004	11.00	38.60	0.00	0.00	0.00	57.19	15.00	183.80	2.01	0.30	8.90	176.60	0.00	1.00	3.54	0.00	183.80	3.05	90.43	0.58	17.99	N/A	N/A	N/A	N/A
534	5.34	2.76	55.27	4.00	1.80E-007	6.85E-004	11.00	37.34	0.00	0.00	0.00	57.04	15.00	177.79	1.94	0.30	8.61	176.36	0.00	1.00	3.38	0.00	177.79	3.22	92.41	0.58	17.99	N/A	N/A	N/A	N/A
535	5.35	2.71	55.18	4.00	1.66E-007	6.20E-004	10.00	36.63	0.00	0.00	0.00	56.77	15.00	174.45	1.90	0.30	8.43	175.98	0.00	1.00	3.32	0.00	174.45	3.31	93.01	0.58	17.98	N/A	N/A	N/A	N/A
536	5.36	2.68	55.18	4.00	1.57E-007	5.81E-004	10.00	36.21	0.00	0.00	0.00	56.64	15.00	172.43	1.87	0.30	8.32	175.80	0.00	1.00	3.28	0.00	172.43	3.37	93.42	0.58	17.98	N/A	N/A	N/A	N/A
537	5.37	2.61	55.08	4.00	1.40E-007	5.03E-004	10.00	35.23	0.00	0.00	0.00	56.24	15.00	167.75	1.82	0.30	8.09	175.23	0.00	1.00	3.20	0.00	167.75	3.50	94.34	0.58	17.97	N/A	N/A	N/A	N/A
538	5.38	2.58	54.67	4.00	1.34E-007	4.77E-004	10.00	34.81	0.00	0.00	0.00	55.94	15.00	165.74	1.79	0.30	7.98	174.83	0.00	1.00	3.18	0.00	165.74	3.55	94.34	0.58	17.95	N/A	N/A	N/A	N/A
539	5.39	2.55	53.57	4.00	1.32E-007	4.63E-004	10.00	34.38	0.00	0.00	0.00	55.36	15.00	163.73	1.77	0.30	7.87	174.05	0.00	1.00	3.21	0.00	163.73	3.57	93.61	0.58	17.93	N/A	N/A	N/A	N/A
540	5.40	2.55	53.35	4.00	1.32E-007	4.64E-004	10.00	34.38	0.00	0.00	0.00	55.31	15.00	163.72	1.77	0.30	7.86	174.00	0.00	1.00	3.22	0.00	163.72	3.56	93.35	0.58	17.92	N/A	N/A	N/A	N/A
541	5.41	2.55	52.47	4.00	1.36E-007	4.76E-004	10.00	34.38	0.00	0.00	0.00	54.99	15.00	163.71	1.76	0.30	7.84	173.59	0.00	1.00	3.28	0.00	163.71	3.53	92.39	0.58	17.90	N/A	N/A	N/A	N/A
542	5.42	2.55	51.77	4.00	1.39E-007	4.86E-004	10.00	34.38	0.00	0.00	0.00	54.74	15.00	163.70	1.76	0.30	7.83	173.27	0.00	1.00	3.32	0.00	163.70	3.51	91.61	0.58	17.89	N/A	N/A	N/A	N/A
543	5.43	2.57	51.05	4.00	1.46E-007	5.17E-004	10.00	34.65	0.00	0.00	0.00	54.59	15.00	165.02	1.77	0.30	7.88	173.10	0.00	1.00	3.39	0.00	165.02	3.45	90.52	0.58	17.87	N/A	N/A	N/A	N/A
544	5.44	2.63	49.34	4.00	1.72E-007	6.20E-004	10.00	35.49	0.00	0.00	0.00	54.25	15.00	169.01	1.81	0.30	8.05	172.70	0.00	1.00	3.60	0.00	169.01	3.27	87.80	0.58	17.84	N/A	N/A	N/A	N/A
545	5.45	2.67	48.59	4.00	1.87E-007	6.89E-004	10.00	36.05	0.00	0.00	0.00	54.18	15.00	171.66	1.83	0.30	8.16	172.66	0.00	1.00	3.71	0.00	171.66	3.18	86.42	0.58	17.83	N/A	N/A	N/A	N/A
546	5.46	2.75	46.82	5.00	2.27E-007	8.59E-004	10.00	37.17	28.00	33.56	45.13	53.88	0.00	0.00	0.00	0.30	0.00	172.32	-0.07	0.00	0.00	0.00	62.23	2.98	83.48	0.66	17.80	N/A	N/A	N/A	N/A
547	5.47	2.78	46.19	5.00	2.42E-007	9.29E-004	10.00	37.58	28.00	33.47	45.09	53.79	0.00	0.00	0.00	0.30	0.00	172.24	-0.07	0.00	0.00	0.00	62.15	2.92	82.43	0.66	17.79	N/A	N/A	N/A	N/A
548	5.48	2.80	44.74	5.00	2.63E-007	1.02E-003	10.00	37.86	28.00	33.32	44.75	53.28	0.00	0.00	0.00	0.30	0.00	171.58	-0.07	0.00	0.00	0.00	61.91	2.84	80.65	0.62	17.75	N/A	N/A	N/A	N/A
549	5.49	2.83	44.11	5.00	2.82E-007	1.10E-003	10.00	38.28	29.00	33.23	44.69	53.19	0.00	0.00	0.00	0.30	0.00	171.48	-0.07	0.00	0.00	0.00	61.82	2.78	79.63	0.57	17.74	N/A	N/A	N/A	N/A
550	5.50	2.86	44.05	5.00	2.94E-007	1.16E-003	10.00	38.70	29.00	33.20	44.82	53.35	0.00	0.00	0.00	0.30	0.00	171.73	-0.07	0.00	0.00	0.00	61.85	2.74	79.21	0.55	17.74	N/A	N/A	N/A	N/A
551	5.51	2.88	44.49	5.00	2.97E-007	1.18E-003	10.00	38.98	29.00	33.22	45.07	53.68	0.00	0.00	0.00	0.30	0.00	172.21	-0.07	0.00	0.00	0.00	62.01	2.73	79.42	0.56	17.76	N/A	N/A	N/A	N/A
552	5.52	2.85	45.09	5.00	2.76E-007	1.08E-003	10.00	38.55	29.00	33.30	45.18	53.84	0.00	0.00	0.00	0.30	0.00	172.41	-0.07	0.00	0.00	0.00	62.32	2.80	80.35	0.60	17.77	N/A	N/A	N/A	N/A
553	5.53	2.76	49.85	4.00	2.00E-007	7.61E-004	10.00	37.29	0.00	0.00	0.00	55.52	15.00	177.58	1.87	0.30	8.33	174.56	0.00	1.00	3.74	0.00	177.58	3.11	86.34	0.58	17.87	N/A	N/A	N/A	N/A
554	5.54	2.72	53.25	4.00	1.66E-007	6.22E-004	10.00	36.73	0.00	0.00	0.00	56.78	15.00	174.90	1.84	0.30	8.20	176.19	0.00	1.00	3.45	0.00	174.90	3.31	90.36	0.58	17.94	N/A	N/A	N/A	N/A
555	5.55	2.62	58.01	4.00	1.20E-007	4.32E-004	10.00	35.33	0.00	0.00	0.00	58.19	15.00	168.22	1.76	0.30	7.88	177.95	0.00	1.00	3.04	0.00	168.22	3.68	96.67	0.58	18.03	N/A	N/A	N/A	N/A
556	5.56	2.57	59.34	4.00	1.05E-007	3.72E-004	10.00	34.62	0.00	0.00	0.00	58.46	15.00	164.88	1.72	0.30	7.71	178.27	0.00	1.00	2.92	0.00	164.88	3.84	98.77	0.58	18.05	N/A	N/A	N/A	N/A
557	5.57	2.50	61.07	4.00	8.80E-008	3.02E-004	10.00	33.64	0.00	0.00	0.00	58.75	15.00	160.20	1.67	0.30	7.48	178.60	0.00	1.00	2.75	0.00	160.20	4.07	101.63	0.58	18.07	N/A	N/A	N/A	N/A
558	5.58	2.47	61.80	4.00	8.13E-008	2.75E-004	10.00	33.22	0.00	0.00	0.00	58.88	15.00	158.18	1.65	0.30	7.38	178.76	0.00	1.00	2.69	0.00	158.18	4.18	102.84	0.58	18.08	N/A	N/A	N/A	N/A
559	5.59	2.44	62.27	4.00	7.56E-008	2.53E-004	10.00	32.80	0.00	0.00	0.00	58.92	15.00	156.17	1.62	0.30	7.27	178.78	0.00	1.00	2.63	0.00	156.17	4.28	103.78	0.58	18.08	N/A	N/A	N/A	N/A
560	5.60	2.35	64.95	4.00	5.89E-008	1.89E-004	10.00	31.53	0.00	0.00	0.00	59.38	15.00	150.16	1.56	0.30	6.99	179.31	0.00	1.00	2.43	0.00	150.16	4.64	108.00	0.58	18.12	N/A	N/A	N/A	N/A
561	5.61	2.31	66.28	4.00	5.23E-008	1.65E-004	10.00	30.97	0.00	0.00	0.00	59.64	15.00	147.48	1.53	0.30	6.85	179.63	0.00	1.00	2.34	0.00	147.48	4.82	110.00	0.58	18.13	N/A	N/A	N/A	N/A
562	5.62	2.26	67.92	4.00	4.51E-008	1.39E-004	10.00	30.27	0.00	0.00	0.00	59.93	15.00	144.13	1.49	0.30	6.69	179.97	0.00	1.00	2.23	0.00	144.13	5.05	112.48	0.58	18.15	N/A	N/A	N/A	N/A
563	5.63	2.13	70.50	4.00	3.21E-008	9.31E-005	10.00	28.45	0.00	0.00	0.00	59.96	15.00	135.45	1.40	0.30	6.28	179.91	0.00	1.00	2.02	0.00	135.45	5.61	117.34	0.58	18.17	N/A	N/A	N/A	N/A
564	5.64	2.09	70.53	4.00	2.94E-008	8.34E-005	9.00	27.88	0.00	0.00	0.00	59.71	15.00	132.77	1.37	0.30	6.15	179.57	0.00	1.00	1.98	0.00	132.77	5.76	118.05	0.58	18.17	N/A	N/A	N/A	N/A
565	5.65	2.00	69.27	3.00	2.48E-008	6.74E-005	9.00	26.62	0.00	0.00	0.00	58.64	15.00	126.76	1.30	0.30	5.86	178.13	0.00	1.00	1.92	0.00	126.76	6.06	118.39	0.58	18.13	N/A	N/A	N/A	N/A
566	5.66	1.96	67.79	3.00	2.35E-008	6.25E-005	9.00	26.06	0.00	0.00	0.00	57.85	15.00	124.08	1.27	0.30	5.73	177.10	0.00	1.00	1.92	0.00	124.08	6.16	117.59	0.58	18.10	N/A	N/A	N/A	N/A
567	5.67	1.88	62.97	3.00	2.24E-008	5.68E-005	9.00	24.93	0.00	0.00	0.00	55.57	15.00	118.74	1.22	0.30	5.47	174.05	0.00	1.00	1.98	0.00	118.74	6.26	114.08	0.58	18.00	N/A	N/A	N/A	N/A
568	5.68	1.82	60.51	3.00	2.07E-008	5.09E-005	8.00	24.09	0.00	0.00	0.00	54.25	15.00	114.72	1.17	0.30	5.28	172.25	0.00	1.00	1.99	0.00	114.72	6.40	112.54	0.58	17.94	N/A	N/A	N/A	N/A
569	5.69	1.78	58.80	3.00	1.97E-008	4.73E-005	8.00	23.53	0.00	0.00	0.00	53.35	15.00	112.05	1.14	0.30	5.14	171.01	0.00	1.00	2.00	0.00	112.05	6.50	111.40	0.58	17.90	N/A	N/A	N/A	N/A
570	5.70	1.73	56.88	3.00	1.84E-008	4.27E-005	8.00	22.83	0.00	0.00	0.00	52.28	15.00	108.70	1.11	0.30	4.98	169.53	0.00	1.00	2.01	0.00	108.70	6.63	110.19	0.58	17.85	N/A	N/A	N/A	N/A
571	5.71	1.72	56.88	3.00	1.78E-008	4.12E-005	8.00	22.68	0.00	0.00	0.00	52.24	15.00	108.02	1.10	0.30	4.94	169.47	0.00	1.00	1.99	0.00	108.02	6.70	110.31	0.58	17.84	N/A	N/A	N/A	N/A
572	5.72	1.71	57.54	3.00	1.69E-008	3.88E-005	8.00	22.54	0.00	0.00	0.00	52.44	15.00	107.34	1.09	0.30	4.90	169.74	0.00	1.00	1.96	0.00	107.34	6.80	111.14	0.58	17.85	N/A	N/A	N/A	N/A
573	5.73	1.75	60.41	3.00	1.70E-008	4.01E-005	8.00	23.10	0.00	0.00	0.00	53.86	15.00	110.02	1.12	0.30	5.02	171.70	0.00	1.00	1.91	0.00	110.02	6.78	113.40	0.58	17.92	N/A	N/A	N/A	N/A
574	5.74	1.81	61.58	3.00	1.91E-008	4.66E-005	8.00	23.95	0.00	0.00	0.00	54.81	15.00	114.04	1.15	0.30	5.19	173.05	0.00	1.00	1.94	0.00	114.04	6.56	113.49	0.58	17.95	N/A	N/A	N/A	N/A
575	5.75	2.02	63.15	4.00	2.97E-008	8.14E-005	9.00	26.90	0.00	0.00	0.00	57.04	15.00	128.07	1.29	0.30	5.81	176.19	0.00	1.00	2.13	0.00	128.07	5.74	111.31	0.58	18.03	N/A	N/A	N/A	N/A
576	5.76	2.16	63.60	4.00	3.94E-008	1.16E-004	9.00	28.86	0.00	0.00	0.00	58.26	15.00	137.42	1.39	0.30	6.23	177.90	0.00	1.00	2.27	0.00	137.42	5.26	109.24	0.58	18.06	N/A	N/A	N/A	N/A
577	5.77	2.37	64.57	4.00	5.77E-008	1.87E-004	10.00	31.81	0.00	0.00	0.00	60.11	15.00	151.46	1.52	0.30	6.85	180.42	0.00	1.00	2.46	0.00	151.46	4.67	106.54	0.58	18.11	N/A	N/A	N/A	N/A
578	5.78	2.47	66.24	4.00	6.58E-008	2.23E-004	10.00	33.21	0.00	0.00	0.00	61.43	15.00	158.12	1.59	0.30	7.14	182.17	0.00	1.00	2.51	0.00	158.12	4.48	106.46	0.58	18.16	N/A	N/A	N/A	N/A
579	5.79	2.60	68.77	4.00	7.66E-008	2.73E-004	11.00	35.02	0.00	0.00	0.00	63.25	15.00	166.77	1.67	0.30	7.51	184.53	0.00	1.00	2.55	0.00	166.77	4.26	106.73	0.58	18.22	N/A	N/A	N/A	N/A
580	5.80	2.60	70.85	4.00	7.21E-008	2.57E-004	11.00	35.02	0.00	0.00	0.00	64.07	15.00	166.76	1.67	0.30	7.50	185.55	0.00	1.00	2.47	0.00	166.76	4.35	108.66	0.58	18.26	N/A	N/A	N/A	N/A
581	5.81	2.57	73.40	4.00	6.37E-008	2.25E-004	11.00	34.60	0.00	0.00	0.00	64.85	15.00	164.74	1.65	0.30	7.40	186.49	0.00	1.00	2.36	0.00	164.74	4.52	111.51	0.58	18.29	N/A	N/A	N/A	N/A
582	5.82	2.45	78.76	4.00	4.47E-008	1.50E-004	11.00	32.91	0.00	0.00	0.00	65.99	15.00	156.73	1.56	0.30	7.03	187.80	0.00	1.00	2.09	0.00	156.73	5.06	118.47	0.58	18.35	N/A	N/A	N/A	N/A
583	5.83	2.41	81.28	4.00	3.89E-008	1.28E-004	11.00	32.35	0.00	0.00	0.00	66.62	15.00	154.05	1.53	0.30	6.90	188.55	0.00	1.00	1.99	0.00	154.05	5.28	121.41	0.58	18.38	N/A	N/A	N/A	N/A
584	5.84	2.39	86.52	4.00	3.30E-008	1.08E-004	11.00	32.07	0.00	0.00	0.00	68.28	15.00	152.70	1.52	0.30	6.82	190.53	0.00	1.00	1.85	0.00	152.70	5.56	126.40	0.58	18.45	N/A	N/A	N/A	N/A
585	5.85	2.33	87.68	3.00	2.86E-008	9.10E-005	11.00	31.22	0.00	0.00	0.00	68.27	15.00	148.68	1.47	0.30	6.63	190.48	0.00	1.00	1.78	0.00	148.68	5.81	128.42	0.58	18.46	N/A	N/A	N/A	N/A
586	5.86	2.15	87.84	3.00	1.98E-008	5.79E-005	10.00	28.70	0.00	0.00	0.00	66.97	15.00	136.66	1.35	0.30	6.09	188.81	0.00	1.00	1.63	0.00	136.66	6.49	131.66	0.58	18.43	N/A	N/A	N/A	N/A
587	5.87	2.04	86.68	3.00	1.60E-008	4.42E-005	10.00	27.16	0.00	0.00	0.00	65.76	15.00	129.32	1.28	0.30	5.75	187.27	0.00	1.00	1.57	0.00	129.32	6.91	132.49	0.58	18.39	N/A	N/A	N/A	N/A
588	5.88	1.84	86.20	3.00	1.01E-008	2.50E-005	9.00	24.35	0.00	0.00	0.00	63.93	15.00	115.97	1.14	0.30	5.15	184.88	0.00	1.00	1.41	0.00	115.97	7.89	135.41	0.58	18.35	N/A	N/A	N/A	N/A
589	5.89	1.84	86.20	3.00	1.00E-008	2.49E-005	9.00	24.35	0.00	0.00	0.00	63.98	15.00	115.96	1.14	0.30	5.14	184.95	0.00	1.00	1.41	0.00	115.96	7.90	135.32	0.58	18.35	N/A	N/A	N/A	N/A
590	5.90	1.84	86.20	3.00	9.98E-009	2.48E-005	9.00	24.35	0.00	0.00	0.00	64.02	15.00	115.94	1.14	0.30	5.13	185.01	0.00	1.00	1.41	0.00	115.94	7.91	135.24	0.58	18.35	N/A	N/A	N/A	N/A
591	5.91	1.82	75.04	3.00	1.24E-008	3.04E-005	9.00	24.06	0.00	0.00	0.00	60.29	15.00	114.57	1.12	0.30	5.06	180.35	0.00	1.00	1.60	0.00	114.57	7.44	125.41	0.58	18.18	N/A	N/A	N/A	N/A
592	5.92	1.75	75.64	3.00	1.02E-008	2.39E-005	9.00	23.08	0.00	0.00	0.00	59.92	15.00	109.90	1.08	0.30	4.84	179.82	0.00	1.00	1.53	0.00	109.90	7.87	127.06	0.58	18.18	N/A	N/A	N/A	N/A
593	5.93	1.76	75.61	3.00	1.04E-008	2.46E-005	9.00	23.22	0.00	0.00	0.00	60.05	15.00	110.56	1.08	0.30	4.86	180.00	0.00	1.00	1.54	0.00	110.56	7.82	126.80	0.58	18.18	N/A	N/A	N/A	N/A
594	5.94	1.77	74.95	3.00	1.08E-008	2.57E-005	9.00	23.36	0.00	0.00	0.00	59.96	15.00	111.22	1.09	0.30	4.88	179.91	0.00	1.00	1.56	0.00	111.22	7.74	125.95	0.58	18.17	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
595	5.95	1.87	72.74	3.00	1.46E-008	3.69E-005	9.00	24.75	0.00	0.00	0.00	60.12	15.00	117.88	1.15	0.30	5.17	180.22	0.00	1.00	1.70	0.00	117.88	7.09	122.14	0.58	18.16	N/A	N/A	N/A	N/A
596	5.96	1.90	71.95	3.00	1.60E-008	4.10E-005	9.00	25.17	0.00	0.00	0.00	60.14	15.00	119.87	1.17	0.30	5.24	180.28	0.00	1.00	1.75	0.00	119.87	6.91	120.82	0.58	18.15	N/A	N/A	N/A	N/A
597	5.97	1.91	70.78	3.00	1.68E-008	4.34E-005	9.00	25.31	0.00	0.00	0.00	59.86	15.00	120.52	1.17	0.30	5.26	179.94	0.00	1.00	1.79	0.00	120.52	6.81	119.48	0.58	18.14	N/A	N/A	N/A	N/A
598	5.98	1.92	69.71	3.00	1.76E-008	4.57E-005	9.00	25.45	0.00	0.00	0.00	59.61	15.00	121.18	1.17	0.30	5.28	179.64	0.00	1.00	1.83	0.00	121.18	6.71	118.23	0.58	18.12	N/A	N/A	N/A	N/A
599	5.99	1.90	69.33	3.00	1.69E-008	4.34E-005	9.00	25.16	0.00	0.00	0.00	59.36	15.00	119.83	1.16	0.30	5.22	179.32	0.00	1.00	1.81	0.00	119.83	6.80	118.15	0.58	18.11	N/A	N/A	N/A	N/A
600	6.00	1.89	69.84	3.00	1.62E-008	4.14E-005	9.00	25.02	0.00	0.00	0.00	59.50	15.00	119.15	1.15	0.30	5.18	179.50	0.00	1.00	1.79	0.00	119.15	6.88	118.74	0.58	18.12	N/A	N/A	N/A	N/A
601	6.01	1.92	69.71	3.00	1.74E-008	4.51E-005	9.00	25.44	0.00	0.00	0.00	59.74	15.00	121.14	1.17	0.30	5.25	179.84	0.00	1.00	1.82	0.00	121.14	6.74	118.06	0.58	18.12	N/A	N/A	N/A	N/A
602	6.02	1.93	69.90	3.00	1.76E-008	4.60E-005	9.00	25.58	0.00	0.00	0.00	59.93	15.00	121.80	1.17	0.30	5.27	180.10	0.00	1.00	1.83	0.00	121.80	6.71	118.01	0.58	18.13	N/A	N/A	N/A	N/A
603	6.03	1.94	71.60	3.00	1.72E-008	4.50E-005	9.00	25.71	0.00	0.00	0.00	60.65	15.00	122.45	1.18	0.30	5.29	181.03	0.00	1.00	1.80	0.00	122.45	6.77	119.39	0.58	18.16	N/A	N/A	N/A	N/A
604	6.04	1.93	71.57	3.00	1.67E-008	4.35E-005	9.00	25.57	0.00	0.00	0.00	60.60	15.00	121.77	1.17	0.30	5.25	180.97	0.00	1.00	1.79	0.00	121.77	6.82	119.47	0.58	18.15	N/A	N/A	N/A	N/A
605	6.05	1.83	68.96	3.00	1.40E-008	3.46E-005	9.00	24.17	0.00	0.00	0.00	58.91	15.00	115.09	1.10	0.30	4.96	178.74	0.00	1.00	1.75	0.00	115.09	7.18	118.59	0.58	18.09	N/A	N/A	N/A	N/A
606	6.06	1.77	67.54	3.00	1.25E-008	2.97E-005	9.00	23.33	0.00	0.00	0.00	57.94	15.00	111.08	1.06	0.30	4.78	177.45	0.00	1.00	1.73	0.00	111.08	7.42	118.15	0.58	18.05	N/A	N/A	N/A	N/A
607	6.07	1.68	64.67	3.00	1.06E-008	2.40E-005	8.00	22.06	0.00	0.00	0.00	56.19	15.00	105.06	1.00	0.30	4.51	175.08	0.00	1.00	1.71	0.00	105.06	7.77	116.77	0.58	17.98	N/A	N/A	N/A	N/A
608	6.08	1.68	63.60	3.00	1.09E-008	2.46E-005	8.00	22.06	0.00	0.00	0.00	55.85	15.00	105.05	1.00	0.30	4.50	174.64	0.00	1.00	1.73	0.00	105.05	7.71	115.66	0.58	17.96	N/A	N/A	N/A	N/A
609	6.09	1.65	63.60	3.00	1.00E-008	2.21E-005	8.00	21.64	0.00	0.00	0.00	55.63	15.00	103.04	0.98	0.30	4.41	174.32	0.00	1.00	1.70	0.00	103.04	7.90	116.08	0.58	17.96	N/A	N/A	N/A	N/A
610	6.10	1.61	64.04	3.00	8.81E-009	1.89E-005	8.00	21.07	0.00	0.00	0.00	55.46	15.00	100.36	0.95	0.30	4.28	174.07	0.00	1.00	1.65	0.00	100.36	8.20	117.07	0.58	17.96	N/A	N/A	N/A	N/A
611	6.11	1.54	65.96	3.00	6.77E-009	1.35E-005	8.00	19.51	0.00	0.00	0.00	55.52	15.00	95.68	0.91	0.30	4.08	174.08	0.00	1.00	1.52	0.00	95.68	8.82	119.93	0.62	17.97	N/A	N/A	N/A	N/A
612	6.12	1.54	66.28	3.00	6.67E-009	1.32E-005	8.00	19.47	0.00	0.00	0.00	55.67	15.00	95.67	0.90	0.30	4.07	174.29	0.00	1.00	1.52	0.00	95.67	8.86	120.17	0.63	17.98	N/A	N/A	N/A	N/A
613	6.13	1.57	66.56	3.00	7.20E-009	1.49E-005	8.00	20.26	0.00	0.00	0.00	56.09	15.00	97.66	0.92	0.30	4.15	174.88	0.00	1.00	1.54	0.00	97.66	8.67	119.91	0.58	17.99	N/A	N/A	N/A	N/A
614	6.14	1.59	67.44	3.00	7.41E-009	1.57E-005	8.00	20.77	0.00	0.00	0.00	56.62	15.00	98.98	0.93	0.30	4.20	175.61	0.00	1.00	1.54	0.00	98.98	8.60	120.38	0.58	18.01	N/A	N/A	N/A	N/A
615	6.15	1.60	67.76	3.00	7.52E-009	1.60E-005	8.00	20.92	0.00	0.00	0.00	56.86	15.00	99.64	0.94	0.30	4.22	175.95	0.00	1.00	1.54	0.00	99.64	8.57	120.46	0.58	18.02	N/A	N/A	N/A	N/A
616	6.16	1.62	67.03	3.00	8.09E-009	1.75E-005	8.00	21.20	0.00	0.00	0.00	56.84	15.00	100.96	0.95	0.30	4.27	175.95	0.00	1.00	1.58	0.00	100.96	8.39	119.40	0.58	18.01	N/A	N/A	N/A	N/A
617	6.17	1.64	67.22	3.00	8.47E-009	1.86E-005	8.00	21.48	0.00	0.00	0.00	57.13	15.00	102.28	0.96	0.30	4.32	176.36	0.00	1.00	1.60	0.00	102.28	8.29	119.21	0.58	18.02	N/A	N/A	N/A	N/A
618	6.18	1.64	67.25	3.00	8.43E-009	1.85E-005	8.00	21.48	0.00	0.00	0.00	57.18	15.00	102.27	0.96	0.30	4.31	176.43	0.00	1.00	1.60	0.00	102.27	8.30	119.17	0.58	18.02	N/A	N/A	N/A	N/A
619	6.19	1.61	66.40	3.00	7.90E-009	1.70E-005	8.00	21.05	0.00	0.00	0.00	56.64	15.00	100.26	0.94	0.30	4.22	175.71	0.00	1.00	1.59	0.00	100.26	8.45	118.76	0.58	18.00	N/A	N/A	N/A	N/A
620	6.20	1.59	66.46	3.00	7.42E-009	1.55E-005	8.00	20.54	0.00	0.00	0.00	56.52	15.00	98.91	0.92	0.30	4.15	175.53	0.00	1.00	1.56	0.00	98.91	8.60	119.05	0.58	17.99	N/A	N/A	N/A	N/A
621	6.21	1.53	66.78	3.00	6.13E-009	1.18E-005	8.00	18.87	0.00	0.00	0.00	56.09	15.00	94.90	0.88	0.30	3.98	174.92	0.00	1.00	1.49	0.00	94.90	9.06	120.17	0.62	17.98	N/A	N/A	N/A	N/A
622	6.22	1.53	67.76	3.00	5.94E-009	1.14E-005	8.00	18.84	0.00	0.00	0.00	56.47	15.00	94.89	0.88	0.30	3.97	175.42	0.00	1.00	1.47	0.00	94.89	9.15	121.02	0.63	18.00	N/A	N/A	N/A	N/A
623	6.23	1.55	68.45	3.00	6.15E-009	1.21E-005	8.00	19.33	0.00	0.00	0.00	56.94	15.00	96.21	0.89	0.30	4.02	176.07	0.00	1.00	1.48	0.00	96.21	9.06	121.31	0.64	18.02	N/A	N/A	N/A	N/A
624	6.24	1.60	68.58	3.00	7.06E-009	1.49E-005	8.00	20.66	0.00	0.00	0.00	57.50	15.00	99.53	0.92	0.30	4.15	176.87	0.00	1.00	1.52	0.00	99.53	8.72	120.62	0.58	18.03	N/A	N/A	N/A	N/A
625	6.25	1.60	68.99	3.00	6.95E-009	1.46E-005	8.00	20.62	0.00	0.00	0.00	57.68	15.00	99.53	0.92	0.30	4.14	177.11	0.00	1.00	1.51	0.00	99.53	8.76	120.94	0.58	18.04	N/A	N/A	N/A	N/A
626	6.26	1.68	68.83	3.00	8.69E-009	1.95E-005	8.00	22.02	0.00	0.00	0.00	58.41	15.00	104.85	0.97	0.30	4.36	178.15	0.00	1.00	1.60	0.00	104.85	8.23	119.52	0.58	18.05	N/A	N/A	N/A	N/A
627	6.27	1.76	68.33	3.00	1.08E-008	2.56E-005	9.00	23.14	0.00	0.00	0.00	59.00	15.00	110.18	1.02	0.30	4.57	178.99	0.00	1.00	1.69	0.00	110.18	7.73	117.77	0.58	18.06	N/A	N/A	N/A	N/A
628	6.28	1.83	68.36	3.00	1.29E-008	3.17E-005	9.00	24.12	0.00	0.00	0.00	59.66	15.00	114.84	1.06	0.30	4.76	179.91	0.00	1.00	1.76	0.00	114.84	7.36	116.64	0.58	18.08	N/A	N/A	N/A	N/A
629	6.29	1.95	68.20	3.00	1.72E-008	4.52E-005	9.00	25.79	0.00	0.00	0.00	60.63	15.00	122.83	1.13	0.30	5.08	181.27	0.00	1.00	1.89	0.00	122.83	6.76	114.54	0.58	18.10	N/A	N/A	N/A	N/A
630	6.30	1.99	69.05	3.00	1.83E-008	4.93E-005	9.00	26.35	0.00	0.00	0.00	61.30	15.00	125.48	1.15	0.30	5.18	182.16	0.00	1.00	1.91	0.00	125.48	6.64	114.65	0.58	18.12	N/A	N/A	N/A	N/A
631	6.31	2.11	68.67	3.00	2.41E-008	6.89E-005	10.00	28.03	0.00	0.00	0.00	62.12	15.00	133.47	1.22	0.30	5.51	183.29	0.00	1.00	2.04	0.00	133.47	6.12	112.36	0.58	18.14	N/A	N/A	N/A	N/A
632	6.32	2.17	68.23	4.00	2.76E-008	8.12E-005	10.00	28.87	0.00	0.00	0.00	62.44	15.00	137.46	1.26	0.30	5.67	183.74	0.00	1.00	2.12	0.00	137.46	5.87	110.95	0.58	18.14	N/A	N/A	N/A	N/A
633	6.33	2.25	67.95	4.00	3.26E-008	9.98E-005	10.00	29.98	0.00	0.00	0.00	62.95	15.00	142.78	1.30	0.30	5.88	184.44	0.00	1.00	2.21	0.00	142.78	5.58	109.39	0.58	18.15	N/A	N/A	N/A	N/A
634	6.34	2.36	68.96	4.00	3.92E-008	1.26E-004	10.00	31.52	0.00	0.00	0.00	64.14	15.00	150.11	1.37	0.30	6.18	185.99	0.00	1.00	2.29	0.00	150.11	5.27	108.56	0.58	18.19	N/A	N/A	N/A	N/A
635	6.35	2.33	68.61	4.00	3.72E-008	1.18E-004	10.00	31.10	0.00	0.00	0.00	63.84	15.00	148.09	1.35	0.30	6.09	185.62	0.00	1.00	2.27	0.00	148.09	5.36	108.66	0.58	18.18	N/A	N/A	N/A	N/A
636	6.36	2.14	68.29	4.00	2.54E-008	7.37E-005	10.00	28.44	0.00	0.00	0.00	62.41	15.00	135.41	1.23	0.30	5.55	183.72	0.00	1.00	2.08	0.00	135.41	6.02	111.29	0.58	18.14	N/A	N/A	N/A	N/A
637	6.37	2.08	67.32	3.00	2.28E-008	6.43E-005	10.00	27.59	0.00	0.00	0.00	61.65	15.00	131.40	1.19	0.30	5.37	182.73	0.00	1.00	2.05	0.00	131.40	6.22	111.28	0.58	18.11	N/A	N/A	N/A	N/A
638	6.38	2.07	65.80	3.00	2.32E-008	6.51E-005	10.00	27.45	0.00	0.00	0.00	61.04	15.00	130.72	1.18	0.30	5.33	181.98	0.00	1.00	2.09	0.00	130.72	6.18	109.96	0.58	18.08	N/A	N/A	N/A	N/A
639	6.39	2.09	65.74	4.00	2.42E-008	6.85E-005	10.00	27.73	0.00	0.00	0.00	61.21	15.00	132.04	1.19	0.30	5.38	182.21	0.00	1.00	2.11	0.00	132.04	6.11	109.55	0.58	18.09	N/A	N/A	N/A	N/A
640	6.40	2.10	66.84	4.00	2.39E-008	6.79E-005	10.00	27.87	0.00	0.00	0.00	61.74	15.00	132.70	1.20	0.30	5.40	182.90	0.00	1.00	2.08	0.00	132.70	6.13	110.37	0.58	18.11	N/A	N/A	N/A	N/A
641	6.41	2.16	70.66	3.00	2.43E-008	7.12E-005	10.00	28.71	0.00	0.00	0.00	63.66	15.00	136.70	1.23	0.30	5.55	185.33	0.00	1.00	2.03	0.00	136.70	6.10	112.91	0.58	18.18	N/A	N/A	N/A	N/A
642	6.42	2.26	71.70	4.00	2.89E-008	8.88E-005	10.00	30.11	0.00	0.00	0.00	64.81	15.00	143.36	1.29	0.30	5.82	186.83	0.00	1.00	2.10	0.00	143.36	5.79	112.25	0.58	18.22	N/A	N/A	N/A	N/A
643	6.43	2.38	73.15	4.00	3.51E-008	1.14E-004	11.00	31.78	0.00	0.00	0.00	66.24	15.00	151.35	1.36	0.30	6.14	188.66	0.00	1.00	2.17	0.00	151.35	5.45	111.65	0.58	18.26	N/A	N/A	N/A	N/A
644	6.44	2.70	74.50	4.00	5.97E-008	2.21E-004	11.00	36.26	0.00	0.00	0.00	68.91	15.00	172.68	1.55	0.30	7.01	192.05	0.00	1.00	2.43	0.00	172.68	4.62	107.93	0.58	18.33	N/A	N/A	N/A	N/A
645	6.45	2.86	73.31	4.00	7.95E-008	3.12E-004	12.00	38.50	0.00	0.00	0.00	69.48	15.00	183.33	1.64	0.30	7.45	192.83	0.00	1.00	2.63	0.00	183.33	4.21	104.52	0.58	18.33	N/A	N/A	N/A	N/A
646	6.46	2.90	71.89	4.00	8.75E-008	3.48E-004	12.00	39.06	0.00	0.00	0.00	69.21	15.00	185.99	1.66	0.30	7.55	192.54	0.00	1.00	2.72	0.00	185.99	4.08	102.69	0.58	18.31	N/A	N/A	N/A	N/A
647	6.47	2.93	70.00	4.00	9.60E-008	3.86E-004	12.00	39.47	0.00	0.00	0.00	68.68	15.00	187.98	1.68	0.30	7.62	191.95	0.00	1.00	2.82	0.00	187.98	3.96	100.59	0.58	18.29	N/A	N/A	N/A	N/A
648	6.48	2.95	65.93	4.00	1.10E-007	4.47E-004	12.00	39.75	0.00	0.00	0.00	67.19	15.00	189.30	1.69	0.30	7.67	190.20	0.00	1.00	3.01	0.00	189.30	3.78	96.70	0.58	18.22	N/A	N/A	N/A	N/A
649	6.49	2.97	64.38	4.00	1.19E-007	4.84E-004	12.00	40.03	0.00	0.00	0.00	66.71	15.00	190.62	1.70	0.30	7.71	189.64	0.00	1.00	3.11	0.00	190.62	3.70	95.04	0.58	18.20	N/A	N/A	N/A	N/A
650	6.50	3.03	61.92	4.00	1.39E-007	5.79E-004	12.00	40.87	0.00	0.00	0.00	66.04	15.00	194.61	1.73	0.30	7.87	188.89	0.00	1.00	3.30	0.00	194.61	3.51	92.05	0.58	18.16	N/A	N/A	N/A	N/A
651	6.51	3.05	60.85	4.00	1.47E-007	6.17E-004	12.00	41.14	0.00	0.00	0.00	65.73	15.00	195.93	1.74	0.30	7.92	188.53	0.00	1.00	3.38	0.00	195.93	3.44	90.82	0.58	18.14	N/A	N/A	N/A	N/A
652	6.52	2.98	58.30	4.00	1.43E-007	5.85E-004	12.00	40.16	0.00	0.00	0.00	64.29	15.00	191.25	1.69	0.30	7.71	186.76	0.00	1.00	3.44	0.00	191.25	3.48	89.36	0.58	18.08	N/A	N/A	N/A	N/A
653	6.53	2.91	58.61	4.00	1.27E-007	5.06E-004	11.00	39.18	0.00	0.00	0.00	64.09	15.00	186.57	1.65	0.30	7.51	186.48	0.00	1.00	3.34	0.00	186.57	3.62	90.49	0.58	18.08	N/A	N/A	N/A	N/A
654	6.54	2.68	60.57	4.00	8.21E-008	3.01E-004	11.00	35.96	0.00	0.00	0.00	63.66	15.00	171.22	1.51	0.30	6.86	185.81	0.00	1.00	2.97	0.00	171.22	4.17	95.35	0.58	18.09	N/A	N/A	N/A	N/A
655	6.55	2.52	61.26	4.00	6.06E-008	2.08E-004	11.00	33.71	0.00	0.00	0.00	63.02	15.00	160.54	1.41	0.30	6.41	184.93	0.00	1.00	2.75	0.00	160.54	4.59	98.23	0.58	18.08	N/A	N/A	N/A	N/A
656	6.56	2.18	61.86	4.00	3.07E-008	9.05E-005	10.00	28.95	0.00	0.00	0.00	61.06	15.00	137.86	1.21	0.30	5.48	182.26	0.00	1.00	2.34	0.00	137.86	5.69	103.78	0.58	18.03	N/A	N/A	N/A	N/A
657	6.57	2.00	63.60	3.00	1.95E-008	5.26E-005	9.00	26.43	0.00	0.00	0.00	60.47	15.00	125.84	1.10	0.30	4.98	181.38	0.00	1.00	2.08	0.00	125.84	6.51	108.05	0.58	18.03	N/A	N/A	N/A	N/A
658	6.58	1.85	65.68	3.00	1.28E-008	3.18E-005	9.00	24.32	0.00	0.00	0.00	60.08	15.00	115.83	1.02	0.30	4.57	180.76	0.00	1.00	1.85	0.00	115.83	7.37	112.17	0.58	18.04	N/A	N/A	N/A	N/A
659	6.59	1.62	70.66	3.00	6.07E-009	1.23E-005	8.00	19.88	0.00	0.00	0.00	59.79	15.00	100.48	0.88	0.30	3.96	180.16	0.00	1.00	1.49	0.00	100.48	9.09	119.92	0.62	18.07	N/A	N/A	N/A	N/A
660	6.60	1.50	73.97	3.00	3.88E-009	6.65E-006	8.00	16.81	0.00	0.00	0.00	59.73	15.00	92.46	0.81	0.30	3.64	179.96	0.00	1.00	1.31	0.00	92.46	10.26	124.32	0.65	18.09	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
661	6.61	1.50	73.97	3.00	3.86E-009	6.61E-006	8.00	16.78	0.00	0.00	0.00	59.77	15.00	92.45	0.81	0.30	3.63	180.02	0.00	1.00	1.31	0.00	92.45	10.27	124.25	0.65	18.09	N/A	N/A	N/A	N/A
662	6.62	1.28	75.89	3.00	1.75E-009	2.11E-006	7.00	11.86	0.00	0.00	0.00	57.94	15.00	77.78	0.68	0.30	3.05	177.39	0.00	1.00	1.08	0.00	77.78	12.63	128.34	0.66	18.06	N/A	N/A	N/A	N/A
663	6.63	1.32	74.73	3.00	2.07E-009	2.68E-006	8.00	12.66	0.00	0.00	0.00	58.09	15.00	80.45	0.70	0.30	3.15	177.64	0.00	1.00	1.13	0.00	80.45	12.09	126.86	0.65	18.06	N/A	N/A	N/A	N/A
664	6.64	1.50	69.46	3.00	4.32E-009	7.37E-006	8.00	16.72	0.00	0.00	0.00	58.38	15.00	92.51	0.80	0.30	3.61	178.26	0.00	1.00	1.40	0.00	92.51	9.97	120.09	0.60	18.02	N/A	N/A	N/A	N/A
665	6.65	1.64	68.58	3.00	6.68E-009	1.38E-005	8.00	20.27	0.00	0.00	0.00	59.52	15.00	101.95	0.88	0.30	3.98	179.90	0.00	1.00	1.56	0.00	101.95	8.85	117.38	0.59	18.04	N/A	N/A	N/A	N/A
666	6.66	2.01	67.19	3.00	1.76E-008	4.77E-005	10.00	26.63	0.00	0.00	0.00	62.34	15.00	126.79	1.10	0.30	4.94	183.83	0.00	1.00	1.98	0.00	126.79	6.72	110.68	0.58	18.10	N/A	N/A	N/A	N/A
667	6.67	2.24	64.67	4.00	3.09E-008	9.39E-005	10.00	29.84	0.00	0.00	0.00	63.08	15.00	142.11	1.23	0.30	5.55	184.94	0.00	1.00	2.31	0.00	142.11	5.67	104.98	0.58	18.09	N/A	N/A	N/A	N/A
668	6.68	2.60	61.20	4.00	6.71E-008	2.39E-004	11.00	34.88	0.00	0.00	0.00	64.05	15.00	166.10	1.43	0.30	6.51	186.37	0.00	1.00	2.85	0.00	166.10	4.45	96.57	0.58	18.09	N/A	N/A	N/A	N/A
669	6.69	2.69	59.21	4.00	8.29E-008	3.05E-004	11.00	36.14	0.00	0.00	0.00	63.78	15.00	172.08	1.48	0.30	6.75	186.11	0.00	1.00	3.05	0.00	172.08	4.15	93.47	0.58	18.06	N/A	N/A	N/A	N/A
670	6.70	2.76	56.25	4.00	1.02E-007	3.85E-004	11.00	37.11	0.00	0.00	0.00	62.93	15.00	176.73	1.52	0.30	6.93	185.12	0.00	1.00	3.30	0.00	176.73	3.88	89.76	0.58	18.01	N/A	N/A	N/A	N/A
671	6.71	2.89	53.54	4.00	1.37E-007	5.42E-004	11.00	38.93	0.00	0.00	0.00	62.46	15.00	185.38	1.59	0.30	7.28	184.63	0.00	1.00	3.64	0.00	185.38	3.53	85.59	0.58	17.97	N/A	N/A	N/A	N/A
672	6.72	2.95	52.91	4.00	1.52E-007	6.18E-004	11.00	39.77	0.00	0.00	0.00	62.53	15.00	189.36	1.62	0.30	7.43	184.76	0.00	1.00	3.76	0.00	189.36	3.40	84.27	0.58	17.97	N/A	N/A	N/A	N/A
673	6.73	2.99	53.32	4.00	1.59E-007	6.54E-004	12.00	40.32	0.00	0.00	0.00	62.96	15.00	192.01	1.64	0.30	7.53	185.33	0.00	1.00	3.78	0.00	192.01	3.35	84.17	0.58	17.98	N/A	N/A	N/A	N/A
674	6.74	3.05	53.79	4.00	1.71E-007	7.16E-004	12.00	41.16	0.00	0.00	0.00	63.53	15.00	196.00	1.68	0.30	7.68	186.07	0.00	1.00	3.83	0.00	196.00	3.28	83.90	0.58	18.00	N/A	N/A	N/A	N/A
675	6.75	3.07	53.47	4.00	1.77E-007	7.47E-004	12.00	41.44	0.00	0.00	0.00	63.52	15.00	197.31	1.68	0.30	7.72	186.08	0.00	1.00	3.87	0.00	197.31	3.24	83.36	0.58	18.00	N/A	N/A	N/A	N/A
676	6.76	3.10	53.10	4.00	1.86E-007	7.95E-004	12.00	41.85	0.00	0.00	0.00	63.54	15.00	199.30	1.70	0.30	7.79	186.13	0.00	1.00	3.94	0.00	199.30	3.18	82.68	0.58	17.99	N/A	N/A	N/A	N/A
677	6.77	3.10	53.41	4.00	1.84E-007	7.84E-004	12.00	41.85	0.00	0.00	0.00	63.72	15.00	199.28	1.70	0.30	7.78	186.36	0.00	1.00	3.92	0.00	199.28	3.20	82.94	0.58	18.00	N/A	N/A	N/A	N/A
678	6.78	3.06	53.73	4.00	1.71E-007	7.19E-004	12.00	41.29	0.00	0.00	0.00	63.70	15.00	196.60	1.67	0.30	7.66	186.33	0.00	1.00	3.84	0.00	196.60	3.28	83.65	0.58	18.00	N/A	N/A	N/A	N/A
679	6.79	3.02	53.82	4.00	1.60E-007	6.64E-004	12.00	40.72	0.00	0.00	0.00	63.58	15.00	193.92	1.65	0.30	7.54	186.16	0.00	1.00	3.78	0.00	193.92	3.35	84.17	0.58	18.00	N/A	N/A	N/A	N/A
680	6.80	2.97	53.85	4.00	1.48E-007	6.02E-004	12.00	40.02	0.00	0.00	0.00	63.37	15.00	190.57	1.61	0.30	7.39	185.88	0.00	1.00	3.72	0.00	190.57	3.44	84.75	0.58	17.99	N/A	N/A	N/A	N/A
681	6.81	2.82	55.40	4.00	1.11E-007	4.27E-004	11.00	37.92	0.00	0.00	0.00	63.31	15.00	180.55	1.53	0.30	6.98	185.73	0.00	1.00	3.42	0.00	180.55	3.78	87.97	0.58	18.00	N/A	N/A	N/A	N/A
682	6.82	2.72	56.06	4.00	9.16E-008	3.41E-004	11.00	36.51	0.00	0.00	0.00	63.08	15.00	173.87	1.47	0.30	6.70	185.40	0.00	1.00	3.26	0.00	173.87	4.02	89.83	0.58	18.00	N/A	N/A	N/A	N/A
683	6.83	2.65	56.38	4.00	8.02E-008	2.91E-004	11.00	35.53	0.00	0.00	0.00	62.86	15.00	169.19	1.43	0.30	6.50	185.09	0.00	1.00	3.15	0.00	169.19	4.20	91.02	0.58	18.00	N/A	N/A	N/A	N/A
684	6.84	2.56	56.12	4.00	6.89E-008	2.41E-004	11.00	34.27	0.00	0.00	0.00	62.25	15.00	163.17	1.37	0.30	6.26	184.29	0.00	1.00	3.05	0.00	163.17	4.41	91.95	0.58	17.98	N/A	N/A	N/A	N/A
685	6.85	2.54	55.84	4.00	6.68E-008	2.32E-004	11.00	33.98	0.00	0.00	0.00	62.05	15.00	161.83	1.36	0.30	6.19	184.03	0.00	1.00	3.04	0.00	161.83	4.45	91.93	0.58	17.97	N/A	N/A	N/A	N/A
686	6.86	2.47	57.01	4.00	5.64E-008	1.90E-004	10.00	33.00	0.00	0.00	0.00	62.17	15.00	157.14	1.32	0.30	6.00	184.14	0.00	1.00	2.89	0.00	157.14	4.70	93.96	0.58	17.99	N/A	N/A	N/A	N/A
687	6.87	2.42	58.08	4.00	4.95E-008	1.63E-004	10.00	32.30	0.00	0.00	0.00	62.36	15.00	153.80	1.29	0.30	5.85	184.35	0.00	1.00	2.78	0.00	153.80	4.90	95.62	0.58	18.00	N/A	N/A	N/A	N/A
688	6.88	2.24	60.19	4.00	3.24E-008	9.83E-005	10.00	29.77	0.00	0.00	0.00	62.11	15.00	141.78	1.19	0.30	5.37	183.93	0.00	1.00	2.47	0.00	141.78	5.59	100.07	0.58	18.01	N/A	N/A	N/A	N/A
689	6.89	2.24	60.19	4.00	3.22E-008	9.79E-005	10.00	29.77	0.00	0.00	0.00	62.15	15.00	141.77	1.18	0.30	5.36	183.99	0.00	1.00	2.47	0.00	141.77	5.60	100.03	0.58	18.01	N/A	N/A	N/A	N/A
690	6.90	2.24	60.19	4.00	3.21E-008	9.75E-005	10.00	29.77	0.00	0.00	0.00	62.19	15.00	141.76	1.18	0.30	5.35	184.04	0.00	1.00	2.47	0.00	141.76	5.61	100.00	0.58	18.01	N/A	N/A	N/A	N/A
691	6.91	1.93	61.86	3.00	1.53E-008	3.96E-005	9.00	25.41	0.00	0.00	0.00	60.62	15.00	121.00	1.01	0.30	4.54	181.83	0.00	1.00	2.05	0.00	121.00	7.00	105.83	0.58	17.99	N/A	N/A	N/A	N/A
692	6.92	1.62	64.67	3.00	6.31E-009	1.21E-005	8.00	18.84	0.00	0.00	0.00	58.94	15.00	100.31	0.83	0.30	3.76	179.37	0.00	1.00	1.63	0.00	100.31	8.99	112.57	0.54	17.97	N/A	N/A	N/A	N/A
693	6.93	1.52	66.56	3.00	4.44E-009	7.41E-006	8.00	16.39	0.00	0.00	0.00	58.66	15.00	93.63	0.78	0.30	3.50	178.90	0.00	1.00	1.48	0.00	93.63	9.90	115.45	0.55	17.98	N/A	N/A	N/A	N/A
694	6.94	1.46	68.86	3.00	3.44E-009	5.26E-006	8.00	14.99	0.00	0.00	0.00	58.87	15.00	89.62	0.74	0.30	3.34	179.11	0.00	1.00	1.37	0.00	89.62	10.59	118.09	0.57	18.00	N/A	N/A	N/A	N/A
695	6.95	1.28	73.72	3.00	1.63E-009	1.86E-006	8.00	11.22	0.00	0.00	0.00	58.46	15.00	77.60	0.64	0.30	2.89	178.35	0.00	1.00	1.11	0.00	77.60	12.86	124.02	0.61	18.03	N/A	N/A	N/A	N/A
696	6.96	1.16	76.33	3.00	9.67E-010	8.88E-007	7.00	9.01	0.00	0.00	0.00	57.78	15.00	69.59	0.58	0.30	2.59	177.29	0.00	1.00	0.96	0.00	69.59	14.73	127.12	0.63	18.03	N/A	N/A	N/A	N/A
697	6.97	1.07	77.34	3.00	8.02E-010	6.14E-007	7.00	7.51	0.00	0.00	0.00	56.86	15.00	63.58	0.53	0.30	2.36	175.96	0.00	1.00	0.86	0.00	63.58	16.32	128.53	0.64	18.02	N/A	N/A	N/A	N/A
698	6.98	1.03	73.65	3.00	7.72E-010	5.43E-007	7.00	6.91	0.00	0.00	0.00	55.20	15.00	61.02	0.50	0.30	2.26	173.70	0.00	1.00	0.87	0.00	61.02	16.66	125.76	0.61	17.95	N/A	N/A	N/A	N/A
699	6.99	1.04	72.23	3.00	8.09E-010	5.88E-007	7.00	7.13	0.00	0.00	0.00	55.02	15.00	62.05	0.51	0.30	2.30	173.50	0.00	1.00	0.90	0.00	62.05	16.24	124.43	0.59	17.93	N/A	N/A	N/A	N/A
700	7.00	1.06	67.16	3.00	9.32E-010	7.36E-007	7.00	7.74	0.00	0.00	0.00	53.98	15.00	64.69	0.53	0.30	2.39	172.19	0.00	0.79	1.01	28.55	64.69	15.03	119.86	0.55	17.86	N/A	N/A	N/A	N/A
701	7.01	1.07	63.28	3.00	1.06E-009	8.71E-007	7.00	8.04	0.00	0.00	0.00	52.98	15.00	65.97	0.54	0.30	2.44	170.88	0.00	0.78	1.09	29.90	65.97	14.32	116.32	0.52	17.80	N/A	N/A	N/A	N/A
702	7.02	1.11	59.91	3.00	1.41E-009	1.26E-006	7.00	8.75	0.00	0.00	0.00	52.41	15.00	68.87	0.56	0.30	2.54	170.18	0.00	0.79	1.21	30.58	68.87	13.34	112.92	0.49	17.75	N/A	N/A	N/A	N/A
703	7.03	1.15	51.74	3.00	2.18E-009	2.10E-006	7.00	9.44	0.00	0.00	0.00	49.93	15.00	71.60	0.59	0.30	2.64	166.85	0.00	0.80	1.45	30.89	71.60	11.94	104.93	0.42	17.60	N/A	N/A	N/A	N/A
704	7.04	1.15	47.93	3.00	2.49E-009	2.38E-006	7.00	9.41	0.00	0.00	0.00	48.47	15.00	71.54	0.58	0.30	2.63	164.80	0.00	0.80	1.57	30.79	71.54	11.53	101.17	0.39	17.51	N/A	N/A	N/A	N/A
705	7.05	1.16	41.52	3.00	3.31E-009	3.22E-006	7.00	9.55	0.00	0.00	0.00	45.95	15.00	72.10	0.59	0.30	2.65	161.21	0.00	0.81	1.82	30.65	72.10	10.70	94.45	0.34	17.35	N/A	N/A	N/A	N/A
706	7.06	1.16	39.41	3.00	3.60E-009	3.49E-006	7.00	9.52	0.00	0.00	0.00	45.06	15.00	72.04	0.59	0.30	2.64	159.92	0.00	0.81	1.92	30.53	72.04	10.46	92.15	0.32	17.29	N/A	N/A	N/A	N/A
707	7.07	1.15	38.34	3.00	3.60E-009	3.41E-006	7.00	9.30	0.00	0.00	0.00	44.49	15.00	71.27	0.58	0.30	2.61	159.07	0.00	0.80	1.95	30.31	71.27	10.46	91.05	0.31	17.25	N/A	N/A	N/A	N/A
708	7.08	1.13	39.16	3.00	3.18E-009	2.90E-006	6.00	8.93	0.00	0.00	0.00	44.66	15.00	69.90	0.57	0.30	2.56	159.29	0.00	0.80	1.87	30.13	69.90	10.81	92.12	0.32	17.27	N/A	N/A	N/A	N/A
709	7.09	1.10	40.83	3.00	2.59E-009	2.22E-006	6.00	8.40	0.00	0.00	0.00	45.07	15.00	67.81	0.55	0.30	2.48	159.84	0.00	0.79	1.74	29.82	67.81	11.41	94.19	0.33	17.31	N/A	N/A	N/A	N/A
710	7.10	1.09	40.61	3.00	2.50E-009	2.09E-006	6.00	8.21	0.00	0.00	0.00	44.89	15.00	67.11	0.54	0.30	2.45	159.56	0.00	0.79	1.74	29.70	67.11	11.52	94.01	0.33	17.30	N/A	N/A	N/A	N/A
711	7.11	1.07	40.99	3.00	2.24E-009	1.80E-006	6.00	7.87	0.00	0.00	0.00	44.84	15.00	65.75	0.53	0.30	2.39	159.47	0.00	0.78	1.68	29.54	65.75	11.85	94.56	0.33	17.30	N/A	N/A	N/A	N/A
712	7.12	1.05	44.17	3.00	1.79E-009	1.37E-006	6.00	7.53	0.00	0.00	0.00	45.95	15.00	64.37	0.52	0.30	2.34	161.05	0.00	0.77	1.53	29.34	64.37	12.56	97.99	0.36	17.38	N/A	N/A	N/A	N/A
713	7.13	1.03	44.55	3.00	1.60E-009	1.18E-006	6.00	7.21	0.00	0.00	0.00	45.89	15.00	63.02	0.51	0.30	2.29	160.93	0.00	0.77	1.49	29.20	63.02	12.91	98.50	0.36	17.38	N/A	N/A	N/A	N/A
714	7.14	0.99	43.64	3.00	1.38E-009	9.26E-007	6.00	6.60	0.00	0.00	0.00	45.05	15.00	60.32	0.49	0.30	2.19	159.63	0.00	0.75	1.45	28.92	60.32	13.42	97.86	0.35	17.34	N/A	N/A	N/A	N/A
715	7.15	1.00	43.20	3.00	1.46E-009	1.00E-006	6.00	6.73	0.00	0.00	0.00	45.02	15.00	60.96	0.49	0.30	2.21	159.61	0.00	0.76	1.48	28.93	60.96	13.22	97.29	0.35	17.33	N/A	N/A	N/A	N/A
716	7.16	0.99	42.79	3.00	1.41E-009	9.44E-007	6.00	6.57	0.00	0.00	0.00	44.75	15.00	60.26	0.48	0.30	2.18	159.20	0.00	0.75	1.48	28.80	60.26	13.34	96.90	0.34	17.32	N/A	N/A	N/A	N/A
717	7.17	0.98	42.57	3.00	1.35E-009	8.81E-007	6.00	6.41	0.00	0.00	0.00	44.56	15.00	59.56	0.48	0.30	2.15	158.91	0.00	0.75	1.47	28.68	59.56	13.49	96.71	0.34	17.31	N/A	N/A	N/A	N/A
718	7.18	0.97	42.82	3.00	1.27E-009	8.07E-007	6.00	6.25	0.00	0.00	0.00	44.55	15.00	58.86	0.47	0.30	2.12	158.89	0.00	0.75	1.44	28.57	58.86	13.71	97.00	0.34	17.31	N/A	N/A	N/A	N/A
719	7.19	0.97	41.52	3.00	1.33E-009	8.45E-007	6.00	6.23	0.00	0.00	0.00	44.04	15.00	58.83	0.47	0.30	2.12	158.14	0.00	0.75	1.49	28.51	58.83	13.54	95.61	0.33	17.28	N/A	N/A	N/A	N/A
720	7.20	0.97	41.56	3.00	1.32E-009	8.38E-007	6.00	6.22	0.00	0.00	0.00	44.08	15.00	58.81	0.47	0.30	2.12	158.21	0.00	0.75	1.49	28.47	58.81	13.56	95.61	0.33	17.28	N/A	N/A	N/A	N/A
721	7.21	0.98	42.09	3.00	1.35E-009	8.73E-007	6.00	6.35	0.00	0.00	0.00	44.45	15.00	59.46	0.47	0.30	2.14	158.78	0.00	0.75	1.48	28.51	59.46	13.49	96.03	0.34	17.30	N/A	N/A	N/A	N/A
722	7.22	0.97	42.09	3.00	1.28E-009	8.09E-007	6.00	6.20	0.00	0.00	0.00	44.35	15.00	58.78	0.47	0.30	2.11	158.62	0.00	0.75	1.47	28.43	58.78	13.67	96.06	0.34	17.29	N/A	N/A	N/A	N/A
723	7.23	0.97	40.48	3.00	1.37E-009	8.61E-007	6.00	6.18	0.00	0.00	0.00	43.71	15.00	58.76	0.47	0.30	2.10	157.67	0.00	0.75	1.52	28.40	58.76	13.45	94.34	0.32	17.25	N/A	N/A	N/A	N/A
724	7.24	0.97	36.13	3.00	1.66E-009	1.05E-006	6.00	6.17	0.00	0.00	0.00	41.86	15.00	58.75	0.47	0.30	2.10	154.89	0.00	0.75	1.71	28.39	58.75	12.80	89.63	0.29	17.12	N/A	N/A	N/A	N/A
725	7.25	0.98	34.68	3.00	1.86E-009	1.20E-006	6.00	6.31	0.00	0.00	0.00	41.36	15.00	59.42	0.47	0.30	2.12	154.15	0.00	0.75	1.80	28.46	59.42	12.42	87.90	0.28	17.07	N/A	N/A	N/A	N/A
726	7.26	1.00	33.20	3.00	2.20E-009	1.48E-006	6.00	6.59	0.00	0.00	0.00	40.94	15.00	60.77	0.48	0.30	2.17	153.56	0.00	0.75	1.92	28.62	60.77	11.90	86.00	0.26	17.03	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
727	7.27	1.02	31.85	3.00	2.59E-009	1.82E-006	6.00	6.88	0.00	0.00	0.00	40.56	15.00	62.15	0.49	0.30	2.21	153.03	0.00	0.76	2.05	28.85	62.15	11.41	84.21	0.25	16.99	N/A	N/A	N/A	N/A
728	7.28	1.03	32.16	3.00	2.65E-009	1.90E-006	6.00	7.01	0.00	0.00	0.00	40.84	15.00	62.80	0.50	0.30	2.23	153.49	0.00	0.76	2.05	28.87	62.80	11.34	84.45	0.25	17.01	N/A	N/A	N/A	N/A
729	7.29	1.07	32.38	3.00	3.11E-009	2.41E-006	6.00	7.61	0.00	0.00	0.00	41.41	15.00	65.45	0.52	0.30	2.33	154.45	0.00	0.77	2.12	29.07	65.45	10.88	84.29	0.26	17.03	N/A	N/A	N/A	N/A
730	7.30	1.08	32.38	3.00	3.24E-009	2.56E-006	6.00	7.75	0.00	0.00	0.00	41.54	15.00	66.11	0.52	0.30	2.35	154.69	0.00	0.78	2.14	29.13	66.11	10.76	84.16	0.26	17.03	N/A	N/A	N/A	N/A
731	7.31	1.12	31.88	3.00	3.93E-009	3.37E-006	6.00	8.40	0.00	0.00	0.00	41.76	15.00	68.86	0.54	0.30	2.44	155.11	0.00	0.79	2.27	29.52	68.86	10.22	83.13	0.25	17.03	N/A	N/A	N/A	N/A
732	7.32	1.14	31.66	3.00	4.31E-009	3.83E-006	6.00	8.73	0.00	0.00	0.00	41.89	15.00	70.23	0.55	0.30	2.49	155.36	0.00	0.79	2.33	29.70	70.23	9.97	82.63	0.25	17.03	N/A	N/A	N/A	N/A
733	7.33	1.14	32.07	3.00	4.20E-009	3.73E-006	6.00	8.72	0.00	0.00	0.00	42.12	15.00	70.24	0.55	0.30	2.48	155.71	0.00	0.79	2.30	29.72	70.24	10.04	83.07	0.25	17.04	N/A	N/A	N/A	N/A
734	7.34	1.14	32.44	3.00	4.10E-009	3.64E-006	6.00	8.70	0.00	0.00	0.00	42.32	15.00	70.22	0.55	0.30	2.48	156.03	0.00	0.79	2.27	29.69	70.22	10.11	83.47	0.25	17.05	N/A	N/A	N/A	N/A
735	7.35	1.14	32.92	3.00	3.99E-009	3.53E-006	6.00	8.69	0.00	0.00	0.00	42.58	15.00	70.21	0.55	0.30	2.47	156.43	0.00	0.79	2.24	29.69	70.21	10.18	83.99	0.26	17.07	N/A	N/A	N/A	N/A
736	7.36	1.09	33.74	3.00	3.10E-009	2.48E-006	6.00	7.86	0.00	0.00	0.00	42.46	15.00	66.84	0.52	0.30	2.35	156.16	0.00	0.78	2.08	29.35	66.84	10.89	85.39	0.26	17.08	N/A	N/A	N/A	N/A
737	7.37	1.08	33.67	3.00	2.96E-009	2.32E-006	6.00	7.69	0.00	0.00	0.00	42.34	15.00	66.14	0.52	0.30	2.32	155.96	0.00	0.77	2.06	29.24	66.14	11.02	85.37	0.26	17.08	N/A	N/A	N/A	N/A
738	7.38	1.08	34.18	3.00	2.88E-009	2.25E-006	6.00	7.68	0.00	0.00	0.00	42.61	15.00	66.14	0.52	0.30	2.32	156.37	0.00	0.77	2.03	29.24	66.14	11.10	85.91	0.27	17.09	N/A	N/A	N/A	N/A
739	7.39	1.09	34.37	3.00	2.97E-009	2.37E-006	6.00	7.83	0.00	0.00	0.00	42.84	15.00	66.83	0.52	0.30	2.34	156.74	0.00	0.77	2.04	29.36	66.83	11.01	85.99	0.27	17.10	N/A	N/A	N/A	N/A
740	7.40	1.08	35.31	3.00	2.71E-009	2.12E-006	6.00	7.66	0.00	0.00	0.00	43.19	15.00	66.17	0.51	0.30	2.32	157.26	0.00	0.77	1.97	29.33	66.17	11.28	87.09	0.27	17.13	N/A	N/A	N/A	N/A
741	7.41	1.08	34.78	3.00	2.78E-009	2.17E-006	6.00	7.66	0.00	0.00	0.00	42.98	15.00	66.21	0.51	0.30	2.31	156.96	0.00	0.77	2.00	29.42	66.21	11.20	86.46	0.27	17.11	N/A	N/A	N/A	N/A
742	7.42	1.08	33.77	3.00	3.01E-009	2.39E-006	6.00	7.78	0.00	0.00	0.00	42.62	15.00	66.74	0.52	0.30	2.33	156.43	0.00	0.76	2.08	30.39	66.74	10.97	85.21	0.26	17.08	N/A	N/A	N/A	N/A
743	7.43	1.07	32.82	3.00	3.07E-009	2.40E-006	6.00	7.67	0.00	0.00	0.00	42.12	15.00	66.32	0.51	0.30	2.31	155.68	0.00	0.75	2.12	30.78	66.32	10.92	84.15	0.25	17.05	N/A	N/A	N/A	N/A
744	7.44	1.09	31.78	3.00	3.50E-009	2.83E-006	6.00	7.95	0.00	0.00	0.00	41.84	15.00	67.58	0.52	0.30	2.35	155.31	0.00	0.76	2.23	30.77	67.58	10.55	82.73	0.25	17.02	N/A	N/A	N/A	N/A
745	7.45	1.12	31.81	3.00	3.93E-009	3.37E-006	6.00	8.41	0.00	0.00	0.00	42.20	15.00	69.57	0.54	0.30	2.42	155.91	0.00	0.77	2.30	30.89	69.57	10.22	82.44	0.25	17.03	N/A	N/A	N/A	N/A
746	7.46	1.16	33.01	3.00	4.31E-009	3.98E-006	7.00	9.06	0.00	0.00	0.00	43.23	15.00	72.24	0.56	0.30	2.51	157.54	0.00	0.78	2.30	31.09	72.24	9.97	83.39	0.25	17.08	N/A	N/A	N/A	N/A
747	7.47	1.26	33.74	3.00	6.01E-009	6.61E-006	7.00	10.79	0.00	0.00	0.00	44.61	15.00	78.89	0.61	0.30	2.74	159.78	0.00	0.81	2.46	31.52	78.89	9.12	83.14	0.26	17.14	N/A	N/A	N/A	N/A
748	7.48	1.42	35.25	3.00	9.49E-009	1.34E-005	7.00	13.89	0.00	0.00	0.00	46.87	15.00	89.56	0.69	0.30	3.10	163.34	0.00	0.85	2.67	32.17	89.56	8.03	83.00	0.58	17.23	N/A	N/A	N/A	N/A
749	7.49	1.94	36.54	4.00	3.62E-008	9.63E-005	9.00	26.10	0.00	0.00	0.00	51.53	15.00	124.29	0.96	0.30	4.34	170.48	0.00	1.00	3.57	33.90	124.29	5.40	78.09	0.50	17.39	N/A	N/A	N/A	N/A
750	7.50	2.31	35.98	4.00	8.14E-008	2.60E-004	10.00	31.28	0.00	0.00	0.00	53.46	15.00	148.93	1.14	0.30	5.25	173.42	0.00	1.11	4.35	34.75	148.93	4.18	73.07	0.33	17.44	N/A	N/A	N/A	N/A
751	7.51	3.03	35.66	5.00	2.76E-007	1.16E-003	11.00	41.31	26.00	31.90	48.41	56.91	0.00	0.00	0.00	0.30	0.00	178.46	-0.04	0.00	0.00	0.00	81.20	2.80	65.65	0.18	17.53	N/A	N/A	N/A	N/A
752	7.52	3.30	36.51	5.00	3.79E-007	1.73E-003	12.00	44.87	27.00	31.79	49.65	58.57	0.00	0.00	0.00	0.30	0.00	180.74	-0.04	0.00	0.00	0.00	80.95	2.53	64.56	0.16	17.59	N/A	N/A	N/A	N/A
753	7.53	3.51	40.99	5.00	3.91E-007	1.89E-003	12.00	47.30	28.00	32.08	52.04	61.92	0.00	0.00	0.00	0.30	0.00	185.04	-0.04	0.00	0.00	0.00	81.97	2.50	67.31	0.20	17.74	N/A	N/A	N/A	N/A
754	7.54	3.57	41.87	5.00	4.06E-007	1.99E-003	13.00	48.14	28.00	32.11	52.61	62.70	0.00	0.00	0.00	0.30	0.00	186.04	-0.04	0.00	0.00	0.00	82.19	2.47	67.65	0.21	17.77	N/A	N/A	N/A	N/A
755	7.55	3.60	42.22	5.00	4.14E-007	2.05E-003	13.00	48.55	28.00	32.12	52.87	63.06	0.00	0.00	0.00	0.30	0.00	186.50	-0.04	0.00	0.00	0.00	82.33	2.45	67.74	0.21	17.78	N/A	N/A	N/A	N/A
756	7.56	3.58	43.73	5.00	3.79E-007	1.87E-003	13.00	48.27	28.00	32.26	53.41	63.84	0.00	0.00	0.00	0.30	0.00	187.46	-0.05	0.00	0.00	0.00	82.88	2.52	69.11	0.24	17.82	N/A	N/A	N/A	N/A
757	7.57	3.55	48.11	5.00	3.08E-007	1.50E-003	13.00	47.86	28.00	32.63	54.97	66.10	0.00	0.00	0.00	0.30	0.00	190.18	-0.05	0.00	0.00	0.00	84.20	2.70	72.96	0.33	17.93	N/A	N/A	N/A	N/A
758	7.58	3.50	49.47	5.00	2.74E-007	1.32E-003	13.00	47.16	28.00	32.77	55.32	66.62	0.00	0.00	0.00	0.30	0.00	190.79	-0.06	0.00	0.00	0.00	84.77	2.80	74.47	0.37	17.96	N/A	N/A	N/A	N/A
759	7.59	3.44	50.48	5.00	2.44E-007	1.15E-003	13.00	46.32	27.00	32.89	55.51	66.91	0.00	0.00	0.00	0.30	0.00	191.10	-0.06	0.00	0.00	0.00	85.28	2.91	75.80	0.41	17.97	N/A	N/A	N/A	N/A
760	7.60	3.25	52.34	4.00	1.76E-007	7.82E-004	12.00	43.65	0.00	0.00	0.00	66.98	15.00	207.87	1.57	0.30	7.31	191.11	0.00	1.00	4.17	0.00	207.87	3.25	79.12	0.54	17.99	N/A	N/A	N/A	N/A
761	7.61	3.12	53.22	4.00	1.41E-007	6.01E-004	12.00	41.83	0.00	0.00	0.00	66.81	15.00	199.20	1.51	0.30	6.97	190.84	0.00	1.00	3.93	0.00	199.20	3.49	81.17	0.58	18.00	N/A	N/A	N/A	N/A
762	7.62	2.97	53.85	4.00	1.10E-007	4.44E-004	12.00	39.73	0.00	0.00	0.00	66.38	15.00	189.19	1.43	0.30	6.59	190.26	0.00	1.00	3.69	0.00	189.19	3.79	83.31	0.58	17.99	N/A	N/A	N/A	N/A
763	7.63	2.64	56.53	4.00	5.81E-008	2.08E-004	11.00	35.11	0.00	0.00	0.00	65.86	15.00	167.18	1.26	0.30	5.76	189.44	0.00	1.00	3.11	0.00	167.18	4.66	89.49	0.58	18.00	N/A	N/A	N/A	N/A
764	7.64	2.50	59.59	4.00	4.08E-008	1.38E-004	11.00	33.15	0.00	0.00	0.00	66.44	15.00	157.85	1.19	0.30	5.41	190.07	0.00	1.00	2.78	0.00	157.85	5.21	93.85	0.58	18.04	N/A	N/A	N/A	N/A
765	7.65	2.29	68.74	3.00	2.06E-008	6.34E-005	11.00	30.21	0.00	0.00	0.00	69.01	15.00	143.86	1.08	0.30	4.87	193.01	0.00	1.00	2.20	0.00	143.86	6.41	104.13	0.58	18.17	N/A	N/A	N/A	N/A
766	7.66	2.21	72.71	3.00	1.57E-008	4.67E-005	11.00	29.09	0.00	0.00	0.00	69.97	15.00	138.54	1.04	0.30	4.68	194.07	0.00	1.00	2.00	0.00	138.54	6.94	108.37	0.58	18.22	N/A	N/A	N/A	N/A
767	7.67	2.09	76.49	3.00	1.11E-008	3.09E-005	10.00	27.41	0.00	0.00	0.00	70.40	15.00	130.55	0.98	0.30	4.41	194.48	0.00	1.00	1.79	0.00	130.55	7.68	112.88	0.58	18.26	N/A	N/A	N/A	N/A
768	7.68	2.05	85.95	3.00	8.10E-009	2.22E-005	10.00	26.86	0.00	0.00	0.00	73.49	15.00	127.89	0.96	0.30	4.31	198.01	0.00	1.00	1.56	0.00	127.89	8.39	120.60	0.58	18.39	N/A	N/A	N/A	N/A
769	7.69	2.23	88.79	3.00	1.11E-008	3.33E-005	11.00	29.38	0.00	0.00	0.00	76.17	15.00	139.89	1.05	0.30	4.71	201.22	0.00	1.00	1.65	0.00	139.89	7.67	120.42	0.58	18.46	N/A	N/A	N/A	N/A
770	7.70	2.90	88.69	4.00	3.72E-008	1.47E-004	13.00	38.76	0.00	0.00	0.00	81.24	15.00	184.57	1.38	0.30	6.26	207.24	0.00	1.00	2.19	0.00	184.57	5.36	111.85	0.58	18.56	N/A	N/A	N/A	N/A
771	7.71	3.25	88.19	4.00	6.35E-008	2.83E-004	14.00	43.66	0.00	0.00	0.00	83.23	15.00	207.90	1.55	0.30	7.10	209.55	0.00	1.00	2.48	0.00	207.90	4.53	107.15	0.58	18.59	N/A	N/A	N/A	N/A
772	7.72	3.75	88.06	4.00	1.23E-007	6.34E-004	15.00	50.66	0.00	0.00	0.00	85.96	15.00	241.23	1.80	0.30	8.31	212.67	0.00	1.00	2.88	0.00	241.23	3.65	101.27	0.58	18.65	N/A	N/A	N/A	N/A
773	7.73	3.76	84.22	4.00	1.35E-007	6.99E-004	15.00	50.79	0.00	0.00	0.00	84.49	15.00	241.88	1.80	0.30	8.34	211.12	0.00	1.00	3.02	0.00	241.88	3.54	98.41	0.58	18.60	N/A	N/A	N/A	N/A
774	7.74	3.54	74.50	4.00	1.29E-007	6.29E-004	14.00	47.71	0.00	0.00	0.00	79.29	15.00	227.20	1.69	0.30	7.82	205.42	0.00	1.00	3.20	0.00	227.20	3.59	93.61	0.58	18.43	N/A	N/A	N/A	N/A
775	7.75	3.40	70.15	4.00	1.20E-007	5.59E-004	13.00	45.75	0.00	0.00	0.00	76.70	15.00	217.85	1.62	0.30	7.48	202.52	0.00	1.00	3.26	0.00	217.85	3.68	91.76	0.58	18.35	N/A	N/A	N/A	N/A
776	7.76	3.04	62.46	4.00	8.87E-008	3.68E-004	12.00	40.70	0.00	0.00	0.00	71.38	15.00	193.83	1.44	0.30	6.61	196.31	0.00	1.00	3.26	0.00	193.83	4.06	89.56	0.58	18.17	N/A	N/A	N/A	N/A
777	7.77	2.84	59.56	4.00	7.05E-008	2.72E-004	12.00	37.90	0.00	0.00	0.00	68.98	15.00	180.48	1.34	0.30	6.13	193.41	0.00	1.00	3.18	0.00	180.48	4.38	89.40	0.58	18.09	N/A	N/A	N/A	N/A
778	7.78	2.62	58.24	4.00	5.04E-008	1.79E-004	11.00	34.82	0.00	0.00	0.00	67.13	15.00	165.80	1.23	0.30	5.59	191.10	0.00	1.00	2.99	0.00	165.80	4.87	90.83	0.58	18.03	N/A	N/A	N/A	N/A
779	7.79	2.25	57.76	4.00	2.50E-008	7.55E-005	10.00	29.63	0.00	0.00	0.00	64.61	15.00	141.11	1.04	0.30	4.70	187.83	0.00	1.00	2.57	0.00	141.11	6.05	94.80	0.58	17.97	N/A	N/A	N/A	N/A
780	7.80	2.08	58.55	3.00	1.69E-008	4.69E-005	10.00	27.25	0.00	0.00	0.00	63.72	15.00	129.76	0.96	0.30	4.30	186.61	0.00	1.00	2.33	0.00	129.76	6.80	97.52	0.58	17.95	N/A	N/A	N/A	N/A
781	7.81	1.95	60.73	3.00	1.17E-008	2.91E-005	10.00	24.28	0.00	0.00	0.00	63.57	15.00	121.08	0.89	0.30	4.01	186.29	0.00	1.00	2.09	0.00	121.08	7.55	100.99	0.58	17.97	N/A	N/A	N/A	N/A
782	7.82	1.77	63.85	3.00	6.85E-009	1.37E-005	9.00	19.67	0.00	0.00	0.00	63.20	15.00	109.07	0.80	0.30	3.61	185.65	0.00	1.00	1.79	0.00	109.07	8.79	105.73	0.58	17.99	N/A	N/A	N/A	N/A
783	7.83	1.71	65.14	3.00	5.61E-009	1.04E-005	9.00	18.23	0.00	0.00	0.00	63.15	15.00	105.06	0.77	0.30	3.47	185.53	0.00	1.00	1.69	0.00	105.06	9.29	107.43	0.48	18.00	N/A	N/A	N/A	N/A
784	7.84	1.58	68.89	3.00	3.50E-009	5.47E-006	9.00	15.33	0.00	0.00	0.00	63.25	15.00	96.42	0.71	0.30	3.18	185.50	0.00	1.00	1.47	0.00	96.42	10.55	111.81	0.51	18.03	N/A	N/A	N/A	N/A
785	7.85	1.47	69.24	3.00	2.47E-009	3.29E-006	8.00	13.08	0.00	0.00	0.00	62.19	15.00	89.11	0.65	0.30	2.94	184.05	0.00	1.00	1.35	0.00	89.11	11.56	113.10	0.51	18.01	N/A	N/A	N/A	N/A
786	7.86	1.33	67.00	3.00	1.65E-009	1.77E-006	8.00	10.52	0.00	0.00	0.00	59.79	15.00	79.96	0.58	0.30	2.63	180.84	0.00	1.00	1.25	0.00	79.96	12.82	112.46	0.49	17.94	N/A	N/A	N/A	N/A
787	7.87	1.25	68.14	3.00	1.19E-009	1.11E-006	8.00	9.16	0.00	0.00	0.00	59.22	15.00	74.67	0.55	0.30	2.45	179.99	0.00	1.00	1.15	0.00	74.67	13.93	113.93	0.50	17.93	N/A	N/A	N/A	N/A
788	7.88	1.19	66.69	3.00	9.77E-010	8.17E-007	7.00	8.20	0.00	0.00	0.00	57.95	15.00	70.67	0.52	0.30	2.32	178.27	0.00	1.00	1.11	0.00	70.67	14.64	113.15	0.49	17.89	N/A	N/A	N/A	N/A
789	7.89	1.19	66.69	3.00	9.76E-010	8.14E-007	7.00	8.18	0.00	0.00	0.00	57.98	15.00	70.66	0.51	0.30	2.32	178.31	0.00	1.00	1.11	0.00	70.66	14.65	113.10	0.49	17.89	N/A	N/A	N/A	N/A
790	7.90	1.19	66.69	3.00	9.74E-010	8.11E-007	7.00	8.17	0.00	0.00	0.00	58.01	15.00	70.65	0.51	0.30	2.31	178.36	0.00	1.00	1.11	0.00	70.65	14.66	113.04	0.49	17.89	N/A	N/A	N/A	N/A
791	7.91	0.99	72.23	3.00	6.02E-010	3.27E-007	7.00	5.32	0.00	0.00	0.00	56.88	15.00	57.05	0.41	0.30	1.86	176.52	0.00	1.00	0.83	0.00	57.05	19.05	118.41	0.52	17.91	N/A	N/A	N/A	N/A
792	7.92	0.87	72.99	2.00	4.45E-010	1.78E-007	6.00	3.93	0.00	0.00	0.00	55.08	15.00	49.04	0.36	0.30	1.60	173.88	0.00	1.00	0.71	0.00	49.04	22.37	119.40	0.53	17.87	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
793	7.93	0.82	73.53	2.00	3.86E-010	1.34E-007	6.00	3.41	0.00	0.00	0.00	54.33	15.00	45.70	0.33	0.30	1.49	172.76	0.00	1.00	0.65	0.00	45.70	24.14	119.90	0.53	17.86	N/A	N/A	N/A	N/A
794	7.94	0.75	74.50	2.00	3.10E-010	8.66E-008	6.00	2.74	0.00	0.00	0.00	53.24	15.00	41.04	0.30	0.30	1.34	171.11	0.00	1.00	0.58	0.00	41.04	27.11	120.77	0.54	17.84	N/A	N/A	N/A	N/A
795	7.95	0.72	74.41	2.00	2.81E-010	7.10E-008	6.00	2.48	0.00	0.00	0.00	52.60	15.00	39.04	0.28	0.30	1.27	170.16	0.00	1.00	0.55	0.00	39.04	28.52	120.73	0.54	17.82	N/A	N/A	N/A	N/A
796	7.96	0.68	73.43	2.00	2.48E-010	5.45E-008	6.00	2.15	0.00	0.00	0.00	51.46	15.00	36.41	0.26	0.30	1.18	168.48	0.00	1.00	0.52	0.00	36.41	30.46	120.05	0.53	17.78	N/A	N/A	N/A	N/A
797	7.97	0.67	72.74	2.00	2.41E-010	5.10E-008	6.00	2.07	0.00	0.00	0.00	51.06	15.00	35.75	0.26	0.30	1.16	167.90	0.00	1.00	0.52	0.00	35.75	30.91	119.50	0.52	17.77	N/A	N/A	N/A	N/A
798	7.98	0.66	70.94	2.00	2.38E-010	4.83E-008	5.00	1.99	0.00	0.00	0.00	50.33	15.00	35.09	0.25	0.30	1.14	166.86	0.00	1.00	0.52	0.00	35.09	31.17	118.11	0.51	17.73	N/A	N/A	N/A	N/A
799	7.99	0.64	63.75	2.00	2.42E-010	4.57E-008	5.00	1.85	0.00	0.00	0.00	47.77	15.00	33.82	0.24	0.30	1.09	163.18	0.00	1.00	0.56	0.00	33.82	30.85	112.53	0.46	17.60	N/A	N/A	N/A	N/A
800	8.00	0.63	59.02	2.00	2.49E-010	4.52E-008	5.00	1.78	0.00	0.00	0.00	46.11	15.00	33.20	0.24	0.30	1.07	160.75	0.00	1.00	0.59	0.00	33.20	30.39	108.68	0.42	17.51	N/A	N/A	N/A	N/A
801	8.01	0.62	50.13	2.00	2.77E-010	4.87E-008	5.00	1.73	0.00	0.00	0.00	43.04	15.00	32.70	0.23	0.30	1.06	156.16	0.00	1.00	0.68	0.00	32.70	28.74	101.09	0.36	17.31	N/A	N/A	N/A	N/A
802	8.02	0.62	46.82	2.00	2.94E-010	5.19E-008	5.00	1.73	0.00	0.00	0.00	41.93	15.00	32.78	0.23	0.30	1.06	154.48	0.00	0.67	0.74	20.00	32.78	27.85	98.07	0.34	17.24	N/A	N/A	N/A	N/A
803	8.03	0.63	39.66	2.00	3.52E-010	6.51E-008	5.00	1.81	0.00	0.00	0.00	39.53	15.00	33.57	0.24	0.30	1.08	150.80	0.00	0.68	0.89	20.00	33.57	25.33	91.26	0.28	17.05	N/A	N/A	N/A	N/A
804	8.04	0.63	36.16	2.00	3.79E-010	7.02E-008	5.00	1.82	0.00	0.00	0.00	38.17	15.00	33.61	0.24	0.30	1.08	148.64	0.00	0.68	0.98	20.00	33.61	24.35	87.72	0.26	16.95	N/A	N/A	N/A	N/A
805	8.05	0.63	32.16	3.00	4.16E-010	7.71E-008	5.00	1.82	0.00	0.00	0.00	36.51	15.00	33.64	0.24	0.30	1.08	145.96	0.00	0.68	1.10	20.00	33.64	23.19	83.50	0.23	16.81	N/A	N/A	N/A	N/A
806	8.06	0.64	31.53	3.00	4.38E-010	8.44E-008	5.00	1.89	0.00	0.00	0.00	36.44	15.00	34.30	0.24	0.30	1.10	145.89	0.00	0.68	1.14	20.11	34.30	22.56	82.76	0.22	16.80	N/A	N/A	N/A	N/A
807	8.07	0.64	30.87	3.00	4.45E-010	8.56E-008	5.00	1.89	0.00	0.00	0.00	36.17	15.00	34.31	0.24	0.30	1.10	145.45	0.00	0.68	1.17	20.15	34.31	22.38	82.00	0.22	16.77	N/A	N/A	N/A	N/A
808	8.08	0.63	30.14	3.00	4.37E-010	8.07E-008	5.00	1.81	0.00	0.00	0.00	35.69	15.00	33.66	0.24	0.30	1.08	144.62	0.00	0.67	1.17	20.12	33.66	22.61	81.18	0.21	16.74	N/A	N/A	N/A	N/A
809	8.09	0.63	30.11	3.00	4.37E-010	8.06E-008	5.00	1.81	0.00	0.00	0.00	35.69	15.00	33.67	0.24	0.30	1.08	144.64	0.00	0.67	1.17	20.17	33.67	22.61	81.11	0.21	16.74	N/A	N/A	N/A	N/A
810	8.10	0.62	29.95	3.00	4.23E-010	7.51E-008	5.00	1.74	0.00	0.00	0.00	35.47	15.00	33.04	0.23	0.30	1.05	144.24	0.00	0.67	1.16	20.22	33.04	23.01	80.90	0.21	16.73	N/A	N/A	N/A	N/A
811	8.11	0.61	29.51	3.00	4.13E-010	7.08E-008	5.00	1.68	0.00	0.00	0.00	35.14	15.00	32.47	0.23	0.30	1.04	143.66	0.00	0.66	1.16	20.44	32.47	23.29	80.39	0.21	16.70	N/A	N/A	N/A	N/A
812	8.12	0.61	29.17	3.00	4.17E-010	7.15E-008	5.00	1.68	0.00	0.00	0.00	35.01	15.00	32.50	0.23	0.30	1.04	143.46	0.00	0.66	1.17	20.57	32.50	23.17	79.97	0.21	16.69	N/A	N/A	N/A	N/A
813	8.13	0.62	28.94	3.00	4.36E-010	7.79E-008	5.00	1.75	0.00	0.00	0.00	35.12	15.00	33.20	0.23	0.30	1.06	143.68	0.00	0.66	1.20	20.83	33.20	22.63	79.66	0.20	16.69	N/A	N/A	N/A	N/A
814	8.14	0.65	28.53	3.00	4.94E-010	9.96E-008	5.00	1.98	0.00	0.00	0.00	35.49	15.00	35.28	0.25	0.30	1.12	144.43	0.00	0.66	1.30	21.48	35.28	21.17	79.11	0.20	16.69	N/A	N/A	N/A	N/A
815	8.15	0.66	28.38	3.00	5.15E-010	1.08E-007	5.00	2.05	0.00	0.00	0.00	35.62	15.00	35.98	0.25	0.30	1.14	144.69	0.00	0.66	1.33	21.73	35.98	20.72	78.89	0.20	16.69	N/A	N/A	N/A	N/A
816	8.16	0.67	27.75	3.00	5.43E-010	1.18E-007	5.00	2.14	0.00	0.00	0.00	35.52	15.00	36.71	0.26	0.30	1.16	144.58	0.00	0.66	1.39	22.04	36.71	20.14	78.11	0.20	16.67	N/A	N/A	N/A	N/A
817	8.17	0.68	26.89	3.00	5.75E-010	1.30E-007	5.00	2.21	0.00	0.00	0.00	35.29	15.00	37.38	0.26	0.30	1.18	144.24	0.00	0.66	1.46	22.19	37.38	19.53	77.07	0.19	16.64	N/A	N/A	N/A	N/A
818	8.18	0.67	25.16	3.00	5.83E-010	1.27E-007	5.00	2.13	0.00	0.00	0.00	34.29	15.00	36.72	0.26	0.30	1.16	142.53	0.00	0.66	1.53	22.12	36.72	19.38	75.02	0.18	16.56	N/A	N/A	N/A	N/A
819	8.19	0.66	24.50	3.00	5.74E-010	1.20E-007	5.00	2.05	0.00	0.00	0.00	33.81	15.00	36.06	0.25	0.30	1.14	141.69	0.00	0.66	1.55	22.03	36.06	19.54	74.21	0.17	16.52	N/A	N/A	N/A	N/A
820	8.20	0.67	23.21	3.00	6.19E-010	1.35E-007	5.00	2.13	0.00	0.00	0.00	33.33	15.00	36.77	0.26	0.30	1.16	140.92	0.00	0.66	1.66	22.28	36.77	18.77	72.58	0.16	16.47	N/A	N/A	N/A	N/A
821	8.21	0.67	20.87	3.00	6.69E-010	1.45E-007	5.00	2.13	0.00	0.00	0.00	32.08	15.00	36.77	0.26	0.30	1.16	138.78	0.00	0.66	1.85	22.32	36.77	18.01	69.57	0.15	16.34	N/A	N/A	N/A	N/A
822	8.22	0.70	18.51	3.00	8.05E-010	1.95E-007	5.00	2.37	0.00	0.00	0.00	31.19	15.00	38.80	0.27	0.30	1.22	137.34	0.00	0.66	2.20	22.75	38.80	16.28	66.30	0.13	16.22	N/A	N/A	N/A	N/A
823	8.23	0.72	18.10	3.00	8.71E-010	2.25E-007	5.00	2.53	0.00	0.00	0.00	31.24	15.00	40.14	0.28	0.30	1.26	137.51	0.00	0.67	2.33	22.99	40.14	15.60	65.64	0.13	16.21	N/A	N/A	N/A	N/A
824	8.24	0.74	17.78	3.00	9.36E-010	2.58E-007	5.00	2.70	0.00	0.00	0.00	31.33	15.00	41.48	0.29	0.30	1.30	137.76	0.00	0.67	2.45	23.21	41.48	14.99	65.10	0.12	16.20	N/A	N/A	N/A	N/A
825	8.25	0.73	16.81	3.00	9.42E-010	2.51E-007	5.00	2.61	0.00	0.00	0.00	30.60	15.00	40.80	0.28	0.30	1.28	136.44	0.00	0.67	2.55	23.09	40.80	14.94	63.72	0.12	16.13	N/A	N/A	N/A	N/A
826	8.26	0.69	16.62	3.00	8.35E-010	1.94E-007	5.00	2.28	0.00	0.00	0.00	29.95	15.00	38.13	0.27	0.30	1.19	135.13	0.00	0.66	2.41	22.68	38.13	15.96	63.55	0.12	16.09	N/A	N/A	N/A	N/A
827	8.27	0.66	17.28	3.00	7.37E-010	1.54E-007	4.00	2.05	0.00	0.00	0.00	29.96	15.00	36.19	0.25	0.30	1.13	135.03	0.00	0.65	2.20	22.56	36.19	17.09	64.55	0.12	16.12	N/A	N/A	N/A	N/A
828	8.28	0.66	17.59	3.00	7.28E-010	1.52E-007	5.00	2.05	0.00	0.00	0.00	30.18	15.00	36.23	0.25	0.30	1.13	135.42	0.00	0.64	2.16	22.69	36.23	17.20	64.96	0.12	16.14	N/A	N/A	N/A	N/A
829	8.29	0.65	17.12	3.00	7.17E-010	1.45E-007	4.00	1.98	0.00	0.00	0.00	29.77	15.00	35.61	0.25	0.30	1.11	134.66	0.00	0.64	2.18	22.71	35.61	17.34	64.28	0.12	16.11	N/A	N/A	N/A	N/A
830	8.30	0.66	16.62	3.00	7.59E-010	1.59E-007	4.00	2.06	0.00	0.00	0.00	29.64	15.00	36.34	0.25	0.30	1.13	134.47	0.00	0.64	2.30	23.00	36.34	16.81	63.52	0.12	16.08	N/A	N/A	N/A	N/A
831	8.31	0.66	16.43	3.00	7.65E-010	1.61E-007	4.00	2.06	0.00	0.00	0.00	29.53	15.00	36.35	0.25	0.30	1.13	134.29	0.00	0.64	2.32	23.05	36.35	16.74	63.22	0.11	16.07	N/A	N/A	N/A	N/A
832	8.32	0.66	16.40	3.00	7.65E-010	1.61E-007	4.00	2.06	0.00	0.00	0.00	29.53	15.00	36.36	0.25	0.30	1.13	134.30	0.00	0.64	2.33	23.09	36.36	16.74	63.15	0.11	16.06	N/A	N/A	N/A	N/A
833	8.33	0.66	16.30	3.00	7.69E-010	1.61E-007	4.00	2.06	0.00	0.00	0.00	29.49	15.00	36.39	0.25	0.30	1.13	134.23	0.00	0.64	2.34	23.18	36.39	16.70	62.98	0.11	16.06	N/A	N/A	N/A	N/A
834	8.34	0.66	16.40	3.00	7.65E-010	1.60E-007	4.00	2.06	0.00	0.00	0.00	29.57	15.00	36.40	0.25	0.30	1.13	134.39	0.00	0.64	2.33	23.22	36.40	16.74	63.10	0.11	16.06	N/A	N/A	N/A	N/A
835	8.35	0.70	16.05	3.00	8.87E-010	2.15E-007	5.00	2.37	0.00	0.00	0.00	29.94	15.00	39.11	0.27	0.30	1.21	135.22	0.00	0.65	2.56	23.77	39.11	15.44	62.46	0.11	16.06	N/A	N/A	N/A	N/A
836	8.36	0.73	15.95	3.00	9.78E-010	2.62E-007	5.00	2.62	0.00	0.00	0.00	30.30	15.00	41.14	0.28	0.30	1.28	136.00	0.00	0.65	2.71	24.14	41.14	14.63	62.19	0.11	16.07	N/A	N/A	N/A	N/A
837	8.37	0.81	16.21	3.00	1.60E-009	5.48E-007	5.00	3.37	0.00	0.00	0.00	31.53	15.00	46.63	0.32	0.30	1.44	138.48	0.00	0.67	3.02	25.22	46.63	12.93	62.19	0.11	16.13	N/A	N/A	N/A	N/A
838	8.38	0.83	16.21	3.00	1.81E-009	6.61E-007	5.00	3.58	0.00	0.00	0.00	31.81	15.00	48.11	0.33	0.30	1.49	139.06	0.00	0.67	3.12	25.73	48.11	12.51	62.06	0.11	16.14	N/A	N/A	N/A	N/A
839	8.39	0.84	16.11	3.00	1.94E-009	7.29E-007	5.00	3.68	0.00	0.00	0.00	31.89	15.00	48.84	0.34	0.30	1.51	139.24	0.00	0.67	3.18	25.96	48.84	12.29	61.83	0.11	16.14	N/A	N/A	N/A	N/A
840	8.40	0.83	15.51	3.00	1.94E-009	7.08E-007	5.00	3.58	0.00	0.00	0.00	31.38	15.00	48.19	0.33	0.30	1.49	138.33	0.00	0.67	3.26	25.92	48.19	12.30	60.97	0.11	16.09	N/A	N/A	N/A	N/A
841	8.41	0.84	15.26	3.00	2.09E-009	7.84E-007	5.00	3.68	0.00	0.00	0.00	31.34	15.00	48.84	0.33	0.30	1.51	138.30	0.00	0.67	3.36	25.97	48.84	12.06	60.52	0.10	16.07	N/A	N/A	N/A	N/A
842	8.42	0.84	14.79	3.00	2.18E-009	8.15E-007	5.00	3.67	0.00	0.00	0.00	31.02	15.00	48.81	0.33	0.30	1.50	137.76	0.00	0.67	3.47	25.92	48.81	11.93	59.79	0.10	16.04	N/A	N/A	N/A	N/A
843	8.43	0.83	16.46	3.00	1.75E-009	6.34E-007	5.00	3.56	0.00	0.00	0.00	32.06	15.00	48.11	0.33	0.30	1.48	139.53	0.00	0.67	3.07	25.78	48.11	12.63	62.31	0.11	16.16	N/A	N/A	N/A	N/A
844	8.44	0.83	16.96	3.00	1.66E-009	6.02E-007	5.00	3.55	0.00	0.00	0.00	32.41	15.00	48.10	0.33	0.30	1.48	140.13	0.00	0.67	2.98	25.76	48.10	12.79	63.01	0.12	16.19	N/A	N/A	N/A	N/A
845	8.45	0.83	17.37	3.00	1.60E-009	5.78E-007	5.00	3.55	0.00	0.00	0.00	32.69	15.00	48.09	0.33	0.30	1.48	140.63	0.00	0.67	2.91	25.76	48.09	12.92	63.57	0.12	16.22	N/A	N/A	N/A	N/A
846	8.46	0.82	17.59	3.00	1.47E-009	5.18E-007	5.00	3.45	0.00	0.00	0.00	32.73	15.00	47.42	0.32	0.30	1.45	140.66	0.00	0.67	2.83	25.68	47.42	13.19	63.91	0.12	16.23	N/A	N/A	N/A	N/A
847	8.47	0.80	18.82	3.00	1.18E-009	3.90E-007	5.00	3.25	0.00	0.00	0.00	33.27	15.00	46.09	0.31	0.30	1.41	141.53	0.00	0.66	2.57	25.53	46.09	13.96	65.68	0.13	16.30	N/A	N/A	N/A	N/A
848	8.48	0.79	18.98	3.00	1.09E-009	3.50E-007	5.00	3.15	0.00	0.00	0.00	33.26	15.00	45.41	0.31	0.30	1.39	141.48	0.00	0.66	2.51	25.45	45.41	14.24	65.91	0.13	16.30	N/A	N/A	N/A	N/A
849	8.49	0.79	18.92	3.00	1.09E-009	3.50E-007	5.00	3.15	0.00	0.00	0.00	33.24	15.00	45.41	0.31	0.30	1.39	141.45	0.00	0.66	2.52	25.44	45.41	14.23	65.81	0.13	16.30	N/A	N/A	N/A	N/A
850	8.50	0.80	19.14	3.00	1.13E-009	3.74E-007	5.00	3.24	0.00	0.00	0.00	33.52	15.00	46.06	0.31	0.30	1.41	141.96	0.00	0.66	2.53	25.51	46.06	14.09	66.04	0.13	16.32	N/A	N/A	N/A	N/A
851	8.51	0.79	19.49	3.00	1.03E-009	3.31E-007	5.00	3.14	0.00	0.00	0.00	33.62	15.00	45.38	0.31	0.30	1.38	142.10	0.00	0.66	2.44	25.41	45.38	14.43	66.52	0.13	16.33	N/A	N/A	N/A	N/A
852	8.52	0.79	20.65	3.00	9.61E-010	3.07E-007	5.00	3.13	0.00	0.00	0.00	34.33	15.00	45.37	0.31	0.30	1.38	143.31	0.00	0.66	2.31	25.39	45.37	14.77	68.02	0.14	16.40	N/A	N/A	N/A	N/A
853	8.53	0.79	21.22	3.00	9.41E-010	3.00E-007	5.00	3.13	0.00	0.00	0.00	34.68	15.00	45.36	0.31	0.30	1.38	143.90	0.00	0.66	2.24	25.37	45.36	14.94	68.72	0.14	16.43	N/A	N/A	N/A	N/A
854	8.54	0.81	21.25	3.00	9.92E-010	3.35E-007	5.00	3.31	0.00	0.00	0.00	34.98	15.00	46.70	0.32	0.30	1.42	144.48	0.00	0.66	2.31	25.56	46.70	14.52	68.65	0.14	16.44	N/A	N/A	N/A	N/A
855	8.55	0.84	20.97	3.00	1.22E-009	4.48E-007	5.00	3.60	0.00	0.00	0.00	35.22	15.00	48.70	0.33	0.30	1.48	144.98	0.00	0.67	2.44	25.81	48.70	13.83	68.13	0.14	16.44	N/A	N/A	N/A	N/A
856	8.56	0.87	20.46	3.00	1.50E-009	5.94E-007	5.00	3.89	0.00	0.00	0.00	35.31	15.00	50.69	0.34	0.30	1.54	145.23	0.00	0.68	2.60	26.02	50.69	13.14	67.30	0.14	16.42	N/A	N/A	N/A	N/A
857	8.57	0.91	19.96	3.00	1.92E-009	8.45E-007	6.00	4.31	0.00	0.00	0.00	35.51	15.00	53.36	0.36	0.30	1.62	145.68	0.00	0.69	2.81	26.34	53.36	12.33	66.40	0.13	16.41	N/A	N/A	N/A	N/A
858	8.58	0.91	19.71	3.00	1.95E-009	8.55E-007	5.00	4.30	0.00	0.00	0.00	35.36	15.00	53.34	0.36	0.30	1.61	145.46	0.00	0.69	2.84	26.30	53.34	12.28	66.05	0.13	16.40	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
859	8.59	0.88	19.83	3.00	1.64E-009	6.63E-007	5.00	3.97	0.00	0.00	0.00	35.09	15.00	51.28	0.34	0.30	1.55	144.91	0.00	0.68	2.72	25.98	51.28	12.85	66.35	0.13	16.39	N/A	N/A	N/A	N/A
860	8.60	0.88	19.64	3.00	1.65E-009	6.66E-007	5.00	3.96	0.00	0.00	0.00	34.98	15.00	51.24	0.34	0.30	1.55	144.74	0.00	0.68	2.74	25.90	51.24	12.82	66.08	0.13	16.38	N/A	N/A	N/A	N/A
861	8.61	0.94	20.40	3.00	2.11E-009	9.89E-007	6.00	4.59	0.00	0.00	0.00	36.18	15.00	55.19	0.37	0.30	1.66	146.89	0.00	0.70	2.84	26.22	55.19	12.03	66.72	0.14	16.45	N/A	N/A	N/A	N/A
862	8.62	1.03	22.73	3.00	2.75E-009	1.58E-006	6.00	5.65	0.00	0.00	0.00	38.65	15.00	61.24	0.41	0.30	1.84	151.10	0.00	0.72	2.83	26.92	61.24	11.24	69.08	0.15	16.61	N/A	N/A	N/A	N/A
863	8.63	1.25	23.87	3.00	6.24E-009	5.52E-006	7.00	8.68	0.00	0.00	0.00	41.66	15.00	75.99	0.51	0.30	2.29	156.28	0.00	0.78	3.34	28.30	75.99	9.02	68.74	0.16	16.73	N/A	N/A	N/A	N/A
864	8.64	1.96	24.06	4.00	4.82E-008	1.14E-004	9.00	23.29	0.00	0.00	0.00	47.29	15.00	123.55	0.82	0.30	3.77	165.62	0.00	0.96	5.39	31.32	123.55	4.94	62.08	0.13	16.91	N/A	N/A	N/A	N/A
865	8.65	2.45	24.59	4.00	1.30E-007	4.35E-004	10.00	32.82	0.00	0.00	0.00	50.31	15.00	156.28	1.04	0.30	4.87	170.27	0.00	1.00	6.67	0.00	156.28	3.58	58.14	0.10	17.02	N/A	N/A	N/A	N/A
866	8.66	2.95	25.57	5.00	2.84E-007	1.15E-003	11.00	39.82	24.00	30.74	46.41	53.34	0.00	0.00	0.00	0.30	0.00	174.74	-0.02	0.00	0.00	0.00	89.25	2.77	55.38	0.08	17.14	N/A	N/A	N/A	N/A
867	8.67	3.61	27.75	5.00	5.90E-007	2.91E-003	12.00	48.46	27.00	30.59	49.49	57.44	0.00	0.00	0.00	0.30	0.00	180.46	-0.01	0.00	0.00	0.00	88.85	2.20	54.25	0.07	17.30	N/A	N/A	N/A	N/A
868	8.68	3.73	27.90	5.00	6.76E-007	3.45E-003	13.00	50.11	27.00	30.56	49.94	58.02	0.00	0.00	0.00	0.30	0.00	181.27	-0.01	0.00	0.00	0.00	88.82	2.11	53.95	0.07	17.32	N/A	N/A	N/A	N/A
869	8.69	3.83	29.57	5.00	6.95E-007	3.65E-003	13.00	51.50	27.00	30.69	51.07	59.59	0.00	0.00	0.00	0.30	0.00	183.31	-0.01	0.00	0.00	0.00	89.38	2.09	54.98	0.08	17.40	N/A	N/A	N/A	N/A
870	8.70	3.84	29.20	5.00	7.15E-007	3.77E-003	13.00	51.65	27.00	30.64	50.95	59.40	0.00	0.00	0.00	0.30	0.00	183.08	-0.01	0.00	0.00	0.00	89.34	2.07	54.65	0.07	17.39	N/A	N/A	N/A	N/A
871	8.71	3.80	29.95	5.00	6.54E-007	3.40E-003	13.00	51.09	27.00	30.73	51.23	59.82	0.00	0.00	0.00	0.30	0.00	183.59	-0.02	0.00	0.00	0.00	89.76	2.13	55.35	0.08	17.41	N/A	N/A	N/A	N/A
872	8.72	3.63	31.62	5.00	4.86E-007	2.41E-003	13.00	48.72	27.00	30.98	51.54	60.34	0.00	0.00	0.00	0.30	0.00	184.15	-0.02	0.00	0.00	0.00	90.75	2.33	57.39	0.09	17.46	N/A	N/A	N/A	N/A
873	8.73	3.50	32.41	5.00	3.94E-007	1.88E-003	12.00	46.89	26.00	31.14	51.53	60.38	0.00	0.00	0.00	0.30	0.00	184.14	-0.02	0.00	0.00	0.00	91.42	2.49	58.71	0.10	17.47	N/A	N/A	N/A	N/A
874	8.74	3.24	35.66	5.00	2.35E-007	1.04E-003	12.00	43.25	25.00	31.65	52.18	61.42	0.00	0.00	0.00	0.30	0.00	185.29	-0.03	0.00	0.00	0.00	93.38	2.95	63.25	0.15	17.55	N/A	N/A	N/A	N/A
875	8.75	3.10	36.29	5.00	1.85E-007	7.80E-004	12.00	41.29	24.00	31.82	52.00	61.22	0.00	0.00	0.00	0.30	0.00	184.97	-0.04	0.00	0.00	0.00	94.13	3.19	64.89	0.17	17.55	N/A	N/A	N/A	N/A
876	8.76	2.73	39.22	4.00	8.94E-008	3.29E-004	11.00	36.11	0.00	0.00	0.00	61.23	15.00	171.94	1.13	0.30	5.25	184.77	0.00	1.00	4.60	0.00	171.94	4.05	70.88	0.27	17.59	N/A	N/A	N/A	N/A
877	8.77	2.52	41.40	4.00	5.56E-008	1.88E-004	11.00	33.17	0.00	0.00	0.00	61.39	15.00	157.93	1.04	0.30	4.76	184.85	0.00	1.00	4.01	0.00	157.93	4.72	74.98	0.38	17.63	N/A	N/A	N/A	N/A
878	8.78	2.06	48.27	4.00	1.64E-008	4.01E-005	10.00	23.94	0.00	0.00	0.00	62.02	15.00	127.27	0.84	0.30	3.76	185.28	0.00	1.00	2.77	0.00	127.27	6.85	85.96	0.58	17.72	N/A	N/A	N/A	N/A
879	8.79	1.86	53.41	3.00	8.61E-009	1.68E-005	9.00	19.17	0.00	0.00	0.00	62.69	15.00	113.94	0.75	0.30	3.36	185.87	0.00	1.00	2.24	0.00	113.94	8.25	92.53	0.58	17.80	N/A	N/A	N/A	N/A
880	8.80	1.72	59.31	3.00	4.96E-009	8.16E-006	9.00	16.14	0.00	0.00	0.00	63.92	15.00	104.61	0.69	0.30	3.09	187.21	0.00	1.00	1.85	0.00	104.61	9.60	98.78	0.39	17.89	N/A	N/A	N/A	N/A
881	8.81	1.62	71.67	3.00	2.65E-009	3.81E-006	9.00	14.13	0.00	0.00	0.00	67.78	15.00	97.94	0.64	0.30	2.89	191.74	0.00	1.00	1.43	0.00	97.94	11.35	109.15	0.47	18.09	N/A	N/A	N/A	N/A
882	8.82	1.76	78.32	3.00	3.30E-009	5.69E-006	10.00	16.93	0.00	0.00	0.00	71.87	15.00	107.28	0.70	0.30	3.16	196.71	0.00	1.00	1.44	0.00	107.28	10.71	112.70	0.51	18.22	N/A	N/A	N/A	N/A
883	8.83	2.01	81.73	3.00	5.63E-009	1.30E-005	11.00	22.58	0.00	0.00	0.00	75.81	15.00	123.96	0.81	0.30	3.64	201.47	0.00	1.00	1.59	0.00	123.96	9.28	112.70	0.53	18.32	N/A	N/A	N/A	N/A
884	8.84	3.09	75.73	4.00	4.72E-008	1.98E-004	13.00	41.16	0.00	0.00	0.00	81.92	15.00	195.99	1.28	0.30	5.84	209.00	0.00	1.00	2.72	0.00	195.99	4.97	96.84	0.58	18.40	N/A	N/A	N/A	N/A
885	8.85	3.73	72.39	4.00	1.24E-007	6.36E-004	15.00	50.12	0.00	0.00	0.00	83.80	15.00	238.66	1.55	0.30	7.26	211.26	0.00	1.00	3.46	0.00	238.66	3.64	88.05	0.58	18.42	N/A	N/A	N/A	N/A
886	8.86	4.99	67.54	5.00	5.44E-007	3.75E-003	17.00	67.64	31.00	32.92	70.12	86.76	0.00	0.00	0.00	0.30	0.00	214.79	-0.06	0.00	0.00	0.00	99.47	2.25	76.04	0.42	18.45	N/A	N/A	N/A	N/A
887	8.87	5.63	67.60	5.00	9.44E-007	7.37E-003	18.00	76.56	33.00	32.73	71.82	89.10	0.00	0.00	0.00	0.30	0.00	217.38	-0.06	0.00	0.00	0.00	98.89	1.92	74.04	0.36	18.50	N/A	N/A	N/A	N/A
888	8.88	6.31	66.43	5.00	1.64E-006	1.44E-002	20.00	86.06	35.00	32.64	73.03	90.72	0.00	0.00	0.00	0.30	0.00	219.21	-0.06	0.00	0.00	0.00	98.68	1.66	73.10	0.33	18.52	N/A	N/A	N/A	N/A
889	8.89	6.31	66.43	5.00	1.64E-006	1.44E-002	20.00	86.06	35.00	32.64	73.07	90.76	0.00	0.00	0.00	0.30	0.00	219.26	-0.06	0.00	0.00	0.00	98.78	1.66	73.07	0.33	18.52	N/A	N/A	N/A	N/A
890	8.90	6.31	66.43	5.00	1.63E-006	1.43E-002	20.00	86.05	35.00	32.64	73.10	90.80	0.00	0.00	0.00	0.30	0.00	219.31	-0.05	0.00	0.00	0.00	98.89	1.67	73.04	0.33	18.52	N/A	N/A	N/A	N/A
891	8.91	8.57	51.33	6.00	1.04E-005	9.49E-002	22.00	89.73	42.00	33.25	71.60	88.07	0.00	0.00	0.00	0.30	0.00	217.04	-0.07	0.00	0.00	0.00	101.36	1.28	79.84	0.58	18.34	N/A	N/A	N/A	N/A
892	8.92	8.62	52.18	6.00	1.03E-005	9.51E-002	23.00	90.32	42.00	33.29	72.06	88.75	0.00	0.00	0.00	0.30	0.00	217.75	-0.07	0.00	0.00	0.00	101.62	1.28	80.26	0.60	18.36	N/A	N/A	N/A	N/A
893	8.93	8.55	52.81	6.00	9.74E-006	8.99E-002	22.00	90.54	42.00	33.25	72.24	89.02	0.00	0.00	0.00	0.30	0.00	218.01	-0.07	0.00	0.00	0.00	101.58	1.28	79.79	0.57	18.37	N/A	N/A	N/A	N/A
894	8.94	8.27	54.61	6.00	7.89E-006	7.31E-002	22.00	90.91	41.00	33.10	72.53	89.51	0.00	0.00	0.00	0.30	0.00	218.46	-0.06	0.00	0.00	0.00	101.11	1.31	78.05	0.50	18.40	N/A	N/A	N/A	N/A
895	8.95	8.09	55.11	6.00	7.01E-006	6.49E-002	22.00	90.80	41.00	32.99	72.45	89.42	0.00	0.00	0.00	0.30	0.00	218.33	-0.06	0.00	0.00	0.00	100.83	1.32	76.87	0.45	18.40	N/A	N/A	N/A	N/A
896	8.96	7.74	54.23	6.00	5.88E-006	5.37E-002	21.00	89.60	40.00	32.77	71.49	88.06	0.00	0.00	0.00	0.30	0.00	216.88	-0.06	0.00	0.00	0.00	100.09	1.34	74.43	0.37	18.37	N/A	N/A	N/A	N/A
897	8.97	7.57	54.58	6.00	5.25E-006	4.78E-002	21.00	89.43	39.00	32.68	71.35	87.88	0.00	0.00	0.00	0.30	0.00	216.67	-0.06	0.00	0.00	0.00	99.86	1.36	73.44	0.34	18.36	N/A	N/A	N/A	N/A
898	8.98	7.37	54.89	6.00	4.59E-006	4.17E-002	21.00	89.15	39.00	32.57	71.13	87.59	0.00	0.00	0.00	0.30	0.00	216.34	-0.05	0.00	0.00	0.00	99.58	1.38	72.35	0.31	18.36	N/A	N/A	N/A	N/A
899	8.99	6.98	57.48	5.00	3.29E-006	3.01E-002	20.00	89.53	37.00	32.46	71.43	88.12	0.00	0.00	0.00	0.30	0.00	216.79	-0.05	0.00	0.00	0.00	99.26	1.45	71.16	0.28	18.39	N/A	N/A	N/A	N/A
900	9.00	6.78	57.73	5.00	2.85E-006	2.59E-002	20.00	89.18	37.00	32.39	71.16	87.75	0.00	0.00	0.00	0.30	0.00	216.38	-0.05	0.00	0.00	0.00	99.12	1.49	70.45	0.26	18.39	N/A	N/A	N/A	N/A
901	9.01	6.59	58.74	5.00	2.42E-006	2.20E-002	20.00	89.22	36.00	32.36	71.19	87.83	0.00	0.00	0.00	0.30	0.00	216.42	-0.05	0.00	0.00	0.00	99.13	1.53	70.18	0.26	18.40	N/A	N/A	N/A	N/A
902	9.02	6.28	58.99	5.00	1.92E-006	1.74E-002	19.00	88.55	35.00	32.30	70.65	87.11	0.00	0.00	0.00	0.30	0.00	215.60	-0.05	0.00	0.00	0.00	99.02	1.61	69.58	0.25	18.38	N/A	N/A	N/A	N/A
903	9.03	6.16	58.39	5.00	1.79E-006	1.53E-002	19.00	83.98	35.00	32.26	70.19	86.44	0.00	0.00	0.00	0.30	0.00	214.90	-0.05	0.00	0.00	0.00	98.97	1.63	69.13	0.24	18.36	N/A	N/A	N/A	N/A
904	9.04	5.98	57.35	5.00	1.61E-006	1.33E-002	19.00	81.45	34.00	32.19	69.41	85.34	0.00	0.00	0.00	0.30	0.00	213.71	-0.05	0.00	0.00	0.00	98.83	1.67	68.47	0.22	18.33	N/A	N/A	N/A	N/A
905	9.05	5.93	56.31	5.00	1.59E-006	1.31E-002	18.00	80.75	34.00	32.14	68.93	84.63	0.00	0.00	0.00	0.30	0.00	212.96	-0.04	0.00	0.00	0.00	98.74	1.68	67.95	0.22	18.31	N/A	N/A	N/A	N/A
906	9.06	6.06	54.11	5.00	1.88E-006	1.64E-002	19.00	85.71	34.00	32.06	68.38	83.79	0.00	0.00	0.00	0.30	0.00	212.11	-0.04	0.00	0.00	0.00	98.53	1.61	67.11	0.20	18.27	N/A	N/A	N/A	N/A
907	9.07	6.26	52.69	5.00	2.28E-006	1.99E-002	19.00	85.58	35.00	32.04	68.28	83.58	0.00	0.00	0.00	0.30	0.00	211.95	-0.04	0.00	0.00	0.00	98.57	1.55	66.90	0.20	18.25	N/A	N/A	N/A	N/A
908	9.08	6.47	52.15	5.00	2.69E-006	2.36E-002	19.00	85.90	36.00	32.07	68.53	83.90	0.00	0.00	0.00	0.30	0.00	212.35	-0.04	0.00	0.00	0.00	98.82	1.50	67.26	0.20	18.25	N/A	N/A	N/A	N/A
909	9.09	6.89	53.22	5.00	3.46E-006	3.09E-002	20.00	87.55	37.00	32.26	69.86	85.74	0.00	0.00	0.00	0.30	0.00	214.39	-0.05	0.00	0.00	0.00	99.66	1.44	69.13	0.24	18.30	N/A	N/A	N/A	N/A
910	9.10	7.05	54.36	5.00	3.69E-006	3.34E-002	20.00	88.57	37.00	32.36	70.67	86.89	0.00	0.00	0.00	0.30	0.00	215.63	-0.05	0.00	0.00	0.00	100.15	1.43	70.11	0.26	18.33	N/A	N/A	N/A	N/A
911	9.11	7.18	55.02	5.00	3.92E-006	3.57E-002	21.00	89.26	38.00	32.43	71.22	87.67	0.00	0.00	0.00	0.30	0.00	216.47	-0.05	0.00	0.00	0.00	100.54	1.41	70.85	0.27	18.35	N/A	N/A	N/A	N/A
912	9.12	7.20	54.39	5.00	4.04E-006	3.67E-002	21.00	89.03	38.00	32.42	71.03	87.38	0.00	0.00	0.00	0.30	0.00	216.19	-0.05	0.00	0.00	0.00	100.62	1.41	70.73	0.27	18.34	N/A	N/A	N/A	N/A
913	9.13	7.22	51.93	5.00	4.42E-006	3.96E-002	20.00	87.85	38.00	32.36	70.09	85.98	0.00	0.00	0.00	0.30	0.00	214.75	-0.05	0.00	0.00	0.00	100.52	1.39	70.17	0.26	18.29	N/A	N/A	N/A	N/A
914	9.14	7.23	50.70	6.00	4.62E-006	4.11E-002	20.00	87.27	38.00	32.33	69.63	85.28	0.00	0.00	0.00	0.30	0.00	214.04	-0.05	0.00	0.00	0.00	100.52	1.38	69.88	0.25	18.26	N/A	N/A	N/A	N/A
915	9.15	7.18	48.24	6.00	4.86E-006	4.25E-002	20.00	85.88	38.00	32.24	68.52	83.65	0.00	0.00	0.00	0.30	0.00	212.33	-0.05	0.00	0.00	0.00	100.29	1.37	68.98	0.23	18.20	N/A	N/A	N/A	N/A
916	9.16	7.15	47.01	6.00	4.96E-006	4.31E-002	20.00	85.18	38.00	32.20	67.96	82.83	0.00	0.00	0.00	0.30	0.00	211.46	-0.05	0.00	0.00	0.00	100.21	1.37	68.48	0.22	18.17	N/A	N/A	N/A	N/A
917	9.17	7.00	44.71	6.00	4.88E-006	4.16E-002	20.00	83.60	37.00	32.05	66.70	80.99	0.00	0.00	0.00	0.30	0.00	209.49	-0.04	0.00	0.00	0.00	99.77	1.37	67.06	0.20	18.11	N/A	N/A	N/A	N/A
918	9.18	6.93	43.67	6.00	4.83E-006	4.08E-002	19.00	82.89	37.00	31.98	66.13	80.17	0.00	0.00	0.00	0.30	0.00	208.60	-0.04	0.00	0.00	0.00	99.61	1.37	66.38	0.19	18.07	N/A	N/A	N/A	N/A
919	9.19	6.87	42.66	6.00	4.81E-006	4.03E-002	19.00	82.21	37.00	31.92	65.60	79.38	0.00	0.00	0.00	0.30	0.00	207.75	-0.04	0.00	0.00	0.00	99.47	1.38	65.76	0.18	18.04	N/A	N/A	N/A	N/A
920	9.20	6.80	42.06	6.00	4.69E-006	3.91E-002	19.00	81.74	37.00	31.86	65.22	78.84	0.00	0.00	0.00	0.30	0.00	207.15	-0.04	0.00	0.00	0.00	99.35	1.38	65.19	0.17	18.02	N/A	N/A	N/A	N/A
921	9.21	6.68	39.85	6.00	4.70E-006	3.84E-002	19.00	80.22	36.00	31.72	64.00	77.08	0.00	0.00	0.00	0.30	0.00	205.21	-0.04	0.00	0.00	0.00	98.95	1.38	63.93	0.16	17.95	N/A	N/A	N/A	N/A
922	9.22	6.62	37.36	6.00	4.98E-006	3.99E-002	19.00	78.65	36.00	31.61	62.75	75.24	0.00	0.00	0.00	0.30	0.00	203.19	-0.03	0.00	0.00	0.00	98.64	1.37	62.93	0.14	17.88	N/A	N/A	N/A	N/A
923	9.23	6.54	34.53	6.00	5.31E-006	4.15E-002	18.00	76.79	36.00	31.48	61.27	73.07	0.00	0.00	0.00	0.30	0.00	200.77	-0.03	0.00	0.00	0.00	98.24	1.36	61.73	0.13	17.78	N/A	N/A	N/A	N/A
924	9.24	6.51	32.92	6.00	5.57E-006	4.30E-002	18.00	75.75	36.00	31.41	60.44	71.85	0.00	0.00	0.00	0.30	0.00	199.42	-0.03	0.00	0.00	0.00	98.08	1.35	61.12	0.12	17.73	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
925	9.25	6.47	30.96	6.00	5.92E-006	4.49E-002	18.00	74.45	36.00	31.33	59.40	70.33	0.00	0.00	0.00	0.30	0.00	197.70	-0.03	0.00	0.00	0.00	97.87	1.34	60.38	0.12	17.65	N/A	N/A	N/A	N/A
926	9.26	6.45	28.63	6.00	6.52E-006	4.85E-002	18.00	72.93	36.00	31.25	58.19	68.54	0.00	0.00	0.00	0.30	0.00	195.67	-0.03	0.00	0.00	0.00	97.67	1.33	59.68	0.11	17.56	N/A	N/A	N/A	N/A
927	9.27	6.42	27.62	6.00	6.70E-006	4.93E-002	17.00	72.22	36.00	31.20	57.62	67.70	0.00	0.00	0.00	0.30	0.00	194.72	-0.02	0.00	0.00	0.00	97.57	1.33	59.23	0.11	17.52	N/A	N/A	N/A	N/A
928	9.28	6.32	26.11	6.00	6.74E-006	4.88E-002	17.00	71.00	35.00	31.08	56.65	66.28	0.00	0.00	0.00	0.30	0.00	193.05	-0.02	0.00	0.00	0.00	97.22	1.33	58.21	0.10	17.45	N/A	N/A	N/A	N/A
929	9.29	6.20	24.94	6.00	6.57E-006	4.68E-002	17.00	69.93	35.00	30.95	55.79	65.06	0.00	0.00	0.00	0.30	0.00	191.60	-0.02	0.00	0.00	0.00	96.83	1.33	57.13	0.09	17.39	N/A	N/A	N/A	N/A
930	9.30	6.15	24.72	6.00	6.40E-006	4.54E-002	17.00	69.68	35.00	30.90	55.60	64.78	0.00	0.00	0.00	0.30	0.00	191.26	-0.02	0.00	0.00	0.00	96.75	1.33	56.73	0.09	17.37	N/A	N/A	N/A	N/A
931	9.31	6.13	24.50	6.00	6.37E-006	4.51E-002	17.00	69.51	35.00	30.87	55.46	64.58	0.00	0.00	0.00	0.30	0.00	191.02	-0.02	0.00	0.00	0.00	96.75	1.33	56.51	0.09	17.36	N/A	N/A	N/A	N/A
932	9.32	6.08	24.18	6.00	6.23E-006	4.40E-002	17.00	69.19	35.00	30.82	55.20	64.21	0.00	0.00	0.00	0.30	0.00	190.58	-0.02	0.00	0.00	0.00	96.65	1.34	56.08	0.08	17.34	N/A	N/A	N/A	N/A
933	9.33	6.05	24.09	6.00	6.11E-006	4.30E-002	17.00	69.08	35.00	30.79	55.12	64.09	0.00	0.00	0.00	0.30	0.00	190.43	-0.02	0.00	0.00	0.00	96.64	1.34	55.84	0.08	17.34	N/A	N/A	N/A	N/A
934	9.34	5.97	23.77	6.00	5.85E-006	4.10E-002	16.00	68.68	34.00	30.72	54.80	63.64	0.00	0.00	0.00	0.30	0.00	189.88	-0.01	0.00	0.00	0.00	96.46	1.34	55.23	0.08	17.32	N/A	N/A	N/A	N/A
935	9.35	5.91	23.81	6.00	5.57E-006	3.89E-002	16.00	68.58	34.00	30.67	54.72	63.55	0.00	0.00	0.00	0.30	0.00	189.74	-0.01	0.00	0.00	0.00	96.37	1.35	54.84	0.08	17.32	N/A	N/A	N/A	N/A
936	9.36	5.82	24.44	6.00	5.01E-006	3.51E-002	16.00	68.81	34.00	30.62	54.91	63.85	0.00	0.00	0.00	0.30	0.00	190.06	-0.01	0.00	0.00	0.00	96.29	1.37	54.46	0.07	17.34	N/A	N/A	N/A	N/A
937	9.37	5.78	24.47	6.00	4.83E-006	3.39E-002	16.00	68.76	34.00	30.59	54.86	63.80	0.00	0.00	0.00	0.30	0.00	189.99	-0.01	0.00	0.00	0.00	96.27	1.37	54.21	0.07	17.34	N/A	N/A	N/A	N/A
938	9.38	5.77	24.37	6.00	4.81E-006	3.37E-002	16.00	68.69	34.00	30.57	54.81	63.72	0.00	0.00	0.00	0.30	0.00	189.90	-0.01	0.00	0.00	0.00	96.32	1.38	54.10	0.07	17.33	N/A	N/A	N/A	N/A
939	9.39	5.77	24.34	6.00	4.81E-006	3.37E-002	16.00	68.70	34.00	30.57	54.81	63.72	0.00	0.00	0.00	0.30	0.00	189.91	-0.01	0.00	0.00	0.00	96.40	1.38	54.06	0.07	17.33	N/A	N/A	N/A	N/A
940	9.40	5.77	23.87	6.00	4.92E-006	3.43E-002	16.00	68.40	34.00	30.55	54.58	63.36	0.00	0.00	0.00	0.30	0.00	189.50	-0.01	0.00	0.00	0.00	96.42	1.37	53.89	0.07	17.31	N/A	N/A	N/A	N/A
941	9.41	5.76	24.09	6.00	4.81E-006	3.36E-002	16.00	68.56	33.00	30.54	54.70	63.54	0.00	0.00	0.00	0.30	0.00	189.71	-0.01	0.00	0.00	0.00	96.51	1.38	53.86	0.07	17.32	N/A	N/A	N/A	N/A
942	9.42	5.78	24.40	6.00	4.79E-006	3.36E-002	16.00	68.86	33.00	30.57	54.94	63.88	0.00	0.00	0.00	0.30	0.00	190.12	-0.01	0.00	0.00	0.00	96.70	1.38	54.04	0.07	17.34	N/A	N/A	N/A	N/A
943	9.43	5.87	24.18	6.00	5.19E-006	3.65E-002	16.00	68.97	34.00	30.62	55.03	63.96	0.00	0.00	0.00	0.30	0.00	190.28	-0.01	0.00	0.00	0.00	97.00	1.36	54.45	0.07	17.33	N/A	N/A	N/A	N/A
944	9.44	5.92	23.77	6.00	5.50E-006	3.86E-002	16.00	68.84	34.00	30.64	54.93	63.78	0.00	0.00	0.00	0.30	0.00	190.10	-0.01	0.00	0.00	0.00	97.18	1.35	54.59	0.07	17.31	N/A	N/A	N/A	N/A
945	9.45	6.05	24.09	6.00	5.94E-006	4.20E-002	17.00	69.43	34.00	30.74	55.39	64.41	0.00	0.00	0.00	0.30	0.00	190.91	-0.02	0.00	0.00	0.00	97.68	1.34	55.43	0.08	17.34	N/A	N/A	N/A	N/A
946	9.46	6.09	24.06	6.00	6.11E-006	4.33E-002	17.00	69.54	34.00	30.77	55.48	64.52	0.00	0.00	0.00	0.30	0.00	191.06	-0.02	0.00	0.00	0.00	97.89	1.34	55.63	0.08	17.34	N/A	N/A	N/A	N/A
947	9.47	6.14	23.62	6.00	6.48E-006	4.58E-002	17.00	69.38	35.00	30.79	55.36	64.31	0.00	0.00	0.00	0.30	0.00	190.85	-0.02	0.00	0.00	0.00	98.07	1.33	55.81	0.08	17.32	N/A	N/A	N/A	N/A
948	9.48	6.15	23.52	6.00	6.54E-006	4.63E-002	17.00	69.37	35.00	30.79	55.35	64.28	0.00	0.00	0.00	0.30	0.00	190.83	-0.02	0.00	0.00	0.00	98.18	1.33	55.81	0.08	17.32	N/A	N/A	N/A	N/A
949	9.49	6.14	23.55	6.00	6.47E-006	4.58E-002	17.00	69.39	35.00	30.78	55.37	64.31	0.00	0.00	0.00	0.30	0.00	190.86	-0.02	0.00	0.00	0.00	98.24	1.33	55.72	0.08	17.32	N/A	N/A	N/A	N/A
950	9.50	6.12	23.68	6.00	6.31E-006	4.47E-002	17.00	69.46	35.00	30.76	55.42	64.39	0.00	0.00	0.00	0.30	0.00	190.96	-0.02	0.00	0.00	0.00	98.28	1.33	55.59	0.08	17.32	N/A	N/A	N/A	N/A
951	9.51	6.08	23.77	6.00	6.09E-006	4.31E-002	17.00	69.45	34.00	30.73	55.42	64.39	0.00	0.00	0.00	0.30	0.00	190.95	-0.02	0.00	0.00	0.00	98.26	1.34	55.33	0.08	17.32	N/A	N/A	N/A	N/A
952	9.52	5.98	24.40	6.00	5.44E-006	3.87E-002	17.00	69.67	34.00	30.67	55.59	64.68	0.00	0.00	0.00	0.30	0.00	191.24	-0.01	0.00	0.00	0.00	98.13	1.36	54.85	0.08	17.35	N/A	N/A	N/A	N/A
953	9.53	5.95	24.56	6.00	5.26E-006	3.74E-002	17.00	69.73	34.00	30.65	55.64	64.76	0.00	0.00	0.00	0.30	0.00	191.33	-0.01	0.00	0.00	0.00	98.15	1.36	54.69	0.07	17.35	N/A	N/A	N/A	N/A
954	9.54	5.87	24.97	6.00	4.83E-006	3.44E-002	16.00	69.84	34.00	30.60	55.72	64.91	0.00	0.00	0.00	0.30	0.00	191.48	-0.01	0.00	0.00	0.00	98.07	1.37	54.32	0.07	17.37	N/A	N/A	N/A	N/A
955	9.55	5.90	25.07	6.00	4.90E-006	3.50E-002	17.00	70.02	34.00	30.62	55.87	65.10	0.00	0.00	0.00	0.30	0.00	191.72	-0.01	0.00	0.00	0.00	98.25	1.37	54.48	0.07	17.37	N/A	N/A	N/A	N/A
956	9.56	5.94	24.53	6.00	5.19E-006	3.69E-002	17.00	69.78	34.00	30.63	55.67	64.79	0.00	0.00	0.00	0.30	0.00	191.39	-0.01	0.00	0.00	0.00	98.38	1.36	54.53	0.07	17.35	N/A	N/A	N/A	N/A
957	9.57	5.97	24.72	6.00	5.24E-006	3.74E-002	17.00	70.01	34.00	30.65	55.86	65.05	0.00	0.00	0.00	0.30	0.00	191.72	-0.01	0.00	0.00	0.00	98.57	1.36	54.72	0.07	17.36	N/A	N/A	N/A	N/A
958	9.58	5.99	25.57	6.00	5.07E-006	3.65E-002	17.00	70.69	34.00	30.69	56.40	65.83	0.00	0.00	0.00	0.30	0.00	192.63	-0.01	0.00	0.00	0.00	98.83	1.37	55.03	0.08	17.40	N/A	N/A	N/A	N/A
959	9.59	6.00	25.63	6.00	5.08E-006	3.66E-002	17.00	70.78	34.00	30.70	56.48	65.93	0.00	0.00	0.00	0.30	0.00	192.76	-0.01	0.00	0.00	0.00	98.95	1.37	55.07	0.08	17.41	N/A	N/A	N/A	N/A
960	9.60	6.00	25.54	6.00	5.09E-006	3.67E-002	17.00	70.75	34.00	30.69	56.45	65.88	0.00	0.00	0.00	0.30	0.00	192.72	-0.01	0.00	0.00	0.00	99.03	1.37	55.02	0.08	17.40	N/A	N/A	N/A	N/A
961	9.61	6.00	25.51	6.00	5.09E-006	3.67E-002	17.00	70.76	34.00	30.68	56.46	65.89	0.00	0.00	0.00	0.30	0.00	192.73	-0.01	0.00	0.00	0.00	99.11	1.37	54.98	0.08	17.40	N/A	N/A	N/A	N/A
962	9.62	6.01	25.44	6.00	5.13E-006	3.70E-002	17.00	70.77	34.00	30.68	56.46	65.88	0.00	0.00	0.00	0.30	0.00	192.74	-0.01	0.00	0.00	0.00	99.22	1.36	54.98	0.08	17.40	N/A	N/A	N/A	N/A
963	9.63	6.04	25.29	6.00	5.28E-006	3.81E-002	17.00	70.77	34.00	30.70	56.46	65.87	0.00	0.00	0.00	0.30	0.00	192.74	-0.01	0.00	0.00	0.00	99.37	1.36	55.08	0.08	17.39	N/A	N/A	N/A	N/A
964	9.64	6.01	24.81	6.00	5.28E-006	3.79E-002	17.00	70.39	34.00	30.66	56.16	65.42	0.00	0.00	0.00	0.30	0.00	192.22	-0.01	0.00	0.00	0.00	99.31	1.36	54.75	0.08	17.37	N/A	N/A	N/A	N/A
965	9.65	5.96	24.59	6.00	5.14E-006	3.67E-002	17.00	70.13	34.00	30.61	55.96	65.14	0.00	0.00	0.00	0.30	0.00	191.88	-0.01	0.00	0.00	0.00	99.22	1.36	54.37	0.07	17.36	N/A	N/A	N/A	N/A
966	9.66	5.90	24.37	6.00	4.96E-006	3.53E-002	17.00	69.85	34.00	30.55	55.73	64.82	0.00	0.00	0.00	0.30	0.00	191.50	-0.01	0.00	0.00	0.00	99.11	1.37	53.94	0.07	17.34	N/A	N/A	N/A	N/A
967	9.67	5.65	24.59	5.00	4.02E-006	2.85E-002	16.00	69.38	33.00	30.39	55.36	64.36	0.00	0.00	0.00	0.30	0.00	190.85	-0.01	0.00	0.00	0.00	98.57	1.41	52.67	0.06	17.34	N/A	N/A	N/A	N/A
968	9.68	5.52	25.00	5.00	3.53E-006	2.50E-002	16.00	69.35	32.00	30.33	55.33	64.37	0.00	0.00	0.00	0.30	0.00	190.80	-0.01	0.00	0.00	0.00	98.42	1.44	52.19	0.06	17.35	N/A	N/A	N/A	N/A
969	9.69	5.35	25.29	5.00	3.01E-006	2.12E-002	16.00	69.11	32.00	30.25	55.14	64.16	0.00	0.00	0.00	0.30	0.00	190.48	-0.01	0.00	0.00	0.00	98.20	1.47	51.58	0.06	17.35	N/A	N/A	N/A	N/A
970	9.70	5.07	25.00	5.00	2.39E-006	1.66E-002	15.00	68.15	31.00	30.10	54.38	63.14	0.00	0.00	0.00	0.30	0.00	189.15	0.00	0.00	0.00	0.00	97.74	1.54	50.51	0.05	17.31	N/A	N/A	N/A	N/A
971	9.71	4.95	24.94	5.00	2.15E-006	1.48E-002	15.00	67.79	30.00	30.05	54.09	62.76	0.00	0.00	0.00	0.30	0.00	188.65	0.00	0.00	0.00	0.00	97.64	1.57	50.15	0.05	17.30	N/A	N/A	N/A	N/A
972	9.72	4.82	24.75	5.00	1.92E-006	1.32E-002	15.00	67.30	30.00	30.00	53.70	62.24	0.00	0.00	0.00	0.30	0.00	187.97	0.00	0.00	0.00	0.00	97.54	1.61	49.76	0.05	17.28	N/A	N/A	N/A	N/A
973	9.73	4.58	24.91	5.00	1.50E-006	9.45E-003	14.00	61.71	29.00	30.00	53.23	61.65	0.00	0.00	0.00	0.30	0.00	187.14	0.00	0.00	0.00	0.00	97.64	1.70	49.51	0.05	17.27	N/A	N/A	N/A	N/A
974	9.74	4.45	24.66	5.00	1.33E-006	8.13E-003	14.00	59.89	28.00	30.00	52.79	61.07	0.00	0.00	0.00	0.30	0.00	186.37	0.00	0.00	0.00	0.00	97.74	1.75	49.27	0.05	17.25	N/A	N/A	N/A	N/A
975	9.75	4.21	24.06	5.00	1.07E-006	6.15E-003	14.00	56.53	27.00	30.00	51.86	59.82	0.00	0.00	0.00	0.30	0.00	184.72	0.00	0.00	0.00	0.00	97.84	1.85	48.90	0.05	17.20	N/A	N/A	N/A	N/A
976	9.76	4.11	23.99	5.00	9.57E-007	5.38E-003	13.00	55.12	27.00	30.00	51.58	59.45	0.00	0.00	0.00	0.30	0.00	184.22	0.00	0.00	0.00	0.00	97.93	1.91	48.93	0.05	17.18	N/A	N/A	N/A	N/A
977	9.77	3.93	23.14	5.00	8.19E-007	4.39E-003	13.00	52.60	26.00	30.00	50.64	58.16	0.00	0.00	0.00	0.30	0.00	182.53	0.00	0.00	0.00	0.00	98.03	1.99	48.54	0.05	17.13	N/A	N/A	N/A	N/A
978	9.78	3.87	22.89	5.00	7.72E-007	4.08E-003	13.00	51.76	26.00	30.00	50.35	57.77	0.00	0.00	0.00	0.30	0.00	182.01	0.00	0.00	0.00	0.00	98.13	2.03	48.45	0.05	17.11	N/A	N/A	N/A	N/A
979	9.79	3.82	22.29	5.00	7.54E-007	3.92E-003	13.00	51.06	26.00	30.00	49.89	57.13	0.00	0.00	0.00	0.30	0.00	181.18	0.01	0.00	0.00	0.00	98.23	2.04	48.06	0.05	17.07	N/A	N/A	N/A	N/A
980	9.80	3.74	21.94	5.00	6.97E-007	3.55E-003	13.00	49.94	26.00	30.00	49.49	56.57	0.00	0.00	0.00	0.30	0.00	180.44	0.01	0.00	0.00	0.00	98.33	2.09	47.94	0.05	17.05	N/A	N/A	N/A	N/A
981	9.81	3.72	21.79	5.00	6.85E-007	3.47E-003	13.00	49.65	26.00	30.00	49.36	56.40	0.00	0.00	0.00	0.30	0.00	180.22	0.01	0.00	0.00	0.00	98.43	2.10	47.86	0.05	17.04	N/A	N/A	N/A	N/A
982	9.82	3.70	21.47	5.00	6.80E-007	3.42E-003	12.00	49.37	25.00	30.00	49.14	56.09	0.00	0.00	0.00	0.30	0.00	179.82	0.01	0.00	0.00	0.00	98.53	2.11	47.63	0.04	17.02	N/A	N/A	N/A	N/A
983	9.83	3.71	21.31	5.00	6.94E-007	3.50E-003	12.00	49.51	25.00	30.00	49.10	56.01	0.00	0.00	0.00	0.30	0.00	179.74	0.01	0.00	0.00	0.00	98.62	2.09	47.46	0.04	17.01	N/A	N/A	N/A	N/A
984	9.84	3.74	21.28	5.00	7.20E-007	3.66E-003	13.00	49.93	26.00	30.00	49.19	56.12	0.00	0.00	0.00	0.30	0.00	179.90	0.01	0.00	0.00	0.00	98.72	2.07	47.36	0.04	17.01	N/A	N/A	N/A	N/A
985	9.85	3.80	21.31	5.00	7.71E-007	3.99E-003	13.00	50.77	26.00	30.00	49.40	56.39	0.00	0.00	0.00	0.30	0.00	180.28	0.01	0.00	0.00	0.00	98.82	2.03	47.25	0.04	17.02	N/A	N/A	N/A	N/A
986	9.86	3.94	21.22	5.00	9.13E-007	4.91E-003	13.00	52.72	26.00	30.00	49.76	56.82	0.00	0.00	0.00	0.30	0.00	180.94	0.01	0.00	0.00	0.00	98.92	1.93	46.95	0.04	17.03	N/A	N/A	N/A	N/A
987	9.87	4.03	21.12	5.00	1.02E-006	5.60E-003	13.00	53.98	27.00	30.00	49.96	57.07	0.00	0.00	0.00	0.30	0.00	181.31	0.01	0.00	0.00	0.00	99.02	1.88	46.77	0.04	17.03	N/A	N/A	N/A	N/A
988	9.88	4.14	21.03	5.00	1.15E-006	6.53E-003	13.00	55.52	27.00	30.00	50.23	57.39	0.00	0.00	0.00	0.30	0.00	181.79	0.01	0.00	0.00	0.00	99.12	1.82	46.64	0.04	17.04	N/A	N/A	N/A	N/A
989	9.89	4.14	21.03	5.00	1.15E-006	6.51E-003	13.00	55.52	27.00	30.00	50.25	57.41	0.00	0.00	0.00	0.30	0.00	181.83	0.01	0.00	0.00	0.00	99.21	1.82	46.63	0.04	17.04	N/A	N/A	N/A	N/A
990	9.90	4.14	21.03	5.00	1.15E-006	6.50E-003	13.00	55.52	27.00	30.00	50.27	57.44	0.00	0.00	0.00	0.30	0.00	181.87	0.01	0.00	0.00	0.00	99.31	1.82	46.62	0.04	17.04	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
991	9.91	4.81	16.02	5.00	3.19E-006	1.99E-002	14.00	61.21	30.00	30.00	48.84	54.97	0.00	0.00	0.00	0.30	0.00	179.26	0.01	0.00	0.00	0.00	99.41	1.46	45.01	0.04	16.78	N/A	N/A	N/A	N/A
992	9.92	5.03	16.65	5.00	3.71E-006	2.36E-002	14.00	62.40	30.00	30.00	49.79	56.24	0.00	0.00	0.00	0.30	0.00	180.99	0.01	0.00	0.00	0.00	99.51	1.42	46.22	0.04	16.84	N/A	N/A	N/A	N/A
993	9.93	5.07	16.99	5.00	3.74E-006	2.40E-002	15.00	62.81	31.00	30.00	50.12	56.70	0.00	0.00	0.00	0.30	0.00	181.59	0.01	0.00	0.00	0.00	99.60	1.42	46.51	0.04	16.87	N/A	N/A	N/A	N/A
994	9.94	5.08	17.15	5.00	3.72E-006	2.39E-002	15.00	63.00	31.00	30.00	50.26	56.91	0.00	0.00	0.00	0.30	0.00	181.85	0.01	0.00	0.00	0.00	99.70	1.42	46.60	0.04	16.88	N/A	N/A	N/A	N/A
995	9.95	5.06	17.63	5.00	3.53E-006	2.28E-002	15.00	63.35	30.00	30.00	50.54	57.33	0.00	0.00	0.00	0.30	0.00	182.36	0.01	0.00	0.00	0.00	99.80	1.44	46.67	0.04	16.91	N/A	N/A	N/A	N/A
996	9.96	5.05	17.88	5.00	3.43E-006	2.22E-002	15.00	63.55	30.00	30.00	50.70	57.56	0.00	0.00	0.00	0.30	0.00	182.64	0.01	0.00	0.00	0.00	99.90	1.44	46.71	0.04	16.93	N/A	N/A	N/A	N/A
997	9.97	5.06	18.13	5.00	3.39E-006	2.21E-002	15.00	63.80	30.00	30.00	50.90	57.84	0.00	0.00	0.00	0.30	0.00	183.01	0.01	0.00	0.00	0.00	99.99	1.44	46.83	0.04	16.94	N/A	N/A	N/A	N/A
998	9.98	5.04	18.92	5.00	3.15E-006	2.07E-002	15.00	64.39	30.00	30.00	51.37	58.54	0.00	0.00	0.00	0.30	0.00	183.85	0.01	0.00	0.00	0.00	100.09	1.46	47.06	0.04	16.99	N/A	N/A	N/A	N/A
999	9.99	5.02	20.08	5.00	2.86E-006	1.90E-002	15.00	65.25	30.00	30.00	52.06	59.56	0.00	0.00	0.00	0.30	0.00	185.08	0.01	0.00	0.00	0.00	100.19	1.49	47.47	0.04	17.06	N/A	N/A	N/A	N/A
1000	10.00	4.99	20.59	5.00	2.69E-006	1.80E-002	15.00	65.58	30.00	30.00	52.32	59.95	0.00	0.00	0.00	0.30	0.00	185.54	0.01	0.00	0.00	0.00	100.29	1.50	47.58	0.04	17.08	N/A	N/A	N/A	N/A

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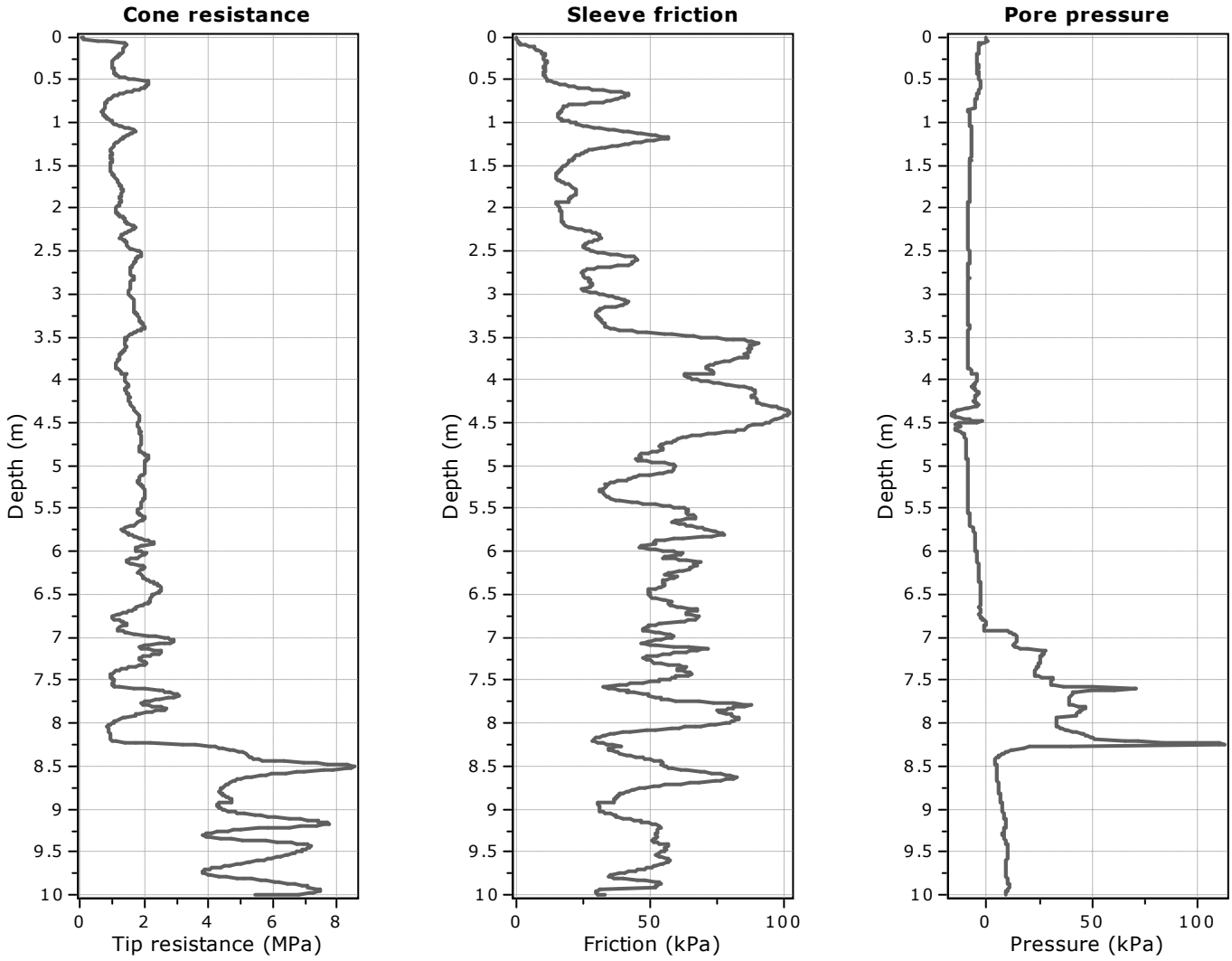
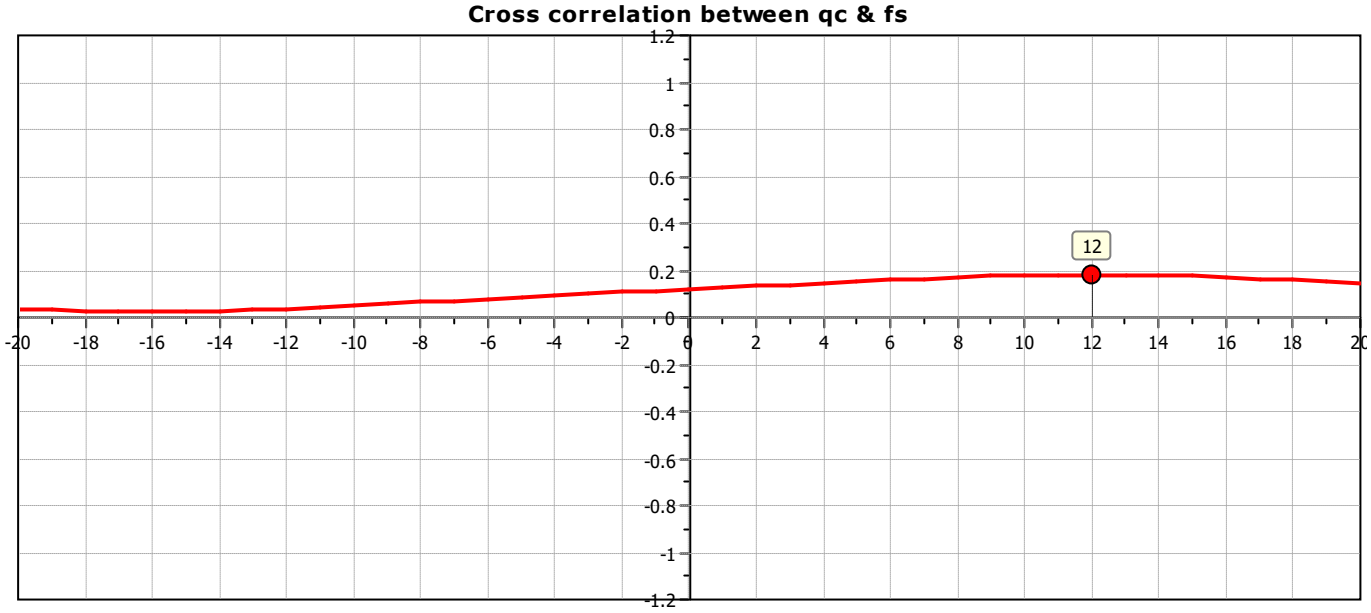
CPT: CPTU-2
Total depth: 10.00 m, Date: 27/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.6682233° lon 10.6365111°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti

Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**



The plot below presents the cross correlation coeficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two sucessive CPT measurements).



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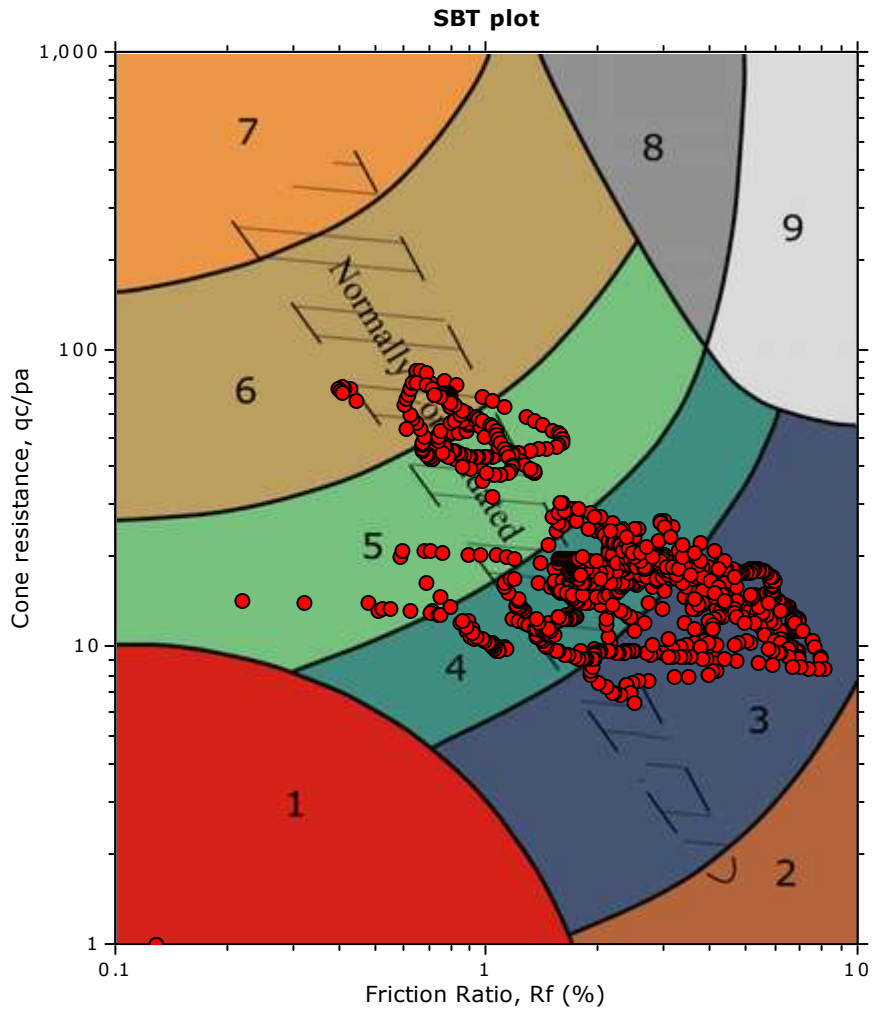
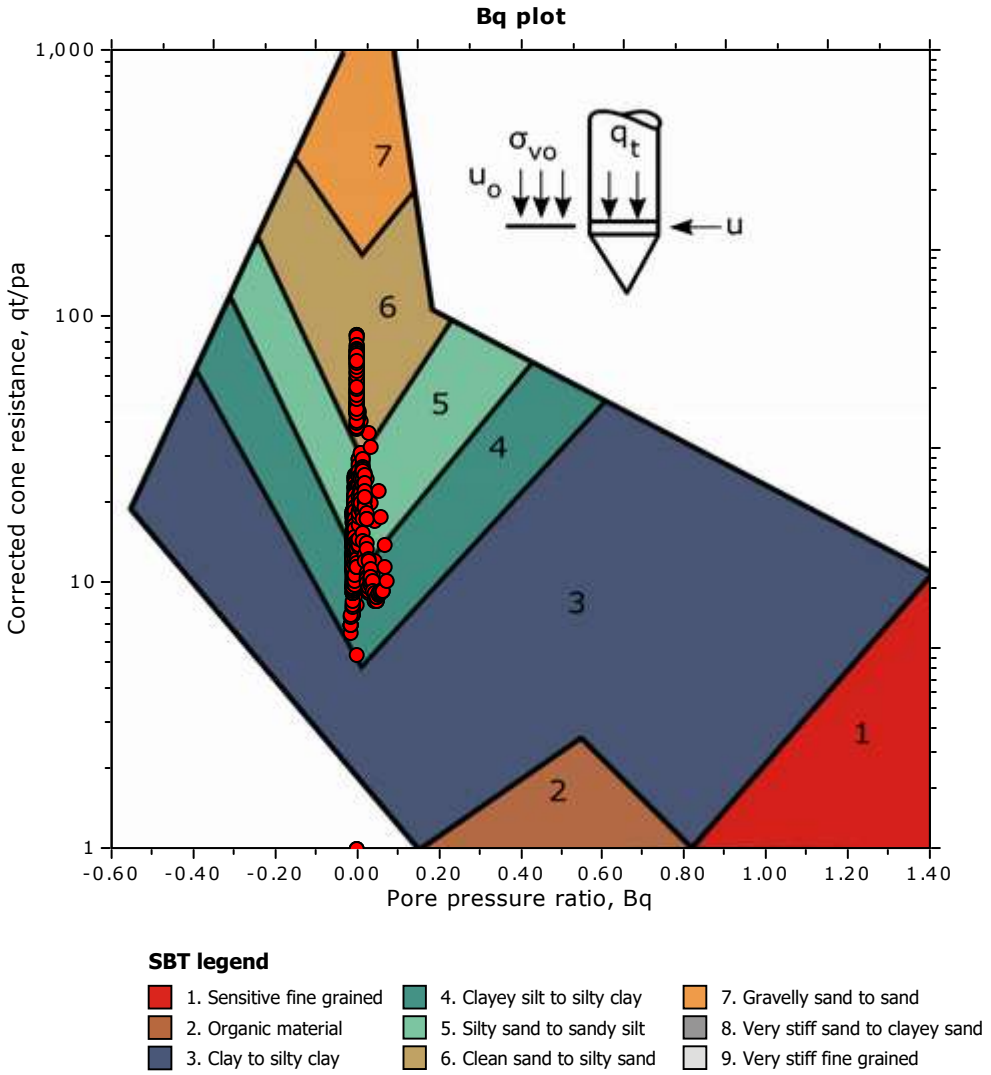
SBT - Bq plots





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Project: **CPTU - Argine Arno**
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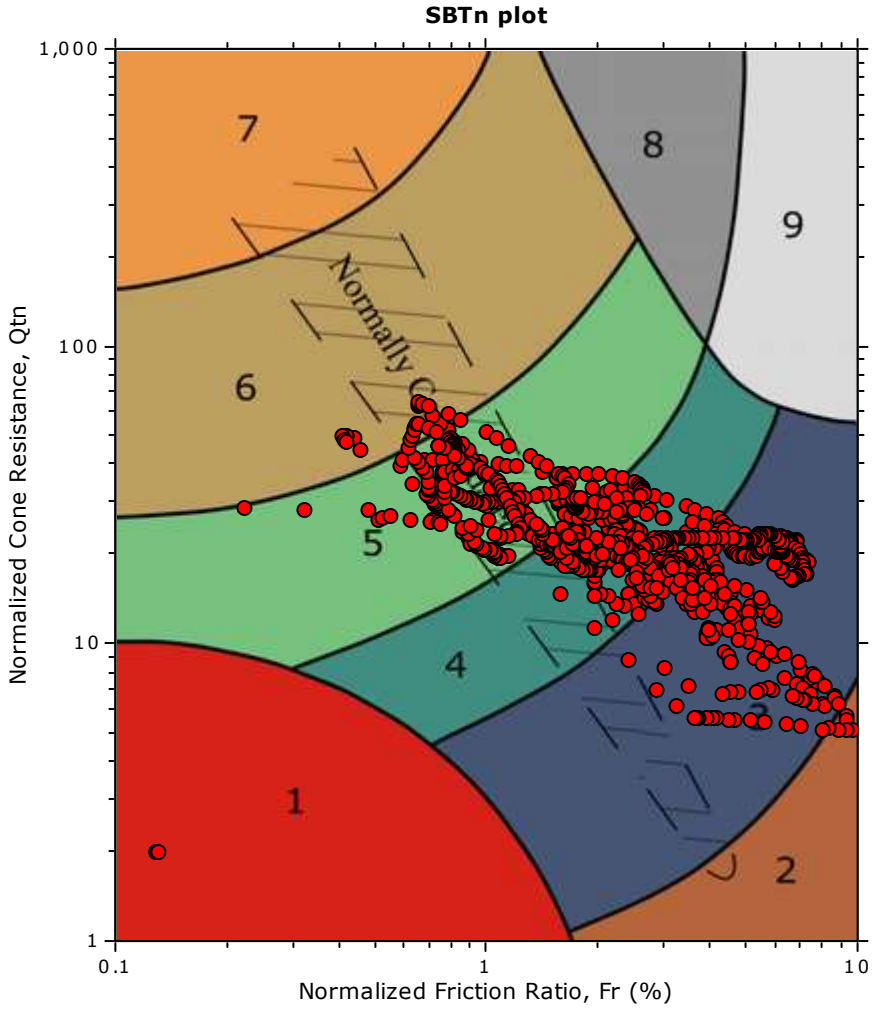
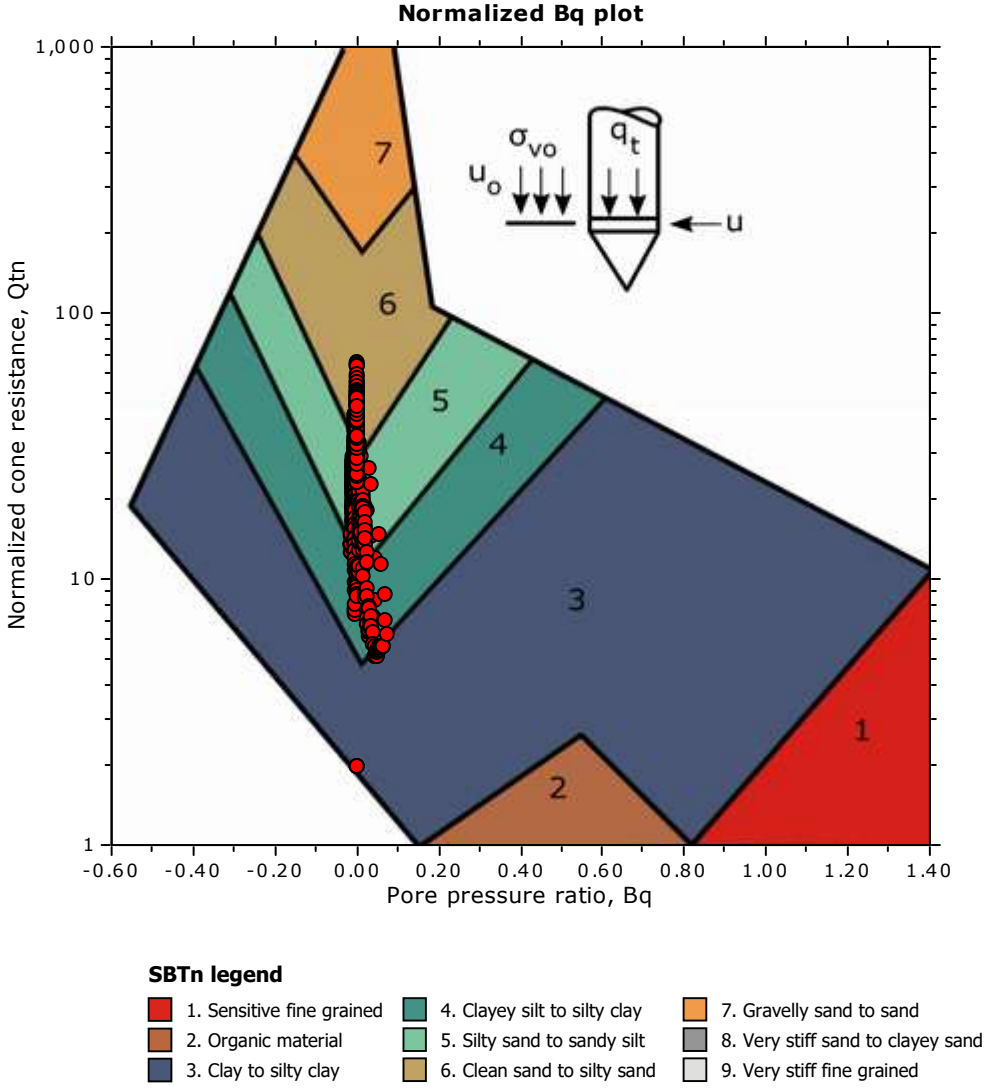
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti

SBT - Bq plots (normalized)





SBTn legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

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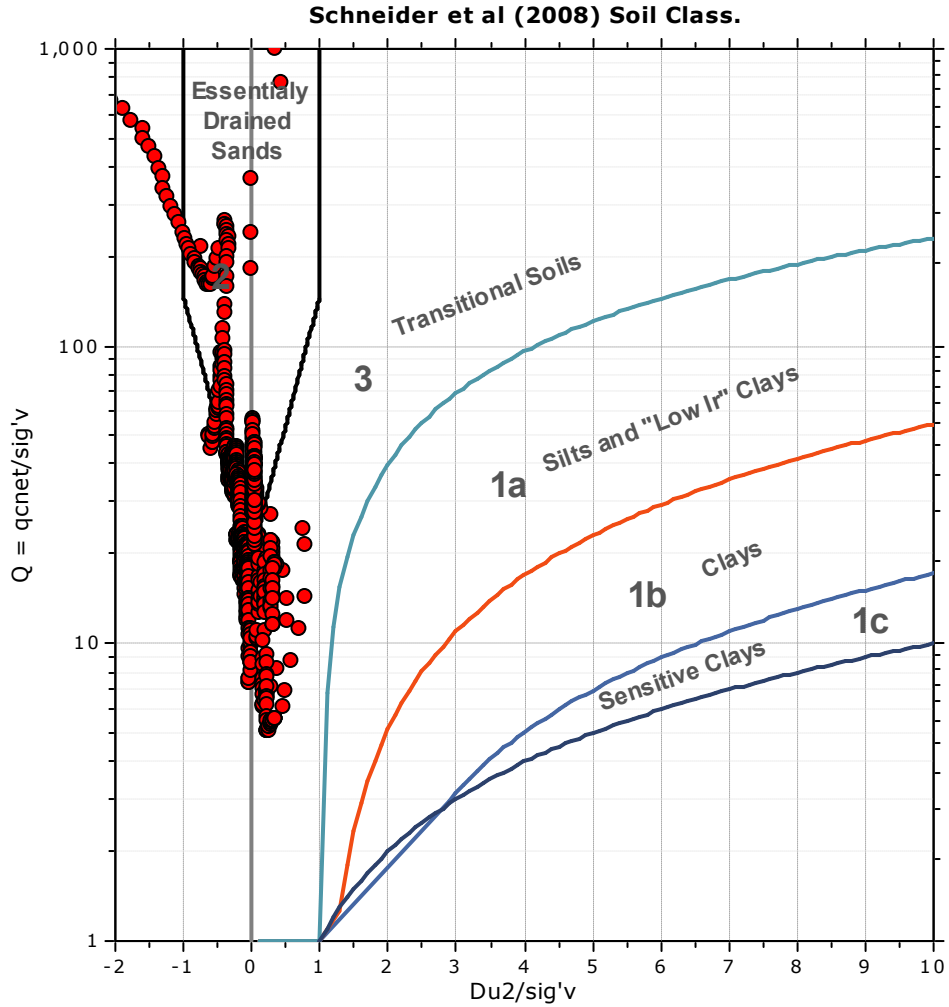
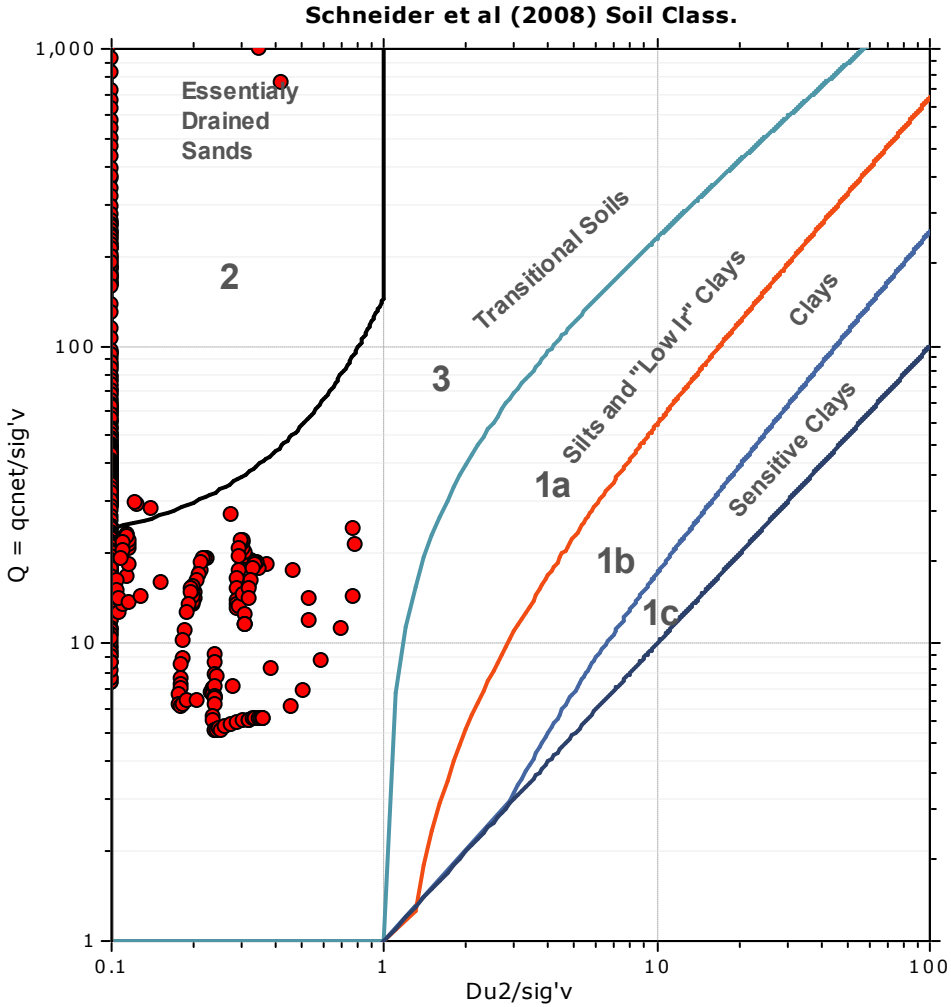
Bq plots (Schneider)





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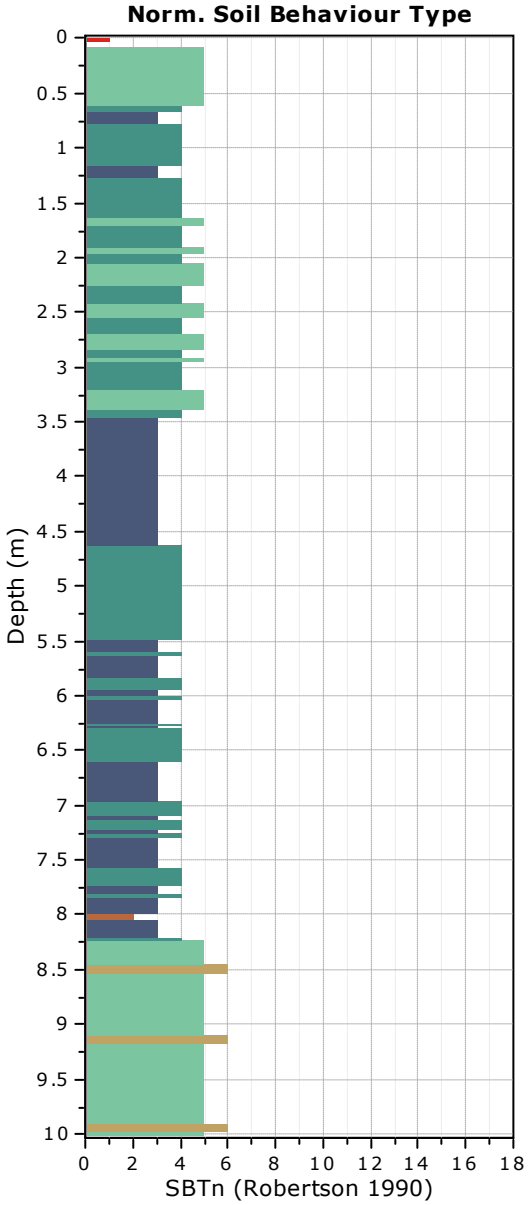

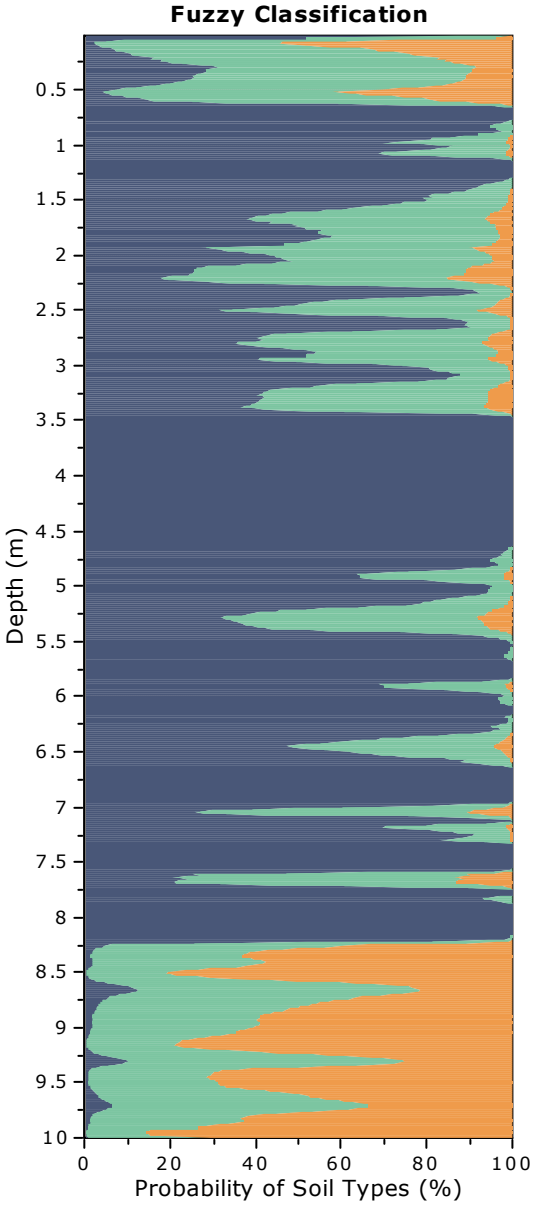

Fuzzy classifiaction legend
- Highly probable clayey soil
- Highly probable mixture soil
- Highly probable sandy soil

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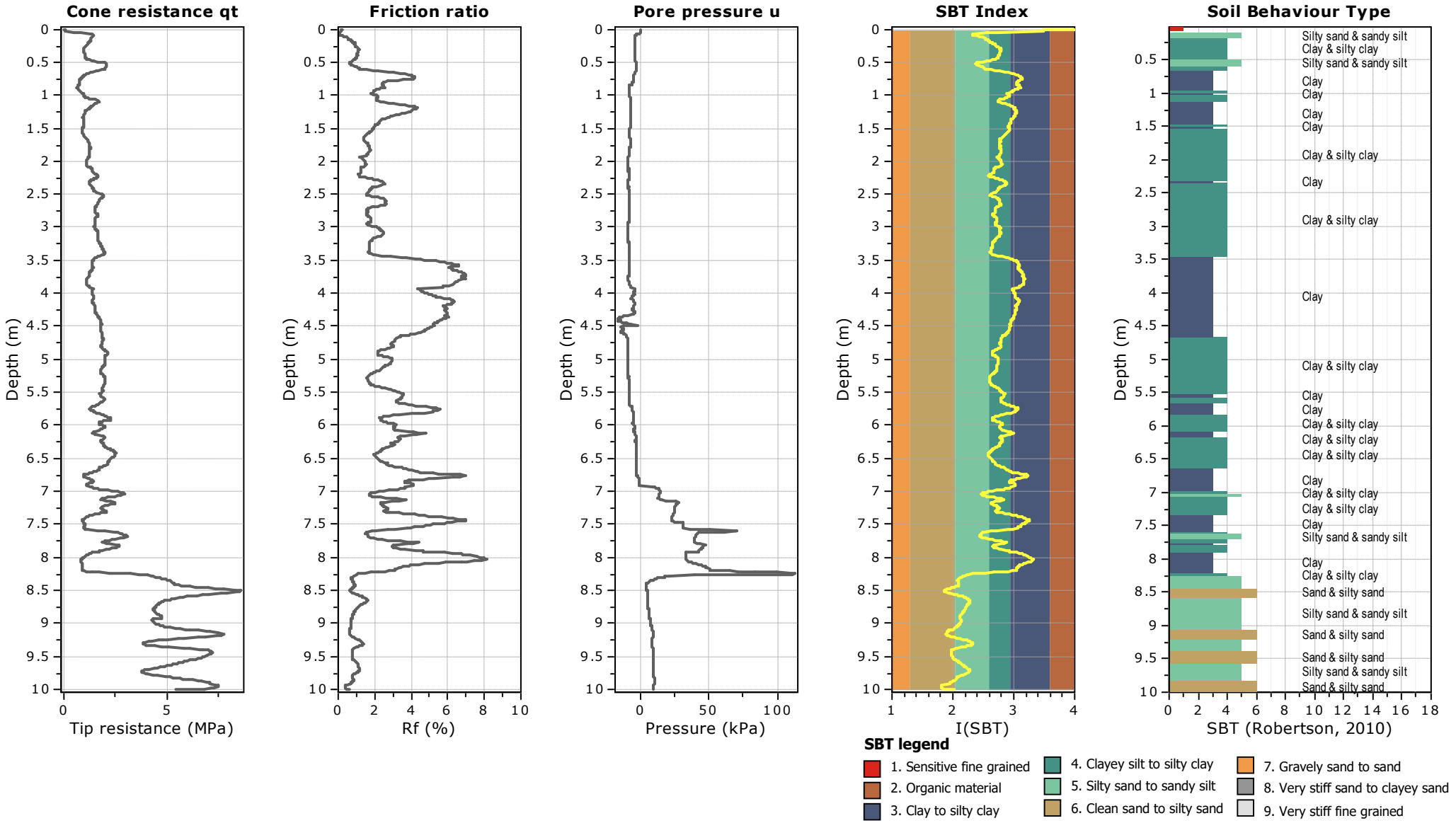

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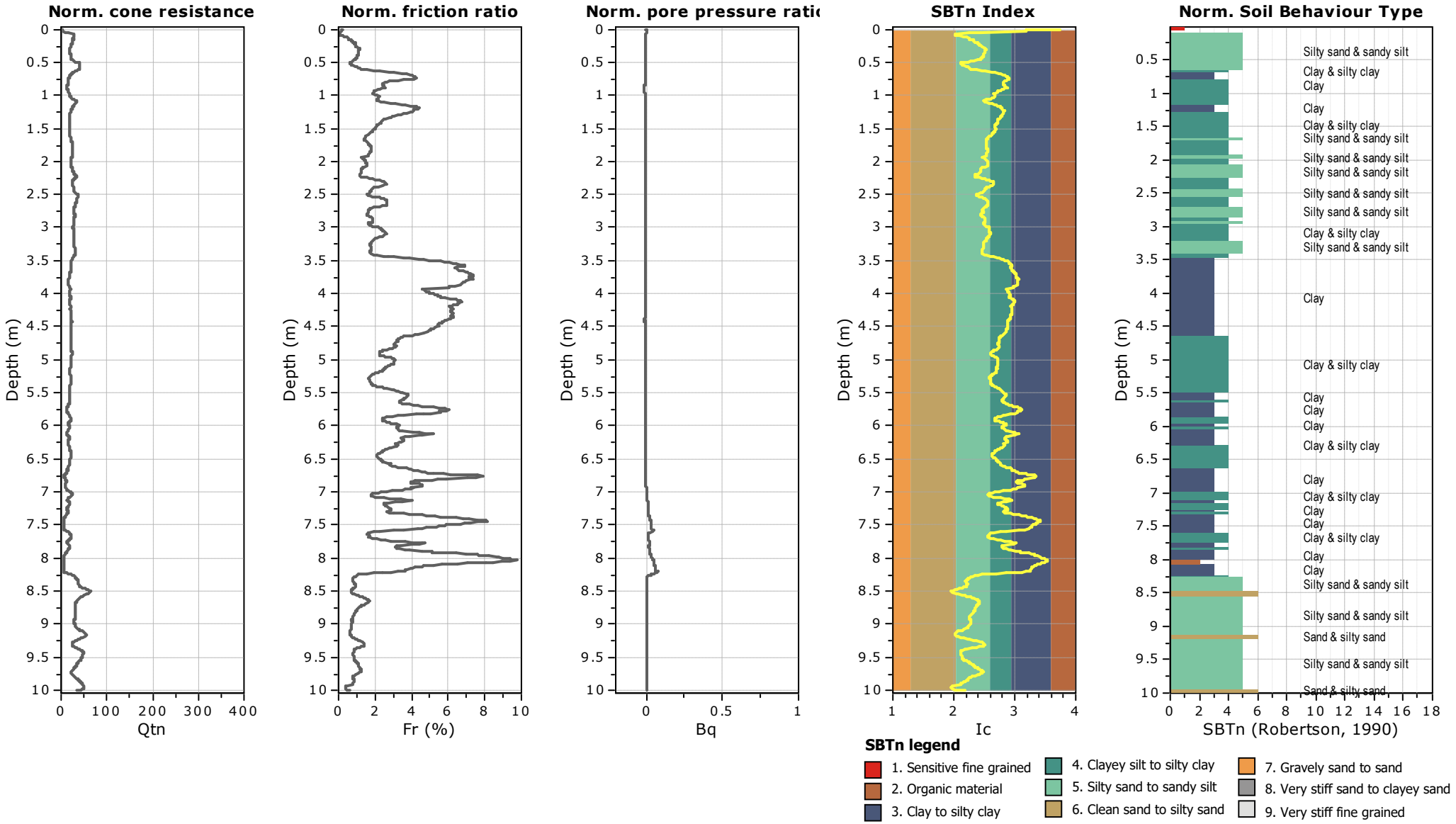

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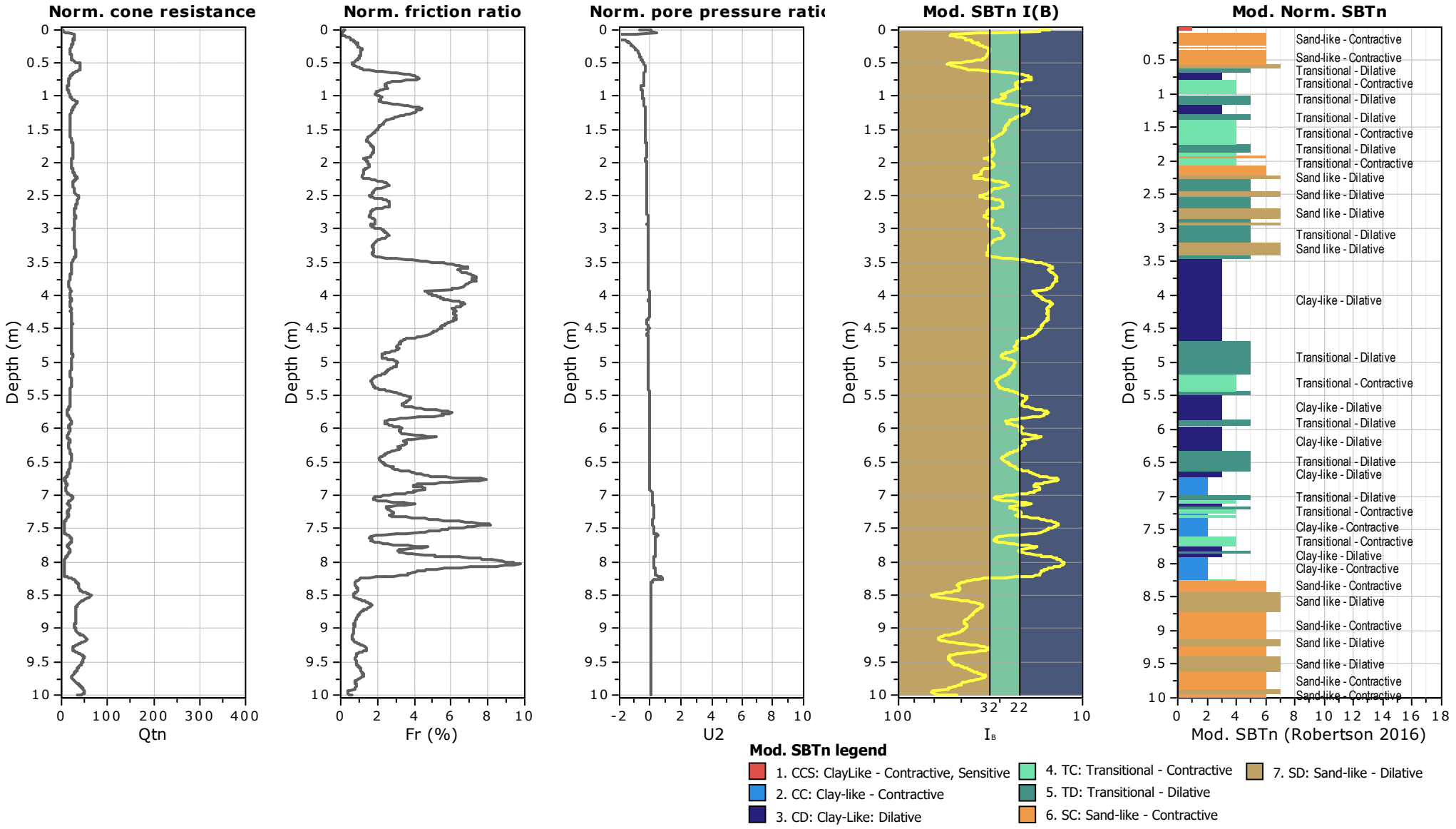

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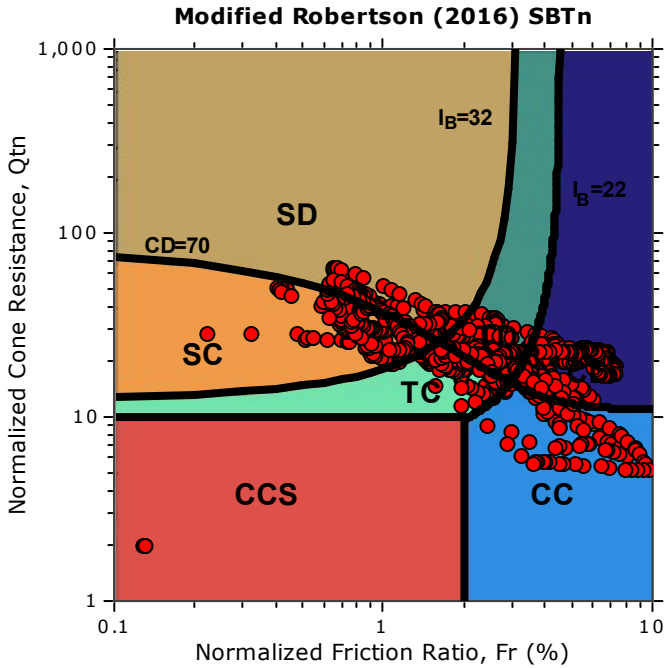
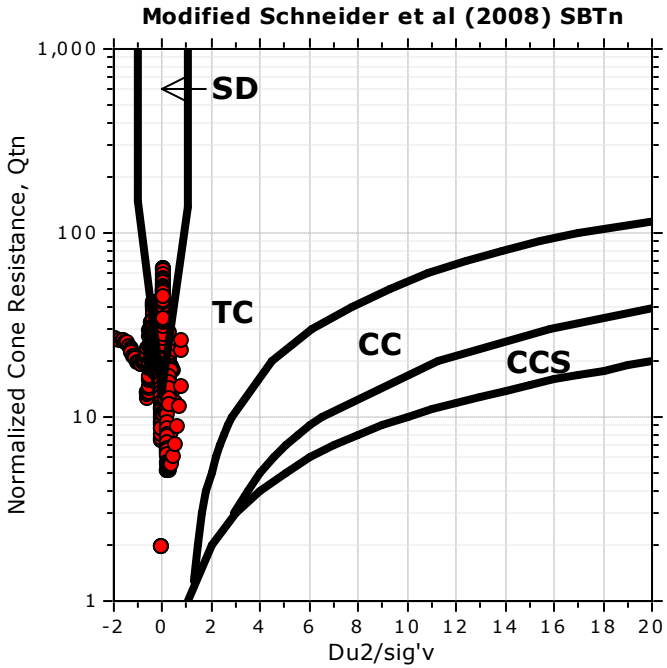
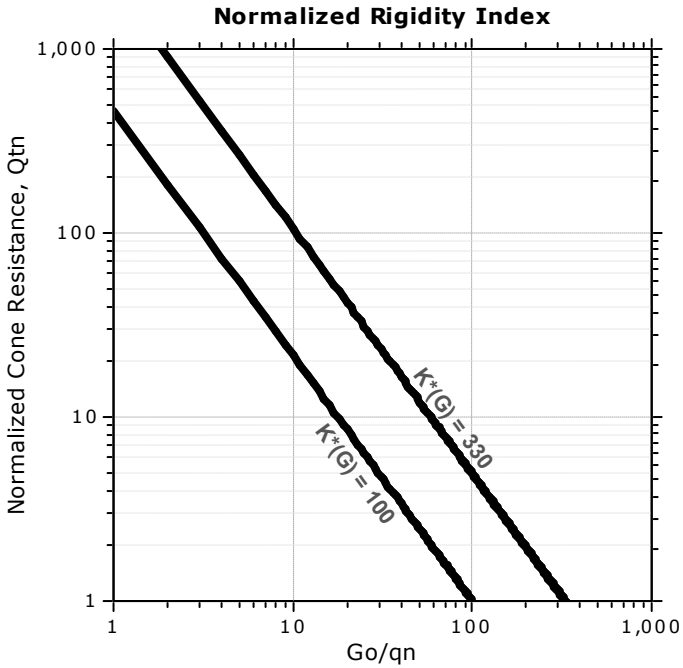
Updated SBTn plots







CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

K(G) > 330: Soils with significant microstructure (e.g. age/cementation)

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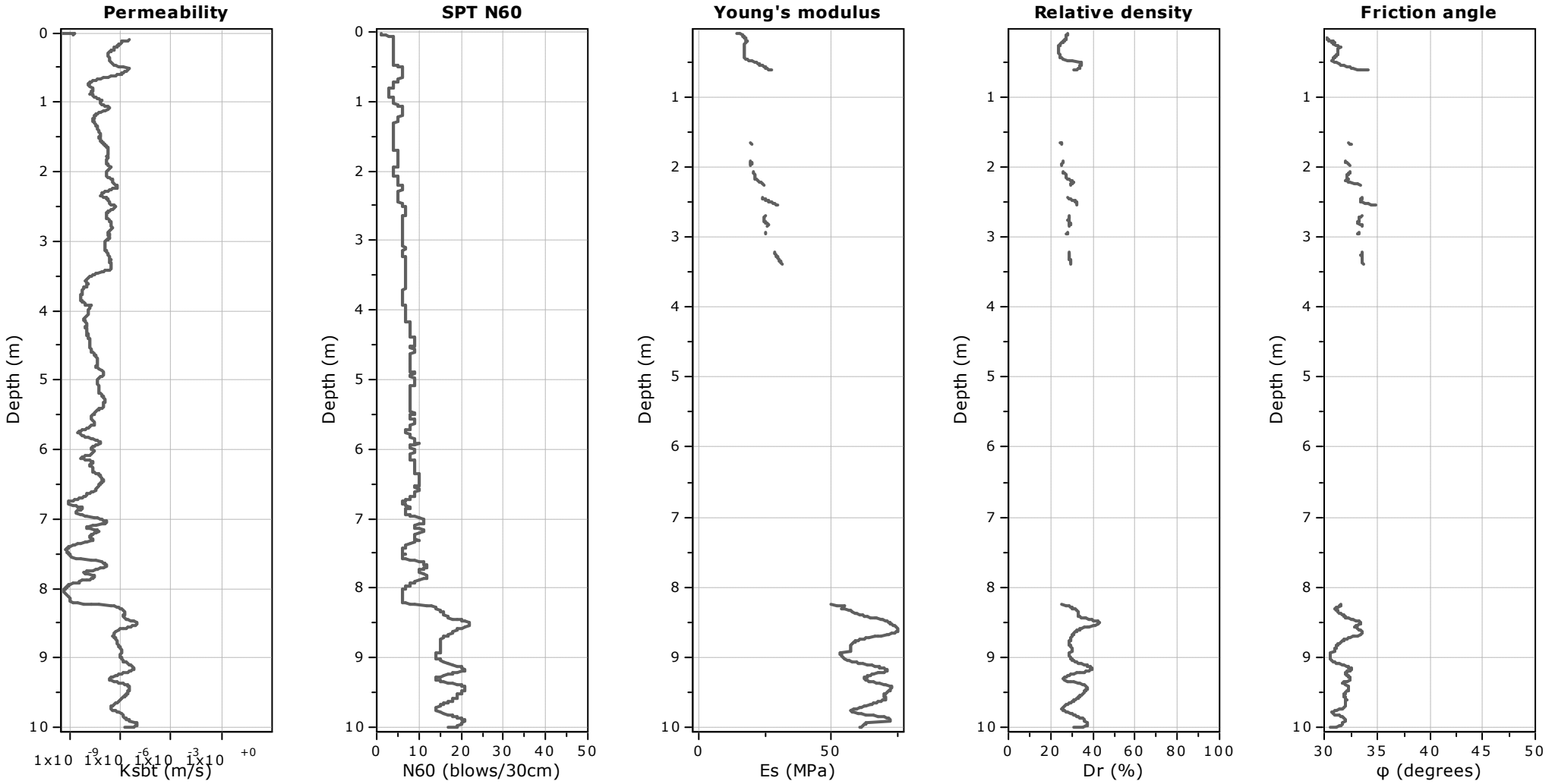

Calculation parameters

Permeability: Based on SBT_n
SPT N_{60}: Based on I_c and q_t
Young's modulus: Based on variable alpha using I_c (Robertson, 2009)
Relative density constant, C_{Dr}: 350.0
Phi: Based on Kulhawy & Mayne (1990)

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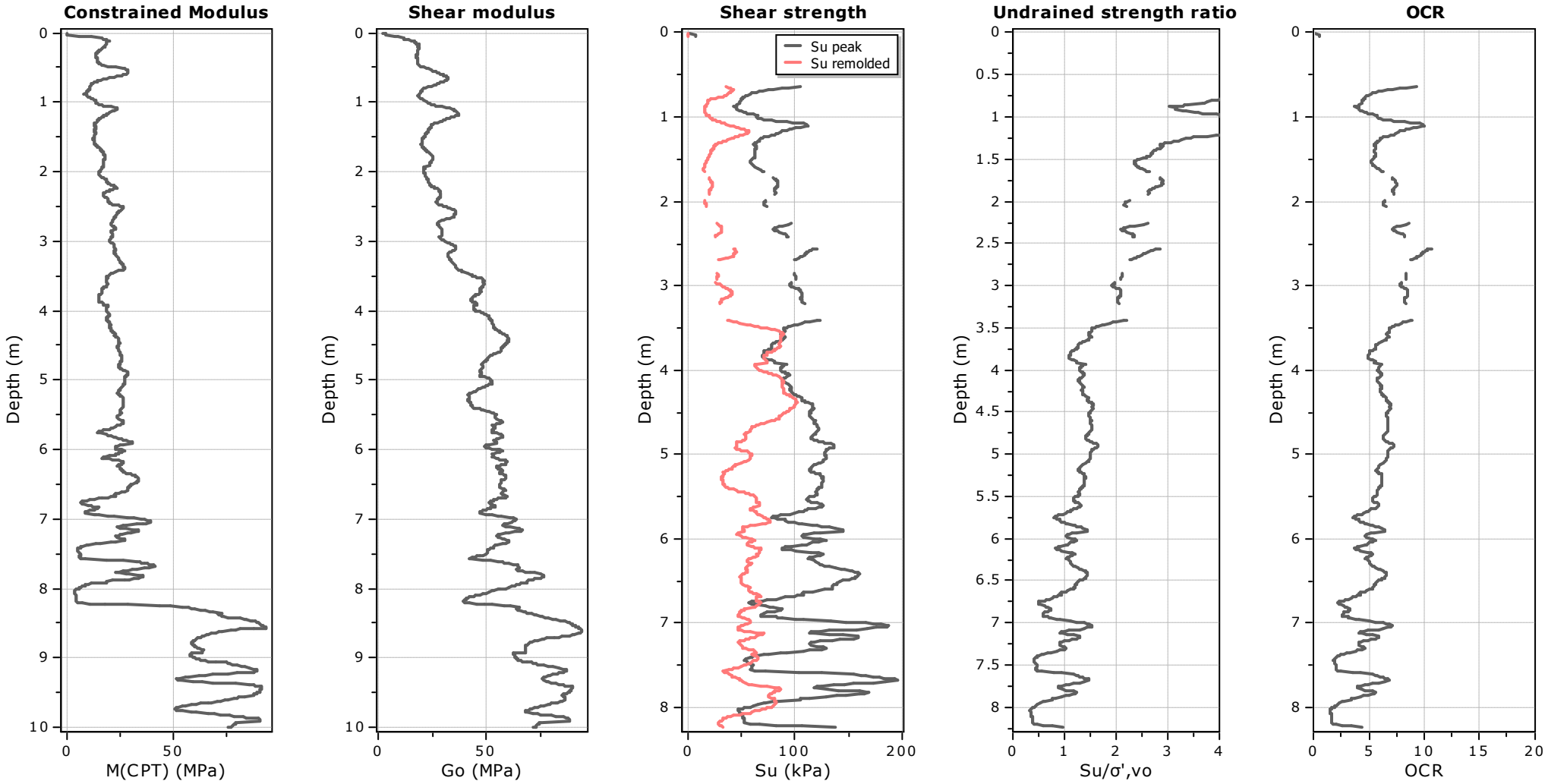
Location: **Pontedera (PI)**

CPT: CPTU-2
Total depth: 10.00 m, Date: 27/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.6682233° lon 10.6365111°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti



Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_{tn} (Robertson, 2009)
Go: Based on variable *alpha* using I_c (Robertson, 2009)
Undrained shear strength cone factor for clays, N_{kt}: 15
OCR factor for clays, N_{kt}: 0.30
Flat Dilatometer Test data

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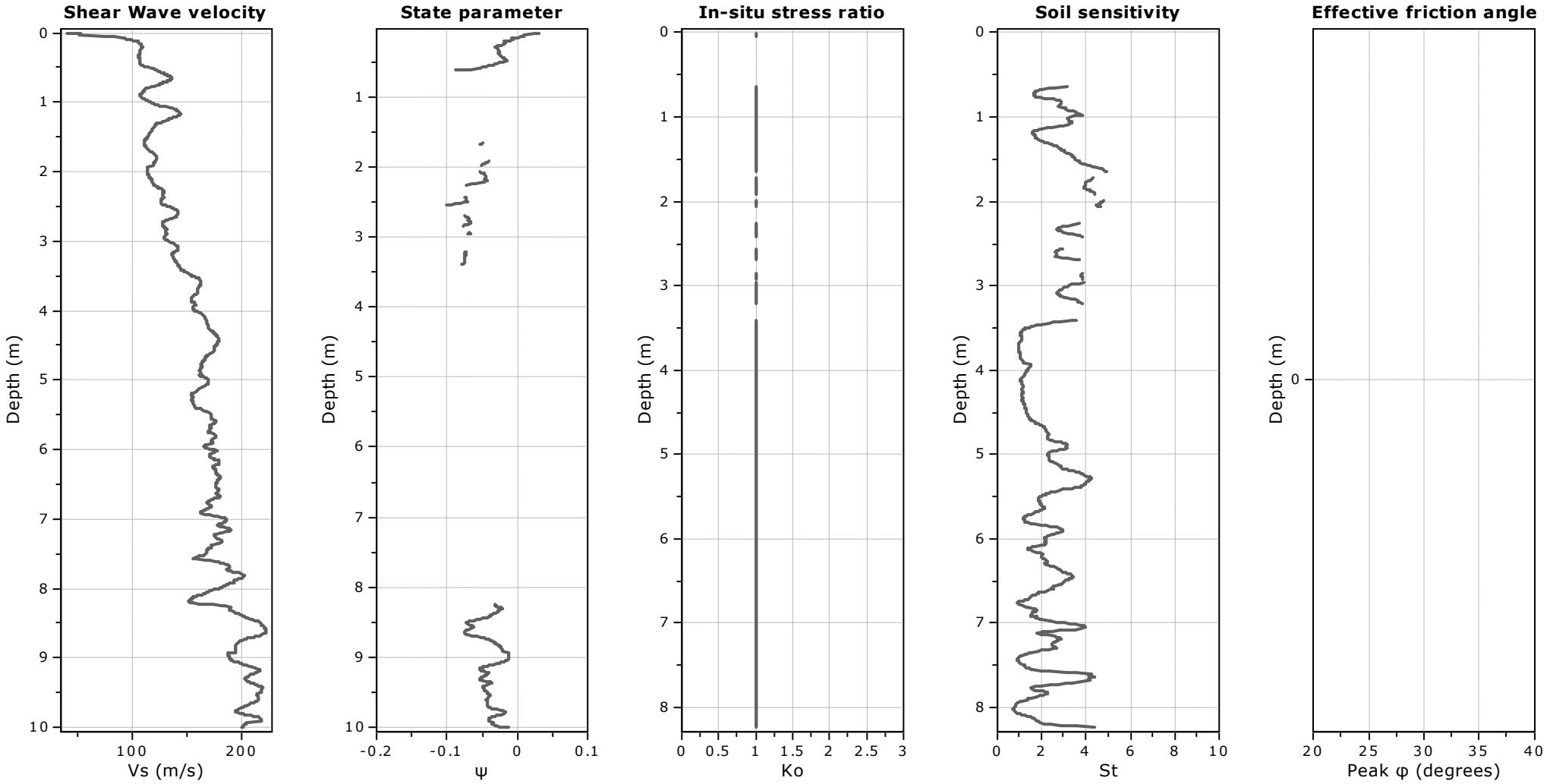
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-2
Total depth: 10.00 m, Date: 27/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.6682233° lon 10.6365111°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti



Calculation parameters

Soil Sensitivity factor, N_S: 7.00

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Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-2
Total depth: 10.00 m, Date: 27/04/2022
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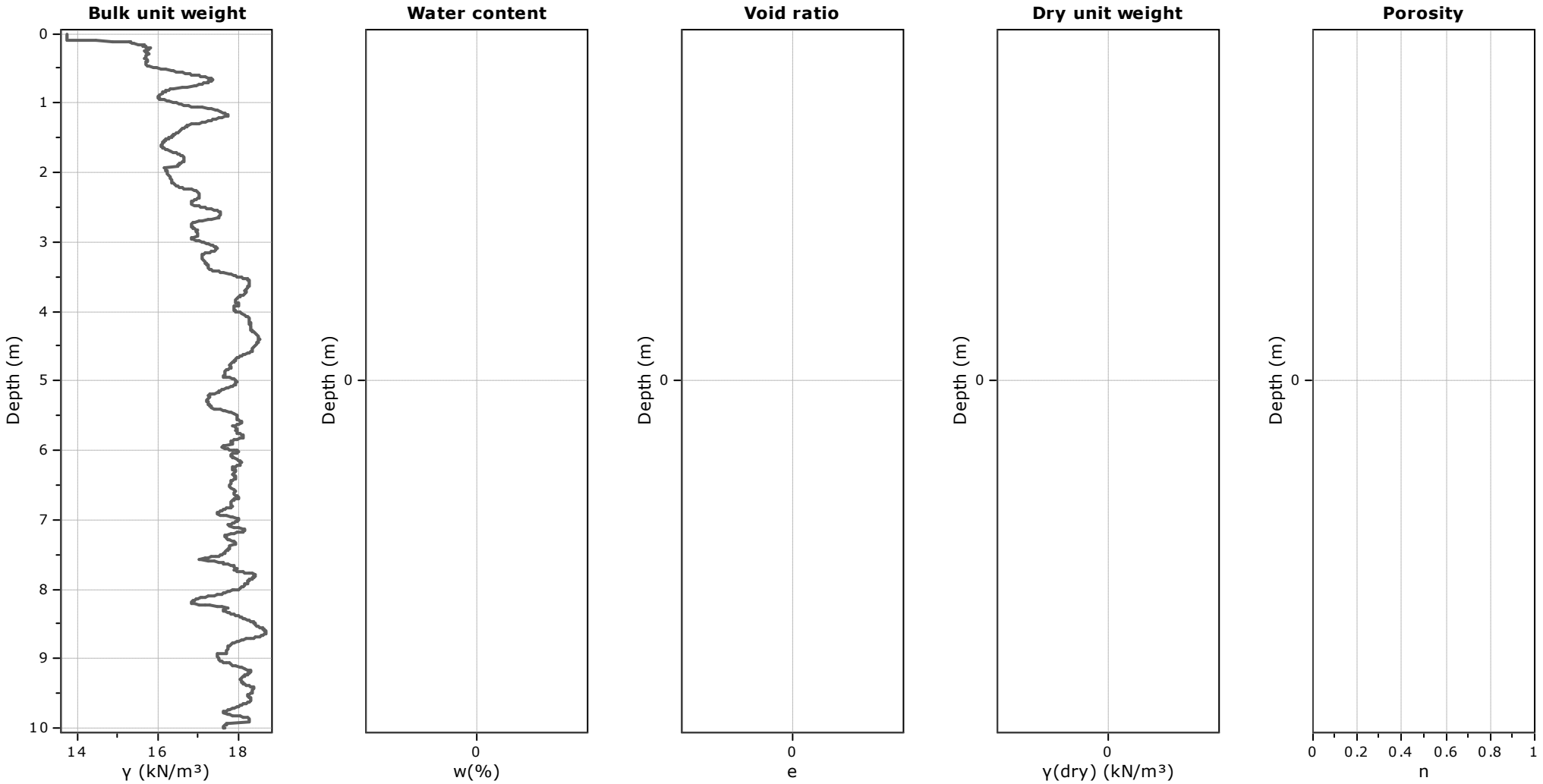

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Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-2
Total depth: 10.00 m, Date: 27/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.6682233° lon 10.6365111°
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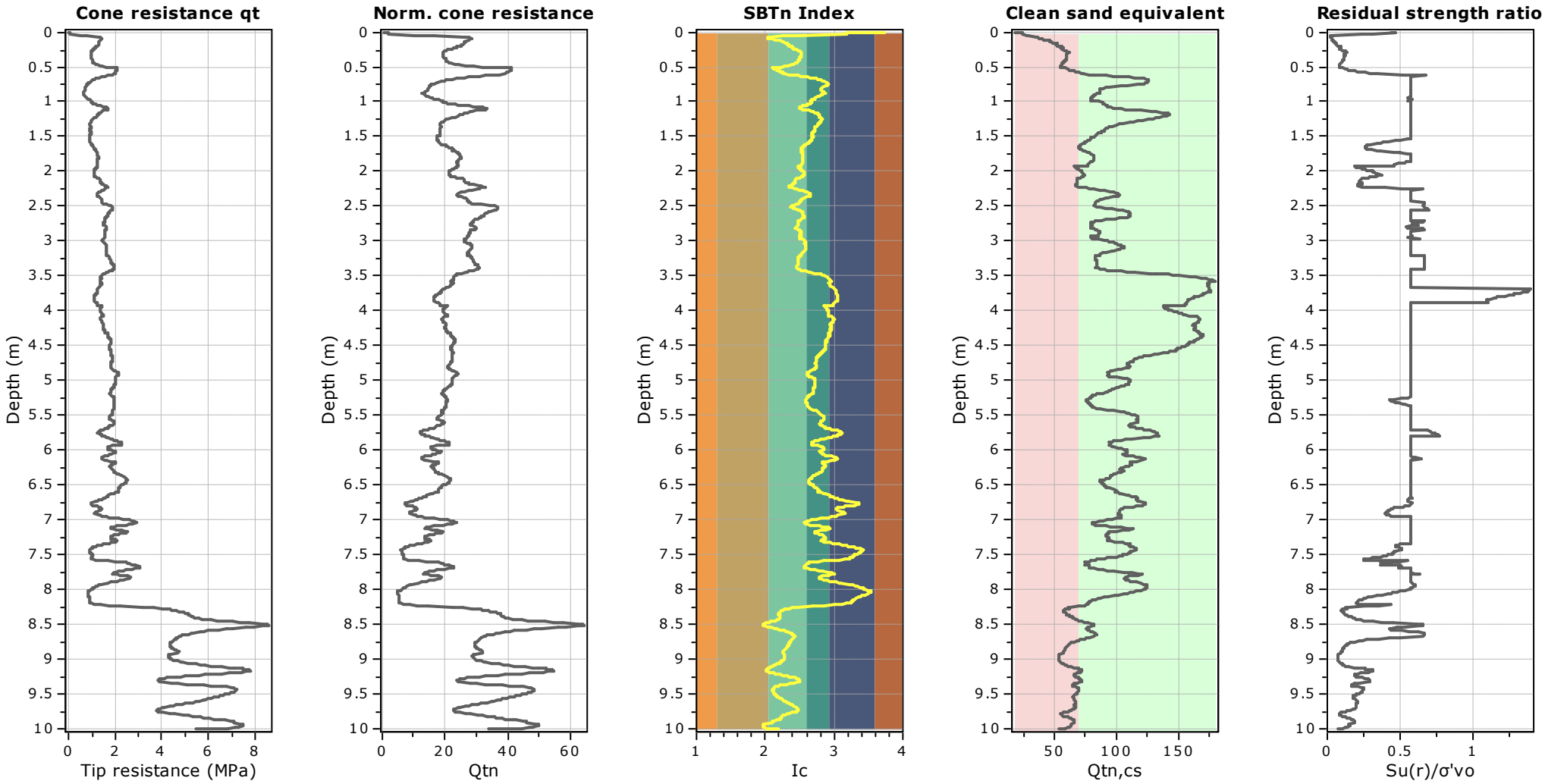

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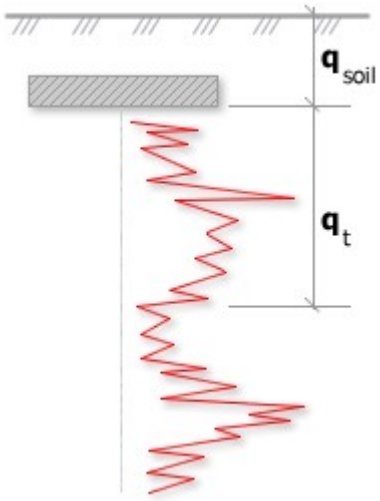
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

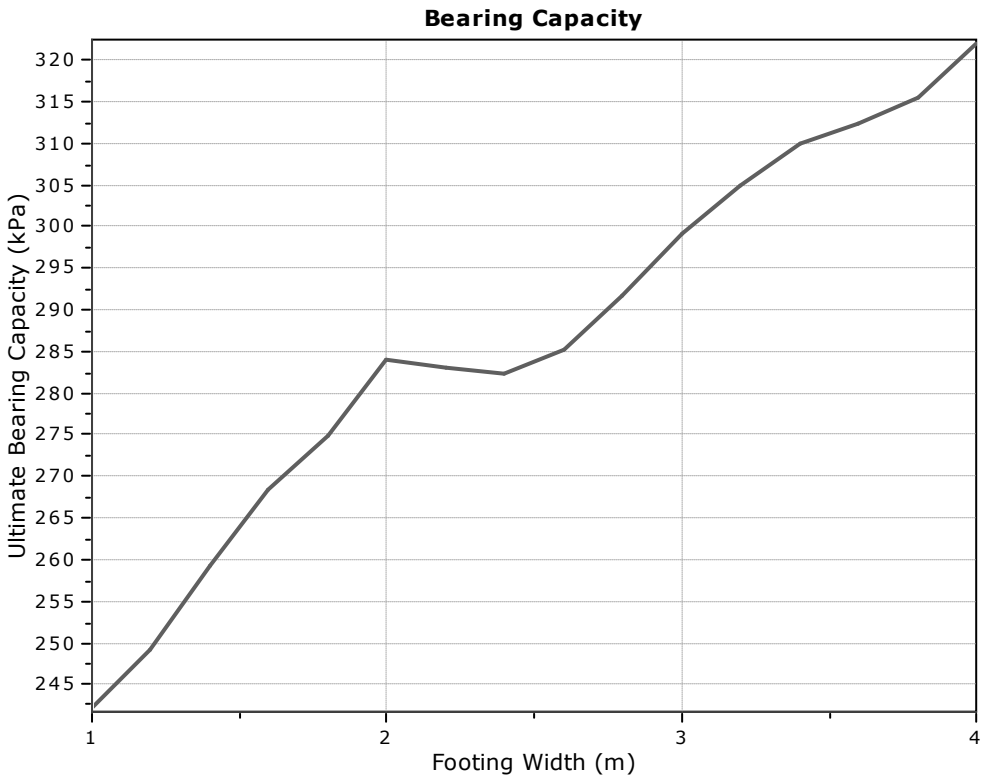
CPT: CPTU-2
Total depth: 10.00 m, Date: 27/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.6682233° lon 10.6365111°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti



Bearing Capacity calculation is perfromed based on the formula:

$$Q_{ult} = R_k \times q_t + q_{soil}$$

where:
R_k: Bearing capacity factor
q_t: Average corrected cone resistance over calculation depth
q_{soil}: Pressure applied by soil above footing



:: Tabular results ::

No	B (m)	Start Depth (m)	End Depth (m)	Ave. q_t (MPa)	R_k	Soil Press. (kPa)	Ult. bearing cap. (kPa)
1	1.00	0.50	2.00	1.16	0.20	9.50	242.20
2	1.20	0.50	2.30	1.20	0.20	9.50	249.22
3	1.40	0.50	2.60	1.25	0.20	9.50	259.25
4	1.60	0.50	2.90	1.29	0.20	9.50	268.31
5	1.80	0.50	3.20	1.33	0.20	9.50	274.94
6	2.00	0.50	3.50	1.37	0.20	9.50	284.11
7	2.20	0.50	3.80	1.37	0.20	9.50	282.96
8	2.40	0.50	4.10	1.36	0.20	9.50	282.24
9	2.60	0.50	4.40	1.38	0.20	9.50	285.25
10	2.80	0.50	4.70	1.41	0.20	9.50	291.75
11	3.00	0.50	5.00	1.45	0.20	9.50	299.06
12	3.20	0.50	5.30	1.48	0.20	9.50	305.00
13	3.40	0.50	5.60	1.50	0.20	9.50	310.01
14	3.60	0.50	5.90	1.51	0.20	9.50	312.38
15	3.80	0.50	6.20	1.53	0.20	9.50	315.48
16	4.00	0.50	6.50	1.56	0.20	9.50	321.97

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
1	0.01	0.03	0.06	-0.10	0.24	0.03	0.20	1.00	4.03	13.73	0.14	0.00	0.14	217.28	0.20	0.00	1.00	1.00	2.00	3.74	0.59	-0.73	15.10	0.00
2	0.02	0.10	0.13	0.00	0.13	0.10	0.13	1.00	3.49	13.73	0.27	0.00	0.27	363.06	0.13	0.00	1.00	1.00	2.00	3.19	1.97	0.00	17.04	1.00
3	0.03	0.10	0.13	0.00	0.13	0.10	0.13	1.00	3.49	13.73	0.41	0.00	0.41	241.71	0.13	0.00	1.00	1.00	2.00	3.19	1.97	0.00	17.03	1.00
4	0.04	0.10	0.13	0.00	0.13	0.10	0.13	1.00	3.49	13.73	0.55	0.00	0.55	181.03	0.13	0.00	1.00	1.00	2.00	3.19	1.96	0.00	17.03	1.00
5	0.05	0.53	0.41	0.29	0.08	0.53	0.08	1.00	2.75	13.73	0.69	0.00	0.69	770.90	0.08	0.00	0.00	0.79	2.00	2.45	10.45	0.42	28.88	0.00
6	0.06	0.83	0.54	0.29	0.06	0.83	0.07	1.00	2.56	13.73	0.82	0.00	0.82	1006.31	0.07	0.00	0.00	0.71	2.00	2.26	16.37	0.35	37.10	0.00
7	0.07	1.34	0.82	-0.96	0.06	1.34	0.06	0.00	2.35	13.73	0.96	0.00	0.96	1392.62	0.06	0.00	0.00	0.63	2.00	2.05	26.43	-1.00	50.86	0.00
8	0.08	1.41	1.29	-3.45	0.09	1.41	0.09	0.00	2.33	13.73	1.10	0.00	1.10	1281.65	0.09	0.00	0.00	0.63	2.00	2.03	27.80	-3.14	52.10	0.00
9	0.09	1.44	1.36	-2.97	0.09	1.44	0.09	0.00	2.33	13.73	1.24	0.00	1.24	1163.49	0.09	0.00	0.00	0.62	2.00	2.03	28.39	-2.40	52.81	0.00
10	0.10	1.43	3.18	-4.03	0.22	1.43	0.22	5.00	2.39	14.46	1.38	0.00	1.38	1034.16	0.22	0.00	5.00	0.65	2.00	2.10	28.18	-2.92	50.06	6.00
11	0.11	1.41	4.60	-4.12	0.33	1.41	0.33	5.00	2.44	14.87	1.53	0.00	1.53	920.39	0.33	0.00	5.00	0.67	2.00	2.16	27.78	-2.69	47.78	6.00
12	0.12	1.41	6.78	-4.12	0.48	1.41	0.48	5.00	2.50	15.32	1.68	0.00	1.68	836.49	0.48	0.00	5.00	0.70	2.00	2.22	27.78	-2.45	45.31	6.00
13	0.13	1.32	6.81	-4.12	0.51	1.32	0.52	5.00	2.53	15.30	1.84	0.00	1.84	717.65	0.52	0.00	5.00	0.71	2.00	2.26	26.00	-2.24	43.15	6.00
14	0.14	1.34	7.03	-4.12	0.52	1.34	0.52	5.00	2.53	15.34	1.99	0.00	1.99	672.27	0.53	0.00	5.00	0.71	2.00	2.25	26.39	-2.07	43.39	6.00
15	0.15	1.35	7.47	-4.03	0.55	1.35	0.55	5.00	2.54	15.42	2.14	0.00	2.14	628.51	0.55	0.00	5.00	0.71	2.00	2.26	26.59	-1.88	43.17	6.00
16	0.16	1.32	8.29	-4.03	0.63	1.32	0.63	5.00	2.57	15.53	2.30	0.00	2.30	572.93	0.63	0.00	5.00	0.73	2.00	2.29	25.99	-1.75	41.68	6.00
17	0.17	1.32	9.49	-3.93	0.72	1.32	0.72	5.00	2.59	15.68	2.46	0.00	2.46	536.28	0.72	0.00	5.00	0.74	2.00	2.32	25.99	-1.60	40.56	6.00
18	0.18	1.30	9.18	-4.12	0.71	1.30	0.71	5.00	2.59	15.64	2.61	0.00	2.61	496.44	0.71	0.00	5.00	0.74	2.00	2.32	25.59	-1.58	40.39	6.00
19	0.19	1.29	9.59	-4.12	0.74	1.29	0.74	4.00	2.61	15.69	2.77	0.00	2.77	464.64	0.75	0.00	5.00	0.74	2.00	2.34	25.39	-1.49	39.80	6.00
20	0.20	1.28	9.62	-4.12	0.75	1.28	0.75	4.00	2.61	15.69	2.93	0.00	2.93	436.25	0.75	0.00	5.00	0.74	2.00	2.34	25.19	-1.41	39.54	6.00
21	0.21	1.22	10.97	-4.22	0.90	1.22	0.90	4.00	2.66	15.82	3.08	0.00	3.08	394.36	0.90	0.00	5.00	0.76	2.00	2.40	24.00	-1.37	37.10	6.00
22	0.22	1.20	10.31	-4.22	0.86	1.20	0.86	4.00	2.66	15.74	3.24	0.00	3.24	368.98	0.86	0.00	5.00	0.76	2.00	2.39	23.60	-1.30	37.19	6.00
23	0.23	1.16	10.66	-4.41	0.92	1.16	0.92	4.00	2.69	15.77	3.40	0.00	3.40	340.04	0.92	0.00	5.00	0.77	2.00	2.42	22.81	-1.30	36.04	6.00
24	0.24	1.14	10.18	-4.41	0.90	1.14	0.89	4.00	2.69	15.71	3.56	0.00	3.56	319.35	0.90	0.00	5.00	0.77	2.00	2.42	22.41	-1.24	35.98	6.00
25	0.25	1.09	9.93	-4.41	0.91	1.09	0.91	4.00	2.71	15.66	3.71	0.00	3.71	292.37	0.91	0.00	5.00	0.78	2.00	2.44	21.42	-1.19	35.07	6.00
26	0.26	1.07	10.03	-4.31	0.94	1.07	0.94	4.00	2.72	15.67	3.87	0.00	3.87	275.32	0.94	0.00	5.00	0.79	2.00	2.46	21.03	-1.11	34.55	6.00
27	0.27	1.05	10.40	-4.31	0.99	1.05	0.99	4.00	2.74	15.70	4.03	0.00	4.03	259.58	1.00	0.00	5.00	0.80	2.00	2.48	20.63	-1.07	33.83	6.00
28	0.28	1.01	10.91	-4.22	1.08	1.01	1.08	4.00	2.77	15.74	4.18	0.00	4.18	240.22	1.09	0.00	5.00	0.81	2.00	2.51	19.84	-1.01	32.60	6.00
29	0.29	1.00	11.22	-4.22	1.12	1.00	1.12	4.00	2.78	15.77	4.34	0.00	4.34	229.15	1.13	0.00	5.00	0.81	2.00	2.52	19.64	-0.97	32.16	0.00
30	0.30	0.99	11.32	-4.22	1.15	0.99	1.14	4.00	2.79	15.78	4.50	0.00	4.50	218.86	1.15	0.00	5.00	0.82	2.00	2.53	19.43	-0.94	31.88	4.00
31	0.31	0.99	10.66	-4.22	1.08	0.99	1.08	4.00	2.78	15.71	4.66	0.00	4.66	211.44	1.08	0.00	5.00	0.81	2.00	2.52	19.43	-0.91	32.33	6.00
32	0.32	0.98	10.59	-4.22	1.08	0.98	1.08	4.00	2.78	15.69	4.81	0.00	4.81	202.44	1.09	0.00	5.00	0.81	2.00	2.52	19.23	-0.88	32.16	0.00
33	0.33	0.98	10.53	-4.12	1.07	0.98	1.08	4.00	2.78	15.69	4.97	0.00	4.97	196.02	1.08	0.00	5.00	0.81	2.00	2.52	19.23	-0.83	32.20	0.00
34	0.34	0.98	10.66	-4.22	1.08	0.98	1.09	4.00	2.78	15.70	5.13	0.00	5.13	189.98	1.09	0.00	5.00	0.81	2.00	2.52	19.23	-0.82	32.10	4.00
35	0.35	0.99	10.40	-4.12	1.05	0.99	1.05	4.00	2.77	15.68	5.28	0.00	5.28	186.21	1.06	0.00	5.00	0.81	2.00	2.51	19.42	-0.78	32.50	6.00
36	0.36	1.00	10.47	-4.22	1.04	1.00	1.05	4.00	2.77	15.69	5.44	0.00	5.44	182.65	1.05	0.00	5.00	0.81	2.00	2.51	19.61	-0.78	32.66	6.00
37	0.37	1.02	10.63	-4.12	1.04	1.02	1.04	4.00	2.76	15.71	5.60	0.00	5.60	181.07	1.05	0.00	5.00	0.80	2.00	2.50	20.01	-0.74	32.98	6.00
38	0.38	1.03	10.72	-4.22	1.05	1.03	1.04	4.00	2.76	15.73	5.75	0.00	5.75	177.83	1.05	0.00	5.00	0.80	2.00	2.49	20.20	-0.73	33.13	6.00
39	0.39	1.03	10.81	-4.22	1.05	1.03	1.05	4.00	2.76	15.74	5.91	0.00	5.91	173.07	1.06	0.00	5.00	0.80	2.00	2.50	20.20	-0.71	33.06	6.00
40	0.40	1.04	10.72	-4.12	1.03	1.04	1.03	4.00	2.75	15.73	6.07	0.00	6.07	170.21	1.04	0.00	5.00	0.80	2.00	2.49	20.39	-0.68	33.34	6.00
41	0.41	1.04	10.63	-4.22	1.02	1.04	1.02	4.00	2.75	15.72	6.23	0.00	6.23	165.88	1.03	0.00	5.00	0.80	2.00	2.49	20.39	-0.68	33.40	6.00
42	0.42	1.05	10.37	-4.12	0.99	1.05	0.99	4.00	2.74	15.70	6.38	0.00	6.38	163.35	0.99	0.00	5.00	0.80	2.00	2.48	20.58	-0.65	33.80	6.00
43	0.43	1.06	10.37	-4.22	0.98	1.06	0.98	4.00	2.73	15.70	6.54	0.00	6.54	160.93	0.99	0.00	5.00	0.79	2.00	2.47	20.78	-0.65	34.02	6.00
44	0.44	1.09	10.28	-4.12	0.94	1.09	0.94	4.00	2.72	15.70	6.70	0.00	6.70	161.61	0.95	0.00	5.00	0.79	2.00	2.45	21.37	-0.62	34.74	6.00
45	0.45	1.11	10.28	-4.12	0.93	1.11	0.93	4.00	2.71	15.71	6.85	0.00	6.85	160.80	0.93	0.00	5.00	0.78	2.00	2.44	21.76	-0.60	35.17	6.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
46	0.46	1.18	10.50	-4.03	0.89	1.18	0.89	4.00	2.67	15.76	7.01	0.00	7.01	167.15	0.90	0.00	5.00	0.77	2.00	2.41	23.14	-0.57	36.52	6.00
47	0.47	1.23	10.66	-3.93	0.87	1.23	0.87	4.00	2.65	15.79	7.17	0.00	7.17	170.43	0.87	0.00	5.00	0.76	2.00	2.39	24.12	-0.55	37.48	6.00
48	0.48	1.37	11.07	-3.83	0.81	1.37	0.81	4.00	2.60	15.87	7.33	0.00	7.33	185.82	0.81	0.00	5.00	0.74	2.00	2.33	26.88	-0.52	40.15	6.00
49	0.49	1.48	11.19	-3.74	0.75	1.48	0.76	5.00	2.55	15.92	7.49	0.00	7.49	196.54	0.76	0.00	5.00	0.73	2.00	2.29	29.05	-0.50	42.40	6.00
50	0.50	1.64	11.41	-3.55	0.70	1.64	0.70	5.00	2.50	15.98	7.65	0.00	7.65	213.34	0.70	0.00	5.00	0.70	2.00	2.23	32.21	-0.46	45.62	6.00
51	0.51	2.00	11.82	-3.07	0.59	2.00	0.59	5.00	2.39	16.09	7.81	0.00	7.81	255.04	0.59	0.00	5.00	0.66	2.00	2.12	39.31	-0.39	52.83	6.00
52	0.52	2.10	12.55	-2.97	0.60	2.10	0.60	5.00	2.37	16.18	7.97	0.00	7.97	262.39	0.60	0.00	5.00	0.66	2.00	2.11	41.28	-0.37	54.11	6.00
53	0.53	2.10	14.35	-3.07	0.68	2.10	0.68	5.00	2.40	16.34	8.13	0.00	8.13	257.10	0.69	0.00	5.00	0.67	2.00	2.13	41.28	-0.38	52.15	6.00
54	0.54	2.10	14.98	-2.97	0.71	2.10	0.71	5.00	2.41	16.39	8.30	0.00	8.30	252.00	0.72	0.00	5.00	0.67	2.00	2.14	41.27	-0.36	51.50	6.00
55	0.55	2.09	15.92	-2.97	0.76	2.09	0.76	5.00	2.42	16.45	8.46	0.00	8.46	245.90	0.77	0.00	5.00	0.68	2.00	2.16	41.07	-0.35	50.36	6.00
56	0.56	2.06	18.54	-2.97	0.90	2.06	0.90	5.00	2.46	16.62	8.63	0.00	8.63	237.67	0.90	0.00	5.00	0.69	2.00	2.20	40.48	-0.34	47.36	7.00
57	0.57	2.05	19.86	-2.97	0.97	2.05	0.97	5.00	2.48	16.70	8.80	0.00	8.80	232.00	0.97	0.00	5.00	0.70	2.00	2.22	40.28	-0.34	46.04	7.00
58	0.58	2.03	21.85	-3.07	1.08	2.03	1.08	5.00	2.50	16.81	8.96	0.00	8.96	225.40	1.08	0.00	5.00	0.71	2.00	2.25	39.88	-0.34	44.09	7.00
59	0.59	2.01	22.80	-3.07	1.13	2.01	1.13	5.00	2.52	16.85	9.13	0.00	9.13	219.03	1.14	0.00	5.00	0.72	2.00	2.27	39.48	-0.34	43.03	7.00
60	0.60	1.99	23.90	-3.16	1.20	1.99	1.20	5.00	2.54	16.90	9.30	0.00	9.30	212.88	1.21	0.00	5.00	0.73	2.00	2.29	39.08	-0.34	41.89	7.00
61	0.61	1.91	26.93	-3.26	1.41	1.91	1.41	4.00	2.59	17.02	9.47	0.00	9.47	200.58	1.42	0.00	5.00	0.75	2.00	2.34	37.50	-0.34	38.57	7.00
62	0.62	1.84	28.57	-3.35	1.55	1.84	1.55	4.00	2.62	17.08	9.64	0.00	9.64	189.75	1.56	0.00	5.00	0.76	2.00	2.38	36.11	-0.35	36.49	7.00
63	0.63	1.68	32.57	-3.55	1.94	1.68	1.94	4.00	2.71	17.19	9.81	0.00	9.81	170.10	1.95	0.00	5.00	0.80	2.00	2.47	32.95	-0.36	31.99	5.00
64	0.64	1.59	34.90	-3.64	2.19	1.59	2.20	4.00	2.76	17.25	9.99	0.00	9.99	158.13	2.21	0.00	4.00	0.82	2.00	2.52	31.17	-0.36	29.64	5.00
65	0.65	1.42	39.07	-3.93	2.75	1.42	2.75	4.00	2.86	17.34	10.16	0.00	10.16	138.68	2.77	0.00	4.00	0.85	2.00	2.62	27.81	-0.39	25.70	5.00
66	0.66	1.34	40.23	-4.03	3.00	1.34	3.00	3.00	2.90	17.35	10.33	0.00	10.33	128.59	3.03	0.00	4.00	0.87	2.00	2.66	26.23	-0.39	24.25	5.00
67	0.67	1.21	41.68	-4.31	3.45	1.21	3.45	3.00	2.97	17.35	10.51	0.00	10.51	114.07	3.48	0.00	4.00	0.90	2.00	2.74	23.66	-0.41	22.10	5.00
68	0.68	1.15	42.06	-4.41	3.66	1.15	3.66	3.00	3.00	17.34	10.68	0.00	10.68	106.59	3.69	0.00	4.00	0.91	2.00	2.77	22.47	-0.41	21.22	3.00
69	0.69	1.05	40.74	-4.70	3.87	1.05	3.88	3.00	3.05	17.27	10.85	0.00	10.85	95.65	3.92	0.00	3.00	0.93	2.00	2.82	20.49	-0.43	20.27	3.00
70	0.70	1.01	40.33	-4.70	4.00	1.01	4.00	3.00	3.07	17.24	11.03	0.00	11.03	90.51	4.04	0.00	3.00	0.94	2.00	2.84	19.70	-0.43	19.85	3.00
71	0.71	0.97	39.35	-4.89	4.05	0.97	4.06	3.00	3.09	17.20	11.20	0.00	11.20	85.53	4.11	-0.01	3.00	0.94	2.00	2.86	18.91	-0.44	19.57	3.00
72	0.72	0.91	37.77	-4.98	4.16	0.91	4.16	3.00	3.12	17.13	11.37	0.00	11.37	78.95	4.21	-0.01	3.00	0.96	2.00	2.89	17.72	-0.44	19.17	3.00
73	0.73	0.89	36.89	-5.08	4.16	0.89	4.15	3.00	3.12	17.09	11.54	0.00	11.54	76.03	4.20	-0.01	3.00	0.96	2.00	2.89	17.32	-0.44	19.13	3.00
74	0.74	0.84	35.06	-5.18	4.15	0.84	4.18	3.00	3.15	17.01	11.71	0.00	11.71	70.64	4.24	-0.01	3.00	0.97	2.00	2.92	16.33	-0.44	18.91	3.00
75	0.75	0.83	33.77	-5.27	4.08	0.83	4.07	3.00	3.14	16.96	11.88	0.00	11.88	68.77	4.13	-0.01	3.00	0.97	2.00	2.91	16.13	-0.44	19.12	3.00
76	0.76	0.81	32.16	-5.37	3.96	0.81	3.98	3.00	3.15	16.90	12.05	0.00	12.05	66.13	4.04	-0.01	3.00	0.97	2.00	2.92	15.73	-0.45	19.28	3.00
77	0.77	0.79	27.87	-5.46	3.53	0.79	3.53	3.00	3.13	16.72	12.22	0.00	12.22	63.58	3.59	-0.01	3.00	0.96	2.00	2.89	15.33	-0.45	20.26	3.00
78	0.78	0.79	25.41	-5.56	3.24	0.79	3.22	3.00	3.10	16.62	12.38	0.00	12.38	62.71	3.27	-0.01	3.00	0.95	2.00	2.87	15.33	-0.45	21.08	3.00
79	0.79	0.77	21.06	-5.56	2.74	0.77	2.74	3.00	3.07	16.39	12.55	0.00	12.55	60.28	2.78	-0.01	4.00	0.94	2.00	2.84	14.93	-0.44	22.34	4.00
80	0.80	0.77	19.83	-5.65	2.58	0.77	2.58	3.00	3.06	16.32	12.71	0.00	12.71	59.49	2.62	-0.01	4.00	0.93	2.00	2.82	14.92	-0.44	22.84	4.00
81	0.81	0.76	18.82	-5.75	2.48	0.76	2.48	3.00	3.06	16.26	12.87	0.00	12.87	57.95	2.52	-0.01	4.00	0.93	2.00	2.82	14.72	-0.45	23.07	4.00
82	0.82	0.75	17.88	-5.75	2.37	0.75	2.39	3.00	3.05	16.19	13.03	0.00	13.03	56.45	2.43	-0.01	4.00	0.93	2.00	2.81	14.52	-0.44	23.29	4.00
83	0.83	0.75	17.88	-5.75	2.37	0.75	2.39	3.00	3.05	16.19	13.20	0.00	13.20	55.74	2.43	-0.01	4.00	0.93	2.00	2.81	14.52	-0.44	23.29	4.00
84	0.84	0.75	17.88	-5.75	2.37	0.75	2.39	3.00	3.05	16.19	13.36	0.00	13.36	55.06	2.43	-0.01	4.00	0.93	2.00	2.81	14.52	-0.43	23.28	4.00
85	0.85	0.70	17.21	-8.53	2.46	0.70	2.46	3.00	3.09	16.12	13.52	0.00	13.52	50.65	2.51	-0.01	4.00	0.94	2.00	2.85	13.51	-0.63	22.62	4.00
86	0.86	0.70	17.21	-8.63	2.46	0.70	2.46	3.00	3.09	16.12	13.68	0.00	13.68	50.04	2.51	-0.01	4.00	0.94	2.00	2.85	13.51	-0.63	22.61	4.00
87	0.87	0.70	17.21	-8.53	2.46	0.70	2.46	3.00	3.09	16.12	13.84	0.00	13.84	49.44	2.51	-0.01	4.00	0.94	2.00	2.85	13.51	-0.62	22.61	4.00
88	0.88	0.65	16.36	-8.15	2.53	0.65	2.52	3.00	3.12	16.04	14.00	0.00	14.00	45.30	2.58	-0.01	3.00	0.95	2.00	2.88	12.52	-0.58	22.02	2.00
89	0.89	0.69	15.99	-8.15	2.32	0.69	2.32	3.00	3.08	16.03	14.16	0.00	14.16	47.60	2.37	-0.01	4.00	0.94	2.00	2.84	13.31	-0.58	22.95	4.00
90	0.90	0.70	15.48	-8.15	2.21	0.70	2.22	3.00	3.06	16.00	14.32	0.00	14.32	47.76	2.26	-0.01	4.00	0.93	2.00	2.82	13.50	-0.57	23.37	4.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
91	0.91	0.70	15.39	-8.15	2.18	0.70	2.20	3.00	3.06	15.99	14.48	0.00	14.48	47.22	2.25	-0.01	4.00	0.93	2.00	2.82	13.50	-0.56	23.41	4.00
92	0.92	0.74	15.58	-8.15	2.11	0.74	2.11	3.00	3.03	16.03	14.64	0.00	14.64	49.42	2.15	-0.01	4.00	0.92	2.00	2.79	14.28	-0.56	24.10	4.00
93	0.93	0.76	15.26	-8.15	2.01	0.76	2.01	3.00	3.01	16.02	14.80	0.00	14.80	50.23	2.05	-0.01	4.00	0.91	2.00	2.77	14.68	-0.55	24.65	4.00
94	0.94	0.81	15.51	-8.05	1.92	0.81	1.92	3.00	2.98	16.06	14.96	0.00	14.96	53.02	1.96	-0.01	4.00	0.90	2.00	2.73	15.66	-0.54	25.50	4.00
95	0.95	0.83	15.95	-8.05	1.93	0.83	1.93	3.00	2.97	16.10	15.12	0.00	15.12	53.77	1.96	-0.01	4.00	0.90	2.00	2.72	16.05	-0.53	25.67	4.00
96	0.96	0.86	16.65	-7.95	1.94	0.86	1.94	3.00	2.96	16.16	15.29	0.00	15.29	55.15	1.97	-0.01	4.00	0.89	2.00	2.71	16.64	-0.52	25.90	4.00
97	0.97	0.93	17.22	-7.95	1.84	0.93	1.85	4.00	2.92	16.23	15.45	0.00	15.45	59.09	1.89	-0.01	4.00	0.88	2.00	2.67	18.02	-0.51	26.94	4.00
98	0.98	0.97	17.47	-7.95	1.81	0.97	1.80	4.00	2.89	16.27	15.61	0.00	15.61	61.03	1.83	-0.01	4.00	0.87	2.00	2.65	18.81	-0.51	27.57	4.00
99	0.99	0.99	19.42	-7.86	1.97	0.99	1.96	4.00	2.91	16.40	15.77	0.00	15.77	61.65	2.00	-0.01	4.00	0.87	2.00	2.66	19.20	-0.50	26.95	4.00
100	1.00	0.98	20.31	-7.86	2.07	0.98	2.08	3.00	2.92	16.44	15.94	0.00	15.94	60.38	2.11	-0.01	4.00	0.88	2.00	2.68	19.00	-0.49	26.34	4.00
101	1.01	1.01	21.98	-7.86	2.18	1.01	2.18	3.00	2.92	16.55	16.10	0.00	16.10	61.61	2.22	-0.01	4.00	0.88	2.00	2.68	19.59	-0.49	26.09	0.00
102	1.02	1.04	22.48	-7.86	2.16	1.04	2.16	3.00	2.91	16.58	16.27	0.00	16.27	62.82	2.20	-0.01	4.00	0.88	2.00	2.67	20.17	-0.48	26.38	5.00
103	1.03	1.08	23.27	-7.76	2.16	1.08	2.16	4.00	2.90	16.64	16.44	0.00	16.44	64.61	2.19	-0.01	4.00	0.87	2.00	2.66	20.96	-0.47	26.71	5.00
104	1.04	1.19	25.29	-7.67	2.13	1.19	2.13	4.00	2.86	16.77	16.60	0.00	16.60	70.57	2.16	-0.01	4.00	0.86	2.00	2.62	23.13	-0.46	27.63	5.00
105	1.05	1.25	26.58	-7.57	2.13	1.25	2.13	4.00	2.84	16.85	16.77	0.00	16.77	73.43	2.16	-0.01	4.00	0.85	2.00	2.60	24.31	-0.45	28.02	5.00
106	1.06	1.41	29.23	-7.38	2.07	1.41	2.08	4.00	2.79	17.00	16.94	0.00	16.94	82.13	2.10	-0.01	4.00	0.83	2.00	2.55	27.47	-0.44	29.34	5.00
107	1.07	1.50	30.87	-7.28	2.06	1.50	2.06	4.00	2.76	17.09	17.11	0.00	17.11	86.56	2.08	0.00	4.00	0.82	2.00	2.53	29.24	-0.43	29.97	5.00
108	1.08	1.64	34.21	-7.09	2.08	1.64	2.09	4.00	2.74	17.24	17.29	0.00	17.29	93.79	2.11	0.00	4.00	0.81	2.00	2.50	32.00	-0.41	30.54	5.00
109	1.09	1.68	36.23	-7.09	2.16	1.68	2.16	4.00	2.74	17.32	17.46	0.00	17.46	95.14	2.18	0.00	4.00	0.81	2.00	2.50	32.79	-0.41	30.24	5.00
110	1.10	1.71	39.85	-7.00	2.32	1.71	2.33	4.00	2.75	17.43	17.63	0.00	17.63	95.89	2.36	0.00	4.00	0.82	2.00	2.51	33.38	-0.40	29.18	5.00
111	1.11	1.69	42.09	-7.00	2.49	1.69	2.49	4.00	2.77	17.49	17.81	0.00	17.81	93.81	2.52	0.00	4.00	0.83	2.00	2.54	32.98	-0.39	28.08	5.00
112	1.12	1.60	44.87	-7.09	2.80	1.60	2.81	4.00	2.82	17.54	17.98	0.00	17.98	87.88	2.84	0.00	4.00	0.85	2.00	2.59	31.20	-0.39	25.98	5.00
113	1.13	1.54	46.76	-7.00	3.03	1.54	3.04	3.00	2.85	17.58	18.16	0.00	18.16	83.72	3.08	0.00	4.00	0.86	2.00	2.62	30.01	-0.39	24.65	5.00
114	1.14	1.47	50.51	-6.90	3.43	1.47	3.44	3.00	2.90	17.65	18.34	0.00	18.34	79.09	3.48	0.00	4.00	0.88	2.00	2.68	28.63	-0.38	22.76	5.00
115	1.15	1.44	52.18	-6.90	3.63	1.44	3.63	3.00	2.92	17.68	18.51	0.00	18.51	76.70	3.67	0.00	4.00	0.89	2.00	2.70	28.03	-0.37	21.98	3.00
116	1.16	1.40	54.07	-6.90	3.85	1.40	3.87	3.00	2.95	17.71	18.69	0.00	18.69	73.83	3.92	-0.01	4.00	0.90	2.00	2.73	27.24	-0.37	21.07	3.00
117	1.17	1.35	56.63	-7.00	4.19	1.35	4.20	3.00	2.98	17.75	18.87	0.00	18.87	70.47	4.26	-0.01	3.00	0.91	2.00	2.76	26.25	-0.37	19.94	3.00
118	1.18	1.32	56.60	-7.00	4.27	1.32	4.29	3.00	3.00	17.74	19.05	0.00	19.05	68.23	4.36	-0.01	3.00	0.92	2.00	2.78	25.65	-0.37	19.62	3.00
119	1.19	1.27	55.43	-7.00	4.36	1.27	4.37	3.00	3.01	17.70	19.22	0.00	19.22	64.99	4.44	-0.01	3.00	0.92	2.00	2.79	24.66	-0.36	19.32	3.00
120	1.20	1.26	53.63	-7.09	4.27	1.26	4.26	3.00	3.01	17.66	19.40	0.00	19.40	63.88	4.33	-0.01	3.00	0.92	2.00	2.79	24.46	-0.37	19.59	3.00
121	1.21	1.24	51.52	-7.09	4.14	1.24	4.16	3.00	3.01	17.60	19.57	0.00	19.57	62.27	4.23	-0.01	3.00	0.92	2.00	2.79	24.06	-0.36	19.84	3.00
122	1.22	1.19	48.40	-7.19	4.08	1.19	4.07	3.00	3.02	17.52	19.75	0.00	19.75	59.18	4.14	-0.01	3.00	0.92	2.00	2.80	23.07	-0.36	19.98	3.00
123	1.23	1.15	46.25	-7.19	4.03	1.15	4.03	3.00	3.03	17.45	19.92	0.00	19.92	56.64	4.10	-0.01	3.00	0.93	2.00	2.80	22.28	-0.36	20.01	3.00
124	1.24	1.08	43.70	-7.28	4.03	1.08	4.05	3.00	3.05	17.36	20.10	0.00	20.10	52.66	4.13	-0.01	3.00	0.94	2.00	2.83	20.89	-0.36	19.77	3.00
125	1.25	1.07	42.09	-7.28	3.94	1.07	3.94	3.00	3.05	17.32	20.27	0.00	20.27	51.71	4.02	-0.01	3.00	0.94	2.00	2.82	20.69	-0.36	20.05	3.00
126	1.26	1.05	40.64	-7.38	3.88	1.05	3.88	3.00	3.05	17.27	20.44	0.00	20.44	50.28	3.95	-0.01	3.00	0.94	2.00	2.82	20.29	-0.36	20.16	3.00
127	1.27	1.03	37.49	-7.48	3.66	1.03	3.65	3.00	3.04	17.17	20.62	0.00	20.62	48.89	3.72	-0.01	3.00	0.93	2.00	2.81	19.89	-0.36	20.76	3.00
128	1.28	1.02	35.63	-7.48	3.49	1.02	3.50	3.00	3.03	17.11	20.79	0.00	20.79	47.99	3.57	-0.01	3.00	0.93	2.00	2.81	19.69	-0.36	21.16	3.00
129	1.29	1.00	33.33	-7.48	3.34	1.00	3.34	3.00	3.03	17.02	20.96	0.00	20.96	46.64	3.41	-0.01	4.00	0.93	2.00	2.80	19.29	-0.36	21.57	3.00
130	1.30	0.99	31.72	-7.48	3.21	0.99	3.21	3.00	3.02	16.96	21.13	0.00	21.13	45.79	3.28	-0.01	4.00	0.92	2.00	2.79	19.09	-0.35	21.94	3.00
131	1.31	0.96	28.60	-7.57	2.97	0.96	2.98	3.00	3.02	16.83	21.29	0.00	21.29	44.01	3.05	-0.01	4.00	0.92	2.00	2.79	18.50	-0.36	22.54	5.00
132	1.32	0.96	27.30	-7.48	2.84	0.96	2.85	3.00	3.00	16.78	21.46	0.00	21.46	43.66	2.91	-0.01	4.00	0.92	2.00	2.77	18.49	-0.35	23.00	5.00
133	1.33	0.95	26.26	-7.48	2.76	0.95	2.77	3.00	3.00	16.73	21.63	0.00	21.63	42.85	2.83	-0.01	4.00	0.92	2.00	2.77	18.29	-0.35	23.22	5.00
134	1.34	0.96	25.95	-7.57	2.70	0.96	2.71	3.00	2.99	16.72	21.80	0.00	21.80	42.97	2.77	-0.01	4.00	0.91	2.00	2.76	18.49	-0.35	23.50	5.00
135	1.35	0.98	24.81	-7.57	2.54	0.98	2.54	3.00	2.97	16.67	21.96	0.00	21.96	43.55	2.59	-0.01	4.00	0.90	2.00	2.74	18.88	-0.34	24.27	5.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
136	1.36	0.98	24.34	-7.57	2.49	0.98	2.49	3.00	2.96	16.65	22.13	0.00	22.13	43.21	2.55	-0.01	4.00	0.90	2.00	2.73	18.88	-0.34	24.46	5.00
137	1.37	0.98	23.71	-7.57	2.43	0.98	2.42	3.00	2.96	16.62	22.30	0.00	22.30	42.88	2.48	-0.01	4.00	0.90	2.00	2.72	18.87	-0.34	24.72	5.00
138	1.38	0.97	22.86	-7.57	2.36	0.97	2.36	3.00	2.96	16.58	22.46	0.00	22.46	42.11	2.42	-0.01	4.00	0.90	2.00	2.72	18.67	-0.34	24.91	5.00
139	1.39	0.96	22.58	-7.57	2.35	0.96	2.36	3.00	2.96	16.56	22.63	0.00	22.63	41.36	2.41	-0.01	4.00	0.90	2.00	2.72	18.47	-0.33	24.85	5.00
140	1.40	0.96	21.85	-7.57	2.27	0.96	2.28	3.00	2.95	16.52	22.79	0.00	22.79	41.05	2.34	-0.01	4.00	0.90	2.00	2.72	18.47	-0.33	25.16	4.00
141	1.41	0.96	21.91	-7.57	2.28	0.96	2.29	3.00	2.95	16.52	22.96	0.00	22.96	40.75	2.34	-0.01	4.00	0.90	2.00	2.72	18.46	-0.33	25.13	4.00
142	1.42	0.96	21.60	-7.67	2.25	0.96	2.25	3.00	2.95	16.51	23.12	0.00	23.12	40.45	2.31	-0.01	4.00	0.90	2.00	2.71	18.46	-0.33	25.27	4.00
143	1.43	0.97	21.03	-7.67	2.18	0.97	2.17	3.00	2.94	16.48	23.29	0.00	23.29	40.58	2.23	-0.01	4.00	0.89	2.00	2.70	18.65	-0.33	25.70	4.00
144	1.44	0.97	20.72	-7.57	2.13	0.97	2.14	3.00	2.93	16.46	23.45	0.00	23.45	40.29	2.19	-0.01	4.00	0.89	2.00	2.70	18.65	-0.32	25.84	4.00
145	1.45	0.97	19.77	-7.67	2.03	0.97	2.04	3.00	2.92	16.41	23.62	0.00	23.62	40.00	2.09	-0.01	4.00	0.88	2.00	2.69	18.65	-0.32	26.28	4.00
146	1.46	0.97	19.42	-7.76	2.01	0.97	2.01	3.00	2.92	16.39	23.78	0.00	23.78	39.72	2.06	-0.01	4.00	0.88	2.00	2.68	18.64	-0.33	26.44	4.00
147	1.47	0.96	19.30	-7.67	2.01	0.96	2.01	3.00	2.92	16.38	23.94	0.00	23.94	39.03	2.07	-0.01	4.00	0.89	2.00	2.69	18.44	-0.32	26.31	4.00
148	1.48	0.96	18.76	-7.76	1.96	0.96	1.96	4.00	2.92	16.34	24.11	0.00	24.11	38.75	2.01	-0.01	4.00	0.88	2.00	2.68	18.44	-0.32	26.57	4.00
149	1.49	0.95	18.70	-7.76	1.97	0.95	1.97	3.00	2.92	16.34	24.27	0.00	24.27	38.07	2.02	-0.01	4.00	0.88	2.00	2.68	18.24	-0.32	26.41	4.00
150	1.50	0.92	18.07	-7.86	1.96	0.92	1.97	3.00	2.93	16.28	24.43	0.00	24.43	36.59	2.02	-0.01	4.00	0.89	2.00	2.70	17.64	-0.32	26.16	4.00
151	1.51	0.92	17.85	-7.86	1.93	0.92	1.94	3.00	2.93	16.27	24.60	0.00	24.60	36.34	2.00	-0.01	4.00	0.89	2.00	2.69	17.64	-0.32	26.27	4.00
152	1.52	0.91	16.90	-7.86	1.86	0.91	1.86	3.00	2.93	16.20	24.76	0.00	24.76	35.69	1.91	-0.01	4.00	0.89	2.00	2.69	17.44	-0.32	26.55	4.00
153	1.53	0.91	16.77	-7.86	1.85	0.91	1.85	4.00	2.92	16.19	24.92	0.00	24.92	35.45	1.90	-0.01	4.00	0.89	2.00	2.69	17.44	-0.32	26.61	4.00
154	1.54	0.91	16.62	-7.86	1.82	0.91	1.83	4.00	2.92	16.18	25.08	0.00	25.08	35.21	1.88	-0.01	4.00	0.88	2.00	2.68	17.43	-0.31	26.69	4.00
155	1.55	0.92	16.27	-7.86	1.76	0.92	1.77	4.00	2.91	16.16	25.24	0.00	25.24	35.38	1.82	-0.01	4.00	0.88	2.00	2.67	17.63	-0.31	27.06	4.00
156	1.56	0.93	16.08	-7.95	1.73	0.93	1.73	4.00	2.90	16.15	25.41	0.00	25.41	35.54	1.78	-0.01	4.00	0.88	2.00	2.66	17.82	-0.31	27.35	4.00
157	1.57	0.94	15.64	-7.86	1.66	0.94	1.67	4.00	2.89	16.13	25.57	0.00	25.57	35.70	1.71	-0.01	4.00	0.87	2.00	2.65	18.02	-0.31	27.78	4.00
158	1.58	0.95	15.42	-7.86	1.63	0.95	1.63	4.00	2.88	16.11	25.73	0.00	25.73	35.86	1.67	-0.01	4.00	0.87	2.00	2.64	18.21	-0.31	28.09	4.00
159	1.59	0.97	15.29	-7.86	1.58	0.97	1.58	4.00	2.87	16.11	25.89	0.00	25.89	36.40	1.62	-0.01	4.00	0.86	2.00	2.62	18.60	-0.30	28.55	4.00
160	1.60	0.97	15.01	-7.86	1.54	0.97	1.55	4.00	2.86	16.09	26.05	0.00	26.05	36.17	1.59	-0.01	4.00	0.86	2.00	2.62	18.60	-0.30	28.71	4.00
161	1.61	1.00	14.57	-7.86	1.45	1.00	1.46	4.00	2.84	16.07	26.21	0.00	26.21	37.09	1.50	-0.01	4.00	0.85	2.00	2.59	19.19	-0.30	29.56	4.00
162	1.62	1.02	14.66	-7.86	1.44	1.02	1.44	4.00	2.83	16.08	26.37	0.00	26.37	37.62	1.48	-0.01	4.00	0.85	2.00	2.58	19.58	-0.30	29.90	4.00
163	1.63	1.05	14.85	-7.86	1.41	1.05	1.42	4.00	2.81	16.11	26.53	0.00	26.53	38.51	1.45	-0.01	4.00	0.84	2.00	2.57	20.17	-0.30	30.38	4.00
164	1.64	1.07	15.01	-7.86	1.41	1.07	1.40	4.00	2.80	16.13	26.69	0.00	26.69	39.02	1.44	-0.01	4.00	0.84	2.00	2.56	20.56	-0.29	30.67	4.00
165	1.65	1.09	15.01	-7.76	1.37	1.09	1.38	4.00	2.79	16.14	26.86	0.00	26.86	39.53	1.41	-0.01	4.00	0.83	2.00	2.55	20.95	-0.29	31.07	4.00
166	1.66	1.11	15.13	-7.76	1.36	1.11	1.37	4.00	2.78	16.15	27.02	0.00	27.02	40.03	1.40	-0.01	5.00	0.83	2.00	2.54	21.34	-0.29	31.39	4.00
167	1.67	1.15	15.64	-7.76	1.36	1.15	1.36	4.00	2.77	16.20	27.18	0.00	27.18	41.25	1.39	-0.01	5.00	0.83	2.00	2.53	22.13	-0.29	31.85	4.00
168	1.68	1.16	15.99	-7.76	1.37	1.16	1.38	4.00	2.77	16.23	27.34	0.00	27.34	41.37	1.41	-0.01	5.00	0.83	2.00	2.53	22.32	-0.28	31.83	4.00
169	1.69	1.18	16.74	-7.76	1.42	1.18	1.42	4.00	2.77	16.29	27.50	0.00	27.50	41.84	1.45	-0.01	5.00	0.83	2.00	2.53	22.72	-0.28	31.75	4.00
170	1.70	1.17	17.28	-7.76	1.47	1.17	1.48	4.00	2.78	16.33	27.67	0.00	27.67	41.23	1.51	-0.01	4.00	0.83	2.00	2.54	22.52	-0.28	31.23	4.00
171	1.71	1.21	17.94	-7.76	1.49	1.21	1.48	4.00	2.77	16.38	27.83	0.00	27.83	42.42	1.52	-0.01	5.00	0.83	2.00	2.53	23.30	-0.28	31.59	4.00
172	1.72	1.23	19.36	-7.76	1.57	1.23	1.58	4.00	2.78	16.48	28.00	0.00	28.00	42.88	1.61	-0.01	4.00	0.83	2.00	2.54	23.69	-0.28	31.14	4.00
173	1.73	1.24	19.99	-7.76	1.61	1.24	1.61	4.00	2.78	16.52	28.16	0.00	28.16	42.97	1.65	-0.01	4.00	0.83	2.00	2.54	23.89	-0.28	30.96	4.00
174	1.74	1.26	20.12	-7.76	1.60	1.26	1.60	4.00	2.77	16.53	28.33	0.00	28.33	43.42	1.64	-0.01	4.00	0.83	2.00	2.53	24.28	-0.27	31.24	4.00
175	1.75	1.27	20.90	-7.76	1.65	1.27	1.65	4.00	2.77	16.58	28.49	0.00	28.49	43.52	1.69	-0.01	4.00	0.83	2.00	2.53	24.47	-0.27	30.99	4.00
176	1.76	1.28	21.22	-7.76	1.66	1.28	1.66	4.00	2.77	16.60	28.66	0.00	28.66	43.61	1.70	-0.01	4.00	0.83	2.00	2.53	24.67	-0.27	30.98	5.00
177	1.77	1.28	21.98	-7.76	1.71	1.28	1.72	4.00	2.78	16.64	28.82	0.00	28.82	43.35	1.76	-0.01	4.00	0.83	2.00	2.54	24.66	-0.27	30.57	5.00
178	1.78	1.29	22.23	-7.76	1.73	1.29	1.73	4.00	2.78	16.65	28.99	0.00	28.99	43.44	1.77	-0.01	4.00	0.83	2.00	2.54	24.86	-0.27	30.61	5.00
179	1.79	1.30	22.32	-7.86	1.71	1.30	1.72	4.00	2.77	16.66	29.16	0.00	29.16	43.53	1.76	-0.01	4.00	0.83	2.00	2.54	25.05	-0.27	30.73	5.00
180	1.80	1.30	22.29	-7.86	1.71	1.30	1.72	4.00	2.77	16.66	29.32	0.00	29.32	43.28	1.76	-0.01	4.00	0.83	2.00	2.54	25.05	-0.27	30.75	5.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
181	1.81	1.30	22.26	-7.86	1.72	1.30	1.71	4.00	2.77	16.66	29.49	0.00	29.49	43.03	1.75	-0.01	4.00	0.83	2.00	2.54	25.05	-0.27	30.76	5.00
182	1.82	1.28	22.29	-7.86	1.74	1.28	1.74	4.00	2.78	16.65	29.66	0.00	29.66	42.10	1.79	-0.01	4.00	0.83	2.00	2.55	24.65	-0.27	30.39	5.00
183	1.83	1.27	22.26	-7.86	1.75	1.27	1.76	4.00	2.79	16.65	29.82	0.00	29.82	41.53	1.80	-0.01	4.00	0.84	2.00	2.55	24.45	-0.26	30.23	5.00
184	1.84	1.26	21.98	-7.95	1.74	1.26	1.75	4.00	2.79	16.63	29.99	0.00	29.99	40.96	1.79	-0.01	4.00	0.84	2.00	2.55	24.25	-0.27	30.20	5.00
185	1.85	1.25	21.41	-7.95	1.71	1.25	1.72	4.00	2.79	16.60	30.16	0.00	30.16	40.40	1.76	-0.01	4.00	0.84	2.00	2.55	24.04	-0.26	30.33	5.00
186	1.86	1.25	21.06	-7.95	1.69	1.25	1.69	4.00	2.78	16.58	30.32	0.00	30.32	40.17	1.73	-0.01	4.00	0.84	2.00	2.55	24.04	-0.26	30.51	5.00
187	1.87	1.24	20.37	-7.95	1.64	1.24	1.64	4.00	2.78	16.54	30.49	0.00	30.49	39.62	1.69	-0.01	4.00	0.83	2.00	2.54	23.84	-0.26	30.71	4.00
188	1.88	1.24	20.31	-7.95	1.64	1.24	1.64	4.00	2.78	16.53	30.65	0.00	30.65	39.40	1.68	-0.01	4.00	0.83	2.00	2.54	23.84	-0.26	30.74	4.00
189	1.89	1.24	19.90	-7.95	1.60	1.24	1.61	4.00	2.78	16.51	30.82	0.00	30.82	39.18	1.65	-0.01	4.00	0.83	2.00	2.54	23.83	-0.26	30.96	4.00
190	1.90	1.26	19.74	-7.95	1.57	1.26	1.57	4.00	2.77	16.51	30.98	0.00	30.98	39.61	1.61	-0.01	4.00	0.83	2.00	2.53	24.23	-0.26	31.41	4.00
191	1.91	1.26	19.74	-7.95	1.57	1.26	1.57	4.00	2.77	16.51	31.15	0.00	31.15	39.40	1.61	-0.01	4.00	0.83	2.00	2.53	24.22	-0.26	31.41	4.00
192	1.92	1.26	19.74	-7.95	1.57	1.26	1.57	4.00	2.77	16.51	31.31	0.00	31.31	39.19	1.61	-0.01	4.00	0.83	2.00	2.53	24.22	-0.25	31.40	4.00
193	1.93	1.24	14.72	-9.01	1.18	1.24	1.19	4.00	2.71	16.16	31.47	0.00	31.47	38.34	1.22	-0.01	5.00	0.81	2.00	2.47	23.82	-0.29	34.14	6.00
194	1.94	1.23	14.98	-9.01	1.21	1.23	1.22	4.00	2.72	16.18	31.64	0.00	31.64	37.82	1.25	-0.01	5.00	0.81	2.00	2.48	23.62	-0.28	33.76	6.00
195	1.95	1.21	15.39	-9.01	1.27	1.21	1.27	4.00	2.74	16.20	31.80	0.00	31.80	36.99	1.31	-0.01	5.00	0.82	2.00	2.49	23.22	-0.28	33.09	6.00
196	1.96	1.19	15.45	-9.01	1.30	1.19	1.30	4.00	2.75	16.20	31.96	0.00	31.96	36.17	1.34	-0.01	5.00	0.82	2.00	2.50	22.82	-0.28	32.66	6.00
197	1.97	1.16	15.61	-9.01	1.34	1.16	1.35	4.00	2.76	16.21	32.12	0.00	32.12	35.05	1.39	-0.01	5.00	0.83	2.00	2.52	22.23	-0.28	31.97	4.00
198	1.98	1.15	15.83	-9.01	1.37	1.15	1.38	4.00	2.77	16.22	32.28	0.00	32.28	34.56	1.42	-0.01	5.00	0.83	2.00	2.53	22.02	-0.28	31.63	4.00
199	1.99	1.13	16.05	-9.01	1.42	1.13	1.42	4.00	2.79	16.23	32.45	0.00	32.45	33.77	1.46	-0.01	4.00	0.84	2.00	2.55	21.63	-0.28	31.10	4.00
200	2.00	1.12	16.17	-9.01	1.44	1.12	1.45	4.00	2.79	16.23	32.61	0.00	32.61	33.29	1.49	-0.01	4.00	0.84	2.00	2.55	21.43	-0.28	30.83	4.00
201	2.01	1.11	16.14	-9.01	1.46	1.11	1.46	4.00	2.80	16.23	32.77	0.00	32.77	32.81	1.50	-0.01	4.00	0.84	2.00	2.56	21.23	-0.27	30.66	4.00
202	2.02	1.11	16.21	-9.01	1.46	1.11	1.46	4.00	2.80	16.23	32.93	0.00	32.93	32.65	1.51	-0.01	4.00	0.84	2.00	2.56	21.22	-0.27	30.61	4.00
203	2.03	1.11	16.43	-9.01	1.48	1.11	1.48	4.00	2.80	16.25	33.10	0.00	33.10	32.48	1.53	-0.01	4.00	0.84	2.00	2.56	21.22	-0.27	30.48	4.00
204	2.04	1.11	16.58	-9.01	1.50	1.11	1.50	4.00	2.80	16.26	33.26	0.00	33.26	32.32	1.54	-0.01	4.00	0.84	2.00	2.56	21.22	-0.27	30.39	4.00
205	2.05	1.11	16.90	-9.10	1.52	1.11	1.53	4.00	2.81	16.28	33.42	0.00	33.42	32.15	1.57	-0.01	4.00	0.85	2.00	2.57	21.21	-0.27	30.20	4.00
206	2.06	1.14	17.03	-9.01	1.50	1.14	1.50	4.00	2.79	16.30	33.58	0.00	33.58	32.89	1.54	-0.01	4.00	0.84	2.00	2.55	21.80	-0.27	30.69	4.00
207	2.07	1.15	16.87	-9.01	1.46	1.15	1.47	4.00	2.79	16.29	33.75	0.00	33.75	33.02	1.51	-0.01	4.00	0.84	2.00	2.55	22.00	-0.27	30.97	4.00
208	2.08	1.21	16.81	-8.91	1.39	1.21	1.39	4.00	2.75	16.31	33.91	0.00	33.91	34.63	1.43	-0.01	5.00	0.82	2.00	2.51	23.18	-0.26	32.15	6.00
209	2.09	1.24	16.90	-8.91	1.36	1.24	1.36	4.00	2.74	16.32	34.07	0.00	34.07	35.34	1.40	-0.01	5.00	0.82	2.00	2.50	23.77	-0.26	32.67	6.00
210	2.10	1.32	16.81	-8.82	1.27	1.32	1.28	4.00	2.70	16.34	34.24	0.00	34.24	37.50	1.31	-0.01	5.00	0.80	2.00	2.46	25.34	-0.26	34.25	6.00
211	2.11	1.35	16.93	-8.82	1.25	1.35	1.26	4.00	2.69	16.36	34.40	0.00	34.40	38.19	1.29	-0.01	5.00	0.80	2.00	2.45	25.93	-0.26	34.74	6.00
212	2.12	1.37	16.90	-8.72	1.23	1.37	1.24	4.00	2.68	16.36	34.56	0.00	34.56	38.58	1.27	-0.01	5.00	0.80	2.00	2.44	26.32	-0.25	35.14	6.00
213	2.13	1.37	16.81	-8.72	1.23	1.37	1.23	4.00	2.68	16.35	34.73	0.00	34.73	38.40	1.26	-0.01	5.00	0.80	2.00	2.44	26.32	-0.25	35.20	6.00
214	2.14	1.37	16.68	-8.82	1.22	1.37	1.22	4.00	2.68	16.35	34.89	0.00	34.89	38.21	1.25	-0.01	5.00	0.80	2.00	2.44	26.32	-0.25	35.28	6.00
215	2.15	1.37	16.71	-8.72	1.22	1.37	1.22	4.00	2.68	16.35	35.05	0.00	35.05	38.03	1.25	-0.01	5.00	0.80	2.00	2.44	26.31	-0.25	35.26	6.00
216	2.16	1.39	16.93	-8.82	1.22	1.39	1.22	4.00	2.67	16.37	35.22	0.00	35.22	38.42	1.25	-0.01	5.00	0.79	2.00	2.43	26.70	-0.25	35.49	6.00
217	2.17	1.43	17.56	-8.72	1.23	1.43	1.23	4.00	2.66	16.42	35.38	0.00	35.38	39.36	1.26	-0.01	5.00	0.79	2.00	2.42	27.49	-0.25	35.82	6.00
218	2.18	1.45	17.78	-8.72	1.23	1.45	1.23	4.00	2.66	16.44	35.55	0.00	35.55	39.74	1.26	-0.01	5.00	0.79	2.00	2.42	27.88	-0.25	36.05	6.00
219	2.19	1.52	17.59	-8.63	1.16	1.52	1.16	4.00	2.63	16.45	35.71	0.00	35.71	41.51	1.19	-0.01	5.00	0.78	2.00	2.39	29.26	-0.24	37.49	6.00
220	2.20	1.60	17.91	-8.63	1.12	1.60	1.12	4.00	2.60	16.49	35.88	0.00	35.88	43.55	1.15	-0.01	5.00	0.77	2.00	2.36	30.84	-0.24	38.76	6.00
221	2.21	1.64	18.44	-8.53	1.12	1.64	1.13	4.00	2.59	16.53	36.04	0.00	36.04	44.45	1.15	-0.01	5.00	0.76	2.00	2.35	31.62	-0.24	39.12	6.00
222	2.22	1.69	19.64	-8.53	1.16	1.69	1.16	4.00	2.59	16.61	36.21	0.00	36.21	45.63	1.19	-0.01	5.00	0.76	2.00	2.35	32.61	-0.24	39.17	7.00
223	2.23	1.70	20.34	-8.53	1.20	1.70	1.20	4.00	2.59	16.66	36.37	0.00	36.37	45.69	1.22	-0.01	5.00	0.76	2.00	2.35	32.80	-0.23	38.86	7.00
224	2.24	1.64	22.64	-8.53	1.38	1.64	1.38	4.00	2.64	16.77	36.54	0.00	36.54	43.83	1.41	-0.01	5.00	0.78	2.00	2.40	31.61	-0.23	36.28	7.00
225	2.25	1.61	23.99	-8.63	1.49	1.61	1.49	4.00	2.66	16.83	36.71	0.00	36.71	42.81	1.53	-0.01	5.00	0.79	2.00	2.43	31.02	-0.24	34.95	7.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
226	2.26	1.58	25.70	-8.63	1.63	1.58	1.63	4.00	2.69	16.90	36.88	0.00	36.88	41.79	1.67	-0.01	5.00	0.80	2.00	2.45	30.42	-0.23	33.48	7.00
227	2.27	1.49	27.46	-8.72	1.84	1.49	1.85	4.00	2.74	16.95	37.05	0.00	37.05	39.17	1.89	-0.01	4.00	0.82	2.00	2.51	28.64	-0.24	31.11	5.00
228	2.28	1.45	28.57	-8.72	1.97	1.45	1.97	4.00	2.77	16.99	37.22	0.00	37.22	37.91	2.02	-0.01	4.00	0.83	2.00	2.54	27.85	-0.23	29.95	5.00
229	2.29	1.36	29.48	-8.82	2.17	1.36	2.17	4.00	2.81	17.00	37.39	0.00	37.39	35.33	2.23	-0.01	4.00	0.85	2.00	2.58	26.07	-0.24	28.14	5.00
230	2.30	1.32	30.65	-8.82	2.32	1.32	2.33	4.00	2.84	17.03	37.56	0.00	37.56	34.10	2.39	-0.01	4.00	0.86	2.00	2.61	25.28	-0.23	27.03	5.00
231	2.31	1.27	30.96	-8.91	2.45	1.27	2.44	4.00	2.87	17.03	37.73	0.00	37.73	32.61	2.52	-0.01	4.00	0.87	2.00	2.64	24.29	-0.24	26.15	5.00
232	2.32	1.26	31.12	-8.91	2.47	1.26	2.47	4.00	2.87	17.03	37.90	0.00	37.90	32.20	2.55	-0.01	4.00	0.88	2.00	2.65	24.09	-0.24	25.94	5.00
233	2.33	1.25	31.25	-8.91	2.50	1.25	2.50	3.00	2.88	17.03	38.07	0.00	38.07	31.79	2.58	-0.01	4.00	0.88	2.00	2.65	23.88	-0.23	25.73	5.00
234	2.34	1.24	31.50	-8.91	2.53	1.24	2.54	3.00	2.88	17.04	38.24	0.00	38.24	31.38	2.63	-0.01	4.00	0.88	2.00	2.66	23.68	-0.23	25.48	5.00
235	2.35	1.26	31.09	-8.82	2.47	1.26	2.47	4.00	2.87	17.03	38.41	0.00	38.41	31.76	2.55	-0.01	4.00	0.88	2.00	2.65	24.08	-0.23	25.94	5.00
236	2.36	1.30	30.68	-8.91	2.36	1.30	2.36	4.00	2.85	17.03	38.58	0.00	38.58	32.65	2.44	-0.01	4.00	0.87	2.00	2.62	24.86	-0.23	26.70	5.00
237	2.37	1.32	30.62	-8.82	2.31	1.32	2.32	4.00	2.84	17.03	38.75	0.00	38.75	33.02	2.39	-0.01	4.00	0.86	2.00	2.61	25.25	-0.23	27.03	5.00
238	2.38	1.38	28.91	-8.72	2.10	1.38	2.10	4.00	2.80	16.98	38.92	0.00	38.92	34.41	2.16	-0.01	4.00	0.85	2.00	2.57	26.43	-0.22	28.67	5.00
239	2.39	1.40	28.44	-8.82	2.03	1.40	2.03	4.00	2.79	16.97	39.09	0.00	39.09	34.77	2.09	-0.01	4.00	0.84	2.00	2.56	26.83	-0.23	29.20	5.00
240	2.40	1.42	26.77	-8.82	1.88	1.42	1.89	4.00	2.76	16.90	39.26	0.00	39.26	35.12	1.94	-0.01	4.00	0.83	2.00	2.53	27.22	-0.22	30.30	5.00
241	2.41	1.42	26.11	-8.82	1.84	1.42	1.84	4.00	2.76	16.87	39.43	0.00	39.43	34.97	1.89	-0.01	4.00	0.83	2.00	2.53	27.21	-0.22	30.62	5.00
242	2.42	1.43	25.51	-8.82	1.78	1.43	1.79	4.00	2.75	16.85	39.60	0.00	39.60	35.07	1.84	-0.01	4.00	0.83	2.00	2.52	27.41	-0.22	31.08	5.00
243	2.43	1.44	25.32	-8.72	1.76	1.44	1.76	4.00	2.74	16.84	39.77	0.00	39.77	35.17	1.81	-0.01	4.00	0.83	2.00	2.51	27.60	-0.22	31.34	5.00
244	2.44	1.45	24.91	-8.72	1.72	1.45	1.72	4.00	2.73	16.83	39.93	0.00	39.93	35.26	1.77	-0.01	5.00	0.82	2.00	2.50	27.80	-0.22	31.72	5.00
245	2.45	1.47	24.94	-8.72	1.69	1.47	1.70	4.00	2.73	16.84	40.10	0.00	40.10	35.61	1.75	-0.01	5.00	0.82	2.00	2.49	28.19	-0.22	32.03	7.00
246	2.46	1.50	25.13	-8.63	1.67	1.50	1.68	4.00	2.72	16.85	40.27	0.00	40.27	36.20	1.72	-0.01	5.00	0.82	2.00	2.48	28.78	-0.21	32.42	7.00
247	2.47	1.58	26.26	-8.63	1.67	1.58	1.66	4.00	2.70	16.92	40.44	0.00	40.44	38.03	1.71	-0.01	5.00	0.81	2.00	2.46	30.35	-0.21	33.12	7.00
248	2.48	1.63	26.71	-8.63	1.63	1.63	1.64	4.00	2.68	16.95	40.61	0.00	40.61	39.09	1.68	-0.01	5.00	0.80	2.00	2.45	31.34	-0.21	33.68	7.00
249	2.49	1.78	27.75	-8.43	1.56	1.78	1.56	4.00	2.64	17.03	40.78	0.00	40.78	42.61	1.60	0.00	5.00	0.79	2.00	2.40	34.29	-0.21	35.50	7.00
250	2.50	1.85	28.22	-8.43	1.53	1.85	1.53	4.00	2.62	17.07	40.95	0.00	40.95	44.13	1.56	0.00	5.00	0.78	2.00	2.38	35.67	-0.21	36.33	7.00
251	2.51	1.92	30.30	-8.34	1.58	1.92	1.58	4.00	2.61	17.16	41.12	0.00	41.12	45.65	1.61	0.00	5.00	0.78	2.00	2.38	37.05	-0.20	36.25	7.00
252	2.52	1.92	32.26	-8.43	1.68	1.92	1.68	4.00	2.63	17.23	41.29	0.00	41.29	45.45	1.72	0.00	5.00	0.78	2.00	2.39	37.05	-0.20	35.20	7.00
253	2.53	1.92	35.12	-8.34	1.83	1.92	1.83	4.00	2.65	17.33	41.47	0.00	41.47	45.26	1.87	0.00	5.00	0.79	2.00	2.42	37.04	-0.20	33.77	7.00
254	2.54	1.90	37.58	-8.34	1.98	1.90	1.98	4.00	2.67	17.41	41.64	0.00	41.64	44.59	2.02	0.00	5.00	0.80	2.00	2.44	36.65	-0.20	32.35	7.00
255	2.55	1.88	40.64	-8.34	2.16	1.88	2.16	4.00	2.70	17.49	41.82	0.00	41.82	43.92	2.21	0.00	5.00	0.81	2.00	2.47	36.25	-0.20	30.79	5.00
256	2.56	1.85	42.47	-8.34	2.29	1.85	2.30	4.00	2.72	17.54	41.99	0.00	41.99	43.01	2.35	0.00	4.00	0.82	2.00	2.49	35.65	-0.20	29.68	5.00
257	2.57	1.79	43.83	-8.43	2.45	1.79	2.45	4.00	2.74	17.56	42.17	0.00	42.17	41.41	2.51	0.00	4.00	0.83	2.00	2.52	34.46	-0.20	28.41	5.00
258	2.58	1.77	44.55	-8.43	2.52	1.77	2.52	4.00	2.76	17.57	42.34	0.00	42.34	40.76	2.58	0.00	4.00	0.84	2.00	2.53	34.07	-0.20	27.90	5.00
259	2.59	1.75	44.68	-8.43	2.55	1.75	2.56	4.00	2.76	17.57	42.52	0.00	42.52	40.12	2.62	0.00	4.00	0.84	2.00	2.54	33.67	-0.20	27.60	5.00
260	2.60	1.73	44.87	-8.43	2.59	1.73	2.60	4.00	2.77	17.57	42.69	0.00	42.69	39.48	2.66	-0.01	4.00	0.84	2.00	2.55	33.27	-0.20	27.29	5.00
261	2.61	1.72	44.65	-8.43	2.60	1.72	2.60	4.00	2.77	17.57	42.87	0.00	42.87	39.08	2.67	-0.01	4.00	0.84	2.00	2.55	33.07	-0.20	27.24	5.00
262	2.62	1.70	43.83	-8.43	2.57	1.70	2.58	4.00	2.78	17.54	43.05	0.00	43.05	38.45	2.65	-0.01	4.00	0.84	2.00	2.55	32.67	-0.20	27.26	5.00
263	2.63	1.69	43.20	-8.43	2.55	1.69	2.56	4.00	2.78	17.52	43.22	0.00	43.22	38.06	2.63	-0.01	4.00	0.84	2.00	2.55	32.47	-0.20	27.35	5.00
264	2.64	1.68	43.13	-8.43	2.56	1.68	2.57	4.00	2.78	17.52	43.40	0.00	43.40	37.67	2.64	-0.01	4.00	0.85	2.00	2.56	32.27	-0.19	27.25	5.00
265	2.65	1.65	42.85	-8.53	2.60	1.65	2.60	4.00	2.79	17.50	43.57	0.00	43.57	36.83	2.67	-0.01	4.00	0.85	2.00	2.57	31.67	-0.20	26.96	5.00
266	2.66	1.63	41.71	-8.53	2.55	1.63	2.56	4.00	2.79	17.47	43.75	0.00	43.75	36.22	2.63	-0.01	4.00	0.85	2.00	2.57	31.27	-0.19	27.10	5.00
267	2.67	1.61	37.55	-8.53	2.33	1.61	2.33	4.00	2.77	17.34	43.92	0.00	43.92	35.62	2.40	-0.01	4.00	0.84	2.00	2.55	30.88	-0.19	28.36	5.00
268	2.68	1.60	34.90	-8.53	2.19	1.60	2.18	4.00	2.76	17.25	44.09	0.00	44.09	35.25	2.25	-0.01	4.00	0.84	2.00	2.53	30.68	-0.19	29.29	5.00
269	2.69	1.56	30.39	-8.63	1.94	1.56	1.95	4.00	2.74	17.09	44.26	0.00	44.26	34.20	2.01	-0.01	4.00	0.83	1.99	2.51	29.68	-0.19	30.62	5.00
270	2.70	1.55	28.72	-8.63	1.85	1.55	1.86	4.00	2.73	17.02	44.43	0.00	44.43	33.84	1.91	-0.01	4.00	0.83	1.98	2.50	29.31	-0.19	31.21	5.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
271	2.71	1.55	26.33	-8.63	1.69	1.55	1.70	4.00	2.71	16.92	44.60	0.00	44.60	33.71	1.75	-0.01	5.00	0.82	1.96	2.48	29.05	-0.19	32.31	7.00
272	2.72	1.55	25.63	-8.63	1.65	1.55	1.66	4.00	2.70	16.89	44.77	0.00	44.77	33.58	1.70	-0.01	5.00	0.82	1.95	2.48	28.91	-0.19	32.62	7.00
273	2.73	1.55	25.10	-8.63	1.62	1.55	1.62	4.00	2.70	16.86	44.94	0.00	44.94	33.45	1.67	-0.01	5.00	0.82	1.94	2.47	28.79	-0.19	32.85	7.00
274	2.74	1.54	24.37	-8.63	1.58	1.54	1.58	4.00	2.69	16.83	45.11	0.00	45.11	33.10	1.63	-0.01	5.00	0.81	1.93	2.47	28.50	-0.19	33.04	7.00
275	2.75	1.54	24.28	-8.63	1.58	1.54	1.58	4.00	2.69	16.82	45.28	0.00	45.28	32.97	1.63	-0.01	5.00	0.82	1.93	2.47	28.41	-0.19	33.05	7.00
276	2.76	1.53	24.44	-8.63	1.59	1.53	1.60	4.00	2.70	16.83	45.44	0.00	45.44	32.63	1.65	-0.01	5.00	0.82	1.93	2.48	28.19	-0.19	32.79	7.00
277	2.77	1.54	24.81	-8.63	1.61	1.54	1.61	4.00	2.70	16.85	45.61	0.00	45.61	32.72	1.66	-0.01	5.00	0.82	1.92	2.48	28.30	-0.19	32.72	7.00
278	2.78	1.56	24.66	-8.53	1.58	1.56	1.58	4.00	2.69	16.84	45.78	0.00	45.78	33.04	1.63	-0.01	5.00	0.82	1.91	2.47	28.52	-0.19	33.07	7.00
279	2.79	1.62	24.85	-8.53	1.54	1.62	1.54	4.00	2.67	16.87	45.95	0.00	45.95	34.22	1.58	-0.01	5.00	0.81	1.89	2.45	29.40	-0.19	33.83	7.00
280	2.80	1.64	25.07	-8.53	1.52	1.64	1.53	4.00	2.66	16.88	46.12	0.00	46.12	34.52	1.57	-0.01	5.00	0.81	1.89	2.45	29.66	-0.18	33.98	7.00
281	2.81	1.67	25.54	-8.53	1.53	1.67	1.53	4.00	2.66	16.91	46.29	0.00	46.29	35.04	1.57	-0.01	5.00	0.81	1.88	2.44	30.08	-0.18	34.15	7.00
282	2.82	1.67	26.74	-8.43	1.60	1.67	1.60	4.00	2.67	16.96	46.46	0.00	46.46	34.91	1.65	-0.01	5.00	0.81	1.88	2.46	30.09	-0.18	33.52	7.00
283	2.83	1.64	27.30	-8.53	1.66	1.64	1.67	4.00	2.68	16.98	46.63	0.00	46.63	34.13	1.72	-0.01	5.00	0.82	1.88	2.47	29.59	-0.18	32.78	7.00
284	2.84	1.62	27.49	-8.53	1.70	1.62	1.70	4.00	2.69	16.98	46.80	0.00	46.80	33.58	1.75	-0.01	5.00	0.82	1.88	2.48	29.21	-0.18	32.38	7.00
285	2.85	1.57	27.30	-8.63	1.74	1.57	1.74	4.00	2.71	16.96	46.97	0.00	46.97	32.39	1.79	-0.01	5.00	0.83	1.89	2.50	28.34	-0.18	31.72	5.00
286	2.86	1.55	27.37	-8.53	1.76	1.55	1.77	4.00	2.72	16.96	47.14	0.00	47.14	31.85	1.82	-0.01	4.00	0.83	1.89	2.51	27.95	-0.18	31.37	5.00
287	2.87	1.55	28.00	-8.53	1.81	1.55	1.81	4.00	2.72	16.99	47.31	0.00	47.31	31.73	1.87	-0.01	4.00	0.83	1.88	2.51	27.92	-0.18	31.06	5.00
288	2.88	1.55	28.09	-8.53	1.81	1.55	1.81	4.00	2.72	16.99	47.48	0.00	47.48	31.61	1.87	-0.01	4.00	0.83	1.88	2.52	27.85	-0.18	30.99	5.00
289	2.89	1.56	28.19	-8.53	1.81	1.56	1.81	4.00	2.72	17.00	47.65	0.00	47.65	31.70	1.87	-0.01	4.00	0.83	1.87	2.51	27.93	-0.18	31.06	5.00
290	2.90	1.56	27.71	-8.53	1.78	1.56	1.78	4.00	2.72	16.98	47.82	0.00	47.82	31.59	1.83	-0.01	4.00	0.83	1.87	2.51	27.81	-0.18	31.24	5.00
291	2.91	1.56	27.71	-8.53	1.78	1.56	1.78	4.00	2.72	16.98	47.99	0.00	47.99	31.47	1.83	-0.01	4.00	0.83	1.86	2.51	27.73	-0.18	31.21	5.00
292	2.92	1.56	27.71	-8.53	1.78	1.56	1.78	4.00	2.72	16.98	48.16	0.00	48.16	31.36	1.84	-0.01	4.00	0.83	1.86	2.51	27.66	-0.18	31.18	5.00
293	2.93	1.56	24.94	-9.01	1.59	1.56	1.60	4.00	2.69	16.86	48.32	0.00	48.32	31.24	1.65	-0.01	5.00	0.82	1.84	2.49	27.39	-0.19	32.44	7.00
294	2.94	1.56	24.81	-9.01	1.59	1.56	1.59	4.00	2.69	16.85	48.49	0.00	48.49	31.13	1.64	-0.01	5.00	0.82	1.83	2.49	27.31	-0.19	32.48	7.00
295	2.95	1.55	24.53	-9.01	1.58	1.55	1.58	4.00	2.69	16.84	48.66	0.00	48.66	30.81	1.64	-0.01	5.00	0.82	1.83	2.49	27.07	-0.19	32.43	7.00
296	2.96	1.52	25.03	-9.01	1.64	1.52	1.65	4.00	2.71	16.85	48.83	0.00	48.83	30.09	1.70	-0.01	5.00	0.83	1.83	2.51	26.57	-0.18	31.73	5.00
297	2.97	1.51	25.98	-9.10	1.72	1.51	1.72	4.00	2.72	16.89	49.00	0.00	49.00	29.78	1.78	-0.01	4.00	0.83	1.83	2.52	26.41	-0.19	31.11	5.00
298	2.98	1.50	27.46	-9.01	1.84	1.50	1.83	4.00	2.74	16.95	49.17	0.00	49.17	29.47	1.90	-0.01	4.00	0.84	1.84	2.54	26.28	-0.18	30.28	5.00
299	2.99	1.48	29.61	-9.01	1.99	1.48	2.00	4.00	2.76	17.04	49.34	0.00	49.34	28.96	2.07	-0.01	4.00	0.85	1.85	2.57	26.03	-0.18	29.07	5.00
300	3.00	1.48	30.93	-9.01	2.08	1.48	2.09	4.00	2.77	17.09	49.51	0.00	49.51	28.86	2.17	-0.01	4.00	0.86	1.85	2.58	26.03	-0.18	28.51	5.00
301	3.01	1.50	32.07	-9.01	2.14	1.50	2.14	4.00	2.77	17.13	49.68	0.00	49.68	29.15	2.21	-0.01	4.00	0.86	1.84	2.58	26.33	-0.18	28.32	5.00
302	3.02	1.53	34.43	-9.01	2.25	1.53	2.25	4.00	2.78	17.22	49.85	0.00	49.85	29.65	2.33	-0.01	4.00	0.86	1.84	2.59	26.84	-0.18	27.80	5.00
303	3.03	1.56	35.44	-8.91	2.27	1.56	2.27	4.00	2.77	17.26	50.03	0.00	50.03	30.15	2.35	-0.01	4.00	0.86	1.83	2.58	27.28	-0.18	27.80	5.00
304	3.04	1.61	37.02	-8.91	2.30	1.61	2.30	4.00	2.77	17.32	50.20	0.00	50.20	31.04	2.38	-0.01	4.00	0.86	1.82	2.58	28.05	-0.18	27.84	5.00
305	3.05	1.62	37.96	-8.91	2.35	1.62	2.35	4.00	2.77	17.36	50.37	0.00	50.37	31.12	2.42	-0.01	4.00	0.86	1.82	2.58	28.17	-0.18	27.62	5.00
306	3.06	1.64	39.66	-8.91	2.42	1.64	2.42	4.00	2.77	17.41	50.55	0.00	50.55	31.41	2.50	-0.01	4.00	0.86	1.82	2.58	28.48	-0.18	27.26	5.00
307	3.07	1.64	40.23	-8.91	2.45	1.64	2.46	4.00	2.78	17.43	50.72	0.00	50.72	31.30	2.53	-0.01	4.00	0.86	1.81	2.59	28.43	-0.18	27.05	5.00
308	3.08	1.64	41.05	-8.91	2.50	1.64	2.51	4.00	2.78	17.45	50.89	0.00	50.89	31.19	2.59	-0.01	4.00	0.86	1.81	2.59	28.39	-0.18	26.77	5.00
309	3.09	1.65	41.52	-8.82	2.52	1.65	2.52	4.00	2.78	17.47	51.07	0.00	51.07	31.27	2.60	-0.01	4.00	0.86	1.81	2.60	28.49	-0.17	26.72	5.00
310	3.10	1.65	41.27	-8.82	2.50	1.65	2.50	4.00	2.78	17.46	51.24	0.00	51.24	31.16	2.58	-0.01	4.00	0.86	1.80	2.59	28.40	-0.17	26.78	5.00
311	3.11	1.66	40.42	-8.82	2.44	1.66	2.44	4.00	2.77	17.44	51.42	0.00	51.42	31.25	2.52	-0.01	4.00	0.86	1.79	2.59	28.43	-0.17	27.16	5.00
312	3.12	1.66	40.01	-8.82	2.41	1.66	2.41	4.00	2.77	17.43	51.59	0.00	51.59	31.14	2.49	-0.01	4.00	0.86	1.79	2.59	28.34	-0.17	27.27	5.00
313	3.13	1.66	38.94	-8.82	2.35	1.66	2.35	4.00	2.76	17.39	51.77	0.00	51.77	31.03	2.42	-0.01	4.00	0.86	1.78	2.58	28.21	-0.17	27.61	5.00
314	3.14	1.65	36.89	-8.82	2.24	1.65	2.24	4.00	2.75	17.33	51.94	0.00	51.94	30.73	2.31	-0.01	4.00	0.85	1.77	2.57	27.89	-0.17	28.18	5.00
315	3.15	1.64	35.75	-8.82	2.17	1.64	2.18	4.00	2.75	17.29	52.11	0.00	52.11	30.43	2.25	-0.01	4.00	0.85	1.76	2.57	27.61	-0.17	28.44	5.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
316	3.16	1.64	32.76	-8.82	1.99	1.64	2.00	4.00	2.73	17.19	52.28	0.00	52.28	30.33	2.07	-0.01	4.00	0.85	1.75	2.55	27.39	-0.17	29.54	5.00
317	3.17	1.65	31.69	-8.82	1.92	1.65	1.92	4.00	2.71	17.15	52.46	0.00	52.46	30.42	1.99	-0.01	4.00	0.84	1.74	2.54	27.42	-0.17	30.07	5.00
318	3.18	1.66	30.80	-8.82	1.86	1.66	1.86	4.00	2.70	17.12	52.63	0.00	52.63	30.51	1.92	-0.01	4.00	0.84	1.73	2.53	27.45	-0.17	30.53	5.00
319	3.19	1.66	30.71	-8.82	1.85	1.66	1.85	4.00	2.70	17.12	52.80	0.00	52.80	30.41	1.91	-0.01	4.00	0.84	1.73	2.53	27.37	-0.17	30.54	5.00
320	3.20	1.66	30.33	-8.82	1.83	1.66	1.83	4.00	2.70	17.11	52.97	0.00	52.97	30.30	1.89	-0.01	4.00	0.84	1.72	2.53	27.28	-0.17	30.67	5.00
321	3.21	1.69	29.98	-8.82	1.78	1.69	1.78	4.00	2.69	17.10	53.14	0.00	53.14	30.77	1.83	-0.01	4.00	0.83	1.71	2.51	27.63	-0.17	31.19	5.00
322	3.22	1.74	29.61	-8.72	1.71	1.74	1.70	4.00	2.67	17.10	53.31	0.00	53.31	31.60	1.76	-0.01	5.00	0.83	1.70	2.49	28.27	-0.16	31.98	5.00
323	3.23	1.75	29.61	-8.82	1.69	1.75	1.69	4.00	2.66	17.10	53.48	0.00	53.48	31.69	1.75	-0.01	5.00	0.83	1.69	2.49	28.35	-0.16	32.08	7.00
324	3.24	1.77	29.92	-8.72	1.69	1.77	1.69	4.00	2.66	17.12	53.65	0.00	53.65	31.96	1.75	-0.01	5.00	0.82	1.69	2.49	28.58	-0.16	32.18	7.00
325	3.25	1.78	30.02	-8.72	1.68	1.78	1.69	4.00	2.65	17.12	53.83	0.00	53.83	32.04	1.74	-0.01	5.00	0.82	1.68	2.49	28.66	-0.16	32.24	7.00
326	3.26	1.79	30.24	-8.63	1.68	1.79	1.69	4.00	2.65	17.13	54.00	0.00	54.00	32.12	1.74	0.00	5.00	0.82	1.68	2.49	28.75	-0.16	32.25	7.00
327	3.27	1.81	30.30	-8.63	1.68	1.81	1.68	4.00	2.65	17.14	54.17	0.00	54.17	32.38	1.73	0.00	5.00	0.82	1.67	2.48	28.97	-0.16	32.46	7.00
328	3.28	1.82	30.96	-8.63	1.70	1.82	1.70	4.00	2.65	17.17	54.34	0.00	54.34	32.46	1.76	0.00	5.00	0.82	1.67	2.48	29.07	-0.16	32.28	7.00
329	3.29	1.83	31.25	-8.63	1.71	1.83	1.71	4.00	2.65	17.18	54.51	0.00	54.51	32.54	1.76	0.00	5.00	0.82	1.67	2.48	29.16	-0.16	32.26	7.00
330	3.30	1.84	31.53	-8.63	1.72	1.84	1.72	4.00	2.65	17.19	54.68	0.00	54.68	32.62	1.77	0.00	5.00	0.82	1.66	2.48	29.25	-0.16	32.25	7.00
331	3.31	1.86	31.69	-8.53	1.70	1.86	1.71	4.00	2.64	17.20	54.86	0.00	54.86	32.87	1.76	0.00	5.00	0.82	1.66	2.48	29.47	-0.16	32.41	7.00
332	3.32	1.88	32.03	-8.63	1.70	1.88	1.71	4.00	2.64	17.22	55.03	0.00	55.03	33.13	1.76	0.00	5.00	0.82	1.65	2.48	29.70	-0.16	32.49	7.00
333	3.33	1.89	32.26	-8.53	1.71	1.89	1.71	4.00	2.64	17.23	55.20	0.00	55.20	33.21	1.76	0.00	5.00	0.82	1.65	2.48	29.78	-0.15	32.50	7.00
334	3.34	1.93	32.76	-8.53	1.70	1.93	1.70	4.00	2.63	17.25	55.37	0.00	55.37	33.82	1.75	0.00	5.00	0.82	1.64	2.47	30.30	-0.15	32.76	7.00
335	3.35	1.94	32.85	-8.53	1.69	1.94	1.69	4.00	2.62	17.26	55.54	0.00	55.54	33.89	1.74	0.00	5.00	0.82	1.63	2.47	30.37	-0.15	32.82	7.00
336	3.36	1.95	32.95	-8.53	1.69	1.95	1.69	4.00	2.62	17.26	55.72	0.00	55.72	33.97	1.74	0.00	5.00	0.82	1.63	2.47	30.44	-0.15	32.88	7.00
337	3.37	1.96	32.89	-8.43	1.68	1.96	1.68	4.00	2.62	17.26	55.89	0.00	55.89	34.04	1.73	0.00	5.00	0.82	1.62	2.46	30.51	-0.15	33.00	7.00
338	3.38	1.98	32.89	-8.43	1.66	1.98	1.66	4.00	2.61	17.27	56.06	0.00	56.06	34.29	1.71	0.00	5.00	0.81	1.62	2.46	30.71	-0.15	33.22	7.00
339	3.39	1.99	34.05	-8.43	1.71	1.99	1.71	4.00	2.62	17.31	56.24	0.00	56.24	34.36	1.76	0.00	5.00	0.82	1.62	2.46	30.84	-0.15	32.84	7.00
340	3.40	1.98	34.84	-8.43	1.76	1.98	1.76	4.00	2.63	17.33	56.41	0.00	56.41	34.07	1.81	0.00	5.00	0.82	1.62	2.47	30.66	-0.15	32.38	7.00
341	3.41	1.92	36.67	-8.43	1.91	1.92	1.91	4.00	2.66	17.38	56.58	0.00	56.58	32.90	1.97	0.00	4.00	0.83	1.62	2.50	29.84	-0.15	30.94	5.00
342	3.42	1.88	38.18	-8.53	2.03	1.88	2.03	4.00	2.68	17.42	56.76	0.00	56.76	32.09	2.10	0.00	4.00	0.84	1.63	2.53	29.27	-0.15	29.90	5.00
343	3.43	1.77	42.94	-8.63	2.42	1.77	2.43	4.00	2.75	17.53	56.93	0.00	56.93	30.06	2.51	-0.01	4.00	0.87	1.65	2.59	27.83	-0.15	27.05	5.00
344	3.44	1.71	45.09	-8.63	2.63	1.71	2.64	4.00	2.78	17.57	57.11	0.00	57.11	28.91	2.73	-0.01	4.00	0.88	1.66	2.63	26.98	-0.15	25.74	5.00
345	3.45	1.67	48.40	-8.63	2.90	1.67	2.90	4.00	2.81	17.65	57.28	0.00	57.28	28.12	3.00	-0.01	4.00	0.89	1.66	2.66	26.45	-0.15	24.39	5.00
346	3.46	1.59	55.02	-8.72	3.47	1.59	3.46	3.00	2.88	17.78	57.46	0.00	57.46	26.64	3.59	-0.01	4.00	0.92	1.68	2.72	25.41	-0.15	21.95	3.00
347	3.47	1.55	57.92	-8.72	3.74	1.55	3.74	3.00	2.91	17.82	57.64	0.00	57.64	25.86	3.89	-0.01	4.00	0.93	1.69	2.75	24.83	-0.15	20.92	3.00
348	3.48	1.49	63.31	-8.72	4.25	1.49	4.25	3.00	2.95	17.91	57.82	0.00	57.82	24.74	4.43	-0.01	3.00	0.95	1.70	2.80	24.00	-0.15	19.29	3.00
349	3.49	1.47	65.83	-8.72	4.48	1.47	4.48	3.00	2.97	17.95	58.00	0.00	58.00	24.31	4.67	-0.01	3.00	0.95	1.70	2.82	23.69	-0.15	18.66	3.00
350	3.50	1.44	68.51	-8.72	4.77	1.44	4.76	3.00	3.00	17.99	58.18	0.00	58.18	23.72	4.96	-0.01	3.00	0.96	1.71	2.85	23.24	-0.15	17.93	3.00
351	3.51	1.40	74.63	-8.72	5.33	1.40	5.34	3.00	3.04	18.08	58.36	0.00	58.36	22.96	5.57	-0.01	3.00	0.98	1.72	2.89	22.69	-0.15	16.65	3.00
352	3.52	1.40	77.85	-8.72	5.56	1.40	5.57	3.00	3.05	18.13	58.54	0.00	58.54	22.88	5.81	-0.01	3.00	0.98	1.72	2.90	22.68	-0.15	16.19	3.00
353	3.53	1.40	80.97	-8.72	5.79	1.40	5.79	3.00	3.06	18.17	58.72	0.00	58.72	22.81	6.05	-0.01	3.00	0.99	1.71	2.91	22.66	-0.15	15.78	3.00
354	3.54	1.42	85.04	-8.72	6.01	1.42	6.00	3.00	3.06	18.23	58.91	0.00	58.91	23.08	6.26	-0.01	3.00	0.99	1.71	2.92	22.95	-0.15	15.43	3.00
355	3.55	1.40	86.36	-8.72	6.15	1.40	6.18	3.00	3.08	18.25	59.09	0.00	59.09	22.66	6.45	-0.01	3.00	1.00	1.71	2.93	22.61	-0.15	15.11	3.00
356	3.56	1.38	87.91	-8.72	6.35	1.38	6.38	3.00	3.09	18.26	59.27	0.00	59.27	22.25	6.67	-0.01	3.00	1.00	1.71	2.95	22.25	-0.15	14.77	3.00
357	3.57	1.37	89.80	-8.63	6.57	1.37	6.56	3.00	3.10	18.28	59.45	0.00	59.45	22.01	6.86	-0.01	3.00	1.00	1.70	2.96	22.01	-0.15	14.48	3.00
358	3.58	1.37	90.24	-8.63	6.57	1.37	6.60	3.00	3.10	18.29	59.64	0.00	59.64	21.94	6.90	-0.01	3.00	1.00	1.70	2.96	21.94	-0.14	14.43	3.00
359	3.59	1.39	88.19	-8.63	6.33	1.39	6.35	3.00	3.09	18.27	59.82	0.00	59.82	22.21	6.64	-0.01	3.00	1.00	1.69	2.95	22.21	-0.14	14.81	3.00
360	3.60	1.41	87.27	-8.63	6.19	1.41	6.20	3.00	3.08	18.26	60.00	0.00	60.00	22.47	6.47	-0.01	3.00	1.00	1.69	2.94	22.44	-0.14	15.07	3.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
361	3.61	1.43	86.90	-8.63	6.07	1.43	6.08	3.00	3.07	18.26	60.18	0.00	60.18	22.73	6.35	-0.01	3.00	0.99	1.68	2.93	22.66	-0.14	15.27	3.00
362	3.62	1.42	87.12	-8.63	6.13	1.42	6.14	3.00	3.07	18.26	60.37	0.00	60.37	22.49	6.42	-0.01	3.00	1.00	1.68	2.93	22.46	-0.14	15.16	3.00
363	3.63	1.40	87.40	-8.63	6.22	1.40	6.25	3.00	3.08	18.26	60.55	0.00	60.55	22.09	6.53	-0.01	3.00	1.00	1.67	2.94	22.09	-0.14	14.97	3.00
364	3.64	1.39	86.55	-8.63	6.21	1.39	6.23	3.00	3.08	18.24	60.73	0.00	60.73	21.86	6.52	-0.01	3.00	1.00	1.67	2.95	21.86	-0.14	14.99	3.00
365	3.65	1.38	86.80	-8.63	6.30	1.38	6.30	3.00	3.09	18.25	60.91	0.00	60.91	21.63	6.59	-0.01	3.00	1.00	1.66	2.95	21.63	-0.14	14.88	3.00
366	3.66	1.33	86.77	-8.63	6.52	1.33	6.53	3.00	3.11	18.23	61.10	0.00	61.10	20.74	6.85	-0.01	3.00	1.00	1.66	2.98	20.74	-0.14	14.50	3.00
367	3.67	1.31	86.64	-8.72	6.59	1.31	6.62	3.00	3.12	18.22	61.28	0.00	61.28	20.35	6.95	-0.01	3.00	1.00	1.65	2.99	20.35	-0.14	14.36	3.00
368	3.68	1.28	86.01	-8.72	6.74	1.28	6.73	3.00	3.13	18.21	61.46	0.00	61.46	19.80	7.07	-0.01	3.00	1.00	1.65	3.00	19.80	-0.14	14.19	3.00
369	3.69	1.26	85.48	-8.72	6.78	1.26	6.79	3.00	3.14	18.19	61.64	0.00	61.64	19.41	7.14	-0.01	3.00	1.00	1.64	3.01	19.41	-0.14	14.09	3.00
370	3.70	1.24	85.16	-8.72	6.84	1.24	6.88	3.00	3.15	18.18	61.82	0.00	61.82	19.03	7.24	-0.01	3.00	1.00	1.64	3.02	19.03	-0.14	13.97	3.00
371	3.71	1.23	85.54	-8.72	6.93	1.23	6.96	3.00	3.15	18.18	62.01	0.00	62.01	18.81	7.34	-0.01	3.00	1.00	1.63	3.03	18.81	-0.14	13.85	3.00
372	3.72	1.24	86.17	-8.72	6.95	1.24	6.96	3.00	3.15	18.20	62.19	0.00	62.19	18.91	7.33	-0.01	3.00	1.00	1.63	3.03	18.91	-0.14	13.86	3.00
373	3.73	1.23	86.01	-8.72	6.97	1.23	7.00	3.00	3.16	18.19	62.37	0.00	62.37	18.69	7.38	-0.01	3.00	1.00	1.62	3.03	18.69	-0.14	13.80	3.00
374	3.74	1.24	84.41	-8.82	6.81	1.24	6.82	3.00	3.15	18.17	62.55	0.00	62.55	18.79	7.18	-0.01	3.00	1.00	1.62	3.02	18.79	-0.14	14.05	3.00
375	3.75	1.23	83.02	-8.82	6.73	1.23	6.76	3.00	3.15	18.15	62.73	0.00	62.73	18.58	7.12	-0.01	3.00	1.00	1.62	3.02	18.58	-0.14	14.12	3.00
376	3.76	1.20	81.13	-8.82	6.75	1.20	6.77	3.00	3.15	18.11	62.91	0.00	62.91	18.04	7.15	-0.01	3.00	1.00	1.61	3.03	18.04	-0.14	14.10	3.00
377	3.77	1.18	81.09	-8.82	6.87	1.18	6.88	3.00	3.16	18.11	63.10	0.00	63.10	17.67	7.27	-0.01	3.00	1.00	1.61	3.05	17.67	-0.14	13.94	3.00
378	3.78	1.14	79.27	-8.82	6.97	1.14	6.96	3.00	3.18	18.07	63.28	0.00	63.28	16.99	7.37	-0.01	3.00	1.00	1.60	3.06	16.99	-0.14	13.82	3.00
379	3.79	1.14	77.66	-8.82	6.83	1.14	6.82	3.00	3.17	18.04	63.46	0.00	63.46	16.94	7.23	-0.01	3.00	1.00	1.60	3.06	16.94	-0.14	14.00	3.00
380	3.80	1.13	74.66	-8.82	6.59	1.13	6.62	3.00	3.17	18.00	63.64	0.00	63.64	16.73	7.01	-0.01	3.00	1.00	1.59	3.05	16.73	-0.14	14.27	3.00
381	3.81	1.13	74.10	-8.82	6.54	1.13	6.57	3.00	3.17	17.99	63.82	0.00	63.82	16.68	6.96	-0.01	3.00	1.00	1.59	3.05	16.68	-0.14	14.33	3.00
382	3.82	1.13	73.37	-8.72	6.51	1.13	6.50	3.00	3.16	17.98	64.00	0.00	64.00	16.63	6.89	-0.01	3.00	1.00	1.58	3.05	16.63	-0.14	14.42	3.00
383	3.83	1.12	71.79	-8.72	6.40	1.12	6.42	3.00	3.16	17.95	64.18	0.00	64.18	16.42	6.81	-0.01	3.00	1.00	1.58	3.05	16.42	-0.14	14.53	3.00
384	3.84	1.12	71.04	-8.63	6.33	1.12	6.35	3.00	3.16	17.93	64.36	0.00	64.36	16.38	6.74	-0.01	3.00	1.00	1.57	3.05	16.38	-0.13	14.62	3.00
385	3.85	1.12	70.82	-8.63	6.31	1.12	6.33	3.00	3.16	17.93	64.53	0.00	64.53	16.33	6.72	-0.01	3.00	1.00	1.57	3.05	16.33	-0.13	14.65	3.00
386	3.86	1.13	71.10	-8.63	6.31	1.13	6.30	3.00	3.15	17.94	64.71	0.00	64.71	16.43	6.69	-0.01	3.00	1.00	1.57	3.04	16.43	-0.13	14.70	3.00
387	3.87	1.14	71.23	-8.24	6.26	1.14	6.26	3.00	3.15	17.94	64.89	0.00	64.89	16.54	6.64	-0.01	3.00	1.00	1.56	3.04	16.54	-0.13	14.76	3.00
388	3.88	1.20	72.01	-7.57	6.02	1.20	6.01	3.00	3.12	17.98	65.07	0.00	65.07	17.42	6.35	-0.01	3.00	1.00	1.56	3.01	17.42	-0.12	15.18	3.00
389	3.89	1.23	72.46	-7.09	5.87	1.23	5.90	3.00	3.11	17.99	65.25	0.00	65.25	17.83	6.23	-0.01	3.00	1.00	1.55	3.00	17.83	-0.11	15.37	3.00
390	3.90	1.28	73.28	-7.00	5.72	1.28	5.73	3.00	3.09	18.02	65.43	0.00	65.43	18.54	6.04	-0.01	3.00	1.00	1.55	2.98	18.54	-0.11	15.68	3.00
391	3.91	1.28	73.28	-7.00	5.72	1.28	5.73	3.00	3.09	18.02	65.61	0.00	65.61	18.49	6.04	-0.01	3.00	1.00	1.54	2.98	18.49	-0.11	15.68	3.00
392	3.92	1.28	73.28	-7.00	5.72	1.28	5.73	3.00	3.09	18.02	65.79	0.00	65.79	18.43	6.04	-0.01	3.00	1.00	1.54	2.98	18.43	-0.11	15.68	3.00
393	3.93	1.45	63.37	-4.60	4.36	1.45	4.37	3.00	2.97	17.90	65.97	0.00	65.97	20.96	4.58	0.00	3.00	0.97	1.52	2.86	20.71	-0.07	18.62	3.00
394	3.94	1.42	62.65	-4.41	4.41	1.42	4.41	3.00	2.98	17.88	66.15	0.00	66.15	20.45	4.63	0.00	3.00	0.98	1.52	2.87	20.25	-0.07	18.47	3.00
395	3.95	1.41	63.00	-4.22	4.47	1.41	4.47	3.00	2.99	17.89	66.33	0.00	66.33	20.24	4.69	0.00	3.00	0.98	1.51	2.88	20.06	-0.06	18.32	3.00
396	3.96	1.40	63.00	-4.31	4.50	1.40	4.50	3.00	2.99	17.88	66.51	0.00	66.51	20.04	4.73	0.00	3.00	0.98	1.51	2.88	19.88	-0.06	18.22	3.00
397	3.97	1.39	63.75	-4.50	4.59	1.39	4.59	3.00	3.00	17.89	66.69	0.00	66.69	19.83	4.82	0.00	3.00	0.98	1.51	2.89	19.70	-0.07	18.00	3.00
398	3.98	1.38	64.67	-4.70	4.69	1.38	4.69	3.00	3.01	17.91	66.87	0.00	66.87	19.62	4.93	0.00	3.00	0.99	1.51	2.90	19.52	-0.07	17.76	3.00
399	3.99	1.38	65.58	-4.98	4.74	1.38	4.76	3.00	3.01	17.92	67.05	0.00	67.05	19.57	5.00	0.00	3.00	0.99	1.50	2.90	19.48	-0.07	17.61	3.00
400	4.00	1.37	67.32	-4.70	4.90	1.37	4.92	3.00	3.02	17.95	67.23	0.00	67.23	19.36	5.17	0.00	3.00	0.99	1.50	2.92	19.32	-0.07	17.26	3.00
401	4.01	1.38	68.86	-4.50	5.00	1.38	4.99	3.00	3.02	17.98	67.41	0.00	67.41	19.46	5.25	0.00	3.00	1.00	1.50	2.92	19.42	-0.07	17.11	3.00
402	4.02	1.40	71.76	-4.79	5.13	1.40	5.13	3.00	3.03	18.03	67.59	0.00	67.59	19.70	5.39	0.00	3.00	1.00	1.50	2.92	19.67	-0.07	16.86	3.00
403	4.03	1.43	73.69	-5.18	5.17	1.43	5.16	3.00	3.02	18.07	67.77	0.00	67.77	20.09	5.41	0.00	3.00	1.00	1.49	2.92	20.05	-0.08	16.83	3.00
404	4.04	1.44	75.77	-5.37	5.25	1.44	5.27	3.00	3.02	18.11	67.95	0.00	67.95	20.18	5.53	0.00	3.00	1.00	1.49	2.92	20.15	-0.08	16.62	3.00
405	4.05	1.47	78.07	-5.94	5.30	1.47	5.32	3.00	3.02	18.15	68.13	0.00	68.13	20.56	5.57	0.00	3.00	1.00	1.48	2.92	20.52	-0.09	16.55	3.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
406	4.06	1.49	79.14	-5.85	5.31	1.49	5.32	3.00	3.01	18.17	68.31	0.00	68.31	20.79	5.57	0.00	3.00	0.99	1.48	2.92	20.75	-0.09	16.57	3.00
407	4.07	1.49	82.58	-6.52	5.54	1.49	5.55	3.00	3.03	18.22	68.49	0.00	68.49	20.73	5.81	0.00	3.00	1.00	1.48	2.93	20.73	-0.10	16.13	3.00
408	4.08	1.46	84.82	-7.38	5.80	1.46	5.82	3.00	3.05	18.24	68.68	0.00	68.68	20.24	6.10	-0.01	3.00	1.00	1.48	2.95	20.24	-0.11	15.63	3.00
409	4.09	1.43	87.09	-6.13	6.11	1.43	6.10	3.00	3.07	18.26	68.86	0.00	68.86	19.75	6.40	0.00	3.00	1.00	1.47	2.97	19.75	-0.09	15.14	3.00
410	4.10	1.41	87.46	-5.46	6.20	1.41	6.21	3.00	3.08	18.26	69.04	0.00	69.04	19.41	6.53	0.00	3.00	1.00	1.47	2.98	19.41	-0.08	14.95	3.00
411	4.11	1.40	88.16	-5.46	6.28	1.40	6.30	3.00	3.08	18.27	69.22	0.00	69.22	19.21	6.63	0.00	3.00	1.00	1.46	2.99	19.21	-0.08	14.80	3.00
412	4.12	1.39	88.82	-5.27	6.37	1.39	6.40	3.00	3.09	18.27	69.41	0.00	69.41	19.01	6.73	0.00	3.00	1.00	1.46	3.00	19.01	-0.08	14.65	3.00
413	4.13	1.40	88.66	-5.08	6.31	1.40	6.34	3.00	3.08	18.28	69.59	0.00	69.59	19.10	6.67	0.00	3.00	1.00	1.46	2.99	19.10	-0.07	14.74	3.00
414	4.14	1.42	88.95	-4.03	6.28	1.42	6.27	3.00	3.08	18.28	69.77	0.00	69.77	19.34	6.59	0.00	3.00	1.00	1.45	2.99	19.34	-0.06	14.86	3.00
415	4.15	1.44	88.91	-4.03	6.17	1.44	6.18	3.00	3.07	18.29	69.95	0.00	69.95	19.57	6.49	0.00	3.00	1.00	1.45	2.98	19.57	-0.06	15.00	3.00
416	4.16	1.44	88.95	-3.93	6.17	1.44	6.18	3.00	3.07	18.29	70.14	0.00	70.14	19.52	6.50	0.00	3.00	1.00	1.44	2.98	19.52	-0.06	15.00	3.00
417	4.17	1.48	88.82	-4.41	5.98	1.48	6.01	3.00	3.05	18.30	70.32	0.00	70.32	20.03	6.30	0.00	3.00	1.00	1.44	2.96	20.03	-0.06	15.30	3.00
418	4.18	1.50	88.35	-4.89	5.91	1.50	5.89	3.00	3.04	18.30	70.50	0.00	70.50	20.26	6.18	0.00	3.00	1.00	1.44	2.95	20.26	-0.07	15.49	3.00
419	4.19	1.51	87.81	-5.27	5.81	1.51	5.82	3.00	3.04	18.29	70.69	0.00	70.69	20.35	6.11	0.00	3.00	1.00	1.43	2.95	20.35	-0.07	15.62	3.00
420	4.20	1.53	87.87	-5.08	5.75	1.53	5.75	3.00	3.03	18.30	70.87	0.00	70.87	20.57	6.03	0.00	3.00	1.00	1.43	2.94	20.57	-0.07	15.76	3.00
421	4.21	1.52	88.79	-5.27	5.83	1.52	5.85	3.00	3.03	18.31	71.05	0.00	71.05	20.38	6.13	0.00	3.00	1.00	1.43	2.95	20.38	-0.07	15.58	3.00
422	4.22	1.52	89.67	-5.08	5.91	1.52	5.90	3.00	3.04	18.32	71.24	0.00	71.24	20.32	6.19	0.00	3.00	1.00	1.42	2.95	20.32	-0.07	15.48	3.00
423	4.23	1.51	89.80	-5.27	5.94	1.51	5.95	3.00	3.04	18.32	71.42	0.00	71.42	20.13	6.25	0.00	3.00	1.00	1.42	2.96	20.13	-0.07	15.39	3.00
424	4.24	1.51	89.45	-5.85	5.94	1.51	5.93	3.00	3.04	18.31	71.60	0.00	71.60	20.07	6.22	0.00	3.00	1.00	1.42	2.96	20.07	-0.08	15.43	3.00
425	4.25	1.52	89.67	-6.23	5.89	1.52	5.90	3.00	3.04	18.32	71.79	0.00	71.79	20.16	6.20	0.00	3.00	1.00	1.41	2.96	20.16	-0.09	15.47	3.00
426	4.26	1.53	89.39	-5.46	5.83	1.53	5.85	3.00	3.03	18.32	71.97	0.00	71.97	20.24	6.14	0.00	3.00	1.00	1.41	2.95	20.24	-0.08	15.57	3.00
427	4.27	1.54	90.11	-4.79	5.86	1.54	5.86	3.00	3.03	18.33	72.15	0.00	72.15	20.33	6.14	0.00	3.00	1.00	1.40	2.95	20.33	-0.07	15.56	3.00
428	4.28	1.55	91.56	-4.60	5.89	1.55	5.91	3.00	3.03	18.35	72.34	0.00	72.34	20.41	6.20	0.00	3.00	1.00	1.40	2.95	20.41	-0.06	15.47	3.00
429	4.29	1.56	92.57	-3.74	5.94	1.56	5.94	3.00	3.03	18.37	72.52	0.00	72.52	20.50	6.23	0.00	3.00	1.00	1.40	2.95	20.50	-0.05	15.43	3.00
430	4.30	1.59	94.87	-4.41	5.96	1.59	5.97	3.00	3.03	18.40	72.70	0.00	72.70	20.86	6.26	0.00	3.00	1.00	1.39	2.95	20.86	-0.06	15.39	3.00
431	4.31	1.61	95.47	-4.89	5.94	1.61	5.93	3.00	3.02	18.41	72.89	0.00	72.89	21.07	6.22	0.00	3.00	1.00	1.39	2.94	21.07	-0.07	15.46	3.00
432	4.32	1.63	96.95	-5.85	5.95	1.63	5.95	3.00	3.02	18.44	73.07	0.00	73.07	21.29	6.23	0.00	3.00	1.00	1.39	2.94	21.29	-0.08	15.44	3.00
433	4.33	1.68	98.03	-8.91	5.85	1.68	5.84	3.00	3.00	18.46	73.26	0.00	73.26	21.91	6.11	-0.01	3.00	1.00	1.38	2.93	21.91	-0.12	15.65	3.00
434	4.34	1.68	98.59	-9.68	5.88	1.68	5.88	3.00	3.00	18.47	73.44	0.00	73.44	21.85	6.14	-0.01	3.00	1.00	1.38	2.93	21.85	-0.13	15.59	3.00
435	4.35	1.68	100.61	-12.75	6.00	1.68	6.00	3.00	3.01	18.49	73.63	0.00	73.63	21.78	6.27	-0.01	3.00	1.00	1.38	2.94	21.78	-0.17	15.38	3.00
436	4.36	1.68	100.96	-13.71	6.00	1.68	6.02	3.00	3.01	18.49	73.81	0.00	73.81	21.72	6.30	-0.01	3.00	1.00	1.37	2.94	21.72	-0.19	15.34	3.00
437	4.37	1.72	101.72	-15.05	5.91	1.72	5.92	3.00	3.00	18.51	74.00	0.00	74.00	22.20	6.19	-0.01	3.00	1.00	1.37	2.93	22.20	-0.20	15.52	3.00
438	4.38	1.73	101.75	-15.53	5.88	1.73	5.89	3.00	3.00	18.51	74.18	0.00	74.18	22.28	6.16	-0.01	3.00	1.00	1.37	2.92	22.28	-0.21	15.58	3.00
439	4.39	1.77	101.68	-16.10	5.73	1.77	5.76	3.00	2.98	18.52	74.37	0.00	74.37	22.76	6.01	-0.01	3.00	0.99	1.36	2.91	22.72	-0.22	15.84	3.00
440	4.40	1.80	101.40	-16.29	5.63	1.80	5.64	3.00	2.97	18.53	74.55	0.00	74.55	23.10	5.89	-0.01	3.00	0.99	1.36	2.90	23.03	-0.22	16.06	3.00
441	4.41	1.82	100.77	-14.95	5.53	1.82	5.55	3.00	2.96	18.52	74.74	0.00	74.74	23.31	5.78	-0.01	3.00	0.99	1.35	2.89	23.23	-0.20	16.26	3.00
442	4.42	1.83	99.95	-16.58	5.47	1.83	5.47	3.00	2.96	18.52	74.92	0.00	74.92	23.38	5.71	-0.01	3.00	0.99	1.35	2.89	23.28	-0.22	16.41	3.00
443	4.43	1.82	99.00	-14.86	5.45	1.82	5.45	3.00	2.96	18.50	75.11	0.00	75.11	23.19	5.68	-0.01	3.00	0.99	1.34	2.89	23.10	-0.20	16.44	3.00
444	4.44	1.82	98.97	-13.32	5.45	1.82	5.45	3.00	2.96	18.50	75.29	0.00	75.29	23.14	5.68	-0.01	3.00	0.99	1.34	2.89	23.05	-0.18	16.45	3.00
445	4.45	1.83	96.83	-10.45	5.29	1.83	5.30	3.00	2.95	18.48	75.48	0.00	75.48	23.22	5.53	-0.01	3.00	0.98	1.34	2.88	23.11	-0.14	16.75	3.00
446	4.46	1.84	96.04	-8.34	5.23	1.84	5.22	3.00	2.94	18.47	75.66	0.00	75.66	23.30	5.45	0.00	3.00	0.98	1.33	2.87	23.18	-0.11	16.90	3.00
447	4.47	1.83	95.25	-7.28	5.20	1.83	5.21	3.00	2.94	18.46	75.85	0.00	75.85	23.11	5.43	0.00	3.00	0.98	1.33	2.88	22.99	-0.10	16.92	3.00
448	4.48	1.81	94.72	-2.30	5.23	1.81	5.23	3.00	2.95	18.45	76.03	0.00	76.03	22.80	5.46	0.00	3.00	0.99	1.33	2.88	22.70	-0.03	16.85	3.00
449	4.49	1.80	94.56	-4.22	5.25	1.80	5.26	3.00	2.95	18.45	76.21	0.00	76.21	22.61	5.49	0.00	3.00	0.99	1.32	2.88	22.52	-0.06	16.80	3.00
450	4.50	1.79	92.79	-12.75	5.17	1.79	5.19	3.00	2.95	18.42	76.40	0.00	76.40	22.39	5.42	-0.01	3.00	0.99	1.32	2.88	22.31	-0.17	16.92	3.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
451	4.51	1.80	91.34	-14.76	5.08	1.80	5.08	3.00	2.94	18.41	76.58	0.00	76.58	22.46	5.31	-0.01	3.00	0.98	1.32	2.88	22.36	-0.19	17.15	3.00
452	4.52	1.78	89.26	-13.51	5.00	1.78	5.02	3.00	2.94	18.38	76.77	0.00	76.77	22.15	5.25	-0.01	3.00	0.98	1.31	2.88	22.06	-0.18	17.25	3.00
453	4.53	1.78	88.06	-13.03	4.95	1.78	4.95	3.00	2.94	18.36	76.95	0.00	76.95	22.10	5.18	-0.01	3.00	0.98	1.31	2.88	22.00	-0.17	17.40	3.00
454	4.54	1.78	86.17	-12.27	4.85	1.78	4.85	3.00	2.93	18.33	77.13	0.00	77.13	22.04	5.07	-0.01	3.00	0.98	1.31	2.87	21.93	-0.16	17.63	3.00
455	4.55	1.79	86.04	-12.56	4.81	1.79	4.81	3.00	2.93	18.33	77.32	0.00	77.32	22.12	5.03	-0.01	3.00	0.98	1.30	2.87	22.00	-0.16	17.71	3.00
456	4.56	1.81	85.89	-13.99	4.74	1.81	4.75	3.00	2.92	18.34	77.50	0.00	77.50	22.32	4.97	-0.01	3.00	0.98	1.30	2.86	22.19	-0.18	17.86	3.00
457	4.57	1.82	85.60	-14.95	4.70	1.82	4.71	3.00	2.91	18.34	77.68	0.00	77.68	22.39	4.92	-0.01	3.00	0.98	1.30	2.86	22.25	-0.19	17.97	3.00
458	4.58	1.83	84.88	-14.95	4.65	1.83	4.65	3.00	2.91	18.33	77.87	0.00	77.87	22.46	4.85	-0.01	3.00	0.98	1.29	2.85	22.31	-0.19	18.12	3.00
459	4.59	1.84	82.36	-14.76	4.48	1.84	4.48	3.00	2.90	18.30	78.05	0.00	78.05	22.53	4.68	-0.01	3.00	0.97	1.29	2.84	22.36	-0.19	18.52	3.00
460	4.60	1.85	81.76	-12.65	4.42	1.85	4.43	3.00	2.89	18.29	78.23	0.00	78.23	22.61	4.62	-0.01	3.00	0.97	1.28	2.84	22.43	-0.16	18.67	3.00
461	4.61	1.87	78.32	-12.36	4.19	1.87	4.19	3.00	2.87	18.24	78.42	0.00	78.42	22.81	4.38	-0.01	3.00	0.96	1.28	2.82	22.60	-0.16	19.30	3.00
462	4.62	1.86	73.94	-11.02	3.98	1.86	3.98	3.00	2.86	18.18	78.60	0.00	78.60	22.64	4.16	-0.01	3.00	0.96	1.28	2.81	22.40	-0.14	19.87	3.00
463	4.63	1.86	71.54	-10.45	3.84	1.86	3.85	3.00	2.85	18.14	78.78	0.00	78.78	22.58	4.02	-0.01	3.00	0.95	1.27	2.80	22.33	-0.13	20.23	3.00
464	4.64	1.87	68.92	-10.25	3.69	1.87	3.69	3.00	2.84	18.10	78.96	0.00	78.96	22.66	3.85	-0.01	3.00	0.95	1.27	2.78	22.38	-0.13	20.73	3.00
465	4.65	1.89	65.05	-10.35	3.44	1.89	3.45	3.00	2.82	18.03	79.14	0.00	79.14	22.85	3.60	-0.01	4.00	0.94	1.26	2.76	22.53	-0.13	21.54	3.00
466	4.66	1.89	63.66	-10.25	3.37	1.89	3.37	4.00	2.81	18.01	79.32	0.00	79.32	22.80	3.52	-0.01	4.00	0.94	1.26	2.76	22.47	-0.13	21.78	3.00
467	4.67	1.89	62.27	-10.35	3.29	1.89	3.30	4.00	2.80	17.98	79.50	0.00	79.50	22.75	3.44	-0.01	4.00	0.94	1.26	2.75	22.41	-0.13	22.02	3.00
468	4.68	1.90	60.29	-9.68	3.17	1.90	3.18	4.00	2.79	17.95	79.68	0.00	79.68	22.82	3.32	-0.01	4.00	0.93	1.25	2.74	22.46	-0.12	22.47	5.00
469	4.69	1.91	60.03	-9.68	3.15	1.91	3.15	4.00	2.79	17.95	79.86	0.00	79.86	22.89	3.28	-0.01	4.00	0.93	1.25	2.74	22.53	-0.12	22.59	5.00
470	4.70	1.91	59.62	-9.68	3.13	1.91	3.12	4.00	2.79	17.94	80.04	0.00	80.04	22.84	3.26	-0.01	4.00	0.93	1.25	2.74	22.48	-0.12	22.66	5.00
471	4.71	1.91	58.74	-9.68	3.08	1.91	3.08	4.00	2.78	17.92	80.22	0.00	80.22	22.78	3.21	-0.01	4.00	0.93	1.24	2.73	22.42	-0.12	22.82	5.00
472	4.72	1.90	58.61	-9.68	3.08	1.90	3.09	4.00	2.78	17.92	80.40	0.00	80.40	22.61	3.22	-0.01	4.00	0.93	1.24	2.74	22.26	-0.12	22.75	5.00
473	4.73	1.90	58.20	-9.68	3.06	1.90	3.07	4.00	2.78	17.91	80.58	0.00	80.58	22.56	3.20	-0.01	4.00	0.93	1.24	2.74	22.21	-0.12	22.82	5.00
474	4.74	1.87	55.62	-9.78	2.97	1.87	2.98	4.00	2.78	17.85	80.75	0.00	80.75	22.13	3.11	-0.01	4.00	0.93	1.24	2.73	21.79	-0.12	23.07	5.00
475	4.75	1.87	54.74	-9.68	2.92	1.87	2.93	4.00	2.78	17.83	80.93	0.00	80.93	22.08	3.06	-0.01	4.00	0.93	1.23	2.73	21.74	-0.12	23.24	5.00
476	4.76	1.87	53.76	-9.68	2.88	1.87	2.88	4.00	2.77	17.81	81.11	0.00	81.11	22.03	3.01	-0.01	4.00	0.93	1.23	2.73	21.69	-0.12	23.43	5.00
477	4.77	1.85	53.19	-9.68	2.88	1.85	2.88	4.00	2.77	17.79	81.29	0.00	81.29	21.73	3.01	-0.01	4.00	0.93	1.23	2.73	21.41	-0.12	23.36	5.00
478	4.78	1.83	53.57	-9.68	2.92	1.83	2.93	4.00	2.78	17.80	81.47	0.00	81.47	21.44	3.07	-0.01	4.00	0.93	1.23	2.74	21.13	-0.12	23.09	5.00
479	4.79	1.83	54.33	-9.68	2.97	1.83	2.97	4.00	2.79	17.81	81.64	0.00	81.64	21.39	3.11	-0.01	4.00	0.94	1.22	2.75	21.10	-0.12	22.93	5.00
480	4.80	1.82	54.55	-9.68	3.00	1.82	3.00	4.00	2.79	17.82	81.82	0.00	81.82	21.22	3.14	-0.01	4.00	0.94	1.22	2.75	20.94	-0.12	22.78	5.00
481	4.81	1.82	54.39	-9.58	3.00	1.82	2.99	4.00	2.79	17.81	82.00	0.00	82.00	21.17	3.13	-0.01	4.00	0.94	1.22	2.75	20.90	-0.12	22.81	5.00
482	4.82	1.84	53.70	-9.58	2.92	1.84	2.92	4.00	2.78	17.80	82.18	0.00	82.18	21.37	3.06	-0.01	4.00	0.94	1.22	2.74	21.08	-0.12	23.11	5.00
483	4.83	1.86	52.47	-9.58	2.81	1.86	2.82	4.00	2.77	17.78	82.36	0.00	82.36	21.56	2.96	-0.01	4.00	0.93	1.21	2.73	21.25	-0.12	23.53	5.00
484	4.84	1.89	50.70	-9.58	2.68	1.89	2.69	4.00	2.75	17.75	82.53	0.00	82.53	21.88	2.81	-0.01	4.00	0.92	1.21	2.71	21.54	-0.12	24.17	5.00
485	4.85	1.93	49.31	-9.58	2.56	1.93	2.56	4.00	2.73	17.72	82.71	0.00	82.71	22.31	2.67	-0.01	4.00	0.92	1.20	2.69	21.93	-0.12	24.83	5.00
486	4.86	1.99	46.22	-9.49	2.33	1.99	2.32	4.00	2.69	17.66	82.89	0.00	82.89	22.98	2.43	0.00	4.00	0.90	1.20	2.66	22.54	-0.11	26.10	5.00
487	4.87	2.01	45.84	-9.49	2.28	2.01	2.28	4.00	2.69	17.66	83.06	0.00	83.06	23.17	2.38	0.00	4.00	0.90	1.20	2.65	22.72	-0.11	26.36	5.00
488	4.88	2.10	45.69	-9.39	2.18	2.10	2.18	4.00	2.66	17.67	83.24	0.00	83.24	24.20	2.27	0.00	4.00	0.89	1.19	2.62	23.69	-0.11	27.23	5.00
489	4.89	2.13	45.75	-9.30	2.15	2.13	2.15	4.00	2.65	17.68	83.42	0.00	83.42	24.51	2.24	0.00	4.00	0.89	1.19	2.61	23.98	-0.11	27.48	5.00
490	4.90	2.14	46.22	-9.30	2.16	2.14	2.16	4.00	2.65	17.69	83.59	0.00	83.59	24.58	2.25	0.00	4.00	0.89	1.19	2.61	24.05	-0.11	27.44	5.00
491	4.91	2.14	46.22	-9.30	2.16	2.14	2.16	4.00	2.65	17.69	83.77	0.00	83.77	24.52	2.25	0.00	4.00	0.89	1.18	2.62	24.00	-0.11	27.42	5.00
492	4.92	2.14	46.22	-9.30	2.16	2.14	2.16	4.00	2.65	17.69	83.95	0.00	83.95	24.47	2.25	0.00	4.00	0.89	1.18	2.62	23.96	-0.11	27.41	5.00
493	4.93	2.08	44.52	-9.01	2.14	2.08	2.14	4.00	2.66	17.63	84.13	0.00	84.13	23.70	2.23	0.00	4.00	0.89	1.18	2.62	23.23	-0.11	27.27	5.00
494	4.94	2.05	45.15	-9.10	2.20	2.05	2.20	4.00	2.67	17.65	84.30	0.00	84.30	23.29	2.30	0.00	4.00	0.90	1.18	2.64	22.86	-0.11	26.81	5.00
495	4.95	2.03	48.46	-9.10	2.39	2.03	2.39	4.00	2.69	17.72	84.48	0.00	84.48	23.01	2.49	0.00	4.00	0.91	1.18	2.66	22.62	-0.11	25.81	5.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
496	4.96	2.03	50.38	-9.10	2.48	2.03	2.48	4.00	2.70	17.77	84.66	0.00	84.66	22.96	2.59	0.00	4.00	0.91	1.18	2.67	22.59	-0.11	25.35	5.00
497	4.97	2.02	55.15	-9.10	2.73	2.02	2.73	4.00	2.73	17.87	84.84	0.00	84.84	22.79	2.85	0.00	4.00	0.92	1.18	2.70	22.47	-0.11	24.21	5.00
498	4.98	2.01	57.20	-9.10	2.84	2.01	2.85	4.00	2.74	17.91	85.01	0.00	85.01	22.62	2.97	0.00	4.00	0.93	1.18	2.71	22.33	-0.11	23.70	5.00
499	4.99	2.01	58.71	-9.10	2.92	2.01	2.92	4.00	2.75	17.94	85.19	0.00	85.19	22.57	3.05	0.00	4.00	0.93	1.17	2.72	22.30	-0.11	23.39	5.00
500	5.00	2.01	59.21	-9.01	2.95	2.01	2.95	4.00	2.75	17.95	85.37	0.00	85.37	22.52	3.08	0.00	4.00	0.93	1.17	2.72	22.25	-0.11	23.28	5.00
501	5.01	2.02	59.65	-9.10	2.95	2.02	2.96	4.00	2.75	17.96	85.55	0.00	85.55	22.59	3.09	0.00	4.00	0.93	1.17	2.72	22.32	-0.11	23.27	5.00
502	5.02	2.01	58.39	-9.10	2.90	2.01	2.91	4.00	2.75	17.93	85.73	0.00	85.73	22.42	3.04	0.00	4.00	0.93	1.17	2.72	22.16	-0.11	23.42	5.00
503	5.03	2.02	58.80	-9.01	2.91	2.02	2.91	4.00	2.75	17.94	85.91	0.00	85.91	22.49	3.04	0.00	4.00	0.93	1.17	2.72	22.23	-0.10	23.41	5.00
504	5.04	2.03	58.93	-9.01	2.90	2.03	2.91	4.00	2.75	17.95	86.09	0.00	86.09	22.56	3.03	0.00	4.00	0.93	1.16	2.72	22.30	-0.10	23.46	5.00
505	5.05	2.02	58.65	-9.01	2.90	2.02	2.91	4.00	2.75	17.94	86.27	0.00	86.27	22.39	3.04	0.00	4.00	0.93	1.16	2.72	22.14	-0.10	23.42	5.00
506	5.06	2.02	58.17	-9.01	2.88	2.02	2.88	4.00	2.74	17.93	86.45	0.00	86.45	22.34	3.01	0.00	4.00	0.93	1.16	2.72	22.10	-0.10	23.51	5.00
507	5.07	1.99	56.50	-9.01	2.84	1.99	2.84	4.00	2.75	17.89	86.63	0.00	86.63	21.95	2.97	0.00	4.00	0.93	1.16	2.72	21.71	-0.10	23.58	5.00
508	5.08	1.99	54.74	-9.01	2.76	1.99	2.75	4.00	2.74	17.86	86.81	0.00	86.81	21.90	2.88	0.00	4.00	0.93	1.15	2.72	21.66	-0.10	23.92	5.00
509	5.09	1.98	53.03	-8.91	2.68	1.98	2.68	4.00	2.73	17.82	86.99	0.00	86.99	21.74	2.80	0.00	4.00	0.93	1.15	2.71	21.50	-0.10	24.18	5.00
510	5.10	1.94	50.10	-9.01	2.58	1.94	2.58	4.00	2.73	17.74	87.16	0.00	87.16	21.24	2.71	0.00	4.00	0.93	1.15	2.71	21.00	-0.10	24.44	5.00
511	5.11	1.93	49.16	-9.01	2.55	1.93	2.55	4.00	2.73	17.72	87.34	0.00	87.34	21.08	2.67	0.00	4.00	0.93	1.15	2.71	20.84	-0.10	24.54	5.00
512	5.12	1.88	46.00	-9.01	2.45	1.88	2.45	4.00	2.73	17.63	87.52	0.00	87.52	20.46	2.57	-0.01	4.00	0.93	1.15	2.71	20.24	-0.10	24.79	5.00
513	5.13	1.86	44.77	-9.01	2.41	1.86	2.41	4.00	2.73	17.60	87.69	0.00	87.69	20.19	2.53	-0.01	4.00	0.93	1.14	2.71	19.97	-0.10	24.87	5.00
514	5.14	1.85	43.98	-9.01	2.38	1.85	2.38	4.00	2.73	17.58	87.87	0.00	87.87	20.03	2.50	-0.01	4.00	0.93	1.14	2.71	19.82	-0.10	24.95	5.00
515	5.15	1.83	42.72	-9.01	2.34	1.83	2.34	4.00	2.72	17.54	88.04	0.00	88.04	19.76	2.46	-0.01	4.00	0.93	1.14	2.71	19.56	-0.10	25.05	5.00
516	5.16	1.82	41.81	-9.01	2.30	1.82	2.30	4.00	2.72	17.51	88.22	0.00	88.22	19.61	2.42	-0.01	4.00	0.93	1.14	2.71	19.41	-0.10	25.15	5.00
517	5.17	1.81	40.86	-9.01	2.26	1.81	2.26	4.00	2.72	17.48	88.39	0.00	88.39	19.46	2.38	-0.01	4.00	0.92	1.13	2.71	19.26	-0.10	25.27	5.00
518	5.18	1.79	37.99	-9.01	2.12	1.79	2.12	4.00	2.71	17.39	88.57	0.00	88.57	19.19	2.24	-0.01	4.00	0.92	1.13	2.70	18.99	-0.10	25.78	4.00
519	5.19	1.79	36.70	-9.01	2.05	1.79	2.05	4.00	2.70	17.36	88.74	0.00	88.74	19.15	2.16	-0.01	4.00	0.92	1.13	2.69	18.94	-0.10	26.10	4.00
520	5.20	1.80	34.87	-9.01	1.94	1.80	1.94	4.00	2.68	17.30	88.91	0.00	88.91	19.22	2.04	-0.01	4.00	0.91	1.13	2.67	19.00	-0.10	26.66	4.00
521	5.21	1.83	34.27	-8.91	1.88	1.83	1.87	4.00	2.67	17.28	89.09	0.00	89.09	19.52	1.97	-0.01	4.00	0.91	1.12	2.66	19.29	-0.10	27.12	4.00
522	5.22	1.87	33.39	-8.91	1.78	1.87	1.79	4.00	2.65	17.26	89.26	0.00	89.26	19.93	1.88	-0.01	4.00	0.90	1.12	2.64	19.68	-0.10	27.75	4.00
523	5.23	1.89	33.61	-8.91	1.78	1.89	1.78	4.00	2.65	17.27	89.43	0.00	89.43	20.11	1.87	0.00	4.00	0.90	1.12	2.63	19.86	-0.10	27.88	4.00
524	5.24	1.94	33.48	-8.82	1.73	1.94	1.73	4.00	2.63	17.28	89.60	0.00	89.60	20.63	1.81	0.00	4.00	0.89	1.12	2.62	20.36	-0.10	28.41	4.00
525	5.25	1.95	33.04	-8.82	1.70	1.95	1.70	4.00	2.62	17.27	89.78	0.00	89.78	20.70	1.78	0.00	4.00	0.89	1.11	2.61	20.43	-0.10	28.62	4.00
526	5.26	1.97	32.73	-8.82	1.66	1.97	1.66	4.00	2.61	17.26	89.95	0.00	89.95	20.88	1.74	0.00	4.00	0.89	1.11	2.60	20.60	-0.10	28.90	4.00
527	5.27	1.99	31.85	-8.72	1.60	1.99	1.60	4.00	2.60	17.23	90.12	0.00	90.12	21.06	1.68	0.00	4.00	0.88	1.11	2.59	20.77	-0.10	29.35	4.00
528	5.28	1.99	31.31	-8.82	1.58	1.99	1.57	4.00	2.60	17.21	90.29	0.00	90.29	21.02	1.65	0.00	4.00	0.88	1.11	2.59	20.73	-0.10	29.49	4.00
529	5.29	1.98	31.34	-8.82	1.58	1.98	1.58	4.00	2.60	17.21	90.47	0.00	90.47	20.87	1.66	0.00	4.00	0.88	1.11	2.59	20.59	-0.10	29.36	4.00
530	5.30	1.99	31.85	-8.72	1.60	1.99	1.60	4.00	2.60	17.23	90.64	0.00	90.64	20.93	1.68	0.00	4.00	0.88	1.10	2.59	20.66	-0.10	29.29	4.00
531	5.31	1.99	32.13	-8.72	1.61	1.99	1.62	4.00	2.60	17.24	90.81	0.00	90.81	20.89	1.69	0.00	4.00	0.88	1.10	2.60	20.63	-0.10	29.19	4.00
532	5.32	1.99	32.48	-8.72	1.63	1.99	1.63	4.00	2.61	17.26	90.98	0.00	90.98	20.85	1.71	0.00	4.00	0.89	1.10	2.60	20.60	-0.10	29.07	4.00
533	5.33	1.99	32.70	-8.72	1.65	1.99	1.64	4.00	2.61	17.26	91.16	0.00	91.16	20.81	1.72	0.00	4.00	0.89	1.10	2.60	20.56	-0.10	28.98	4.00
534	5.34	1.98	33.04	-8.72	1.67	1.98	1.67	4.00	2.61	17.27	91.33	0.00	91.33	20.66	1.75	0.00	4.00	0.89	1.10	2.61	20.42	-0.10	28.77	4.00
535	5.35	1.98	33.36	-8.63	1.68	1.98	1.69	4.00	2.62	17.28	91.50	0.00	91.50	20.62	1.77	0.00	4.00	0.89	1.10	2.61	20.39	-0.09	28.66	4.00
536	5.36	1.98	33.83	-8.63	1.71	1.98	1.71	4.00	2.62	17.30	91.68	0.00	91.68	20.58	1.79	0.00	4.00	0.89	1.09	2.62	20.36	-0.09	28.50	4.00
537	5.37	1.98	34.37	-8.63	1.74	1.98	1.74	4.00	2.62	17.32	91.85	0.00	91.85	20.54	1.82	0.00	4.00	0.89	1.09	2.62	20.32	-0.09	28.33	4.00
538	5.38	1.98	34.78	-8.63	1.76	1.98	1.76	4.00	2.63	17.33	92.02	0.00	92.02	20.50	1.84	0.00	4.00	0.90	1.09	2.62	20.29	-0.09	28.20	4.00
539	5.39	1.97	35.16	-8.63	1.78	1.97	1.79	4.00	2.63	17.34	92.20	0.00	92.20	20.35	1.87	0.00	4.00	0.90	1.09	2.63	20.15	-0.09	27.98	4.00
540	5.40	1.94	37.17	-8.63	1.91	1.94	1.92	4.00	2.65	17.40	92.37	0.00	92.37	19.98	2.01	0.00	4.00	0.91	1.09	2.65	19.81	-0.09	27.13	4.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
541	5.41	1.94	38.69	-8.63	1.99	1.94	2.00	4.00	2.66	17.45	92.54	0.00	92.54	19.94	2.10	0.00	4.00	0.91	1.09	2.66	19.78	-0.09	26.72	4.00
542	5.42	1.91	43.23	-8.63	2.26	1.91	2.27	4.00	2.70	17.57	92.72	0.00	92.72	19.58	2.38	0.00	4.00	0.93	1.09	2.70	19.45	-0.09	25.32	5.00
543	5.43	1.90	45.40	-8.63	2.39	1.90	2.39	4.00	2.72	17.62	92.90	0.00	92.90	19.43	2.51	0.00	4.00	0.93	1.08	2.72	19.32	-0.09	24.72	5.00
544	5.44	1.88	47.39	-8.63	2.52	1.88	2.52	4.00	2.73	17.67	93.07	0.00	93.07	19.18	2.65	0.00	4.00	0.94	1.08	2.74	19.08	-0.09	24.10	5.00
545	5.45	1.88	52.15	-8.63	2.77	1.88	2.78	4.00	2.76	17.78	93.25	0.00	93.25	19.14	2.92	0.00	4.00	0.95	1.08	2.76	19.06	-0.09	23.12	5.00
546	5.46	1.90	54.58	-8.63	2.88	1.90	2.88	4.00	2.77	17.83	93.43	0.00	93.43	19.32	3.02	0.00	4.00	0.95	1.08	2.77	19.24	-0.09	22.81	5.00
547	5.47	1.91	57.35	-8.53	3.01	1.91	3.01	4.00	2.78	17.89	93.61	0.00	93.61	19.39	3.16	0.00	4.00	0.96	1.08	2.78	19.32	-0.09	22.37	5.00
548	5.48	1.90	58.46	-8.53	3.08	1.90	3.08	4.00	2.78	17.91	93.79	0.00	93.79	19.24	3.24	0.00	4.00	0.96	1.08	2.79	19.18	-0.09	22.08	5.00
549	5.49	1.89	60.85	-8.53	3.23	1.89	3.22	4.00	2.80	17.96	93.97	0.00	93.97	19.09	3.39	0.00	4.00	0.96	1.08	2.80	19.04	-0.09	21.58	3.00
550	5.50	1.87	62.56	-8.53	3.34	1.87	3.35	4.00	2.81	17.99	94.15	0.00	94.15	18.84	3.53	0.00	3.00	0.97	1.07	2.82	18.80	-0.09	21.13	3.00
551	5.51	1.80	63.12	-8.53	3.51	1.80	3.51	3.00	2.84	17.98	94.33	0.00	94.33	18.06	3.70	-0.01	3.00	0.98	1.07	2.85	18.04	-0.09	20.49	3.00
552	5.52	1.78	63.72	-8.53	3.58	1.78	3.58	3.00	2.85	17.99	94.51	0.00	94.51	17.82	3.78	-0.01	3.00	0.98	1.07	2.86	17.80	-0.09	20.24	3.00
553	5.53	1.77	63.69	-8.53	3.60	1.77	3.60	3.00	2.85	17.98	94.69	0.00	94.69	17.67	3.81	-0.01	3.00	0.99	1.07	2.86	17.66	-0.09	20.16	3.00
554	5.54	1.78	63.78	-8.53	3.59	1.78	3.59	3.00	2.85	17.99	94.87	0.00	94.87	17.74	3.79	-0.01	3.00	0.99	1.07	2.86	17.73	-0.09	20.21	3.00
555	5.55	1.78	63.56	-8.53	3.57	1.78	3.57	3.00	2.85	17.98	95.05	0.00	95.05	17.71	3.78	-0.01	3.00	0.99	1.07	2.86	17.69	-0.09	20.24	3.00
556	5.56	1.81	63.34	-8.43	3.51	1.81	3.50	3.00	2.83	17.99	95.23	0.00	95.23	17.99	3.70	0.00	3.00	0.98	1.06	2.85	17.97	-0.09	20.50	3.00
557	5.57	1.83	63.94	-8.43	3.49	1.83	3.50	3.00	2.83	18.00	95.41	0.00	95.41	18.16	3.69	0.00	3.00	0.98	1.06	2.84	18.14	-0.09	20.55	3.00
558	5.58	1.92	66.28	-8.34	3.46	1.92	3.46	4.00	2.81	18.06	95.59	0.00	95.59	19.07	3.64	0.00	3.00	0.97	1.06	2.82	19.04	-0.09	20.86	3.00
559	5.59	1.96	66.84	-8.24	3.41	1.96	3.41	4.00	2.80	18.08	95.77	0.00	95.77	19.45	3.59	0.00	3.00	0.97	1.06	2.81	19.41	-0.09	21.06	3.00
560	5.60	1.98	67.03	-8.24	3.38	1.98	3.39	4.00	2.80	18.09	95.95	0.00	95.95	19.62	3.56	0.00	3.00	0.97	1.05	2.81	19.58	-0.09	21.17	3.00
561	5.61	2.00	66.84	-8.24	3.35	2.00	3.34	4.00	2.79	18.09	96.13	0.00	96.13	19.79	3.51	0.00	4.00	0.96	1.05	2.80	19.75	-0.09	21.34	3.00
562	5.62	1.97	63.06	-8.24	3.20	1.97	3.20	4.00	2.78	18.01	96.31	0.00	96.31	19.44	3.37	0.00	4.00	0.96	1.05	2.80	19.40	-0.09	21.72	3.00
563	5.63	1.94	61.14	-8.24	3.14	1.94	3.15	4.00	2.78	17.97	96.49	0.00	96.49	19.09	3.32	0.00	4.00	0.96	1.05	2.80	19.05	-0.09	21.80	3.00
564	5.64	1.89	59.56	-8.24	3.16	1.89	3.15	4.00	2.79	17.93	96.67	0.00	96.67	18.53	3.32	0.00	4.00	0.97	1.05	2.81	18.51	-0.09	21.67	3.00
565	5.65	1.79	57.86	-8.34	3.23	1.79	3.24	4.00	2.82	17.88	96.85	0.00	96.85	17.46	3.42	0.00	3.00	0.98	1.05	2.84	17.45	-0.09	21.16	3.00
566	5.66	1.76	58.36	-8.34	3.32	1.76	3.32	3.00	2.83	17.88	97.03	0.00	97.03	17.12	3.51	-0.01	3.00	0.98	1.04	2.85	17.11	-0.09	20.84	3.00
567	5.67	1.74	60.88	-8.34	3.51	1.74	3.50	3.00	2.85	17.93	97.20	0.00	97.20	16.88	3.71	-0.01	3.00	0.99	1.04	2.87	16.88	-0.09	20.27	3.00
568	5.68	1.72	62.37	-8.34	3.63	1.72	3.63	3.00	2.86	17.95	97.38	0.00	97.38	16.64	3.85	-0.01	3.00	1.00	1.04	2.88	16.64	-0.09	19.88	3.00
569	5.69	1.65	63.63	-8.24	3.86	1.65	3.86	3.00	2.89	17.96	97.56	0.00	97.56	15.89	4.10	-0.01	3.00	1.00	1.04	2.92	15.89	-0.08	19.15	3.00
570	5.70	1.59	64.51	-8.05	4.07	1.59	4.06	3.00	2.92	17.96	97.74	0.00	97.74	15.25	4.33	-0.01	3.00	1.00	1.04	2.95	15.25	-0.08	18.57	3.00
571	5.71	1.53	65.08	-7.67	4.26	1.53	4.26	3.00	2.94	17.95	97.92	0.00	97.92	14.61	4.55	-0.01	3.00	1.00	1.03	2.97	14.61	-0.08	18.03	3.00
572	5.72	1.40	67.51	-6.13	4.81	1.40	4.83	3.00	3.01	17.96	98.10	0.00	98.10	13.26	5.19	0.00	3.00	1.00	1.03	3.04	13.26	-0.06	16.75	3.00
573	5.73	1.36	69.40	-6.04	5.10	1.36	5.11	3.00	3.03	17.98	98.28	0.00	98.28	12.82	5.51	0.00	3.00	1.00	1.03	3.07	12.82	-0.06	16.23	3.00
574	5.74	1.30	69.84	-6.13	5.36	1.30	5.38	3.00	3.06	17.97	98.46	0.00	98.46	12.19	5.82	-0.01	3.00	1.00	1.03	3.10	12.19	-0.06	15.75	3.00
575	5.75	1.28	70.69	-6.23	5.51	1.28	5.53	3.00	3.08	17.98	98.64	0.00	98.64	11.96	5.99	-0.01	3.00	1.00	1.03	3.12	11.96	-0.06	15.50	3.00
576	5.76	1.31	73.18	-6.13	5.57	1.31	5.59	3.00	3.07	18.03	98.82	0.00	98.82	12.24	6.05	-0.01	3.00	1.00	1.03	3.11	12.24	-0.06	15.44	3.00
577	5.77	1.36	73.94	-6.04	5.43	1.36	5.44	3.00	3.05	18.06	99.00	0.00	99.00	12.72	5.87	0.00	3.00	1.00	1.02	3.09	12.72	-0.06	15.71	3.00
578	5.78	1.46	75.32	-5.75	5.17	1.46	5.16	3.00	3.01	18.10	99.18	0.00	99.18	13.71	5.54	0.00	3.00	1.00	1.02	3.05	13.71	-0.06	16.25	3.00
579	5.79	1.47	76.59	-5.65	5.21	1.47	5.21	3.00	3.01	18.13	99.36	0.00	99.36	13.78	5.59	0.00	3.00	1.00	1.02	3.05	13.78	-0.06	16.17	3.00
580	5.80	1.50	77.31	-5.56	5.15	1.50	5.16	3.00	3.00	18.14	99.55	0.00	99.55	14.06	5.52	0.00	3.00	1.00	1.02	3.04	14.06	-0.06	16.29	3.00
581	5.81	1.60	75.48	-5.46	4.71	1.60	4.72	3.00	2.96	18.14	99.73	0.00	99.73	15.03	5.03	0.00	3.00	1.00	1.02	2.99	15.03	-0.05	17.18	3.00
582	5.82	1.66	72.90	-5.37	4.39	1.66	4.39	3.00	2.93	18.12	99.91	0.00	99.91	15.60	4.68	0.00	3.00	1.00	1.01	2.96	15.60	-0.05	17.91	3.00
583	5.83	1.71	69.11	-5.37	4.03	1.71	4.04	3.00	2.89	18.07	100.09	0.00	100.09	16.07	4.30	0.00	3.00	1.00	1.01	2.93	16.07	-0.05	18.75	3.00
584	5.84	1.85	62.08	-5.27	3.36	1.85	3.36	4.00	2.82	17.97	100.27	0.00	100.27	17.44	3.55	0.00	3.00	0.98	1.01	2.85	17.44	-0.05	20.80	3.00
585	5.85	1.91	58.42	-5.18	3.06	1.91	3.06	4.00	2.78	17.91	100.45	0.00	100.45	18.00	3.23	0.00	4.00	0.97	1.01	2.81	18.00	-0.05	21.85	3.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
586	5.86	1.98	55.49	-5.18	2.81	1.98	2.80	4.00	2.74	17.87	100.63	0.00	100.63	18.67	2.95	0.00	4.00	0.96	1.01	2.77	18.66	-0.05	22.90	5.00
587	5.87	2.09	51.87	-5.18	2.48	2.09	2.48	4.00	2.69	17.81	100.81	0.00	100.81	19.72	2.61	0.00	4.00	0.94	1.00	2.72	19.72	-0.05	24.47	5.00
588	5.88	2.17	51.49	-5.08	2.37	2.17	2.37	4.00	2.67	17.82	100.98	0.00	100.98	20.48	2.49	0.00	4.00	0.93	1.00	2.70	20.47	-0.05	25.19	5.00
589	5.89	2.28	51.68	-5.08	2.27	2.28	2.27	4.00	2.64	17.84	101.16	0.00	101.16	21.53	2.37	0.00	4.00	0.92	1.00	2.67	21.52	-0.05	26.04	5.00
590	5.90	2.28	52.24	-5.08	2.30	2.28	2.29	4.00	2.64	17.85	101.34	0.00	101.34	21.49	2.40	0.00	4.00	0.92	1.00	2.67	21.49	-0.05	25.91	5.00
591	5.91	2.28	52.24	-5.08	2.30	2.28	2.29	4.00	2.64	17.85	101.52	0.00	101.52	21.45	2.40	0.00	4.00	0.92	1.00	2.67	21.45	-0.05	25.89	5.00
592	5.92	2.28	52.24	-5.08	2.30	2.28	2.29	4.00	2.64	17.85	101.70	0.00	101.70	21.41	2.40	0.00	4.00	0.92	1.00	2.67	21.42	-0.05	25.88	5.00
593	5.93	1.97	47.33	-5.46	2.41	1.97	2.40	4.00	2.71	17.68	101.87	0.00	101.87	18.33	2.54	0.00	4.00	0.94	0.99	2.74	18.33	-0.05	24.32	5.00
594	5.94	1.88	46.38	-5.56	2.47	1.88	2.47	4.00	2.73	17.64	102.05	0.00	102.05	17.41	2.61	0.00	4.00	0.95	0.99	2.77	17.42	-0.05	23.74	5.00
595	5.95	1.76	45.84	-5.65	2.61	1.76	2.61	4.00	2.77	17.60	102.23	0.00	102.23	16.21	2.77	0.00	4.00	0.97	0.99	2.81	16.21	-0.06	22.82	0.00
596	5.96	1.72	46.51	-5.75	2.70	1.72	2.71	4.00	2.78	17.61	102.40	0.00	102.40	15.78	2.88	0.00	4.00	0.98	0.99	2.82	15.79	-0.06	22.34	5.00
597	5.97	1.71	49.60	-5.65	2.90	1.71	2.90	4.00	2.80	17.68	102.58	0.00	102.58	15.66	3.09	0.00	3.00	0.98	0.99	2.85	15.66	-0.06	21.68	3.00
598	5.98	1.73	51.84	-5.65	3.00	1.73	3.00	4.00	2.81	17.74	102.76	0.00	102.76	15.82	3.19	0.00	3.00	0.99	0.99	2.85	15.83	-0.05	21.44	3.00
599	5.99	1.74	54.67	-5.56	3.15	1.74	3.14	4.00	2.82	17.80	102.93	0.00	102.93	15.89	3.34	0.00	3.00	0.99	0.98	2.86	15.89	-0.05	21.03	3.00
600	6.00	1.87	58.96	-4.89	3.15	1.87	3.15	4.00	2.80	17.92	103.11	0.00	103.11	17.13	3.34	0.00	3.00	0.98	0.98	2.84	17.13	-0.05	21.33	3.00
601	6.01	1.96	60.03	-4.50	3.06	1.96	3.06	4.00	2.77	17.96	103.29	0.00	103.29	17.97	3.23	0.00	4.00	0.97	0.98	2.81	17.98	-0.04	21.83	3.00
602	6.02	2.04	62.08	-4.41	3.04	2.04	3.04	4.00	2.76	18.01	103.47	0.00	103.47	18.71	3.21	0.00	4.00	0.97	0.98	2.79	18.72	-0.04	22.09	5.00
603	6.03	2.01	61.17	-4.50	3.05	2.01	3.04	4.00	2.76	17.99	103.65	0.00	103.65	18.38	3.21	0.00	4.00	0.97	0.98	2.80	18.40	-0.04	22.00	3.00
604	6.04	1.94	60.25	-4.60	3.10	1.94	3.11	4.00	2.78	17.96	103.83	0.00	103.83	17.67	3.28	0.00	4.00	0.98	0.98	2.82	17.68	-0.04	21.62	3.00
605	6.05	1.86	56.75	-4.60	3.05	1.86	3.05	4.00	2.79	17.87	104.01	0.00	104.01	16.87	3.23	0.00	3.00	0.98	0.97	2.83	16.88	-0.04	21.58	3.00
606	6.06	1.82	55.52	-4.70	3.05	1.82	3.05	4.00	2.80	17.84	104.19	0.00	104.19	16.46	3.24	0.00	3.00	0.98	0.97	2.84	16.47	-0.05	21.46	3.00
607	6.07	1.76	54.80	-4.70	3.11	1.76	3.12	4.00	2.81	17.81	104.37	0.00	104.37	15.85	3.31	0.00	3.00	0.99	0.97	2.86	15.86	-0.05	21.11	3.00
608	6.08	1.71	55.97	-4.70	3.27	1.71	3.27	3.00	2.84	17.82	104.55	0.00	104.55	15.35	3.49	0.00	3.00	1.00	0.97	2.89	15.35	-0.04	20.52	3.00
609	6.09	1.55	59.50	-4.70	3.83	1.55	3.84	3.00	2.91	17.86	104.73	0.00	104.73	13.79	4.12	0.00	3.00	1.00	0.97	2.97	13.79	-0.04	18.76	3.00
610	6.10	1.48	60.95	-4.60	4.10	1.48	4.12	3.00	2.95	17.87	104.90	0.00	104.90	13.10	4.44	0.00	3.00	1.00	0.97	3.00	13.10	-0.04	18.03	3.00
611	6.11	1.44	63.31	-4.50	4.41	1.44	4.40	3.00	2.97	17.90	105.08	0.00	105.08	12.69	4.75	0.00	3.00	1.00	0.96	3.03	12.69	-0.04	17.42	3.00
612	6.12	1.42	68.10	-4.41	4.81	1.42	4.80	3.00	3.00	17.98	105.26	0.00	105.26	12.48	5.18	0.00	3.00	1.00	0.96	3.06	12.48	-0.04	16.69	3.00
613	6.13	1.44	68.48	-4.31	4.77	1.44	4.76	3.00	3.00	17.99	105.44	0.00	105.44	12.65	5.13	0.00	3.00	1.00	0.96	3.06	12.65	-0.04	16.78	3.00
614	6.14	1.55	66.37	-4.12	4.27	1.55	4.28	3.00	2.94	17.98	105.62	0.00	105.62	13.67	4.60	0.00	3.00	1.00	0.96	3.00	13.67	-0.04	17.82	3.00
615	6.15	1.62	66.72	-3.93	4.11	1.62	4.12	3.00	2.92	18.00	105.80	0.00	105.80	14.30	4.41	0.00	3.00	1.00	0.96	2.97	14.30	-0.04	18.27	3.00
616	6.16	1.84	67.44	-3.64	3.67	1.84	3.67	3.00	2.84	18.07	105.98	0.00	105.98	16.35	3.89	0.00	3.00	1.00	0.96	2.89	16.35	-0.03	19.72	3.00
617	6.17	1.95	66.50	-3.55	3.40	1.95	3.41	4.00	2.80	18.07	106.16	0.00	106.16	17.36	3.61	0.00	3.00	0.99	0.95	2.85	17.37	-0.03	20.63	3.00
618	6.18	2.01	65.39	-3.55	3.25	2.01	3.25	4.00	2.78	18.06	106.34	0.00	106.34	17.89	3.44	0.00	3.00	0.98	0.95	2.83	17.91	-0.03	21.22	3.00
619	6.19	2.01	64.73	-3.64	3.22	2.01	3.22	4.00	2.78	18.05	106.52	0.00	106.52	17.86	3.40	0.00	3.00	0.98	0.95	2.83	17.88	-0.03	21.31	3.00
620	6.20	1.96	64.86	-3.64	3.31	1.96	3.31	4.00	2.79	18.05	106.71	0.00	106.71	17.36	3.50	0.00	3.00	0.99	0.95	2.84	17.37	-0.03	20.92	3.00
621	6.21	1.92	64.95	-3.64	3.38	1.92	3.38	4.00	2.81	18.04	106.89	0.00	106.89	16.96	3.58	0.00	3.00	0.99	0.95	2.86	16.96	-0.03	20.62	3.00
622	6.22	1.85	62.30	-3.64	3.37	1.85	3.37	4.00	2.82	17.98	107.07	0.00	107.07	16.27	3.58	0.00	3.00	1.00	0.95	2.87	16.27	-0.03	20.50	3.00
623	6.23	1.81	60.73	-3.74	3.35	1.81	3.36	3.00	2.82	17.94	107.24	0.00	107.24	15.87	3.57	0.00	3.00	1.00	0.94	2.88	15.87	-0.03	20.43	3.00
624	6.24	1.79	57.76	-3.74	3.23	1.79	3.23	4.00	2.82	17.88	107.42	0.00	107.42	15.66	3.43	0.00	3.00	1.00	0.94	2.87	15.66	-0.03	20.73	3.00
625	6.25	1.82	56.41	-3.64	3.10	1.82	3.10	4.00	2.80	17.86	107.60	0.00	107.60	15.91	3.30	0.00	3.00	0.99	0.94	2.86	15.91	-0.03	21.16	3.00
626	6.26	1.87	55.84	-3.64	2.98	1.87	2.99	4.00	2.78	17.85	107.78	0.00	107.78	16.34	3.17	0.00	3.00	0.98	0.94	2.84	16.36	-0.03	21.63	3.00
627	6.27	1.91	55.37	-3.64	2.90	1.91	2.90	4.00	2.77	17.85	107.96	0.00	107.96	16.68	3.07	0.00	4.00	0.98	0.94	2.82	16.71	-0.03	22.01	3.00
628	6.28	1.91	55.87	-3.64	2.93	1.91	2.93	4.00	2.77	17.86	108.14	0.00	108.14	16.66	3.10	0.00	4.00	0.98	0.94	2.83	16.68	-0.03	21.91	3.00
629	6.29	1.94	58.46	-3.55	3.02	1.94	3.01	4.00	2.77	17.92	108.32	0.00	108.32	16.90	3.19	0.00	4.00	0.98	0.94	2.83	16.93	-0.03	21.71	3.00
630	6.30	1.94	59.81	-3.55	3.09	1.94	3.08	4.00	2.78	17.95	108.50	0.00	108.50	16.87	3.27	0.00	3.00	0.98	0.93	2.83	16.89	-0.03	21.48	3.00

GeoDeep
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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
631	6.31	1.97	58.71	-3.55	2.99	1.97	2.98	4.00	2.76	17.93	108.68	0.00	108.68	17.12	3.16	0.00	4.00	0.98	0.93	2.82	17.15	-0.03	21.87	3.00
632	6.32	1.98	57.38	-3.55	2.90	1.98	2.90	4.00	2.75	17.91	108.86	0.00	108.86	17.18	3.07	0.00	4.00	0.97	0.93	2.81	17.21	-0.03	22.16	5.00
633	6.33	2.04	55.74	-3.45	2.73	2.04	2.73	4.00	2.73	17.89	109.03	0.00	109.03	17.70	2.89	0.00	4.00	0.96	0.93	2.79	17.75	-0.03	22.88	5.00
634	6.34	2.09	54.80	-3.35	2.62	2.09	2.62	4.00	2.71	17.88	109.21	0.00	109.21	18.13	2.77	0.00	4.00	0.96	0.93	2.77	18.19	-0.03	23.42	5.00
635	6.35	2.17	54.55	-3.35	2.52	2.17	2.51	4.00	2.68	17.89	109.39	0.00	109.39	18.83	2.65	0.00	4.00	0.95	0.93	2.74	18.91	-0.03	24.07	5.00
636	6.36	2.26	54.58	-3.26	2.41	2.26	2.42	4.00	2.66	17.90	109.57	0.00	109.57	19.62	2.54	0.00	4.00	0.94	0.93	2.71	19.71	-0.03	24.75	5.00
637	6.37	2.31	54.86	-3.26	2.37	2.31	2.38	4.00	2.65	17.92	109.75	0.00	109.75	20.04	2.49	0.00	4.00	0.93	0.93	2.70	20.15	-0.03	25.07	5.00
638	6.38	2.40	55.52	-3.26	2.32	2.40	2.31	4.00	2.63	17.94	109.93	0.00	109.93	20.83	2.43	0.00	4.00	0.93	0.93	2.68	20.95	-0.03	25.62	5.00
639	6.39	2.42	55.56	-3.16	2.29	2.42	2.30	4.00	2.62	17.95	110.11	0.00	110.11	20.97	2.41	0.00	4.00	0.92	0.93	2.68	21.10	-0.03	25.75	5.00
640	6.40	2.46	55.30	-3.16	2.25	2.46	2.25	4.00	2.61	17.95	110.29	0.00	110.29	21.30	2.35	0.00	4.00	0.92	0.92	2.67	21.44	-0.03	26.10	5.00
641	6.41	2.50	54.23	-3.07	2.17	2.50	2.17	4.00	2.60	17.93	110.47	0.00	110.47	21.63	2.27	0.00	4.00	0.91	0.92	2.65	21.79	-0.03	26.61	5.00
642	6.42	2.52	53.06	-3.07	2.11	2.52	2.11	4.00	2.59	17.91	110.65	0.00	110.65	21.77	2.20	0.00	4.00	0.91	0.92	2.64	21.94	-0.03	26.99	5.00
643	6.43	2.51	51.58	-3.07	2.05	2.51	2.06	4.00	2.58	17.88	110.83	0.00	110.83	21.64	2.15	0.00	4.00	0.91	0.92	2.64	21.82	-0.03	27.21	5.00
644	6.44	2.50	49.50	-3.07	1.98	2.50	1.98	4.00	2.57	17.83	111.00	0.00	111.00	21.52	2.07	0.00	4.00	0.91	0.92	2.63	21.70	-0.03	27.57	5.00
645	6.45	2.49	49.09	-3.07	1.97	2.49	1.97	4.00	2.57	17.82	111.18	0.00	111.18	21.39	2.06	0.00	4.00	0.91	0.92	2.63	21.58	-0.03	27.57	5.00
646	6.46	2.47	49.38	-3.07	2.00	2.47	2.00	4.00	2.58	17.82	111.36	0.00	111.36	21.17	2.09	0.00	4.00	0.91	0.92	2.64	21.36	-0.03	27.33	5.00
647	6.47	2.47	49.31	-3.07	2.00	2.47	2.00	4.00	2.58	17.82	111.54	0.00	111.54	21.14	2.09	0.00	4.00	0.91	0.92	2.64	21.32	-0.03	27.33	5.00
648	6.48	2.41	49.56	-3.07	2.06	2.41	2.06	4.00	2.60	17.81	111.72	0.00	111.72	20.57	2.16	0.00	4.00	0.92	0.91	2.66	20.73	-0.03	26.79	5.00
649	6.49	2.38	49.66	-3.07	2.09	2.38	2.09	4.00	2.60	17.81	111.89	0.00	111.89	20.26	2.19	0.00	4.00	0.92	0.91	2.66	20.42	-0.03	26.52	5.00
650	6.50	2.29	49.34	-3.16	2.15	2.29	2.16	4.00	2.63	17.79	112.07	0.00	112.07	19.43	2.27	0.00	4.00	0.93	0.91	2.69	19.57	-0.03	25.86	5.00
651	6.51	2.25	49.56	-3.16	2.20	2.25	2.20	4.00	2.64	17.79	112.25	0.00	112.25	19.04	2.32	0.00	4.00	0.93	0.91	2.70	19.17	-0.03	25.48	5.00
652	6.52	2.24	49.91	-3.16	2.23	2.24	2.23	4.00	2.64	17.79	112.43	0.00	112.43	18.92	2.35	0.00	4.00	0.94	0.91	2.71	19.04	-0.03	25.32	5.00
653	6.53	2.21	50.20	-3.16	2.28	2.21	2.27	4.00	2.65	17.80	112.61	0.00	112.61	18.62	2.39	0.00	4.00	0.94	0.91	2.72	18.74	-0.03	25.02	5.00
654	6.54	2.20	50.70	-3.16	2.31	2.20	2.31	4.00	2.66	17.81	112.78	0.00	112.78	18.50	2.43	0.00	4.00	0.94	0.90	2.72	18.61	-0.03	24.83	5.00
655	6.55	2.17	51.61	-3.16	2.37	2.17	2.38	4.00	2.67	17.82	112.96	0.00	112.96	18.20	2.51	0.00	4.00	0.95	0.90	2.74	18.31	-0.03	24.41	5.00
656	6.56	2.15	54.67	-3.07	2.54	2.15	2.54	4.00	2.69	17.88	113.14	0.00	113.14	18.00	2.68	0.00	4.00	0.96	0.90	2.76	18.08	-0.03	23.69	5.00
657	6.57	2.15	55.52	-3.07	2.59	2.15	2.58	4.00	2.69	17.90	113.32	0.00	113.32	17.97	2.73	0.00	4.00	0.96	0.90	2.76	18.05	-0.03	23.53	5.00
658	6.58	2.14	57.76	-3.07	2.70	2.14	2.70	4.00	2.71	17.95	113.50	0.00	113.50	17.85	2.85	0.00	4.00	0.96	0.90	2.78	17.92	-0.03	23.06	5.00
659	6.59	2.15	57.16	-3.07	2.66	2.15	2.66	4.00	2.70	17.94	113.68	0.00	113.68	17.91	2.81	0.00	4.00	0.96	0.90	2.77	17.98	-0.03	23.22	5.00
660	6.60	2.14	56.41	-3.07	2.63	2.14	2.64	4.00	2.70	17.92	113.86	0.00	113.86	17.79	2.79	0.00	4.00	0.96	0.89	2.77	17.87	-0.03	23.27	5.00
661	6.61	2.03	56.66	-3.16	2.79	2.03	2.79	4.00	2.73	17.90	114.04	0.00	114.04	16.80	2.96	0.00	4.00	0.98	0.89	2.81	16.84	-0.03	22.40	5.00
662	6.62	1.94	57.20	-3.16	2.94	1.94	2.95	4.00	2.76	17.90	114.22	0.00	114.22	15.98	3.13	0.00	3.00	0.99	0.89	2.84	16.00	-0.03	21.64	3.00
663	6.63	1.87	57.70	-3.26	3.09	1.87	3.09	4.00	2.79	17.89	114.40	0.00	114.40	15.34	3.29	0.00	3.00	1.00	0.89	2.87	15.34	-0.03	21.04	3.00
664	6.64	1.73	60.32	-3.35	3.49	1.73	3.49	3.00	2.85	17.91	114.57	0.00	114.57	14.09	3.74	0.00	3.00	1.00	0.88	2.93	14.09	-0.03	19.64	3.00
665	6.65	1.71	61.45	-3.35	3.58	1.71	3.60	3.00	2.86	17.93	114.75	0.00	114.75	13.90	3.85	0.00	3.00	1.00	0.88	2.95	13.90	-0.03	19.34	3.00
666	6.66	1.73	64.38	-3.16	3.72	1.73	3.72	3.00	2.87	17.99	114.93	0.00	114.93	14.05	3.99	0.00	3.00	1.00	0.88	2.95	14.05	-0.03	19.08	3.00
667	6.67	1.73	66.50	-3.07	3.85	1.73	3.85	3.00	2.88	18.03	115.11	0.00	115.11	14.02	4.12	0.00	3.00	1.00	0.88	2.96	14.02	-0.03	18.80	3.00
668	6.68	1.66	67.38	-2.97	4.06	1.66	4.06	3.00	2.90	18.03	115.29	0.00	115.29	13.39	4.36	0.00	3.00	1.00	0.88	2.99	13.39	-0.03	18.21	3.00
669	6.69	1.60	67.66	-3.07	4.24	1.60	4.23	3.00	2.93	18.02	115.47	0.00	115.47	12.85	4.56	0.00	3.00	1.00	0.88	3.02	12.85	-0.03	17.77	3.00
670	6.70	1.49	64.73	-3.16	4.34	1.49	4.35	3.00	2.96	17.94	115.65	0.00	115.65	11.88	4.71	0.00	3.00	1.00	0.88	3.05	11.88	-0.03	17.37	2.00
671	6.71	1.42	63.47	-3.26	4.47	1.42	4.47	3.00	2.98	17.90	115.83	0.00	115.83	11.25	4.87	0.00	3.00	1.00	0.87	3.08	11.25	-0.03	17.03	2.00
672	6.72	1.35	63.63	-3.26	4.73	1.35	4.72	3.00	3.01	17.88	116.01	0.00	116.01	10.63	5.16	0.00	3.00	1.00	0.87	3.12	10.63	-0.03	16.52	2.00
673	6.73	1.23	63.69	-3.35	5.16	1.23	5.18	3.00	3.07	17.85	116.19	0.00	116.19	9.58	5.72	0.00	3.00	1.00	0.87	3.18	9.58	-0.03	15.69	2.00
674	6.74	1.17	64.38	-3.35	5.48	1.17	5.51	3.00	3.11	17.84	116.37	0.00	116.37	9.05	6.11	0.00	3.00	1.00	0.87	3.22	9.05	-0.03	15.20	2.00
675	6.75	1.01	67.51	-3.16	6.65	1.01	6.69	3.00	3.21	17.84	116.55	0.00	116.55	7.66	7.56	0.00	3.00	1.00	0.87	3.33	7.66	-0.03	13.81	2.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
676	6.76	0.98	68.01	-2.88	6.92	0.98	6.94	3.00	3.23	17.83	116.72	0.00	116.72	7.39	7.88	0.00	3.00	1.00	0.87	3.35	7.39	-0.02	13.56	2.00
677	6.77	0.98	67.47	-2.59	6.90	0.98	6.89	3.00	3.23	17.82	116.90	0.00	116.90	7.38	7.82	0.00	3.00	1.00	0.87	3.35	7.38	-0.02	13.61	2.00
678	6.78	1.01	67.13	-2.40	6.65	1.01	6.65	3.00	3.21	17.83	117.08	0.00	117.08	7.62	7.52	0.00	3.00	1.00	0.87	3.33	7.62	-0.02	13.84	2.00
679	6.79	1.06	66.46	-1.82	6.29	1.06	6.27	3.00	3.17	17.84	117.26	0.00	117.26	8.04	7.05	0.00	3.00	1.00	0.86	3.29	8.04	-0.02	14.24	2.00
680	6.80	1.21	64.04	-0.77	5.28	1.21	5.29	3.00	3.08	17.85	117.44	0.00	117.44	9.30	5.86	0.00	3.00	1.00	0.86	3.20	9.30	-0.01	15.50	2.00
681	6.81	1.27	62.71	-0.67	4.95	1.27	4.94	3.00	3.05	17.84	117.62	0.00	117.62	9.80	5.44	0.00	3.00	1.00	0.86	3.16	9.80	-0.01	16.05	2.00
682	6.82	1.31	61.26	-0.58	4.68	1.31	4.68	3.00	3.02	17.83	117.79	0.00	117.79	10.12	5.14	0.00	3.00	1.00	0.86	3.13	10.12	0.00	16.49	2.00
683	6.83	1.41	54.26	-0.58	3.85	1.41	3.85	3.00	2.94	17.71	117.97	0.00	117.97	10.95	4.20	0.00	3.00	1.00	0.86	3.05	10.95	0.00	18.06	2.00
684	6.84	1.44	53.03	-0.58	3.68	1.44	3.68	3.00	2.93	17.70	118.15	0.00	118.15	11.19	4.01	0.00	3.00	1.00	0.86	3.03	11.19	0.00	18.44	2.00
685	6.85	1.43	52.15	-0.58	3.64	1.43	3.65	3.00	2.93	17.67	118.33	0.00	118.33	11.08	3.98	0.00	3.00	1.00	0.86	3.03	11.08	0.00	18.48	2.00
686	6.86	1.39	50.20	-0.67	3.61	1.39	3.61	3.00	2.93	17.62	118.50	0.00	118.50	10.73	3.95	0.00	3.00	1.00	0.86	3.04	10.73	-0.01	18.45	2.00
687	6.87	1.34	49.44	-0.77	3.69	1.34	3.69	3.00	2.95	17.59	118.68	0.00	118.68	10.29	4.05	0.00	3.00	1.00	0.85	3.06	10.29	-0.01	18.17	2.00
688	6.88	1.23	48.90	-0.86	3.96	1.23	3.98	3.00	3.00	17.54	118.85	0.00	118.85	9.35	4.40	0.00	3.00	1.00	0.85	3.12	9.35	-0.01	17.41	2.00
689	6.89	1.19	48.40	-0.96	4.06	1.19	4.07	3.00	3.02	17.52	119.03	0.00	119.03	9.00	4.52	0.00	3.00	1.00	0.85	3.14	9.00	-0.01	17.17	2.00
690	6.90	1.15	46.95	-0.96	4.09	1.15	4.08	3.00	3.03	17.47	119.20	0.00	119.20	8.65	4.56	0.00	3.00	1.00	0.85	3.15	8.65	-0.01	17.05	2.00
691	6.91	1.15	46.95	-0.96	4.09	1.15	4.08	3.00	3.03	17.47	119.38	0.00	119.38	8.63	4.56	0.00	3.00	1.00	0.85	3.15	8.63	-0.01	17.04	2.00
692	6.92	1.15	46.95	-0.96	4.09	1.15	4.08	3.00	3.03	17.47	119.55	0.00	119.55	8.62	4.56	0.00	3.00	1.00	0.85	3.15	8.62	-0.01	17.04	2.00
693	6.93	1.35	48.78	9.68	3.61	1.35	3.61	3.00	2.94	17.58	119.73	0.00	119.73	10.29	3.96	0.01	3.00	1.00	0.85	3.06	10.29	0.08	18.32	2.00
694	6.94	1.38	51.68	10.83	3.75	1.38	3.74	3.00	2.94	17.65	119.90	0.00	119.90	10.53	4.09	0.01	3.00	1.00	0.85	3.06	10.53	0.09	18.15	2.00
695	6.95	1.45	52.94	11.69	3.66	1.45	3.64	3.00	2.92	17.70	120.08	0.00	120.08	11.10	3.97	0.01	3.00	1.00	0.84	3.03	11.10	0.10	18.49	2.00
696	6.96	1.64	56.03	12.94	3.41	1.64	3.41	3.00	2.86	17.81	120.26	0.00	120.26	12.66	3.68	0.01	3.00	1.00	0.84	2.97	12.66	0.11	19.44	2.00
697	6.97	1.75	57.10	13.42	3.26	1.75	3.26	3.00	2.83	17.86	120.44	0.00	120.44	13.55	3.50	0.01	3.00	1.00	0.84	2.93	13.55	0.11	20.06	2.00
698	6.98	2.13	58.80	13.90	2.76	2.13	2.76	4.00	2.71	17.96	120.62	0.00	120.62	16.68	2.92	0.01	4.00	0.98	0.84	2.81	16.74	0.12	22.49	5.00
699	6.99	2.34	58.71	13.99	2.51	2.34	2.51	4.00	2.66	18.00	120.80	0.00	120.80	18.40	2.64	0.01	4.00	0.96	0.85	2.75	18.54	0.12	23.99	5.00
700	7.00	2.62	58.01	13.99	2.22	2.62	2.21	4.00	2.58	18.03	120.98	0.00	120.98	20.68	2.32	0.01	4.00	0.93	0.85	2.67	20.95	0.12	26.10	5.00
701	7.01	2.73	56.12	13.99	2.05	2.73	2.05	4.00	2.55	18.01	121.16	0.00	121.16	21.56	2.15	0.01	4.00	0.91	0.85	2.64	21.89	0.12	27.25	5.00
702	7.02	2.82	54.04	14.09	1.92	2.82	1.91	4.00	2.52	17.98	121.34	0.00	121.34	22.27	2.00	0.01	4.00	0.90	0.85	2.60	22.66	0.12	28.32	5.00
703	7.03	2.92	51.65	13.99	1.77	2.92	1.77	5.00	2.49	17.94	121.52	0.00	121.52	23.05	1.84	0.00	4.00	0.89	0.85	2.57	23.52	0.12	29.57	5.00
704	7.04	2.93	50.16	13.90	1.71	2.93	1.71	5.00	2.48	17.90	121.70	0.00	121.70	23.10	1.78	0.00	4.00	0.89	0.85	2.56	23.59	0.11	29.97	5.00
705	7.05	2.92	48.97	13.90	1.68	2.92	1.68	5.00	2.47	17.88	121.88	0.00	121.88	22.98	1.75	0.00	4.00	0.89	0.85	2.56	23.48	0.11	30.15	4.00
706	7.06	2.77	46.92	13.61	1.69	2.77	1.69	5.00	2.50	17.81	122.05	0.00	122.05	21.72	1.77	0.01	4.00	0.89	0.85	2.58	22.15	0.11	29.44	4.00
707	7.07	2.64	46.66	13.51	1.77	2.64	1.77	4.00	2.52	17.78	122.23	0.00	122.23	20.62	1.85	0.01	4.00	0.91	0.84	2.61	20.99	0.11	28.47	4.00
708	7.08	2.48	47.01	13.32	1.90	2.48	1.89	4.00	2.56	17.77	122.41	0.00	122.41	19.28	1.99	0.01	4.00	0.92	0.84	2.66	19.57	0.11	27.13	4.00
709	7.09	2.11	49.69	12.94	2.36	2.11	2.35	4.00	2.68	17.77	122.59	0.00	122.59	16.23	2.50	0.01	4.00	0.97	0.83	2.78	16.33	0.11	23.77	4.00
710	7.10	1.98	52.24	12.84	2.64	1.98	2.63	4.00	2.73	17.80	122.76	0.00	122.76	15.15	2.81	0.01	4.00	0.99	0.83	2.83	15.18	0.10	22.36	4.00
711	7.11	1.85	58.93	13.23	3.19	1.85	3.18	4.00	2.80	17.91	122.94	0.00	122.94	14.07	3.41	0.01	3.00	1.00	0.82	2.91	14.07	0.11	20.41	3.00
712	7.12	1.82	64.32	14.28	3.53	1.82	3.53	3.00	2.83	18.01	123.12	0.00	123.12	13.81	3.78	0.01	3.00	1.00	0.82	2.94	13.81	0.12	19.47	3.00
713	7.13	1.90	71.26	15.91	3.75	1.90	3.74	3.00	2.84	18.14	123.31	0.00	123.31	14.44	4.00	0.01	3.00	1.00	0.82	2.94	14.44	0.13	19.12	3.00
714	7.14	2.10	69.49	18.98	3.31	2.10	3.30	4.00	2.77	18.15	123.49	0.00	123.49	16.04	3.51	0.01	3.00	1.00	0.82	2.87	16.04	0.15	20.62	3.00
715	7.15	2.29	67.41	26.36	2.95	2.30	2.94	4.00	2.71	18.15	123.67	0.00	123.67	17.56	3.10	0.01	4.00	0.98	0.82	2.81	17.63	0.21	22.15	5.00
716	7.16	2.50	64.60	27.89	2.58	2.51	2.58	4.00	2.64	18.13	123.85	0.00	123.85	19.23	2.71	0.01	4.00	0.95	0.83	2.74	19.41	0.23	23.98	5.00
717	7.17	2.51	63.22	27.51	2.52	2.52	2.51	4.00	2.63	18.11	124.03	0.00	124.03	19.28	2.64	0.01	4.00	0.95	0.83	2.73	19.47	0.22	24.26	5.00
718	7.18	2.50	58.96	26.93	2.35	2.51	2.35	4.00	2.62	18.03	124.21	0.00	124.21	19.17	2.48	0.01	4.00	0.95	0.82	2.71	19.39	0.22	24.90	5.00
719	7.19	2.45	57.01	26.74	2.33	2.46	2.32	4.00	2.62	17.98	124.39	0.00	124.39	18.74	2.45	0.01	4.00	0.95	0.82	2.72	18.94	0.21	24.88	5.00
720	7.20	2.25	54.36	26.16	2.41	2.26	2.41	4.00	2.66	17.90	124.57	0.00	124.57	17.11	2.55	0.01	4.00	0.96	0.82	2.76	17.23	0.21	23.90	4.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
721	7.21	2.15	52.43	25.97	2.44	2.16	2.43	4.00	2.68	17.84	124.75	0.00	124.75	16.28	2.58	0.01	4.00	0.97	0.82	2.78	16.37	0.21	23.49	4.00
722	7.22	1.97	48.81	25.49	2.48	1.98	2.47	4.00	2.71	17.72	124.93	0.00	124.93	14.81	2.64	0.01	4.00	0.99	0.81	2.82	14.85	0.20	22.76	4.00
723	7.23	1.89	47.70	25.30	2.52	1.90	2.52	4.00	2.73	17.68	125.10	0.00	125.10	14.15	2.69	0.01	4.00	1.00	0.81	2.85	14.16	0.20	22.34	4.00
724	7.24	1.85	47.29	25.11	2.56	1.86	2.55	4.00	2.74	17.66	125.28	0.00	125.28	13.81	2.73	0.01	4.00	1.00	0.81	2.86	13.81	0.20	22.10	4.00
725	7.25	1.82	48.87	25.01	2.69	1.83	2.68	4.00	2.76	17.69	125.46	0.00	125.46	13.55	2.88	0.01	3.00	1.00	0.81	2.88	13.55	0.20	21.61	2.00
726	7.26	1.84	49.34	25.01	2.69	1.85	2.67	4.00	2.76	17.71	125.63	0.00	125.63	13.69	2.87	0.01	3.00	1.00	0.81	2.87	13.69	0.20	21.68	2.00
727	7.27	1.85	49.63	25.01	2.68	1.86	2.68	4.00	2.75	17.72	125.81	0.00	125.81	13.75	2.87	0.01	3.00	1.00	0.81	2.87	13.75	0.20	21.70	2.00
728	7.28	1.94	50.73	25.11	2.62	1.95	2.61	4.00	2.73	17.76	125.99	0.00	125.99	14.44	2.79	0.01	4.00	1.00	0.80	2.85	14.45	0.20	22.17	4.00
729	7.29	2.01	50.76	25.11	2.53	2.02	2.52	4.00	2.71	17.77	126.17	0.00	126.17	14.97	2.69	0.01	4.00	0.99	0.81	2.83	15.01	0.20	22.67	4.00
730	7.30	2.07	51.52	25.11	2.49	2.08	2.48	4.00	2.70	17.80	126.34	0.00	126.34	15.43	2.64	0.01	4.00	0.98	0.81	2.81	15.48	0.20	22.97	4.00
731	7.31	2.06	54.20	24.92	2.63	2.07	2.62	4.00	2.71	17.86	126.52	0.00	126.52	15.32	2.80	0.01	4.00	0.99	0.80	2.83	15.36	0.20	22.45	4.00
732	7.32	2.00	56.66	24.82	2.84	2.01	2.83	4.00	2.74	17.90	126.70	0.00	126.70	14.83	3.02	0.01	3.00	1.00	0.80	2.86	14.83	0.20	21.64	2.00
733	7.33	1.83	60.82	24.44	3.32	1.84	3.31	4.00	2.81	17.95	126.88	0.00	126.88	13.46	3.56	0.01	3.00	1.00	0.80	2.94	13.46	0.19	19.90	2.00
734	7.34	1.74	62.30	24.15	3.59	1.75	3.57	3.00	2.85	17.95	127.06	0.00	127.06	12.73	3.85	0.01	3.00	1.00	0.80	2.98	12.73	0.19	19.10	2.00
735	7.35	1.52	63.50	23.77	4.17	1.52	4.16	3.00	2.94	17.92	127.24	0.00	127.24	10.99	4.54	0.02	3.00	1.00	0.80	3.07	10.99	0.19	17.50	2.00
736	7.36	1.42	62.71	23.58	4.41	1.42	4.40	3.00	2.98	17.88	127.42	0.00	127.42	10.18	4.83	0.02	3.00	1.00	0.80	3.11	10.18	0.19	16.93	2.00
737	7.37	1.26	60.16	23.29	4.79	1.26	4.76	3.00	3.04	17.79	127.60	0.00	127.60	8.91	5.29	0.02	3.00	1.00	0.79	3.18	8.91	0.18	16.14	2.00
738	7.38	1.20	60.10	23.19	5.02	1.20	4.99	3.00	3.07	17.77	127.77	0.00	127.77	8.43	5.58	0.02	3.00	1.00	0.79	3.22	8.43	0.18	15.75	2.00
739	7.39	1.09	61.92	23.10	5.66	1.09	5.66	3.00	3.13	17.77	127.95	0.00	127.95	7.56	6.40	0.02	3.00	1.00	0.79	3.29	7.56	0.18	14.83	2.00
740	7.40	1.05	63.50	23.00	6.04	1.05	6.02	3.00	3.16	17.78	128.13	0.00	128.13	7.23	6.85	0.02	3.00	1.00	0.79	3.32	7.23	0.18	14.41	2.00
741	7.41	1.03	64.89	23.00	6.33	1.03	6.27	3.00	3.18	17.80	128.31	0.00	128.31	7.07	7.16	0.03	3.00	1.00	0.79	3.34	7.07	0.18	14.15	2.00
742	7.42	0.99	65.49	22.91	6.59	0.99	6.58	3.00	3.21	17.80	128.48	0.00	128.48	6.74	7.56	0.03	3.00	1.00	0.79	3.37	6.74	0.18	13.84	2.00
743	7.43	0.93	65.05	23.00	6.96	0.93	6.96	3.00	3.24	17.76	128.66	0.00	128.66	6.27	8.07	0.03	3.00	1.00	0.79	3.42	6.27	0.18	13.49	2.00
744	7.44	0.91	64.10	23.10	7.02	0.91	7.01	3.00	3.25	17.74	128.84	0.00	128.84	6.10	8.16	0.03	3.00	1.00	0.79	3.43	6.10	0.18	13.45	2.00
745	7.45	0.93	60.98	23.77	6.52	0.93	6.52	3.00	3.23	17.69	129.02	0.00	129.02	6.25	7.57	0.03	3.00	1.00	0.79	3.40	6.25	0.18	13.85	2.00
746	7.46	0.95	59.56	24.63	6.30	0.96	6.24	3.00	3.21	17.67	129.19	0.00	129.19	6.39	7.21	0.03	3.00	1.00	0.78	3.38	6.39	0.19	14.12	2.00
747	7.47	0.95	59.18	26.55	6.23	0.96	6.19	3.00	3.21	17.66	129.37	0.00	129.37	6.39	7.16	0.03	3.00	1.00	0.78	3.38	6.39	0.21	14.16	2.00
748	7.48	0.97	58.30	31.15	6.00	0.98	5.97	3.00	3.19	17.66	129.55	0.00	129.55	6.54	6.88	0.04	3.00	1.00	0.78	3.36	6.54	0.24	14.38	2.00
749	7.49	0.98	57.45	31.05	5.88	0.99	5.82	3.00	3.18	17.64	129.72	0.00	129.72	6.60	6.71	0.04	3.00	1.00	0.78	3.35	6.60	0.24	14.53	2.00
750	7.50	1.03	53.57	30.86	5.22	1.04	5.17	3.00	3.13	17.58	129.90	0.00	129.90	6.98	5.91	0.03	3.00	1.00	0.78	3.30	6.98	0.24	15.26	2.00
751	7.51	1.04	52.97	30.67	5.11	1.05	5.06	3.00	3.12	17.57	130.07	0.00	130.07	7.04	5.78	0.03	3.00	1.00	0.78	3.29	7.04	0.24	15.39	2.00
752	7.52	1.03	50.07	30.57	4.88	1.04	4.83	3.00	3.11	17.50	130.25	0.00	130.25	6.96	5.53	0.03	3.00	1.00	0.78	3.28	6.96	0.23	15.64	2.00
753	7.53	1.01	47.48	30.57	4.68	1.02	4.67	3.00	3.11	17.43	130.42	0.00	130.42	6.79	5.36	0.03	3.00	1.00	0.78	3.28	6.79	0.23	15.78	2.00
754	7.54	1.01	42.75	30.67	4.21	1.02	4.21	3.00	3.08	17.31	130.60	0.00	130.60	6.78	4.83	0.03	3.00	1.00	0.78	3.25	6.78	0.23	16.34	2.00
755	7.55	1.02	40.89	30.86	4.01	1.03	3.98	3.00	3.06	17.27	130.77	0.00	130.77	6.85	4.57	0.03	3.00	1.00	0.77	3.24	6.85	0.24	16.64	2.00
756	7.56	1.00	38.31	31.24	3.82	1.01	3.81	3.00	3.06	17.18	130.94	0.00	130.94	6.69	4.38	0.04	3.00	1.00	0.77	3.23	6.69	0.24	16.81	2.00
757	7.57	1.06	33.20	36.52	3.14	1.07	3.11	3.00	2.99	17.04	131.11	0.00	131.11	7.14	3.54	0.04	3.00	1.00	0.77	3.16	7.14	0.28	17.98	2.00
758	7.58	1.20	32.60	50.41	2.73	1.21	2.69	3.00	2.91	17.07	131.28	0.00	131.28	8.22	3.02	0.05	3.00	1.00	0.77	3.07	8.22	0.38	19.21	2.00
759	7.59	1.68	34.56	69.68	2.06	1.69	2.04	4.00	2.72	17.27	131.46	0.00	131.46	11.89	2.21	0.04	4.00	1.00	0.77	2.86	11.89	0.53	22.73	4.00
760	7.60	1.99	36.70	70.63	1.84	2.00	1.83	4.00	2.63	17.40	131.63	0.00	131.63	14.23	1.96	0.04	4.00	0.97	0.78	2.76	14.35	0.54	24.82	4.00
761	7.61	2.44	38.12	60.95	1.57	2.45	1.55	5.00	2.52	17.52	131.80	0.00	131.80	17.61	1.64	0.03	4.00	0.92	0.78	2.64	17.98	0.46	28.11	4.00
762	7.62	2.55	41.52	49.07	1.63	2.56	1.62	5.00	2.51	17.63	131.98	0.00	131.98	18.40	1.71	0.02	4.00	0.92	0.78	2.63	18.80	0.37	28.20	4.00
763	7.63	2.62	41.52	42.84	1.58	2.63	1.58	5.00	2.50	17.64	132.16	0.00	132.16	18.89	1.66	0.02	4.00	0.91	0.78	2.62	19.34	0.32	28.72	4.00
764	7.64	2.72	41.18	41.31	1.51	2.73	1.51	5.00	2.47	17.65	132.33	0.00	132.33	19.62	1.59	0.02	4.00	0.90	0.79	2.59	20.14	0.31	29.56	4.00
765	7.65	2.81	44.17	40.92	1.57	2.82	1.57	5.00	2.47	17.74	132.51	0.00	132.51	20.27	1.64	0.02	4.00	0.90	0.79	2.59	20.82	0.31	29.57	4.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
766	7.66	2.88	47.23	40.73	1.64	2.89	1.64	5.00	2.47	17.83	132.69	0.00	132.69	20.77	1.71	0.01	4.00	0.90	0.78	2.59	21.33	0.31	29.40	4.00
767	7.67	3.03	49.06	40.44	1.62	3.04	1.61	5.00	2.45	17.89	132.87	0.00	132.87	21.87	1.69	0.01	4.00	0.89	0.79	2.57	22.51	0.30	30.10	4.00
768	7.68	3.07	48.97	40.25	1.60	3.08	1.59	5.00	2.44	17.90	133.05	0.00	133.05	22.14	1.66	0.01	4.00	0.89	0.78	2.56	22.81	0.30	30.40	4.00
769	7.69	3.07	49.22	40.06	1.60	3.08	1.60	5.00	2.44	17.90	133.23	0.00	133.23	22.11	1.67	0.01	4.00	0.89	0.78	2.56	22.78	0.30	30.33	4.00
770	7.70	2.89	51.84	39.29	1.79	2.90	1.79	5.00	2.49	17.94	133.41	0.00	133.41	20.73	1.87	0.01	4.00	0.91	0.78	2.61	21.24	0.29	28.44	4.00
771	7.71	2.72	53.73	39.10	1.97	2.73	1.97	4.00	2.54	17.96	133.59	0.00	133.59	19.42	2.07	0.02	4.00	0.93	0.77	2.66	19.80	0.29	26.85	4.00
772	7.72	2.46	53.60	39.20	2.18	2.47	2.17	4.00	2.60	17.91	133.76	0.00	133.76	17.45	2.30	0.02	4.00	0.96	0.77	2.73	17.67	0.29	25.02	4.00
773	7.73	2.33	56.41	39.10	2.42	2.34	2.41	4.00	2.65	17.95	133.94	0.00	133.94	16.46	2.56	0.02	4.00	0.97	0.76	2.78	16.57	0.29	23.64	4.00
774	7.74	2.18	59.65	39.01	2.73	2.19	2.73	4.00	2.70	17.99	134.12	0.00	134.12	15.31	2.90	0.02	4.00	1.00	0.76	2.84	15.33	0.29	22.12	4.00
775	7.75	2.00	68.04	39.10	3.40	2.01	3.39	4.00	2.79	18.11	134.31	0.00	134.31	13.95	3.63	0.02	3.00	1.00	0.75	2.93	13.95	0.29	19.85	3.00
776	7.76	1.93	73.28	39.01	3.79	1.94	3.78	3.00	2.83	18.18	134.49	0.00	134.49	13.41	4.06	0.02	3.00	1.00	0.75	2.97	13.41	0.29	18.81	3.00
777	7.77	1.89	81.13	39.10	4.30	1.90	4.27	3.00	2.87	18.29	134.67	0.00	134.67	13.10	4.60	0.02	3.00	1.00	0.75	3.01	13.10	0.29	17.73	3.00
778	7.78	1.93	85.07	39.49	4.41	1.94	4.39	3.00	2.87	18.35	134.85	0.00	134.85	13.37	4.72	0.02	3.00	1.00	0.75	3.01	13.37	0.29	17.56	3.00
779	7.79	2.10	87.43	41.12	4.17	2.11	4.15	3.00	2.83	18.42	135.04	0.00	135.04	14.62	4.43	0.02	3.00	1.00	0.75	2.97	14.62	0.30	18.27	3.00
780	7.80	2.23	84.75	43.42	3.81	2.24	3.78	4.00	2.78	18.40	135.22	0.00	135.22	15.56	4.03	0.02	3.00	1.00	0.75	2.92	15.56	0.32	19.26	3.00
781	7.81	2.53	81.13	47.15	3.21	2.54	3.19	4.00	2.69	18.40	135.41	0.00	135.41	17.76	3.37	0.02	3.00	0.99	0.75	2.83	17.79	0.35	21.37	3.00
782	7.82	2.65	80.62	46.67	3.04	2.66	3.03	4.00	2.66	18.41	135.59	0.00	135.59	18.62	3.19	0.02	4.00	0.98	0.75	2.79	18.72	0.34	22.13	5.00
783	7.83	2.66	79.08	45.81	2.97	2.67	2.96	4.00	2.66	18.39	135.77	0.00	135.77	18.66	3.12	0.02	4.00	0.98	0.75	2.79	18.78	0.34	22.38	5.00
784	7.84	2.61	78.07	45.52	3.00	2.62	2.98	4.00	2.67	18.37	135.96	0.00	135.96	18.27	3.14	0.02	4.00	0.98	0.75	2.80	18.36	0.33	22.21	5.00
785	7.85	2.54	77.12	45.14	3.04	2.55	3.02	4.00	2.68	18.35	136.14	0.00	136.14	17.73	3.20	0.02	4.00	0.99	0.75	2.81	17.79	0.33	21.91	3.00
786	7.86	2.35	74.79	44.47	3.18	2.36	3.17	4.00	2.72	18.28	136.32	0.00	136.32	16.31	3.36	0.02	3.00	1.00	0.74	2.85	16.31	0.33	21.07	3.00
787	7.87	2.21	75.29	43.99	3.41	2.22	3.39	4.00	2.76	18.26	136.51	0.00	136.51	15.26	3.61	0.02	3.00	1.00	0.74	2.90	15.26	0.32	20.18	3.00
788	7.88	2.07	75.77	43.51	3.67	2.08	3.64	4.00	2.80	18.25	136.69	0.00	136.69	14.21	3.90	0.02	3.00	1.00	0.74	2.94	14.21	0.32	19.30	3.00
789	7.89	1.83	78.29	42.65	4.29	1.84	4.26	3.00	2.88	18.24	136.87	0.00	136.87	12.44	4.60	0.03	3.00	1.00	0.74	3.03	12.44	0.31	17.64	3.00
790	7.90	1.71	80.50	42.46	4.70	1.72	4.68	3.00	2.93	18.24	137.05	0.00	137.05	11.54	5.09	0.03	3.00	1.00	0.74	3.08	11.54	0.31	16.73	2.00
791	7.91	1.71	80.50	42.46	4.70	1.72	4.68	3.00	2.93	18.24	137.24	0.00	137.24	11.53	5.09	0.03	3.00	1.00	0.74	3.08	11.53	0.31	16.73	2.00
792	7.92	1.71	80.50	42.46	4.70	1.72	4.68	3.00	2.93	18.24	137.42	0.00	137.42	11.51	5.09	0.03	3.00	1.00	0.74	3.08	11.51	0.31	16.73	2.00
793	7.93	1.40	81.50	32.97	5.82	1.41	5.79	3.00	3.06	18.18	137.60	0.00	137.60	9.22	6.42	0.03	3.00	1.00	0.74	3.22	9.22	0.24	14.88	2.00
794	7.94	1.32	83.11	33.16	6.28	1.33	6.26	3.00	3.10	18.18	137.78	0.00	137.78	8.63	6.99	0.03	3.00	1.00	0.74	3.27	8.63	0.24	14.30	2.00
795	7.95	1.22	82.99	33.45	6.79	1.23	6.76	3.00	3.15	18.15	137.96	0.00	137.96	7.89	7.62	0.03	3.00	1.00	0.73	3.32	7.89	0.24	13.75	2.00
796	7.96	1.20	82.17	33.54	6.87	1.21	6.81	3.00	3.15	18.13	138.14	0.00	138.14	7.74	7.69	0.03	3.00	1.00	0.73	3.33	7.74	0.24	13.70	2.00
797	7.97	1.12	81.09	33.45	7.27	1.13	7.20	3.00	3.19	18.09	138.33	0.00	138.33	7.15	8.20	0.03	3.00	1.00	0.73	3.38	7.15	0.24	13.33	2.00
798	7.98	1.05	80.02	33.45	7.61	1.06	7.57	3.00	3.23	18.05	138.51	0.00	138.51	6.63	8.71	0.04	3.00	1.00	0.73	3.42	6.63	0.24	13.02	2.00
799	7.99	1.04	79.27	33.26	7.65	1.05	7.57	3.00	3.23	18.04	138.69	0.00	138.69	6.55	8.73	0.04	3.00	1.00	0.73	3.42	6.55	0.24	13.01	2.00
800	8.00	1.00	78.04	33.26	7.81	1.01	7.75	3.00	3.25	18.00	138.87	0.00	138.87	6.25	8.99	0.04	3.00	1.00	0.73	3.45	6.25	0.24	12.88	2.00
801	8.01	0.92	74.19	33.06	8.03	0.93	8.00	3.00	3.29	17.91	139.05	0.00	139.05	5.67	9.42	0.04	2.00	1.00	0.73	3.49	5.67	0.24	12.70	2.00
802	8.02	0.90	72.36	33.16	8.06	0.91	7.98	3.00	3.29	17.88	139.22	0.00	139.22	5.51	9.43	0.04	2.00	1.00	0.73	3.50	5.51	0.24	12.72	2.00
803	8.03	0.84	69.08	33.54	8.19	0.85	8.16	3.00	3.32	17.80	139.40	0.00	139.40	5.08	9.76	0.05	2.00	1.00	0.73	3.54	5.08	0.24	12.61	2.00
804	8.04	0.84	66.56	33.83	7.89	0.85	7.86	3.00	3.31	17.75	139.58	0.00	139.58	5.07	9.41	0.05	2.00	1.00	0.73	3.53	5.07	0.24	12.80	2.00
805	8.05	0.84	63.00	34.12	7.47	0.85	7.44	3.00	3.30	17.69	139.76	0.00	139.76	5.06	8.91	0.05	2.00	1.00	0.73	3.52	5.06	0.24	13.09	2.00
806	8.06	0.85	60.44	34.79	7.12	0.86	7.05	3.00	3.28	17.65	139.93	0.00	139.93	5.13	8.43	0.05	2.00	1.00	0.72	3.50	5.13	0.25	13.36	2.00
807	8.07	0.85	57.76	35.37	6.76	0.86	6.74	3.00	3.27	17.59	140.11	0.00	140.11	5.12	8.05	0.05	3.00	1.00	0.72	3.48	5.12	0.25	13.59	2.00
808	8.08	0.87	51.80	36.99	5.95	0.88	5.90	3.00	3.22	17.48	140.28	0.00	140.28	5.26	7.02	0.05	3.00	1.00	0.72	3.44	5.26	0.26	14.27	2.00
809	8.09	0.88	48.59	38.53	5.51	0.89	5.47	3.00	3.20	17.41	140.46	0.00	140.46	5.32	6.50	0.05	3.00	1.00	0.72	3.41	5.32	0.27	14.65	2.00
810	8.10	0.89	42.69	40.83	4.82	0.90	4.75	3.00	3.16	17.27	140.63	0.00	140.63	5.39	5.63	0.05	3.00	1.00	0.72	3.37	5.39	0.29	15.33	2.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
811	8.11	0.90	39.98	42.65	4.43	0.91	4.40	3.00	3.13	17.19	140.80	0.00	140.80	5.46	5.20	0.06	3.00	1.00	0.72	3.35	5.46	0.30	15.71	2.00
812	8.12	0.91	36.45	44.85	3.99	0.92	3.96	3.00	3.10	17.09	140.97	0.00	140.97	5.52	4.68	0.06	3.00	1.00	0.72	3.32	5.52	0.32	16.19	2.00
813	8.13	0.91	35.31	45.62	3.87	0.92	3.84	3.00	3.09	17.06	141.14	0.00	141.14	5.52	4.54	0.06	3.00	1.00	0.72	3.31	5.52	0.32	16.33	2.00
814	8.14	0.92	33.14	47.25	3.61	0.93	3.56	3.00	3.07	16.99	141.31	0.00	141.31	5.58	4.20	0.06	3.00	1.00	0.72	3.29	5.58	0.33	16.67	2.00
815	8.15	0.92	32.07	48.11	3.47	0.93	3.45	3.00	3.06	16.95	141.48	0.00	141.48	5.57	4.07	0.06	3.00	1.00	0.72	3.28	5.57	0.34	16.81	2.00
816	8.16	0.92	31.18	49.07	3.39	0.93	3.35	3.00	3.05	16.92	141.65	0.00	141.65	5.57	3.95	0.06	3.00	1.00	0.72	3.27	5.57	0.35	16.92	2.00
817	8.17	0.92	29.61	50.51	3.20	0.93	3.18	3.00	3.04	16.86	141.82	0.00	141.82	5.56	3.75	0.06	3.00	1.00	0.71	3.26	5.56	0.36	17.12	2.00
818	8.18	0.92	29.04	50.89	3.14	0.93	3.12	3.00	3.04	16.84	141.99	0.00	141.99	5.55	3.68	0.06	3.00	1.00	0.71	3.26	5.55	0.36	17.20	2.00
819	8.19	0.92	28.94	51.18	3.15	0.93	3.11	3.00	3.04	16.83	142.16	0.00	142.16	5.55	3.67	0.06	3.00	1.00	0.71	3.26	5.55	0.36	17.21	2.00
820	8.20	1.00	28.41	65.46	2.84	1.01	2.80	3.00	2.98	16.84	142.33	0.00	142.33	6.12	3.26	0.08	3.00	1.00	0.71	3.19	6.12	0.46	17.92	2.00
821	8.21	1.12	28.72	71.59	2.57	1.14	2.53	3.00	2.91	16.90	142.50	0.00	142.50	6.97	2.89	0.07	3.00	1.00	0.71	3.12	6.97	0.50	18.82	2.00
822	8.22	1.37	30.39	84.05	2.22	1.39	2.19	4.00	2.81	17.04	142.67	0.00	142.67	8.73	2.44	0.07	3.00	1.00	0.71	3.00	8.73	0.59	20.51	2.00
823	8.23	1.73	31.75	99.19	1.84	1.75	1.81	4.00	2.68	17.18	142.84	0.00	142.84	11.26	1.97	0.06	4.00	1.00	0.71	2.85	11.26	0.69	23.05	4.00
824	8.24	2.18	32.70	110.60	1.50	2.20	1.48	4.00	2.55	17.30	143.01	0.00	143.01	14.41	1.59	0.05	4.00	0.95	0.72	2.71	14.65	0.77	26.43	4.00
825	8.25	3.20	33.77	112.80	1.05	3.22	1.05	5.00	2.33	17.49	143.19	0.00	143.19	21.51	1.10	0.04	5.00	0.86	0.74	2.46	22.59	0.79	34.39	6.00
826	8.26	3.60	35.53	110.50	0.99	3.62	0.98	5.00	2.27	17.59	143.36	0.00	143.36	24.27	1.02	0.03	5.00	0.84	0.75	2.40	25.70	0.77	37.10	6.00
827	8.27	4.01	39.00	39.58	0.97	4.02	0.97	5.00	2.23	17.74	143.54	0.00	143.54	26.99	1.01	0.01	5.00	0.82	0.75	2.35	28.76	0.28	39.17	6.00
828	8.28	4.22	37.33	20.22	0.88	4.22	0.88	5.00	2.19	17.70	143.72	0.00	143.72	28.39	0.91	0.00	5.00	0.80	0.76	2.31	30.43	0.14	41.32	6.00
829	8.29	4.33	35.69	18.02	0.82	4.33	0.82	5.00	2.16	17.66	143.89	0.00	143.89	29.12	0.85	0.00	5.00	0.79	0.76	2.28	31.32	0.13	42.74	6.00
830	8.30	4.44	34.59	17.63	0.78	4.44	0.78	5.00	2.14	17.64	144.07	0.00	144.07	29.84	0.80	0.00	5.00	0.78	0.76	2.26	32.21	0.12	44.01	6.00
831	8.31	4.64	34.15	12.65	0.74	4.64	0.74	5.00	2.11	17.64	144.25	0.00	144.25	31.19	0.76	0.00	5.00	0.77	0.76	2.23	33.81	0.09	45.79	6.00
832	8.32	4.75	34.90	11.88	0.74	4.75	0.73	5.00	2.10	17.67	144.42	0.00	144.42	31.91	0.76	0.00	5.00	0.77	0.76	2.22	34.65	0.08	46.39	6.00
833	8.33	4.95	36.86	10.06	0.75	4.95	0.74	5.00	2.09	17.75	144.60	0.00	144.60	33.25	0.77	0.00	5.00	0.76	0.76	2.21	36.18	0.07	47.25	6.00
834	8.34	5.03	37.58	9.39	0.75	5.03	0.75	5.00	2.08	17.78	144.78	0.00	144.78	33.76	0.77	0.00	5.00	0.76	0.76	2.20	36.77	0.06	47.59	6.00
835	8.35	5.14	38.47	7.95	0.75	5.14	0.75	5.00	2.08	17.81	144.96	0.00	144.96	34.47	0.77	0.00	5.00	0.76	0.76	2.19	37.60	0.05	48.10	6.00
836	8.36	5.16	38.78	7.19	0.75	5.16	0.75	5.00	2.08	17.82	145.13	0.00	145.13	34.56	0.77	0.00	5.00	0.76	0.76	2.19	37.71	0.05	48.12	6.00
837	8.37	5.20	41.27	6.23	0.79	5.20	0.79	5.00	2.09	17.90	145.31	0.00	145.31	34.79	0.82	0.00	5.00	0.76	0.76	2.20	37.92	0.04	47.47	6.00
838	8.38	5.23	42.79	5.85	0.82	5.23	0.82	5.00	2.09	17.94	145.49	0.00	145.49	34.96	0.84	0.00	5.00	0.76	0.76	2.21	38.08	0.04	47.12	6.00
839	8.39	5.26	44.65	5.37	0.85	5.26	0.85	5.00	2.10	17.99	145.67	0.00	145.67	35.12	0.87	0.00	5.00	0.77	0.76	2.22	38.23	0.04	46.66	6.00
840	8.40	5.33	47.20	4.50	0.89	5.33	0.89	5.00	2.10	18.06	145.85	0.00	145.85	35.55	0.91	0.00	5.00	0.77	0.76	2.22	38.68	0.03	46.27	6.00
841	8.41	5.38	47.77	4.12	0.89	5.38	0.89	5.00	2.10	18.08	146.03	0.00	146.03	35.85	0.91	0.00	5.00	0.77	0.76	2.22	39.03	0.03	46.42	6.00
842	8.42	5.56	49.75	3.83	0.89	5.56	0.89	5.00	2.09	18.14	146.21	0.00	146.21	37.03	0.92	0.00	5.00	0.76	0.76	2.21	40.39	0.03	47.04	7.00
843	8.43	5.70	51.17	3.93	0.90	5.70	0.90	5.00	2.08	18.18	146.40	0.00	146.40	37.94	0.92	0.00	5.00	0.76	0.76	2.20	41.44	0.03	47.55	7.00
844	8.44	6.08	53.22	4.12	0.88	6.08	0.88	6.00	2.05	18.25	146.58	0.00	146.58	40.49	0.90	0.00	5.00	0.75	0.76	2.17	44.43	0.03	49.55	7.00
845	8.45	6.34	53.66	3.93	0.85	6.34	0.85	6.00	2.03	18.28	146.76	0.00	146.76	42.20	0.87	0.00	5.00	0.74	0.76	2.14	46.50	0.03	51.23	7.00
846	8.46	6.98	54.29	4.03	0.78	6.98	0.78	6.00	1.97	18.33	146.95	0.00	146.95	46.51	0.79	0.00	5.00	0.72	0.77	2.08	51.68	0.03	55.54	7.00
847	8.47	7.34	54.67	4.12	0.74	7.34	0.74	6.00	1.95	18.36	147.13	0.00	147.13	48.89	0.76	0.00	6.00	0.70	0.77	2.05	54.58	0.03	57.93	7.00
848	8.48	7.72	54.64	4.03	0.71	7.72	0.71	6.00	1.91	18.37	147.31	0.00	147.31	51.41	0.72	0.00	6.00	0.69	0.77	2.02	57.68	0.03	60.64	7.00
849	8.49	8.30	53.98	4.50	0.65	8.30	0.65	6.00	1.87	18.39	147.50	0.00	147.50	55.28	0.66	0.00	6.00	0.67	0.78	1.97	62.48	0.03	65.08	7.00
850	8.50	8.47	55.05	4.60	0.65	8.47	0.65	6.00	1.86	18.42	147.68	0.00	147.68	56.36	0.66	0.00	6.00	0.67	0.78	1.96	63.80	0.03	65.78	7.00
851	8.51	8.55	55.74	4.79	0.65	8.55	0.65	6.00	1.86	18.44	147.86	0.00	147.86	56.83	0.66	0.00	6.00	0.67	0.78	1.96	64.38	0.03	65.99	7.00
852	8.52	8.46	56.41	4.89	0.67	8.46	0.67	6.00	1.87	18.45	148.05	0.00	148.05	56.15	0.68	0.00	6.00	0.67	0.77	1.97	63.54	0.03	65.01	7.00
853	8.53	8.32	57.70	4.89	0.69	8.32	0.69	6.00	1.88	18.47	148.23	0.00	148.23	55.13	0.71	0.00	6.00	0.68	0.77	1.99	62.26	0.03	63.41	7.00
854	8.54	7.88	61.42	4.98	0.78	7.88	0.78	6.00	1.93	18.52	148.42	0.00	148.42	52.10	0.79	0.00	6.00	0.70	0.77	2.04	58.42	0.03	58.78	7.00
855	8.55	7.61	63.56	4.98	0.84	7.61	0.84	6.00	1.96	18.54	148.60	0.00	148.60	50.22	0.85	0.00	5.00	0.71	0.76	2.07	56.07	0.03	56.11	7.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
856	8.56	6.99	68.70	4.98	0.98	6.99	0.98	6.00	2.03	18.60	148.79	0.00	148.79	45.99	1.00	0.00	5.00	0.74	0.75	2.15	50.80	0.03	50.24	7.00
857	8.57	6.72	70.41	4.98	1.05	6.72	1.05	5.00	2.06	18.61	148.98	0.00	148.98	44.11	1.07	0.00	5.00	0.75	0.75	2.18	48.51	0.03	47.97	7.00
858	8.58	6.42	72.68	4.98	1.13	6.42	1.13	5.00	2.10	18.63	149.16	0.00	149.16	42.05	1.16	0.00	5.00	0.77	0.74	2.22	45.99	0.03	45.41	7.00
859	8.59	5.96	76.43	4.89	1.28	5.96	1.28	5.00	2.16	18.66	149.35	0.00	149.35	38.91	1.32	0.00	5.00	0.79	0.74	2.28	42.18	0.03	41.59	7.00
860	8.60	5.78	78.00	4.89	1.35	5.78	1.35	5.00	2.18	18.67	149.54	0.00	149.54	37.66	1.39	0.00	5.00	0.80	0.73	2.31	40.66	0.03	40.11	7.00
861	8.61	5.62	79.64	4.98	1.42	5.62	1.42	5.00	2.20	18.69	149.72	0.00	149.72	36.54	1.46	0.00	5.00	0.81	0.73	2.33	39.32	0.03	38.76	7.00
862	8.62	5.35	81.54	4.98	1.52	5.35	1.52	5.00	2.24	18.69	149.91	0.00	149.91	34.70	1.57	0.00	5.00	0.83	0.72	2.37	37.13	0.03	36.76	7.00
863	8.63	5.24	82.01	5.08	1.56	5.24	1.56	5.00	2.26	18.69	150.10	0.00	150.10	33.92	1.61	0.00	5.00	0.83	0.72	2.39	36.21	0.03	36.01	7.00
864	8.64	5.16	81.91	5.08	1.59	5.16	1.59	5.00	2.26	18.69	150.28	0.00	150.28	33.34	1.63	0.00	5.00	0.84	0.72	2.40	35.55	0.03	35.56	7.00
865	8.65	4.99	80.78	5.08	1.62	4.99	1.62	5.00	2.28	18.66	150.47	0.00	150.47	32.17	1.67	0.00	5.00	0.84	0.72	2.41	34.21	0.03	34.79	7.00
866	8.66	4.87	78.10	5.08	1.61	4.87	1.60	5.00	2.29	18.61	150.66	0.00	150.66	31.33	1.65	0.00	5.00	0.85	0.71	2.42	33.29	0.03	34.61	7.00
867	8.67	4.81	76.08	5.18	1.58	4.81	1.58	5.00	2.29	18.57	150.84	0.00	150.84	30.89	1.63	0.00	5.00	0.85	0.71	2.42	32.82	0.03	34.65	7.00
868	8.68	4.75	73.91	5.18	1.55	4.75	1.56	5.00	2.29	18.54	151.03	0.00	151.03	30.46	1.61	0.00	5.00	0.85	0.71	2.42	32.36	0.03	34.72	7.00
869	8.69	4.66	68.01	5.27	1.46	4.66	1.46	5.00	2.28	18.43	151.21	0.00	151.21	29.82	1.51	0.00	5.00	0.85	0.71	2.41	31.73	0.03	35.41	7.00
870	8.70	4.63	64.70	5.27	1.40	4.63	1.40	5.00	2.27	18.37	151.40	0.00	151.40	29.59	1.44	0.00	5.00	0.84	0.71	2.41	31.53	0.03	35.94	7.00
871	8.71	4.59	61.04	5.37	1.33	4.59	1.33	5.00	2.26	18.30	151.58	0.00	151.58	29.29	1.37	0.00	5.00	0.84	0.71	2.40	31.26	0.04	36.52	7.00
872	8.72	4.52	55.37	5.37	1.23	4.52	1.22	5.00	2.24	18.18	151.76	0.00	151.76	28.79	1.27	0.00	5.00	0.83	0.71	2.38	30.80	0.04	37.42	6.00
873	8.73	4.49	53.03	5.46	1.18	4.49	1.18	5.00	2.23	18.13	151.94	0.00	151.94	28.56	1.22	0.00	5.00	0.83	0.71	2.38	30.58	0.04	37.80	6.00
874	8.74	4.46	51.20	5.46	1.15	4.46	1.15	5.00	2.23	18.09	152.12	0.00	152.12	28.33	1.19	0.00	5.00	0.83	0.71	2.37	30.36	0.04	38.05	6.00
875	8.75	4.43	47.61	5.56	1.08	4.43	1.07	5.00	2.22	18.00	152.30	0.00	152.30	28.09	1.11	0.00	5.00	0.82	0.71	2.36	30.18	0.04	38.79	6.00
876	8.76	4.40	46.10	5.56	1.05	4.40	1.05	5.00	2.21	17.96	152.48	0.00	152.48	27.86	1.09	0.00	5.00	0.82	0.71	2.36	29.95	0.04	38.98	6.00
877	8.77	4.36	43.79	5.65	1.00	4.36	1.00	5.00	2.21	17.90	152.66	0.00	152.66	27.57	1.04	0.00	5.00	0.82	0.71	2.35	29.66	0.04	39.32	6.00
878	8.78	4.35	42.98	5.75	0.99	4.35	0.99	5.00	2.20	17.88	152.84	0.00	152.84	27.47	1.02	0.00	5.00	0.82	0.71	2.35	29.57	0.04	39.47	6.00
879	8.79	4.34	41.62	5.75	0.96	4.34	0.96	5.00	2.20	17.84	153.02	0.00	153.02	27.37	0.99	0.00	5.00	0.82	0.71	2.34	29.51	0.04	39.78	6.00
880	8.80	4.34	41.02	5.85	0.95	4.34	0.94	5.00	2.19	17.82	153.20	0.00	153.20	27.34	0.98	0.00	5.00	0.82	0.71	2.34	29.49	0.04	39.94	6.00
881	8.81	4.36	39.76	5.94	0.91	4.36	0.91	5.00	2.18	17.79	153.37	0.00	153.37	27.44	0.94	0.00	5.00	0.81	0.71	2.33	29.65	0.04	40.45	6.00
882	8.82	4.37	39.35	6.04	0.90	4.37	0.90	5.00	2.18	17.78	153.55	0.00	153.55	27.47	0.93	0.00	5.00	0.81	0.71	2.32	29.71	0.04	40.63	6.00
883	8.83	4.41	38.56	6.13	0.87	4.41	0.87	5.00	2.17	17.76	153.73	0.00	153.73	27.70	0.91	0.00	5.00	0.81	0.71	2.31	30.01	0.04	41.17	6.00
884	8.84	4.45	38.15	6.13	0.86	4.45	0.86	5.00	2.16	17.75	153.91	0.00	153.91	27.92	0.89	0.00	5.00	0.80	0.71	2.31	30.30	0.04	41.59	6.00
885	8.85	4.47	37.90	6.23	0.85	4.47	0.85	5.00	2.16	17.74	154.09	0.00	154.09	28.02	0.88	0.00	5.00	0.80	0.71	2.30	30.43	0.04	41.80	6.00
886	8.86	4.55	37.46	6.33	0.82	4.55	0.82	5.00	2.14	17.74	154.26	0.00	154.26	28.50	0.85	0.00	5.00	0.80	0.72	2.29	31.03	0.04	42.55	6.00
887	8.87	4.60	37.27	6.42	0.81	4.60	0.81	5.00	2.14	17.74	154.44	0.00	154.44	28.79	0.84	0.00	5.00	0.80	0.72	2.28	31.39	0.04	42.98	6.00
888	8.88	4.68	36.80	6.52	0.79	4.68	0.79	5.00	2.12	17.73	154.62	0.00	154.62	29.28	0.81	0.00	5.00	0.79	0.72	2.27	31.99	0.04	43.74	6.00
889	8.89	4.71	36.64	6.61	0.78	4.71	0.78	5.00	2.12	17.72	154.79	0.00	154.79	29.44	0.80	0.00	5.00	0.79	0.72	2.26	32.20	0.04	44.01	6.00
890	8.90	4.70	36.61	6.61	0.78	4.70	0.78	5.00	2.12	17.72	154.97	0.00	154.97	29.34	0.81	0.00	5.00	0.79	0.72	2.26	32.09	0.04	43.92	6.00
891	8.91	4.70	36.61	6.61	0.78	4.70	0.78	5.00	2.12	17.72	155.15	0.00	155.15	29.30	0.81	0.00	5.00	0.79	0.71	2.26	32.06	0.04	43.89	6.00
892	8.92	4.70	36.61	6.61	0.78	4.70	0.78	5.00	2.12	17.72	155.33	0.00	155.33	29.27	0.81	0.00	5.00	0.79	0.71	2.26	32.02	0.04	43.87	6.00
893	8.93	4.34	30.43	7.57	0.70	4.34	0.70	5.00	2.12	17.48	155.50	0.00	155.50	26.92	0.73	0.00	5.00	0.79	0.71	2.28	29.41	0.05	43.13	6.00
894	8.94	4.31	30.58	7.57	0.71	4.31	0.71	5.00	2.13	17.48	155.68	0.00	155.68	26.70	0.74	0.00	5.00	0.80	0.71	2.28	29.14	0.05	42.80	6.00
895	8.95	4.29	30.55	7.57	0.71	4.29	0.71	5.00	2.13	17.48	155.85	0.00	155.85	26.54	0.74	0.00	5.00	0.80	0.71	2.28	28.96	0.05	42.63	6.00
896	8.96	4.28	30.77	7.48	0.72	4.28	0.72	5.00	2.14	17.49	156.03	0.00	156.03	26.44	0.75	0.00	5.00	0.80	0.71	2.29	28.84	0.05	42.45	6.00
897	8.97	4.30	30.84	7.48	0.72	4.30	0.72	5.00	2.13	17.49	156.20	0.00	156.20	26.54	0.74	0.00	5.00	0.80	0.71	2.29	28.96	0.05	42.56	6.00
898	8.98	4.33	30.99	7.57	0.72	4.33	0.72	5.00	2.13	17.50	156.38	0.00	156.38	26.70	0.74	0.00	5.00	0.80	0.71	2.28	29.16	0.05	42.73	6.00
899	8.99	4.36	30.96	7.57	0.71	4.36	0.71	5.00	2.13	17.50	156.55	0.00	156.55	26.86	0.74	0.00	5.00	0.80	0.71	2.28	29.36	0.05	42.96	6.00
900	9.00	4.42	30.96	7.57	0.70	4.42	0.70	5.00	2.12	17.51	156.73	0.00	156.73	27.21	0.73	0.00	5.00	0.79	0.71	2.27	29.79	0.05	43.43	6.00

GeoDeep
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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
901	9.01	4.46	31.06	7.57	0.70	4.46	0.70	5.00	2.11	17.51	156.90	0.00	156.90	27.44	0.72	0.00	5.00	0.79	0.71	2.27	30.07	0.05	43.70	6.00
902	9.02	4.58	31.18	7.67	0.68	4.58	0.68	5.00	2.10	17.53	157.08	0.00	157.08	28.17	0.70	0.00	5.00	0.78	0.71	2.25	30.96	0.05	44.61	6.00
903	9.03	4.65	31.34	7.67	0.67	4.65	0.67	5.00	2.09	17.54	157.25	0.00	157.25	28.58	0.70	0.00	5.00	0.78	0.71	2.24	31.46	0.05	45.10	6.00
904	9.04	4.80	32.48	7.76	0.68	4.80	0.68	5.00	2.08	17.59	157.43	0.00	157.43	29.50	0.70	0.00	5.00	0.78	0.71	2.23	32.55	0.05	45.87	6.00
905	9.05	4.87	33.11	7.86	0.68	4.87	0.68	5.00	2.07	17.62	157.60	0.00	157.60	29.91	0.70	0.00	5.00	0.77	0.71	2.22	33.04	0.05	46.17	6.00
906	9.06	5.12	34.90	7.95	0.68	5.12	0.68	6.00	2.06	17.70	157.78	0.00	157.78	31.46	0.70	0.00	5.00	0.77	0.71	2.20	34.88	0.05	47.48	6.00
907	9.07	5.44	36.51	8.15	0.67	5.44	0.67	6.00	2.03	17.78	157.96	0.00	157.96	33.45	0.69	0.00	5.00	0.76	0.71	2.17	37.27	0.05	49.37	6.00
908	9.08	5.64	36.98	8.24	0.66	5.64	0.66	6.00	2.01	17.80	158.14	0.00	158.14	34.68	0.67	0.00	5.00	0.75	0.72	2.15	38.78	0.05	50.73	6.00
909	9.09	5.86	37.43	8.34	0.64	5.86	0.64	6.00	1.99	17.83	158.31	0.00	158.31	36.03	0.66	0.00	5.00	0.74	0.72	2.13	40.45	0.05	52.25	6.00
910	9.10	6.08	38.02	8.43	0.63	6.08	0.63	6.00	1.97	17.87	158.49	0.00	158.49	37.37	0.64	0.00	5.00	0.73	0.72	2.11	42.11	0.05	53.71	6.00
911	9.11	6.52	39.63	8.63	0.61	6.52	0.61	6.00	1.94	17.94	158.67	0.00	158.67	40.10	0.62	0.00	5.00	0.72	0.72	2.08	45.48	0.05	56.42	6.00
912	9.12	6.88	42.28	8.82	0.61	6.88	0.61	6.00	1.92	18.03	158.85	0.00	158.85	42.32	0.63	0.00	6.00	0.71	0.73	2.06	48.17	0.06	58.00	6.00
913	9.13	7.08	43.79	8.91	0.62	7.08	0.62	6.00	1.91	18.09	159.03	0.00	159.03	43.53	0.63	0.00	6.00	0.71	0.73	2.05	49.64	0.06	58.82	7.00
914	9.14	7.44	46.63	9.01	0.63	7.44	0.63	6.00	1.90	18.18	159.22	0.00	159.22	45.74	0.64	0.00	6.00	0.70	0.73	2.03	52.34	0.06	60.22	7.00
915	9.15	7.44	46.63	9.01	0.63	7.44	0.63	6.00	1.90	18.18	159.40	0.00	159.40	45.69	0.64	0.00	6.00	0.70	0.73	2.03	52.29	0.06	60.19	7.00
916	9.16	7.72	49.31	9.20	0.64	7.72	0.64	6.00	1.89	18.26	159.58	0.00	159.58	47.39	0.65	0.00	6.00	0.70	0.73	2.02	54.35	0.06	61.03	7.00
917	9.17	7.75	50.26	9.10	0.65	7.75	0.65	6.00	1.89	18.28	159.76	0.00	159.76	47.52	0.66	0.00	6.00	0.70	0.73	2.02	54.49	0.06	60.80	7.00
918	9.18	7.57	52.18	9.10	0.69	7.57	0.69	6.00	1.92	18.31	159.95	0.00	159.95	46.34	0.70	0.00	6.00	0.71	0.72	2.05	52.93	0.06	58.67	7.00
919	9.19	7.38	53.16	9.01	0.72	7.38	0.72	6.00	1.94	18.32	160.13	0.00	160.13	45.10	0.74	0.00	6.00	0.72	0.72	2.07	51.33	0.06	56.90	7.00
920	9.20	6.84	53.54	8.91	0.78	6.84	0.78	6.00	1.98	18.30	160.31	0.00	160.31	41.68	0.80	0.00	5.00	0.74	0.71	2.12	47.03	0.06	52.96	7.00
921	9.21	6.52	53.66	8.82	0.82	6.52	0.82	6.00	2.01	18.29	160.49	0.00	160.49	39.64	0.84	0.00	5.00	0.75	0.71	2.15	44.48	0.05	50.67	7.00
922	9.22	5.85	53.66	8.63	0.92	5.85	0.92	5.00	2.08	18.25	160.68	0.00	160.68	35.42	0.94	0.00	5.00	0.78	0.70	2.22	39.26	0.05	46.03	7.00
923	9.23	5.55	53.51	8.53	0.96	5.55	0.96	5.00	2.11	18.22	160.86	0.00	160.86	33.51	0.99	0.00	5.00	0.79	0.69	2.26	36.93	0.05	44.00	6.00
924	9.24	5.02	52.91	8.24	1.05	5.02	1.05	5.00	2.17	18.17	161.04	0.00	161.04	30.18	1.09	0.00	5.00	0.81	0.69	2.32	32.89	0.05	40.54	6.00
925	9.25	4.79	52.62	8.24	1.10	4.79	1.10	5.00	2.19	18.15	161.22	0.00	161.22	28.72	1.14	0.00	5.00	0.83	0.68	2.35	31.14	0.05	39.04	6.00
926	9.26	4.58	52.72	8.15	1.15	4.58	1.15	5.00	2.22	18.13	161.40	0.00	161.40	27.39	1.19	0.00	5.00	0.84	0.68	2.38	29.53	0.05	37.57	6.00
927	9.27	4.24	52.43	7.95	1.24	4.24	1.24	5.00	2.27	18.10	161.59	0.00	161.59	25.25	1.29	0.00	5.00	0.86	0.67	2.43	26.99	0.05	35.33	6.00
928	9.28	4.11	52.28	7.95	1.27	4.11	1.27	5.00	2.28	18.08	161.77	0.00	161.77	24.42	1.32	0.00	5.00	0.87	0.67	2.45	26.00	0.05	34.48	6.00
929	9.29	3.91	51.90	7.76	1.33	3.91	1.33	5.00	2.31	18.05	161.95	0.00	161.95	23.15	1.38	0.00	5.00	0.88	0.66	2.49	24.52	0.05	33.21	6.00
930	9.30	3.85	52.02	7.76	1.35	3.85	1.35	5.00	2.32	18.05	162.13	0.00	162.13	22.76	1.41	0.00	5.00	0.88	0.66	2.50	24.05	0.05	32.77	6.00
931	9.31	3.83	52.02	7.86	1.36	3.83	1.36	5.00	2.33	18.05	162.31	0.00	162.31	22.61	1.42	0.00	5.00	0.88	0.66	2.50	23.88	0.05	32.62	6.00
932	9.32	3.90	52.69	7.95	1.35	3.90	1.35	5.00	2.32	18.07	162.49	0.00	162.49	23.01	1.41	0.00	5.00	0.88	0.66	2.49	24.35	0.05	32.93	6.00
933	9.33	3.99	52.72	8.05	1.32	3.99	1.32	5.00	2.30	18.08	162.67	0.00	162.67	23.54	1.38	0.00	5.00	0.88	0.66	2.48	24.97	0.05	33.50	6.00
934	9.34	4.40	51.93	8.34	1.18	4.40	1.18	5.00	2.24	18.10	162.85	0.00	162.85	26.03	1.23	0.00	5.00	0.85	0.67	2.41	27.96	0.05	36.41	6.00
935	9.35	4.70	51.24	8.53	1.09	4.70	1.09	5.00	2.20	18.11	163.03	0.00	163.03	27.84	1.13	0.00	5.00	0.83	0.67	2.36	30.18	0.05	38.61	6.00
936	9.36	5.07	50.67	8.72	1.00	5.07	1.00	5.00	2.15	18.13	163.21	0.00	163.21	30.08	1.03	0.00	5.00	0.81	0.68	2.31	32.92	0.05	41.27	6.00
937	9.37	5.80	50.48	9.10	0.87	5.80	0.87	5.00	2.07	18.17	163.39	0.00	163.39	34.51	0.90	0.00	5.00	0.78	0.69	2.22	38.40	0.06	46.37	6.00
938	9.38	6.10	51.20	9.20	0.84	6.10	0.84	6.00	2.04	18.21	163.58	0.00	163.58	36.30	0.86	0.00	5.00	0.77	0.69	2.19	40.62	0.06	48.20	6.00
939	9.39	6.56	52.62	9.39	0.80	6.56	0.80	6.00	2.00	18.27	163.76	0.00	163.76	39.07	0.82	0.00	5.00	0.75	0.70	2.15	44.05	0.06	50.88	7.00
940	9.40	6.72	53.57	9.39	0.80	6.72	0.80	6.00	1.99	18.30	163.94	0.00	163.94	40.00	0.82	0.00	5.00	0.75	0.70	2.14	45.20	0.06	51.63	7.00
941	9.41	6.98	56.12	9.49	0.80	6.98	0.80	6.00	1.98	18.37	164.13	0.00	164.13	41.54	0.82	0.00	5.00	0.74	0.70	2.13	47.07	0.06	52.48	7.00
942	9.42	7.06	56.72	9.58	0.80	7.06	0.80	6.00	1.98	18.38	164.31	0.00	164.31	41.98	0.82	0.00	5.00	0.74	0.70	2.12	47.62	0.06	52.78	7.00
943	9.43	7.15	56.88	9.58	0.80	7.15	0.80	6.00	1.97	18.39	164.49	0.00	164.49	42.48	0.81	0.00	5.00	0.74	0.70	2.11	48.26	0.06	53.31	7.00
944	9.44	7.18	56.34	9.58	0.78	7.18	0.78	6.00	1.97	18.38	164.68	0.00	164.68	42.61	0.80	0.00	5.00	0.74	0.70	2.11	48.47	0.06	53.68	7.00
945	9.45	7.15	55.59	9.68	0.78	7.15	0.78	6.00	1.97	18.36	164.86	0.00	164.86	42.38	0.80	0.00	5.00	0.74	0.70	2.11	48.22	0.06	53.72	7.00

GeoDeep
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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
946	9.46	7.11	55.52	9.68	0.78	7.11	0.78	6.00	1.97	18.36	165.04	0.00	165.04	42.09	0.80	0.00	5.00	0.74	0.70	2.11	47.87	0.06	53.45	7.00
947	9.47	7.05	55.62	9.68	0.79	7.05	0.79	6.00	1.97	18.36	165.23	0.00	165.23	41.68	0.81	0.00	5.00	0.74	0.70	2.12	47.35	0.06	52.99	7.00
948	9.48	6.93	55.21	9.58	0.80	6.93	0.80	6.00	1.98	18.34	165.41	0.00	165.41	40.91	0.82	0.00	5.00	0.74	0.69	2.13	46.40	0.06	52.29	7.00
949	9.49	6.89	55.08	9.68	0.80	6.89	0.80	6.00	1.99	18.34	165.59	0.00	165.59	40.62	0.82	0.00	5.00	0.74	0.69	2.13	46.05	0.06	52.04	7.00
950	9.50	6.76	54.17	9.68	0.80	6.76	0.80	6.00	1.99	18.31	165.78	0.00	165.78	39.79	0.82	0.00	5.00	0.75	0.69	2.14	45.05	0.06	51.45	7.00
951	9.51	6.69	53.51	9.68	0.80	6.69	0.80	6.00	2.00	18.29	165.96	0.00	165.96	39.32	0.82	0.00	5.00	0.75	0.69	2.15	44.50	0.06	51.18	7.00
952	9.52	6.63	53.03	9.68	0.80	6.63	0.80	6.00	2.00	18.28	166.14	0.00	166.14	38.92	0.82	0.00	5.00	0.75	0.69	2.15	44.01	0.06	50.91	7.00
953	9.53	6.48	52.15	9.68	0.80	6.48	0.80	6.00	2.01	18.25	166.33	0.00	166.33	37.97	0.83	0.00	5.00	0.76	0.69	2.16	42.86	0.06	50.16	7.00
954	9.54	6.40	51.77	9.58	0.81	6.40	0.81	6.00	2.01	18.24	166.51	0.00	166.51	37.45	0.83	0.00	5.00	0.76	0.69	2.17	42.23	0.06	49.71	7.00
955	9.55	6.22	52.97	9.58	0.85	6.22	0.85	6.00	2.04	18.26	166.69	0.00	166.69	36.33	0.87	0.00	5.00	0.77	0.68	2.19	40.78	0.06	48.05	7.00
956	9.56	6.12	54.14	9.58	0.88	6.12	0.88	6.00	2.05	18.27	166.87	0.00	166.87	35.69	0.91	0.00	5.00	0.77	0.68	2.21	39.94	0.06	46.98	7.00
957	9.57	5.94	55.90	9.58	0.94	5.94	0.94	5.00	2.08	18.30	167.06	0.00	167.06	34.57	0.97	0.00	5.00	0.78	0.68	2.24	38.49	0.06	45.21	7.00
958	9.58	5.85	56.31	9.58	0.96	5.85	0.96	5.00	2.09	18.30	167.24	0.00	167.24	33.99	0.99	0.00	5.00	0.79	0.67	2.25	37.77	0.06	44.47	7.00
959	9.59	5.75	56.69	9.49	0.99	5.75	0.99	5.00	2.10	18.30	167.42	0.00	167.42	33.36	1.02	0.00	5.00	0.79	0.67	2.26	36.97	0.06	43.68	7.00
960	9.60	5.56	57.54	9.49	1.03	5.56	1.03	5.00	2.13	18.31	167.61	0.00	167.61	32.18	1.07	0.00	5.00	0.81	0.67	2.29	35.50	0.06	42.18	7.00
961	9.61	5.48	57.57	9.49	1.05	5.48	1.05	5.00	2.13	18.30	167.79	0.00	167.79	31.67	1.08	0.00	5.00	0.81	0.66	2.30	34.87	0.06	41.63	6.00
962	9.62	5.30	56.63	9.39	1.07	5.30	1.07	5.00	2.15	18.27	167.97	0.00	167.97	30.56	1.10	0.00	5.00	0.82	0.66	2.32	33.54	0.06	40.69	6.00
963	9.63	5.21	55.90	9.39	1.07	5.21	1.07	5.00	2.16	18.25	168.15	0.00	168.15	30.00	1.11	0.00	5.00	0.82	0.66	2.33	32.87	0.06	40.28	6.00
964	9.64	5.01	54.36	9.30	1.09	5.01	1.08	5.00	2.17	18.20	168.34	0.00	168.34	28.77	1.12	0.00	5.00	0.83	0.66	2.35	31.41	0.06	39.35	6.00
965	9.65	4.89	53.76	9.30	1.10	4.89	1.10	5.00	2.19	18.18	168.52	0.00	168.52	28.03	1.14	0.00	5.00	0.83	0.65	2.36	30.52	0.06	38.69	6.00
966	9.66	4.63	52.06	9.20	1.13	4.63	1.12	5.00	2.21	18.12	168.70	0.00	168.70	26.46	1.17	0.00	5.00	0.84	0.65	2.39	28.65	0.05	37.37	6.00
967	9.67	4.50	51.02	9.20	1.13	4.50	1.13	5.00	2.22	18.09	168.88	0.00	168.88	25.66	1.18	0.00	5.00	0.85	0.65	2.40	27.71	0.05	36.75	6.00
968	9.68	4.36	50.48	9.10	1.16	4.36	1.16	5.00	2.24	18.06	169.06	0.00	169.06	24.80	1.20	0.00	5.00	0.86	0.64	2.42	26.68	0.05	35.92	6.00
969	9.69	4.12	48.71	8.91	1.18	4.12	1.18	5.00	2.27	18.00	169.24	0.00	169.24	23.36	1.23	0.00	5.00	0.87	0.64	2.45	24.99	0.05	34.71	6.00
970	9.70	4.03	47.74	8.91	1.18	4.03	1.18	5.00	2.27	17.97	169.42	0.00	169.42	22.80	1.24	0.00	5.00	0.87	0.64	2.46	24.34	0.05	34.31	6.00
971	9.71	3.89	45.28	8.91	1.16	3.89	1.16	5.00	2.28	17.89	169.60	0.00	169.60	21.95	1.22	0.00	5.00	0.88	0.64	2.47	23.39	0.05	33.91	6.00
972	9.72	3.84	44.24	8.91	1.15	3.84	1.15	5.00	2.28	17.86	169.78	0.00	169.78	21.63	1.20	0.00	5.00	0.88	0.64	2.48	23.03	0.05	33.79	6.00
973	9.73	3.80	41.78	8.91	1.10	3.80	1.10	5.00	2.28	17.79	169.96	0.00	169.96	21.37	1.15	0.00	5.00	0.88	0.64	2.47	22.79	0.05	34.08	6.00
974	9.74	3.81	40.20	8.91	1.06	3.81	1.05	5.00	2.27	17.75	170.13	0.00	170.13	21.41	1.10	0.00	5.00	0.87	0.64	2.46	22.88	0.05	34.52	6.00
975	9.75	3.84	38.78	8.91	1.01	3.84	1.01	5.00	2.25	17.71	170.31	0.00	170.31	21.56	1.06	0.00	5.00	0.87	0.64	2.45	23.10	0.05	35.07	6.00
976	9.76	3.97	36.07	9.01	0.91	3.97	0.91	5.00	2.22	17.64	170.49	0.00	170.49	22.30	0.95	0.00	5.00	0.85	0.64	2.41	24.09	0.05	36.71	6.00
977	9.77	4.06	35.41	9.10	0.87	4.06	0.87	5.00	2.20	17.63	170.66	0.00	170.66	22.80	0.91	0.00	5.00	0.84	0.64	2.39	24.73	0.05	37.54	6.00
978	9.78	4.34	34.59	9.30	0.80	4.34	0.80	5.00	2.15	17.63	170.84	0.00	170.84	24.42	0.83	0.00	5.00	0.83	0.65	2.34	26.75	0.05	39.86	6.00
979	9.79	4.52	34.75	9.49	0.77	4.52	0.77	5.00	2.13	17.65	171.02	0.00	171.02	25.44	0.80	0.00	5.00	0.82	0.65	2.31	28.02	0.06	41.15	6.00
980	9.80	4.91	36.64	9.68	0.75	4.91	0.75	5.00	2.09	17.74	171.19	0.00	171.19	27.69	0.77	0.00	5.00	0.80	0.66	2.27	30.76	0.06	43.47	6.00
981	9.81	5.11	38.09	9.78	0.75	5.11	0.75	5.00	2.08	17.80	171.37	0.00	171.37	28.83	0.77	0.00	5.00	0.79	0.66	2.25	32.14	0.06	44.46	6.00
982	9.82	5.31	40.01	9.87	0.75	5.31	0.75	6.00	2.07	17.87	171.55	0.00	171.55	29.97	0.78	0.00	5.00	0.79	0.66	2.24	33.50	0.06	45.28	6.00
983	9.83	5.64	45.34	9.97	0.80	5.64	0.80	6.00	2.06	18.04	171.73	0.00	171.73	31.85	0.83	0.00	5.00	0.78	0.66	2.23	35.69	0.06	45.88	6.00
984	9.84	5.77	47.86	10.06	0.83	5.77	0.83	6.00	2.06	18.11	171.91	0.00	171.91	32.58	0.85	0.00	5.00	0.78	0.66	2.23	36.52	0.06	45.96	6.00
985	9.85	6.06	52.09	10.16	0.86	6.06	0.86	6.00	2.05	18.23	172.09	0.00	172.09	34.23	0.88	0.00	5.00	0.78	0.66	2.22	38.46	0.06	46.59	6.00
986	9.86	6.20	53.54	10.25	0.86	6.20	0.86	6.00	2.04	18.27	172.28	0.00	172.28	35.00	0.89	0.00	5.00	0.78	0.66	2.21	39.41	0.06	47.06	6.00
987	9.87	6.49	53.76	10.35	0.83	6.49	0.83	6.00	2.02	18.29	172.46	0.00	172.46	36.64	0.85	0.00	5.00	0.77	0.67	2.18	41.51	0.06	48.91	7.00
988	9.88	6.66	53.44	10.45	0.80	6.66	0.80	6.00	2.00	18.29	172.64	0.00	172.64	37.59	0.82	0.00	5.00	0.76	0.67	2.16	42.74	0.06	50.14	7.00
989	9.89	6.94	52.50	10.54	0.76	6.94	0.76	6.00	1.97	18.29	172.83	0.00	172.83	39.17	0.78	0.00	5.00	0.75	0.67	2.13	44.83	0.06	52.34	7.00
990	9.90	7.08	51.61	10.54	0.73	7.08	0.73	6.00	1.95	18.27	173.01	0.00	173.01	39.94	0.75	0.00	5.00	0.74	0.67	2.11	45.88	0.06	53.59	7.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
991	9.91	7.08	51.61	10.54	0.73	7.08	0.73	6.00	1.95	18.27	173.19	0.00	173.19	39.89	0.75	0.00	5.00	0.74	0.67	2.11	45.84	0.06	53.57	7.00
992	9.92	7.08	51.61	10.54	0.73	7.08	0.73	6.00	1.95	18.27	173.37	0.00	173.37	39.85	0.75	0.00	5.00	0.74	0.67	2.11	45.80	0.06	53.54	7.00
993	9.93	7.35	31.78	9.68	0.43	7.35	0.43	6.00	1.82	17.73	173.55	0.00	173.55	41.36	0.44	0.00	6.00	0.69	0.69	1.98	48.86	0.06	64.24	6.00
994	9.94	7.45	30.87	9.58	0.41	7.45	0.41	6.00	1.81	17.70	173.73	0.00	173.73	41.89	0.42	0.00	6.00	0.68	0.69	1.97	49.65	0.06	65.51	6.00
995	9.95	7.47	30.68	9.58	0.41	7.47	0.41	6.00	1.81	17.70	173.90	0.00	173.90	41.97	0.42	0.00	6.00	0.68	0.69	1.96	49.78	0.06	65.74	6.00
996	9.96	7.43	29.76	9.49	0.40	7.43	0.40	6.00	1.80	17.66	174.08	0.00	174.08	41.69	0.41	0.00	6.00	0.68	0.69	1.96	49.49	0.05	65.88	6.00
997	9.97	7.25	29.48	9.49	0.41	7.25	0.41	6.00	1.82	17.64	174.26	0.00	174.26	40.62	0.42	0.00	6.00	0.69	0.69	1.98	48.08	0.05	64.52	6.00
998	9.98	7.14	29.48	9.39	0.41	7.14	0.41	6.00	1.82	17.63	174.43	0.00	174.43	39.94	0.42	0.00	6.00	0.69	0.69	1.99	47.20	0.05	63.58	6.00
999	9.99	6.78	30.30	9.30	0.45	6.78	0.45	6.00	1.86	17.65	174.61	0.00	174.61	37.84	0.46	0.00	6.00	0.71	0.68	2.02	44.36	0.05	60.17	6.00
1000	10.00	5.43	33.36	9.10	0.61	5.43	0.61	6.00	2.01	17.67	174.79	0.00	174.79	30.08	0.63	0.00	5.00	0.77	0.66	2.19	34.08	0.05	48.11	6.00

GeoDeep
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	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
1	0.01	0.03	0.06	1.00	2.29E-010	4.11E-010	0.00	0.02	0.00	0.00	0.00	2.24	15.00	1.99	14.49	0.30	0.18	40.01	0.00	1.00	34.82	0.00	1.99	31.74	18.70	0.44	13.73	N/A	N/A	N/A	N/A
2	0.02	0.10	0.13	1.00	1.75E-009	3.51E-008	1.00	0.20	0.00	0.00	0.00	3.76	15.00	6.65	24.20	0.30	0.59	51.85	0.00	1.00	53.70	0.00	6.65	12.62	24.85	0.47	13.73	N/A	N/A	N/A	N/A
3	0.03	0.10	0.13	1.00	1.74E-009	3.48E-008	1.00	0.20	0.00	0.00	0.00	3.76	15.00	6.64	16.11	0.30	0.59	51.84	0.00	1.00	53.62	0.00	6.64	12.64	24.84	0.32	13.73	N/A	N/A	N/A	N/A
4	0.04	0.10	0.13	1.00	1.74E-009	3.46E-008	1.00	0.20	0.00	0.00	0.00	3.76	15.00	6.63	12.07	0.30	0.59	51.82	0.00	1.00	53.55	0.00	6.63	12.65	24.84	0.24	13.73	N/A	N/A	N/A	N/A
5	0.05	0.53	0.41	0.00	0.00E+000	0.00E+000	2.00	5.53	0.00	0.00	0.00	7.83	0.00	0.00	0.00	0.30	0.00	74.76	0.00	0.00	0.00	0.00	0.00	2.69	28.10	0.02	13.73	N/A	N/A	N/A	N/A
6	0.06	0.83	0.54	0.00	0.00E+000	0.00E+000	3.00	11.61	0.00	0.00	0.00	9.55	0.00	0.00	0.00	0.30	0.00	82.59	0.00	0.00	0.00	0.00	0.00	1.78	29.17	0.02	13.73	N/A	N/A	N/A	N/A
7	0.07	1.34	0.82	0.00	0.00E+000	0.00E+000	4.00	16.12	0.00	0.00	0.00	11.84	0.00	0.00	0.00	0.30	0.00	91.98	0.00	0.00	0.00	0.00	0.00	1.36	35.91	0.02	13.73	N/A	N/A	N/A	N/A
8	0.08	1.41	1.29	0.00	0.00E+000	0.00E+000	4.00	16.66	0.00	0.00	0.00	12.24	0.00	0.00	0.00	0.30	0.00	93.51	0.00	0.00	0.00	0.00	0.00	1.34	37.36	0.02	13.73	N/A	N/A	N/A	N/A
9	0.09	1.44	1.36	0.00	0.00E+000	0.00E+000	4.00	16.84	0.00	0.00	0.00	12.38	0.00	0.00	0.00	0.30	0.00	94.04	0.00	0.00	0.00	0.00	0.00	1.34	37.94	0.02	13.73	N/A	N/A	N/A	N/A
10	0.10	1.43	3.18	5.00	3.74E-006	6.99E-003	4.00	18.32	28.00	30.00	14.62	14.17	0.00	0.00	0.00	0.30	0.00	98.06	0.03	0.00	0.00	0.00	0.80	1.42	40.11	0.03	14.46	N/A	N/A	N/A	N/A
11	0.11	1.41	4.60	5.00	2.51E-006	4.97E-003	4.00	19.41	28.00	30.00	15.48	15.45	0.00	0.00	0.00	0.30	0.00	100.94	0.02	0.00	0.00	0.00	0.88	1.52	42.28	0.03	14.87	N/A	N/A	N/A	N/A
12	0.12	1.41	6.78	5.00	1.62E-006	3.25E-003	4.00	19.70	28.00	30.00	16.77	17.23	0.00	0.00	0.00	0.30	0.00	105.05	0.01	0.00	0.00	0.00	0.97	1.67	46.40	0.04	15.32	N/A	N/A	N/A	N/A
13	0.13	1.32	6.81	5.00	1.23E-006	2.32E-003	4.00	18.44	27.00	30.00	16.49	16.92	0.00	0.00	0.00	0.30	0.00	104.15	0.01	0.00	0.00	0.00	1.06	1.78	46.41	0.04	15.30	N/A	N/A	N/A	N/A
14	0.14	1.34	7.03	5.00	1.26E-006	2.40E-003	4.00	18.72	27.00	30.00	16.68	17.16	0.00	0.00	0.00	0.30	0.00	104.75	0.01	0.00	0.00	0.00	1.15	1.78	46.87	0.04	15.34	N/A	N/A	N/A	N/A
15	0.15	1.35	7.47	5.00	1.20E-006	2.30E-003	4.00	18.86	28.00	30.00	16.95	17.52	0.00	0.00	0.00	0.30	0.00	105.59	0.01	0.00	0.00	0.00	1.24	1.80	47.80	0.05	15.42	N/A	N/A	N/A	N/A
16	0.16	1.32	8.29	5.00	9.52E-007	1.79E-003	4.00	18.44	27.00	30.00	17.27	17.98	0.00	0.00	0.00	0.30	0.00	106.59	0.00	0.00	0.00	0.00	1.33	1.91	49.70	0.05	15.53	N/A	N/A	N/A	N/A
17	0.17	1.32	9.49	5.00	7.89E-007	1.48E-003	4.00	18.43	27.00	30.35	17.86	18.79	0.00	0.00	0.00	0.30	0.00	108.41	-0.01	0.00	0.00	0.00	1.44	2.02	52.39	0.06	15.68	N/A	N/A	N/A	N/A
18	0.18	1.30	9.18	5.00	7.76E-007	1.44E-003	4.00	18.15	27.00	30.28	17.64	18.50	0.00	0.00	0.00	0.30	0.00	107.74	-0.01	0.00	0.00	0.00	1.52	2.03	51.84	0.06	15.64	N/A	N/A	N/A	N/A
19	0.19	1.29	9.59	5.00	7.07E-007	1.30E-003	4.00	18.01	27.00	30.42	17.80	18.73	0.00	0.00	0.00	0.30	0.00	108.23	-0.01	0.00	0.00	0.00	1.63	2.08	52.87	0.07	15.69	N/A	N/A	N/A	N/A
20	0.20	1.28	9.62	5.00	6.81E-007	1.24E-003	4.00	17.87	27.00	30.44	17.78	18.71	0.00	0.00	0.00	0.30	0.00	108.16	-0.01	0.00	0.00	0.00	1.72	2.11	53.03	0.07	15.69	N/A	N/A	N/A	N/A
21	0.21	1.22	10.97	5.00	4.61E-007	8.00E-004	4.00	17.02	26.00	30.93	18.18	19.29	0.00	0.00	0.00	0.30	0.00	109.38	-0.02	0.00	0.00	0.00	1.85	2.37	56.96	0.09	15.82	N/A	N/A	N/A	N/A
22	0.22	1.20	10.31	5.00	4.71E-007	8.04E-004	4.00	16.74	26.00	30.76	17.81	18.80	0.00	0.00	0.00	0.30	0.00	108.25	-0.02	0.00	0.00	0.00	1.93	2.36	55.62	0.08	15.74	N/A	N/A	N/A	N/A
23	0.23	1.16	10.66	5.00	3.89E-007	6.42E-004	4.00	16.18	26.00	30.94	17.81	18.84	0.00	0.00	0.00	0.30	0.00	108.27	-0.02	0.00	0.00	0.00	2.04	2.50	57.10	0.09	15.77	N/A	N/A	N/A	N/A
24	0.24	1.14	10.18	5.00	3.88E-007	6.28E-004	4.00	15.90	25.00	30.83	17.52	18.46	0.00	0.00	0.00	0.30	0.00	107.36	-0.02	0.00	0.00	0.00	2.12	2.51	56.18	0.08	15.71	N/A	N/A	N/A	N/A
25	0.25	1.09	9.93	5.00	3.34E-007	5.17E-004	4.00	15.20	25.00	30.86	17.21	18.07	0.00	0.00	0.00	0.30	0.00	106.40	-0.02	0.00	0.00	0.00	2.22	2.63	56.36	0.08	15.66	N/A	N/A	N/A	N/A
26	0.26	1.07	10.03	5.00	3.04E-007	4.63E-004	4.00	14.91	25.00	30.93	17.17	18.04	0.00	0.00	0.00	0.30	0.00	106.29	-0.02	0.00	0.00	0.00	2.32	2.71	57.00	0.09	15.67	N/A	N/A	N/A	N/A
27	0.27	1.05	10.40	5.00	2.66E-007	3.97E-004	4.00	14.63	24.00	31.10	17.26	18.17	0.00	0.00	0.00	0.30	0.00	106.55	-0.02	0.00	0.00	0.00	2.43	2.83	58.40	0.10	15.70	N/A	N/A	N/A	N/A
28	0.28	1.01	10.91	5.00	2.11E-007	3.02E-004	4.00	14.07	24.00	31.36	17.31	18.28	0.00	0.00	0.00	0.30	0.00	106.73	-0.03	0.00	0.00	0.00	2.55	3.06	60.66	0.12	15.74	N/A	N/A	N/A	N/A
29	0.29	1.00	11.22	5.00	1.94E-007	2.75E-004	4.00	13.93	24.00	31.48	17.40	18.41	0.00	0.00	0.00	0.30	0.00	107.01	-0.03	0.00	0.00	0.00	2.66	3.14	61.75	0.13	15.77	N/A	N/A	N/A	N/A
30	0.30	0.99	11.32	5.00	1.83E-007	2.57E-004	4.00	13.78	24.00	31.54	17.40	18.41	0.00	0.00	0.00	0.30	0.00	107.00	-0.03	0.00	0.00	0.00	2.76	3.20	62.27	0.14	15.78	N/A	N/A	N/A	N/A
31	0.31	0.99	10.66	5.00	2.00E-007	2.81E-004	4.00	13.78	24.00	31.33	17.11	18.03	0.00	0.00	0.00	0.30	0.00	106.12	-0.03	0.00	0.00	0.00	2.83	3.11	60.42	0.12	15.71	N/A	N/A	N/A	N/A
32	0.32	0.98	10.59	5.00	1.94E-007	2.70E-004	4.00	13.64	23.00	31.34	17.04	17.94	0.00	0.00	0.00	0.30	0.00	105.88	-0.03	0.00	0.00	0.00	2.93	3.14	60.45	0.12	15.69	N/A	N/A	N/A	N/A
33	0.33	0.98	10.53	5.00	1.95E-007	2.72E-004	4.00	13.64	23.00	31.32	17.01	17.90	0.00	0.00	0.00	0.30	0.00	105.80	-0.03	0.00	0.00	0.00	3.02	3.13	60.28	0.12	15.69	N/A	N/A	N/A	N/A
34	0.34	0.98	10.66	5.00	1.92E-007	2.66E-004	4.00	13.64	23.00	31.36	17.07	17.98	0.00	0.00	0.00	0.30	0.00	105.97	-0.03	0.00	0.00	0.00	3.12	3.15	60.65	0.12	15.70	N/A	N/A	N/A	N/A
35	0.35	0.99	10.40	5.00	2.07E-007	2.91E-004	4.00	13.77	24.00	31.25	17.00	17.87	0.00	0.00	0.00	0.30	0.00	105.75	-0.03	0.00	0.00	0.00	3.21	3.07	59.69	0.11	15.68	N/A	N/A	N/A	N/A
36	0.36	1.00	10.47	5.00	2.14E-007	3.03E-004	4.00	13.91	24.00	31.25	17.07	17.96	0.00	0.00	0.00	0.30	0.00	105.98	-0.03	0.00	0.00	0.00	3.30	3.04	59.67	0.11	15.69	N/A	N/A	N/A	N/A
37	0.37	1.02	10.63	5.00	2.27E-007	3.28E-004	4.00	14.19	24.00	31.25	17.23	18.16	0.00	0.00	0.00	0.30	0.00	106.46	-0.03	0.00	0.00	0.00	3.40	2.98	59.69	0.11	15.71	N/A	N/A	N/A	N/A
38	0.38	1.03	10.72	5.00	2.33E-007	3.41E-004	4.00	14.33	24.00	31.25	17.31	18.26	0.00	0.00	0.00	0.30	0.00	106.71	-0.03	0.00	0.00	0.00	3.49	2.96	59.73	0.11	15.73	N/A	N/A	N/A	N/A
39	0.39	1.03	10.81	5.00	2.30E-007	3.36E-004	4.00	14.32	24.00	31.28	17.35	18.31	0.00	0.00	0.00	0.30	0.00	106.83	-0.03	0.00	0.00	0.00	3.59	2.97	59.98	0.11	15.74	N/A	N/A	N/A	N/A
40	0.40	1.04	10.72	5.00	2.43E-007	3.58E-004	4.00	14.46	24.00	31.23	17.35	18.30	0.00	0.00	0.00	0.30	0.00	106.84	-0.03	0.00	0.00	0.00	3.68	2.92	59.52	0.11	15.73	N/A	N/A	N/A	N/A
41	0.41	1.04	10.63	5.00	2.46E-007	3.62E-004	4.00	14.46	24.00	31.20	17.31	18.25	0.00	0.00	0.00	0.30	0.00	106.71	-0.03	0.00	0.00	0.00	3.77	2.91	59.28	0.11	15.72	N/A	N/A	N/A	N/A
42	0.42	1.05	10.37	5.00	2.65E-007	3.95E-004	4.00	14.60	24.00	31.10	17.23	18.14	0.00	0.00	0.00	0.30	0.00	106.48	-0.02	0.00	0.00	0.00	3.85	2.84	58.36	0.10	15.70	N/A	N/A	N/A	N/A
43	0.43	1.06	10.37	5.00	2.76E-007	4.14E-004	4.00	14.74	24.00	31.07	17.27	18.19	0.00	0.00	0.00	0.30	0.00	106.61	-0.02	0.00	0.00	0.00	3.94	2.80	58.17	0.10	15.70	N/A	N/A	N/A	N/A
44	0.44	1.09	10.28	5.00	3.13E-007	4.84E-004	4.00	15.15	25.00	30.98	17.35	18.27	0.00	0.00	0.00	0.30	0.00	106.86	-0.02	0.00	0.00	0.00	4.02	2.68	57.36	0.09	15.70	N/A	N/A	N/A	N/A
45	0.45	1.11	10.28	5.00	3.38E-007	5.32E-004	4.00	15.43	25.00	30.93	17.43	18.37	0.00	0.00	0.00	0.30	0.00	107.10	-0.02	0.00	0.00	0.00	4.11	2.62	57.00	0.09	15.71	N/A	N/A	N/A	N/A
46	0.46	1.18	10.50	5.00	4.22E-007	7.06E-004	4.00	16.41	26.00	30.86	17.81	18.82	0.00	0.00	0.00	0.30	0.00	108.24	-0.02	0.00	0.00	0.00	4.19	2.44	56.44	0.09	15.76	N/A	N/A	N/A	N/A
47	0.47	1.23	10.66	5.00	4.91E-007	8.56E-004	4.00	17.11	26.00	30.83	18.07	19.13	0.00	0.00	0.00	0.30	0.00	109.03	-0.02	0.00	0.00	0.00	4.28	2.33	56.12	0.08	15.79	N/A	N/A	N/A	N/A
48	0.48	1.37	11.07	5.00	7.26E-007	1.41E-003	5.00	19.07	28.00	30.75	18.76	19.97	0.00	0.00	0.00	0.30	0.00	111.09	-0.02	0.00	0.00	0.00	4.36	2.07	55.52	0.08	15.87	N/A	N/A	N/A	N/A
49	0.49	1.48	11.19	5.00	9.85E-007	2.07E-003	5.00	20.60	29.00	30.69	19.18	20.48	0.00	0.00	0.00	0.30	0.00	112.34	-0.01	0.00	0.00	0.00	4.44	1.89	55.02	0.08	15.92	N/A	N/A	N/A	N/A
50	0.50	1.64	11.41	5.00	1.46E-006	3.41E-003	5.00	22.84	30.00	30.69	19.79	21.21	0.00	0.00	0.00	0.30	0.00	114.11	-0.01	0.00	0.00	0.00	4.54	1.71	55.06	0.08	15.98	N/A	N/A	N/A	N/A
51	0.51	2.00	11.82	5.00	3.16E-006	8.49E-003	6.00	26.34	34.00	30.99	21.02	22.69	0.00	0.00	0.00	0.30	0.00	117.59	-0.02	0.00	0.00	0.00	4.69	1.46	57.44	0.09	16.09	N/A	N/A	N/A	N/A
52	0.52	2.10	12.55	5.00	3.55E-006	9.80E-003	6.00	27.09	34.00	31.20	21.61	23.46	0.00	0.00	0.00	0.30	0.00	119.25	-0.02	0.00	0.00	0.00	4.83	1.43	59.22	0.11	16.18	N/A	N/A	N/A	N/A
53	0.53	2.10	14.35	5.00	2.91E-006	8.34E-003	6.00	28.08	34.00	31.42	22.40	24.54	0.00	0.00	0.00	0.30	0.00	121.40	-0.03	0.00	0.00	0.00	4.97	1.48	61.16	0.12	16.34	N/A	N/A	N/A	N/A
54	0.54	2.10	14.98	5.00	2.73E-006	7.90E-003	6.00	28.41	34.00	31.50	22.67	24.91	0.00	0.00	0.00	0.30	0.00	122.12	-0.03	0.00	0.00	0.00	5.08	1.50	61.86	0.13	16.39	N/A	N/A	N/A	N/A
55	0.55	2.09	15.92	5.00	2.43E-006	7.16E-003	6.00	28.86	34.00	31.61	23.03	25.41	0.00	0.00	0.00	0.30	0.00	123.08	-0.03	0.00	0.00	0.00	5.21	1.53	62.88	0.14	16.45	N/A	N/A	N/A	N/A
56	0.56	2.06	18.54	5.00	1.80E-006	5.26E-003	6.00	28.71	34.00	31.94	23.97	26.73	0.00	0.00	0.00	0.30	0.00	125.58	-0.04	0.00	0.00	0.00	5.38	1.63	65.99	0.18	16.62	N/A	N/A	N/A	N/A
57	0.57	2.05	19.86	5.00	1.57E-006	4.58E-003	6.00	28.57	34.00	32.12	24.43	27.37	0.00	0.00	0.00	0.30	0.00	126.79	-0.04	0.00	0.00	0.00	5.52	1.68	67.69	0.21	16.70	N/A	N/A	N/A	N/A
58	0.58	2.03	21.85	5.00	1.29E-006	3.71E-003	6.00	28.29	34.00	32.39	25.09	28.28	0.00	0.00	0.00	0.30	0.00	128.49	-0.05	0.00	0.00	0.00	5.69	1.77	70.40	0.26	16.81	N/A	N/A	N/A	N/A
59	0.59	2.01	22.80	5.00	1.15E-006	3.27E-003	6.00	28.00	34.00	32.52	25.36	28.67	0.00	0.00	0.00	0.30	0.00	129.18	-0.05	0.00	0.00	0.00	5.82	1.82	71.79	0.30	16.85	N/A	N/A	N/A	N/A
60	0.60	1.99	23.90	5.00	1.01E-006	2.86E-003	6.00	27.72	33.00	32.68	25.68	29.11	0.00	0.00	0.00	0.30	0.00	129.98	-0.06	0.00	0.00	0.00	5.97	1.88	73.46	0.34	16.90	N/A	N/A	N/A	N/A
61	0.61	1.91	26.93	5.00	6.89E-007	1.87E-003	6.00	26.60	33.00	33.15	26.41	30.16	0.00	0.00	0.00	0.30	0.00	131.83	-0.07	0.00	0.00	0.00	6.19	2.10	78.66	0.52	17.02	N/A	N/A	N/A	N/A
62	0.62	1.84	28.57	5.00	5.28E-007	1.38E-003	6.00	25.62	32.00	33.45	26.69	30.57	0.00	0.00	0.00	0.30	0.00	132.52	-0.07	0.00	0.00	0.00	6.37	2.27	82.12	0.66	17.08	N/A	N/A	N/A	N/A
63	0.63	1.68	32.57	5.00	2.81E-007	6.70E-004	6.00	23.37	31.00	34.20	27.30	31.48	0.00	0.00	0.00	0.30	0.00	134.02	-0.09	0.00	0.00	0.00	6.67	2.78	91.66	0.68	17.19	N/A	N/A	N/A	N/A
64	0.64	1.59	34.90	4.00	1.95E-007	4.39E-004	6.00	22.11	0.00	0.00	0.00	31.93	15.00	105.28	10.54	0.30	9.35	134.74	0.00	1.00	3.17	0.00	105.28	3.14	97.81	0.58	17.25	N/A	N/A	N/A	N/A
65	0.65	1.42	39.07	4.00	9.65E-008	1.94E-004	6.00	19.73	0.00	0.00	0.00	32.51	15.00	93.93	9.25	0.30	8.34	135.63	0.00	1.00	2.52	0.00	93.93	3.95	109.96	0.58	17.34	N/A	N/A	N/A	N/A
66	0.66	1.34	40.23	4.00	7.10E-008	1.35E-004	6.00	18.60	0.00	0.00	0.00	32.44	15.00	88.59	8.57	0.30	7.87	135.42	0.00	1.00	2.31	0.00	88.59	4.37	114.56	0.58	17.35	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
67	0.67	1.21	41.68	4.00	4.26E-008	7.28E-005	5.00	16.78	0.00	0.00	0.00	32.09	15.00	79.91	7.60	0.30	7.10	134.70	0.00	1.00	2.01	0.00	79.91	5.14	121.52	0.58	17.35	N/A	N/A	N/A	N/A
68	0.68	1.15	42.06	4.00	3.35E-008	5.45E-005	5.00	15.94	0.00	0.00	0.00	31.81	15.00	75.89	7.11	0.30	6.74	134.13	0.00	1.00	1.89	0.00	75.89	5.53	124.28	0.58	17.34	N/A	N/A	N/A	N/A
69	0.69	1.05	40.74	3.00	2.41E-008	3.56E-005	5.00	14.53	0.00	0.00	0.00	30.68	15.00	69.21	6.38	0.30	6.15	132.00	0.00	1.00	1.78	0.00	69.21	6.12	125.41	0.58	17.27	N/A	N/A	N/A	N/A
70	0.70	1.01	40.33	3.00	2.07E-008	2.95E-005	5.00	13.97	0.00	0.00	0.00	30.25	15.00	66.53	6.03	0.30	5.91	131.18	0.00	1.00	1.73	0.00	66.53	6.40	126.07	0.58	17.24	N/A	N/A	N/A	N/A
71	0.71	0.97	39.35	3.00	1.82E-008	2.49E-005	5.00	13.41	0.00	0.00	0.00	29.64	15.00	63.85	5.70	0.30	5.67	130.01	0.00	1.00	1.70	0.00	63.85	6.65	125.68	0.58	17.20	N/A	N/A	N/A	N/A
72	0.72	0.91	37.77	3.00	1.50E-008	1.92E-005	4.00	12.57	0.00	0.00	0.00	28.67	15.00	59.84	5.26	0.30	5.32	128.14	0.00	1.00	1.66	0.00	59.84	7.05	124.83	0.58	17.13	N/A	N/A	N/A	N/A
73	0.73	0.89	36.89	3.00	1.42E-008	1.78E-005	4.00	12.28	0.00	0.00	0.00	28.23	15.00	58.49	5.07	0.30	5.20	127.28	0.00	1.00	1.66	0.00	58.49	7.15	123.87	0.58	17.09	N/A	N/A	N/A	N/A
74	0.74	0.84	35.06	3.00	1.22E-008	1.44E-005	4.00	11.58	0.00	0.00	0.00	27.23	15.00	55.15	4.71	0.30	4.90	125.32	0.00	1.00	1.65	0.00	55.15	7.48	122.08	0.58	17.01	N/A	N/A	N/A	N/A
75	0.75	0.83	33.77	3.00	1.24E-008	1.45E-005	4.00	11.44	0.00	0.00	0.00	26.73	15.00	54.47	4.58	0.30	4.84	124.33	0.00	1.00	1.69	0.00	54.47	7.44	119.92	0.58	16.96	N/A	N/A	N/A	N/A
76	0.76	0.81	32.16	3.00	1.22E-008	1.39E-005	4.00	11.16	0.00	0.00	0.00	26.03	15.00	53.12	4.41	0.30	4.72	122.94	0.00	1.00	1.73	0.00	53.12	7.47	117.42	0.58	16.90	N/A	N/A	N/A	N/A
77	0.77	0.79	27.87	3.00	1.44E-008	1.59E-005	4.00	10.87	0.00	0.00	0.00	24.40	15.00	51.78	4.24	0.30	4.60	119.62	0.00	1.00	1.95	0.00	51.78	7.13	109.27	0.58	16.72	N/A	N/A	N/A	N/A
78	0.78	0.79	25.41	3.00	1.70E-008	1.89E-005	4.00	10.87	0.00	0.00	0.00	23.50	15.00	51.76	4.18	0.30	4.60	117.78	0.00	1.00	2.14	0.00	51.76	6.78	103.95	0.58	16.62	N/A	N/A	N/A	N/A
79	0.79	0.77	21.06	4.00	2.14E-008	2.31E-005	4.00	10.59	0.00	0.00	0.00	21.67	15.00	50.42	4.02	0.30	4.48	113.87	0.00	1.00	2.51	0.00	50.42	6.34	94.63	0.58	16.39	N/A	N/A	N/A	N/A
80	0.80	0.77	19.83	4.00	2.38E-008	2.57E-005	4.00	10.59	0.00	0.00	0.00	21.16	15.00	50.41	3.97	0.30	4.48	112.77	0.00	1.00	2.67	0.00	50.41	6.14	91.65	0.58	16.32	N/A	N/A	N/A	N/A
81	0.81	0.76	18.82	4.00	2.46E-008	2.62E-005	3.00	10.44	0.00	0.00	0.00	20.66	15.00	49.73	3.86	0.30	4.42	111.66	0.00	1.00	2.77	0.00	49.73	6.08	89.48	0.58	16.26	N/A	N/A	N/A	N/A
82	0.82	0.75	17.88	4.00	2.54E-008	2.67E-005	3.00	10.30	0.00	0.00	0.00	20.19	15.00	49.05	3.76	0.30	4.36	110.58	0.00	1.00	2.88	0.00	49.05	6.02	87.43	0.58	16.19	N/A	N/A	N/A	N/A
83	0.83	0.75	17.88	4.00	2.54E-008	2.66E-005	3.00	10.30	0.00	0.00	0.00	20.18	15.00	49.04	3.72	0.30	4.36	110.58	0.00	1.00	2.88	0.00	49.04	6.02	87.44	0.58	16.19	N/A	N/A	N/A	N/A
84	0.84	0.75	17.88	4.00	2.54E-008	2.66E-005	3.00	10.30	0.00	0.00	0.00	20.18	15.00	49.03	3.67	0.30	4.35	110.58	0.00	1.00	2.88	0.00	49.03	6.02	87.44	0.58	16.19	N/A	N/A	N/A	N/A
85	0.85	0.70	17.21	4.00	2.00E-008	1.89E-005	3.00	9.25	0.00	0.00	0.00	19.53	15.00	45.65	3.38	0.30	4.05	109.00	0.00	1.00	2.78	0.00	45.65	6.47	87.39	0.58	16.12	N/A	N/A	N/A	N/A
86	0.86	0.70	17.21	4.00	2.00E-008	1.89E-005	3.00	9.25	0.00	0.00	0.00	19.52	15.00	45.63	3.34	0.30	4.05	108.99	0.00	1.00	2.78	0.00	45.63	6.47	87.39	0.58	16.12	N/A	N/A	N/A	N/A
87	0.87	0.70	17.21	4.00	2.00E-008	1.88E-005	3.00	9.24	0.00	0.00	0.00	19.52	15.00	45.62	3.30	0.30	4.05	108.99	0.00	1.00	2.78	0.00	45.62	6.47	87.40	0.58	16.12	N/A	N/A	N/A	N/A
88	0.88	0.65	16.36	3.00	1.58E-008	1.28E-005	3.00	7.94	0.00	0.00	0.00	18.78	15.00	42.29	3.02	0.30	3.76	107.17	0.00	1.00	2.71	0.00	42.29	6.93	86.78	0.58	16.04	N/A	N/A	N/A	N/A
89	0.89	0.69	15.99	4.00	2.13E-008	1.95E-005	3.00	8.97	0.00	0.00	0.00	18.91	15.00	44.94	3.17	0.30	3.99	107.56	0.00	1.00	2.95	0.00	44.94	6.35	84.49	0.58	16.03	N/A	N/A	N/A	N/A
90	0.90	0.70	15.48	4.00	2.39E-008	2.25E-005	3.00	9.23	0.00	0.00	0.00	18.75	15.00	45.60	3.18	0.30	4.05	107.21	0.00	1.00	3.09	0.00	45.60	6.13	82.79	0.58	16.00	N/A	N/A	N/A	N/A
91	0.91	0.70	15.39	4.00	2.41E-008	2.27E-005	3.00	9.23	0.00	0.00	0.00	18.71	15.00	45.59	3.15	0.30	4.05	107.11	0.00	1.00	3.11	0.00	45.59	6.12	82.55	0.58	15.99	N/A	N/A	N/A	N/A
92	0.92	0.74	15.58	4.00	3.00E-008	3.10E-005	3.00	10.13	0.00	0.00	0.00	19.07	15.00	48.24	3.29	0.30	4.29	108.03	0.00	1.00	3.25	0.00	48.24	5.72	81.76	0.58	16.03	N/A	N/A	N/A	N/A
93	0.93	0.76	15.26	4.00	3.48E-008	3.69E-005	3.00	10.41	0.00	0.00	0.00	19.06	15.00	49.57	3.35	0.30	4.40	108.04	0.00	1.00	3.41	0.00	49.57	5.47	80.24	0.58	16.02	N/A	N/A	N/A	N/A
94	0.94	0.81	15.51	4.00	4.45E-008	5.04E-005	4.00	11.11	0.00	0.00	0.00	19.50	15.00	52.89	3.53	0.30	4.70	109.14	0.00	1.00	3.58	0.00	52.89	5.06	79.31	0.55	16.06	N/A	N/A	N/A	N/A
95	0.95	0.83	15.95	4.00	4.71E-008	5.47E-005	4.00	11.38	0.00	0.00	0.00	19.83	15.00	54.21	3.58	0.30	4.82	109.93	0.00	1.00	3.57	0.00	54.21	4.97	79.85	0.58	16.10	N/A	N/A	N/A	N/A
96	0.96	0.86	16.65	4.00	5.10E-008	6.14E-005	4.00	11.80	0.00	0.00	0.00	20.35	15.00	56.20	3.68	0.30	4.99	111.13	0.00	1.00	3.54	0.00	56.20	4.85	80.74	0.58	16.16	N/A	N/A	N/A	N/A
97	0.97	0.93	17.22	4.00	6.74E-008	8.79E-005	4.00	12.78	0.00	0.00	0.00	21.04	15.00	60.86	3.94	0.30	5.41	112.76	0.00	1.00	3.71	0.00	60.86	4.44	80.00	0.58	16.23	N/A	N/A	N/A	N/A
98	0.98	0.97	17.47	4.00	7.88E-008	1.07E-004	4.00	13.34	0.00	0.00	0.00	21.39	15.00	63.51	4.07	0.30	5.64	113.58	0.00	1.00	3.82	0.00	63.51	4.22	79.40	0.56	16.27	N/A	N/A	N/A	N/A
99	0.99	0.99	19.42	4.00	7.17E-008	9.95E-005	4.00	13.62	0.00	0.00	0.00	22.39	15.00	64.84	4.11	0.30	5.76	115.75	0.00	1.00	3.51	0.00	64.84	4.35	83.57	0.58	16.40	N/A	N/A	N/A	N/A
100	1.00	0.98	20.31	4.00	6.34E-008	8.71E-005	4.00	13.47	0.00	0.00	0.00	22.72	15.00	64.16	4.03	0.30	5.70	116.43	0.00	1.00	3.32	0.00	64.16	4.53	86.02	0.58	16.44	N/A	N/A	N/A	N/A
101	1.01	1.01	21.98	4.00	6.28E-008	8.89E-005	4.00	13.89	0.00	0.00	0.00	23.61	15.00	66.15	4.11	0.30	5.88	118.32	0.00	1.00	3.16	0.00	66.15	4.54	88.97	0.58	16.55	N/A	N/A	N/A	N/A
102	1.02	1.04	22.48	4.00	6.84E-008	9.98E-005	4.00	14.31	0.00	0.00	0.00	24.00	15.00	68.14	4.19	0.30	6.05	119.16	0.00	1.00	3.18	0.00	68.14	4.42	89.16	0.58	16.58	N/A	N/A	N/A	N/A
103	1.03	1.08	23.27	4.00	7.57E-008	1.15E-004	4.00	14.87	0.00	0.00	0.00	24.57	15.00	70.80	4.31	0.30	6.29	120.36	0.00	1.00	3.19	0.00	70.80	4.28	89.67	0.58	16.64	N/A	N/A	N/A	N/A
104	1.04	1.19	25.29	4.00	9.90E-008	1.66E-004	5.00	16.40	0.00	0.00	0.00	26.03	15.00	78.12	4.70	0.30	6.94	123.40	0.00	1.00	3.24	0.00	78.12	3.92	90.68	0.58	16.77	N/A	N/A	N/A	N/A
105	1.05	1.25	26.58	4.00	1.12E-007	1.97E-004	5.00	17.24	0.00	0.00	0.00	26.88	15.00	82.11	4.90	0.30	7.29	125.12	0.00	1.00	3.24	0.00	82.11	3.77	91.59	0.58	16.85	N/A	N/A	N/A	N/A
106	1.06	1.41	29.23	4.00	1.58E-007	3.14E-004	5.00	19.48	0.00	0.00	0.00	28.80	15.00	92.77	5.48	0.30	8.24	128.90	0.00	1.00	3.33	0.00	92.77	3.36	92.35	0.58	17.00	N/A	N/A	N/A	N/A
107	1.07	1.50	30.87	4.00	1.87E-007	3.94E-004	6.00	20.74	0.00	0.00	0.00	29.90	15.00	98.76	5.77	0.30	8.77	131.01	0.00	1.00	3.36	0.00	98.76	3.18	93.08	0.58	17.09	N/A	N/A	N/A	N/A
108	1.08	1.64	34.21	4.00	2.26E-007	5.24E-004	6.00	22.70	0.00	0.00	0.00	31.88	15.00	108.08	6.25	0.30	9.60	134.68	0.00	1.00	3.32	0.00	108.08	2.99	95.58	0.58	17.24	N/A	N/A	N/A	N/A
109	1.09	1.68	36.23	4.00	2.25E-007	5.34E-004	6.00	23.25	0.00	0.00	0.00	32.83	15.00	110.74	6.34	0.30	9.84	136.39	0.00	1.00	3.21	0.00	110.74	2.99	98.07	0.58	17.32	N/A	N/A	N/A	N/A
110	1.10	1.71	39.85	4.00	2.03E-007	4.89E-004	6.00	23.67	0.00	0.00	0.00	34.30	15.00	112.73	6.39	0.30	10.01	138.93	0.00	1.00	2.97	0.00	112.73	3.10	103.38	0.58	17.43	N/A	N/A	N/A	N/A
111	1.11	1.69	42.09	4.00	1.73E-007	4.13E-004	6.00	23.39	0.00	0.00	0.00	34.98	15.00	111.38	6.25	0.30	9.89	140.07	0.00	1.00	2.78	0.00	111.38	3.26	107.58	0.58	17.49	N/A	N/A	N/A	N/A
112	1.12	1.60	44.87	4.00	1.21E-007	2.72E-004	6.00	22.13	0.00	0.00	0.00	35.44	15.00	105.37	5.86	0.30	9.36	140.78	0.00	1.00	2.47	0.00	105.37	3.68	114.69	0.58	17.54	N/A	N/A	N/A	N/A
113	1.13	1.54	46.76	4.00	9.41E-008	2.04E-004	6.00	21.29	0.00	0.00	0.00	35.72	15.00	101.36	5.58	0.30	9.00	141.21	0.00	1.00	2.28	0.00	101.36	3.99	119.63	0.58	17.58	N/A	N/A	N/A	N/A
114	1.14	1.47	50.51	4.00	6.59E-008	1.36E-004	6.00	20.30	0.00	0.00	0.00	36.49	15.00	96.68	5.27	0.30	8.59	142.43	0.00	1.00	2.01	0.00	96.68	4.47	128.04	0.58	17.65	N/A	N/A	N/A	N/A
115	1.15	1.44	52.18	4.00	5.64E-008	1.14E-004	6.00	19.88	0.00	0.00	0.00	36.81	15.00	94.67	5.11	0.30	8.41	142.93	0.00	1.00	1.91	0.00	94.67	4.70	131.76	0.58	17.68	N/A	N/A	N/A	N/A
116	1.16	1.40	54.07	4.00	4.64E-008	9.14E-005	6.00	19.32	0.00	0.00	0.00	37.12	15.00	91.99	4.92	0.30	8.17	143.40	0.00	1.00	1.79	0.00	91.99	5.00	136.17	0.58	17.71	N/A	N/A	N/A	N/A
117	1.17	1.35	56.63	3.00	3.60E-008	6.84E-005	6.00	18.62	0.00	0.00	0.00	37.52	15.00	88.64	4.70	0.30	7.87	144.03	0.00	1.00	1.64	0.00	88.64	5.41	141.98	0.58	17.75	N/A	N/A	N/A	N/A
118	1.18	1.32	56.60	3.00	3.27E-008	6.06E-005	6.00	18.19	0.00	0.00	0.00	37.31	15.00	86.63	4.55	0.30	7.69	143.65	0.00	1.00	1.61	0.00	86.63	5.58	143.00	0.58	17.74	N/A	N/A	N/A	N/A
119	1.19	1.27	55.43	3.00	2.88E-008	5.14E-005	6.00	17.49	0.00	0.00	0.00	36.62	15.00	83.29	4.33	0.30	7.40	142.47	0.00	1.00	1.58	0.00	83.29	5.80	142.91	0.58	17.70	N/A	N/A	N/A	N/A
120	1.20	1.26	53.63	3.00	2.97E-008	5.26E-005	6.00	17.35	0.00	0.00	0.00	36.03	15.00	82.61	4.26	0.30	7.34	141.48	0.00	1.00	1.62	0.00	82.61	5.74	140.37	0.58	17.66	N/A	N/A	N/A	N/A
121	1.21	1.24	51.52	3.00	3.01E-008	5.23E-005	6.00	17.07	0.00	0.00	0.00	35.27	15.00	81.26	4.15	0.30	7.22	140.19	0.00	1.00	1.66	0.00	81.26	5.72	137.64	0.58	17.60	N/A	N/A	N/A	N/A
122	1.22	1.19	48.40	3.00	2.84E-008	4.74E-005	5.00	16.36	0.00	0.00	0.00	33.98	15.00	77.92	3.95	0.30	6.92	137.96	0.00	1.00	1.69	0.00	77.92	5.82	134.21	0.58	17.52	N/A	N/A	N/A	N/A
123	1.23	1.15	46.25	3.00	2.68E-008	4.32E-005	5.00	15.80	0.00	0.00	0.00	33.05	15.00	75.24	3.78	0.30	6.68	136.30	0.00	1.00	1.71	0.00	75.24	5.92	131.97	0.58	17.45	N/A	N/A	N/A	N/A
124	1.24	1.08	43.70	3.00	2.28E-008	3.44E-005	5.00	14.82	0.00	0.00	0.00	31.75	15.00	70.56	3.51	0.30	6.27	133.95	0.00	1.00	1.70	0.00	70.56	6.22	129.99	0.58	17.36	N/A	N/A	N/A	N/A
125	1.25	1.07	42.09	3.00	2.35E-008	3.52E-005	5.00	14.67	0.00	0.00	0.00	31.18	15.00	69.88	3.45	0.30	6.21	132.91	0.00	1.00	1.74	0.00	69.88	6.16	127.49	0.58	17.32	N/A	N/A	N/A	N/A
126	1.26	1.05	40.64	3.00	2.32E-008	3.40E-005	5.00	14.39	0.00	0.00	0.00	30.58	15.00	68.53	3.35	0.30	6.09	131.80	0.00	1.00	1.77	0.00	68.53	6.19	125.59	0.58	17.27	N/A	N/A	N/A	N/A
127	1.27	1.03	37.49	3.00	2.49E-008	3.58E-005	5.00	14.11	0.00	0.00	0.00	29.42	15.00	67.19	3.26	0.30	5.97	129.65	0.00	1.00	1.88	0.00	67.19	6.06	120.48	0.58	17.17	N/A	N/A	N/A	N/A
128	1.28	1.02	35.63	3.00	2.63E-008	3.75E-005	5.00	13.97	0.00	0.00	0.00	28.73	15.00	66.51	3.20	0.30	5.91	128.36	0.00	1.00	1.96	0.00	66.51	5.96	117.31	0.58	17.11	N/A	N/A	N/A	N/A
129	1.29	1.00	33.33	4.00	2.74E-008	3.82E-005	5.00	13.68	0.00	0.00	0.00	27.81	15.00	65.16	3.11	0.30	5.79	126.59	0.00	1.00	2.05	0.00	65.16	5.88	113.54	0.58	17.02	N/A	N/A	N/A	N/A
130	1.30	0.99	31.72	4.00	2.88E-008	3.97E-005	4.00	13.54	0.00	0.00	0.00	27.18	15.00	64.49	3.05	0.30	5.73	125.37	0.00	1.00	2.13	0.00	64.49	5.80	110.69	0.58	16.96	N/A	N/A	N/A	N/A
131	1.31	0.96	28.60	4.00	3.05E-008	4.08E-005	4.00	13.12	0.00	0.00	0.00	25.85	15.00	62.47	2.93	0.30	5.55	122.75	0.00	1.00	2.29	0.00	62.47	5.69	105.33	0.58	16.83	N/A	N/A	N/A	N/A
132	1.32	0.96	27.30	4.00	3.32E-008	4.44E-005	4.00	13.12	0.00	0.00	0.00	25.37	15.00	62.46	2.91	0.30	5.55	121.79	0.00	1.00	2.40	0.00	62.46	5.55	102.58	0.58	16.78	N/A	N/A	N/A	N/A

	In situ data									Estimations																			
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
133	1.33	0.95	26.26	4.00	3.41E-008	4.51E-005	4.00	12.98	0.00	0.00	0.00	24.90	15.00	61.79	2.86	0.30	5.49	120.86	0.00	1.00	2.47	0.00	61.79	5.50	100.69	0.58	16.73	N/A	N/A	N/A	N/A
134	1.34	0.96	25.95	4.00	3.64E-008	4.87E-005	4.00	13.11	0.00	0.00	0.00	24.85	15.00	62.44	2.86	0.30	5.55	120.76	0.00	1.00	2.53	0.00	62.44	5.39	99.69	0.58	16.72	N/A	N/A	N/A	N/A
135	1.35	0.98	24.81	4.00	4.32E-008	5.90E-005	4.00	13.39	0.00	0.00	0.00	24.54	15.00	63.76	2.90	0.30	5.66	120.16	0.00	1.00	2.70	0.00	63.76	5.11	96.52	0.58	16.67	N/A	N/A	N/A	N/A
136	1.36	0.98	24.34	4.00	4.47E-008	6.10E-005	4.00	13.39	0.00	0.00	0.00	24.35	15.00	63.75	2.88	0.30	5.66	119.78	0.00	1.00	2.75	0.00	63.75	5.06	95.48	0.58	16.65	N/A	N/A	N/A	N/A
137	1.37	0.98	23.71	4.00	4.68E-008	6.39E-005	4.00	13.39	0.00	0.00	0.00	24.10	15.00	63.74	2.86	0.30	5.66	119.27	0.00	1.00	2.82	0.00	63.74	4.98	94.08	0.58	16.62	N/A	N/A	N/A	N/A
138	1.38	0.97	22.86	4.00	4.78E-008	6.45E-005	4.00	13.24	0.00	0.00	0.00	23.69	15.00	63.06	2.81	0.30	5.60	118.42	0.00	1.00	2.90	0.00	63.06	4.95	92.49	0.58	16.58	N/A	N/A	N/A	N/A
139	1.39	0.96	22.58	4.00	4.67E-008	6.23E-005	4.00	13.10	0.00	0.00	0.00	23.51	15.00	62.39	2.76	0.30	5.54	118.03	0.00	1.00	2.90	0.00	62.39	4.99	92.18	0.58	16.56	N/A	N/A	N/A	N/A
140	1.40	0.96	21.85	4.00	4.95E-008	6.60E-005	4.00	13.10	0.00	0.00	0.00	23.21	15.00	62.37	2.74	0.30	5.54	117.41	0.00	1.00	3.00	0.00	62.37	4.90	90.50	0.58	16.52	N/A	N/A	N/A	N/A
141	1.41	0.96	21.91	4.00	4.92E-008	6.57E-005	4.00	13.10	0.00	0.00	0.00	23.24	15.00	62.36	2.72	0.30	5.54	117.46	0.00	1.00	2.99	0.00	62.36	4.91	90.65	0.58	16.52	N/A	N/A	N/A	N/A
142	1.42	0.96	21.60	4.00	5.04E-008	6.73E-005	4.00	13.09	0.00	0.00	0.00	23.11	15.00	62.35	2.70	0.30	5.54	117.18	0.00	1.00	3.03	0.00	62.35	4.87	89.93	0.58	16.51	N/A	N/A	N/A	N/A
143	1.43	0.97	21.03	4.00	5.52E-008	7.45E-005	4.00	13.23	0.00	0.00	0.00	22.93	15.00	63.01	2.71	0.30	5.60	116.83	0.00	1.00	3.15	0.00	63.01	4.73	88.27	0.58	16.48	N/A	N/A	N/A	N/A
144	1.44	0.97	20.72	4.00	5.67E-008	7.64E-005	4.00	13.23	0.00	0.00	0.00	22.79	15.00	63.00	2.69	0.30	5.60	116.55	0.00	1.00	3.19	0.00	63.00	4.69	87.55	0.58	16.46	N/A	N/A	N/A	N/A
145	1.45	0.97	19.77	4.00	6.15E-008	8.29E-005	4.00	13.23	0.00	0.00	0.00	22.38	15.00	62.98	2.67	0.30	5.59	115.68	0.00	1.00	3.35	0.00	62.98	4.57	85.29	0.58	16.41	N/A	N/A	N/A	N/A
146	1.46	0.97	19.42	4.00	6.34E-008	8.54E-005	4.00	13.22	0.00	0.00	0.00	22.23	15.00	62.97	2.65	0.30	5.59	115.35	0.00	1.00	3.40	0.00	62.97	4.53	84.45	0.58	16.39	N/A	N/A	N/A	N/A
147	1.47	0.96	19.30	4.00	6.12E-008	8.16E-005	4.00	13.08	0.00	0.00	0.00	22.11	15.00	62.30	2.60	0.30	5.53	115.10	0.00	1.00	3.39	0.00	62.30	4.58	84.48	0.58	16.38	N/A	N/A	N/A	N/A
148	1.48	0.96	18.76	4.00	6.42E-008	8.56E-005	4.00	13.08	0.00	0.00	0.00	21.87	15.00	62.28	2.58	0.30	5.53	114.58	0.00	1.00	3.49	0.00	62.28	4.51	83.17	0.58	16.34	N/A	N/A	N/A	N/A
149	1.49	0.95	18.70	4.00	6.17E-008	8.13E-005	4.00	12.94	0.00	0.00	0.00	21.79	15.00	61.61	2.54	0.30	5.47	114.38	0.00	1.00	3.46	0.00	61.61	4.57	83.34	0.58	16.34	N/A	N/A	N/A	N/A
150	1.50	0.92	18.07	4.00	5.68E-008	7.25E-005	4.00	12.51	0.00	0.00	0.00	21.32	15.00	59.59	2.44	0.30	5.29	113.33	0.00	1.00	3.46	0.00	59.59	4.69	82.74	0.58	16.28	N/A	N/A	N/A	N/A
151	1.51	0.92	17.85	4.00	5.80E-008	7.40E-005	4.00	12.51	0.00	0.00	0.00	21.22	15.00	59.58	2.42	0.30	5.29	113.11	0.00	1.00	3.50	0.00	59.58	4.66	82.19	0.58	16.27	N/A	N/A	N/A	N/A
152	1.52	0.91	16.90	4.00	6.07E-008	7.65E-005	4.00	12.37	0.00	0.00	0.00	20.72	15.00	58.91	2.38	0.30	5.23	112.00	0.00	1.00	3.66	0.00	58.91	4.59	80.10	0.58	16.20	N/A	N/A	N/A	N/A
153	1.53	0.91	16.77	4.00	6.14E-008	7.74E-005	4.00	12.37	0.00	0.00	0.00	20.66	15.00	58.90	2.36	0.30	5.23	111.87	0.00	1.00	3.69	0.00	58.90	4.57	79.77	0.57	16.19	N/A	N/A	N/A	N/A
154	1.54	0.91	16.62	4.00	6.23E-008	7.86E-005	4.00	12.37	0.00	0.00	0.00	20.59	15.00	58.88	2.35	0.30	5.23	111.71	0.00	1.00	3.72	0.00	58.88	4.55	79.39	0.55	16.18	N/A	N/A	N/A	N/A
155	1.55	0.92	16.27	4.00	6.77E-008	8.63E-005	4.00	12.50	0.00	0.00	0.00	20.48	15.00	59.54	2.36	0.30	5.29	111.50	0.00	1.00	3.84	0.00	59.54	4.43	78.17	0.50	16.16	N/A	N/A	N/A	N/A
156	1.56	0.93	16.08	4.00	7.23E-008	9.32E-005	4.00	12.64	0.00	0.00	0.00	20.45	15.00	60.20	2.37	0.30	5.35	111.44	0.00	1.00	3.93	0.00	60.20	4.34	77.38	0.47	16.15	N/A	N/A	N/A	N/A
157	1.57	0.94	15.64	4.00	7.93E-008	1.03E-004	4.00	12.78	0.00	0.00	0.00	20.30	15.00	60.85	2.38	0.30	5.41	111.12	0.00	1.00	4.09	0.00	60.85	4.21	75.93	0.42	16.13	N/A	N/A	N/A	N/A
158	1.58	0.95	15.42	4.00	8.49E-008	1.12E-004	4.00	12.92	0.00	0.00	0.00	20.25	15.00	61.51	2.39	0.30	5.46	111.02	0.00	1.00	4.19	0.00	61.51	4.12	75.06	0.39	16.11	N/A	N/A	N/A	N/A
159	1.59	0.97	15.29	4.00	9.42E-008	1.27E-004	4.00	13.19	0.00	0.00	0.00	20.30	15.00	62.83	2.43	0.30	5.58	111.16	0.00	1.00	4.31	0.00	62.83	3.98	74.13	0.36	16.11	N/A	N/A	N/A	N/A
160	1.60	0.97	15.01	4.00	9.70E-008	1.30E-004	4.00	13.19	0.00	0.00	0.00	20.16	15.00	62.82	2.41	0.30	5.58	110.86	0.00	1.00	4.39	0.00	62.82	3.95	73.40	0.34	16.09	N/A	N/A	N/A	N/A
161	1.61	1.00	14.57	4.00	1.16E-007	1.61E-004	4.00	13.61	0.00	0.00	0.00	20.10	15.00	64.81	2.47	0.30	5.76	110.78	0.00	1.00	4.67	0.00	64.81	3.72	71.40	0.29	16.07	N/A	N/A	N/A	N/A
162	1.62	1.02	14.66	4.00	1.25E-007	1.77E-004	4.00	13.89	0.00	0.00	0.00	20.26	15.00	66.13	2.51	0.30	5.87	111.15	0.00	1.00	4.74	0.00	66.13	3.63	71.09	0.28	16.08	N/A	N/A	N/A	N/A
163	1.63	1.05	14.85	4.00	1.39E-007	2.02E-004	4.00	14.31	0.00	0.00	0.00	20.51	15.00	68.12	2.57	0.30	6.05	111.76	0.00	1.00	4.82	0.00	68.12	3.51	70.78	0.27	16.11	N/A	N/A	N/A	N/A
164	1.64	1.07	15.01	4.00	1.48E-007	2.20E-004	4.00	14.58	0.00	0.00	0.00	20.70	15.00	69.44	2.60	0.30	6.17	112.20	0.00	1.00	4.86	0.00	69.44	3.44	70.67	0.27	16.13	N/A	N/A	N/A	N/A
165	1.65	1.09	15.01	4.00	1.60E-007	2.42E-004	4.00	14.86	0.00	0.00	0.00	20.80	15.00	70.77	2.64	0.30	6.29	112.45	0.00	1.00	4.95	0.00	70.77	3.35	70.16	0.26	16.14	N/A	N/A	N/A	N/A
166	1.66	1.11	15.13	5.00	1.71E-007	2.64E-004	4.00	15.14	25.00	32.34	19.35	20.96	0.00	0.00	0.00	0.30	0.00	112.84	-0.05	0.00	0.00	0.00	17.11	3.28	69.96	0.25	16.15	N/A	N/A	N/A	N/A
167	1.67	1.15	15.64	5.00	1.88E-007	3.01E-004	4.00	15.70	25.00	32.37	19.71	21.42	0.00	0.00	0.00	0.30	0.00	113.89	-0.05	0.00	0.00	0.00	17.23	3.17	70.23	0.26	16.20	N/A	N/A	N/A	N/A
168	1.68	1.16	15.99	5.00	1.88E-007	3.04E-004	4.00	15.83	25.00	32.43	19.88	21.65	0.00	0.00	0.00	0.30	0.00	114.38	-0.05	0.00	0.00	0.00	17.37	3.17	70.84	0.27	16.23	N/A	N/A	N/A	N/A
169	1.69	1.18	16.74	5.00	1.88E-007	3.08E-004	4.00	16.11	25.00	32.55	20.24	22.12	0.00	0.00	0.00	0.30	0.00	115.41	-0.05	0.00	0.00	0.00	17.56	3.18	72.15	0.30	16.29	N/A	N/A	N/A	N/A
170	1.70	1.17	17.28	4.00	1.72E-007	2.79E-004	4.00	15.97	0.00	0.00	0.00	22.33	15.00	76.05	2.75	0.30	6.75	115.84	0.00	1.00	4.62	0.00	76.05	3.27	73.68	0.35	16.33	N/A	N/A	N/A	N/A
171	1.71	1.21	17.94	5.00	1.86E-007	3.14E-004	5.00	16.53	26.00	32.75	20.80	22.85	0.00	0.00	0.00	0.30	0.00	116.98	-0.06	0.00	0.00	0.00	17.90	3.19	74.23	0.36	16.38	N/A	N/A	N/A	N/A
172	1.72	1.23	19.36	4.00	1.75E-007	3.01E-004	5.00	16.81	0.00	0.00	0.00	23.62	15.00	80.02	2.86	0.30	7.11	118.59	0.00	1.00	4.34	0.00	80.02	3.25	76.96	0.45	16.48	N/A	N/A	N/A	N/A
173	1.73	1.24	19.99	4.00	1.72E-007	2.97E-004	5.00	16.94	0.00	0.00	0.00	23.96	15.00	80.68	2.86	0.30	7.17	119.30	0.00	1.00	4.24	0.00	80.68	3.27	78.12	0.50	16.52	N/A	N/A	N/A	N/A
174	1.74	1.26	20.12	4.00	1.82E-007	3.20E-004	5.00	17.22	0.00	0.00	0.00	24.12	15.00	82.00	2.89	0.30	7.28	119.65	0.00	1.00	4.28	0.00	82.00	3.21	77.91	0.49	16.53	N/A	N/A	N/A	N/A
175	1.75	1.27	20.90	4.00	1.76E-007	3.12E-004	5.00	17.36	0.00	0.00	0.00	24.52	15.00	82.66	2.90	0.30	7.34	120.47	0.00	1.00	4.15	0.00	82.66	3.24	79.37	0.55	16.58	N/A	N/A	N/A	N/A
176	1.76	1.28	21.22	4.00	1.78E-007	3.17E-004	5.00	17.50	0.00	0.00	0.00	24.72	15.00	83.31	2.91	0.30	7.40	120.87	0.00	1.00	4.12	0.00	83.31	3.24	79.81	0.57	16.60	N/A	N/A	N/A	N/A
177	1.77	1.28	21.98	4.00	1.67E-007	2.98E-004	5.00	17.49	0.00	0.00	0.00	25.05	15.00	83.30	2.89	0.30	7.40	121.54	0.00	1.00	3.98	0.00	83.30	3.30	81.45	0.58	16.64	N/A	N/A	N/A	N/A
178	1.78	1.29	22.23	4.00	1.69E-007	3.04E-004	5.00	17.63	0.00	0.00	0.00	25.21	15.00	83.96	2.90	0.30	7.46	121.87	0.00	1.00	3.97	0.00	83.96	3.29	81.73	0.58	16.65	N/A	N/A	N/A	N/A
179	1.79	1.30	22.32	4.00	1.74E-007	3.14E-004	5.00	17.77	0.00	0.00	0.00	25.30	15.00	84.61	2.90	0.30	7.52	122.06	0.00	1.00	3.98	0.00	84.61	3.26	81.67	0.58	16.66	N/A	N/A	N/A	N/A
180	1.80	1.30	22.29	4.00	1.74E-007	3.15E-004	5.00	17.77	0.00	0.00	0.00	25.29	15.00	84.60	2.89	0.30	7.51	122.03	0.00	1.00	3.99	0.00	84.60	3.26	81.61	0.58	16.66	N/A	N/A	N/A	N/A
181	1.81	1.30	22.26	4.00	1.74E-007	3.15E-004	5.00	17.76	0.00	0.00	0.00	25.28	15.00	84.59	2.87	0.30	7.51	122.01	0.00	1.00	3.99	0.00	84.59	3.26	81.55	0.58	16.66	N/A	N/A	N/A	N/A
182	1.82	1.28	22.29	4.00	1.62E-007	2.89E-004	5.00	17.48	0.00	0.00	0.00	25.19	15.00	83.25	2.81	0.30	7.39	121.80	0.00	1.00	3.92	0.00	83.25	3.33	82.13	0.58	16.65	N/A	N/A	N/A	N/A
183	1.83	1.27	22.26	4.00	1.57E-007	2.78E-004	5.00	17.34	0.00	0.00	0.00	25.12	15.00	82.57	2.77	0.30	7.33	121.66	0.00	1.00	3.89	0.00	82.57	3.37	82.34	0.58	16.65	N/A	N/A	N/A	N/A
184	1.84	1.26	21.98	4.00	1.55E-007	2.72E-004	5.00	17.20	0.00	0.00	0.00	24.94	15.00	81.89	2.73	0.30	7.27	121.30	0.00	1.00	3.91	0.00	81.89	3.38	82.00	0.58	16.63	N/A	N/A	N/A	N/A
185	1.85	1.25	21.41	4.00	1.57E-007	2.73E-004	5.00	17.05	0.00	0.00	0.00	24.64	15.00	81.21	2.69	0.30	7.21	120.68	0.00	1.00	3.98	0.00	81.21	3.37	81.04	0.58	16.60	N/A	N/A	N/A	N/A
186	1.86	1.25	21.06	4.00	1.61E-007	2.81E-004	5.00	17.05	0.00	0.00	0.00	24.48	15.00	81.20	2.68	0.30	7.21	120.37	0.00	1.00	4.05	0.00	81.20	3.34	80.28	0.58	16.58	N/A	N/A	N/A	N/A
187	1.87	1.24	20.37	4.00	1.65E-007	2.84E-004	5.00	16.91	0.00	0.00	0.00	24.12	15.00	80.52	2.64	0.30	7.15	119.62	0.00	1.00	4.15	0.00	80.52	3.31	79.02	0.54	16.54	N/A	N/A	N/A	N/A
188	1.88	1.24	20.31	4.00	1.66E-007	2.86E-004	5.00	16.91	0.00	0.00	0.00	24.09	15.00	80.51	2.63	0.30	7.15	119.56	0.00	1.00	4.16	0.00	80.51	3.31	78.90	0.53	16.53	N/A	N/A	N/A	N/A
189	1.89	1.24	19.90	4.00	1.72E-007	2.96E-004	5.00	16.91	0.00	0.00	0.00	23.91	15.00	80.50	2.61	0.30	7.15	119.18	0.00	1.00	4.25	0.00	80.50	3.27	77.99	0.49	16.51	N/A	N/A	N/A	N/A
190	1.90	1.26	19.74	4.00	1.86E-007	3.27E-004	5.00	17.18	0.00	0.00	0.00	23.93	15.00	81.82	2.64	0.30	7.27	119.26	0.00	1.00	4.35	0.00	81.82	3.18	77.14	0.46	16.51	N/A	N/A	N/A	N/A
191	1.91	1.26	19.74	4.00	1.86E-007	3.26E-004	5.00	17.18	0.00	0.00	0.00	23.93	15.00	81.81	2.63	0.30	7.27	119.26	0.00	1.00	4.35	0.00	81.81	3.18	77.14	0.46	16.51	N/A	N/A	N/A	N/A
192	1.92	1.26	19.74	4.00	1.86E-007	3.26E-004	5.00	17.18	0.00	0.00	0.00	23.93	15.00	81.80	2.61	0.30	7.27	119.26	0.00	1.00	4.35	0.00	81.80	3.19	77.14	0.46	16.51	N/A	N/A	N/A	N/A
193	1.93	1.24	14.72	5.00	2.83E-007	4.87E-004	5.00	16.89	26.00	31.95	19.71	21.37	0.00	0.00	0.00	0.30	0.00	113.88	-0.04	0.00	0.00	0.00	19.63	2.78	66.13	0.19	16.16	N/A	N/A	N/A	N/A
194	1.94	1.23	14.98	5.00	2.65E-007	4.53E-004	5.00	16.75	26.00	32.04	19.77	21.45	0.00	0.00	0.00	0.30	0.00	114.05	-0.04	0.00	0.00	0.00	19.80	2.83	66.95	0.20	16.18	N/A	N/A	N/A	N/A
195	1.95	1.21	15.39	5.00	2.36E-007	3.97E-004	4.00	16.47	26.00	32.18	19.85	21.57	0.00	0.00	0.00	0.30	0.00	114.27	-0.05	0.00	0.00	0.00	20.01	2.94	68.36	0.22	16.20	N/A	N/A	N/A	N/A
196	1.96	1.19	15.45	5.00	2.19E-007	3.61E-004	4.00	16.19	26.00	32.24	19.79	21.50	0.00	0.00	0.00	0.30	0.00	114.10	-0.05	0.00	0.00	0.00	20.16	3.02	68.95	0.23	16.20	N/A	N/A	N/A	N/A
197	1.97	1.16	15.61	5.00	1.92E-007	3.09E-004	4.00	15.76	25.00	32.35	19.72	21.43	0.00	0.00	0.00	0.30	0.00	113.91	-0.05	0.00	0.00	0.00	20.35	3.15	70.05	0.26	16.21	N/A	N/A	N/A	N/A
198	1.98	1.15	15.83	5.00	1.81E-007	2.88E-004	4.00	15.62	25.00	32.43	19.76	21.49	0.00	0.00	0.00	0.30	0.00	114.02	-0.05	0.00	0.00	0.00	20.51	3.22	70.83	0.27	16.22	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
199	1.99	1.13	16.05	4.00	1.64E-007	2.56E-004	4.00	15.34	0.00	0.00	0.00	21.50	15.00	73.04	2.25	0.30	6.49	114.01	0.00	1.00	4.78	0.00	73.04	3.32	71.87	0.30	16.23	N/A	N/A	N/A	N/A
200	2.00	1.12	16.17	4.00	1.56E-007	2.41E-004	4.00	15.20	0.00	0.00	0.00	21.51	15.00	72.37	2.22	0.30	6.43	114.01	0.00	1.00	4.70	0.00	72.37	3.38	72.42	0.31	16.23	N/A	N/A	N/A	N/A
201	2.01	1.11	16.14	4.00	1.50E-007	2.30E-004	4.00	15.05	0.00	0.00	0.00	21.44	15.00	71.69	2.19	0.30	6.37	113.85	0.00	1.00	4.66	0.00	71.69	3.42	72.61	0.32	16.23	N/A	N/A	N/A	N/A
202	2.02	1.11	16.21	4.00	1.49E-007	2.28E-004	4.00	15.05	0.00	0.00	0.00	21.47	15.00	71.68	2.18	0.30	6.37	113.92	0.00	1.00	4.64	0.00	71.68	3.43	72.79	0.32	16.23	N/A	N/A	N/A	N/A
203	2.03	1.11	16.43	4.00	1.45E-007	2.23E-004	4.00	15.05	0.00	0.00	0.00	21.58	15.00	71.67	2.17	0.30	6.37	114.15	0.00	1.00	4.58	0.00	71.67	3.46	73.33	0.34	16.25	N/A	N/A	N/A	N/A
204	2.04	1.11	16.58	4.00	1.43E-007	2.20E-004	4.00	15.05	0.00	0.00	0.00	21.65	15.00	71.66	2.15	0.30	6.36	114.31	0.00	1.00	4.54	0.00	71.66	3.47	73.71	0.35	16.26	N/A	N/A	N/A	N/A
205	2.05	1.11	16.90	4.00	1.39E-007	2.12E-004	4.00	15.05	0.00	0.00	0.00	21.81	15.00	71.64	2.14	0.30	6.36	114.64	0.00	1.00	4.45	0.00	71.64	3.51	74.49	0.37	16.28	N/A	N/A	N/A	N/A
206	2.06	1.14	17.03	4.00	1.53E-007	2.42E-004	4.00	15.46	0.00	0.00	0.00	22.03	15.00	73.63	2.19	0.30	6.54	115.14	0.00	1.00	4.54	0.00	73.63	3.39	74.02	0.35	16.30	N/A	N/A	N/A	N/A
207	2.07	1.15	16.87	4.00	1.62E-007	2.57E-004	4.00	15.60	0.00	0.00	0.00	22.00	15.00	74.29	2.20	0.30	6.60	115.10	0.00	1.00	4.62	0.00	74.29	3.34	73.38	0.34	16.29	N/A	N/A	N/A	N/A
208	2.08	1.21	16.81	5.00	2.03E-007	3.40E-004	5.00	16.44	26.00	32.52	20.37	22.27	0.00	0.00	0.00	0.30	0.00	115.76	-0.05	0.00	0.00	0.00	21.62	3.10	71.76	0.29	16.31	N/A	N/A	N/A	N/A
209	2.09	1.24	16.90	5.00	2.24E-007	3.84E-004	5.00	16.86	26.00	32.47	20.52	22.47	0.00	0.00	0.00	0.30	0.00	116.20	-0.05	0.00	0.00	0.00	21.68	3.00	71.27	0.28	16.32	N/A	N/A	N/A	N/A
210	2.10	1.32	16.81	5.00	2.95E-007	5.41E-004	5.00	17.97	27.00	32.28	20.81	22.80	0.00	0.00	0.00	0.30	0.00	117.00	-0.05	0.00	0.00	0.00	21.63	2.74	69.36	0.24	16.34	N/A	N/A	N/A	N/A
211	2.11	1.35	16.93	5.00	3.22E-007	6.03E-004	5.00	18.39	27.00	32.25	20.97	23.00	0.00	0.00	0.00	0.30	0.00	117.45	-0.05	0.00	0.00	0.00	21.71	2.66	69.04	0.24	16.36	N/A	N/A	N/A	N/A
212	2.12	1.37	16.90	5.00	3.44E-007	6.54E-004	5.00	18.67	27.00	32.21	21.03	23.08	0.00	0.00	0.00	0.30	0.00	117.63	-0.05	0.00	0.00	0.00	21.77	2.61	68.60	0.23	16.36	N/A	N/A	N/A	N/A
213	2.13	1.37	16.81	5.00	3.46E-007	6.59E-004	5.00	18.67	27.00	32.19	21.00	23.03	0.00	0.00	0.00	0.30	0.00	117.53	-0.05	0.00	0.00	0.00	21.86	2.60	68.41	0.22	16.35	N/A	N/A	N/A	N/A
214	2.14	1.37	16.68	5.00	3.51E-007	6.67E-004	5.00	18.67	27.00	32.16	20.95	22.96	0.00	0.00	0.00	0.30	0.00	117.40	-0.05	0.00	0.00	0.00	21.94	2.59	68.13	0.22	16.35	N/A	N/A	N/A	N/A
215	2.15	1.37	16.71	5.00	3.49E-007	6.65E-004	5.00	18.66	27.00	32.17	20.96	22.98	0.00	0.00	0.00	0.30	0.00	117.43	-0.05	0.00	0.00	0.00	22.05	2.59	68.20	0.22	16.35	N/A	N/A	N/A	N/A
216	2.16	1.39	16.93	5.00	3.64E-007	7.03E-004	5.00	18.94	28.00	32.18	21.11	23.18	0.00	0.00	0.00	0.30	0.00	117.86	-0.05	0.00	0.00	0.00	22.16	2.56	68.32	0.22	16.37	N/A	N/A	N/A	N/A
217	2.17	1.43	17.56	5.00	3.87E-007	7.69E-004	5.00	19.50	28.00	32.24	21.49	23.67	0.00	0.00	0.00	0.30	0.00	118.92	-0.05	0.00	0.00	0.00	22.32	2.51	68.95	0.23	16.42	N/A	N/A	N/A	N/A
218	2.18	1.45	17.78	5.00	4.02E-007	8.11E-004	5.00	19.78	28.00	32.25	21.65	23.87	0.00	0.00	0.00	0.30	0.00	119.34	-0.05	0.00	0.00	0.00	22.43	2.48	69.07	0.24	16.44	N/A	N/A	N/A	N/A
219	2.19	1.52	17.59	5.00	5.02E-007	1.06E-003	5.00	20.75	29.00	32.11	21.83	24.08	0.00	0.00	0.00	0.30	0.00	119.84	-0.04	0.00	0.00	0.00	22.41	2.31	67.61	0.21	16.45	N/A	N/A	N/A	N/A
220	2.20	1.60	17.91	5.00	6.07E-007	1.35E-003	5.00	21.87	30.00	32.06	22.22	24.57	0.00	0.00	0.00	0.30	0.00	120.92	-0.04	0.00	0.00	0.00	22.47	2.18	67.19	0.20	16.49	N/A	N/A	N/A	N/A
221	2.21	1.64	18.44	5.00	6.43E-007	1.47E-003	6.00	22.43	30.00	32.12	22.55	25.00	0.00	0.00	0.00	0.30	0.00	121.82	-0.04	0.00	0.00	0.00	22.62	2.14	67.71	0.21	16.53	N/A	N/A	N/A	N/A
222	2.22	1.69	19.64	5.00	6.59E-007	1.55E-003	6.00	23.13	31.00	32.28	23.16	25.80	0.00	0.00	0.00	0.30	0.00	123.43	-0.05	0.00	0.00	0.00	22.87	2.13	69.32	0.24	16.61	N/A	N/A	N/A	N/A
223	2.23	1.70	20.34	5.00	6.37E-007	1.51E-003	6.00	23.27	31.00	32.39	23.44	26.18	0.00	0.00	0.00	0.30	0.00	124.18	-0.05	0.00	0.00	0.00	23.08	2.15	70.45	0.26	16.66	N/A	N/A	N/A	N/A
224	2.24	1.64	22.64	5.00	4.54E-007	1.04E-003	6.00	22.42	30.00	32.86	24.02	27.01	0.00	0.00	0.00	0.30	0.00	125.71	-0.06	0.00	0.00	0.00	23.60	2.38	75.40	0.40	16.77	N/A	N/A	N/A	N/A
225	2.25	1.61	23.99	5.00	3.78E-007	8.48E-004	6.00	22.00	30.00	33.12	24.35	27.48	0.00	0.00	0.00	0.30	0.00	126.59	-0.07	0.00	0.00	0.00	23.95	2.53	78.38	0.51	16.83	N/A	N/A	N/A	N/A
226	2.26	1.58	25.70	5.00	3.08E-007	6.78E-004	6.00	21.58	29.00	33.45	24.79	28.09	0.00	0.00	0.00	0.30	0.00	127.70	-0.07	0.00	0.00	0.00	24.36	2.70	82.12	0.66	16.90	N/A	N/A	N/A	N/A
227	2.27	1.49	27.46	4.00	2.12E-007	4.39E-004	6.00	20.32	0.00	0.00	0.00	28.40	15.00	96.74	2.61	0.30	8.59	128.19	0.00	1.00	3.70	0.00	96.74	3.05	87.44	0.58	16.95	N/A	N/A	N/A	N/A
228	2.28	1.45	28.57	4.00	1.75E-007	3.52E-004	6.00	19.75	0.00	0.00	0.00	28.64	15.00	94.06	2.53	0.30	8.36	128.62	0.00	1.00	3.46	0.00	94.06	3.25	90.57	0.58	16.99	N/A	N/A	N/A	N/A
229	2.29	1.36	29.48	4.00	1.25E-007	2.35E-004	5.00	18.49	0.00	0.00	0.00	28.53	15.00	88.05	2.36	0.30	7.82	128.31	0.00	1.00	3.14	0.00	88.05	3.64	94.80	0.58	17.00	N/A	N/A	N/A	N/A
230	2.30	1.32	30.65	4.00	1.02E-007	1.86E-004	5.00	17.93	0.00	0.00	0.00	28.75	15.00	85.37	2.27	0.30	7.58	128.70	0.00	1.00	2.92	0.00	85.37	3.89	98.27	0.58	17.03	N/A	N/A	N/A	N/A
231	2.31	1.27	30.96	4.00	8.41E-008	1.48E-004	5.00	17.23	0.00	0.00	0.00	28.58	15.00	82.03	2.17	0.30	7.29	128.33	0.00	1.00	2.78	0.00	82.03	4.13	100.42	0.58	17.03	N/A	N/A	N/A	N/A
232	2.32	1.26	31.12	4.00	8.04E-008	1.40E-004	5.00	17.08	0.00	0.00	0.00	28.58	15.00	81.35	2.15	0.30	7.23	128.32	0.00	1.00	2.74	0.00	81.35	4.20	101.05	0.58	17.03	N/A	N/A	N/A	N/A
233	2.33	1.25	31.25	4.00	7.70E-008	1.33E-004	5.00	16.94	0.00	0.00	0.00	28.57	15.00	80.67	2.12	0.30	7.17	128.29	0.00	1.00	2.71	0.00	80.67	4.26	101.63	0.58	17.03	N/A	N/A	N/A	N/A
234	2.34	1.24	31.50	4.00	7.31E-008	1.25E-004	5.00	16.80	0.00	0.00	0.00	28.61	15.00	79.99	2.09	0.30	7.11	128.34	0.00	1.00	2.67	0.00	79.99	4.33	102.45	0.58	17.04	N/A	N/A	N/A	N/A
235	2.35	1.26	31.09	4.00	8.04E-008	1.40E-004	5.00	17.08	0.00	0.00	0.00	28.57	15.00	81.32	2.12	0.30	7.22	128.29	0.00	1.00	2.75	0.00	81.32	4.20	101.01	0.58	17.03	N/A	N/A	N/A	N/A
236	2.36	1.30	30.68	4.00	9.45E-008	1.70E-004	5.00	17.63	0.00	0.00	0.00	28.65	15.00	83.97	2.18	0.30	7.46	128.47	0.00	1.00	2.87	0.00	83.97	3.98	98.97	0.58	17.03	N/A	N/A	N/A	N/A
237	2.37	1.32	30.62	4.00	1.01E-007	1.85E-004	5.00	17.91	0.00	0.00	0.00	28.74	15.00	85.29	2.20	0.30	7.58	128.66	0.00	1.00	2.92	0.00	85.29	3.89	98.25	0.58	17.03	N/A	N/A	N/A	N/A
238	2.38	1.38	28.91	4.00	1.37E-007	2.62E-004	5.00	18.75	0.00	0.00	0.00	28.40	15.00	89.28	2.29	0.30	7.93	128.10	0.00	1.00	3.24	0.00	89.28	3.52	93.17	0.58	16.98	N/A	N/A	N/A	N/A
239	2.39	1.40	28.44	4.00	1.50E-007	2.91E-004	5.00	19.03	0.00	0.00	0.00	28.32	15.00	90.60	2.32	0.30	8.05	127.97	0.00	1.00	3.35	0.00	90.60	3.42	91.70	0.58	16.97	N/A	N/A	N/A	N/A
240	2.40	1.42	26.77	4.00	1.78E-007	3.51E-004	5.00	19.30	0.00	0.00	0.00	27.75	15.00	91.93	2.34	0.30	8.17	126.91	0.00	1.00	3.61	0.00	91.93	3.23	87.91	0.58	16.90	N/A	N/A	N/A	N/A
241	2.41	1.42	26.11	4.00	1.87E-007	3.67E-004	5.00	19.30	0.00	0.00	0.00	27.48	15.00	91.91	2.33	0.30	8.16	126.39	0.00	1.00	3.70	0.00	91.91	3.18	86.62	0.58	16.87	N/A	N/A	N/A	N/A
242	2.42	1.43	25.51	4.00	2.01E-007	3.97E-004	5.00	19.44	0.00	0.00	0.00	27.28	15.00	92.57	2.34	0.30	8.22	126.02	0.00	1.00	3.81	0.00	92.57	3.11	85.19	0.58	16.85	N/A	N/A	N/A	N/A
243	2.43	1.44	25.32	4.00	2.09E-007	4.18E-004	5.00	19.58	0.00	0.00	0.00	27.25	15.00	93.23	2.34	0.30	8.28	125.97	0.00	1.00	3.87	0.00	93.23	3.06	84.58	0.58	16.84	N/A	N/A	N/A	N/A
244	2.44	1.45	24.91	5.00	2.22E-007	4.46E-004	5.00	19.72	28.00	33.56	24.03	27.12	0.00	0.00	0.00	0.30	0.00	125.74	-0.07	0.00	0.00	0.00	26.49	3.01	83.53	0.66	16.83	N/A	N/A	N/A	N/A
245	2.45	1.47	24.94	5.00	2.35E-007	4.79E-004	5.00	19.99	28.00	33.53	24.12	27.23	0.00	0.00	0.00	0.30	0.00	125.97	-0.07	0.00	0.00	0.00	26.57	2.95	83.13	0.66	16.84	N/A	N/A	N/A	N/A
246	2.46	1.50	25.13	5.00	2.53E-007	5.27E-004	6.00	20.41	29.00	33.50	24.29	27.46	0.00	0.00	0.00	0.30	0.00	126.42	-0.07	0.00	0.00	0.00	26.66	2.88	82.82	0.66	16.85	N/A	N/A	N/A	N/A
247	2.47	1.58	26.26	5.00	2.94E-007	6.45E-004	6.00	21.53	29.00	33.54	24.95	28.31	0.00	0.00	0.00	0.30	0.00	128.12	-0.07	0.00	0.00	0.00	26.80	2.74	83.23	0.66	16.92	N/A	N/A	N/A	N/A
248	2.48	1.63	26.71	5.00	3.26E-007	7.39E-004	6.00	22.23	30.00	33.52	25.27	28.73	0.00	0.00	0.00	0.30	0.00	128.94	-0.07	0.00	0.00	0.00	26.90	2.65	83.05	0.66	16.95	N/A	N/A	N/A	N/A
249	2.49	1.78	27.75	5.00	4.47E-007	1.11E-003	6.00	24.32	31.00	33.45	26.13	29.84	0.00	0.00	0.00	0.30	0.00	131.11	-0.07	0.00	0.00	0.00	26.94	2.40	82.17	0.66	17.03	N/A	N/A	N/A	N/A
250	2.50	1.85	28.22	5.00	5.13E-007	1.32E-003	6.00	25.30	32.00	33.42	26.51	30.34	0.00	0.00	0.00	0.30	0.00	132.07	-0.07	0.00	0.00	0.00	27.03	2.30	81.88	0.66	17.07	N/A	N/A	N/A	N/A
251	2.51	1.92	30.30	5.00	5.29E-007	1.42E-003	7.00	26.28	33.00	33.62	27.37	31.51	0.00	0.00	0.00	0.30	0.00	134.20	-0.08	0.00	0.00	0.00	27.34	2.27	84.20	0.66	17.16	N/A	N/A	N/A	N/A
252	2.52	1.92	32.26	5.00	4.72E-007	1.26E-003	7.00	26.28	33.00	33.86	27.95	32.30	0.00	0.00	0.00	0.30	0.00	135.61	-0.08	0.00	0.00	0.00	27.71	2.36	87.28	0.67	17.23	N/A	N/A	N/A	N/A
253	2.53	1.92	35.12	5.00	4.02E-007	1.08E-003	7.00	26.27	33.00	34.21	28.76	33.43	0.00	0.00	0.00	0.30	0.00	137.56	-0.09	0.00	0.00	0.00	28.19	2.48	91.76	0.68	17.33	N/A	N/A	N/A	N/A
254	2.54	1.90	37.58	5.00	3.38E-007	8.96E-004	7.00	25.99	32.00	34.52	29.36	34.27	0.00	0.00	0.00	0.30	0.00	138.99	-0.09	0.00	0.00	0.00	28.64	2.62	96.00	0.69	17.41	N/A	N/A	N/A	N/A
255	2.55	1.88	40.64	5.00	2.78E-007	7.28E-004	7.00	25.71	32.00	34.88	30.09	35.30	0.00	0.00	0.00	0.30	0.00	140.71	-0.10	0.00	0.00	0.00	29.15	2.79	101.22	0.70	17.49	N/A	N/A	N/A	N/A
256	2.56	1.85	42.47	4.00	2.38E-007	6.13E-004	7.00	25.29	0.00	0.00	0.00	35.81	15.00	120.42	2.87	0.30	10.70	141.53	0.00	1.00	2.98	0.00	120.42	2.94	104.79	0.58	17.54	N/A	N/A	N/A	N/A
257	2.57	1.79	43.83	4.00	1.93E-007	4.82E-004	7.00	24.44	0.00	0.00	0.00	35.98	15.00	116.40	2.76	0.30	10.34	141.78	0.00	1.00	2.79	0.00	116.40	3.15	108.42	0.58	17.56	N/A	N/A	N/A	N/A
258	2.58	1.77	44.55	4.00	1.78E-007	4.39E-004	7.00	24.16	0.00	0.00	0.00	36.12	15.00	115.06	2.72	0.30	10.22	142.00	0.00	1.00	2.71	0.00	115.06	3.23	110.10	0.58	17.57	N/A	N/A	N/A	N/A
259	2.59	1.75	44.68	4.00	1.68E-007	4.10E-004	7.00	23.88	0.00	0.00	0.00	36.06	15.00	113.71	2.67	0.30	10.10	141.89	0.00	1.00	2.67	0.00	113.71	3.29	110.84	0.58	17.57	N/A	N/A	N/A	N/A
260	2.60	1.73	44.87	4.00	1.59E-007	3.82E-004	7.00	23.60	0.00	0.00	0.00	36.02	15.00	112.37	2.63	0.30	9.98	141.81	0.00	1.00	2.63	0.00	112.37	3.36	111.70	0.58	17.57	N/A	N/A	N/A	N/A
261	2.61	1.72	44.65	4.00	1.56E-007	3.73E-004	7.00	23.46	0.00	0.00	0.00	35.89	15.00	111.69	2.61	0.30	9.92	141.59	0.00	1.00	2.63	0.00	111.69	3.38	111.62	0.58	17.57	N/A	N/A	N/A	N/A
262	2.62	1.70	43.83	4.00	1.54E-007	3.63E-004	7.00	23.17	0.00	0.00	0.00	35.51	15.00	110.35	2.56	0.30	9.80	140.93	0.00	1.00	2.64	0.00	110.35	3.39	110.85	0.58	17.54	N/A	N/A	N/A	N/A
263	2.63	1.69	43.20	4.00	1.54E-007	3.62E-004	7.00	23.03	0.00	0.00	0.00	35.24	15.00	109.67	2.54	0.30	9.74	140.47	0.00	1.00	2.67	0.00	109.67	3.39	110.10	0.58	17.52	N/A	N/A	N/A	N/A
264	2.64	1.68	43.13	4.00	1.50E-007	3.51E-004	6.00	22.89	0.00	0.00	0.00	35.16	15.00	108.99	2.51	0.30	9.68	140.33	0.00	1.00	2.65	0.00	108.99	3.42	110.26	0.58	17.52	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
265	2.65	1.65	42.85	4.00	1.41E-007	3.22E-004	6.00	22.46	0.00	0.00	0.00	34.91	15.00	106.98	2.46	0.30	9.50	139.88	0.00	1.00	2.62	0.00	106.98	3.49	110.65	0.58	17.50	N/A	N/A	N/A	N/A
266	2.66	1.63	41.71	4.00	1.40E-007	3.18E-004	6.00	22.18	0.00	0.00	0.00	34.41	15.00	105.63	2.41	0.30	9.38	139.02	0.00	1.00	2.66	0.00	105.63	3.50	109.32	0.58	17.47	N/A	N/A	N/A	N/A
267	2.67	1.61	37.55	4.00	1.63E-007	3.64E-004	6.00	21.90	0.00	0.00	0.00	32.84	15.00	104.29	2.37	0.30	9.26	136.30	0.00	1.00	2.92	0.00	104.29	3.33	102.80	0.58	17.34	N/A	N/A	N/A	N/A
268	2.68	1.60	34.90	4.00	1.82E-007	4.04E-004	6.00	21.76	0.00	0.00	0.00	31.82	15.00	103.61	2.35	0.30	9.20	134.49	0.00	1.00	3.12	0.00	103.61	3.21	98.45	0.58	17.25	N/A	N/A	N/A	N/A
269	2.69	1.56	30.39	4.00	2.07E-007	4.48E-004	6.00	21.19	0.00	0.00	0.00	29.97	15.00	100.93	2.28	0.30	8.91	131.19	0.00	1.00	3.49	0.00	100.93	3.07	91.26	0.58	17.09	N/A	N/A	N/A	N/A
270	2.70	1.55	28.72	4.00	2.20E-007	4.73E-004	6.00	21.05	0.00	0.00	0.00	29.33	15.00	100.25	2.26	0.30	8.79	130.03	0.00	1.00	3.67	0.00	100.25	3.01	88.33	0.58	17.02	N/A	N/A	N/A	N/A
271	2.71	1.55	26.33	5.00	2.52E-007	5.41E-004	6.00	21.05	29.00	33.58	25.08	28.45	0.00	0.00	0.00	0.30	0.00	128.45	-0.07	0.00	0.00	0.00	29.61	2.88	83.74	0.66	16.92	N/A	N/A	N/A	N/A
272	2.72	1.55	25.63	5.00	2.61E-007	5.61E-004	6.00	21.05	29.00	33.47	24.91	28.21	0.00	0.00	0.00	0.30	0.00	128.02	-0.07	0.00	0.00	0.00	29.59	2.85	82.36	0.66	16.89	N/A	N/A	N/A	N/A
273	2.73	1.55	25.10	5.00	2.68E-007	5.76E-004	6.00	21.05	29.00	33.38	24.79	28.03	0.00	0.00	0.00	0.30	0.00	127.70	-0.07	0.00	0.00	0.00	29.61	2.82	81.31	0.65	16.86	N/A	N/A	N/A	N/A
274	2.74	1.54	24.37	5.00	2.72E-007	5.80E-004	6.00	20.90	29.00	33.27	24.55	27.71	0.00	0.00	0.00	0.30	0.00	127.10	-0.07	0.00	0.00	0.00	29.60	2.81	80.09	0.59	16.83	N/A	N/A	N/A	N/A
275	2.75	1.54	24.28	5.00	2.72E-007	5.80E-004	6.00	20.90	28.00	33.25	24.56	27.71	0.00	0.00	0.00	0.30	0.00	127.11	-0.07	0.00	0.00	0.00	29.69	2.81	79.88	0.58	16.82	N/A	N/A	N/A	N/A
276	2.76	1.53	24.44	5.00	2.61E-007	5.51E-004	6.00	20.76	28.00	33.30	24.58	27.74	0.00	0.00	0.00	0.30	0.00	127.17	-0.07	0.00	0.00	0.00	29.85	2.85	80.38	0.60	16.83	N/A	N/A	N/A	N/A
277	2.77	1.54	24.81	5.00	2.59E-007	5.52E-004	6.00	20.90	28.00	33.34	24.77	27.98	0.00	0.00	0.00	0.30	0.00	127.65	-0.07	0.00	0.00	0.00	30.00	2.86	80.83	0.63	16.85	N/A	N/A	N/A	N/A
278	2.78	1.56	24.66	5.00	2.74E-007	5.90E-004	6.00	21.17	29.00	33.27	24.85	28.08	0.00	0.00	0.00	0.30	0.00	127.87	-0.07	0.00	0.00	0.00	30.04	2.81	80.06	0.59	16.84	N/A	N/A	N/A	N/A
279	2.79	1.62	24.85	5.00	3.12E-007	6.99E-004	6.00	22.01	29.00	33.19	25.24	28.55	0.00	0.00	0.00	0.30	0.00	128.85	-0.07	0.00	0.00	0.00	30.05	2.69	79.10	0.54	16.87	N/A	N/A	N/A	N/A
280	2.80	1.64	25.07	5.00	3.20E-007	7.28E-004	6.00	22.29	29.00	33.18	25.43	28.79	0.00	0.00	0.00	0.30	0.00	129.34	-0.07	0.00	0.00	0.00	30.16	2.67	79.06	0.54	16.88	N/A	N/A	N/A	N/A
281	2.81	1.67	25.54	5.00	3.32E-007	7.68E-004	6.00	22.71	29.00	33.20	25.74	29.19	0.00	0.00	0.00	0.30	0.00	130.13	-0.07	0.00	0.00	0.00	30.29	2.64	79.28	0.55	16.91	N/A	N/A	N/A	N/A
282	2.82	1.67	26.74	5.00	3.06E-007	7.09E-004	6.00	22.70	29.00	33.39	26.11	29.71	0.00	0.00	0.00	0.30	0.00	131.08	-0.07	0.00	0.00	0.00	30.62	2.71	81.41	0.66	16.96	N/A	N/A	N/A	N/A
283	2.83	1.64	27.30	5.00	2.74E-007	6.21E-004	6.00	22.28	29.00	33.52	26.15	29.79	0.00	0.00	0.00	0.30	0.00	131.18	-0.07	0.00	0.00	0.00	30.89	2.81	83.03	0.66	16.98	N/A	N/A	N/A	N/A
284	2.84	1.62	27.49	5.00	2.56E-007	5.74E-004	6.00	22.00	29.00	33.58	26.14	29.77	0.00	0.00	0.00	0.30	0.00	131.13	-0.07	0.00	0.00	0.00	31.07	2.87	83.78	0.66	16.98	N/A	N/A	N/A	N/A
285	2.85	1.57	27.30	5.00	2.27E-007	4.93E-004	6.00	21.30	28.00	33.65	25.86	29.42	0.00	0.00	0.00	0.30	0.00	130.43	-0.08	0.00	0.00	0.00	31.26	2.98	84.56	0.67	16.96	N/A	N/A	N/A	N/A
286	2.86	1.55	27.37	4.00	2.13E-007	4.57E-004	6.00	21.02	0.00	0.00	0.00	29.35	15.00	100.07	2.12	0.30	8.39	130.30	0.00	1.00	3.84	0.00	100.07	3.05	85.13	0.58	16.96	N/A	N/A	N/A	N/A
287	2.87	1.55	28.00	4.00	2.04E-007	4.37E-004	6.00	21.01	0.00	0.00	0.00	29.63	15.00	100.06	2.12	0.30	8.38	130.81	0.00	1.00	3.75	0.00	100.06	3.09	86.27	0.58	16.99	N/A	N/A	N/A	N/A
288	2.88	1.55	28.09	4.00	2.02E-007	4.32E-004	6.00	21.01	0.00	0.00	0.00	29.70	15.00	100.05	2.11	0.30	8.35	130.94	0.00	1.00	3.74	0.00	100.05	3.10	86.40	0.58	16.99	N/A	N/A	N/A	N/A
289	2.89	1.56	28.19	4.00	2.04E-007	4.40E-004	6.00	21.15	0.00	0.00	0.00	29.84	15.00	100.70	2.11	0.30	8.38	131.22	0.00	1.00	3.75	0.00	100.70	3.09	86.30	0.58	17.00	N/A	N/A	N/A	N/A
290	2.90	1.56	27.71	4.00	2.08E-007	4.49E-004	6.00	21.15	0.00	0.00	0.00	29.69	15.00	100.69	2.11	0.30	8.34	130.98	0.00	1.00	3.82	0.00	100.69	3.07	85.36	0.58	16.98	N/A	N/A	N/A	N/A
291	2.91	1.56	27.71	4.00	2.07E-007	4.46E-004	6.00	21.14	0.00	0.00	0.00	29.73	15.00	100.68	2.10	0.30	8.32	131.05	0.00	1.00	3.82	0.00	100.68	3.08	85.32	0.58	16.98	N/A	N/A	N/A	N/A
292	2.92	1.56	27.71	4.00	2.05E-007	4.43E-004	6.00	21.14	0.00	0.00	0.00	29.76	15.00	100.67	2.09	0.30	8.30	131.13	0.00	1.00	3.81	0.00	100.67	3.08	85.28	0.58	16.98	N/A	N/A	N/A	N/A
293	2.93	1.56	24.94	5.00	2.42E-007	5.21E-004	6.00	21.14	28.00	33.27	25.37	28.68	0.00	0.00	0.00	0.30	0.00	129.20	-0.07	0.00	0.00	0.00	31.71	2.92	80.05	0.59	16.86	N/A	N/A	N/A	N/A
294	2.94	1.56	24.81	5.00	2.42E-007	5.22E-004	6.00	21.13	28.00	33.25	25.36	28.66	0.00	0.00	0.00	0.30	0.00	129.17	-0.07	0.00	0.00	0.00	31.79	2.92	79.77	0.57	16.85	N/A	N/A	N/A	N/A
295	2.95	1.55	24.53	5.00	2.39E-007	5.11E-004	6.00	20.99	28.00	33.22	25.25	28.52	0.00	0.00	0.00	0.30	0.00	128.90	-0.07	0.00	0.00	0.00	31.86	2.93	79.43	0.56	16.84	N/A	N/A	N/A	N/A
296	2.96	1.52	25.03	5.00	2.12E-007	4.45E-004	6.00	20.57	28.00	33.35	25.27	28.57	0.00	0.00	0.00	0.30	0.00	128.96	-0.07	0.00	0.00	0.00	32.14	3.05	81.04	0.64	16.85	N/A	N/A	N/A	N/A
297	2.97	1.51	25.98	4.00	1.94E-007	4.03E-004	6.00	20.43	0.00	0.00	0.00	28.92	15.00	97.27	1.99	0.30	7.92	129.60	0.00	1.00	3.93	0.00	97.27	3.14	83.06	0.58	16.89	N/A	N/A	N/A	N/A
298	2.98	1.50	27.46	4.00	1.71E-007	3.54E-004	6.00	20.29	0.00	0.00	0.00	29.47	15.00	96.60	1.96	0.30	7.88	130.59	0.00	1.00	3.69	0.00	96.60	3.28	86.08	0.58	16.95	N/A	N/A	N/A	N/A
299	2.99	1.48	29.61	4.00	1.42E-007	2.90E-004	6.00	20.00	0.00	0.00	0.00	30.20	15.00	95.25	1.93	0.30	7.81	131.87	0.00	1.00	3.38	0.00	95.25	3.48	90.62	0.58	17.04	N/A	N/A	N/A	N/A
300	3.00	1.48	30.93	4.00	1.31E-007	2.68E-004	6.00	20.00	0.00	0.00	0.00	30.72	15.00	95.24	1.92	0.30	7.81	132.82	0.00	1.00	3.23	0.00	95.24	3.57	93.04	0.58	17.09	N/A	N/A	N/A	N/A
301	3.01	1.50	32.07	4.00	1.29E-007	2.68E-004	6.00	20.28	0.00	0.00	0.00	31.31	15.00	96.56	1.94	0.30	7.90	133.90	0.00	1.00	3.16	0.00	96.56	3.59	94.53	0.58	17.13	N/A	N/A	N/A	N/A
302	3.02	1.53	34.43	4.00	1.23E-007	2.61E-004	6.00	20.70	0.00	0.00	0.00	32.40	15.00	98.55	1.98	0.30	8.05	135.85	0.00	1.00	3.01	0.00	98.55	3.65	97.89	0.58	17.22	N/A	N/A	N/A	N/A
303	3.03	1.56	35.44	4.00	1.26E-007	2.72E-004	6.00	21.11	0.00	0.00	0.00	33.00	15.00	100.54	2.01	0.30	8.18	136.94	0.00	1.00	2.98	0.00	100.54	3.62	98.77	0.58	17.26	N/A	N/A	N/A	N/A
304	3.04	1.61	37.02	4.00	1.32E-007	2.94E-004	6.00	21.81	0.00	0.00	0.00	33.93	15.00	103.86	2.07	0.30	8.42	138.61	0.00	1.00	2.95	0.00	103.86	3.57	100.04	0.58	17.32	N/A	N/A	N/A	N/A
305	3.05	1.62	37.96	4.00	1.29E-007	2.88E-004	6.00	21.95	0.00	0.00	0.00	34.36	15.00	104.52	2.07	0.30	8.45	139.36	0.00	1.00	2.89	0.00	104.52	3.60	101.31	0.58	17.36	N/A	N/A	N/A	N/A
306	3.06	1.64	39.66	4.00	1.25E-007	2.82E-004	6.00	22.23	0.00	0.00	0.00	35.12	15.00	105.84	2.09	0.30	8.55	140.67	0.00	1.00	2.80	0.00	105.84	3.64	103.55	0.58	17.41	N/A	N/A	N/A	N/A
307	3.07	1.64	40.23	4.00	1.21E-007	2.74E-004	6.00	22.22	0.00	0.00	0.00	35.35	15.00	105.83	2.09	0.30	8.53	141.06	0.00	1.00	2.76	0.00	105.83	3.67	104.45	0.58	17.43	N/A	N/A	N/A	N/A
308	3.08	1.64	41.05	4.00	1.16E-007	2.62E-004	6.00	22.22	0.00	0.00	0.00	35.66	15.00	105.82	2.08	0.30	8.52	141.59	0.00	1.00	2.71	0.00	105.82	3.72	105.75	0.58	17.45	N/A	N/A	N/A	N/A
309	3.09	1.65	41.52	4.00	1.16E-007	2.63E-004	7.00	22.36	0.00	0.00	0.00	35.93	15.00	106.47	2.08	0.30	8.55	142.06	0.00	1.00	2.69	0.00	106.47	3.73	106.18	0.58	17.47	N/A	N/A	N/A	N/A
310	3.10	1.65	41.27	4.00	1.16E-007	2.64E-004	7.00	22.36	0.00	0.00	0.00	35.89	15.00	106.46	2.08	0.30	8.52	142.00	0.00	1.00	2.71	0.00	106.46	3.72	105.71	0.58	17.46	N/A	N/A	N/A	N/A
311	3.11	1.66	40.42	4.00	1.23E-007	2.81E-004	7.00	22.49	0.00	0.00	0.00	35.71	15.00	107.12	2.08	0.30	8.53	141.74	0.00	1.00	2.78	0.00	107.12	3.66	103.97	0.58	17.44	N/A	N/A	N/A	N/A
312	3.12	1.66	40.01	4.00	1.24E-007	2.84E-004	7.00	22.49	0.00	0.00	0.00	35.61	15.00	107.10	2.08	0.30	8.50	141.58	0.00	1.00	2.81	0.00	107.10	3.64	103.24	0.58	17.43	N/A	N/A	N/A	N/A
313	3.13	1.66	38.94	4.00	1.29E-007	2.96E-004	7.00	22.49	0.00	0.00	0.00	35.28	15.00	107.09	2.07	0.30	8.46	141.06	0.00	1.00	2.89	0.00	107.09	3.59	101.41	0.58	17.39	N/A	N/A	N/A	N/A
314	3.14	1.65	36.89	4.00	1.37E-007	3.13E-004	6.00	22.35	0.00	0.00	0.00	34.53	15.00	106.41	2.05	0.30	8.37	139.82	0.00	1.00	3.03	0.00	106.41	3.52	98.22	0.58	17.33	N/A	N/A	N/A	N/A
315	3.15	1.64	35.75	4.00	1.41E-007	3.18E-004	6.00	22.20	0.00	0.00	0.00	34.10	15.00	105.74	2.03	0.30	8.28	139.08	0.00	1.00	3.11	0.00	105.74	3.50	96.52	0.58	17.29	N/A	N/A	N/A	N/A
316	3.16	1.64	32.76	4.00	1.62E-007	3.66E-004	6.00	22.20	0.00	0.00	0.00	33.04	15.00	105.72	2.02	0.30	8.22	137.30	0.00	1.00	3.39	0.00	105.72	3.34	91.37	0.58	17.19	N/A	N/A	N/A	N/A
317	3.17	1.65	31.69	4.00	1.74E-007	3.97E-004	6.00	22.34	0.00	0.00	0.00	32.73	15.00	106.38	2.03	0.30	8.22	136.81	0.00	1.00	3.52	0.00	106.38	3.26	89.24	0.58	17.15	N/A	N/A	N/A	N/A
318	3.18	1.66	30.80	4.00	1.86E-007	4.27E-004	6.00	22.48	0.00	0.00	0.00	32.49	15.00	107.03	2.03	0.30	8.23	136.42	0.00	1.00	3.65	0.00	107.03	3.19	87.43	0.58	17.12	N/A	N/A	N/A	N/A
319	3.19	1.66	30.71	4.00	1.86E-007	4.26E-004	6.00	22.47	0.00	0.00	0.00	32.49	15.00	107.02	2.03	0.30	8.21	136.43	0.00	1.00	3.66	0.00	107.02	3.19	87.24	0.58	17.12	N/A	N/A	N/A	N/A
320	3.20	1.66	30.33	4.00	1.89E-007	4.32E-004	6.00	22.47	0.00	0.00	0.00	32.37	15.00	107.01	2.02	0.30	8.18	136.25	0.00	1.00	3.70	0.00	107.01	3.17	86.55	0.58	17.11	N/A	N/A	N/A	N/A
321	3.21	1.69	29.98	4.00	2.05E-007	4.79E-004	6.00	22.89	0.00	0.00	0.00	32.46	15.00	109.00	2.05	0.30	8.29	136.45	0.00	1.00	3.82	0.00	109.00	3.08	85.23	0.58	17.10	N/A	N/A	N/A	N/A
322	3.22	1.74	29.61	5.00	2.34E-007	5.63E-004	6.00	23.59	28.00	33.56	28.47	32.65	0.00	0.00	0.00	0.30	0.00	136.87	-0.07	0.00	0.00	0.00	35.36	2.95	83.48	0.66	17.10	N/A	N/A	N/A	N/A
323	3.23	1.75	29.61	5.00	2.38E-007	5.76E-004	6.00	23.73	28.00	33.54	28.55	32.75	0.00	0.00	0.00	0.30	0.00	137.06	-0.07	0.00	0.00	0.00	35.45	2.94	83.24	0.66	17.10	N/A	N/A	N/A	N/A
324	3.24	1.77	29.92	5.00	2.44E-007	5.96E-004	7.00	24.00	29.00	33.54	28.77	33.03	0.00	0.00	0.00	0.30	0.00	137.58	-0.07	0.00	0.00	0.00	35.57	2.91	83.31	0.66	17.12	N/A	N/A	N/A	N/A
325	3.25	1.78	30.02	5.00	2.46E-007	6.06E-004	7.00	24.14	29.00	33.54	28.88	33.16	0.00	0.00	0.00	0.30	0.00	137.84	-0.07	0.00	0.00	0.00	35.68	2.90	83.24	0.66	17.12	N/A	N/A	N/A	N/A
326	3.26	1.79	30.24	5.00	2.48E-007	6.13E-004	7.00	24.28	29.00	33.55	29.02	33.34	0.00	0.00	0.00	0.30	0.00	138.17	-0.07	0.00	0.00	0.00	35.81	2.90	83.37	0.66	17.13	N/A	N/A	N/A	N/A
327	3.27	1.81	30.30	5.00	2.56E-007	6.42E-004	7.00	24.56	29.00	33.52	29.16	33.52	0.00	0.00	0.00	0.30	0.00	138.52	-0.07	0.00	0.00	0.00	35.88	2.87	83.03	0.66	17.14	N/A	N/A	N/A	N/A
328	3.28	1.82	30.96	5.00	2.52E-007	6.33E-004	7.00	24.69	29.00	33.59	29.43	33.88	0.00	0.00	0.00	0.30	0.00	139.15	-0.07	0.00	0.00	0.00	36.09	2.88	83.87	0.66	17.17	N/A	N/A	N/A	N/A
329	3.29	1.83	31.25	5.00	2.52E-007	6.37E-004	7.00	24.83	29.00	33.61	29.59	34.09	0.00	0.00	0.00	0.30	0.00	139.53	-0.08	0.00	0.00	0.00	36.23	2.88	84.11	0.66	17.18	N/A	N/A	N/A	N/A
330	3.30	1.84	31.53	5.00	2.52E-007	6.41E-004	7.00	24.97	29.00	33.63	29.75	34.30	0.00	0.00	0.00	0.30	0.00	139.90	-0.08	0.00	0.00	0.00	36.37	2.88	84.32	0.67	17.19	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
331	3.31	1.86	31.69	5.00	2.59E-007	6.68E-004	7.00	25.25	29.00	33.61	29.92	34.52	0.00	0.00	0.00	0.30	0.00	140.30	-0.08	0.00	0.00	0.00	36.46	2.86	84.15	0.66	17.20	N/A	N/A	N/A	N/A
332	3.32	1.88	32.03	5.00	2.65E-007	6.88E-004	7.00	25.52	29.00	33.62	30.14	34.81	0.00	0.00	0.00	0.30	0.00	140.82	-0.08	0.00	0.00	0.00	36.59	2.84	84.27	0.66	17.22	N/A	N/A	N/A	N/A
333	3.33	1.89	32.26	5.00	2.65E-007	6.94E-004	7.00	25.66	29.00	33.63	30.28	34.99	0.00	0.00	0.00	0.30	0.00	141.16	-0.08	0.00	0.00	0.00	36.72	2.83	84.40	0.67	17.23	N/A	N/A	N/A	N/A
334	3.34	1.93	32.76	5.00	2.80E-007	7.48E-004	7.00	26.22	29.00	33.63	30.65	35.46	0.00	0.00	0.00	0.30	0.00	142.00	-0.08	0.00	0.00	0.00	36.83	2.79	84.38	0.67	17.25	N/A	N/A	N/A	N/A
335	3.35	1.94	32.85	5.00	2.83E-007	7.60E-004	7.00	26.36	29.00	33.63	30.75	35.59	0.00	0.00	0.00	0.30	0.00	142.24	-0.08	0.00	0.00	0.00	36.94	2.78	84.30	0.67	17.26	N/A	N/A	N/A	N/A
336	3.36	1.95	32.95	5.00	2.86E-007	7.72E-004	7.00	26.49	29.00	33.62	30.86	35.73	0.00	0.00	0.00	0.30	0.00	142.48	-0.08	0.00	0.00	0.00	37.05	2.77	84.23	0.66	17.26	N/A	N/A	N/A	N/A
337	3.37	1.96	32.89	5.00	2.91E-007	7.90E-004	7.00	26.63	30.00	33.59	30.92	35.80	0.00	0.00	0.00	0.30	0.00	142.62	-0.07	0.00	0.00	0.00	37.13	2.75	83.92	0.66	17.26	N/A	N/A	N/A	N/A
338	3.38	1.98	32.89	5.00	3.01E-007	8.26E-004	7.00	26.91	30.00	33.56	31.04	35.95	0.00	0.00	0.00	0.30	0.00	142.91	-0.07	0.00	0.00	0.00	37.19	2.72	83.53	0.66	17.27	N/A	N/A	N/A	N/A
339	3.39	1.99	34.05	5.00	2.88E-007	7.95E-004	7.00	27.05	30.00	33.69	31.44	36.50	0.00	0.00	0.00	0.30	0.00	143.84	-0.08	0.00	0.00	0.00	37.49	2.76	85.06	0.67	17.31	N/A	N/A	N/A	N/A
340	3.40	1.98	34.84	5.00	2.70E-007	7.41E-004	7.00	26.91	30.00	33.79	31.65	36.79	0.00	0.00	0.00	0.30	0.00	144.30	-0.08	0.00	0.00	0.00	37.75	2.82	86.40	0.67	17.33	N/A	N/A	N/A	N/A
341	3.41	1.92	36.67	4.00	2.17E-007	5.77E-004	7.00	26.06	0.00	0.00	0.00	37.18	15.00	124.11	2.19	0.30	8.95	144.86	0.00	1.00	3.55	0.00	124.11	3.03	90.31	0.58	17.38	N/A	N/A	N/A	N/A
342	3.42	1.88	38.18	4.00	1.85E-007	4.81E-004	7.00	25.50	0.00	0.00	0.00	37.53	15.00	121.43	2.14	0.30	8.78	145.39	0.00	1.00	3.34	0.00	121.43	3.19	93.43	0.58	17.42	N/A	N/A	N/A	N/A
343	3.43	1.77	42.94	4.00	1.17E-007	2.86E-004	7.00	23.96	0.00	0.00	0.00	38.56	15.00	114.08	2.00	0.30	8.35	146.89	0.00	1.00	2.79	0.00	114.08	3.71	103.31	0.58	17.53	N/A	N/A	N/A	N/A
344	3.44	1.71	45.09	4.00	9.25E-008	2.18E-004	7.00	23.12	0.00	0.00	0.00	38.91	15.00	110.07	1.93	0.30	8.10	147.37	0.00	1.00	2.56	0.00	110.07	4.01	108.15	0.58	17.57	N/A	N/A	N/A	N/A
345	3.45	1.67	48.40	4.00	7.34E-008	1.69E-004	7.00	22.55	0.00	0.00	0.00	39.75	15.00	107.39	1.87	0.30	7.93	148.65	0.00	1.00	2.33	0.00	107.39	4.32	114.25	0.58	17.65	N/A	N/A	N/A	N/A
346	3.46	1.59	55.02	4.00	4.71E-008	1.03E-004	7.00	21.43	0.00	0.00	0.00	41.23	15.00	102.05	1.78	0.30	7.62	150.85	0.00	1.00	1.95	0.00	102.05	4.98	126.47	0.58	17.78	N/A	N/A	N/A	N/A
347	3.47	1.55	57.92	4.00	3.82E-008	8.13E-005	7.00	20.87	0.00	0.00	0.00	41.81	15.00	99.37	1.72	0.30	7.45	151.69	0.00	1.00	1.80	0.00	99.37	5.31	131.90	0.58	17.82	N/A	N/A	N/A	N/A
348	3.48	1.49	63.31	3.00	2.72E-008	5.56E-005	7.00	20.02	0.00	0.00	0.00	42.86	15.00	95.36	1.65	0.30	7.20	153.22	0.00	1.00	1.58	0.00	95.36	5.90	141.50	0.58	17.91	N/A	N/A	N/A	N/A
349	3.49	1.47	65.83	3.00	2.37E-008	4.78E-005	7.00	19.74	0.00	0.00	0.00	43.42	15.00	94.01	1.62	0.30	7.11	154.04	0.00	1.00	1.50	0.00	94.01	6.15	145.60	0.58	17.95	N/A	N/A	N/A	N/A
350	3.50	1.44	68.51	3.00	2.00E-008	3.95E-005	7.00	19.32	0.00	0.00	0.00	43.90	15.00	92.00	1.58	0.30	6.97	154.73	0.00	1.00	1.41	0.00	92.00	6.46	150.22	0.58	17.99	N/A	N/A	N/A	N/A
351	3.51	1.40	74.63	3.00	1.50E-008	2.87E-005	7.00	18.76	0.00	0.00	0.00	45.14	15.00	89.32	1.53	0.30	6.81	156.52	0.00	1.00	1.26	0.00	89.32	7.04	159.77	0.58	18.08	N/A	N/A	N/A	N/A
352	3.52	1.40	77.85	3.00	1.37E-008	2.62E-005	7.00	18.75	0.00	0.00	0.00	45.99	15.00	89.31	1.53	0.30	6.80	157.77	0.00	1.00	1.20	0.00	89.31	7.23	163.87	0.58	18.13	N/A	N/A	N/A	N/A
353	3.53	1.40	80.97	3.00	1.26E-008	2.41E-005	7.00	18.75	0.00	0.00	0.00	46.80	15.00	89.30	1.52	0.30	6.80	158.96	0.00	1.00	1.16	0.00	89.30	7.40	167.77	0.58	18.17	N/A	N/A	N/A	N/A
354	3.54	1.42	85.04	3.00	1.21E-008	2.34E-005	7.00	19.03	0.00	0.00	0.00	48.04	15.00	90.62	1.54	0.30	6.89	160.77	0.00	1.00	1.12	0.00	90.62	7.50	172.07	0.58	18.23	N/A	N/A	N/A	N/A
355	3.55	1.40	86.36	3.00	1.10E-008	2.09E-005	7.00	18.75	0.00	0.00	0.00	48.20	15.00	89.27	1.51	0.30	6.78	160.98	0.00	1.00	1.09	0.00	89.27	7.71	174.27	0.58	18.25	N/A	N/A	N/A	N/A
356	3.56	1.38	87.91	3.00	9.87E-009	1.86E-005	7.00	18.46	0.00	0.00	0.00	48.42	15.00	87.93	1.48	0.30	6.68	161.28	0.00	1.00	1.05	0.00	87.93	7.94	176.67	0.58	18.26	N/A	N/A	N/A	N/A
357	3.57	1.37	89.80	3.00	9.06E-009	1.69E-005	7.00	18.32	0.00	0.00	0.00	48.84	15.00	87.25	1.47	0.30	6.60	161.89	0.00	1.00	1.02	0.00	87.25	8.13	179.01	0.58	18.28	N/A	N/A	N/A	N/A
358	3.58	1.37	90.24	3.00	8.91E-009	1.66E-005	7.00	18.32	0.00	0.00	0.00	49.01	15.00	87.24	1.46	0.30	6.58	162.14	0.00	1.00	1.02	0.00	87.24	8.17	179.32	0.58	18.29	N/A	N/A	N/A	N/A
359	3.59	1.39	88.19	3.00	9.91E-009	1.88E-005	7.00	18.60	0.00	0.00	0.00	48.75	15.00	88.56	1.48	0.30	6.66	161.80	0.00	1.00	1.05	0.00	88.56	7.93	176.11	0.58	18.27	N/A	N/A	N/A	N/A
360	3.60	1.41	87.27	3.00	1.07E-008	2.06E-005	7.00	18.87	0.00	0.00	0.00	48.78	15.00	89.88	1.50	0.30	6.73	161.88	0.00	1.00	1.08	0.00	89.88	7.76	174.17	0.58	18.26	N/A	N/A	N/A	N/A
361	3.61	1.43	86.90	3.00	1.14E-008	2.22E-005	7.00	19.15	0.00	0.00	0.00	48.95	15.00	91.20	1.52	0.30	6.80	162.17	0.00	1.00	1.10	0.00	91.20	7.63	172.84	0.58	18.26	N/A	N/A	N/A	N/A
362	3.62	1.42	87.12	3.00	1.09E-008	2.11E-005	7.00	19.01	0.00	0.00	0.00	48.95	15.00	90.52	1.50	0.30	6.74	162.16	0.00	1.00	1.09	0.00	90.52	7.72	173.28	0.58	18.26	N/A	N/A	N/A	N/A
363	3.63	1.40	87.40	3.00	1.01E-008	1.93E-005	7.00	18.73	0.00	0.00	0.00	48.87	15.00	89.18	1.47	0.30	6.63	162.04	0.00	1.00	1.07	0.00	89.18	7.88	174.10	0.58	18.26	N/A	N/A	N/A	N/A
364	3.64	1.39	86.55	3.00	9.94E-009	1.88E-005	7.00	18.58	0.00	0.00	0.00	48.63	15.00	88.50	1.46	0.30	6.56	161.70	0.00	1.00	1.07	0.00	88.50	7.92	173.19	0.58	18.24	N/A	N/A	N/A	N/A
365	3.65	1.38	86.80	3.00	9.49E-009	1.78E-005	7.00	18.44	0.00	0.00	0.00	48.66	15.00	87.82	1.44	0.30	6.49	161.74	0.00	1.00	1.06	0.00	87.82	8.03	173.57	0.58	18.25	N/A	N/A	N/A	N/A
366	3.66	1.33	86.77	3.00	7.99E-009	1.44E-005	7.00	17.74	0.00	0.00	0.00	48.25	15.00	84.47	1.38	0.30	6.22	161.13	0.00	1.00	1.02	0.00	84.47	8.43	174.73	0.58	18.23	N/A	N/A	N/A	N/A
367	3.67	1.31	86.64	3.00	7.43E-009	1.32E-005	7.00	17.46	0.00	0.00	0.00	48.09	15.00	83.13	1.36	0.30	6.10	160.89	0.00	1.00	1.01	0.00	83.13	8.60	174.93	0.58	18.22	N/A	N/A	N/A	N/A
368	3.68	1.28	86.01	3.00	6.74E-009	1.17E-005	7.00	17.03	0.00	0.00	0.00	47.70	15.00	81.11	1.32	0.30	5.94	160.33	0.00	1.00	0.99	0.00	81.11	8.83	174.80	1.40	18.21	N/A	N/A	N/A	N/A
369	3.69	1.26	85.48	3.00	6.32E-009	1.08E-005	7.00	16.75	0.00	0.00	0.00	47.44	15.00	79.77	1.29	0.30	5.82	159.94	0.00	1.00	0.98	0.00	79.77	8.99	174.51	1.39	18.19	N/A	N/A	N/A	N/A
370	3.70	1.24	85.16	3.00	5.88E-009	9.87E-006	6.00	16.47	0.00	0.00	0.00	47.22	15.00	78.42	1.27	0.30	5.71	159.61	0.00	1.00	0.97	0.00	78.42	9.17	174.46	1.38	18.18	N/A	N/A	N/A	N/A
371	3.71	1.23	85.54	3.00	5.58E-009	9.28E-006	6.00	16.33	0.00	0.00	0.00	47.27	15.00	77.74	1.25	0.30	5.64	159.69	0.00	1.00	0.95	0.00	77.74	9.30	174.96	1.38	18.18	N/A	N/A	N/A	N/A
372	3.72	1.24	86.17	3.00	5.66E-009	9.49E-006	6.00	16.46	0.00	0.00	0.00	47.57	15.00	78.40	1.26	0.30	5.67	160.15	0.00	1.00	0.96	0.00	78.40	9.27	175.24	1.39	18.20	N/A	N/A	N/A	N/A
373	3.73	1.23	86.01	3.00	5.43E-009	9.04E-006	6.00	16.32	0.00	0.00	0.00	47.49	15.00	77.72	1.25	0.30	5.61	160.04	0.00	1.00	0.95	0.00	77.72	9.37	175.11	1.38	18.19	N/A	N/A	N/A	N/A
374	3.74	1.24	84.41	3.00	5.82E-009	9.77E-006	6.00	16.46	0.00	0.00	0.00	47.25	15.00	78.37	1.25	0.30	5.64	159.71	0.00	1.00	0.97	0.00	78.37	9.19	172.79	1.35	18.17	N/A	N/A	N/A	N/A
375	3.75	1.23	83.02	3.00	5.77E-009	9.59E-006	6.00	16.32	0.00	0.00	0.00	46.86	15.00	77.69	1.24	0.30	5.57	159.15	0.00	1.00	0.98	0.00	77.69	9.22	171.23	1.32	18.15	N/A	N/A	N/A	N/A
376	3.76	1.20	81.13	3.00	5.37E-009	8.70E-006	6.00	15.89	0.00	0.00	0.00	46.15	15.00	75.68	1.20	0.30	5.41	158.09	0.00	1.00	0.98	0.00	75.68	9.40	169.58	1.29	18.11	N/A	N/A	N/A	N/A
377	3.77	1.18	81.09	3.00	4.95E-009	7.87E-006	6.00	15.61	0.00	0.00	0.00	45.99	15.00	74.34	1.18	0.30	5.30	157.85	0.00	1.00	0.96	0.00	74.34	9.61	169.84	1.29	18.11	N/A	N/A	N/A	N/A
378	3.78	1.14	79.27	3.00	4.40E-009	6.75E-006	6.00	15.05	0.00	0.00	0.00	45.18	15.00	71.66	1.13	0.30	5.10	156.63	0.00	1.00	0.95	0.00	71.66	9.92	168.48	1.25	18.07	N/A	N/A	N/A	N/A
379	3.79	1.14	77.66	3.00	4.56E-009	6.99E-006	6.00	15.05	0.00	0.00	0.00	44.83	15.00	71.65	1.13	0.30	5.08	156.11	0.00	1.00	0.97	0.00	71.65	9.82	166.38	1.22	18.04	N/A	N/A	N/A	N/A
380	3.80	1.13	74.66	3.00	4.72E-009	7.17E-006	6.00	14.90	0.00	0.00	0.00	44.01	15.00	70.97	1.12	0.30	5.02	154.89	0.00	1.00	1.00	0.00	70.97	9.73	162.84	1.17	18.00	N/A	N/A	N/A	N/A
381	3.81	1.13	74.10	3.00	4.76E-009	7.23E-006	6.00	14.90	0.00	0.00	0.00	43.92	15.00	70.96	1.11	0.30	5.00	154.76	0.00	1.00	1.01	0.00	70.96	9.71	161.98	1.16	17.99	N/A	N/A	N/A	N/A
382	3.82	1.13	73.37	3.00	4.82E-009	7.32E-006	6.00	14.90	0.00	0.00	0.00	43.77	15.00	70.94	1.11	0.30	4.99	154.56	0.00	1.00	1.02	0.00	70.94	9.68	160.92	1.15	17.98	N/A	N/A	N/A	N/A
383	3.83	1.12	71.79	3.00	4.81E-009	7.23E-006	6.00	14.76	0.00	0.00	0.00	43.31	15.00	70.27	1.09	0.30	4.93	153.86	0.00	1.00	1.03	0.00	70.27	9.68	159.06	1.12	17.95	N/A	N/A	N/A	N/A
384	3.84	1.12	71.04	3.00	4.88E-009	7.34E-006	6.00	14.75	0.00	0.00	0.00	43.16	15.00	70.26	1.09	0.30	4.91	153.65	0.00	1.00	1.04	0.00	70.26	9.65	157.97	1.10	17.93	N/A	N/A	N/A	N/A
385	3.85	1.12	70.82	3.00	4.87E-009	7.33E-006	6.00	14.75	0.00	0.00	0.00	43.15	15.00	70.24	1.09	0.30	4.90	153.65	0.00	1.00	1.04	0.00	70.24	9.65	157.53	1.10	17.93	N/A	N/A	N/A	N/A
386	3.86	1.13	71.10	3.00	5.00E-009	7.59E-006	6.00	14.89	0.00	0.00	0.00	43.37	15.00	70.90	1.10	0.30	4.93	154.00	0.00	1.00	1.05	0.00	70.90	9.58	157.47	1.10	17.94	N/A	N/A	N/A	N/A
387	3.87	1.14	71.23	3.00	5.15E-009	7.89E-006	6.00	15.03	0.00	0.00	0.00	43.55	15.00	71.56	1.10	0.30	4.96	154.30	0.00	1.00	1.05	0.00	71.56	9.51	157.22	1.10	17.94	N/A	N/A	N/A	N/A
388	3.88	1.20	72.01	3.00	6.32E-009	1.02E-005	6.00	15.87	0.00	0.00	0.00	44.39	15.00	75.56	1.16	0.30	5.22	155.64	0.00	1.00	1.10	0.00	75.56	8.99	156.53	1.11	17.98	N/A	N/A	N/A	N/A
389	3.89	1.23	72.46	3.00	6.94E-009	1.15E-005	6.00	16.29	0.00	0.00	0.00	44.85	15.00	77.55	1.19	0.30	5.35	156.36	0.00	1.00	1.12	0.00	77.55	8.76	156.17	0.58	17.99	N/A	N/A	N/A	N/A
390	3.90	1.28	73.28	3.00	8.07E-009	1.40E-005	6.00	16.98	0.00	0.00	0.00	45.58	15.00	80.87	1.24	0.30	5.56	157.51	0.00	1.00	1.16	0.00	80.87	8.40	155.74	0.58	18.02	N/A	N/A	N/A	N/A
391	3.91	1.28	73.28	3.00	8.02E-009	1.39E-005	6.00	16.98	0.00	0.00	0.00	45.63	15.00	80.86	1.23	0.30	5.55	157.60	0.00	1.00	1.16	0.00	80.86	8.42	155.59	0.58	18.02	N/A	N/A	N/A	N/A
392	3.92	1.28	73.28	3.00	7.96E-009	1.38E-005	6.00	16.98	0.00	0.00	0.00	45.68	15.00	80.85	1.23	0.30	5.53	157.68	0.00	1.00	1.16	0.00	80.85	8.43	155.43	0.58	18.02	N/A	N/A	N/A	N/A
393	3.93	1.45	63.37	3.00	1.82E-008	3.58E-005	7.00	19.36	0.00	0.00	0.00	44.58	15.00	92.20	1.40	0.30	6.21	156.29	0.00	1.00	1.53	0.00	92.20	6.66	137.88	0.58	17.90	N/A	N/A	N/A	N/A
394	3.94	1.42	62.65	3.00	1.69E-008	3.26E-005	7.00	18.94	0.00	0.00	0.00	44.14	15.00	90.19	1.36	0.30	6.07	155.61	0.00	1.00	1.51	0.00	90.19	6.80	137.71	0.58	17.88	N/A	N/A	N/A	N/A
395	3.95	1.41	63.00	3.00	1.61E-008	3.08E-005	7.00	18.80	0.00	0.00	0.00	44.19	15.00	89.52	1.35	0.30	6.02	155.69	0.00	1.00	1.49	0.00	89.52	6.90	138.36	0.58	17.89	N/A	N/A	N/A	N/A
396	3.96	1.40	63.00	3.00	1.55E-008	2.95E-005	7.00	18.66	0.00	0.00	0.00	44.14	15.00	88.84	1.34	0.30	5.96	155.61	0.00	1.00	1.48	0.00	88.84	6.97	138.55	0.58	17.88	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
397	3.97	1.39	63.75	3.00	1.46E-008	2.76E-005	7.00	18.51	0.00	0.00	0.00	44.30	15.00	88.16	1.32	0.30	5.91	155.85	0.00	1.00	1.45	0.00	88.16	7.09	139.72	0.58	17.89	N/A	N/A	N/A	N/A
398	3.98	1.38	64.67	3.00	1.37E-008	2.57E-005	7.00	18.37	0.00	0.00	0.00	44.51	15.00	87.48	1.31	0.30	5.86	156.16	0.00	1.00	1.42	0.00	87.48	7.23	141.10	0.58	17.91	N/A	N/A	N/A	N/A
399	3.99	1.38	65.58	3.00	1.33E-008	2.48E-005	7.00	18.37	0.00	0.00	0.00	44.81	15.00	87.46	1.30	0.30	5.85	156.61	0.00	1.00	1.40	0.00	87.46	7.30	142.16	0.58	17.92	N/A	N/A	N/A	N/A
400	4.00	1.37	67.32	3.00	1.21E-008	2.26E-005	7.00	18.23	0.00	0.00	0.00	45.24	15.00	86.79	1.29	0.30	5.80	157.25	0.00	1.00	1.35	0.00	86.79	7.48	144.56	0.58	17.95	N/A	N/A	N/A	N/A
401	4.01	1.38	68.86	3.00	1.19E-008	2.23E-005	7.00	18.36	0.00	0.00	0.00	45.81	15.00	87.44	1.30	0.30	5.83	158.10	0.00	1.00	1.33	0.00	87.44	7.52	146.10	0.58	17.98	N/A	N/A	N/A	N/A
402	4.02	1.40	71.76	3.00	1.16E-008	2.21E-005	7.00	18.64	0.00	0.00	0.00	46.84	15.00	88.76	1.31	0.30	5.90	159.63	0.00	1.00	1.30	0.00	88.76	7.57	149.02	0.58	18.03	N/A	N/A	N/A	N/A
403	4.03	1.43	73.69	3.00	1.20E-008	2.34E-005	7.00	19.06	0.00	0.00	0.00	47.70	15.00	90.74	1.34	0.30	6.01	160.92	0.00	1.00	1.29	0.00	90.74	7.50	150.39	0.58	18.07	N/A	N/A	N/A	N/A
404	4.04	1.44	75.77	3.00	1.17E-008	2.28E-005	7.00	19.19	0.00	0.00	0.00	48.40	15.00	91.39	1.35	0.30	6.05	161.94	0.00	1.00	1.27	0.00	91.39	7.57	152.50	0.58	18.11	N/A	N/A	N/A	N/A
405	4.05	1.47	78.07	3.00	1.20E-008	2.39E-005	7.00	19.61	0.00	0.00	0.00	49.35	15.00	93.37	1.37	0.30	6.16	163.34	0.00	1.00	1.26	0.00	93.37	7.52	154.26	0.58	18.15	N/A	N/A	N/A	N/A
406	4.06	1.49	79.14	3.00	1.23E-008	2.49E-005	7.00	19.89	0.00	0.00	0.00	49.88	15.00	94.70	1.39	0.30	6.22	164.11	0.00	1.00	1.26	0.00	94.70	7.46	154.81	0.58	18.17	N/A	N/A	N/A	N/A
407	4.07	1.49	82.58	3.00	1.12E-008	2.27E-005	7.00	19.88	0.00	0.00	0.00	50.82	15.00	94.68	1.38	0.30	6.22	165.43	0.00	1.00	1.20	0.00	94.68	7.66	158.71	0.58	18.22	N/A	N/A	N/A	N/A
408	4.08	1.46	84.82	3.00	9.62E-009	1.91E-005	7.00	19.46	0.00	0.00	0.00	51.20	15.00	92.65	1.35	0.30	6.07	165.94	0.00	1.00	1.15	0.00	92.65	8.00	161.85	0.58	18.24	N/A	N/A	N/A	N/A
409	4.09	1.43	87.09	3.00	8.24E-009	1.60E-005	7.00	19.04	0.00	0.00	0.00	51.58	15.00	90.66	1.32	0.30	5.92	166.45	0.00	1.00	1.09	0.00	90.66	8.35	164.93	0.58	18.26	N/A	N/A	N/A	N/A
410	4.10	1.41	87.46	3.00	7.62E-009	1.46E-005	7.00	18.76	0.00	0.00	0.00	51.54	15.00	89.32	1.29	0.30	5.82	166.40	0.00	1.00	1.07	0.00	89.32	8.54	165.66	0.58	18.26	N/A	N/A	N/A	N/A
411	4.11	1.40	88.16	3.00	7.21E-009	1.37E-005	7.00	18.61	0.00	0.00	0.00	51.68	15.00	88.64	1.28	0.30	5.76	166.59	0.00	1.00	1.06	0.00	88.64	8.67	166.50	0.58	18.27	N/A	N/A	N/A	N/A
412	4.12	1.39	88.82	3.00	6.83E-009	1.29E-005	7.00	18.47	0.00	0.00	0.00	51.81	15.00	87.97	1.27	0.30	5.70	166.77	0.00	1.00	1.04	0.00	87.97	8.80	167.28	0.58	18.27	N/A	N/A	N/A	N/A
413	4.13	1.40	88.66	3.00	7.04E-009	1.34E-005	7.00	18.61	0.00	0.00	0.00	51.92	15.00	88.62	1.27	0.30	5.73	166.94	0.00	1.00	1.05	0.00	88.62	8.73	166.71	0.58	18.28	N/A	N/A	N/A	N/A
414	4.14	1.42	88.95	3.00	7.41E-009	1.43E-005	7.00	18.89	0.00	0.00	0.00	52.24	15.00	89.96	1.29	0.30	5.80	167.41	0.00	1.00	1.06	0.00	89.96	8.60	166.37	0.58	18.28	N/A	N/A	N/A	N/A
415	4.15	1.44	88.91	3.00	7.85E-009	1.53E-005	7.00	19.17	0.00	0.00	0.00	52.47	15.00	91.28	1.30	0.30	5.87	167.76	0.00	1.00	1.08	0.00	91.28	8.47	165.69	0.58	18.29	N/A	N/A	N/A	N/A
416	4.16	1.44	88.95	3.00	7.79E-009	1.52E-005	7.00	19.17	0.00	0.00	0.00	52.53	15.00	91.27	1.30	0.30	5.86	167.86	0.00	1.00	1.08	0.00	91.27	8.48	165.58	0.58	18.29	N/A	N/A	N/A	N/A
417	4.17	1.48	88.82	3.00	8.79E-009	1.77E-005	7.00	19.72	0.00	0.00	0.00	52.92	15.00	93.92	1.34	0.30	6.01	168.43	0.00	1.00	1.11	0.00	93.92	8.20	164.32	0.58	18.30	N/A	N/A	N/A	N/A
418	4.18	1.50	88.35	3.00	9.38E-009	1.91E-005	8.00	20.00	0.00	0.00	0.00	53.03	15.00	95.23	1.35	0.30	6.08	168.62	0.00	1.00	1.13	0.00	95.23	8.05	163.18	0.58	18.30	N/A	N/A	N/A	N/A
419	4.19	1.51	87.81	3.00	9.72E-009	2.00E-005	8.00	20.13	0.00	0.00	0.00	53.03	15.00	95.88	1.36	0.30	6.10	168.64	0.00	1.00	1.15	0.00	95.88	7.97	162.21	0.58	18.29	N/A	N/A	N/A	N/A
420	4.20	1.53	87.87	3.00	1.02E-008	2.13E-005	8.00	20.41	0.00	0.00	0.00	53.28	15.00	97.20	1.37	0.30	6.17	169.01	0.00	1.00	1.16	0.00	97.20	7.86	161.63	0.58	18.30	N/A	N/A	N/A	N/A
421	4.21	1.52	88.79	3.00	9.67E-009	2.00E-005	8.00	20.27	0.00	0.00	0.00	53.49	15.00	96.52	1.36	0.30	6.11	169.29	0.00	1.00	1.14	0.00	96.52	7.99	162.72	0.58	18.31	N/A	N/A	N/A	N/A
422	4.22	1.52	89.67	3.00	9.41E-009	1.94E-005	8.00	20.27	0.00	0.00	0.00	53.77	15.00	96.51	1.35	0.30	6.10	169.69	0.00	1.00	1.13	0.00	96.51	8.05	163.50	0.58	18.32	N/A	N/A	N/A	N/A
423	4.23	1.51	89.80	3.00	9.05E-009	1.86E-005	8.00	20.12	0.00	0.00	0.00	53.77	15.00	95.83	1.34	0.30	6.04	169.69	0.00	1.00	1.12	0.00	95.83	8.13	163.73	0.58	18.32	N/A	N/A	N/A	N/A
424	4.24	1.51	89.45	3.00	9.07E-009	1.86E-005	8.00	20.12	0.00	0.00	0.00	53.73	15.00	95.81	1.34	0.30	6.02	169.65	0.00	1.00	1.12	0.00	95.81	8.13	163.21	0.58	18.31	N/A	N/A	N/A	N/A
425	4.25	1.52	89.67	3.00	9.23E-009	1.91E-005	8.00	20.26	0.00	0.00	0.00	53.93	15.00	96.46	1.34	0.30	6.05	169.94	0.00	1.00	1.13	0.00	96.46	8.09	163.06	0.58	18.32	N/A	N/A	N/A	N/A
426	4.26	1.53	89.39	3.00	9.52E-009	1.98E-005	8.00	20.40	0.00	0.00	0.00	54.01	15.00	97.13	1.35	0.30	6.07	170.06	0.00	1.00	1.14	0.00	97.13	8.02	162.37	0.58	18.32	N/A	N/A	N/A	N/A
427	4.27	1.54	90.11	3.00	9.58E-009	2.01E-005	8.00	20.54	0.00	0.00	0.00	54.34	15.00	97.79	1.36	0.30	6.10	170.53	0.00	1.00	1.14	0.00	97.79	8.00	162.74	0.58	18.33	N/A	N/A	N/A	N/A
428	4.28	1.55	91.56	3.00	9.49E-009	2.00E-005	8.00	20.67	0.00	0.00	0.00	54.87	15.00	98.45	1.36	0.30	6.12	171.26	0.00	1.00	1.13	0.00	98.45	8.03	163.88	0.58	18.35	N/A	N/A	N/A	N/A
429	4.29	1.56	92.57	3.00	9.49E-009	2.01E-005	8.00	20.81	0.00	0.00	0.00	55.28	15.00	99.11	1.37	0.30	6.15	171.83	0.00	1.00	1.12	0.00	99.11	8.03	164.54	0.58	18.37	N/A	N/A	N/A	N/A
430	4.30	1.59	94.87	3.00	9.77E-009	2.11E-005	8.00	21.23	0.00	0.00	0.00	56.20	15.00	101.09	1.39	0.30	6.26	173.09	0.00	1.00	1.12	0.00	101.09	7.96	166.07	0.58	18.40	N/A	N/A	N/A	N/A
431	4.31	1.61	95.47	3.00	1.01E-008	2.22E-005	8.00	21.51	0.00	0.00	0.00	56.59	15.00	102.41	1.40	0.30	6.32	173.63	0.00	1.00	1.13	0.00	102.41	7.88	166.06	0.58	18.41	N/A	N/A	N/A	N/A
432	4.32	1.63	96.95	3.00	1.03E-008	2.29E-005	8.00	21.78	0.00	0.00	0.00	57.21	15.00	103.71	1.42	0.30	6.39	174.47	0.00	1.00	1.12	0.00	103.71	7.84	166.95	0.58	18.44	N/A	N/A	N/A	N/A
433	4.33	1.68	98.03	3.00	1.14E-008	2.62E-005	8.00	22.47	0.00	0.00	0.00	57.98	15.00	106.99	1.46	0.30	6.57	175.53	0.00	1.00	1.15	0.00	106.99	7.61	166.73	0.58	18.46	N/A	N/A	N/A	N/A
434	4.34	1.68	98.59	3.00	1.12E-008	2.57E-005	8.00	22.46	0.00	0.00	0.00	58.18	15.00	106.97	1.46	0.30	6.55	175.80	0.00	1.00	1.14	0.00	106.97	7.65	167.15	0.58	18.47	N/A	N/A	N/A	N/A
435	4.35	1.68	100.61	3.00	1.07E-008	2.45E-005	8.00	22.45	0.00	0.00	0.00	58.76	15.00	106.91	1.45	0.30	6.53	176.56	0.00	1.00	1.12	0.00	106.91	7.76	169.04	0.58	18.49	N/A	N/A	N/A	N/A
436	4.36	1.68	100.96	3.00	1.05E-008	2.41E-005	8.00	22.45	0.00	0.00	0.00	58.90	15.00	106.89	1.45	0.30	6.52	176.76	0.00	1.00	1.11	0.00	106.89	7.79	169.24	0.58	18.49	N/A	N/A	N/A	N/A
437	4.37	1.72	101.72	3.00	1.15E-008	2.69E-005	8.00	23.00	0.00	0.00	0.00	59.51	15.00	109.52	1.48	0.30	6.66	177.58	0.00	1.00	1.13	0.00	109.52	7.61	168.91	0.58	18.51	N/A	N/A	N/A	N/A
438	4.38	1.73	101.75	3.00	1.17E-008	2.76E-005	8.00	23.14	0.00	0.00	0.00	59.66	15.00	110.17	1.49	0.30	6.68	177.79	0.00	1.00	1.14	0.00	110.17	7.57	168.56	0.58	18.51	N/A	N/A	N/A	N/A
439	4.39	1.77	101.68	3.00	1.28E-008	3.10E-005	9.00	23.69	0.00	0.00	0.00	60.08	15.00	112.82	1.52	0.30	6.82	178.38	0.00	1.00	1.17	0.00	112.82	7.36	167.30	0.58	18.52	N/A	N/A	N/A	N/A
440	4.40	1.80	101.40	3.00	1.38E-008	3.39E-005	9.00	24.11	0.00	0.00	0.00	60.35	15.00	114.80	1.54	0.30	6.91	178.77	0.00	1.00	1.19	0.00	114.80	7.21	166.10	0.58	18.53	N/A	N/A	N/A	N/A
441	4.41	1.82	100.77	3.00	1.46E-008	3.63E-005	9.00	24.39	0.00	0.00	0.00	60.44	15.00	116.14	1.55	0.30	6.97	178.91	0.00	1.00	1.21	0.00	116.14	7.10	164.81	0.58	18.52	N/A	N/A	N/A	N/A
442	4.42	1.83	99.95	3.00	1.51E-008	3.77E-005	9.00	24.52	0.00	0.00	0.00	60.37	15.00	116.77	1.56	0.30	6.99	178.84	0.00	1.00	1.23	0.00	116.77	7.03	163.60	0.58	18.52	N/A	N/A	N/A	N/A
443	4.43	1.82	99.00	3.00	1.50E-008	3.72E-005	9.00	24.38	0.00	0.00	0.00	60.09	15.00	116.12	1.55	0.30	6.93	178.49	0.00	1.00	1.23	0.00	116.12	7.05	162.76	0.58	18.50	N/A	N/A	N/A	N/A
444	4.44	1.82	98.97	3.00	1.49E-008	3.70E-005	9.00	24.39	0.00	0.00	0.00	60.14	15.00	116.13	1.54	0.30	6.91	178.57	0.00	1.00	1.23	0.00	116.13	7.05	162.59	0.58	18.50	N/A	N/A	N/A	N/A
445	4.45	1.83	96.83	3.00	1.59E-008	3.97E-005	9.00	24.53	0.00	0.00	0.00	59.74	15.00	116.82	1.55	0.30	6.93	178.08	0.00	1.00	1.27	0.00	116.82	6.92	160.01	0.58	18.48	N/A	N/A	N/A	N/A
446	4.46	1.84	96.04	3.00	1.64E-008	4.14E-005	9.00	24.68	0.00	0.00	0.00	59.68	15.00	117.51	1.55	0.30	6.95	178.02	0.00	1.00	1.28	0.00	117.51	6.85	158.82	0.58	18.47	N/A	N/A	N/A	N/A
447	4.47	1.83	95.25	3.00	1.62E-008	4.06E-005	9.00	24.54	0.00	0.00	0.00	59.43	15.00	116.84	1.54	0.30	6.90	177.72	0.00	1.00	1.29	0.00	116.84	6.88	158.14	0.58	18.46	N/A	N/A	N/A	N/A
448	4.48	1.81	94.72	3.00	1.56E-008	3.86E-005	9.00	24.27	0.00	0.00	0.00	59.17	15.00	115.57	1.52	0.30	6.81	177.38	0.00	1.00	1.28	0.00	115.57	6.96	157.96	0.58	18.45	N/A	N/A	N/A	N/A
449	4.49	1.80	94.56	3.00	1.52E-008	3.74E-005	9.00	24.12	0.00	0.00	0.00	59.09	15.00	114.86	1.51	0.30	6.76	177.27	0.00	1.00	1.28	0.00	114.86	7.01	157.93	0.58	18.45	N/A	N/A	N/A	N/A
450	4.50	1.79	92.79	3.00	1.53E-008	3.72E-005	9.00	23.95	0.00	0.00	0.00	58.56	15.00	114.06	1.49	0.30	6.69	176.59	0.00	1.00	1.29	0.00	114.06	7.01	156.29	0.58	18.42	N/A	N/A	N/A	N/A
451	4.51	1.80	91.34	3.00	1.60E-008	3.93E-005	9.00	24.08	0.00	0.00	0.00	58.31	15.00	114.69	1.50	0.30	6.71	176.29	0.00	1.00	1.32	0.00	114.69	6.91	154.44	0.58	18.41	N/A	N/A	N/A	N/A
452	4.52	1.78	89.26	3.00	1.59E-008	3.86E-005	8.00	23.81	0.00	0.00	0.00	57.62	15.00	113.36	1.48	0.30	6.62	175.39	0.00	1.00	1.33	0.00	113.36	6.92	152.66	0.58	18.38	N/A	N/A	N/A	N/A
453	4.53	1.78	88.06	3.00	1.62E-008	3.94E-005	8.00	23.80	0.00	0.00	0.00	57.35	15.00	113.35	1.47	0.30	6.60	175.05	0.00	1.00	1.35	0.00	113.35	6.88	151.29	0.58	18.36	N/A	N/A	N/A	N/A
454	4.54	1.78	86.17	3.00	1.69E-008	4.09E-005	8.00	23.80	0.00	0.00	0.00	56.88	15.00	113.35	1.47	0.30	6.58	174.45	0.00	1.00	1.38	0.00	113.35	6.80	149.19	0.58	18.33	N/A	N/A	N/A	N/A
455	4.55	1.79	86.04	3.00	1.72E-008	4.21E-005	8.00	23.94	0.00	0.00	0.00	56.98	15.00	114.00	1.47	0.30	6.60	174.61	0.00	1.00	1.39	0.00	114.00	6.76	148.70	0.58	18.33	N/A	N/A	N/A	N/A
456	4.56	1.81	85.89	3.00	1.80E-008	4.45E-005	9.00	24.21	0.00	0.00	0.00	57.16	15.00	115.30	1.49	0.30	6.66	174.88	0.00	1.00	1.41	0.00	115.30	6.67	147.95	0.58	18.34	N/A	N/A	N/A	N/A
457	4.57	1.82	85.60	3.00	1.85E-008	4.59E-005	9.00	24.35	0.00	0.00	0.00	57.22	15.00	115.95	1.49	0.30	6.68	174.97	0.00	1.00	1.42	0.00	115.95	6.62	147.30	0.58	18.34	N/A	N/A	N/A	N/A
458	4.58	1.83	84.88	3.00	1.92E-008	4.78E-005	9.00	24.49	0.00	0.00	0.00	57.16	15.00	116.60	1.50	0.30	6.69	174.91	0.00	1.00	1.44	0.00	116.60	6.55	146.20	0.58	18.33	N/A	N/A	N/A	N/A
459	4.59	1.84	82.36	3.00	2.07E-008	5.20E-005	9.00	24.62	0.00	0.00	0.00	56.58	15.00	117.26	1.50	0.30	6.71	174.17	0.00	1.00	1.49	0.00	117.26	6.40	143.19	0.58	18.30	N/A	N/A	N/A	N/A
460	4.60	1.85	81.76	3.00	2.14E-008	5.40E-005	9.00	24.77	0.00	0.00	0.00	56.54	15.00	117.94	1.51	0.30	6.73	174.15	0.00	1.00	1.51	0.00	117.94	6.34	142.20	0.58	18.29	N/A	N/A	N/A	N/A
461	4.61	1.87	78.32	3.00	2.43E-008	6.20E-005	9.00	25.05	0.00	0.00	0.00	55.76	15.00	119.27	1.52	0.30	6.78	173.15	0.00	1.00	1.60	0.00	119.27	6.10	137.94	0.58	18.24	N/A	N/A	N/A	N/A
462	4.62	1.86	73.94	3.00	2.64E-008	6.70E-005	8.00	24.91	0.00	0.00	0.00	54.41	15.00	118.61	1.51	0.30	6.72	171.37	0.00	1.00	1.68	0.00	118.61	5.95	133.30	0.58	18.18	N/A	N/A	N/A	N/A

GeoDeep
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	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
463	4.63	1.86	71.54	3.00	2.80E-008	7.10E-005	8.00	24.91	0.00	0.00	0.00	53.72	15.00	118.60	1.51	0.30	6.70	170.46	0.00	1.00	1.74	0.00	118.60	5.85	130.56	0.58	18.14	N/A	N/A	N/A	N/A
464	4.64	1.87	68.92	3.00	3.06E-008	7.81E-005	8.00	25.04	0.00	0.00	0.00	53.03	15.00	119.26	1.51	0.30	6.71	169.55	0.00	1.00	1.82	0.00	119.26	5.69	127.31	0.58	18.10	N/A	N/A	N/A	N/A
465	4.65	1.89	65.05	4.00	3.56E-008	9.18E-005	8.00	25.32	0.00	0.00	0.00	52.00	15.00	120.58	1.52	0.30	6.76	168.18	0.00	1.00	1.95	0.00	120.58	5.43	122.37	0.58	18.03	N/A	N/A	N/A	N/A
466	4.66	1.89	63.66	4.00	3.69E-008	9.52E-005	8.00	25.32	0.00	0.00	0.00	51.58	15.00	120.57	1.52	0.30	6.74	167.63	0.00	1.00	1.99	0.00	120.57	5.37	120.70	0.58	18.01	N/A	N/A	N/A	N/A
467	4.67	1.89	62.27	4.00	3.82E-008	9.87E-005	8.00	25.32	0.00	0.00	0.00	51.17	15.00	120.56	1.52	0.30	6.72	167.07	0.00	1.00	2.03	0.00	120.56	5.31	119.02	0.58	17.98	N/A	N/A	N/A	N/A
468	4.68	1.90	60.29	4.00	4.14E-008	1.07E-004	8.00	25.46	0.00	0.00	0.00	50.62	15.00	121.22	1.52	0.30	6.74	166.34	0.00	1.00	2.11	0.00	121.22	5.18	116.42	0.58	17.95	N/A	N/A	N/A	N/A
469	4.69	1.91	60.03	4.00	4.24E-008	1.11E-004	8.00	25.59	0.00	0.00	0.00	50.65	15.00	121.87	1.53	0.30	6.76	166.40	0.00	1.00	2.13	0.00	121.87	5.14	115.83	0.58	17.95	N/A	N/A	N/A	N/A
470	4.70	1.91	59.62	4.00	4.28E-008	1.12E-004	8.00	25.59	0.00	0.00	0.00	50.56	15.00	121.86	1.52	0.30	6.74	166.28	0.00	1.00	2.15	0.00	121.86	5.13	115.29	0.58	17.94	N/A	N/A	N/A	N/A
471	4.71	1.91	58.74	4.00	4.38E-008	1.14E-004	8.00	25.59	0.00	0.00	0.00	50.30	15.00	121.85	1.52	0.30	6.73	165.93	0.00	1.00	2.18	0.00	121.85	5.09	114.20	0.58	17.92	N/A	N/A	N/A	N/A
472	4.72	1.90	58.61	4.00	4.27E-008	1.11E-004	8.00	25.45	0.00	0.00	0.00	50.22	15.00	121.17	1.51	0.30	6.68	165.82	0.00	1.00	2.17	0.00	121.17	5.13	114.21	0.58	17.92	N/A	N/A	N/A	N/A
473	4.73	1.90	58.20	4.00	4.31E-008	1.12E-004	8.00	25.44	0.00	0.00	0.00	50.12	15.00	121.16	1.50	0.30	6.66	165.69	0.00	1.00	2.19	0.00	121.16	5.12	113.67	0.58	17.91	N/A	N/A	N/A	N/A
474	4.74	1.87	55.62	4.00	4.35E-008	1.11E-004	8.00	25.02	0.00	0.00	0.00	49.04	15.00	119.15	1.48	0.30	6.54	164.16	0.00	1.00	2.25	0.00	119.15	5.10	111.19	0.58	17.85	N/A	N/A	N/A	N/A
475	4.75	1.87	54.74	4.00	4.46E-008	1.14E-004	8.00	25.02	0.00	0.00	0.00	48.77	15.00	119.14	1.47	0.30	6.52	163.79	0.00	1.00	2.29	0.00	119.14	5.06	110.08	0.58	17.83	N/A	N/A	N/A	N/A
476	4.76	1.87	53.76	4.00	4.58E-008	1.17E-004	8.00	25.02	0.00	0.00	0.00	48.46	15.00	119.12	1.47	0.30	6.51	163.37	0.00	1.00	2.33	0.00	119.12	5.02	108.84	0.58	17.81	N/A	N/A	N/A	N/A
477	4.77	1.85	53.19	4.00	4.44E-008	1.12E-004	8.00	24.73	0.00	0.00	0.00	48.15	15.00	117.78	1.45	0.30	6.42	162.92	0.00	1.00	2.33	0.00	117.78	5.07	108.53	0.58	17.79	N/A	N/A	N/A	N/A
478	4.78	1.83	53.57	4.00	4.16E-008	1.04E-004	8.00	24.45	0.00	0.00	0.00	48.17	15.00	116.43	1.43	0.30	6.34	162.95	0.00	1.00	2.28	0.00	116.43	5.17	109.37	0.58	17.80	N/A	N/A	N/A	N/A
479	4.79	1.83	54.33	4.00	4.03E-008	1.00E-004	8.00	24.45	0.00	0.00	0.00	48.48	15.00	116.42	1.43	0.30	6.33	163.40	0.00	1.00	2.25	0.00	116.42	5.23	110.24	0.58	17.81	N/A	N/A	N/A	N/A
480	4.80	1.82	54.55	4.00	3.89E-008	9.63E-005	8.00	24.31	0.00	0.00	0.00	48.53	15.00	115.74	1.41	0.30	6.28	163.46	0.00	1.00	2.23	0.00	115.74	5.29	110.67	0.58	17.82	N/A	N/A	N/A	N/A
481	4.81	1.82	54.39	4.00	3.89E-008	9.63E-005	8.00	24.30	0.00	0.00	0.00	48.51	15.00	115.73	1.41	0.30	6.27	163.45	0.00	1.00	2.23	0.00	115.73	5.28	110.43	0.58	17.81	N/A	N/A	N/A	N/A
482	4.82	1.84	53.70	4.00	4.15E-008	1.04E-004	8.00	24.58	0.00	0.00	0.00	48.45	15.00	117.05	1.42	0.30	6.32	163.40	0.00	1.00	2.29	0.00	117.05	5.18	109.11	0.58	17.80	N/A	N/A	N/A	N/A
483	4.83	1.86	52.47	4.00	4.52E-008	1.15E-004	8.00	24.86	0.00	0.00	0.00	48.19	15.00	118.38	1.44	0.30	6.38	163.06	0.00	1.00	2.37	0.00	118.38	5.04	107.14	0.58	17.78	N/A	N/A	N/A	N/A
484	4.84	1.89	50.70	4.00	5.13E-008	1.32E-004	8.00	25.28	0.00	0.00	0.00	47.80	15.00	120.36	1.46	0.30	6.46	162.54	0.00	1.00	2.49	0.00	120.36	4.84	104.30	0.58	17.75	N/A	N/A	N/A	N/A
485	4.85	1.93	49.31	4.00	5.89E-008	1.55E-004	8.00	25.83	0.00	0.00	0.00	47.60	15.00	123.02	1.49	0.30	6.58	162.31	0.00	1.00	2.62	0.00	123.02	4.64	101.72	0.58	17.72	N/A	N/A	N/A	N/A
486	4.86	1.99	46.22	4.00	7.52E-008	2.04E-004	8.00	26.67	0.00	0.00	0.00	46.85	15.00	127.01	1.53	0.30	6.76	161.31	0.00	1.00	2.89	0.00	127.01	4.29	96.65	0.58	17.66	N/A	N/A	N/A	N/A
487	4.87	2.01	45.84	4.00	7.93E-008	2.18E-004	8.00	26.95	0.00	0.00	0.00	46.87	15.00	128.33	1.54	0.30	6.82	161.37	0.00	1.00	2.94	0.00	128.33	4.21	95.75	0.58	17.66	N/A	N/A	N/A	N/A
488	4.88	2.10	45.69	4.00	9.59E-008	2.76E-004	8.00	28.21	0.00	0.00	0.00	47.42	15.00	134.32	1.61	0.30	7.11	162.27	0.00	1.00	3.09	0.00	134.32	3.96	93.84	0.58	17.67	N/A	N/A	N/A	N/A
489	4.89	2.13	45.75	4.00	1.01E-007	2.95E-004	9.00	28.62	0.00	0.00	0.00	47.68	15.00	136.31	1.63	0.30	7.19	162.67	0.00	1.00	3.13	0.00	136.31	3.89	93.33	0.58	17.68	N/A	N/A	N/A	N/A
490	4.90	2.14	46.22	4.00	1.01E-007	2.96E-004	9.00	28.76	0.00	0.00	0.00	47.97	15.00	136.96	1.64	0.30	7.21	163.10	0.00	1.00	3.11	0.00	136.96	3.90	93.69	0.58	17.69	N/A	N/A	N/A	N/A
491	4.91	2.14	46.22	4.00	1.01E-007	2.95E-004	9.00	28.76	0.00	0.00	0.00	48.00	15.00	136.95	1.63	0.30	7.20	163.16	0.00	1.00	3.11	0.00	136.95	3.90	93.65	0.58	17.69	N/A	N/A	N/A	N/A
492	4.92	2.14	46.22	4.00	1.00E-007	2.93E-004	9.00	28.76	0.00	0.00	0.00	48.04	15.00	136.94	1.63	0.30	7.19	163.22	0.00	1.00	3.11	0.00	136.94	3.91	93.62	0.58	17.69	N/A	N/A	N/A	N/A
493	4.93	2.08	44.52	4.00	9.41E-008	2.68E-004	8.00	27.92	0.00	0.00	0.00	47.01	15.00	132.93	1.58	0.30	6.97	161.71	0.00	1.00	3.14	0.00	132.93	3.99	92.60	0.58	17.63	N/A	N/A	N/A	N/A
494	4.94	2.05	45.15	4.00	8.58E-008	2.40E-004	8.00	27.49	0.00	0.00	0.00	47.11	15.00	130.92	1.55	0.30	6.86	161.83	0.00	1.00	3.04	0.00	130.92	4.11	93.90	0.58	17.65	N/A	N/A	N/A	N/A
495	4.95	2.03	48.46	4.00	7.21E-008	2.00E-004	8.00	27.21	0.00	0.00	0.00	48.33	15.00	129.57	1.53	0.30	6.79	163.56	0.00	1.00	2.81	0.00	129.57	4.35	98.31	0.58	17.72	N/A	N/A	N/A	N/A
496	4.96	2.03	50.38	4.00	6.68E-008	1.85E-004	8.00	27.21	0.00	0.00	0.00	49.11	15.00	129.56	1.53	0.30	6.78	164.66	0.00	1.00	2.70	0.00	129.56	4.45	100.58	0.58	17.77	N/A	N/A	N/A	N/A
497	4.97	2.02	55.15	4.00	5.52E-008	1.52E-004	9.00	27.07	0.00	0.00	0.00	50.87	15.00	128.88	1.52	0.30	6.74	167.11	0.00	1.00	2.45	0.00	128.88	4.73	106.37	0.58	17.87	N/A	N/A	N/A	N/A
498	4.98	2.01	57.20	4.00	5.02E-008	1.38E-004	9.00	26.92	0.00	0.00	0.00	51.58	15.00	128.20	1.51	0.30	6.70	168.09	0.00	1.00	2.35	0.00	128.20	4.88	108.90	0.58	17.91	N/A	N/A	N/A	N/A
499	4.99	2.01	58.71	4.00	4.76E-008	1.31E-004	9.00	26.92	0.00	0.00	0.00	52.17	15.00	128.19	1.50	0.30	6.69	168.89	0.00	1.00	2.29	0.00	128.19	4.96	110.57	0.58	17.94	N/A	N/A	N/A	N/A
500	5.00	2.01	59.21	4.00	4.66E-008	1.28E-004	9.00	26.92	0.00	0.00	0.00	52.38	15.00	128.18	1.50	0.30	6.68	169.20	0.00	1.00	2.27	0.00	128.18	4.99	111.09	0.58	17.95	N/A	N/A	N/A	N/A
501	5.01	2.02	59.65	4.00	4.68E-008	1.29E-004	9.00	27.06	0.00	0.00	0.00	52.65	15.00	128.84	1.51	0.30	6.70	169.59	0.00	1.00	2.27	0.00	128.84	4.99	111.33	0.58	17.96	N/A	N/A	N/A	N/A
502	5.02	2.01	58.39	4.00	4.74E-008	1.30E-004	9.00	26.91	0.00	0.00	0.00	52.17	15.00	128.16	1.49	0.30	6.65	168.94	0.00	1.00	2.30	0.00	128.16	4.97	110.06	0.58	17.93	N/A	N/A	N/A	N/A
503	5.03	2.02	58.80	4.00	4.76E-008	1.31E-004	9.00	27.05	0.00	0.00	0.00	52.43	15.00	128.81	1.50	0.30	6.67	169.31	0.00	1.00	2.30	0.00	128.81	4.96	110.27	0.58	17.94	N/A	N/A	N/A	N/A
504	5.04	2.03	58.93	4.00	4.82E-008	1.34E-004	9.00	27.19	0.00	0.00	0.00	52.59	15.00	129.47	1.50	0.30	6.69	169.55	0.00	1.00	2.31	0.00	129.47	4.94	110.17	0.58	17.95	N/A	N/A	N/A	N/A
505	5.05	2.02	58.65	4.00	4.73E-008	1.31E-004	9.00	27.05	0.00	0.00	0.00	52.46	15.00	128.79	1.49	0.30	6.64	169.37	0.00	1.00	2.31	0.00	128.79	4.97	110.01	0.58	17.94	N/A	N/A	N/A	N/A
506	5.06	2.02	58.17	4.00	4.78E-008	1.32E-004	9.00	27.04	0.00	0.00	0.00	52.33	15.00	128.78	1.49	0.30	6.63	169.20	0.00	1.00	2.32	0.00	128.78	4.95	109.42	0.58	17.93	N/A	N/A	N/A	N/A
507	5.07	1.99	56.50	4.00	4.71E-008	1.28E-004	9.00	26.62	0.00	0.00	0.00	51.55	15.00	126.77	1.46	0.30	6.51	168.12	0.00	1.00	2.36	0.00	126.77	4.98	108.07	0.58	17.89	N/A	N/A	N/A	N/A
508	5.08	1.99	54.74	4.00	4.97E-008	1.35E-004	9.00	26.62	0.00	0.00	0.00	50.95	15.00	126.75	1.46	0.30	6.50	167.30	0.00	1.00	2.43	0.00	126.75	4.89	106.00	0.58	17.86	N/A	N/A	N/A	N/A
509	5.09	1.98	53.03	4.00	5.13E-008	1.38E-004	8.00	26.48	0.00	0.00	0.00	50.28	15.00	126.08	1.45	0.30	6.45	166.38	0.00	1.00	2.50	0.00	126.08	4.85	104.16	0.58	17.82	N/A	N/A	N/A	N/A
510	5.10	1.94	50.10	4.00	5.17E-008	1.37E-004	8.00	25.91	0.00	0.00	0.00	48.92	15.00	123.40	1.42	0.30	6.30	164.46	0.00	1.00	2.59	0.00	123.40	4.83	101.45	0.58	17.74	N/A	N/A	N/A	N/A
511	5.11	1.93	49.16	4.00	5.21E-008	1.37E-004	8.00	25.77	0.00	0.00	0.00	48.53	15.00	122.72	1.41	0.30	6.25	163.91	0.00	1.00	2.62	0.00	122.72	4.82	100.47	0.58	17.72	N/A	N/A	N/A	N/A
512	5.12	1.88	46.00	4.00	5.21E-008	1.33E-004	8.00	25.07	0.00	0.00	0.00	46.98	15.00	119.37	1.36	0.30	6.07	161.66	0.00	1.00	2.72	0.00	119.37	4.82	97.56	0.58	17.63	N/A	N/A	N/A	N/A
513	5.13	1.86	44.77	4.00	5.19E-008	1.31E-004	8.00	24.79	0.00	0.00	0.00	46.38	15.00	118.03	1.35	0.30	5.99	160.79	0.00	1.00	2.77	0.00	118.03	4.83	96.38	0.58	17.60	N/A	N/A	N/A	N/A
514	5.14	1.85	43.98	4.00	5.21E-008	1.31E-004	8.00	24.64	0.00	0.00	0.00	46.03	15.00	117.35	1.34	0.30	5.95	160.28	0.00	1.00	2.80	0.00	117.35	4.82	95.55	0.58	17.58	N/A	N/A	N/A	N/A
515	5.15	1.83	42.72	4.00	5.21E-008	1.29E-004	8.00	24.36	0.00	0.00	0.00	45.41	15.00	116.00	1.32	0.30	5.87	159.37	0.00	1.00	2.85	0.00	116.00	4.82	94.30	0.58	17.54	N/A	N/A	N/A	N/A
516	5.16	1.82	41.81	4.00	5.25E-008	1.30E-004	8.00	24.22	0.00	0.00	0.00	45.00	15.00	115.33	1.31	0.30	5.82	158.77	0.00	1.00	2.90	0.00	115.33	4.81	93.30	0.58	17.51	N/A	N/A	N/A	N/A
517	5.17	1.81	40.86	4.00	5.32E-008	1.30E-004	8.00	24.08	0.00	0.00	0.00	44.57	15.00	114.65	1.30	0.30	5.78	158.14	0.00	1.00	2.95	0.00	114.65	4.79	92.24	0.58	17.48	N/A	N/A	N/A	N/A
518	5.18	1.79	37.99	4.00	5.72E-008	1.39E-004	8.00	23.79	0.00	0.00	0.00	43.24	15.00	113.30	1.28	0.30	5.70	156.16	0.00	1.00	3.13	0.00	113.30	4.68	88.83	0.58	17.39	N/A	N/A	N/A	N/A
519	5.19	1.79	36.70	4.00	6.05E-008	1.47E-004	8.00	23.79	0.00	0.00	0.00	42.71	15.00	113.29	1.28	0.30	5.68	155.38	0.00	1.00	3.24	0.00	113.29	4.60	87.09	0.58	17.36	N/A	N/A	N/A	N/A
520	5.20	1.80	34.87	4.00	6.73E-008	1.64E-004	8.00	23.93	0.00	0.00	0.00	41.99	15.00	113.95	1.28	0.30	5.70	154.32	0.00	1.00	3.43	0.00	113.95	4.44	84.41	0.58	17.30	N/A	N/A	N/A	N/A
521	5.21	1.83	34.27	4.00	7.42E-008	1.84E-004	8.00	24.35	0.00	0.00	0.00	41.95	15.00	115.94	1.30	0.30	5.79	154.29	0.00	1.00	3.55	0.00	115.94	4.31	83.04	0.58	17.28	N/A	N/A	N/A	N/A
522	5.22	1.87	33.39	4.00	8.49E-008	2.15E-004	8.00	24.90	0.00	0.00	0.00	41.83	15.00	118.59	1.33	0.30	5.90	154.17	0.00	1.00	3.73	0.00	118.59	4.12	81.12	0.58	17.26	N/A	N/A	N/A	N/A
523	5.23	1.89	33.61	4.00	8.75E-008	2.25E-004	8.00	25.18	0.00	0.00	0.00	42.09	15.00	119.91	1.34	0.30	5.96	154.60	0.00	1.00	3.75	0.00	119.91	4.08	81.05	0.58	17.27	N/A	N/A	N/A	N/A
524	5.24	1.94	33.48	4.00	9.83E-008	2.59E-004	8.00	25.88	0.00	0.00	0.00	42.37	15.00	123.24	1.38	0.30	6.11	155.09	0.00	1.00	3.86	0.00	123.24	3.93	80.01	0.58	17.28	N/A	N/A	N/A	N/A
525	5.25	1.95	33.04	4.00	1.02E-007	2.71E-004	8.00	26.02	0.00	0.00	0.00	42.25	15.00	123.89	1.38	0.30	6.13	154.94	0.00	1.00	3.94	0.00	123.89	3.88	79.23	0.55	17.27	N/A	N/A	N/A	N/A
526	5.26	1.97	32.73	4.00	1.08E-007	2.90E-004	8.00	26.29	0.00	0.00	0.00	42.26	15.00	125.21	1.39	0.30	6.18	154.98	0.00	1.00	4.02	0.00	125.21	3.81	78.47	0.51	17.26	N/A	N/A	N/A	N/A
527	5.27	1.99	31.85	4.00	1.18E-007	3.19E-004	8.00	26.57	0.00	0.00	0.00	41.99	15.00	126.54	1.40	0.30	6.23	154.60	0.00	1.00	4.17	0.00	126.54	3.70	76.95	0.45	17.23	N/A	N/A	N/A	N/A
528	5.28	1.99	31.31	4.00	1.21E-007	3.27E-004	8.00	26.57	0.00	0.00	0.00	41.75	15.00	126.52	1.40	0.30	6.22	154.26	0.00	1.00	4.24	0.00	126.52	3.68	76.20	0.43	17.21	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
529	5.29	1.98	31.34	4.00	1.17E-007	3.16E-004	8.00	26.43	0.00	0.00	0.00	41.74	15.00	125.85	1.39	0.30	6.18	154.24	0.00	1.00	4.22	0.00	125.85	3.71	76.38	0.43	17.21	N/A	N/A	N/A	N/A
530	5.30	1.99	31.85	4.00	1.16E-007	3.15E-004	8.00	26.57	0.00	0.00	0.00	42.08	15.00	126.50	1.40	0.30	6.20	154.77	0.00	1.00	4.17	0.00	126.50	3.72	76.89	0.45	17.23	N/A	N/A	N/A	N/A
531	5.31	1.99	32.13	4.00	1.14E-007	3.09E-004	8.00	26.56	0.00	0.00	0.00	42.25	15.00	126.49	1.39	0.30	6.19	155.03	0.00	1.00	4.13	0.00	126.49	3.74	77.25	0.46	17.24	N/A	N/A	N/A	N/A
532	5.32	1.99	32.48	4.00	1.11E-007	3.02E-004	8.00	26.56	0.00	0.00	0.00	42.45	15.00	126.48	1.39	0.30	6.18	155.34	0.00	1.00	4.09	0.00	126.48	3.77	77.70	0.48	17.26	N/A	N/A	N/A	N/A
533	5.33	1.99	32.70	4.00	1.10E-007	2.97E-004	8.00	26.56	0.00	0.00	0.00	42.58	15.00	126.47	1.39	0.30	6.17	155.56	0.00	1.00	4.06	0.00	126.47	3.79	77.97	0.49	17.26	N/A	N/A	N/A	N/A
534	5.34	1.98	33.04	4.00	1.05E-007	2.83E-004	8.00	26.42	0.00	0.00	0.00	42.72	15.00	125.79	1.38	0.30	6.13	155.76	0.00	1.00	4.00	0.00	125.79	3.85	78.56	0.52	17.27	N/A	N/A	N/A	N/A
535	5.35	1.98	33.36	4.00	1.03E-007	2.77E-004	8.00	26.41	0.00	0.00	0.00	42.90	15.00	125.78	1.37	0.30	6.12	156.05	0.00	1.00	3.96	0.00	125.78	3.87	78.97	0.54	17.28	N/A	N/A	N/A	N/A
536	5.36	1.98	33.83	4.00	9.99E-008	2.69E-004	8.00	26.41	0.00	0.00	0.00	43.16	15.00	125.77	1.37	0.30	6.11	156.44	0.00	1.00	3.90	0.00	125.77	3.91	79.57	0.56	17.30	N/A	N/A	N/A	N/A
537	5.37	1.98	34.37	4.00	9.69E-008	2.61E-004	8.00	26.41	0.00	0.00	0.00	43.44	15.00	125.76	1.37	0.30	6.10	156.87	0.00	1.00	3.84	0.00	125.76	3.95	80.26	0.58	17.32	N/A	N/A	N/A	N/A
538	5.38	1.98	34.78	4.00	9.45E-008	2.54E-004	8.00	26.41	0.00	0.00	0.00	43.67	15.00	125.74	1.37	0.30	6.09	157.22	0.00	1.00	3.80	0.00	125.74	3.98	80.77	0.58	17.33	N/A	N/A	N/A	N/A
539	5.39	1.97	35.16	4.00	9.03E-008	2.42E-004	8.00	26.26	0.00	0.00	0.00	43.82	15.00	125.07	1.36	0.30	6.05	157.43	0.00	1.00	3.73	0.00	125.07	4.04	81.41	0.58	17.34	N/A	N/A	N/A	N/A
540	5.40	1.94	37.17	4.00	7.64E-008	2.01E-004	8.00	25.84	0.00	0.00	0.00	44.58	15.00	123.05	1.33	0.30	5.94	158.54	0.00	1.00	3.48	0.00	123.05	4.26	84.49	0.58	17.40	N/A	N/A	N/A	N/A
541	5.41	1.94	38.69	4.00	7.10E-008	1.87E-004	8.00	25.84	0.00	0.00	0.00	45.30	15.00	123.04	1.33	0.30	5.93	159.60	0.00	1.00	3.34	0.00	123.04	4.37	86.41	0.58	17.45	N/A	N/A	N/A	N/A
542	5.42	1.91	43.23	4.00	5.43E-008	1.41E-004	8.00	25.42	0.00	0.00	0.00	47.10	15.00	121.03	1.31	0.30	5.84	162.18	0.00	1.00	2.94	0.00	121.03	4.76	92.56	0.58	17.57	N/A	N/A	N/A	N/A
543	5.43	1.90	45.40	4.00	4.84E-008	1.25E-004	8.00	25.27	0.00	0.00	0.00	47.97	15.00	120.35	1.30	0.30	5.80	163.42	0.00	1.00	2.78	0.00	120.35	4.94	95.34	0.58	17.62	N/A	N/A	N/A	N/A
544	5.44	1.88	47.39	4.00	4.25E-008	1.08E-004	8.00	24.99	0.00	0.00	0.00	48.68	15.00	119.01	1.28	0.30	5.72	164.40	0.00	1.00	2.64	0.00	119.01	5.14	98.05	0.58	17.67	N/A	N/A	N/A	N/A
545	5.45	1.88	52.15	4.00	3.56E-008	9.06E-005	8.00	24.99	0.00	0.00	0.00	50.59	15.00	119.00	1.28	0.30	5.72	167.08	0.00	1.00	2.40	0.00	119.00	5.43	103.54	0.58	17.78	N/A	N/A	N/A	N/A
546	5.46	1.90	54.58	4.00	3.41E-008	8.79E-005	8.00	25.27	0.00	0.00	0.00	51.70	15.00	120.32	1.29	0.30	5.77	168.63	0.00	1.00	2.31	0.00	120.32	5.50	105.87	0.58	17.83	N/A	N/A	N/A	N/A
547	5.47	1.91	57.35	4.00	3.17E-008	8.21E-005	9.00	25.40	0.00	0.00	0.00	52.85	15.00	120.97	1.29	0.30	5.80	170.21	0.00	1.00	2.21	0.00	120.97	5.63	108.71	0.58	17.89	N/A	N/A	N/A	N/A
548	5.48	1.90	58.46	4.00	2.97E-008	7.66E-005	9.00	25.26	0.00	0.00	0.00	53.22	15.00	120.29	1.28	0.30	5.75	170.72	0.00	1.00	2.16	0.00	120.29	5.74	110.06	0.58	17.91	N/A	N/A	N/A	N/A
549	5.49	1.89	60.85	4.00	2.68E-008	6.87E-005	9.00	25.12	0.00	0.00	0.00	54.05	15.00	119.62	1.27	0.30	5.71	171.84	0.00	1.00	2.06	0.00	119.62	5.92	112.78	0.58	17.96	N/A	N/A	N/A	N/A
550	5.50	1.87	62.56	3.00	2.42E-008	6.12E-005	9.00	24.84	0.00	0.00	0.00	54.55	15.00	118.27	1.26	0.30	5.64	172.49	0.00	1.00	1.99	0.00	118.27	6.11	114.92	0.58	17.99	N/A	N/A	N/A	N/A
551	5.51	1.80	63.12	3.00	1.99E-008	4.85E-005	8.00	23.85	0.00	0.00	0.00	54.23	15.00	113.59	1.20	0.30	5.41	172.01	0.00	1.00	1.89	0.00	113.59	6.47	116.78	0.58	17.98	N/A	N/A	N/A	N/A
552	5.52	1.78	63.72	3.00	1.85E-008	4.46E-005	8.00	23.57	0.00	0.00	0.00	54.32	15.00	112.25	1.19	0.30	5.34	172.11	0.00	1.00	1.85	0.00	112.25	6.61	117.72	0.58	17.99	N/A	N/A	N/A	N/A
553	5.53	1.77	63.69	3.00	1.80E-008	4.30E-005	8.00	23.43	0.00	0.00	0.00	54.27	15.00	111.57	1.18	0.30	5.30	172.05	0.00	1.00	1.84	0.00	111.57	6.67	117.82	0.58	17.98	N/A	N/A	N/A	N/A
554	5.54	1.78	63.78	3.00	1.83E-008	4.40E-005	8.00	23.57	0.00	0.00	0.00	54.42	15.00	112.22	1.18	0.30	5.32	172.27	0.00	1.00	1.85	0.00	112.22	6.64	117.66	0.58	17.99	N/A	N/A	N/A	N/A
555	5.55	1.78	63.56	3.00	1.84E-008	4.41E-005	8.00	23.56	0.00	0.00	0.00	54.39	15.00	112.21	1.18	0.30	5.31	172.24	0.00	1.00	1.85	0.00	112.21	6.63	117.37	0.58	17.98	N/A	N/A	N/A	N/A
556	5.56	1.81	63.34	3.00	1.98E-008	4.85E-005	8.00	23.98	0.00	0.00	0.00	54.59	15.00	114.20	1.20	0.30	5.39	172.56	0.00	1.00	1.89	0.00	114.20	6.48	116.52	0.58	17.99	N/A	N/A	N/A	N/A
557	5.57	1.83	63.94	3.00	2.04E-008	5.04E-005	9.00	24.26	0.00	0.00	0.00	55.01	15.00	115.52	1.21	0.30	5.44	173.13	0.00	1.00	1.90	0.00	115.52	6.43	116.71	0.58	18.00	N/A	N/A	N/A	N/A
558	5.58	1.92	66.28	3.00	2.35E-008	6.10E-005	9.00	25.52	0.00	0.00	0.00	56.58	15.00	121.51	1.27	0.30	5.71	175.30	0.00	1.00	1.92	0.00	121.51	6.17	117.39	0.58	18.06	N/A	N/A	N/A	N/A
559	5.59	1.96	66.84	3.00	2.52E-008	6.70E-005	9.00	26.08	0.00	0.00	0.00	57.13	15.00	124.17	1.30	0.30	5.82	176.06	0.00	1.00	1.95	0.00	124.17	6.03	117.16	0.58	18.08	N/A	N/A	N/A	N/A
560	5.60	1.98	67.03	3.00	2.61E-008	7.01E-005	9.00	26.35	0.00	0.00	0.00	57.39	15.00	125.49	1.31	0.30	5.87	176.43	0.00	1.00	1.97	0.00	125.49	5.97	116.92	0.58	18.09	N/A	N/A	N/A	N/A
561	5.61	2.00	66.84	4.00	2.73E-008	7.42E-005	9.00	26.63	0.00	0.00	0.00	57.52	15.00	126.81	1.32	0.30	5.93	176.63	0.00	1.00	1.99	0.00	126.81	5.89	116.31	0.58	18.09	N/A	N/A	N/A	N/A
562	5.62	1.97	63.06	4.00	2.84E-008	7.59E-005	9.00	26.21	0.00	0.00	0.00	55.99	15.00	124.80	1.30	0.30	5.82	174.62	0.00	1.00	2.08	0.00	124.80	5.82	112.92	0.58	18.01	N/A	N/A	N/A	N/A
563	5.63	1.94	61.14	4.00	2.80E-008	7.35E-005	9.00	25.78	0.00	0.00	0.00	55.11	15.00	122.79	1.27	0.30	5.72	173.44	0.00	1.00	2.11	0.00	122.79	5.85	111.41	0.58	17.97	N/A	N/A	N/A	N/A
564	5.64	1.89	59.56	4.00	2.60E-008	6.65E-005	9.00	25.08	0.00	0.00	0.00	54.20	15.00	119.44	1.24	0.30	5.55	172.18	0.00	1.00	2.11	0.00	119.44	5.98	110.61	0.58	17.93	N/A	N/A	N/A	N/A
565	5.65	1.79	57.86	3.00	2.14E-008	5.17E-005	8.00	23.68	0.00	0.00	0.00	52.84	15.00	112.76	1.16	0.30	5.23	170.27	0.00	1.00	2.05	0.00	112.76	6.34	110.56	0.58	17.88	N/A	N/A	N/A	N/A
566	5.66	1.76	58.36	3.00	1.95E-008	4.61E-005	8.00	23.26	0.00	0.00	0.00	52.82	15.00	110.75	1.14	0.30	5.13	170.22	0.00	1.00	1.99	0.00	110.75	6.52	111.59	0.58	17.88	N/A	N/A	N/A	N/A
567	5.67	1.74	60.88	3.00	1.70E-008	3.98E-005	8.00	22.97	0.00	0.00	0.00	53.61	15.00	109.40	1.13	0.30	5.06	171.28	0.00	1.00	1.89	0.00	109.40	6.79	114.56	0.58	17.93	N/A	N/A	N/A	N/A
568	5.68	1.72	62.37	3.00	1.53E-008	3.55E-005	8.00	22.69	0.00	0.00	0.00	54.01	15.00	108.06	1.11	0.30	4.99	171.81	0.00	1.00	1.82	0.00	108.06	7.00	116.42	0.58	17.95	N/A	N/A	N/A	N/A
569	5.69	1.65	63.63	3.00	1.22E-008	2.69E-005	8.00	21.71	0.00	0.00	0.00	53.90	15.00	103.38	1.06	0.30	4.77	171.60	0.00	1.00	1.71	0.00	103.38	7.48	118.89	0.58	17.96	N/A	N/A	N/A	N/A
570	5.70	1.59	64.51	3.00	9.96E-009	2.12E-005	8.00	20.87	0.00	0.00	0.00	53.72	15.00	99.37	1.02	0.30	4.57	171.31	0.00	1.00	1.62	0.00	99.37	7.92	120.75	0.58	17.96	N/A	N/A	N/A	N/A
571	5.71	1.53	65.08	3.00	8.18E-009	1.67E-005	8.00	20.03	0.00	0.00	0.00	53.42	15.00	95.36	0.97	0.30	4.38	170.84	0.00	1.00	1.54	0.00	95.36	8.37	122.27	0.58	17.95	N/A	N/A	N/A	N/A
572	5.72	1.40	67.51	3.00	5.05E-009	8.87E-006	7.00	17.24	0.00	0.00	0.00	53.02	15.00	86.71	0.88	0.30	3.98	170.16	0.00	1.00	1.35	0.00	86.71	9.56	126.71	0.69	17.96	N/A	N/A	N/A	N/A
573	5.73	1.36	69.40	3.00	4.17E-009	6.87E-006	7.00	16.17	0.00	0.00	0.00	53.26	15.00	84.03	0.85	0.30	3.85	170.45	0.00	1.00	1.27	0.00	84.03	10.06	129.08	0.71	17.98	N/A	N/A	N/A	N/A
574	5.74	1.30	69.84	3.00	3.32E-009	4.96E-006	7.00	14.63	0.00	0.00	0.00	52.80	15.00	80.02	0.81	0.30	3.66	169.77	0.00	1.00	1.20	0.00	80.02	10.69	130.29	0.71	17.97	N/A	N/A	N/A	N/A
575	5.75	1.28	70.69	3.00	3.01E-009	4.33E-006	7.00	14.12	0.00	0.00	0.00	52.89	15.00	78.67	0.80	0.30	3.59	169.87	0.00	1.00	1.17	0.00	78.67	10.98	131.30	0.72	17.98	N/A	N/A	N/A	N/A
576	5.76	1.31	73.18	3.00	3.11E-009	4.70E-006	7.00	14.81	0.00	0.00	0.00	54.03	15.00	80.66	0.82	0.30	3.67	171.46	0.00	1.00	1.16	0.00	80.66	10.87	133.14	0.74	18.03	N/A	N/A	N/A	N/A
577	5.77	1.36	73.94	3.00	3.61E-009	5.90E-006	7.00	16.03	0.00	0.00	0.00	54.84	15.00	83.98	0.85	0.30	3.82	172.62	0.00	1.00	1.19	0.00	83.98	10.46	133.04	0.75	18.06	N/A	N/A	N/A	N/A
578	5.78	1.46	75.32	3.00	4.81E-009	9.14E-006	8.00	18.64	0.00	0.00	0.00	56.35	15.00	90.64	0.91	0.30	4.11	174.75	0.00	1.00	1.26	0.00	90.64	9.68	132.75	0.76	18.10	N/A	N/A	N/A	N/A
579	5.79	1.47	76.59	3.00	4.78E-009	9.20E-006	8.00	18.87	0.00	0.00	0.00	56.89	15.00	91.30	0.92	0.30	4.13	175.48	0.00	1.00	1.25	0.00	91.30	9.70	133.68	0.77	18.13	N/A	N/A	N/A	N/A
580	5.80	1.50	77.31	3.00	5.13E-009	1.02E-005	8.00	19.59	0.00	0.00	0.00	57.46	15.00	93.29	0.94	0.30	4.22	176.26	0.00	1.00	1.27	0.00	93.29	9.52	133.80	0.78	18.14	N/A	N/A	N/A	N/A
581	5.81	1.60	75.48	3.00	7.19E-009	1.54E-005	8.00	20.99	0.00	0.00	0.00	57.90	15.00	99.94	1.00	0.30	4.51	176.95	0.00	1.00	1.39	0.00	99.94	8.68	130.43	0.58	18.14	N/A	N/A	N/A	N/A
582	5.82	1.66	72.90	3.00	9.05E-009	2.01E-005	8.00	21.83	0.00	0.00	0.00	57.67	15.00	103.93	1.04	0.30	4.68	176.71	0.00	1.00	1.50	0.00	103.93	8.13	126.93	0.58	18.12	N/A	N/A	N/A	N/A
583	5.83	1.71	69.11	3.00	1.14E-008	2.63E-005	8.00	22.52	0.00	0.00	0.00	56.89	15.00	107.25	1.07	0.30	4.82	175.76	0.00	1.00	1.63	0.00	107.25	7.61	122.37	0.58	18.07	N/A	N/A	N/A	N/A
584	5.84	1.85	62.08	3.00	1.99E-008	4.98E-005	9.00	24.48	0.00	0.00	0.00	55.62	15.00	116.57	1.16	0.30	5.23	174.25	0.00	1.00	1.97	0.00	116.57	6.47	112.87	0.58	17.97	N/A	N/A	N/A	N/A
585	5.85	1.91	58.42	4.00	2.57E-008	6.63E-005	9.00	25.32	0.00	0.00	0.00	54.77	15.00	120.56	1.20	0.30	5.40	173.19	0.00	1.00	2.17	0.00	120.56	6.00	107.99	0.58	17.91	N/A	N/A	N/A	N/A
586	5.86	1.98	55.49	4.00	3.31E-008	8.87E-005	9.00	26.30	0.00	0.00	0.00	54.21	15.00	125.22	1.24	0.30	5.60	172.50	0.00	1.00	2.37	0.00	125.22	5.55	103.64	0.58	17.87	N/A	N/A	N/A	N/A
587	5.87	2.09	51.87	4.00	4.75E-008	1.35E-004	9.00	27.83	0.00	0.00	0.00	53.57	15.00	132.54	1.31	0.30	5.91	171.76	0.00	1.00	2.68	0.00	132.54	4.96	97.83	0.58	17.81	N/A	N/A	N/A	N/A
588	5.88	2.17	51.49	4.00	5.67E-008	1.67E-004	9.00	28.95	0.00	0.00	0.00	53.98	15.00	137.86	1.37	0.30	6.14	172.39	0.00	1.00	2.81	0.00	137.86	4.69	96.06	0.58	17.82	N/A	N/A	N/A	N/A
589	5.89	2.28	51.68	4.00	7.00E-008	2.17E-004	9.00	30.49	0.00	0.00	0.00	54.81	15.00	145.18	1.44	0.30	6.46	173.59	0.00	1.00	2.95	0.00	145.18	4.39	94.45	0.58	17.84	N/A	N/A	N/A	N/A
590	5.90	2.28	52.24	4.00	6.83E-008	2.12E-004	9.00	30.49	0.00	0.00	0.00	55.08	15.00	145.17	1.43	0.30	6.45	173.96	0.00	1.00	2.92	0.00	145.17	4.42	95.02	0.58	17.85	N/A	N/A	N/A	N/A
591	5.91	2.28	52.24	4.00	6.80E-008	2.11E-004	9.00	30.48	0.00	0.00	0.00	55.12	15.00	145.16	1.43	0.30	6.44	174.02	0.00	1.00	2.92	0.00	145.16	4.43	94.99	0.58	17.85	N/A	N/A	N/A	N/A
592	5.92	2.28	52.24	4.00	6.77E-008	2.10E-004	10.00	30.48	0.00	0.00	0.00	55.15	15.00	145.15	1.43	0.30	6.42	174.08	0.00	1.00	2.92	0.00	145.15	4.43	94.96	0.58	17.85	N/A	N/A	N/A	N/A
593	5.93	1.97	47.33	4.00	4.19E-008	1.12E-004	9.00	26.14	0.00	0.00	0.00	51.09	15.00	124.47	1.22	0.30	5.50	168.34	0.00	1.00	2.76	0.00	124.47	5.16	94.61	0.58	17.68	N/A	N/A	N/A	N/A
594	5.94	1.88	46.38	4.00	3.51E-008	8.90E-005	8.00	24.87	0.00	0.00	0.00	50.09	15.00	118.45	1.16	0.30	5.22	166.89	0.00	1.00	2.68	0.00	118.45	5.45	95.00	0.58	17.64	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
595	5.95	1.76	45.84	4.00	2.65E-008	6.26E-005	8.00	23.19	0.00	0.00	0.00	49.03	15.00	110.44	1.08	0.30	4.86	165.30	0.00	1.00	2.53	0.00	110.44	5.94	96.36	0.58	17.60	N/A	N/A	N/A	N/A
596	5.96	1.72	46.51	4.00	2.32E-008	5.34E-005	8.00	22.63	0.00	0.00	0.00	49.05	15.00	107.76	1.05	0.30	4.74	165.29	0.00	1.00	2.43	0.00	107.76	6.19	97.75	0.58	17.61	N/A	N/A	N/A	N/A
597	5.97	1.71	49.60	3.00	2.00E-008	4.58E-005	8.00	22.49	0.00	0.00	0.00	50.27	15.00	107.08	1.04	0.30	4.70	166.99	0.00	1.00	2.27	0.00	107.08	6.47	101.35	0.58	17.68	N/A	N/A	N/A	N/A
598	5.98	1.73	51.84	3.00	1.93E-008	4.48E-005	8.00	22.76	0.00	0.00	0.00	51.35	15.00	108.40	1.05	0.30	4.75	168.51	0.00	1.00	2.20	0.00	108.40	6.53	103.43	0.58	17.74	N/A	N/A	N/A	N/A
599	5.99	1.74	54.67	3.00	1.79E-008	4.18E-005	8.00	22.90	0.00	0.00	0.00	52.57	15.00	109.06	1.06	0.30	4.77	170.20	0.00	1.00	2.09	0.00	109.06	6.68	106.25	0.58	17.80	N/A	N/A	N/A	N/A
600	6.00	1.87	58.96	3.00	2.15E-008	5.41E-005	9.00	24.72	0.00	0.00	0.00	55.26	15.00	117.72	1.14	0.30	5.14	173.95	0.00	1.00	2.10	0.00	117.72	6.33	108.50	0.58	17.92	N/A	N/A	N/A	N/A
601	6.01	1.96	60.03	4.00	2.56E-008	6.77E-005	9.00	25.98	0.00	0.00	0.00	56.39	15.00	123.72	1.20	0.30	5.39	175.53	0.00	1.00	2.16	0.00	123.72	6.01	108.03	0.58	17.96	N/A	N/A	N/A	N/A
602	6.02	2.04	62.08	4.00	2.86E-008	7.90E-005	9.00	27.10	0.00	0.00	0.00	57.80	15.00	129.04	1.25	0.30	5.62	177.44	0.00	1.00	2.18	0.00	129.04	5.81	108.71	0.58	18.01	N/A	N/A	N/A	N/A
603	6.03	2.01	61.17	4.00	2.74E-008	7.45E-005	9.00	26.68	0.00	0.00	0.00	57.28	15.00	127.03	1.23	0.30	5.52	176.74	0.00	1.00	2.18	0.00	127.03	5.88	108.25	0.58	17.99	N/A	N/A	N/A	N/A
604	6.04	1.94	60.25	4.00	2.39E-008	6.26E-005	9.00	25.69	0.00	0.00	0.00	56.45	15.00	122.35	1.18	0.30	5.31	175.61	0.00	1.00	2.13	0.00	122.35	6.13	108.44	0.58	17.96	N/A	N/A	N/A	N/A
605	6.05	1.86	56.75	3.00	2.20E-008	5.51E-005	9.00	24.57	0.00	0.00	0.00	54.54	15.00	117.00	1.12	0.30	5.06	173.03	0.00	1.00	2.16	0.00	117.00	6.29	106.14	0.58	17.87	N/A	N/A	N/A	N/A
606	6.06	1.82	55.52	3.00	2.07E-008	5.06E-005	8.00	24.01	0.00	0.00	0.00	53.80	15.00	114.32	1.10	0.30	4.94	172.00	0.00	1.00	2.16	0.00	114.32	6.41	105.47	0.58	17.84	N/A	N/A	N/A	N/A
607	6.07	1.76	54.80	3.00	1.81E-008	4.27E-005	8.00	23.17	0.00	0.00	0.00	53.09	15.00	110.31	1.06	0.30	4.76	171.00	0.00	1.00	2.11	0.00	110.31	6.66	105.66	0.58	17.81	N/A	N/A	N/A	N/A
608	6.08	1.71	55.97	3.00	1.52E-008	3.48E-005	8.00	22.46	0.00	0.00	0.00	53.17	15.00	106.96	1.02	0.30	4.60	171.08	0.00	1.00	2.01	0.00	106.96	7.01	107.64	0.58	17.82	N/A	N/A	N/A	N/A
609	6.09	1.55	59.50	3.00	8.61E-009	1.75E-005	8.00	19.92	0.00	0.00	0.00	53.13	15.00	96.29	0.92	0.30	4.14	170.86	0.00	1.00	1.70	0.00	96.29	8.25	113.76	0.58	17.86	N/A	N/A	N/A	N/A
610	6.10	1.48	60.95	3.00	6.63E-009	1.22E-005	8.00	18.00	0.00	0.00	0.00	53.04	15.00	91.61	0.87	0.30	3.93	170.65	0.00	1.00	1.58	0.00	91.61	8.87	116.22	0.58	17.87	N/A	N/A	N/A	N/A
611	6.11	1.44	63.31	3.00	5.41E-009	9.34E-006	8.00	16.93	0.00	0.00	0.00	53.51	15.00	88.93	0.85	0.30	3.81	171.25	0.00	1.00	1.47	0.00	88.93	9.38	119.06	0.60	17.90	N/A	N/A	N/A	N/A
612	6.12	1.42	68.10	3.00	4.39E-009	7.34E-006	8.00	16.40	0.00	0.00	0.00	54.97	15.00	87.59	0.83	0.30	3.74	173.19	0.00	1.00	1.35	0.00	87.59	9.92	123.85	0.65	17.98	N/A	N/A	N/A	N/A
613	6.13	1.44	68.48	3.00	4.62E-009	7.94E-006	8.00	16.87	0.00	0.00	0.00	55.34	15.00	88.91	0.84	0.30	3.79	173.72	0.00	1.00	1.36	0.00	88.91	9.79	123.85	0.65	17.99	N/A	N/A	N/A	N/A
614	6.14	1.55	66.37	3.00	6.85E-009	1.38E-005	8.00	19.73	0.00	0.00	0.00	55.75	15.00	96.23	0.91	0.30	4.10	174.40	0.00	1.00	1.52	0.00	96.23	8.79	120.18	0.58	17.98	N/A	N/A	N/A	N/A
615	6.15	1.62	66.72	3.00	8.26E-009	1.78E-005	8.00	21.19	0.00	0.00	0.00	56.56	15.00	100.89	0.95	0.30	4.29	175.56	0.00	1.00	1.59	0.00	100.89	8.35	119.38	0.58	18.00	N/A	N/A	N/A	N/A
616	6.16	1.84	67.44	3.00	1.44E-008	3.56E-005	9.00	24.27	0.00	0.00	0.00	58.79	15.00	115.55	1.09	0.30	4.91	178.67	0.00	1.00	1.80	0.00	115.55	7.12	116.51	0.58	18.07	N/A	N/A	N/A	N/A
617	6.17	1.95	66.50	3.00	1.92E-008	5.04E-005	9.00	25.80	0.00	0.00	0.00	59.38	15.00	122.87	1.16	0.30	5.21	179.53	0.00	1.00	1.94	0.00	122.87	6.55	113.77	0.58	18.07	N/A	N/A	N/A	N/A
618	6.18	2.01	65.39	3.00	2.26E-008	6.14E-005	9.00	26.64	0.00	0.00	0.00	59.47	15.00	126.86	1.19	0.30	5.37	179.72	0.00	1.00	2.04	0.00	126.86	6.23	111.68	0.58	18.06	N/A	N/A	N/A	N/A
619	6.19	2.01	64.73	3.00	2.30E-008	6.23E-005	9.00	26.64	0.00	0.00	0.00	59.27	15.00	126.85	1.19	0.30	5.36	179.47	0.00	1.00	2.06	0.00	126.85	6.21	110.99	0.58	18.05	N/A	N/A	N/A	N/A
620	6.20	1.96	64.86	3.00	2.03E-008	5.37E-005	9.00	25.94	0.00	0.00	0.00	58.98	15.00	123.50	1.16	0.30	5.21	179.06	0.00	1.00	2.00	0.00	123.50	6.44	111.87	0.58	18.05	N/A	N/A	N/A	N/A
621	6.21	1.92	64.95	3.00	1.84E-008	4.75E-005	9.00	25.37	0.00	0.00	0.00	58.74	15.00	120.82	1.13	0.30	5.09	178.73	0.00	1.00	1.95	0.00	120.82	6.63	112.55	0.58	18.04	N/A	N/A	N/A	N/A
622	6.22	1.85	62.30	3.00	1.67E-008	4.15E-005	9.00	24.39	0.00	0.00	0.00	57.25	15.00	116.14	1.08	0.30	4.88	176.75	0.00	1.00	1.96	0.00	116.14	6.82	111.04	0.58	17.98	N/A	N/A	N/A	N/A
623	6.23	1.81	60.73	3.00	1.58E-008	3.83E-005	9.00	23.83	0.00	0.00	0.00	56.38	15.00	113.46	1.06	0.30	4.76	175.59	0.00	1.00	1.96	0.00	113.46	6.94	110.08	0.58	17.94	N/A	N/A	N/A	N/A
624	6.24	1.79	57.76	3.00	1.64E-008	3.94E-005	9.00	23.55	0.00	0.00	0.00	55.13	15.00	112.12	1.04	0.30	4.70	173.93	0.00	1.00	2.04	0.00	112.12	6.86	107.37	0.58	17.88	N/A	N/A	N/A	N/A
625	6.25	1.82	56.41	3.00	1.84E-008	4.50E-005	9.00	23.96	0.00	0.00	0.00	54.88	15.00	114.11	1.06	0.30	4.77	173.64	0.00	1.00	2.12	0.00	114.11	6.63	105.48	0.58	17.86	N/A	N/A	N/A	N/A
626	6.26	1.87	55.84	3.00	2.11E-008	5.32E-005	9.00	24.66	0.00	0.00	0.00	55.08	15.00	117.43	1.09	0.30	4.91	173.96	0.00	1.00	2.21	0.00	117.43	6.36	104.07	0.58	17.85	N/A	N/A	N/A	N/A
627	6.27	1.91	55.37	4.00	2.36E-008	6.05E-005	9.00	25.22	0.00	0.00	0.00	55.23	15.00	120.09	1.11	0.30	5.01	174.21	0.00	1.00	2.28	0.00	120.09	6.16	102.91	0.58	17.85	N/A	N/A	N/A	N/A
628	6.28	1.91	55.87	4.00	2.31E-008	5.93E-005	9.00	25.22	0.00	0.00	0.00	55.47	15.00	120.07	1.11	0.30	5.00	174.54	0.00	1.00	2.26	0.00	120.07	6.20	103.38	0.58	17.86	N/A	N/A	N/A	N/A
629	6.29	1.94	58.46	4.00	2.27E-008	5.92E-005	9.00	25.63	0.00	0.00	0.00	56.76	15.00	122.06	1.13	0.30	5.08	176.26	0.00	1.00	2.19	0.00	122.06	6.23	105.47	0.58	17.92	N/A	N/A	N/A	N/A
630	6.30	1.94	59.81	3.00	2.16E-008	5.65E-005	9.00	25.63	0.00	0.00	0.00	57.32	15.00	122.05	1.12	0.30	5.07	177.00	0.00	1.00	2.14	0.00	122.05	6.32	106.77	0.58	17.95	N/A	N/A	N/A	N/A
631	6.31	1.97	58.71	4.00	2.39E-008	6.34E-005	9.00	26.05	0.00	0.00	0.00	57.16	15.00	124.04	1.14	0.30	5.14	176.83	0.00	1.00	2.22	0.00	124.04	6.13	105.16	0.58	17.93	N/A	N/A	N/A	N/A
632	6.32	1.98	57.38	4.00	2.54E-008	6.78E-005	9.00	26.19	0.00	0.00	0.00	56.75	15.00	124.69	1.15	0.30	5.16	176.31	0.00	1.00	2.28	0.00	124.69	6.02	103.63	0.58	17.91	N/A	N/A	N/A	N/A
633	6.33	2.04	55.74	4.00	3.06E-008	8.43E-005	9.00	27.02	0.00	0.00	0.00	56.56	15.00	128.68	1.18	0.30	5.32	176.13	0.00	1.00	2.42	0.00	128.68	5.69	100.99	0.58	17.89	N/A	N/A	N/A	N/A
634	6.34	2.09	54.80	4.00	3.51E-008	9.91E-005	9.00	27.72	0.00	0.00	0.00	56.57	15.00	132.01	1.21	0.30	5.46	176.19	0.00	1.00	2.53	0.00	132.01	5.46	99.22	0.58	17.88	N/A	N/A	N/A	N/A
635	6.35	2.17	54.55	4.00	4.18E-008	1.23E-004	9.00	28.84	0.00	0.00	0.00	57.05	15.00	137.33	1.26	0.30	5.67	176.89	0.00	1.00	2.64	0.00	137.33	5.17	97.69	0.58	17.89	N/A	N/A	N/A	N/A
636	6.36	2.26	54.58	4.00	4.99E-008	1.53E-004	10.00	30.10	0.00	0.00	0.00	57.69	15.00	143.32	1.31	0.30	5.91	177.81	0.00	1.00	2.76	0.00	143.32	4.89	96.31	0.58	17.90	N/A	N/A	N/A	N/A
637	6.37	2.31	54.86	4.00	5.44E-008	1.71E-004	10.00	30.79	0.00	0.00	0.00	58.17	15.00	146.64	1.34	0.30	6.04	178.47	0.00	1.00	2.81	0.00	146.64	4.76	95.81	0.58	17.92	N/A	N/A	N/A	N/A
638	6.38	2.40	55.52	4.00	6.30E-008	2.06E-004	10.00	32.05	0.00	0.00	0.00	59.06	15.00	152.63	1.39	0.30	6.29	179.69	0.00	1.00	2.89	0.00	152.63	4.54	95.09	0.58	17.94	N/A	N/A	N/A	N/A
639	6.39	2.42	55.56	4.00	6.50E-008	2.14E-004	10.00	32.33	0.00	0.00	0.00	59.24	15.00	153.95	1.40	0.30	6.33	179.94	0.00	1.00	2.91	0.00	153.95	4.49	94.80	0.58	17.95	N/A	N/A	N/A	N/A
640	6.40	2.46	55.30	4.00	7.03E-008	2.36E-004	10.00	32.89	0.00	0.00	0.00	59.41	15.00	156.60	1.42	0.30	6.43	180.20	0.00	1.00	2.97	0.00	156.60	4.38	93.93	0.58	17.95	N/A	N/A	N/A	N/A
641	6.41	2.50	54.23	4.00	7.81E-008	2.66E-004	10.00	33.44	0.00	0.00	0.00	59.24	15.00	159.26	1.44	0.30	6.54	180.01	0.00	1.00	3.08	0.00	159.26	4.24	92.27	0.58	17.93	N/A	N/A	N/A	N/A
642	6.42	2.52	53.06	4.00	8.39E-008	2.88E-004	10.00	33.72	0.00	0.00	0.00	58.89	15.00	160.58	1.45	0.30	6.58	179.59	0.00	1.00	3.18	0.00	160.58	4.14	90.80	0.58	17.91	N/A	N/A	N/A	N/A
643	6.43	2.51	51.58	4.00	8.64E-008	2.96E-004	10.00	33.58	0.00	0.00	0.00	58.21	15.00	159.90	1.44	0.30	6.55	178.73	0.00	1.00	3.26	0.00	159.90	4.10	89.43	0.58	17.88	N/A	N/A	N/A	N/A
644	6.44	2.50	49.50	4.00	9.10E-008	3.10E-004	10.00	33.44	0.00	0.00	0.00	57.26	15.00	159.22	1.43	0.30	6.51	177.51	0.00	1.00	3.38	0.00	159.22	4.03	87.44	0.58	17.83	N/A	N/A	N/A	N/A
645	6.45	2.49	49.09	4.00	9.04E-008	3.07E-004	10.00	33.29	0.00	0.00	0.00	57.06	15.00	158.54	1.43	0.30	6.47	177.25	0.00	1.00	3.39	0.00	158.54	4.04	87.14	0.58	17.82	N/A	N/A	N/A	N/A
646	6.46	2.47	49.38	4.00	8.59E-008	2.89E-004	10.00	33.01	0.00	0.00	0.00	57.11	15.00	157.20	1.41	0.30	6.41	177.31	0.00	1.00	3.34	0.00	157.20	4.11	87.69	0.58	17.82	N/A	N/A	N/A	N/A
647	6.47	2.47	49.31	4.00	8.58E-008	2.89E-004	10.00	33.01	0.00	0.00	0.00	57.11	15.00	157.19	1.41	0.30	6.40	177.32	0.00	1.00	3.35	0.00	157.19	4.11	87.59	0.58	17.82	N/A	N/A	N/A	N/A
648	6.48	2.41	49.56	4.00	7.58E-008	2.48E-004	10.00	32.17	0.00	0.00	0.00	56.91	15.00	153.18	1.37	0.30	6.22	177.02	0.00	1.00	3.25	0.00	153.18	4.28	88.67	0.58	17.81	N/A	N/A	N/A	N/A
649	6.49	2.38	49.66	4.00	7.11E-008	2.30E-004	10.00	31.74	0.00	0.00	0.00	56.81	15.00	151.16	1.35	0.30	6.13	176.88	0.00	1.00	3.20	0.00	151.16	4.37	89.17	0.58	17.81	N/A	N/A	N/A	N/A
650	6.50	2.29	49.34	4.00	6.02E-008	1.87E-004	10.00	30.48	0.00	0.00	0.00	56.15	15.00	145.15	1.30	0.30	5.87	175.96	0.00	1.00	3.09	0.00	145.15	4.61	90.10	0.58	17.79	N/A	N/A	N/A	N/A
651	6.51	2.25	49.56	4.00	5.49E-008	1.67E-004	10.00	29.92	0.00	0.00	0.00	56.03	15.00	142.47	1.27	0.30	5.75	175.78	0.00	1.00	3.02	0.00	142.47	4.74	90.88	0.58	17.79	N/A	N/A	N/A	N/A
652	6.52	2.24	49.91	4.00	5.29E-008	1.61E-004	10.00	29.78	0.00	0.00	0.00	56.16	15.00	141.79	1.26	0.30	5.71	175.95	0.00	1.00	2.98	0.00	141.79	4.80	91.36	0.58	17.79	N/A	N/A	N/A	N/A
653	6.53	2.21	50.20	4.00	4.90E-008	1.47E-004	9.00	29.35	0.00	0.00	0.00	56.13	15.00	139.78	1.24	0.30	5.62	175.90	0.00	1.00	2.92	0.00	139.78	4.91	92.07	0.58	17.80	N/A	N/A	N/A	N/A
654	6.54	2.20	50.70	4.00	4.70E-008	1.40E-004	9.00	29.21	0.00	0.00	0.00	56.32	15.00	139.10	1.23	0.30	5.58	176.15	0.00	1.00	2.88	0.00	139.10	4.98	92.70	0.58	17.81	N/A	N/A	N/A	N/A
655	6.55	2.17	51.61	4.00	4.25E-008	1.25E-004	9.00	28.79	0.00	0.00	0.00	56.56	15.00	137.09	1.21	0.30	5.49	176.44	0.00	1.00	2.79	0.00	137.09	5.14	94.05	0.58	17.82	N/A	N/A	N/A	N/A
656	6.56	2.15	54.67	4.00	3.66E-008	1.06E-004	9.00	28.51	0.00	0.00	0.00	57.77	15.00	135.75	1.20	0.30	5.42	178.01	0.00	1.00	2.61	0.00	135.75	5.39	97.40	0.58	17.88	N/A	N/A	N/A	N/A
657	6.57	2.15	55.52	4.00	3.54E-008	1.03E-004	10.00	28.50	0.00	0.00	0.00	58.16	15.00	135.74	1.20	0.30	5.41	178.52	0.00	1.00	2.57	0.00	135.74	5.44	98.21	0.58	17.90	N/A	N/A	N/A	N/A
658	6.58	2.14	57.76	4.00	3.21E-008	9.27E-005	10.00	28.36	0.00	0.00	0.00	59.06	15.00	135.06	1.19	0.30	5.38	179.68	0.00	1.00	2.46	0.00	135.06	5.61	100.52	0.58	17.95	N/A	N/A	N/A	N/A
659	6.59	2.15	57.16	4.00	3.32E-008	9.66E-005	10.00	28.50	0.00	0.00	0.00	58.92	15.00	135.71	1.19	0.30	5.40	179.52	0.00	1.00	2.49	0.00	135.71	5.55	99.75	0.58	17.94	N/A	N/A	N/A	N/A
660	6.60	2.14	56.41	4.00	3.32E-008	9.60E-005	10.00	28.36	0.00	0.00	0.00	58.58	15.00	135.03	1.19	0.30	5.36	179.08	0.00	1.00	2.51	0.00	135.03	5.55	99.13	0.58	17.92	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
661	6.61	2.03	56.66	4.00	2.58E-008	7.04E-005	9.00	26.81	0.00	0.00	0.00	57.95	15.00	127.69	1.12	0.30	5.05	178.19	0.00	1.00	2.37	0.00	127.69	5.99	100.96	0.58	17.90	N/A	N/A	N/A	N/A
662	6.62	1.94	57.20	3.00	2.05E-008	5.33E-005	9.00	25.55	0.00	0.00	0.00	57.54	15.00	121.67	1.07	0.30	4.80	177.60	0.00	1.00	2.23	0.00	121.67	6.42	102.78	0.58	17.90	N/A	N/A	N/A	N/A
663	6.63	1.87	57.70	3.00	1.69E-008	4.24E-005	9.00	24.57	0.00	0.00	0.00	57.25	15.00	116.99	1.02	0.30	4.60	177.17	0.00	1.00	2.13	0.00	116.99	6.79	104.24	0.58	17.89	N/A	N/A	N/A	N/A
664	6.64	1.73	60.32	3.00	1.09E-008	2.51E-005	9.00	22.61	0.00	0.00	0.00	57.12	15.00	107.65	0.94	0.30	4.23	176.86	0.00	1.00	1.87	0.00	107.65	7.72	108.79	0.58	17.91	N/A	N/A	N/A	N/A
665	6.65	1.71	61.45	3.00	9.94E-009	2.24E-005	9.00	22.16	0.00	0.00	0.00	57.40	15.00	106.30	0.93	0.30	4.17	177.22	0.00	1.00	1.82	0.00	106.30	7.92	110.10	0.58	17.93	N/A	N/A	N/A	N/A
666	6.66	1.73	64.38	3.00	9.57E-009	2.20E-005	9.00	22.60	0.00	0.00	0.00	58.71	15.00	107.63	0.94	0.30	4.21	178.93	0.00	1.00	1.76	0.00	107.63	8.01	112.50	0.58	17.99	N/A	N/A	N/A	N/A
667	6.67	1.73	66.50	3.00	8.96E-009	2.07E-005	9.00	22.60	0.00	0.00	0.00	59.52	15.00	107.62	0.93	0.30	4.21	179.98	0.00	1.00	1.70	0.00	107.62	8.16	114.39	0.58	18.03	N/A	N/A	N/A	N/A
668	6.68	1.66	67.38	3.00	7.21E-009	1.52E-005	9.00	20.68	0.00	0.00	0.00	59.23	15.00	102.94	0.89	0.30	4.02	179.54	0.00	1.00	1.60	0.00	102.94	8.67	116.11	0.58	18.03	N/A	N/A	N/A	N/A
669	6.69	1.60	67.66	3.00	6.01E-009	1.17E-005	8.00	19.07	0.00	0.00	0.00	58.79	15.00	98.93	0.86	0.30	3.86	178.91	0.00	1.00	1.54	0.00	98.93	9.11	117.12	0.59	18.02	N/A	N/A	N/A	N/A
670	6.70	1.49	64.73	3.00	4.68E-009	7.79E-006	8.00	16.32	0.00	0.00	0.00	56.69	15.00	91.58	0.79	0.30	3.56	176.07	0.00	1.00	1.49	0.00	91.58	9.75	115.85	0.56	17.94	N/A	N/A	N/A	N/A
671	6.71	1.42	63.47	3.00	3.87E-009	5.79E-006	8.00	14.67	0.00	0.00	0.00	55.55	15.00	86.90	0.75	0.30	3.38	174.50	0.00	1.00	1.44	0.00	86.90	10.27	115.52	0.55	17.90	N/A	N/A	N/A	N/A
672	6.72	1.35	63.63	3.00	3.03E-009	4.05E-006	8.00	13.11	0.00	0.00	0.00	54.89	15.00	82.22	0.71	0.30	3.19	173.54	0.00	1.00	1.36	0.00	82.22	10.95	116.44	0.55	17.88	N/A	N/A	N/A	N/A
673	6.73	1.23	63.69	3.00	1.94E-009	2.11E-006	7.00	10.66	0.00	0.00	0.00	53.57	15.00	74.21	0.64	0.30	2.87	171.61	0.00	1.00	1.22	0.00	74.21	12.29	117.74	0.55	17.85	N/A	N/A	N/A	N/A
674	6.74	1.17	64.38	3.00	1.50E-009	1.45E-006	7.00	9.53	0.00	0.00	0.00	53.11	15.00	70.20	0.60	0.30	2.71	170.90	0.00	1.00	1.14	0.00	70.20	13.14	118.89	0.55	17.84	N/A	N/A	N/A	N/A
675	6.75	1.01	67.51	3.00	8.27E-010	5.77E-007	6.00	6.84	0.00	0.00	0.00	52.04	15.00	59.52	0.51	0.30	2.30	169.17	0.00	1.00	0.93	0.00	59.52	16.04	122.90	0.58	17.84	N/A	N/A	N/A	N/A
676	6.76	0.98	68.01	3.00	7.68E-010	4.99E-007	6.00	6.38	0.00	0.00	0.00	51.79	15.00	57.51	0.49	0.30	2.22	168.79	0.00	1.00	0.89	0.00	57.51	16.70	123.46	0.58	17.83	N/A	N/A	N/A	N/A
677	6.77	0.98	67.47	3.00	7.72E-010	5.01E-007	6.00	6.36	0.00	0.00	0.00	51.65	15.00	57.50	0.49	0.30	2.21	168.60	0.00	1.00	0.89	0.00	57.50	16.66	122.92	0.58	17.82	N/A	N/A	N/A	N/A
678	6.78	1.01	67.13	3.00	8.27E-010	5.73E-007	6.00	6.80	0.00	0.00	0.00	52.01	15.00	59.49	0.51	0.30	2.29	169.16	0.00	1.00	0.93	0.00	59.49	16.05	122.34	0.57	17.83	N/A	N/A	N/A	N/A
679	6.79	1.06	66.46	3.00	9.24E-010	7.14E-007	7.00	7.57	0.00	0.00	0.00	52.53	15.00	62.82	0.54	0.30	2.41	169.97	0.00	1.00	0.99	0.00	62.82	15.09	121.31	0.57	17.84	N/A	N/A	N/A	N/A
680	6.80	1.21	64.04	3.00	1.73E-009	1.79E-006	7.00	10.16	0.00	0.00	0.00	53.69	15.00	72.83	0.62	0.30	2.79	171.80	0.00	1.00	1.19	0.00	72.83	12.66	117.77	0.55	17.85	N/A	N/A	N/A	N/A
681	6.81	1.27	62.71	3.00	2.25E-009	2.59E-006	7.00	11.29	0.00	0.00	0.00	53.98	15.00	76.82	0.65	0.30	2.94	172.28	0.00	1.00	1.29	0.00	76.82	11.83	115.90	0.53	17.84	N/A	N/A	N/A	N/A
682	6.82	1.31	61.26	3.00	2.71E-009	3.34E-006	7.00	12.06	0.00	0.00	0.00	53.96	15.00	79.47	0.67	0.30	3.04	172.32	0.00	1.00	1.36	0.00	79.47	11.27	114.09	0.52	17.83	N/A	N/A	N/A	N/A
683	6.83	1.41	54.26	3.00	4.77E-009	6.88E-006	8.00	14.15	0.00	0.00	0.00	52.47	15.00	86.13	0.73	0.30	3.29	170.46	0.00	1.00	1.67	0.00	86.13	9.70	106.27	0.46	17.71	N/A	N/A	N/A	N/A
684	6.84	1.44	53.03	3.00	5.46E-009	8.24E-006	8.00	14.79	0.00	0.00	0.00	52.32	15.00	88.12	0.75	0.30	3.36	170.32	0.00	1.00	1.74	0.00	88.12	9.35	104.64	0.45	17.70	N/A	N/A	N/A	N/A
685	6.85	1.43	52.15	3.00	5.43E-009	8.05E-006	8.00	14.54	0.00	0.00	0.00	51.91	15.00	87.44	0.74	0.30	3.33	169.75	0.00	1.00	1.76	0.00	87.44	9.37	103.85	0.44	17.67	N/A	N/A	N/A	N/A
686	6.86	1.39	50.20	3.00	5.08E-009	7.07E-006	7.00	13.64	0.00	0.00	0.00	50.78	15.00	84.76	0.72	0.30	3.22	168.14	0.00	1.00	1.77	0.00	84.76	9.54	102.36	0.42	17.62	N/A	N/A	N/A	N/A
687	6.87	1.34	49.44	3.00	4.39E-009	5.62E-006	7.00	12.57	0.00	0.00	0.00	50.00	15.00	81.41	0.69	0.30	3.09	167.00	0.00	1.00	1.73	0.00	81.41	9.93	102.15	0.42	17.59	N/A	N/A	N/A	N/A
688	6.88	1.23	48.90	3.00	2.98E-009	3.16E-006	7.00	10.38	0.00	0.00	0.00	48.65	15.00	74.06	0.62	0.30	2.80	164.94	0.00	1.00	1.59	0.00	74.06	11.00	102.81	0.41	17.54	N/A	N/A	N/A	N/A
689	6.89	1.19	48.40	3.00	2.59E-009	2.54E-006	7.00	9.63	0.00	0.00	0.00	48.04	15.00	71.38	0.60	0.30	2.70	164.02	0.00	1.00	1.55	0.00	71.38	11.41	102.68	0.41	17.52	N/A	N/A	N/A	N/A
690	6.90	1.15	46.95	3.00	2.32E-009	2.10E-006	7.00	8.91	0.00	0.00	0.00	47.05	15.00	68.71	0.58	0.30	2.59	162.54	0.00	1.00	1.54	0.00	68.71	11.75	101.58	0.39	17.47	N/A	N/A	N/A	N/A
691	6.91	1.15	46.95	3.00	2.31E-009	2.09E-006	7.00	8.89	0.00	0.00	0.00	47.07	15.00	68.69	0.58	0.30	2.59	162.59	0.00	1.00	1.54	0.00	68.69	11.76	101.53	0.39	17.47	N/A	N/A	N/A	N/A
692	6.92	1.15	46.95	3.00	2.30E-009	2.08E-006	7.00	8.88	0.00	0.00	0.00	47.10	15.00	68.68	0.57	0.30	2.59	162.64	0.00	1.00	1.54	0.00	68.68	11.78	101.47	0.39	17.47	N/A	N/A	N/A	N/A
693	6.93	1.35	48.78	3.00	4.57E-009	5.91E-006	7.00	12.68	0.00	0.00	0.00	50.04	15.00	82.15	0.69	0.30	3.09	167.13	0.00	1.00	1.77	0.00	82.15	9.82	101.05	0.41	17.58	N/A	N/A	N/A	N/A
694	6.94	1.38	51.68	3.00	4.54E-009	6.16E-006	7.00	13.29	0.00	0.00	0.00	51.54	15.00	84.16	0.70	0.30	3.16	169.25	0.00	1.00	1.71	0.00	84.16	9.83	103.52	0.43	17.65	N/A	N/A	N/A	N/A
695	6.95	1.45	52.94	3.00	5.45E-009	8.22E-006	8.00	14.78	0.00	0.00	0.00	52.77	15.00	88.82	0.74	0.30	3.33	171.03	0.00	1.00	1.76	0.00	88.82	9.36	103.85	0.44	17.70	N/A	N/A	N/A	N/A
696	6.96	1.64	56.03	3.00	8.64E-009	1.70E-005	8.00	19.27	0.00	0.00	0.00	55.83	15.00	101.50	0.84	0.30	3.80	175.37	0.00	1.00	1.90	0.00	101.50	8.24	104.34	0.58	17.81	N/A	N/A	N/A	N/A
697	6.97	1.75	57.10	3.00	1.12E-008	2.52E-005	9.00	22.12	0.00	0.00	0.00	57.28	15.00	108.83	0.90	0.30	4.07	177.39	0.00	1.00	2.00	0.00	108.83	7.66	103.82	0.58	17.86	N/A	N/A	N/A	N/A
698	6.98	2.13	58.80	4.00	2.60E-008	7.46E-005	10.00	28.17	0.00	0.00	0.00	61.00	15.00	134.15	1.11	0.30	5.02	182.51	0.00	1.00	2.40	0.00	134.15	5.98	100.12	0.58	17.96	N/A	N/A	N/A	N/A
699	6.99	2.34	58.71	4.00	4.00E-008	1.27E-004	10.00	31.11	0.00	0.00	0.00	62.42	15.00	148.14	1.23	0.30	5.56	184.45	0.00	1.00	2.65	0.00	148.14	5.24	97.10	0.58	18.00	N/A	N/A	N/A	N/A
700	7.00	2.62	58.01	4.00	6.83E-008	2.44E-004	11.00	35.03	0.00	0.00	0.00	63.90	15.00	166.80	1.38	0.30	6.29	186.47	0.00	1.00	3.02	0.00	166.80	4.42	92.64	0.58	18.03	N/A	N/A	N/A	N/A
701	7.01	2.73	56.12	4.00	8.72E-008	3.25E-004	11.00	36.56	0.00	0.00	0.00	63.74	15.00	174.12	1.44	0.30	6.57	186.35	0.00	1.00	3.26	0.00	174.12	4.09	89.45	0.58	18.01	N/A	N/A	N/A	N/A
702	7.02	2.82	54.04	4.00	1.08E-007	4.16E-004	11.00	37.82	0.00	0.00	0.00	63.33	15.00	180.11	1.48	0.30	6.80	185.92	0.00	1.00	3.50	0.00	180.11	3.81	86.39	0.58	17.98	N/A	N/A	N/A	N/A
703	7.03	2.92	51.65	4.00	1.37E-007	5.46E-004	11.00	39.22	0.00	0.00	0.00	62.79	15.00	186.76	1.54	0.30	7.06	185.32	0.00	1.00	3.80	0.00	186.76	3.53	82.98	0.58	17.94	N/A	N/A	N/A	N/A
704	7.04	2.93	50.16	4.00	1.46E-007	5.84E-004	11.00	39.36	0.00	0.00	0.00	62.17	15.00	187.41	1.54	0.30	7.08	184.56	0.00	1.00	3.92	0.00	187.41	3.45	81.46	0.58	17.90	N/A	N/A	N/A	N/A
705	7.05	2.92	48.97	4.00	1.49E-007	5.96E-004	11.00	39.21	0.00	0.00	0.00	61.58	15.00	186.74	1.53	0.30	7.04	183.83	0.00	1.00	4.00	0.00	186.74	3.43	80.45	0.58	17.88	N/A	N/A	N/A	N/A
706	7.06	2.77	46.92	4.00	1.26E-007	4.78E-004	11.00	37.11	0.00	0.00	0.00	59.83	15.00	176.72	1.45	0.30	6.65	181.55	0.00	1.00	3.95	0.00	176.72	3.62	80.19	0.58	17.81	N/A	N/A	N/A	N/A
707	7.07	2.64	46.66	4.00	1.02E-007	3.67E-004	11.00	35.29	0.00	0.00	0.00	59.03	15.00	168.04	1.37	0.30	6.30	180.47	0.00	1.00	3.78	0.00	168.04	3.88	81.45	0.58	17.78	N/A	N/A	N/A	N/A
708	7.08	2.48	47.01	4.00	7.55E-008	2.54E-004	10.00	33.05	0.00	0.00	0.00	58.33	15.00	157.36	1.29	0.30	5.87	179.47	0.00	1.00	3.51	0.00	157.36	4.28	83.77	0.58	17.77	N/A	N/A	N/A	N/A
709	7.09	2.11	49.69	4.00	3.24E-008	9.21E-005	9.00	27.86	0.00	0.00	0.00	57.32	15.00	132.68	1.08	0.30	4.90	177.89	0.00	1.00	2.80	0.00	132.68	5.59	91.28	0.58	17.77	N/A	N/A	N/A	N/A
710	7.10	1.98	52.24	4.00	2.20E-008	5.83E-005	9.00	26.04	0.00	0.00	0.00	57.59	15.00	124.00	1.01	0.30	4.55	178.15	0.00	1.00	2.49	0.00	124.00	6.29	95.48	0.58	17.80	N/A	N/A	N/A	N/A
711	7.11	1.85	58.93	3.00	1.29E-008	3.18E-005	9.00	24.22	0.00	0.00	0.00	59.38	15.00	115.32	0.94	0.30	4.22	180.33	0.00	1.00	2.05	0.00	115.32	7.36	103.56	0.58	17.91	N/A	N/A	N/A	N/A
712	7.12	1.82	64.32	3.00	1.01E-008	2.42E-005	9.00	23.47	0.00	0.00	0.00	61.25	15.00	113.33	0.92	0.30	4.14	182.67	0.00	1.00	1.85	0.00	113.33	7.88	108.82	0.58	18.01	N/A	N/A	N/A	N/A
713	7.13	1.90	71.26	3.00	1.01E-008	2.58E-005	9.00	24.92	0.00	0.00	0.00	64.60	15.00	118.67	0.96	0.30	4.33	186.90	0.00	1.00	1.75	0.00	118.67	7.88	113.73	0.58	18.14	N/A	N/A	N/A	N/A
714	7.14	2.10	69.49	3.00	1.67E-008	4.72E-005	10.00	27.73	0.00	0.00	0.00	65.71	15.00	132.03	1.07	0.30	4.81	188.44	0.00	1.00	2.00	0.00	132.03	6.82	109.41	0.58	18.15	N/A	N/A	N/A	N/A
715	7.15	2.29	67.41	4.00	2.63E-008	8.17E-005	10.00	30.41	0.00	0.00	0.00	66.35	15.00	144.79	1.17	0.30	5.29	189.36	0.00	1.00	2.26	0.00	144.79	5.95	104.99	0.58	18.15	N/A	N/A	N/A	N/A
716	7.16	2.50	64.60	4.00	4.26E-008	1.45E-004	11.00	33.35	0.00	0.00	0.00	66.64	15.00	158.80	1.28	0.30	5.82	189.87	0.00	1.00	2.58	0.00	158.80	5.13	99.66	0.58	18.13	N/A	N/A	N/A	N/A
717	7.17	2.51	63.22	4.00	4.50E-008	1.54E-004	11.00	33.48	0.00	0.00	0.00	66.17	15.00	159.45	1.29	0.30	5.84	189.31	0.00	1.00	2.65	0.00	159.45	5.05	98.28	0.58	18.11	N/A	N/A	N/A	N/A
718	7.18	2.50	58.96	4.00	5.02E-008	1.71E-004	11.00	33.34	0.00	0.00	0.00	64.31	15.00	158.76	1.28	0.30	5.82	187.06	0.00	1.00	2.83	0.00	158.76	4.88	94.57	0.58	18.03	N/A	N/A	N/A	N/A
719	7.19	2.45	57.01	4.00	4.85E-008	1.61E-004	11.00	32.64	0.00	0.00	0.00	63.19	15.00	155.41	1.25	0.30	5.68	185.66	0.00	1.00	2.86	0.00	155.41	4.93	93.42	0.58	17.98	N/A	N/A	N/A	N/A
720	7.20	2.25	54.36	4.00	3.56E-008	1.08E-004	10.00	29.83	0.00	0.00	0.00	60.77	15.00	142.06	1.14	0.30	5.17	182.52	0.00	1.00	2.74	0.00	142.06	5.43	93.56	0.58	17.90	N/A	N/A	N/A	N/A
721	7.21	2.15	52.43	4.00	3.07E-008	8.91E-005	10.00	28.43	0.00	0.00	0.00	59.28	15.00	135.38	1.09	0.30	4.91	180.57	0.00	1.00	2.71	0.00	135.38	5.68	93.01	0.58	17.84	N/A	N/A	N/A	N/A
722	7.22	1.97	48.81	4.00	2.33E-008	6.14E-005	9.00	25.91	0.00	0.00	0.00	56.45	15.00	123.36	0.99	0.30	4.46	176.77	0.00	1.00	2.65	0.00	123.36	6.18	91.81	0.58	17.72	N/A	N/A	N/A	N/A
723	7.23	1.89	47.70	4.00	1.99E-008	5.03E-005	9.00	24.78	0.00	0.00	0.00	55.41	15.00	118.01	0.94	0.30	4.25	175.34	0.00	1.00	2.60	0.00	118.01	6.48	91.71	0.58	17.68	N/A	N/A	N/A	N/A
724	7.24	1.85	47.29	4.00	1.82E-008	4.44E-005	9.00	23.89	0.00	0.00	0.00	54.96	15.00	115.33	0.92	0.30	4.14	174.72	0.00	1.00	2.56	0.00	115.33	6.65	91.78	0.58	17.66	N/A	N/A	N/A	N/A
725	7.25	1.82	48.87	3.00	1.59E-008	3.74E-005	9.00	23.03	0.00	0.00	0.00	55.44	15.00	113.32	0.90	0.30	4.06	175.34	0.00	1.00	2.43	0.00	113.32	6.92	93.73	0.58	17.69	N/A	N/A	N/A	N/A
726	7.26	1.84	49.34	3.00	1.64E-008	3.93E-005	9.00	23.54	0.00	0.00	0.00	55.85	15.00	114.64	0.91	0.30	4.11	175.90	0.00	1.00	2.44	0.00	114.64	6.86	93.90	0.58	17.71	N/A	N/A	N/A	N/A

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
727	7.27	1.85	49.63	3.00	1.66E-008	4.01E-005	9.00	23.77	0.00	0.00	0.00	56.09	15.00	115.30	0.92	0.30	4.12	176.23	0.00	1.00	2.44	0.00	115.30	6.84	94.02	0.58	17.72	N/A	N/A	N/A	N/A
728	7.28	1.94	50.73	4.00	1.97E-008	5.12E-005	9.00	25.47	0.00	0.00	0.00	57.32	15.00	121.29	0.96	0.30	4.33	177.93	0.00	1.00	2.51	0.00	121.29	6.50	93.87	0.58	17.76	N/A	N/A	N/A	N/A
729	7.29	2.01	50.76	4.00	2.31E-008	6.23E-005	9.00	26.45	0.00	0.00	0.00	57.86	15.00	125.94	1.00	0.30	4.50	178.71	0.00	1.00	2.61	0.00	125.94	6.19	92.98	0.58	17.77	N/A	N/A	N/A	N/A
730	7.30	2.07	51.52	4.00	2.57E-008	7.15E-005	9.00	27.29	0.00	0.00	0.00	58.66	15.00	129.93	1.03	0.30	4.65	179.79	0.00	1.00	2.65	0.00	129.93	6.00	92.90	0.58	17.80	N/A	N/A	N/A	N/A
731	7.31	2.06	54.20	4.00	2.28E-008	6.31E-005	10.00	27.14	0.00	0.00	0.00	59.82	15.00	129.25	1.02	0.30	4.61	181.27	0.00	1.00	2.50	0.00	129.25	6.22	95.54	0.58	17.86	N/A	N/A	N/A	N/A
732	7.32	2.00	56.66	3.00	1.82E-008	4.89E-005	9.00	26.30	0.00	0.00	0.00	60.49	15.00	125.23	0.99	0.30	4.45	182.08	0.00	1.00	2.32	0.00	125.23	6.65	98.56	0.58	17.90	N/A	N/A	N/A	N/A
733	7.33	1.83	60.82	3.00	1.07E-008	2.50E-005	9.00	23.00	0.00	0.00	0.00	60.77	15.00	113.88	0.90	0.30	4.04	182.27	0.00	1.00	1.97	0.00	113.88	7.77	104.57	0.58	17.95	N/A	N/A	N/A	N/A
734	7.34	1.74	62.30	3.00	8.07E-009	1.69E-005	9.00	20.60	0.00	0.00	0.00	60.57	15.00	107.87	0.85	0.30	3.82	181.92	0.00	1.00	1.82	0.00	107.87	8.40	106.99	0.58	17.95	N/A	N/A	N/A	N/A
735	7.35	1.52	63.50	3.00	4.16E-009	6.51E-006	8.00	15.35	0.00	0.00	0.00	58.89	15.00	93.18	0.73	0.30	3.30	179.53	0.00	1.00	1.54	0.00	93.18	10.07	110.62	0.50	17.92	N/A	N/A	N/A	N/A
736	7.36	1.42	62.71	3.00	3.09E-009	4.16E-006	8.00	13.21	0.00	0.00	0.00	57.56	15.00	86.50	0.68	0.30	3.05	177.69	0.00	1.00	1.45	0.00	86.50	10.90	110.97	0.49	17.88	N/A	N/A	N/A	N/A
737	7.37	1.26	60.16	3.00	1.90E-009	1.96E-006	7.00	10.14	0.00	0.00	0.00	54.82	15.00	75.82	0.59	0.30	2.67	173.87	0.00	1.00	1.32	0.00	75.82	12.37	110.27	0.47	17.79	N/A	N/A	N/A	N/A
738	7.38	1.20	60.10	3.00	1.50E-009	1.39E-006	7.00	9.08	0.00	0.00	0.00	54.10	15.00	71.81	0.56	0.30	2.53	172.81	0.00	1.00	1.25	0.00	71.81	13.13	110.69	0.47	17.77	N/A	N/A	N/A	N/A
739	7.39	1.09	61.92	3.00	9.39E-010	7.00E-007	7.00	7.31	0.00	0.00	0.00	53.34	15.00	64.46	0.50	0.30	2.27	171.61	0.00	1.00	1.09	0.00	64.46	14.96	113.05	0.48	17.77	N/A	N/A	N/A	N/A
740	7.40	1.05	63.50	3.00	8.46E-010	5.78E-007	7.00	6.70	0.00	0.00	0.00	53.36	15.00	61.78	0.48	0.30	2.17	171.57	0.00	1.00	1.02	0.00	61.78	15.84	114.60	0.50	17.78	N/A	N/A	N/A	N/A
741	7.41	1.03	64.89	3.00	7.95E-010	5.19E-007	7.00	6.40	0.00	0.00	0.00	53.57	15.00	60.43	0.47	0.30	2.12	171.82	0.00	1.00	0.98	0.00	60.43	16.39	115.82	0.51	17.80	N/A	N/A	N/A	N/A
742	7.42	0.99	65.49	3.00	7.22E-010	4.30E-007	7.00	5.84	0.00	0.00	0.00	53.21	15.00	57.76	0.45	0.30	2.02	171.26	0.00	1.00	0.93	0.00	57.76	17.28	116.48	0.51	17.80	N/A	N/A	N/A	N/A
743	7.43	0.93	65.05	3.00	6.31E-010	3.25E-007	6.00	5.05	0.00	0.00	0.00	52.16	15.00	53.74	0.42	0.30	1.88	169.72	0.00	1.00	0.87	0.00	53.74	18.57	116.38	0.51	17.76	N/A	N/A	N/A	N/A
744	7.44	0.91	64.10	3.00	6.08E-010	2.97E-007	6.00	4.80	0.00	0.00	0.00	51.56	15.00	52.40	0.41	0.30	1.83	168.86	0.00	1.00	0.86	0.00	52.40	18.95	115.63	0.50	17.74	N/A	N/A	N/A	N/A
745	7.45	0.93	60.98	3.00	6.65E-010	3.41E-007	6.00	5.03	0.00	0.00	0.00	50.87	15.00	53.73	0.42	0.30	1.87	167.95	0.00	1.00	0.93	0.00	53.73	18.07	112.86	0.47	17.69	N/A	N/A	N/A	N/A
746	7.46	0.95	59.56	3.00	7.10E-010	3.82E-007	6.00	5.28	0.00	0.00	0.00	50.72	15.00	55.07	0.43	0.30	1.92	167.80	0.00	1.00	0.97	0.00	55.07	17.44	111.49	0.46	17.67	N/A	N/A	N/A	N/A
747	7.47	0.95	59.18	3.00	7.13E-010	3.83E-007	6.00	5.28	0.00	0.00	0.00	50.63	15.00	55.08	0.43	0.30	1.92	167.68	0.00	1.00	0.98	0.00	55.08	17.40	111.10	0.46	17.66	N/A	N/A	N/A	N/A
748	7.48	0.97	58.30	3.00	7.56E-010	4.27E-007	6.00	5.54	0.00	0.00	0.00	50.66	15.00	56.47	0.44	0.30	1.96	167.78	0.00	1.00	1.02	0.00	56.47	16.85	110.16	0.45	17.66	N/A	N/A	N/A	N/A
749	7.49	0.98	57.45	3.00	7.81E-010	4.51E-007	6.00	5.66	0.00	0.00	0.00	50.54	15.00	57.12	0.44	0.30	1.98	167.63	0.00	1.00	1.04	0.00	57.12	16.55	109.31	0.44	17.64	N/A	N/A	N/A	N/A
750	7.50	1.03	53.57	3.00	9.22E-010	5.94E-007	6.00	6.33	0.00	0.00	0.00	49.87	15.00	60.44	0.47	0.30	2.09	166.81	0.00	1.00	1.18	0.00	60.44	15.12	105.52	0.41	17.58	N/A	N/A	N/A	N/A
751	7.51	1.04	52.97	3.00	9.48E-010	6.24E-007	7.00	6.46	0.00	0.00	0.00	49.81	15.00	61.09	0.47	0.30	2.11	166.75	0.00	1.00	1.21	0.00	61.09	14.88	104.85	0.41	17.57	N/A	N/A	N/A	N/A
752	7.52	1.03	50.07	3.00	9.71E-010	6.24E-007	6.00	6.30	0.00	0.00	0.00	48.60	15.00	60.41	0.46	0.30	2.09	165.05	0.00	1.00	1.27	0.00	60.41	14.69	102.22	0.38	17.50	N/A	N/A	N/A	N/A
753	7.53	1.01	47.48	3.00	9.70E-010	5.95E-007	6.00	6.02	0.00	0.00	0.00	47.36	15.00	59.07	0.45	0.30	2.04	163.24	0.00	1.00	1.31	0.00	59.07	14.70	99.87	0.36	17.43	N/A	N/A	N/A	N/A
754	7.54	1.01	42.75	3.00	1.15E-009	7.05E-007	6.00	6.01	0.00	0.00	0.00	45.48	15.00	59.06	0.45	0.30	2.03	160.53	0.00	1.00	1.45	0.00	59.06	14.04	95.24	0.33	17.31	N/A	N/A	N/A	N/A
755	7.55	1.02	40.89	3.00	1.30E-009	8.14E-007	6.00	6.14	0.00	0.00	0.00	44.86	15.00	59.71	0.46	0.30	2.05	159.64	0.00	1.00	1.53	0.00	59.71	13.61	93.25	0.31	17.27	N/A	N/A	N/A	N/A
756	7.56	1.00	38.31	3.00	1.32E-009	7.89E-007	6.00	5.86	0.00	0.00	0.00	43.52	15.00	58.37	0.45	0.30	2.01	157.62	0.00	1.00	1.60	0.00	58.37	13.56	90.69	0.29	17.18	N/A	N/A	N/A	N/A
757	7.57	1.06	33.20	3.00	2.24E-009	1.53E-006	6.00	6.69	0.00	0.00	0.00	41.96	15.00	62.44	0.48	0.30	2.14	155.41	0.00	1.00	1.97	0.00	62.44	11.85	84.64	0.25	17.04	N/A	N/A	N/A	N/A
758	7.58	1.20	32.60	3.00	4.19E-009	3.79E-006	7.00	8.87	0.00	0.00	0.00	43.24	15.00	71.95	0.55	0.30	2.47	157.65	0.00	1.00	2.32	0.00	71.95	10.05	82.62	0.25	17.07	N/A	N/A	N/A	N/A
759	7.59	1.68	34.56	4.00	1.80E-008	3.42E-005	8.00	18.59	0.00	0.00	0.00	48.65	15.00	104.21	0.79	0.30	3.57	166.26	0.00	1.00	3.17	0.00	104.21	6.67	79.32	0.55	17.27	N/A	N/A	N/A	N/A
760	7.60	1.99	36.70	4.00	3.56E-008	9.51E-005	9.00	26.22	0.00	0.00	0.00	51.96	15.00	124.88	0.95	0.30	4.31	171.16	0.00	1.00	3.57	0.00	124.88	5.43	77.96	0.49	17.40	N/A	N/A	N/A	N/A
761	7.61	2.44	38.12	4.00	8.46E-008	2.80E-004	10.00	32.49	0.00	0.00	0.00	55.42	15.00	154.73	1.17	0.30	5.39	176.15	0.00	1.00	4.26	0.00	154.73	4.13	74.19	0.36	17.52	N/A	N/A	N/A	N/A
762	7.62	2.55	41.52	4.00	8.86E-008	3.07E-004	10.00	34.00	0.00	0.00	0.00	57.87	15.00	161.89	1.23	0.30	5.64	179.42	0.00	1.00	4.09	0.00	161.89	4.06	76.41	0.43	17.63	N/A	N/A	N/A	N/A
763	7.63	2.62	41.52	4.00	9.98E-008	3.56E-004	11.00	34.96	0.00	0.00	0.00	58.27	15.00	166.46	1.26	0.30	5.80	180.00	0.00	1.00	4.21	0.00	166.46	3.91	75.63	0.41	17.64	N/A	N/A	N/A	N/A
764	7.64	2.72	41.18	4.00	1.20E-007	4.43E-004	11.00	36.35	0.00	0.00	0.00	58.65	15.00	173.09	1.31	0.30	6.04	180.55	0.00	1.00	4.41	0.00	173.09	3.68	74.20	0.36	17.65	N/A	N/A	N/A	N/A
765	7.65	2.81	44.17	4.00	1.22E-007	4.70E-004	11.00	37.61	0.00	0.00	0.00	60.74	15.00	179.07	1.35	0.30	6.24	183.26	0.00	1.00	4.26	0.00	179.07	3.66	76.11	0.42	17.74	N/A	N/A	N/A	N/A
766	7.66	2.88	47.23	4.00	1.21E-007	4.77E-004	11.00	38.58	0.00	0.00	0.00	62.73	15.00	183.72	1.38	0.30	6.40	185.78	0.00	1.00	4.08	0.00	183.72	3.67	78.22	0.50	17.83	N/A	N/A	N/A	N/A
767	7.67	3.03	49.06	4.00	1.43E-007	5.92E-004	12.00	40.68	0.00	0.00	0.00	64.46	15.00	193.71	1.46	0.30	6.75	187.99	0.00	1.00	4.15	0.00	193.71	3.48	78.29	0.51	17.89	N/A	N/A	N/A	N/A
768	7.68	3.07	48.97	4.00	1.51E-007	6.37E-004	12.00	41.24	0.00	0.00	0.00	64.65	15.00	196.36	1.48	0.30	6.84	188.26	0.00	1.00	4.21	0.00	196.36	3.41	77.79	0.49	17.90	N/A	N/A	N/A	N/A
769	7.69	3.07	49.22	4.00	1.50E-007	6.29E-004	12.00	41.23	0.00	0.00	0.00	64.81	15.00	196.35	1.47	0.30	6.83	188.46	0.00	1.00	4.19	0.00	196.35	3.42	78.00	0.49	17.90	N/A	N/A	N/A	N/A
770	7.70	2.89	51.84	4.00	1.03E-007	4.06E-004	12.00	38.71	0.00	0.00	0.00	65.23	15.00	184.32	1.38	0.30	6.37	188.88	0.00	1.00	3.73	0.00	184.32	3.87	82.23	0.58	17.94	N/A	N/A	N/A	N/A
771	7.71	2.72	53.73	4.00	7.27E-008	2.69E-004	11.00	36.32	0.00	0.00	0.00	65.26	15.00	172.98	1.29	0.30	5.94	188.82	0.00	1.00	3.38	0.00	172.98	4.33	85.83	0.58	17.96	N/A	N/A	N/A	N/A
772	7.72	2.46	53.60	4.00	4.57E-008	1.52E-004	11.00	32.68	0.00	0.00	0.00	63.71	15.00	155.63	1.16	0.30	5.30	186.79	0.00	1.00	3.05	0.00	155.63	5.02	88.77	0.58	17.91	N/A	N/A	N/A	N/A
773	7.73	2.33	56.41	4.00	3.22E-008	1.01E-004	10.00	30.86	0.00	0.00	0.00	64.23	15.00	146.95	1.10	0.30	4.97	187.35	0.00	1.00	2.74	0.00	146.95	5.60	92.84	0.58	17.95	N/A	N/A	N/A	N/A
774	7.74	2.18	59.65	4.00	2.12E-008	6.21E-005	10.00	28.76	0.00	0.00	0.00	64.71	15.00	136.94	1.02	0.30	4.60	187.84	0.00	1.00	2.41	0.00	136.94	6.36	97.46	0.58	17.99	N/A	N/A	N/A	N/A
775	7.75	2.00	68.04	3.00	1.12E-008	2.99E-005	10.00	26.15	0.00	0.00	0.00	66.67	15.00	124.93	0.93	0.30	4.19	190.03	0.00	1.00	1.93	0.00	124.93	7.66	106.83	0.58	18.11	N/A	N/A	N/A	N/A
776	7.76	1.93	73.28	3.00	8.27E-009	2.04E-005	10.00	24.19	0.00	0.00	0.00	68.07	15.00	120.25	0.89	0.30	4.02	191.64	0.00	1.00	1.72	0.00	120.25	8.34	111.90	0.58	18.18	N/A	N/A	N/A	N/A
777	7.77	1.89	81.13	3.00	6.18E-009	1.46E-005	10.00	23.09	0.00	0.00	0.00	70.57	15.00	117.57	0.87	0.30	3.93	194.55	0.00	1.00	1.52	0.00	117.57	9.04	118.44	0.60	18.29	N/A	N/A	N/A	N/A
778	7.78	1.93	85.07	3.00	6.19E-009	1.52E-005	10.00	24.12	0.00	0.00	0.00	72.39	15.00	120.23	0.89	0.30	4.01	196.70	0.00	1.00	1.48	0.00	120.23	9.04	120.89	0.63	18.35	N/A	N/A	N/A	N/A
779	7.79	2.10	87.43	3.00	8.61E-009	2.43E-005	11.00	27.63	0.00	0.00	0.00	74.89	15.00	131.57	0.97	0.30	4.38	199.72	0.00	1.00	1.58	0.00	131.57	8.25	120.56	0.58	18.42	N/A	N/A	N/A	N/A
780	7.80	2.23	84.75	3.00	1.20E-008	3.60E-005	11.00	29.45	0.00	0.00	0.00	75.16	15.00	140.26	1.04	0.30	4.67	200.16	0.00	1.00	1.74	0.00	140.26	7.51	116.89	0.58	18.40	N/A	N/A	N/A	N/A
781	7.81	2.53	81.13	3.00	2.30E-008	7.90E-005	12.00	33.66	0.00	0.00	0.00	76.30	15.00	160.30	1.18	0.30	5.34	201.68	0.00	1.00	2.07	0.00	160.30	6.20	110.32	0.58	18.40	N/A	N/A	N/A	N/A
782	7.82	2.65	80.62	4.00	2.88E-008	1.04E-004	12.00	35.34	0.00	0.00	0.00	76.96	15.00	168.28	1.24	0.30	5.62	202.49	0.00	1.00	2.19	0.00	168.28	5.79	108.44	0.58	18.41	N/A	N/A	N/A	N/A
783	7.83	2.66	79.08	4.00	3.03E-008	1.10E-004	12.00	35.47	0.00	0.00	0.00	76.45	15.00	168.92	1.24	0.30	5.63	201.94	0.00	1.00	2.24	0.00	168.92	5.70	107.11	0.58	18.39	N/A	N/A	N/A	N/A
784	7.84	2.61	78.07	4.00	2.84E-008	1.01E-004	12.00	34.77	0.00	0.00	0.00	75.76	15.00	165.57	1.22	0.30	5.51	201.15	0.00	1.00	2.23	0.00	165.57	5.82	106.91	0.58	18.37	N/A	N/A	N/A	N/A
785	7.85	2.54	77.12	4.00	2.55E-008	8.78E-005	12.00	33.79	0.00	0.00	0.00	74.96	15.00	160.89	1.18	0.30	5.34	200.21	0.00	1.00	2.19	0.00	160.89	6.01	106.98	0.58	18.35	N/A	N/A	N/A	N/A
786	7.86	2.35	74.79	3.00	1.88E-008	5.96E-005	11.00	31.12	0.00	0.00	0.00	72.70	15.00	148.20	1.09	0.30	4.89	197.52	0.00	1.00	2.08	0.00	148.20	6.59	107.43	0.58	18.28	N/A	N/A	N/A	N/A
787	7.87	2.21	75.29	3.00	1.40E-008	4.17E-005	11.00	29.16	0.00	0.00	0.00	71.77	15.00	138.85	1.02	0.30	4.58	196.34	0.00	1.00	1.94	0.00	138.85	7.18	109.55	0.58	18.26	N/A	N/A	N/A	N/A
788	7.88	2.07	75.77	3.00	1.03E-008	2.84E-005	10.00	27.19	0.00	0.00	0.00	70.76	15.00	129.50	0.95	0.30	4.26	195.05	0.00	1.00	1.79	0.00	129.50	7.85	111.60	0.58	18.25	N/A	N/A	N/A	N/A
789	7.89	1.83	78.29	3.00	5.47E-009	1.18E-005	10.00	21.17	0.00	0.00	0.00	69.44	15.00	113.47	0.83	0.30	3.73	193.26	0.00	1.00	1.52	0.00	113.47	9.35	116.31	0.57	18.24	N/A	N/A	N/A	N/A
790	7.90	1.71	80.50	3.00	3.78E-009	7.04E-006	9.00	18.26	0.00	0.00	0.00	69.01	15.00	105.46	0.77	0.30	3.46	192.63	0.00	1.00	1.38	0.00	105.46	10.33	119.22	0.59	18.24	N/A	N/A	N/A	N/A
791	7.91	1.71	80.50	3.00	3.77E-009	7.00E-006	9.00	18.23	0.00	0.00	0.00	69.05	15.00	105.45	0.77	0.30	3.46	192.69	0.00	1.00	1.38	0.00	105.45	10.34	119.16	0.59	18.24	N/A	N/A	N/A	N/A
792	7.92	1.71	80.50	3.00	3.75E-009	6.96E-006	9.00	18.20	0.00	0.00	0.00	69.08	15.00	105.43	0.77	0.30	3.45	192.74	0.00	1.00	1.38	0.00	105.43	10.35	119.10	0.59	18.24	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
793	7.93	1.40	81.50	3.00	1.43E-009	1.70E-006	8.00	11.71	0.00	0.00	0.00	65.82	15.00	84.62	0.61	0.30	2.77	188.45	0.00	1.00	1.09	0.00	84.62	13.30	122.67	0.59	18.18	N/A	N/A	N/A	N/A
794	7.94	1.32	83.11	3.00	1.04E-009	1.09E-006	8.00	10.26	0.00	0.00	0.00	65.33	15.00	79.28	0.58	0.30	2.59	187.75	0.00	1.00	1.00	0.00	79.28	14.41	124.38	0.60	18.18	N/A	N/A	N/A	N/A
795	7.95	1.22	82.99	3.00	8.48E-010	7.43E-007	8.00	8.60	0.00	0.00	0.00	63.94	15.00	72.60	0.53	0.30	2.37	185.90	0.00	1.00	0.92	0.00	72.60	15.82	124.91	0.60	18.15	N/A	N/A	N/A	N/A
796	7.96	1.20	82.17	3.00	8.24E-010	6.95E-007	8.00	8.27	0.00	0.00	0.00	63.42	15.00	71.26	0.52	0.30	2.32	185.24	0.00	1.00	0.91	0.00	71.26	16.07	124.38	0.59	18.13	N/A	N/A	N/A	N/A
797	7.97	1.12	81.09	3.00	7.16E-010	5.16E-007	7.00	7.07	0.00	0.00	0.00	61.92	15.00	65.91	0.48	0.30	2.14	183.24	0.00	1.00	0.85	0.00	65.91	17.35	124.00	0.59	18.09	N/A	N/A	N/A	N/A
798	7.98	1.05	80.02	3.00	6.28E-010	3.90E-007	7.00	6.09	0.00	0.00	0.00	60.52	15.00	61.23	0.44	0.30	1.99	181.35	0.00	1.00	0.80	0.00	61.23	18.63	123.53	0.58	18.05	N/A	N/A	N/A	N/A
799	7.99	1.04	79.27	3.00	6.19E-010	3.75E-007	7.00	5.95	0.00	0.00	0.00	60.15	15.00	60.55	0.44	0.30	1.96	180.88	0.00	1.00	0.80	0.00	60.55	18.78	122.97	0.57	18.04	N/A	N/A	N/A	N/A
800	8.00	1.00	78.04	3.00	5.74E-010	3.18E-007	7.00	5.43	0.00	0.00	0.00	59.14	15.00	57.87	0.42	0.30	1.88	179.52	0.00	1.00	0.78	0.00	57.87	19.55	122.20	0.56	18.00	N/A	N/A	N/A	N/A
801	8.01	0.92	74.19	2.00	4.97E-010	2.26E-007	7.00	4.46	0.00	0.00	0.00	56.60	15.00	52.53	0.38	0.30	1.70	176.06	0.00	1.00	0.74	0.00	52.53	21.11	119.65	0.53	17.91	N/A	N/A	N/A	N/A
802	8.02	0.90	72.36	2.00	4.82E-010	2.08E-007	6.00	4.23	0.00	0.00	0.00	55.70	15.00	51.18	0.37	0.30	1.65	174.83	0.00	1.00	0.74	0.00	51.18	21.45	118.30	0.52	17.88	N/A	N/A	N/A	N/A
803	8.03	0.84	69.08	2.00	4.28E-010	1.57E-007	6.00	3.59	0.00	0.00	0.00	53.60	15.00	47.18	0.34	0.30	1.52	171.90	0.00	1.00	0.72	0.00	47.18	22.85	115.97	0.50	17.80	N/A	N/A	N/A	N/A
804	8.04	0.84	66.56	2.00	4.41E-010	1.61E-007	6.00	3.59	0.00	0.00	0.00	52.82	15.00	47.17	0.34	0.30	1.52	170.85	0.00	1.00	0.74	0.00	47.17	22.49	113.98	0.48	17.75	N/A	N/A	N/A	N/A
805	8.05	0.84	63.00	2.00	4.62E-010	1.68E-007	6.00	3.58	0.00	0.00	0.00	51.69	15.00	47.16	0.34	0.30	1.52	169.30	0.00	1.00	0.79	0.00	47.16	21.96	111.13	0.45	17.69	N/A	N/A	N/A	N/A
806	8.06	0.85	60.44	2.00	4.90E-010	1.84E-007	6.00	3.68	0.00	0.00	0.00	51.03	15.00	47.82	0.34	0.30	1.54	168.43	0.00	1.00	0.83	0.00	47.82	21.26	108.99	0.43	17.65	N/A	N/A	N/A	N/A
807	8.07	0.85	57.76	3.00	5.09E-010	1.90E-007	6.00	3.67	0.00	0.00	0.00	50.14	15.00	47.82	0.34	0.30	1.54	167.19	0.00	1.00	0.87	0.00	47.82	20.85	106.75	0.41	17.59	N/A	N/A	N/A	N/A
808	8.08	0.87	51.80	3.00	5.86E-010	2.32E-007	6.00	3.88	0.00	0.00	0.00	48.36	15.00	49.17	0.35	0.30	1.58	164.76	0.00	1.00	1.00	0.00	49.17	19.33	101.60	0.37	17.48	N/A	N/A	N/A	N/A
809	8.09	0.88	48.59	3.00	6.33E-010	2.57E-007	6.00	3.98	0.00	0.00	0.00	47.34	15.00	49.84	0.35	0.30	1.60	163.33	0.00	1.00	1.08	0.00	49.84	18.54	98.69	0.35	17.41	N/A	N/A	N/A	N/A
810	8.10	0.89	42.69	3.00	7.21E-010	3.00E-007	6.00	4.09	0.00	0.00	0.00	45.19	15.00	50.53	0.36	0.30	1.62	160.24	0.00	1.00	1.24	0.00	50.53	17.29	93.19	0.30	17.27	N/A	N/A	N/A	N/A
811	8.11	0.90	39.98	3.00	7.78E-010	3.32E-007	6.00	4.19	0.00	0.00	0.00	44.23	15.00	51.21	0.36	0.30	1.64	158.86	0.00	1.00	1.34	0.00	51.21	16.59	90.49	0.28	17.19	N/A	N/A	N/A	N/A
812	8.12	0.91	36.45	3.00	8.57E-010	3.76E-007	6.00	4.30	0.00	0.00	0.00	42.86	15.00	51.90	0.37	0.30	1.66	156.84	0.00	1.00	1.49	0.00	51.90	15.73	86.88	0.26	17.09	N/A	N/A	N/A	N/A
813	8.13	0.91	35.31	3.00	8.77E-010	3.84E-007	6.00	4.29	0.00	0.00	0.00	42.37	15.00	51.90	0.37	0.30	1.65	156.11	0.00	1.00	1.54	0.00	51.90	15.53	85.67	0.25	17.06	N/A	N/A	N/A	N/A
814	8.14	0.92	33.14	3.00	9.43E-010	4.23E-007	6.00	4.40	0.00	0.00	0.00	41.53	15.00	52.57	0.37	0.30	1.67	154.86	0.00	1.00	1.67	0.00	52.57	14.93	83.31	0.23	16.99	N/A	N/A	N/A	N/A
815	8.15	0.92	32.07	3.00	9.66E-010	4.33E-007	6.00	4.40	0.00	0.00	0.00	41.04	15.00	52.57	0.37	0.30	1.67	154.12	0.00	1.00	1.72	0.00	52.57	14.73	82.12	0.23	16.95	N/A	N/A	N/A	N/A
816	8.16	0.92	31.18	3.00	9.86E-010	4.41E-007	6.00	4.39	0.00	0.00	0.00	40.63	15.00	52.58	0.37	0.30	1.67	153.50	0.00	1.00	1.77	0.00	52.58	14.57	81.11	0.22	16.92	N/A	N/A	N/A	N/A
817	8.17	0.92	29.61	3.00	1.08E-009	4.83E-007	6.00	4.39	0.00	0.00	0.00	39.88	15.00	52.59	0.37	0.30	1.67	152.35	0.00	1.00	1.86	0.00	52.59	14.26	79.34	0.21	16.86	N/A	N/A	N/A	N/A
818	8.18	0.92	29.04	3.00	1.11E-009	4.97E-007	6.00	4.38	0.00	0.00	0.00	39.62	15.00	52.58	0.37	0.30	1.67	151.94	0.00	1.00	1.90	0.00	52.58	14.16	78.66	0.20	16.84	N/A	N/A	N/A	N/A
819	8.19	0.92	28.94	3.00	1.11E-009	4.97E-007	6.00	4.37	0.00	0.00	0.00	39.59	15.00	52.57	0.37	0.30	1.66	151.90	0.00	1.00	1.91	0.00	52.57	14.15	78.52	0.20	16.83	N/A	N/A	N/A	N/A
820	8.20	1.00	28.41	3.00	1.74E-009	9.49E-007	6.00	5.34	0.00	0.00	0.00	40.37	15.00	58.09	0.41	0.30	1.84	153.34	0.00	1.00	2.15	0.00	58.09	12.64	77.38	0.20	16.84	N/A	N/A	N/A	N/A
821	8.21	1.12	28.72	3.00	2.95E-009	2.08E-006	6.00	6.91	0.00	0.00	0.00	41.95	15.00	66.17	0.46	0.30	2.09	156.05	0.00	1.00	2.42	0.00	66.17	11.03	76.82	0.20	16.90	N/A	N/A	N/A	N/A
822	8.22	1.37	30.39	3.00	6.95E-009	7.69E-006	7.00	10.86	0.00	0.00	0.00	45.45	15.00	83.00	0.58	0.30	2.62	161.75	0.00	1.00	2.87	0.00	83.00	8.76	76.43	0.43	17.04	N/A	N/A	N/A	N/A
823	8.23	1.73	31.75	4.00	1.89E-008	3.48E-005	8.00	18.10	0.00	0.00	0.00	49.40	15.00	107.20	0.75	0.30	3.38	167.95	0.00	1.00	3.55	0.00	107.20	6.58	74.10	0.36	17.18	N/A	N/A	N/A	N/A
824	8.24	2.18	32.70	4.00	5.28E-008	1.55E-004	9.00	28.84	0.00	0.00	0.00	52.90	15.00	137.35	0.96	0.30	4.39	173.19	0.00	1.00	4.41	0.00	137.35	4.80	70.30	0.26	17.30	N/A	N/A	N/A	N/A
825	8.25	3.20	33.77	5.00	2.92E-007	1.28E-003	12.00	43.13	25.00	31.52	50.03	58.68	0.00	0.00	0.00	0.30	0.00	181.44	-0.03	0.00	0.00	0.00	87.81	2.75	62.07	0.13	17.49	N/A	N/A	N/A	N/A
826	8.26	3.60	35.53	5.00	4.57E-007	2.27E-003	13.00	48.72	27.00	31.42	52.12	61.48	0.00	0.00	0.00	0.30	0.00	185.18	-0.03	0.00	0.00	0.00	87.57	2.38	61.16	0.12	17.59	N/A	N/A	N/A	N/A
827	8.27	4.01	39.00	5.00	6.26E-007	3.46E-003	14.00	54.25	29.00	31.52	54.82	65.20	0.00	0.00	0.00	0.30	0.00	189.91	-0.03	0.00	0.00	0.00	88.03	2.16	62.09	0.13	17.74	N/A	N/A	N/A	N/A
828	8.28	4.22	37.33	5.00	8.42E-007	4.90E-003	14.00	57.13	29.00	31.31	54.71	64.97	0.00	0.00	0.00	0.30	0.00	189.73	-0.03	0.00	0.00	0.00	87.42	1.98	60.21	0.12	17.70	N/A	N/A	N/A	N/A
829	8.29	4.33	35.69	5.00	1.01E-006	6.06E-003	14.00	58.66	30.00	31.15	54.32	64.35	0.00	0.00	0.00	0.30	0.00	189.05	-0.02	0.00	0.00	0.00	86.98	1.88	58.86	0.10	17.66	N/A	N/A	N/A	N/A
830	8.30	4.44	34.59	5.00	1.19E-006	7.31E-003	14.00	60.19	30.00	31.05	54.14	64.04	0.00	0.00	0.00	0.30	0.00	188.74	-0.02	0.00	0.00	0.00	86.75	1.80	58.00	0.10	17.64	N/A	N/A	N/A	N/A
831	8.31	4.64	34.15	5.00	1.48E-006	9.48E-003	15.00	62.98	31.00	31.02	54.49	64.46	0.00	0.00	0.00	0.30	0.00	189.34	-0.02	0.00	0.00	0.00	86.72	1.71	57.68	0.09	17.64	N/A	N/A	N/A	N/A
832	8.32	4.75	34.90	5.00	1.58E-006	1.04E-002	15.00	64.51	31.00	31.07	55.13	65.34	0.00	0.00	0.00	0.30	0.00	190.46	-0.02	0.00	0.00	0.00	87.02	1.68	58.16	0.10	17.67	N/A	N/A	N/A	N/A
833	8.33	4.95	36.86	5.00	1.74E-006	1.19E-002	15.00	67.31	32.00	31.22	56.53	67.30	0.00	0.00	0.00	0.30	0.00	192.86	-0.03	0.00	0.00	0.00	87.64	1.64	59.41	0.11	17.75	N/A	N/A	N/A	N/A
834	8.34	5.03	37.58	5.00	1.81E-006	1.26E-002	15.00	68.42	32.00	31.27	57.07	68.06	0.00	0.00	0.00	0.30	0.00	193.78	-0.03	0.00	0.00	0.00	87.93	1.63	59.87	0.11	17.78	N/A	N/A	N/A	N/A
835	8.35	5.14	38.47	5.00	1.91E-006	1.41E-002	16.00	72.39	33.00	31.34	57.76	69.01	0.00	0.00	0.00	0.30	0.00	194.94	-0.03	0.00	0.00	0.00	88.27	1.61	60.47	0.12	17.81	N/A	N/A	N/A	N/A
836	8.36	5.16	38.78	5.00	1.92E-006	1.42E-002	16.00	72.65	33.00	31.36	57.97	69.30	0.00	0.00	0.00	0.30	0.00	195.29	-0.03	0.00	0.00	0.00	88.44	1.61	60.63	0.12	17.82	N/A	N/A	N/A	N/A
837	8.37	5.20	41.27	5.00	1.79E-006	1.29E-002	16.00	70.78	33.00	31.50	59.17	71.03	0.00	0.00	0.00	0.30	0.00	197.30	-0.03	0.00	0.00	0.00	89.05	1.63	61.90	0.13	17.90	N/A	N/A	N/A	N/A
838	8.38	5.23	42.79	5.00	1.72E-006	1.25E-002	16.00	71.20	33.00	31.59	59.91	72.10	0.00	0.00	0.00	0.30	0.00	198.54	-0.03	0.00	0.00	0.00	89.46	1.65	62.68	0.14	17.94	N/A	N/A	N/A	N/A
839	8.39	5.26	44.65	5.00	1.64E-006	1.20E-002	16.00	71.62	33.00	31.69	60.79	73.36	0.00	0.00	0.00	0.30	0.00	199.99	-0.04	0.00	0.00	0.00	89.93	1.66	63.62	0.15	17.99	N/A	N/A	N/A	N/A
840	8.40	5.33	47.20	5.00	1.58E-006	1.17E-002	17.00	72.59	33.00	31.83	62.03	75.15	0.00	0.00	0.00	0.30	0.00	202.02	-0.04	0.00	0.00	0.00	90.53	1.68	64.93	0.17	18.06	N/A	N/A	N/A	N/A
841	8.41	5.38	47.77	5.00	1.61E-006	1.20E-002	17.00	73.29	33.00	31.86	62.41	75.68	0.00	0.00	0.00	0.30	0.00	202.63	-0.04	0.00	0.00	0.00	90.75	1.67	65.22	0.17	18.08	N/A	N/A	N/A	N/A
842	8.42	5.56	49.75	5.00	1.74E-006	1.35E-002	17.00	75.80	34.00	31.97	63.66	77.45	0.00	0.00	0.00	0.30	0.00	204.65	-0.04	0.00	0.00	0.00	91.27	1.64	66.31	0.19	18.14	N/A	N/A	N/A	N/A
843	8.43	5.70	51.17	5.00	1.85E-006	1.53E-002	17.00	80.93	34.00	32.06	64.57	78.75	0.00	0.00	0.00	0.30	0.00	206.12	-0.04	0.00	0.00	0.00	91.68	1.62	67.12	0.20	18.18	N/A	N/A	N/A	N/A
844	8.44	6.08	53.22	5.00	2.31E-006	1.96E-002	18.00	83.06	36.00	32.22	66.27	81.12	0.00	0.00	0.00	0.30	0.00	208.81	-0.05	0.00	0.00	0.00	92.37	1.55	68.70	0.23	18.25	N/A	N/A	N/A	N/A
845	8.45	6.34	53.66	5.00	2.75E-006	2.36E-002	19.00	84.03	36.00	32.31	67.04	82.18	0.00	0.00	0.00	0.30	0.00	210.02	-0.05	0.00	0.00	0.00	92.80	1.50	69.59	0.25	18.28	N/A	N/A	N/A	N/A
846	8.46	6.98	54.29	5.00	4.15E-006	3.64E-002	20.00	86.04	38.00	32.58	68.65	84.38	0.00	0.00	0.00	0.30	0.00	212.52	-0.05	0.00	0.00	0.00	93.92	1.40	72.46	0.31	18.33	N/A	N/A	N/A	N/A
847	8.47	7.34	54.67	6.00	5.14E-006	4.57E-002	20.00	87.15	39.00	32.77	69.53	85.60	0.00	0.00	0.00	0.30	0.00	213.89	-0.06	0.00	0.00	0.00	94.72	1.36	74.48	0.37	18.36	N/A	N/A	N/A	N/A
848	8.48	7.72	54.64	6.00	6.44E-006	5.78E-002	21.00	88.07	41.00	32.98	70.27	86.59	0.00	0.00	0.00	0.30	0.00	215.02	-0.06	0.00	0.00	0.00	95.60	1.33	76.78	0.45	18.37	N/A	N/A	N/A	N/A
849	8.49	8.30	53.98	6.00	9.09E-006	8.26E-002	22.00	89.08	42.00	33.32	71.08	87.66	0.00	0.00	0.00	0.30	0.00	216.25	-0.07	0.00	0.00	0.00	96.95	1.29	80.61	0.61	18.39	N/A	N/A	N/A	N/A
850	8.50	8.47	55.05	6.00	9.61E-006	8.82E-002	22.00	90.03	43.00	33.43	71.83	88.73	0.00	0.00	0.00	0.30	0.00	217.40	-0.07	0.00	0.00	0.00	97.49	1.28	81.94	0.66	18.42	N/A	N/A	N/A	N/A
851	8.51	8.55	55.74	6.00	9.79E-006	9.04E-002	22.00	90.59	43.00	33.48	72.28	89.37	0.00	0.00	0.00	0.30	0.00	218.07	-0.07	0.00	0.00	0.00	97.80	1.28	82.56	0.66	18.44	N/A	N/A	N/A	N/A
852	8.52	8.46	56.41	6.00	9.13E-006	8.44E-002	22.00	90.77	43.00	33.43	72.42	89.59	0.00	0.00	0.00	0.30	0.00	218.29	-0.07	0.00	0.00	0.00	97.74	1.29	81.95	0.66	18.45	N/A	N/A	N/A	N/A
853	8.53	8.32	57.70	6.00	8.12E-006	7.55E-002	22.00	91.14	42.00	33.36	72.72	90.06	0.00	0.00	0.00	0.30	0.00	218.74	-0.07	0.00	0.00	0.00	97.59	1.30	81.10	0.64	18.47	N/A	N/A	N/A	N/A
854	8.54	7.88	61.42	6.00	5.68E-006	5.33E-002	22.00	91.99	41.00	33.16	73.40	91.15	0.00	0.00	0.00	0.30	0.00	219.75	-0.07	0.00	0.00	0.00	96.98	1.35	78.80	0.53	18.52	N/A	N/A	N/A	N/A
855	8.55	7.61	63.56	5.00	4.55E-006	4.29E-002	21.00	92.40	40.00	33.06	73.73	91.69	0.00	0.00	0.00	0.30	0.00	220.24	-0.06	0.00	0.00	0.00	96.73	1.39	77.66	0.48	18.54	N/A	N/A	N/A	N/A
856	8.56	6.99	68.70	5.00	2.68E-006	2.55E-002	21.00	93.24	38.00	32.95	74.40	92.80	0.00	0.00	0.00	0.30	0.00	221.24	-0.06	0.00	0.00	0.00	96.43	1.50	76.37	0.43	18.60	N/A	N/A	N/A	N/A
857	8.57	6.72	70.41	5.00	2.14E-006	2.03E-002	20.00	93.32	37.00	32.93	74.46	92.95	0.00	0.00	0.00	0.30	0.00	221.34	-0.06	0.00	0.00	0.00	96.50	1.57	76.22	0.43	18.61	N/A	N/A	N/A	N/A
858	8.58	6.42	72.68	5.00	1.63E-006	1.46E-002	20.00	87.81	36.00	32.97	74.62	93.24	0.00	0.00	0.00	0.30	0.00	221.58	-0.06	0.00	0.00	0.00	96.76	1.67	76.65	0.44	18.63	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																						
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
859	8.59	5.96	76.43	5.00	1.05E-006	8.73E-003	19.00	81.36	35.00	33.13	74.84	93.67	0.00	0.00	0.00	0.30	0.00	221.91	-0.07	0.00	0.00	0.00	97.48	1.86	78.47	0.51	18.66	N/A	N/A	N/A	N/A
860	8.60	5.78	78.00	5.00	8.77E-007	7.04E-003	19.00	78.84	34.00	33.23	74.96	93.88	0.00	0.00	0.00	0.30	0.00	222.08	-0.07	0.00	0.00	0.00	97.95	1.96	79.56	0.56	18.67	N/A	N/A	N/A	N/A
861	8.61	5.62	79.64	5.00	7.38E-007	5.77E-003	19.00	76.60	34.00	33.34	75.12	94.15	0.00	0.00	0.00	0.30	0.00	222.32	-0.07	0.00	0.00	0.00	98.48	2.06	80.83	0.63	18.69	N/A	N/A	N/A	N/A
862	8.62	5.35	81.54	5.00	5.61E-007	4.16E-003	18.00	72.82	33.00	33.51	75.06	94.10	0.00	0.00	0.00	0.30	0.00	222.22	-0.07	0.00	0.00	0.00	99.25	2.23	82.87	0.66	18.69	N/A	N/A	N/A	N/A
863	8.63	5.24	82.01	5.00	5.03E-007	3.65E-003	18.00	71.27	32.00	33.57	74.94	93.95	0.00	0.00	0.00	0.30	0.00	222.05	-0.07	0.00	0.00	0.00	99.61	2.31	83.63	0.66	18.69	N/A	N/A	N/A	N/A
864	8.64	5.16	81.91	5.00	4.68E-007	3.35E-003	18.00	70.15	32.00	33.60	74.72	93.64	0.00	0.00	0.00	0.30	0.00	221.73	-0.07	0.00	0.00	0.00	99.84	2.36	83.96	0.66	18.69	N/A	N/A	N/A	N/A
865	8.65	4.99	80.78	5.00	4.10E-007	2.83E-003	18.00	67.77	31.00	33.62	73.92	92.49	0.00	0.00	0.00	0.30	0.00	220.53	-0.08	0.00	0.00	0.00	100.04	2.46	84.22	0.66	18.66	N/A	N/A	N/A	N/A
866	8.66	4.87	78.10	5.00	3.90E-007	2.63E-003	17.00	66.09	31.00	33.54	72.75	90.80	0.00	0.00	0.00	0.30	0.00	218.79	-0.07	0.00	0.00	0.00	99.88	2.50	83.30	0.66	18.61	N/A	N/A	N/A	N/A
867	8.67	4.81	76.08	5.00	3.86E-007	2.57E-003	17.00	65.24	31.00	33.47	71.96	89.64	0.00	0.00	0.00	0.30	0.00	217.60	-0.07	0.00	0.00	0.00	99.72	2.51	82.41	0.66	18.57	N/A	N/A	N/A	N/A
868	8.68	4.75	73.91	5.00	3.83E-007	2.52E-003	17.00	64.40	30.00	33.38	71.12	88.41	0.00	0.00	0.00	0.30	0.00	216.31	-0.07	0.00	0.00	0.00	99.53	2.52	81.41	0.66	18.54	N/A	N/A	N/A	N/A
869	8.69	4.66	68.01	5.00	4.09E-007	2.63E-003	16.00	63.14	30.00	33.11	68.91	85.19	0.00	0.00	0.00	0.30	0.00	212.94	-0.06	0.00	0.00	0.00	98.61	2.46	78.21	0.50	18.43	N/A	N/A	N/A	N/A
870	8.70	4.63	64.70	5.00	4.34E-007	2.77E-003	16.00	62.72	30.00	32.93	67.72	83.44	0.00	0.00	0.00	0.30	0.00	211.08	-0.06	0.00	0.00	0.00	98.07	2.42	76.25	0.43	18.37	N/A	N/A	N/A	N/A
871	8.71	4.59	61.04	5.00	4.62E-007	2.93E-003	16.00	62.15	30.00	32.74	66.34	81.44	0.00	0.00	0.00	0.30	0.00	208.93	-0.06	0.00	0.00	0.00	97.45	2.37	74.09	0.36	18.30	N/A	N/A	N/A	N/A
872	8.72	4.52	55.37	5.00	5.12E-007	3.19E-003	16.00	61.17	30.00	32.42	64.10	78.18	0.00	0.00	0.00	0.30	0.00	205.37	-0.05	0.00	0.00	0.00	96.37	2.30	70.71	0.27	18.18	N/A	N/A	N/A	N/A
873	8.73	4.49	53.03	5.00	5.35E-007	3.31E-003	15.00	60.75	30.00	32.28	63.16	76.81	0.00	0.00	0.00	0.30	0.00	203.86	-0.05	0.00	0.00	0.00	95.96	2.27	69.29	0.24	18.13	N/A	N/A	N/A	N/A
874	8.74	4.46	51.20	5.00	5.50E-007	3.38E-003	15.00	60.33	29.00	32.17	62.41	75.71	0.00	0.00	0.00	0.30	0.00	202.63	-0.05	0.00	0.00	0.00	95.67	2.25	68.18	0.22	18.09	N/A	N/A	N/A	N/A
875	8.75	4.43	47.61	5.00	6.03E-007	3.68E-003	15.00	59.90	29.00	31.93	60.94	73.58	0.00	0.00	0.00	0.30	0.00	200.24	-0.04	0.00	0.00	0.00	94.91	2.18	65.88	0.18	18.00	N/A	N/A	N/A	N/A
876	8.76	4.40	46.10	5.00	6.16E-007	3.74E-003	15.00	59.48	29.00	31.83	60.28	72.62	0.00	0.00	0.00	0.30	0.00	199.14	-0.04	0.00	0.00	0.00	94.66	2.17	64.96	0.17	17.96	N/A	N/A	N/A	N/A
877	8.77	4.36	43.79	5.00	6.43E-007	3.86E-003	15.00	58.92	29.00	31.68	59.24	71.13	0.00	0.00	0.00	0.30	0.00	197.43	-0.03	0.00	0.00	0.00	94.20	2.14	63.52	0.15	17.90	N/A	N/A	N/A	N/A
878	8.78	4.35	42.98	5.00	6.55E-007	3.93E-003	15.00	58.78	29.00	31.62	58.91	70.63	0.00	0.00	0.00	0.30	0.00	196.87	-0.03	0.00	0.00	0.00	94.10	2.13	62.98	0.14	17.88	N/A	N/A	N/A	N/A
879	8.79	4.34	41.62	5.00	6.83E-007	4.08E-003	15.00	58.63	29.00	31.52	58.33	69.79	0.00	0.00	0.00	0.30	0.00	195.90	-0.03	0.00	0.00	0.00	93.84	2.10	62.07	0.13	17.84	N/A	N/A	N/A	N/A
880	8.80	4.34	41.02	5.00	6.97E-007	4.17E-003	15.00	58.63	29.00	31.47	58.10	69.45	0.00	0.00	0.00	0.30	0.00	195.52	-0.03	0.00	0.00	0.00	93.77	2.09	61.64	0.13	17.82	N/A	N/A	N/A	N/A
881	8.81	4.36	39.76	5.00	7.48E-007	4.49E-003	15.00	58.91	29.00	31.37	57.64	68.77	0.00	0.00	0.00	0.30	0.00	194.74	-0.03	0.00	0.00	0.00	93.50	2.05	60.70	0.12	17.79	N/A	N/A	N/A	N/A
882	8.82	4.37	39.35	5.00	7.67E-007	4.62E-003	15.00	59.05	29.00	31.33	57.51	68.58	0.00	0.00	0.00	0.30	0.00	194.53	-0.03	0.00	0.00	0.00	93.47	2.03	60.38	0.12	17.78	N/A	N/A	N/A	N/A
883	8.83	4.41	38.56	5.00	8.25E-007	5.01E-003	15.00	59.61	29.00	31.26	57.30	68.25	0.00	0.00	0.00	0.30	0.00	194.17	-0.03	0.00	0.00	0.00	93.31	1.99	59.73	0.11	17.76	N/A	N/A	N/A	N/A
884	8.84	4.45	38.15	5.00	8.72E-007	5.35E-003	15.00	60.16	29.00	31.21	57.25	68.16	0.00	0.00	0.00	0.30	0.00	194.09	-0.03	0.00	0.00	0.00	93.25	1.96	59.36	0.11	17.75	N/A	N/A	N/A	N/A
885	8.85	4.47	37.90	5.00	8.97E-007	5.53E-003	15.00	60.44	29.00	31.19	57.22	68.10	0.00	0.00	0.00	0.30	0.00	194.04	-0.02	0.00	0.00	0.00	93.27	1.94	59.14	0.11	17.74	N/A	N/A	N/A	N/A
886	8.86	4.55	37.46	5.00	9.89E-007	6.21E-003	15.00	61.56	30.00	31.14	57.26	68.12	0.00	0.00	0.00	0.30	0.00	194.11	-0.02	0.00	0.00	0.00	93.19	1.89	58.70	0.10	17.74	N/A	N/A	N/A	N/A
887	8.87	4.60	37.27	5.00	1.05E-006	6.63E-003	15.00	62.26	30.00	31.11	57.34	68.20	0.00	0.00	0.00	0.30	0.00	194.23	-0.02	0.00	0.00	0.00	93.21	1.86	58.50	0.10	17.74	N/A	N/A	N/A	N/A
888	8.88	4.68	36.80	5.00	1.15E-006	7.44E-003	15.00	63.37	30.00	31.07	57.35	68.19	0.00	0.00	0.00	0.30	0.00	194.26	-0.02	0.00	0.00	0.00	93.15	1.82	58.11	0.10	17.73	N/A	N/A	N/A	N/A
889	8.89	4.71	36.64	5.00	1.19E-006	7.74E-003	15.00	63.79	30.00	31.05	57.38	68.22	0.00	0.00	0.00	0.30	0.00	194.31	-0.02	0.00	0.00	0.00	93.20	1.80	57.98	0.10	17.72	N/A	N/A	N/A	N/A
890	8.90	4.70	36.61	5.00	1.18E-006	7.64E-003	15.00	63.65	30.00	31.05	57.37	68.20	0.00	0.00	0.00	0.30	0.00	194.29	-0.02	0.00	0.00	0.00	93.29	1.81	57.95	0.10	17.72	N/A	N/A	N/A	N/A
891	8.91	4.70	36.61	5.00	1.17E-006	7.62E-003	15.00	63.65	30.00	31.04	57.40	68.23	0.00	0.00	0.00	0.30	0.00	194.33	-0.02	0.00	0.00	0.00	93.39	1.81	57.93	0.10	17.72	N/A	N/A	N/A	N/A
892	8.92	4.70	36.61	5.00	1.17E-006	7.59E-003	15.00	63.64	30.00	31.04	57.43	68.26	0.00	0.00	0.00	0.30	0.00	194.38	-0.02	0.00	0.00	0.00	93.49	1.81	57.91	0.10	17.72	N/A	N/A	N/A	N/A
893	8.93	4.34	30.43	5.00	1.09E-006	6.49E-003	14.00	58.61	29.00	30.59	53.60	62.84	0.00	0.00	0.00	0.30	0.00	187.79	-0.01	0.00	0.00	0.00	91.93	1.84	54.25	0.07	17.48	N/A	N/A	N/A	N/A
894	8.94	4.31	30.58	5.00	1.04E-006	6.18E-003	14.00	58.18	29.00	30.61	53.62	62.87	0.00	0.00	0.00	0.30	0.00	187.83	-0.01	0.00	0.00	0.00	92.09	1.87	54.36	0.07	17.48	N/A	N/A	N/A	N/A
895	8.95	4.29	30.55	5.00	1.02E-006	6.01E-003	14.00	57.90	29.00	30.61	53.58	62.81	0.00	0.00	0.00	0.30	0.00	187.75	-0.01	0.00	0.00	0.00	92.19	1.88	54.35	0.07	17.48	N/A	N/A	N/A	N/A
896	8.96	4.28	30.77	5.00	9.94E-007	5.85E-003	14.00	57.76	29.00	30.62	53.68	62.96	0.00	0.00	0.00	0.30	0.00	187.94	-0.01	0.00	0.00	0.00	92.36	1.89	54.50	0.07	17.49	N/A	N/A	N/A	N/A
897	8.97	4.30	30.84	5.00	1.01E-006	5.97E-003	14.00	58.04	29.00	30.63	53.80	63.11	0.00	0.00	0.00	0.30	0.00	188.14	-0.01	0.00	0.00	0.00	92.47	1.88	54.51	0.07	17.49	N/A	N/A	N/A	N/A
898	8.98	4.33	30.99	5.00	1.03E-006	6.14E-003	14.00	58.45	29.00	30.63	53.97	63.35	0.00	0.00	0.00	0.30	0.00	188.45	-0.01	0.00	0.00	0.00	92.60	1.87	54.56	0.07	17.50	N/A	N/A	N/A	N/A
899	8.99	4.36	30.96	5.00	1.06E-006	6.37E-003	14.00	58.87	29.00	30.62	54.06	63.46	0.00	0.00	0.00	0.30	0.00	188.60	-0.01	0.00	0.00	0.00	92.67	1.86	54.49	0.07	17.50	N/A	N/A	N/A	N/A
900	9.00	4.42	30.96	5.00	1.13E-006	6.86E-003	14.00	59.71	29.00	30.61	54.25	63.69	0.00	0.00	0.00	0.30	0.00	188.92	-0.01	0.00	0.00	0.00	92.74	1.83	54.42	0.07	17.51	N/A	N/A	N/A	N/A
901	9.01	4.46	31.06	5.00	1.17E-006	7.16E-003	14.00	60.27	29.00	30.62	54.42	63.93	0.00	0.00	0.00	0.30	0.00	189.23	-0.01	0.00	0.00	0.00	92.86	1.81	54.45	0.07	17.51	N/A	N/A	N/A	N/A
902	9.02	4.58	31.18	5.00	1.30E-006	8.23E-003	15.00	61.94	30.00	30.62	54.81	64.44	0.00	0.00	0.00	0.30	0.00	189.91	-0.01	0.00	0.00	0.00	92.97	1.76	54.47	0.07	17.53	N/A	N/A	N/A	N/A
903	9.03	4.65	31.34	5.00	1.38E-006	8.86E-003	15.00	62.92	30.00	30.63	55.09	64.81	0.00	0.00	0.00	0.30	0.00	190.39	-0.01	0.00	0.00	0.00	93.12	1.73	54.56	0.07	17.54	N/A	N/A	N/A	N/A
904	9.04	4.80	32.48	5.00	1.51E-006	9.99E-003	15.00	65.02	30.00	30.72	56.05	66.13	0.00	0.00	0.00	0.30	0.00	192.03	-0.02	0.00	0.00	0.00	93.55	1.70	55.27	0.08	17.59	N/A	N/A	N/A	N/A
905	9.05	4.87	33.11	5.00	1.56E-006	1.05E-002	15.00	66.00	31.00	30.77	56.55	66.83	0.00	0.00	0.00	0.30	0.00	192.89	-0.02	0.00	0.00	0.00	93.83	1.68	55.65	0.08	17.62	N/A	N/A	N/A	N/A
906	9.06	5.12	34.90	5.00	1.80E-006	1.27E-002	16.00	69.49	32.00	30.92	58.03	68.89	0.00	0.00	0.00	0.30	0.00	195.39	-0.02	0.00	0.00	0.00	94.49	1.63	56.86	0.09	17.70	N/A	N/A	N/A	N/A
907	9.07	5.44	36.51	5.00	2.20E-006	1.67E-002	16.00	74.63	33.00	31.08	59.55	70.99	0.00	0.00	0.00	0.30	0.00	197.94	-0.02	0.00	0.00	0.00	95.20	1.56	58.21	0.10	17.78	N/A	N/A	N/A	N/A
908	9.08	5.64	36.98	5.00	2.53E-006	1.95E-002	17.00	75.50	33.00	31.16	60.24	71.93	0.00	0.00	0.00	0.30	0.00	199.08	-0.02	0.00	0.00	0.00	95.62	1.52	58.92	0.10	17.80	N/A	N/A	N/A	N/A
909	9.09	5.86	37.43	5.00	2.95E-006	2.30E-002	17.00	76.39	34.00	31.26	60.95	72.90	0.00	0.00	0.00	0.30	0.00	200.26	-0.03	0.00	0.00	0.00	96.12	1.48	59.80	0.11	17.83	N/A	N/A	N/A	N/A
910	9.10	6.08	38.02	5.00	3.39E-006	2.68E-002	18.00	77.35	35.00	31.38	61.72	73.95	0.00	0.00	0.00	0.30	0.00	201.51	-0.03	0.00	0.00	0.00	96.67	1.44	60.84	0.12	17.87	N/A	N/A	N/A	N/A
911	9.11	6.52	39.63	5.00	4.35E-006	3.52E-002	18.00	79.44	36.00	31.66	63.39	76.27	0.00	0.00	0.00	0.30	0.00	204.22	-0.03	0.00	0.00	0.00	97.85	1.39	63.36	0.15	17.94	N/A	N/A	N/A	N/A
912	9.12	6.88	42.28	6.00	4.99E-006	4.17E-002	19.00	81.87	37.00	31.94	65.32	79.01	0.00	0.00	0.00	0.30	0.00	207.31	-0.04	0.00	0.00	0.00	99.02	1.37	65.95	0.18	18.03	N/A	N/A	N/A	N/A
913	9.13	7.08	43.79	6.00	5.36E-006	4.55E-002	20.00	83.23	38.00	32.09	66.41	80.55	0.00	0.00	0.00	0.30	0.00	209.03	-0.04	0.00	0.00	0.00	99.71	1.36	67.41	0.21	18.09	N/A	N/A	N/A	N/A
914	9.14	7.44	46.63	6.00	6.04E-006	5.28E-002	20.00	85.67	39.00	32.36	68.36	83.34	0.00	0.00	0.00	0.30	0.00	212.07	-0.05	0.00	0.00	0.00	100.88	1.34	70.12	0.26	18.18	N/A	N/A	N/A	N/A
915	9.15	7.44	46.63	6.00	6.03E-006	5.27E-002	20.00	85.71	39.00	32.35	68.39	83.37	0.00	0.00	0.00	0.30	0.00	212.12	-0.05	0.00	0.00	0.00	100.98	1.34	70.08	0.26	18.18	N/A	N/A	N/A	N/A
916	9.16	7.72	49.31	6.00	6.49E-006	5.81E-002	21.00	87.83	39.00	32.57	70.08	85.81	0.00	0.00	0.00	0.30	0.00	214.73	-0.05	0.00	0.00	0.00	101.93	1.33	72.29	0.31	18.26	N/A	N/A	N/A	N/A
917	9.17	7.75	50.26	6.00	6.38E-006	5.75E-002	21.00	88.45	39.00	32.60	70.57	86.52	0.00	0.00	0.00	0.30	0.00	215.48	-0.05	0.00	0.00	0.00	102.17	1.33	72.61	0.32	18.28	N/A	N/A	N/A	N/A
918	9.18	7.57	52.18	6.00	5.37E-006	4.87E-002	21.00	89.09	39.00	32.53	71.08	87.31	0.00	0.00	0.00	0.30	0.00	216.26	-0.05	0.00	0.00	0.00	102.00	1.36	71.85	0.30	18.31	N/A	N/A	N/A	N/A
919	9.19	7.38	53.16	6.00	4.62E-006	4.20E-002	21.00	89.19	38.00	32.44	71.17	87.46	0.00	0.00	0.00	0.30	0.00	216.39	-0.05	0.00	0.00	0.00	101.78	1.38	70.97	0.28	18.32	N/A	N/A	N/A	N/A
920	9.20	6.84	53.54	5.00	3.21E-006	2.89E-002	20.00	88.12	37.00	32.20	70.31	86.31	0.00	0.00	0.00	0.30	0.00	215.07	-0.05	0.00	0.00	0.00	100.95	1.46	68.53	0.23	18.30	N/A	N/A	N/A	N/A
921	9.21	6.52	53.66	5.00	2.56E-006	2.28E-002	19.00	87.40	36.00	32.09	69.73	85.53	0.00	0.00	0.00	0.30	0.00	214.20	-0.04	0.00	0.00	0.00	100.64	1.52	67.43	0.21	18.29	N/A	N/A	N/A	N/A
922	9.22	5.85	53.66	5.00	1.55E-006	1.26E-002	18.00	79.68	33.00	31.96	68.31	83.60	0.00	0.00	0.00	0.30	0.00	212.00	-0.04	0.00	0.00	0.00	100.25	1.69	66.19	0.19	18.25	N/A	N/A	N/A	N/A
923	9.23	5.55	53.51	5.00	1.22E-006	9.39E-003	18.00	75.47	32.00	31.95	67.59	82.61	0.00	0.00	0.00	0.30	0.00	210.88	-0.04	0.00	0.00	0.00	100.32	1.79	66.08	0.18	18.22	N/A	N/A	N/A	N/A
924	9.24	5.02	52.91	5.00	7.80E-007	5.41E-003	17.00	68.05	31.00	32.00	66.08	80.54	0.00	0.00	0.00	0.30	0.00	208.52	-0.04	0.00	0.00	0.00	100.62	2.02	66.54	0.19	18.17	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
925	9.25	4.79	52.62	5.00	6.32E-007	4.17E-003	16.00	64.83	30.00	32.05	65.40	79.60	0.00	0.00	0.00	0.30	0.00	207.44	-0.04	0.00	0.00	0.00	100.94	2.15	67.05	0.20	18.15	N/A	N/A	N/A	N/A
926	9.26	4.58	52.72	5.00	5.09E-007	3.21E-003	16.00	61.88	29.00	32.14	64.92	78.95	0.00	0.00	0.00	0.30	0.00	206.67	-0.04	0.00	0.00	0.00	101.40	2.30	67.91	0.21	18.13	N/A	N/A	N/A	N/A
927	9.27	4.24	52.43	5.00	3.58E-007	2.08E-003	15.00	57.12	28.00	32.29	63.87	77.52	0.00	0.00	0.00	0.30	0.00	205.00	-0.05	0.00	0.00	0.00	102.11	2.57	69.42	0.24	18.10	N/A	N/A	N/A	N/A
928	9.28	4.11	52.28	5.00	3.10E-007	1.75E-003	15.00	55.30	27.00	32.35	63.46	76.96	0.00	0.00	0.00	0.30	0.00	204.33	-0.05	0.00	0.00	0.00	102.48	2.69	70.07	0.26	18.08	N/A	N/A	N/A	N/A
929	9.29	3.91	51.90	5.00	2.48E-007	1.33E-003	14.00	52.50	26.00	32.45	62.73	75.96	0.00	0.00	0.00	0.30	0.00	203.16	-0.05	0.00	0.00	0.00	102.98	2.90	71.09	0.28	18.05	N/A	N/A	N/A	N/A
930	9.30	3.85	52.02	5.00	2.29E-007	1.20E-003	14.00	51.65	26.00	32.50	62.62	75.81	0.00	0.00	0.00	0.30	0.00	202.98	-0.05	0.00	0.00	0.00	103.29	2.98	71.59	0.29	18.05	N/A	N/A	N/A	N/A
931	9.31	3.83	52.02	5.00	2.23E-007	1.17E-003	14.00	51.37	26.00	32.51	62.59	75.76	0.00	0.00	0.00	0.30	0.00	202.93	-0.05	0.00	0.00	0.00	103.45	3.00	71.72	0.29	18.05	N/A	N/A	N/A	N/A
932	9.32	3.90	52.69	5.00	2.36E-007	1.26E-003	14.00	52.35	26.00	32.51	63.10	76.47	0.00	0.00	0.00	0.30	0.00	203.76	-0.05	0.00	0.00	0.00	103.57	2.95	71.71	0.29	18.07	N/A	N/A	N/A	N/A
933	9.33	3.99	52.72	5.00	2.62E-007	1.43E-003	15.00	53.61	27.00	32.45	63.42	76.90	0.00	0.00	0.00	0.30	0.00	204.27	-0.05	0.00	0.00	0.00	103.45	2.85	71.10	0.28	18.08	N/A	N/A	N/A	N/A
934	9.34	4.40	51.93	5.00	4.24E-007	2.56E-003	15.00	59.34	28.00	32.16	64.35	78.12	0.00	0.00	0.00	0.30	0.00	205.76	-0.04	0.00	0.00	0.00	102.39	2.44	68.13	0.22	18.10	N/A	N/A	N/A	N/A
935	9.35	4.70	51.24	5.00	5.89E-007	3.82E-003	16.00	63.54	29.00	31.98	64.92	78.85	0.00	0.00	0.00	0.30	0.00	206.67	-0.04	0.00	0.00	0.00	101.79	2.20	66.36	0.19	18.11	N/A	N/A	N/A	N/A
936	9.36	5.07	50.67	5.00	8.52E-007	5.97E-003	17.00	68.72	31.00	31.83	65.67	79.84	0.00	0.00	0.00	0.30	0.00	207.87	-0.04	0.00	0.00	0.00	101.31	1.97	64.92	0.17	18.13	N/A	N/A	N/A	N/A
937	9.37	5.80	50.48	5.00	1.59E-006	1.28E-002	18.00	78.94	33.00	31.77	67.36	82.10	0.00	0.00	0.00	0.30	0.00	210.52	-0.04	0.00	0.00	0.00	101.17	1.68	64.33	0.16	18.17	N/A	N/A	N/A	N/A
938	9.38	6.10	51.20	5.00	1.96E-006	1.71E-002	19.00	85.66	34.00	31.84	68.35	83.47	0.00	0.00	0.00	0.30	0.00	212.06	-0.04	0.00	0.00	0.00	101.56	1.60	64.99	0.17	18.21	N/A	N/A	N/A	N/A
939	9.39	6.56	52.62	5.00	2.60E-006	2.33E-002	20.00	87.65	35.00	32.00	69.93	85.69	0.00	0.00	0.00	0.30	0.00	214.51	-0.04	0.00	0.00	0.00	102.34	1.51	66.59	0.19	18.27	N/A	N/A	N/A	N/A
940	9.40	6.72	53.57	5.00	2.81E-006	2.54E-002	20.00	88.59	36.00	32.08	70.68	86.74	0.00	0.00	0.00	0.30	0.00	215.65	-0.04	0.00	0.00	0.00	102.78	1.49	67.38	0.21	18.30	N/A	N/A	N/A	N/A
941	9.41	6.98	56.12	5.00	3.08E-006	2.85E-002	20.00	90.59	37.00	32.25	72.28	89.03	0.00	0.00	0.00	0.30	0.00	218.07	-0.05	0.00	0.00	0.00	103.57	1.47	69.06	0.24	18.37	N/A	N/A	N/A	N/A
942	9.42	7.06	56.72	5.00	3.18E-006	2.96E-002	21.00	91.13	37.00	32.30	72.71	89.64	0.00	0.00	0.00	0.30	0.00	218.72	-0.05	0.00	0.00	0.00	103.86	1.46	69.50	0.24	18.38	N/A	N/A	N/A	N/A
943	9.43	7.15	56.88	5.00	3.35E-006	3.12E-002	21.00	91.47	37.00	32.33	72.98	90.02	0.00	0.00	0.00	0.30	0.00	219.13	-0.05	0.00	0.00	0.00	104.12	1.45	69.86	0.25	18.39	N/A	N/A	N/A	N/A
944	9.44	7.18	56.34	5.00	3.46E-006	3.22E-002	21.00	91.30	37.00	32.33	72.85	89.81	0.00	0.00	0.00	0.30	0.00	218.93	-0.05	0.00	0.00	0.00	104.21	1.44	69.79	0.25	18.38	N/A	N/A	N/A	N/A
945	9.45	7.15	55.59	5.00	3.47E-006	3.21E-002	21.00	90.89	37.00	32.29	72.52	89.32	0.00	0.00	0.00	0.30	0.00	218.43	-0.05	0.00	0.00	0.00	104.18	1.44	69.42	0.24	18.36	N/A	N/A	N/A	N/A
946	9.46	7.11	55.52	5.00	3.38E-006	3.13E-002	21.00	90.79	37.00	32.27	72.44	89.21	0.00	0.00	0.00	0.30	0.00	218.32	-0.05	0.00	0.00	0.00	104.20	1.45	69.20	0.24	18.36	N/A	N/A	N/A	N/A
947	9.47	7.05	55.62	5.00	3.23E-006	2.99E-002	21.00	90.74	37.00	32.24	72.40	89.15	0.00	0.00	0.00	0.30	0.00	218.25	-0.05	0.00	0.00	0.00	104.22	1.46	68.95	0.23	18.36	N/A	N/A	N/A	N/A
948	9.48	6.93	55.21	5.00	3.02E-006	2.78E-002	20.00	90.27	36.00	32.18	72.02	88.61	0.00	0.00	0.00	0.30	0.00	217.69	-0.05	0.00	0.00	0.00	104.09	1.47	68.34	0.22	18.34	N/A	N/A	N/A	N/A
949	9.49	6.89	55.08	5.00	2.94E-006	2.70E-002	20.00	90.14	36.00	32.16	71.92	88.46	0.00	0.00	0.00	0.30	0.00	217.53	-0.04	0.00	0.00	0.00	104.12	1.48	68.12	0.22	18.34	N/A	N/A	N/A	N/A
950	9.50	6.76	54.17	5.00	2.77E-006	2.52E-002	20.00	89.39	36.00	32.08	71.32	87.60	0.00	0.00	0.00	0.30	0.00	216.62	-0.04	0.00	0.00	0.00	103.92	1.50	67.36	0.21	18.31	N/A	N/A	N/A	N/A
951	9.51	6.69	53.51	5.00	2.69E-006	2.43E-002	20.00	88.91	36.00	32.03	70.94	87.04	0.00	0.00	0.00	0.30	0.00	216.04	-0.04	0.00	0.00	0.00	103.84	1.50	66.88	0.20	18.29	N/A	N/A	N/A	N/A
952	9.52	6.63	53.03	5.00	2.61E-006	2.36E-002	20.00	88.54	35.00	31.99	70.65	86.62	0.00	0.00	0.00	0.30	0.00	215.60	-0.04	0.00	0.00	0.00	103.79	1.51	66.50	0.19	18.28	N/A	N/A	N/A	N/A
953	9.53	6.48	52.15	5.00	2.41E-006	2.16E-002	19.00	87.74	35.00	31.91	70.00	85.70	0.00	0.00	0.00	0.30	0.00	214.61	-0.04	0.00	0.00	0.00	103.59	1.53	65.74	0.18	18.25	N/A	N/A	N/A	N/A
954	9.54	6.40	51.77	5.00	2.30E-006	2.05E-002	19.00	87.37	35.00	31.88	69.71	85.28	0.00	0.00	0.00	0.30	0.00	214.16	-0.04	0.00	0.00	0.00	103.54	1.55	65.37	0.17	18.24	N/A	N/A	N/A	N/A
955	9.55	6.22	52.97	5.00	1.93E-006	1.72E-002	19.00	87.56	34.00	31.88	69.86	85.53	0.00	0.00	0.00	0.30	0.00	214.39	-0.04	0.00	0.00	0.00	103.68	1.60	65.43	0.18	18.26	N/A	N/A	N/A	N/A
956	9.56	6.12	54.14	5.00	1.72E-006	1.46E-002	19.00	83.37	34.00	31.92	70.15	85.98	0.00	0.00	0.00	0.30	0.00	214.84	-0.04	0.00	0.00	0.00	103.93	1.65	65.75	0.18	18.27	N/A	N/A	N/A	N/A
957	9.57	5.94	55.90	5.00	1.41E-006	1.17E-002	19.00	80.85	33.00	31.98	70.50	86.53	0.00	0.00	0.00	0.30	0.00	215.38	-0.04	0.00	0.00	0.00	104.31	1.72	66.37	0.19	18.30	N/A	N/A	N/A	N/A
958	9.58	5.85	56.31	5.00	1.30E-006	1.05E-002	19.00	79.59	33.00	32.00	70.49	86.53	0.00	0.00	0.00	0.30	0.00	215.36	-0.04	0.00	0.00	0.00	104.49	1.76	66.54	0.19	18.30	N/A	N/A	N/A	N/A
959	9.59	5.75	56.69	5.00	1.18E-006	9.40E-003	18.00	78.18	33.00	32.02	70.45	86.48	0.00	0.00	0.00	0.30	0.00	215.30	-0.04	0.00	0.00	0.00	104.69	1.80	66.74	0.19	18.30	N/A	N/A	N/A	N/A
960	9.60	5.56	57.54	5.00	9.80E-007	7.54E-003	18.00	75.52	32.00	32.08	70.37	86.41	0.00	0.00	0.00	0.30	0.00	215.18	-0.04	0.00	0.00	0.00	105.06	1.90	67.34	0.20	18.31	N/A	N/A	N/A	N/A
961	9.61	5.48	57.57	5.00	9.12E-007	6.92E-003	18.00	74.40	32.00	32.09	70.23	86.20	0.00	0.00	0.00	0.30	0.00	214.95	-0.04	0.00	0.00	0.00	105.22	1.93	67.46	0.21	18.30	N/A	N/A	N/A	N/A
962	9.62	5.30	56.63	5.00	8.02E-007	5.87E-003	18.00	71.88	31.00	32.08	69.45	85.10	0.00	0.00	0.00	0.30	0.00	213.76	-0.04	0.00	0.00	0.00	105.27	2.01	67.31	0.20	18.27	N/A	N/A	N/A	N/A
963	9.63	5.21	55.90	5.00	7.55E-007	5.44E-003	17.00	70.61	31.00	32.06	68.97	84.42	0.00	0.00	0.00	0.30	0.00	213.02	-0.04	0.00	0.00	0.00	105.30	2.04	67.10	0.20	18.25	N/A	N/A	N/A	N/A
964	9.64	5.01	54.36	5.00	6.59E-007	4.56E-003	17.00	67.81	30.00	32.02	67.88	82.87	0.00	0.00	0.00	0.30	0.00	211.34	-0.04	0.00	0.00	0.00	105.28	2.13	66.77	0.20	18.20	N/A	N/A	N/A	N/A
965	9.65	4.89	53.76	5.00	5.99E-007	4.03E-003	17.00	66.13	30.00	32.02	67.37	82.14	0.00	0.00	0.00	0.30	0.00	210.53	-0.04	0.00	0.00	0.00	105.40	2.19	66.79	0.20	18.18	N/A	N/A	N/A	N/A
966	9.66	4.63	52.06	5.00	4.89E-007	3.12E-003	16.00	62.49	29.00	32.02	66.02	80.25	0.00	0.00	0.00	0.30	0.00	208.42	-0.04	0.00	0.00	0.00	105.49	2.33	66.73	0.19	18.12	N/A	N/A	N/A	N/A
967	9.67	4.50	51.02	5.00	4.42E-007	2.73E-003	16.00	60.66	28.00	32.01	65.28	79.19	0.00	0.00	0.00	0.30	0.00	207.24	-0.04	0.00	0.00	0.00	105.55	2.40	66.63	0.19	18.09	N/A	N/A	N/A	N/A
968	9.68	4.36	50.48	5.00	3.87E-007	2.31E-003	15.00	58.70	28.00	32.04	64.71	78.40	0.00	0.00	0.00	0.30	0.00	206.34	-0.04	0.00	0.00	0.00	105.80	2.51	66.93	0.20	18.06	N/A	N/A	N/A	N/A
969	9.69	4.12	48.71	5.00	3.15E-007	1.77E-003	15.00	55.34	27.00	32.04	63.33	76.46	0.00	0.00	0.00	0.30	0.00	204.12	-0.04	0.00	0.00	0.00	105.94	2.68	67.00	0.20	18.00	N/A	N/A	N/A	N/A
970	9.70	4.03	47.74	5.00	2.93E-007	1.61E-003	15.00	54.07	26.00	32.03	62.69	75.55	0.00	0.00	0.00	0.30	0.00	203.09	-0.04	0.00	0.00	0.00	105.97	2.74	66.82	0.20	17.97	N/A	N/A	N/A	N/A
971	9.71	3.89	45.28	5.00	2.71E-007	1.44E-003	14.00	52.11	26.00	31.93	61.27	73.54	0.00	0.00	0.00	0.30	0.00	200.78	-0.04	0.00	0.00	0.00	105.67	2.82	65.84	0.18	17.89	N/A	N/A	N/A	N/A
972	9.72	3.84	44.24	5.00	2.65E-007	1.39E-003	14.00	51.41	26.00	31.87	60.71	72.73	0.00	0.00	0.00	0.30	0.00	199.85	-0.04	0.00	0.00	0.00	105.57	2.84	65.36	0.17	17.86	N/A	N/A	N/A	N/A
973	9.73	3.80	41.78	5.00	2.77E-007	1.44E-003	14.00	50.85	26.00	31.70	59.55	71.07	0.00	0.00	0.00	0.30	0.00	197.94	-0.04	0.00	0.00	0.00	104.96	2.80	63.70	0.15	17.79	N/A	N/A	N/A	N/A
974	9.74	3.81	40.20	5.00	2.98E-007	1.55E-003	14.00	50.98	26.00	31.56	58.91	70.13	0.00	0.00	0.00	0.30	0.00	196.87	-0.03	0.00	0.00	0.00	104.49	2.73	62.41	0.14	17.75	N/A	N/A	N/A	N/A
975	9.75	3.84	38.78	5.00	3.28E-007	1.72E-003	14.00	51.40	26.00	31.41	58.39	69.36	0.00	0.00	0.00	0.30	0.00	196.00	-0.03	0.00	0.00	0.00	104.01	2.65	61.12	0.12	17.71	N/A	N/A	N/A	N/A
976	9.76	3.97	36.07	5.00	4.31E-007	2.34E-003	14.00	53.22	26.00	31.10	57.53	68.07	0.00	0.00	0.00	0.30	0.00	194.55	-0.02	0.00	0.00	0.00	102.83	2.42	58.38	0.10	17.64	N/A	N/A	N/A	N/A
977	9.77	4.06	35.41	5.00	4.92E-007	2.73E-003	14.00	54.48	27.00	30.99	57.50	67.98	0.00	0.00	0.00	0.30	0.00	194.50	-0.02	0.00	0.00	0.00	102.51	2.32	57.48	0.09	17.63	N/A	N/A	N/A	N/A
978	9.78	4.34	34.59	5.00	6.96E-007	4.14E-003	15.00	58.40	28.00	30.80	57.89	68.44	0.00	0.00	0.00	0.30	0.00	195.16	-0.02	0.00	0.00	0.00	101.86	2.09	55.95	0.08	17.63	N/A	N/A	N/A	N/A
979	9.79	4.52	34.75	5.00	8.32E-007	5.17E-003	15.00	60.91	28.00	30.77	58.46	69.20	0.00	0.00	0.00	0.30	0.00	196.13	-0.02	0.00	0.00	0.00	101.81	1.99	55.63	0.08	17.65	N/A	N/A	N/A	N/A
980	9.80	4.91	36.64	5.00	1.12E-006	7.57E-003	16.00	66.37	30.00	30.85	60.37	71.84	0.00	0.00	0.00	0.30	0.00	199.31	-0.02	0.00	0.00	0.00	102.24	1.83	56.29	0.08	17.74	N/A	N/A	N/A	N/A
981	9.81	5.11	38.09	5.00	1.26E-006	8.90E-003	16.00	69.17	30.00	30.93	61.57	73.51	0.00	0.00	0.00	0.30	0.00	201.27	-0.02	0.00	0.00	0.00	102.70	1.77	57.01	0.09	17.80	N/A	N/A	N/A	N/A
982	9.82	5.31	40.01	5.00	1.39E-006	1.02E-002	17.00	71.97	31.00	31.06	62.96	75.47	0.00	0.00	0.00	0.30	0.00	203.53	-0.02	0.00	0.00	0.00	103.30	1.73	58.02	0.10	17.87	N/A	N/A	N/A	N/A
983	9.83	5.64	45.34	5.00	1.49E-006	1.16E-002	18.00	76.59	32.00	31.37	66.16	80.04	0.00	0.00	0.00	0.30	0.00	208.63	-0.03	0.00	0.00	0.00	104.72	1.70	60.77	0.12	18.04	N/A	N/A	N/A	N/A
984	9.84	5.77	47.86	5.00	1.51E-006	1.20E-002	18.00	78.40	32.00	31.51	67.58	82.09	0.00	0.00	0.00	0.30	0.00	210.87	-0.03	0.00	0.00	0.00	105.40	1.70	62.00	0.13	18.11	N/A	N/A	N/A	N/A
985	9.85	6.06	52.09	5.00	1.63E-006	1.37E-002	19.00	82.46	33.00	31.74	70.05	85.63	0.00	0.00	0.00	0.30	0.00	214.69	-0.04	0.00	0.00	0.00	106.45	1.67	64.08	0.16	18.23	N/A	N/A	N/A	N/A
986	9.86	6.20	53.54	5.00	1.73E-006	1.49E-002	19.00	84.42	34.00	31.82	70.99	86.97	0.00	0.00	0.00	0.30	0.00	216.12	-0.04	0.00	0.00	0.00	106.89	1.64	64.82	0.17	18.27	N/A	N/A	N/A	N/A
987	9.87	6.49	53.76	5.00	2.12E-006	1.94E-002	20.00	89.89	34.00	31.87	71.72	87.98	0.00	0.00	0.00	0.30	0.00	217.23	-0.04	0.00	0.00	0.00	107.23	1.57	65.34	0.17	18.29	N/A	N/A	N/A	N/A
988	9.88	6.66	53.44	5.00	2.40E-006	2.21E-002	20.00	90.20	35.00	31.90	71.97	88.29	0.00	0.00	0.00	0.30	0.00	217.60	-0.04	0.00	0.00	0.00	107.46	1.53	65.59	0.18	18.29	N/A	N/A	N/A	N/A
989	9.89	6.94	52.50	5.00	2.99E-006	2.76E-002	20.00	90.43	36.00	31.95	72.15	88.49	0.00	0.00	0.00	0.30	0.00	217.88	-0.04	0.00	0.00	0.00	107.80	1.47	66.12	0.19	18.29	N/A	N/A	N/A	N/A
990	9.90	7.08	51.61	5.00	3.37E-006	3.11E-002	21.00	90.33	36.00	31.98	72.07	88.34	0.00	0.00	0.00	0.30	0.00	217.76	-0.04	0.00	0.00	0.00	108.01	1.45	66.35	0.19	18.27	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
991	9.91	7.08	51.61	5.00	3.36E-006	3.10E-002	21.00	90.37	36.00	31.97	72.10	88.37	0.00	0.00	0.00	0.30	0.00	217.81	-0.04	0.00	0.00	0.00	108.11	1.45	66.31	0.19	18.27	N/A	N/A	N/A	N/A
992	9.92	7.08	51.61	5.00	3.36E-006	3.09E-002	21.00	90.41	36.00	31.97	72.13	88.41	0.00	0.00	0.00	0.30	0.00	217.85	-0.04	0.00	0.00	0.00	108.21	1.45	66.27	0.19	18.27	N/A	N/A	N/A	N/A
993	9.93	7.35	31.78	6.00	8.54E-006	6.91E-002	20.00	79.33	37.00	31.66	63.30	75.27	0.00	0.00	0.00	0.30	0.00	204.07	-0.03	0.00	0.00	0.00	107.03	1.30	63.37	0.15	17.73	N/A	N/A	N/A	N/A
994	9.94	7.45	30.87	6.00	9.44E-006	7.60E-002	20.00	78.99	38.00	31.72	63.02	74.83	0.00	0.00	0.00	0.30	0.00	203.63	-0.04	0.00	0.00	0.00	107.36	1.29	63.87	0.15	17.70	N/A	N/A	N/A	N/A
995	9.95	7.47	30.68	6.00	9.62E-006	7.74E-002	20.00	78.94	38.00	31.72	62.98	74.75	0.00	0.00	0.00	0.30	0.00	203.56	-0.04	0.00	0.00	0.00	107.50	1.28	63.93	0.16	17.70	N/A	N/A	N/A	N/A
996	9.96	7.43	29.76	6.00	9.78E-006	7.80E-002	20.00	78.27	38.00	31.67	62.45	73.97	0.00	0.00	0.00	0.30	0.00	202.70	-0.03	0.00	0.00	0.00	107.40	1.28	63.48	0.15	17.66	N/A	N/A	N/A	N/A
997	9.97	7.25	29.48	6.00	8.85E-006	7.01E-002	19.00	77.71	37.00	31.53	62.00	73.36	0.00	0.00	0.00	0.30	0.00	201.98	-0.03	0.00	0.00	0.00	106.92	1.29	62.18	0.13	17.64	N/A	N/A	N/A	N/A
998	9.98	7.14	29.48	6.00	8.24E-006	6.51E-002	19.00	77.50	37.00	31.45	61.83	73.13	0.00	0.00	0.00	0.30	0.00	201.70	-0.03	0.00	0.00	0.00	106.66	1.30	61.40	0.13	17.63	N/A	N/A	N/A	N/A
999	9.99	6.78	30.30	6.00	6.26E-006	4.93E-002	19.00	77.24	36.00	31.20	61.63	72.94	0.00	0.00	0.00	0.30	0.00	201.37	-0.02	0.00	0.00	0.00	105.74	1.34	59.23	0.11	17.65	N/A	N/A	N/A	N/A
1000	10.00	5.43	33.36	5.00	1.96E-006	1.51E-002	17.00	75.83	31.00	30.63	60.50	71.71	0.00	0.00	0.00	0.30	0.00	199.52	-0.01	0.00	0.00	0.00	103.48	1.60	54.52	0.07	17.67	N/A	N/A	N/A	N/A

GeoDeep
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55054 - Massarosa
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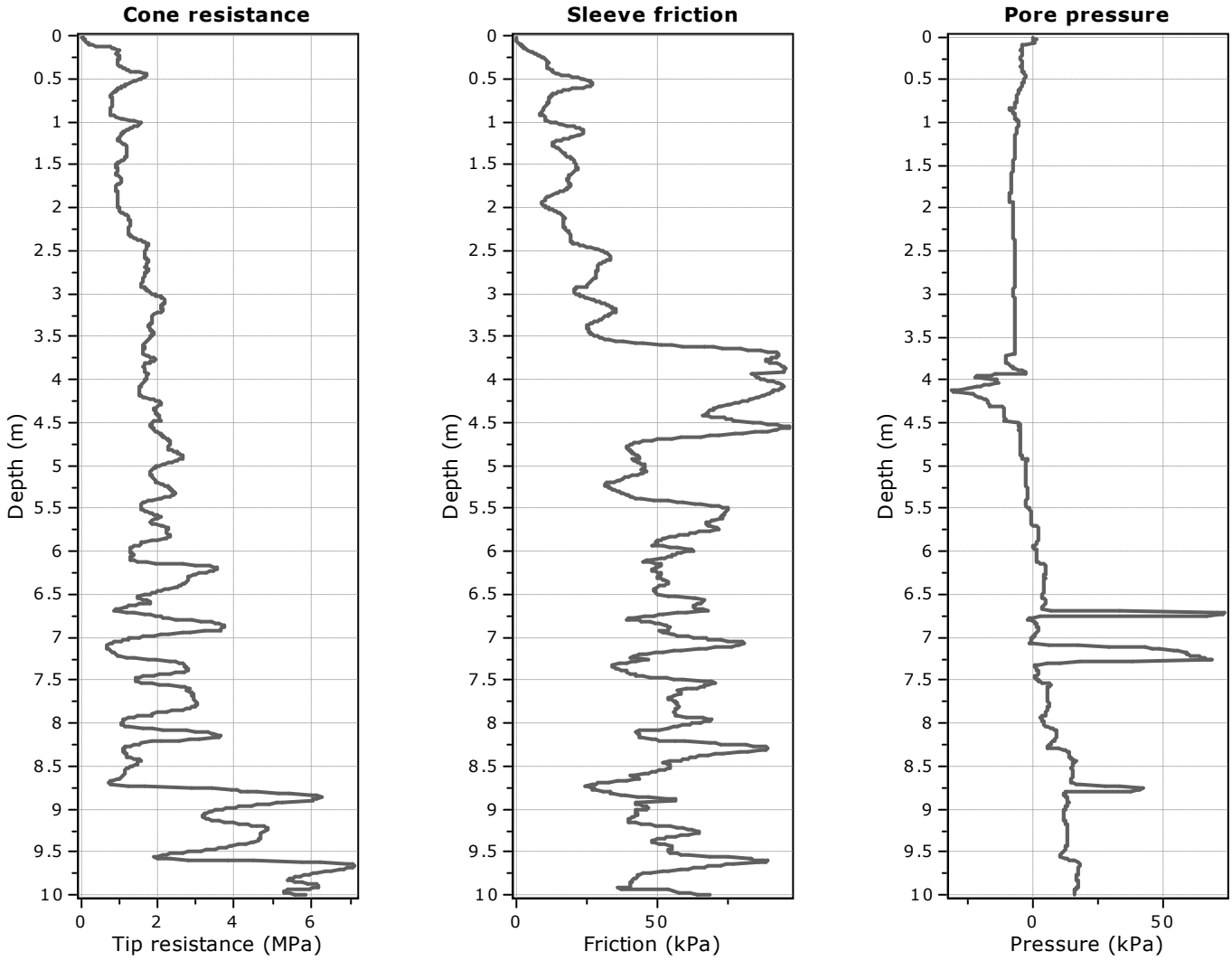
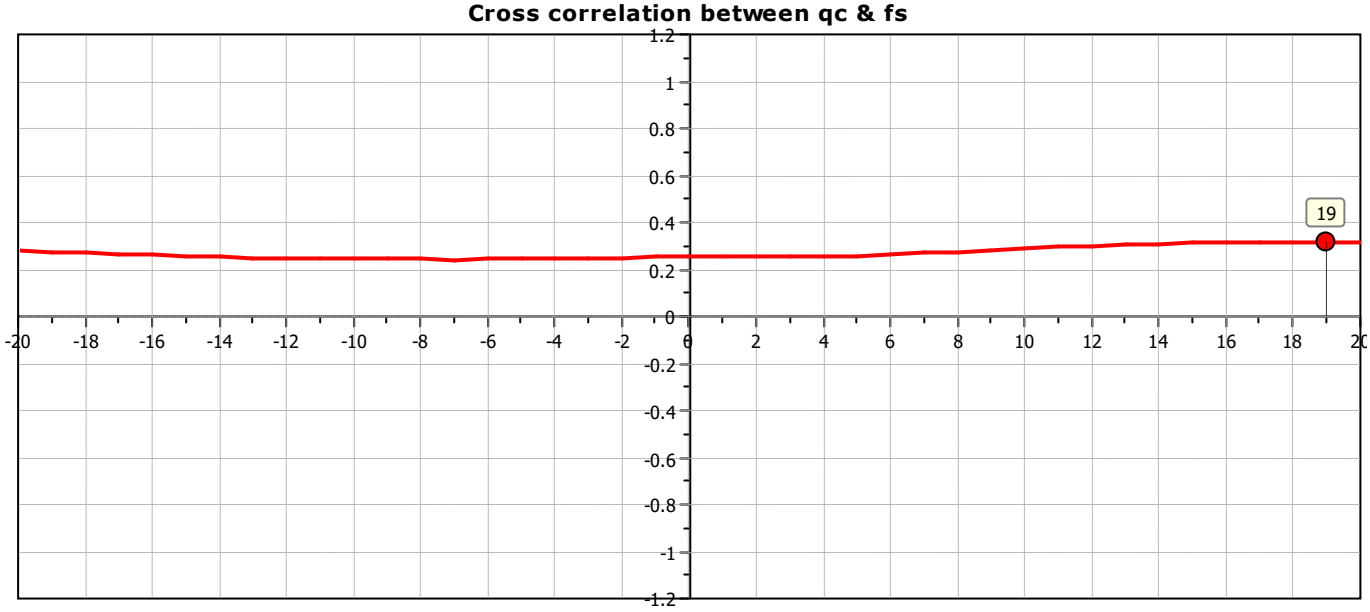
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-3
Total depth: 10.00 m, Date: 27/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.670172° lon 10.637281°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti



The plot below presents the cross correlation coeficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two sucessive CPT measurements).



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Project: **CPTU - Argine Arno**
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Total depth: 10.00 m, Date: 27/04/2022
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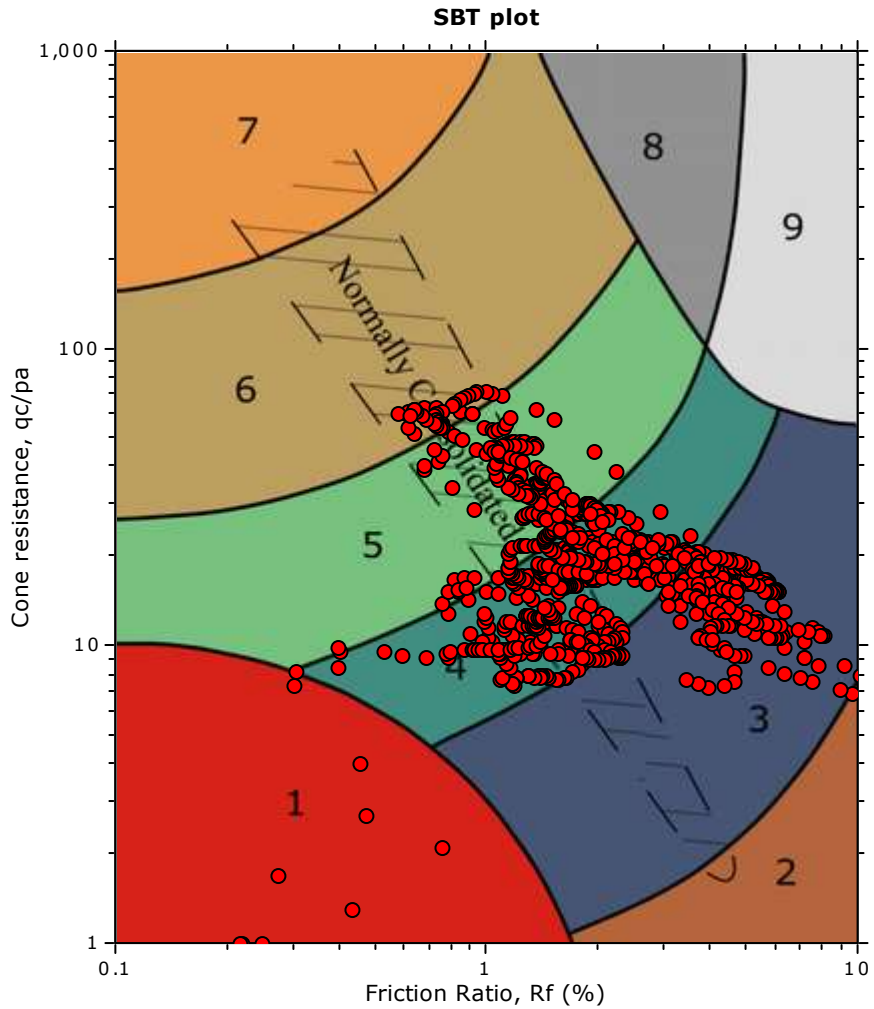
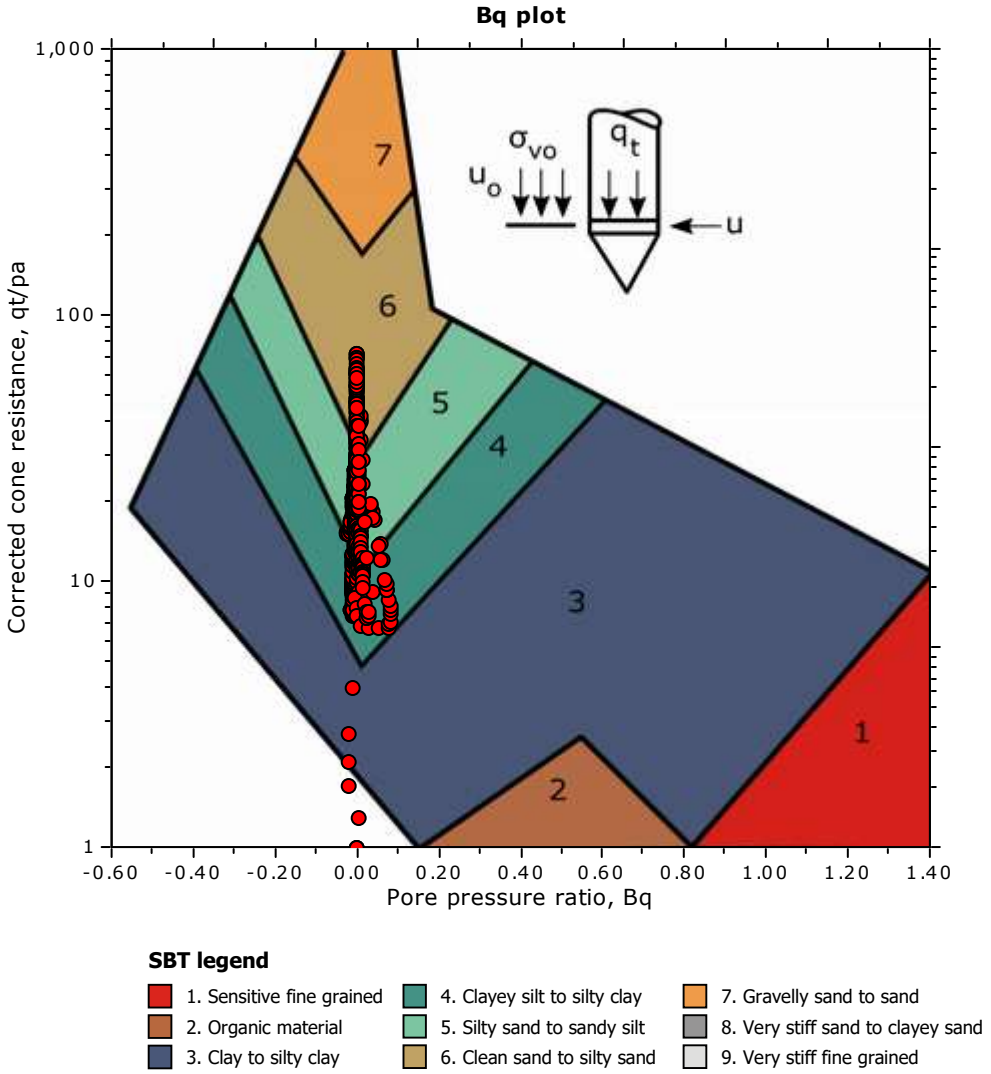
Coords: lat 43.670172° lon 10.637281°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti

SBT - Bq plots





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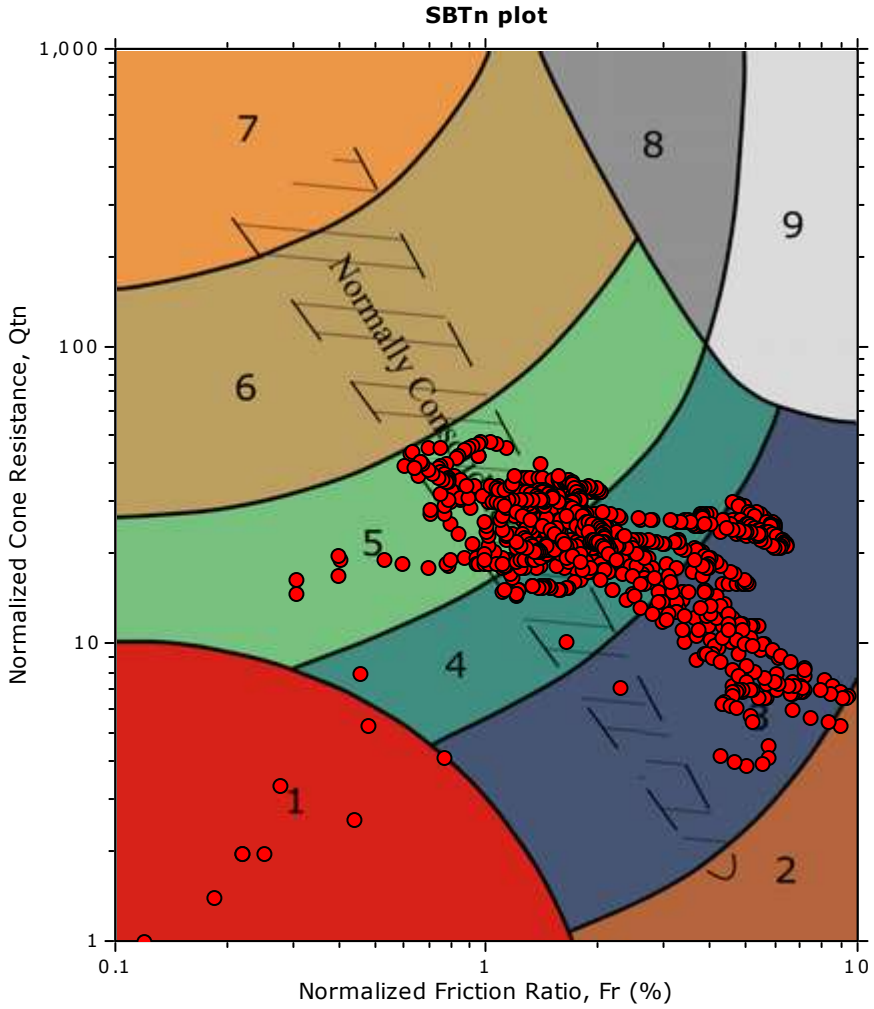
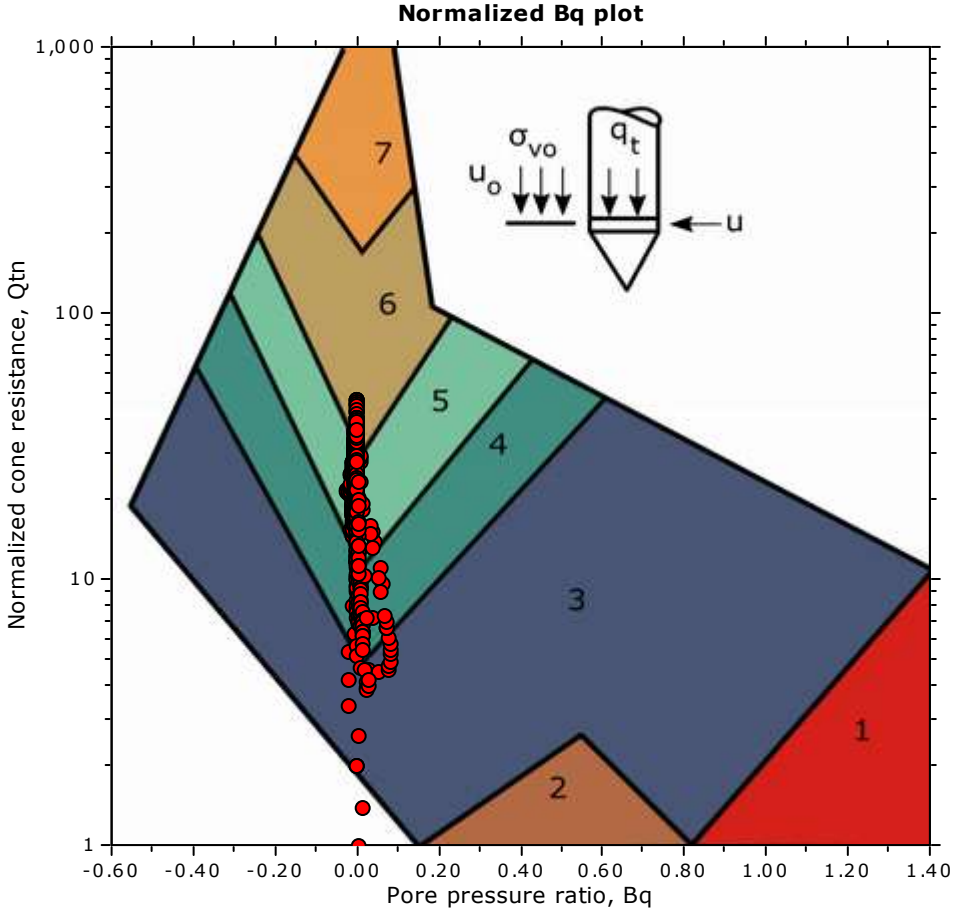
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-3
Total depth: 10.00 m, Date: 27/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.670172° lon 10.637281°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti

SBT - Bq plots (normalized)





SBTn legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

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55054 - Massarosa
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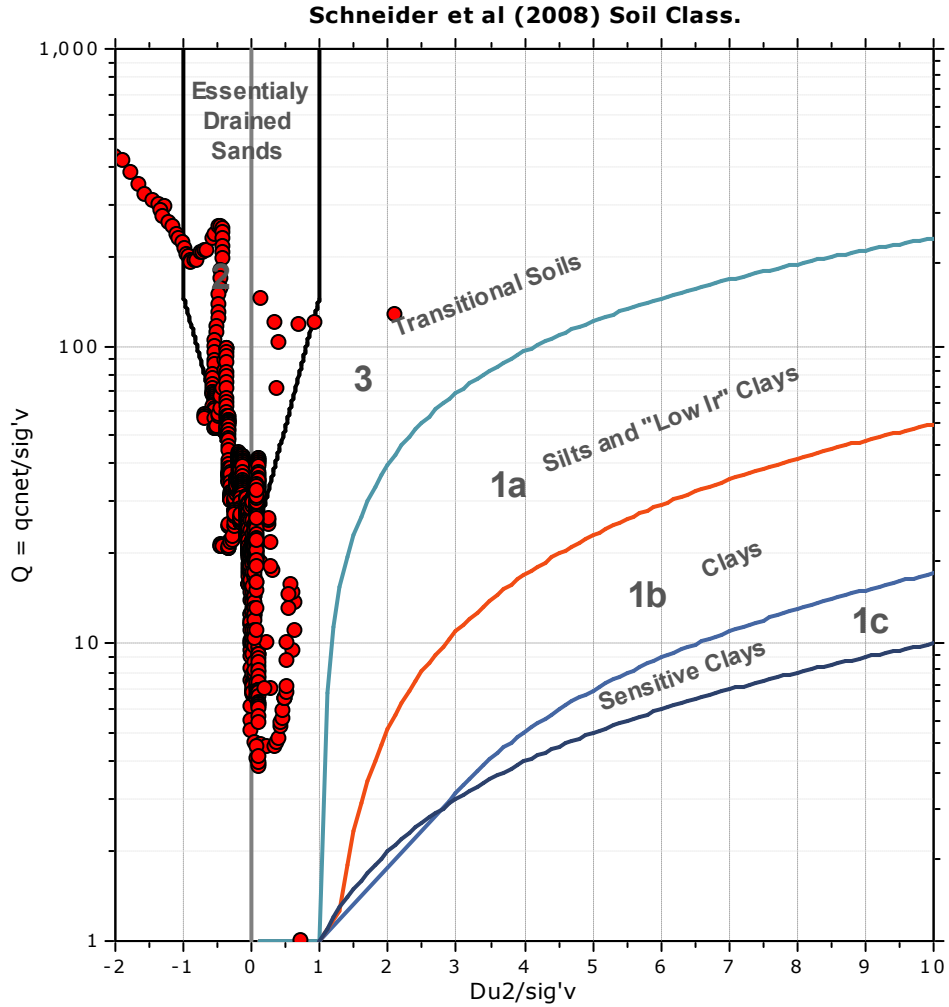
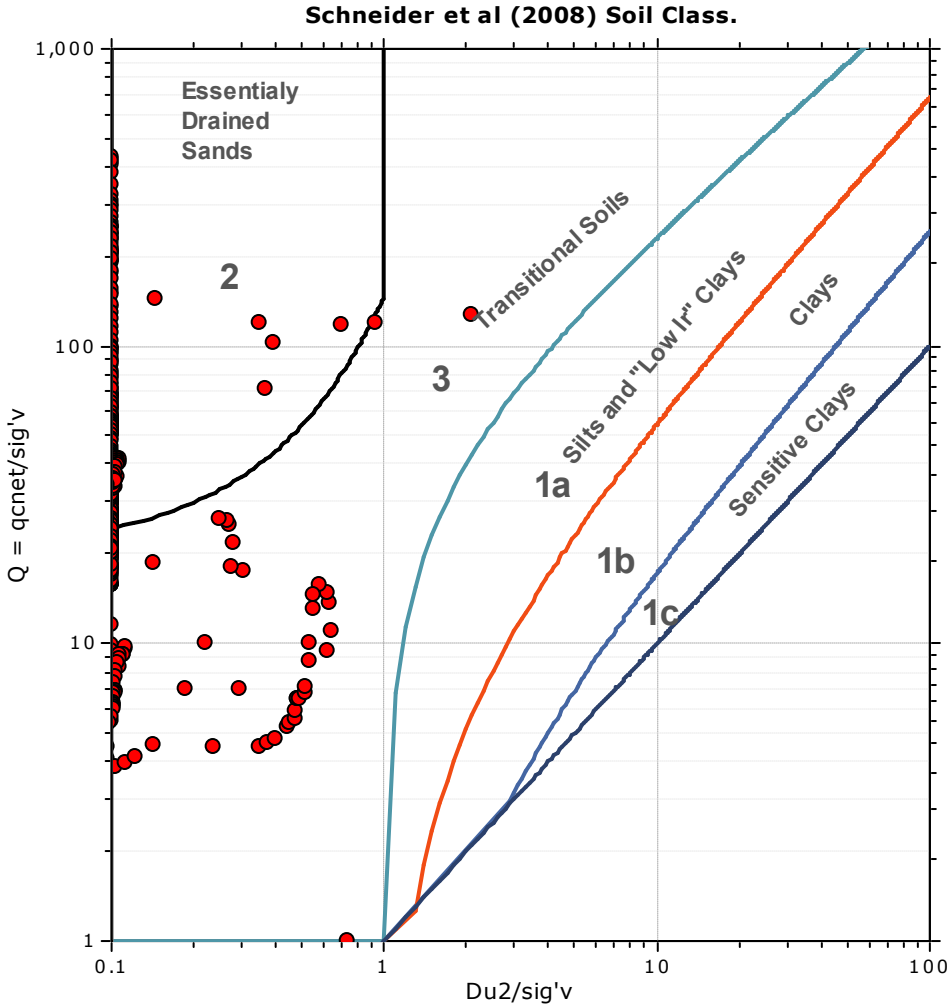
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-3
Total depth: 10.00 m, Date: 27/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.670172° lon 10.637281°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti

Bq plots (Schneider)





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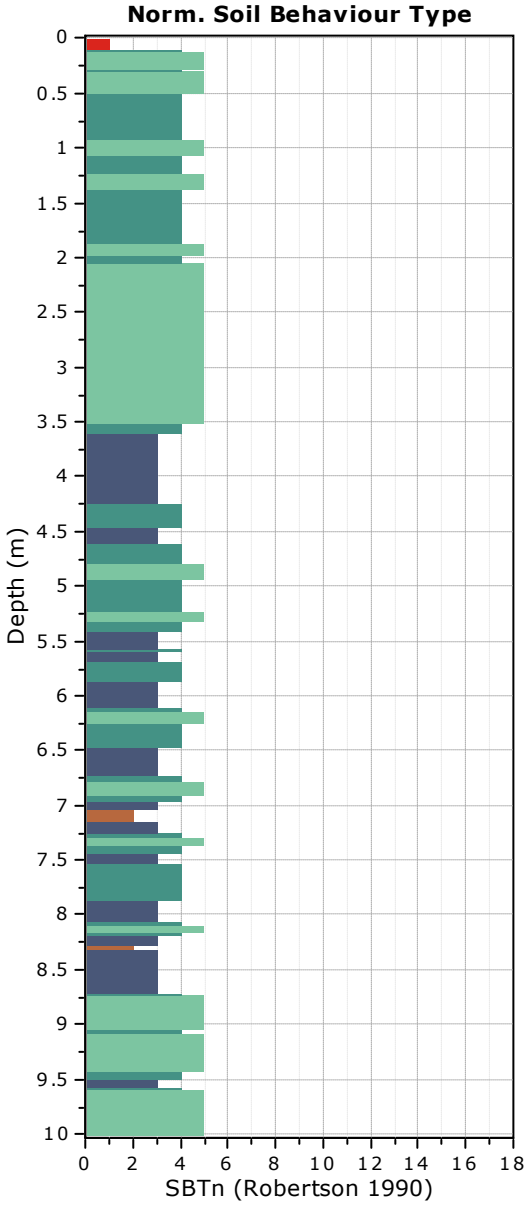
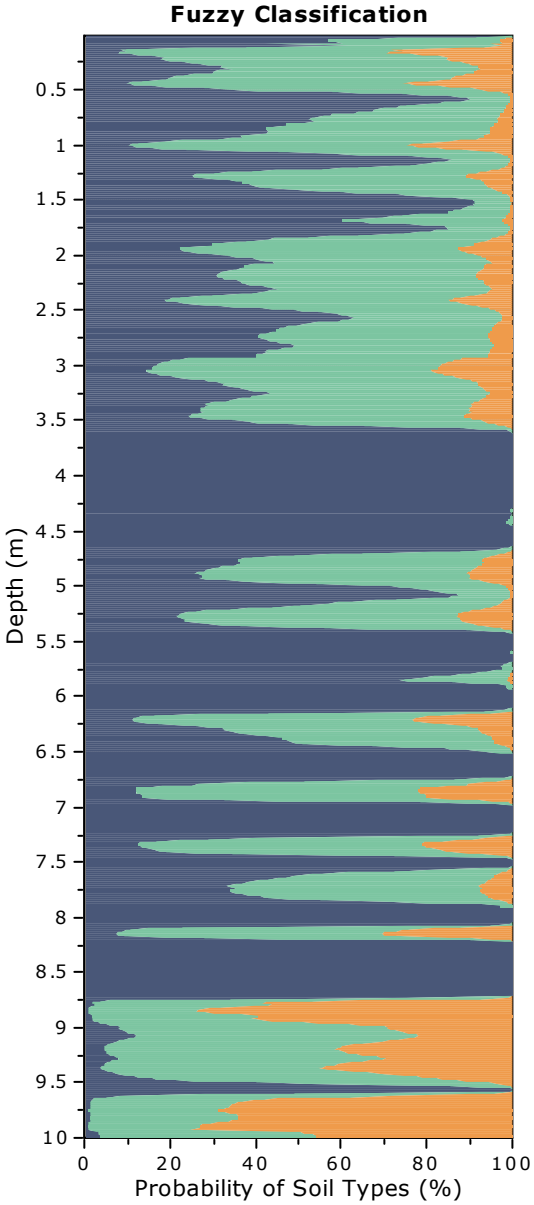
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-3
Total depth: 10.00 m, Date: 27/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.670172° lon 10.637281°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti





Fuzzy classifiaction legend
- Highly probable clayey soil
- Highly probable mixture soil
- Highly probable sandy soil

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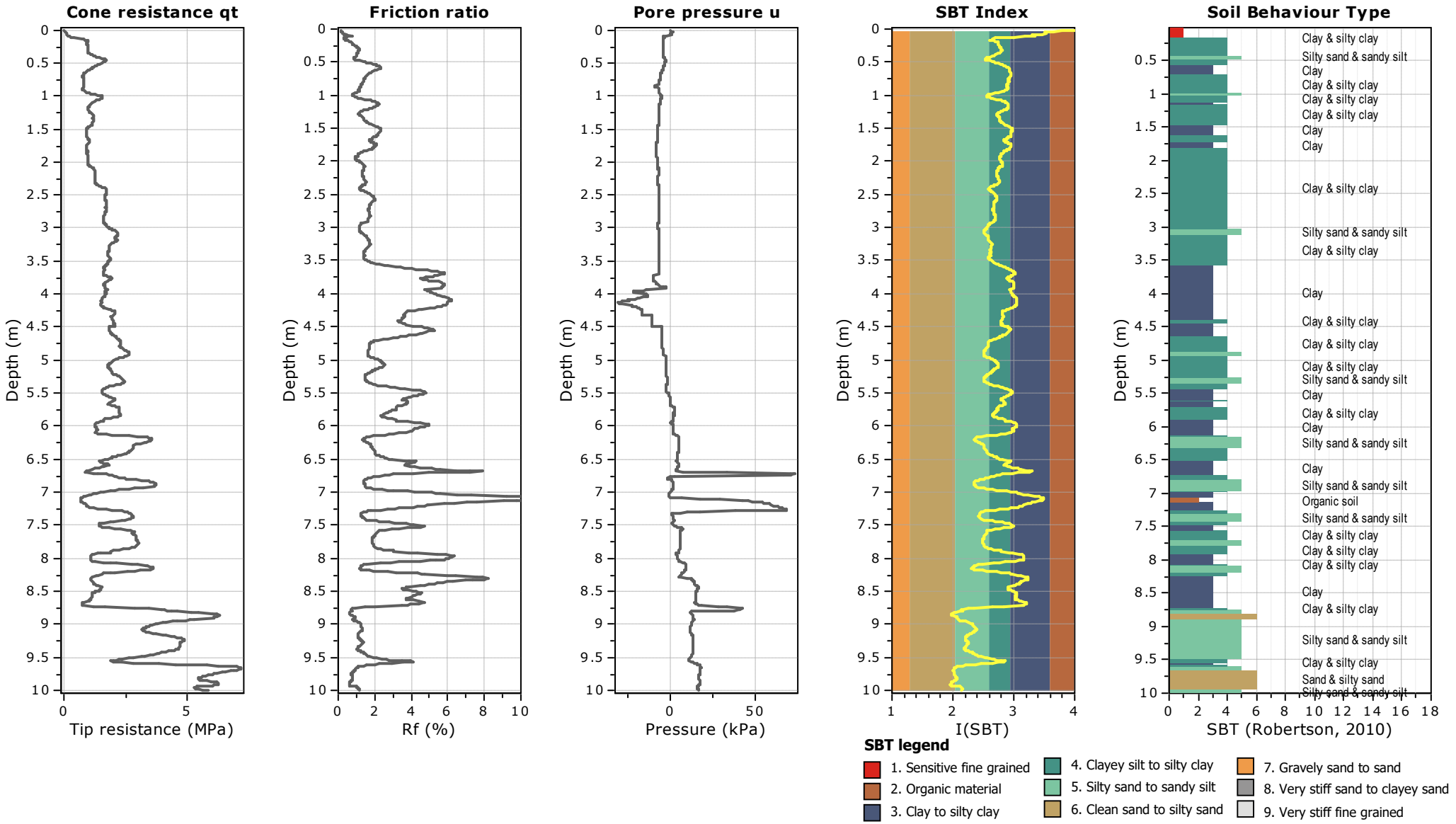
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-3
Total depth: 10.00 m, Date: 27/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.670172° lon 10.637281°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti



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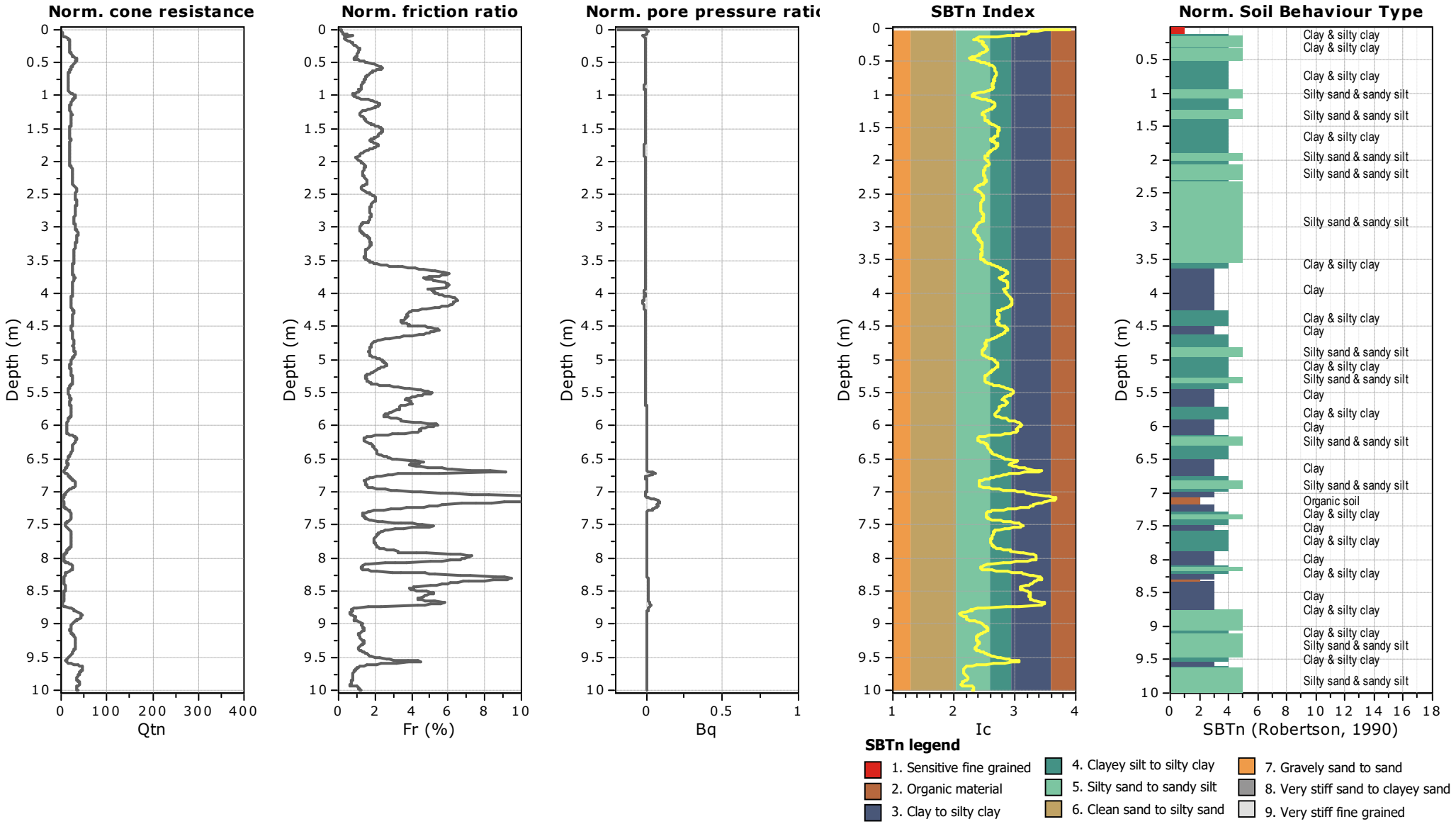

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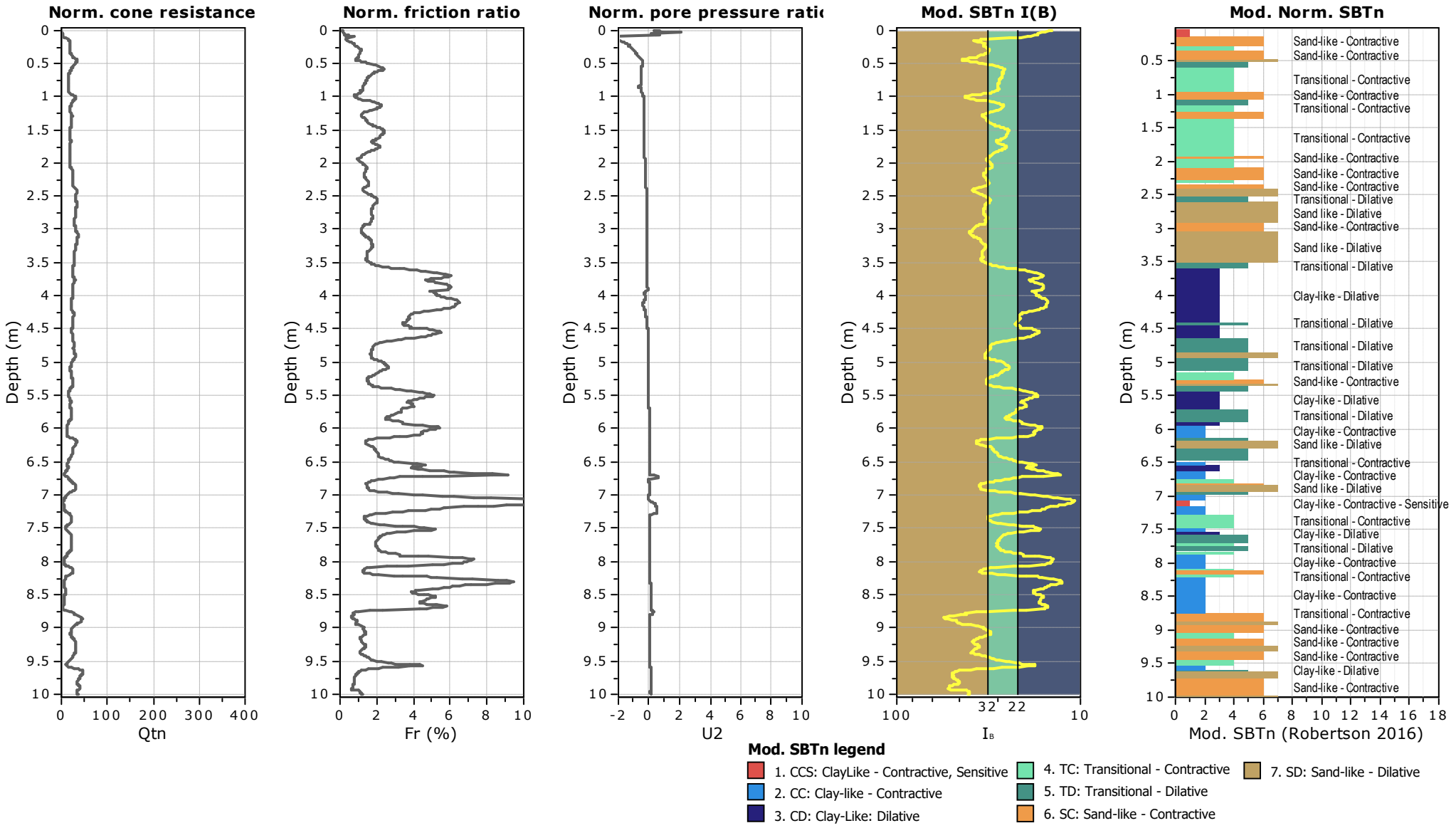

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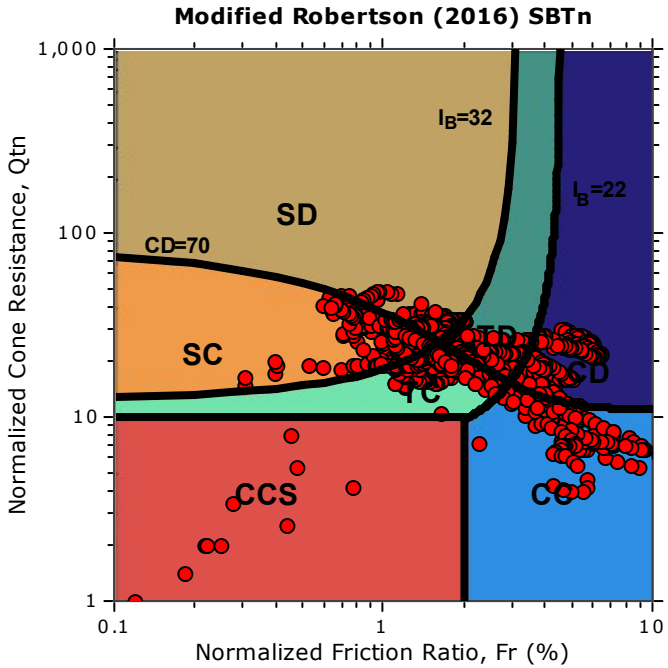
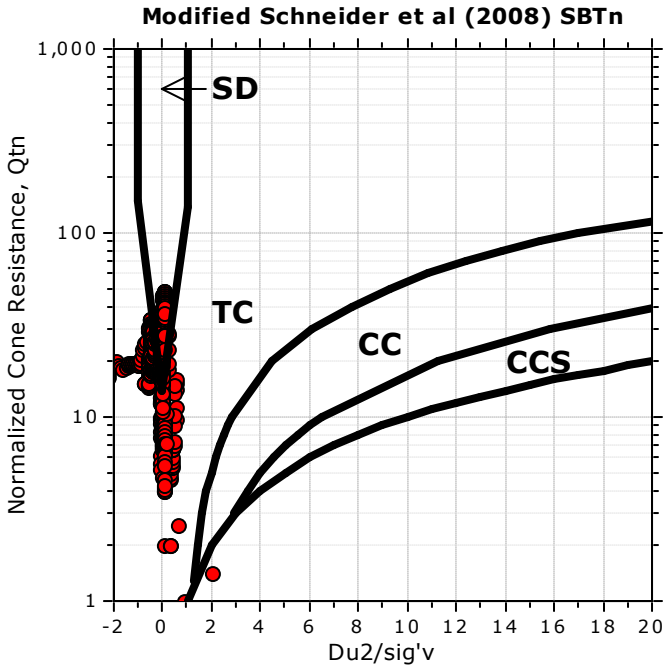
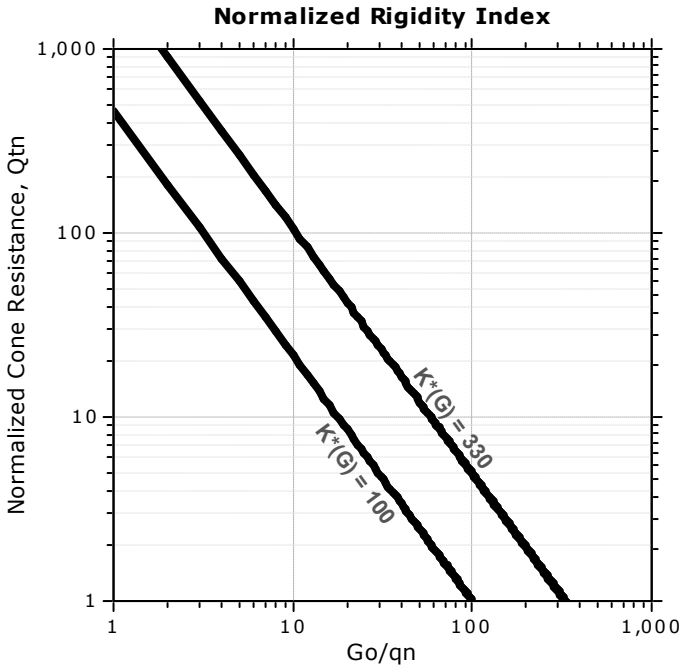
Updated SBTn plots







CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

K(G) > 330: Soils with significant microstructure (e.g. age/cementation)

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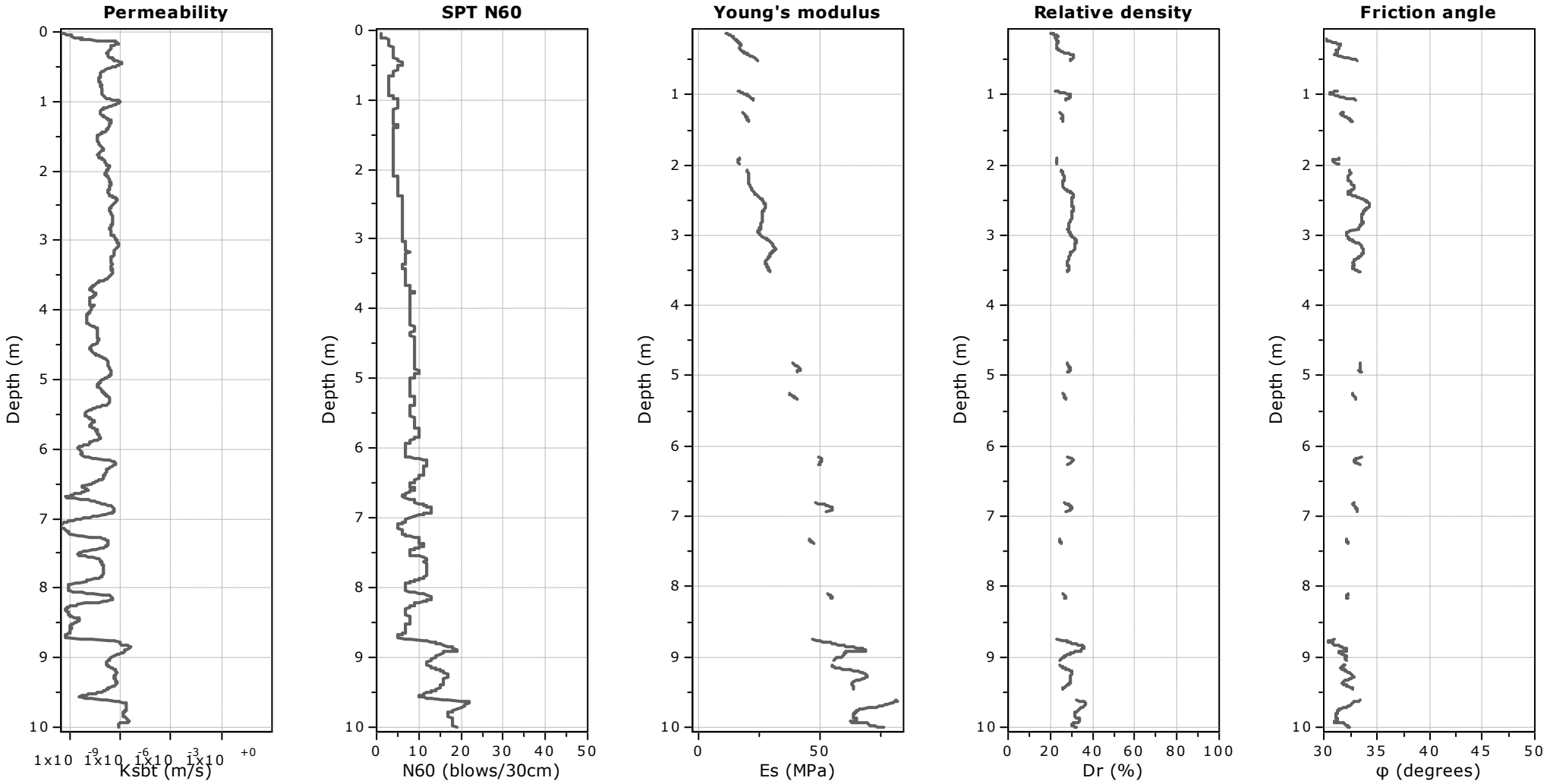

Calculation parameters

Permeability: Based on SBT_n
SPT N_{60}: Based on I_c and q_t
Young's modulus: Based on variable alpha using I_c (Robertson, 2009)
Relative density constant, C_{Dr}: 350.0
Phi: Based on Kulhawy & Mayne (1990)

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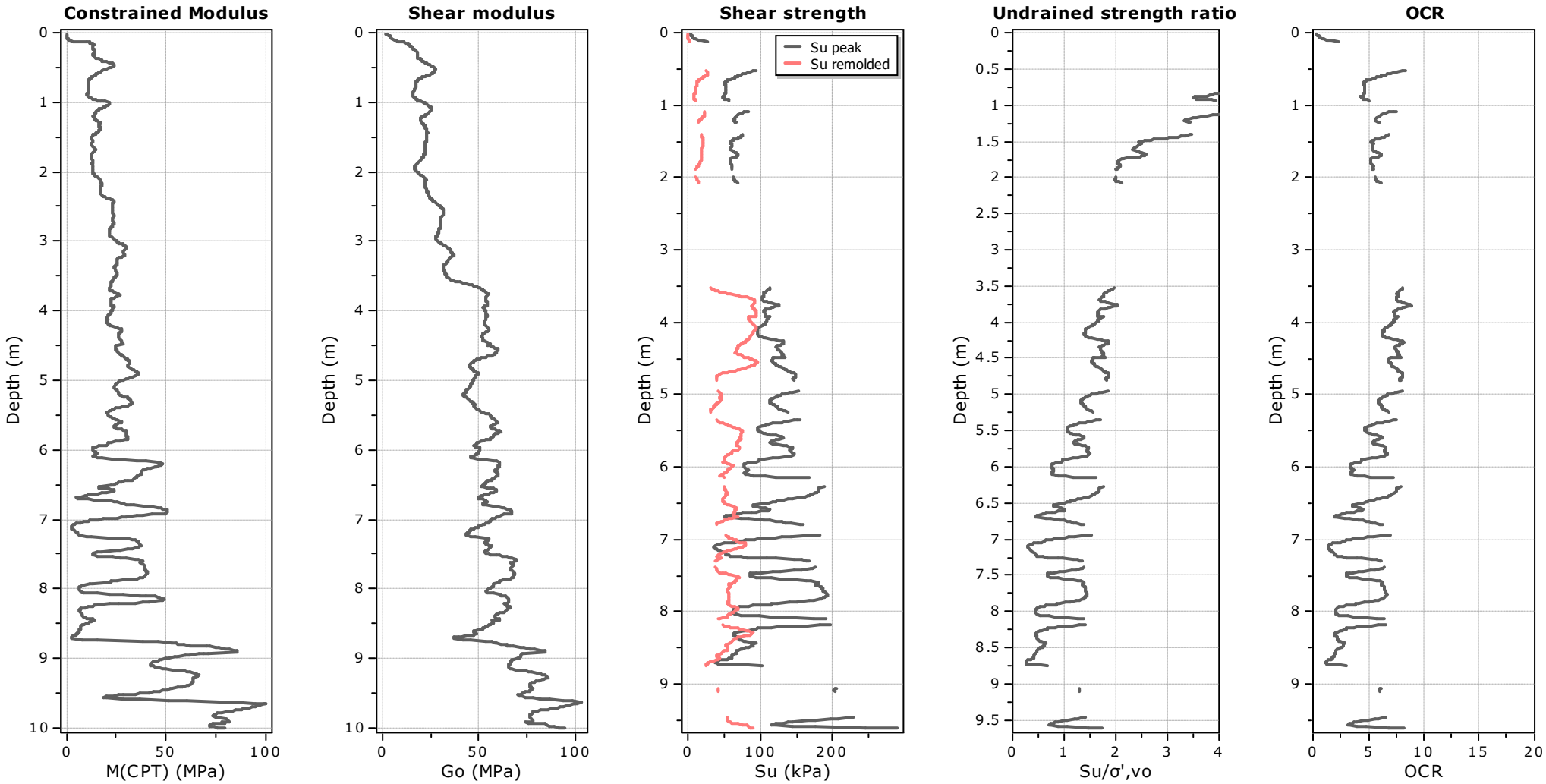

Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_{tn} (Robertson, 2009)
Go: Based on variable *alpha* using I_c (Robertson, 2009)
Undrained shear strength cone factor for clays, N_{kt}: 15
OCR factor for clays, N_{kt}: 0.30
Flat Dilatometer Test data

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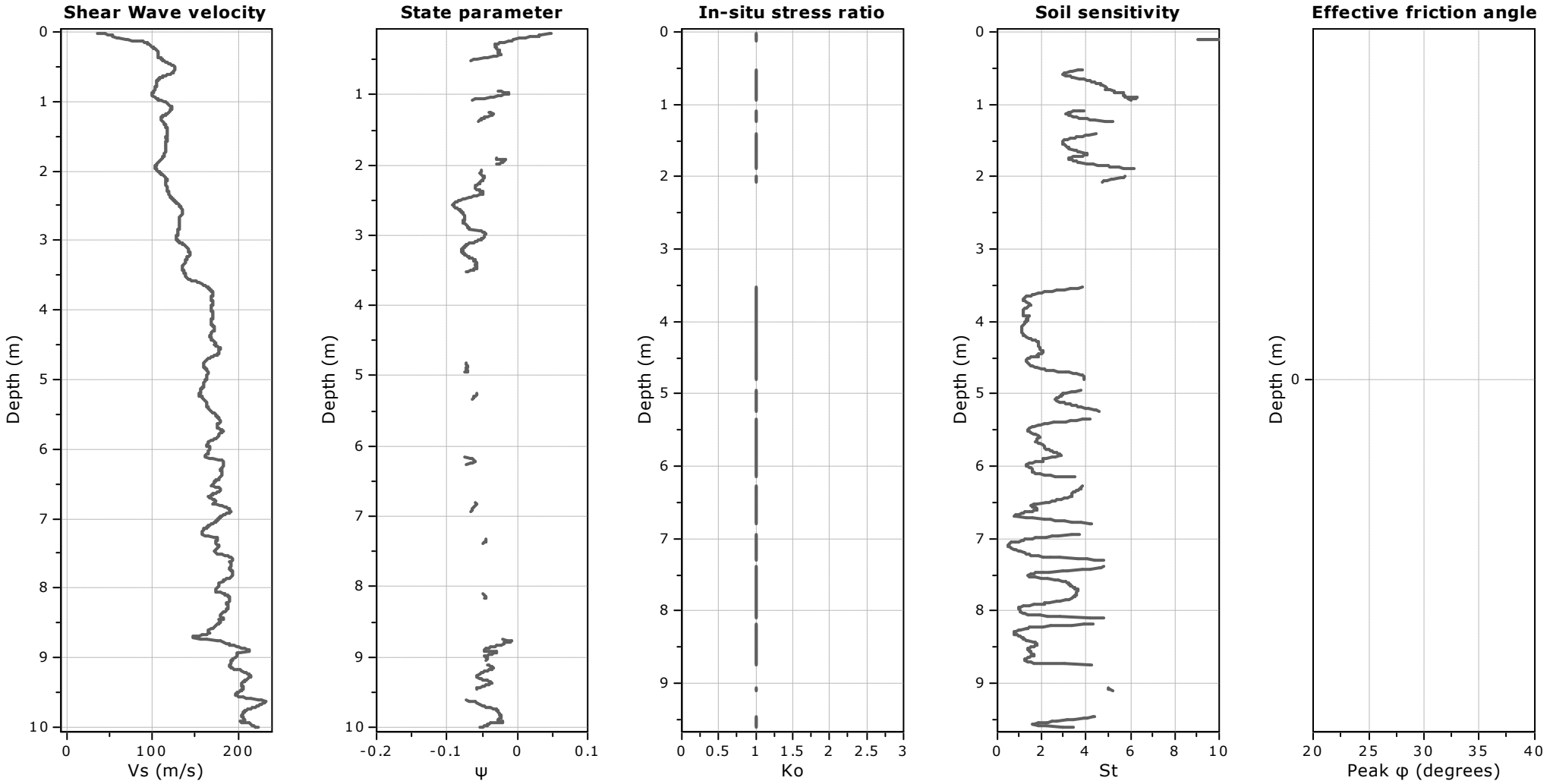

Calculation parameters

Soil Sensitivity factor, N_S: 7.00

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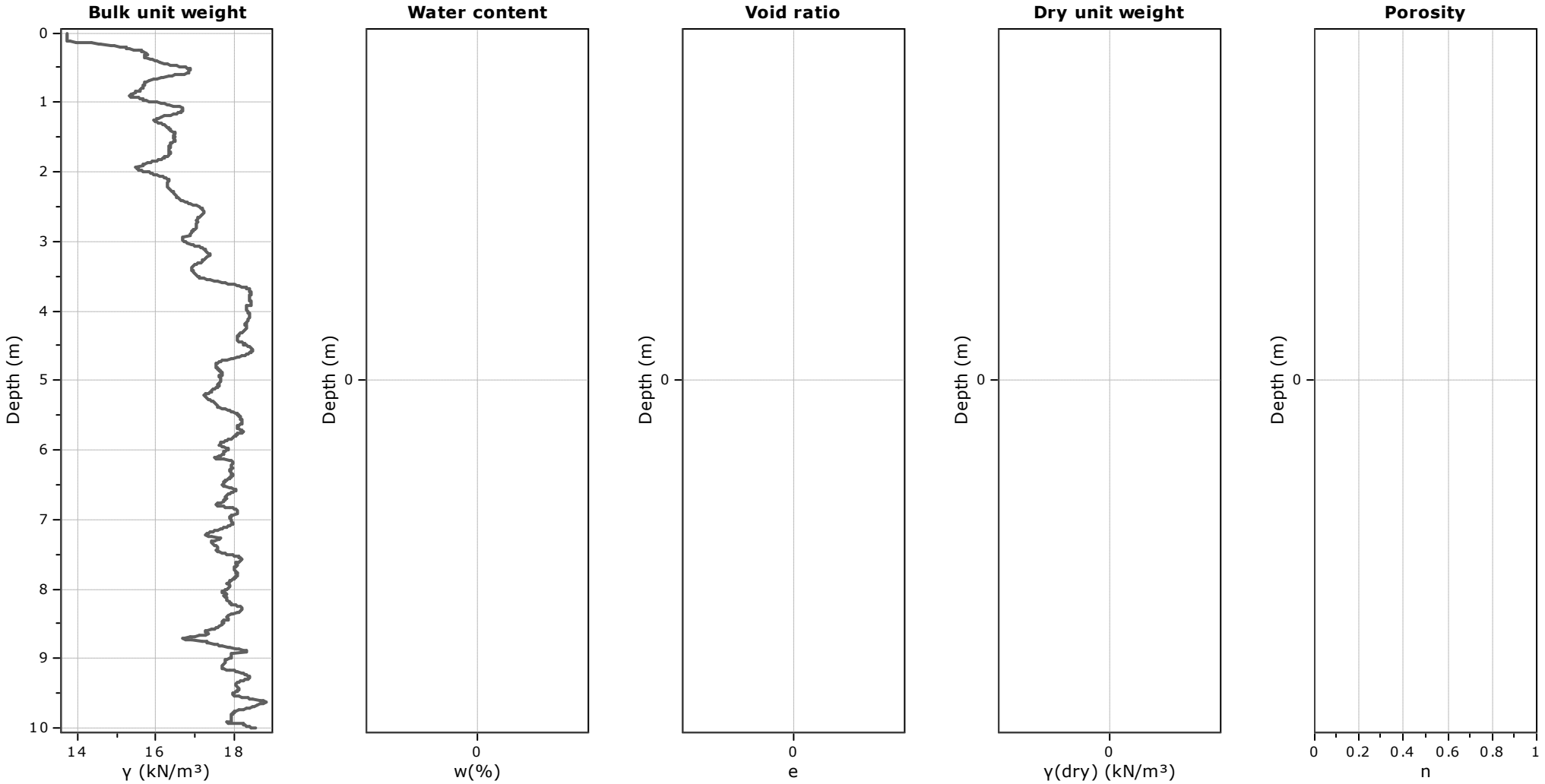

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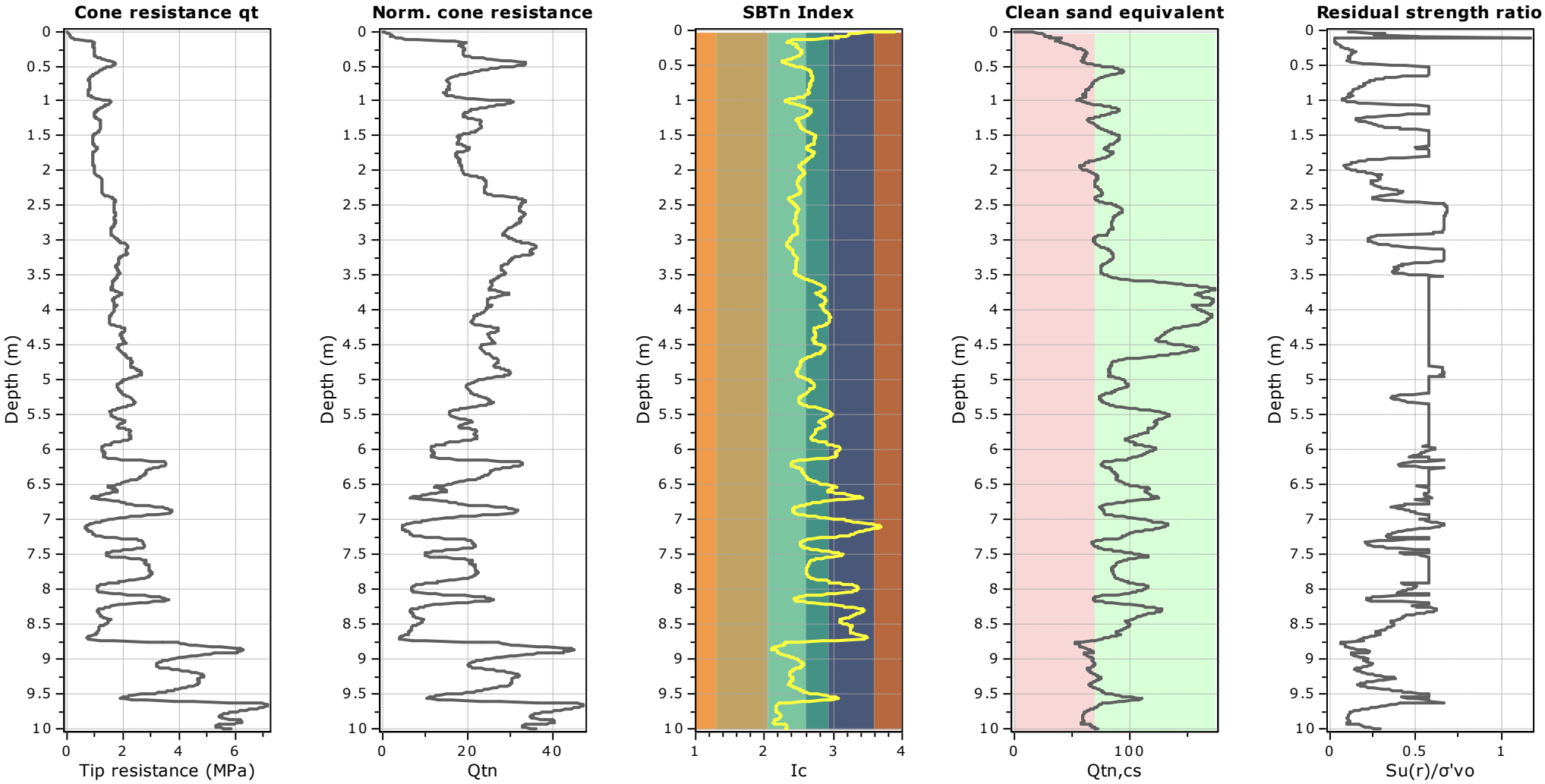

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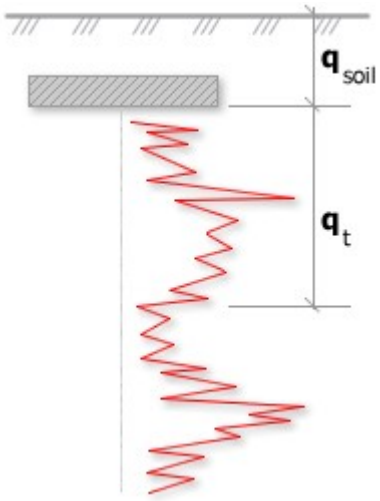
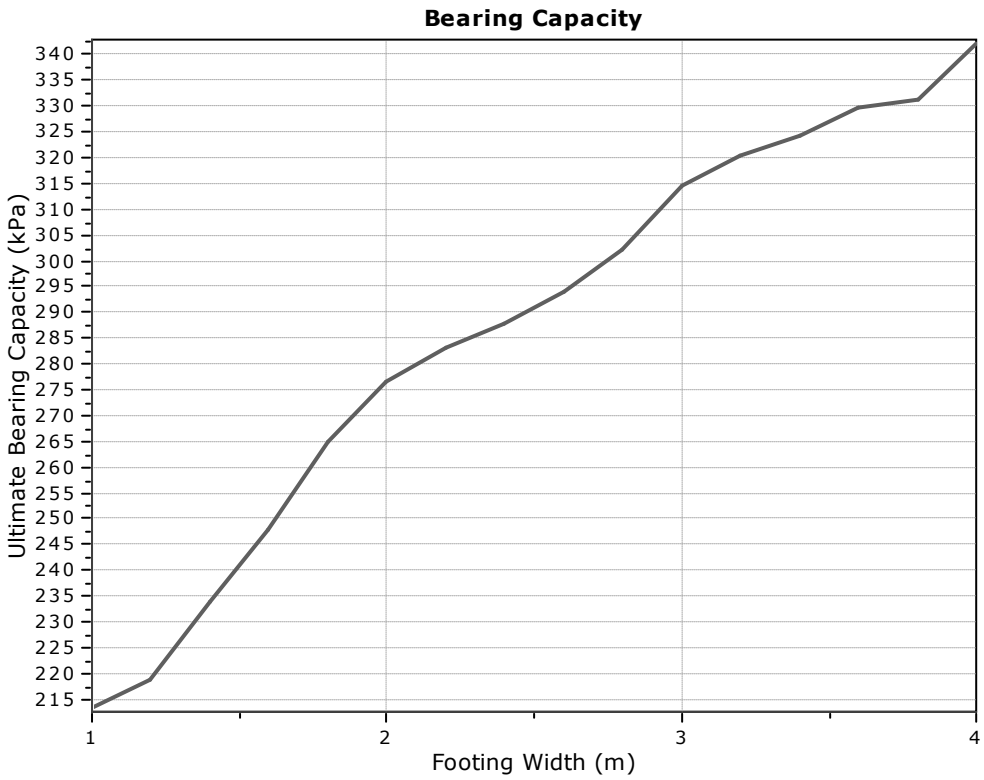


Bearing Capacity calculation is perfromed based on the formula:

$$Q_{ult} = R_k \times q_t + q_{soil}$$

where:
R_k: Bearing capacity factor
q_t: Average corrected cone resistance over calculation depth
q_{soil}: Pressure applied by soil above footing



:: Tabular results ::

No	B (m)	Start Depth (m)	End Depth (m)	Ave. q_t (MPa)	R_k	Soil Press. (kPa)	Ult. bearing cap. (kPa)
1	1.00	0.50	2.00	1.02	0.20	9.50	213.30
2	1.20	0.50	2.30	1.05	0.20	9.50	218.84
3	1.40	0.50	2.60	1.12	0.20	9.50	233.99
4	1.60	0.50	2.90	1.19	0.20	9.50	247.95
5	1.80	0.50	3.20	1.28	0.20	9.50	264.99
6	2.00	0.50	3.50	1.33	0.20	9.50	276.42
7	2.20	0.50	3.80	1.37	0.20	9.50	283.24
8	2.40	0.50	4.10	1.39	0.20	9.50	287.91
9	2.60	0.50	4.40	1.42	0.20	9.50	294.13
10	2.80	0.50	4.70	1.46	0.20	9.50	302.18
11	3.00	0.50	5.00	1.52	0.20	9.50	314.41
12	3.20	0.50	5.30	1.55	0.20	9.50	320.24
13	3.40	0.50	5.60	1.57	0.20	9.50	324.25
14	3.60	0.50	5.90	1.60	0.20	9.50	329.71
15	3.80	0.50	6.20	1.61	0.20	9.50	331.35
16	4.00	0.50	6.50	1.66	0.20	9.50	342.11

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
1	0.01	0.00	0.00	0.10	0.00	0.00	0.00	1.00	0.00	13.73	0.14	0.00	0.14	-0.85	0.00	-0.86	0.00	1.00	2.00	0.00	0.00	0.73	14.28	0.00
2	0.02	0.02	0.03	0.10	0.20	0.02	0.15	1.00	4.19	13.73	0.27	0.00	0.27	71.89	0.15	0.01	1.00	1.00	2.00	3.90	0.39	0.36	14.83	0.00
3	0.03	0.05	0.06	0.38	0.12	0.05	0.12	1.00	3.79	13.73	0.41	0.00	0.41	120.55	0.12	0.01	1.00	1.00	2.00	3.49	0.98	0.92	15.66	0.00
4	0.04	0.07	0.13	1.15	0.17	0.07	0.19	1.00	3.66	13.73	0.55	0.00	0.55	126.86	0.19	0.02	1.00	1.00	2.00	3.37	1.38	2.09	16.19	1.00
5	0.05	0.10	0.22	0.10	0.22	0.10	0.22	1.00	3.52	13.73	0.69	0.00	0.69	144.65	0.22	0.00	1.00	1.00	2.00	3.23	1.96	0.15	16.98	1.00
6	0.06	0.10	0.22	0.29	0.22	0.10	0.22	1.00	3.52	13.73	0.82	0.00	0.82	120.43	0.22	0.00	1.00	1.00	2.00	3.23	1.96	0.35	16.98	1.00
7	0.07	0.10	0.25	0.38	0.25	0.10	0.25	1.00	3.53	13.73	0.96	0.00	0.96	103.10	0.25	0.00	1.00	1.00	2.00	3.24	1.96	0.40	16.96	1.00
8	0.08	0.13	0.57	0.77	0.43	0.13	0.44	1.00	3.47	13.73	1.10	0.00	1.10	117.47	0.44	0.01	1.00	1.00	2.00	3.18	2.55	0.70	17.64	1.00
9	0.09	0.17	0.47	-2.88	0.28	0.17	0.28	1.00	3.31	13.73	1.24	0.00	1.24	136.04	0.28	-0.02	1.00	1.00	2.00	3.02	3.32	-2.33	18.78	1.00
10	0.10	0.21	1.61	-3.93	0.75	0.21	0.77	1.00	3.34	13.73	1.37	0.00	1.37	151.30	0.77	-0.02	1.00	1.00	2.00	3.06	4.10	-2.86	19.27	1.00
11	0.11	0.27	1.29	-4.41	0.47	0.27	0.48	1.00	3.18	13.73	1.51	0.00	1.51	177.11	0.48	-0.02	1.00	0.95	2.00	2.89	5.28	-2.92	21.06	1.00
12	0.12	0.40	1.83	-3.83	0.46	0.40	0.46	1.00	3.01	13.73	1.65	0.00	1.65	241.22	0.46	-0.01	4.00	0.89	2.00	2.72	7.85	-2.32	24.24	1.00
13	0.13	0.74	2.27	-4.12	0.31	0.74	0.31	1.00	2.70	13.81	1.79	0.00	1.79	412.80	0.31	-0.01	5.00	0.77	2.00	2.41	14.55	-2.31	32.97	6.00
14	0.14	0.82	2.52	-4.12	0.31	0.82	0.31	1.00	2.66	13.97	1.93	0.00	1.93	424.31	0.31	-0.01	5.00	0.75	2.00	2.37	16.13	-2.14	34.85	6.00
15	0.15	0.85	3.41	-4.50	0.40	0.85	0.40	4.00	2.68	14.34	2.07	0.00	2.07	409.30	0.40	-0.01	5.00	0.76	2.00	2.39	16.72	-2.17	34.82	6.00
16	0.16	0.96	3.88	-4.41	0.40	0.96	0.40	4.00	2.63	14.53	2.21	0.00	2.21	432.06	0.41	0.00	5.00	0.74	2.00	2.34	18.89	-1.99	37.20	6.00
17	0.17	0.99	3.97	-4.41	0.40	0.99	0.40	5.00	2.61	14.57	2.36	0.00	2.36	418.04	0.40	0.00	5.00	0.74	2.00	2.33	19.48	-1.87	37.87	6.00
18	0.18	0.96	5.11	-4.41	0.53	0.96	0.53	4.00	2.67	14.85	2.51	0.00	2.51	381.28	0.53	0.00	5.00	0.76	2.00	2.39	18.88	-1.76	36.06	6.00
19	0.19	0.93	5.55	-4.41	0.59	0.93	0.60	4.00	2.70	14.93	2.66	0.00	2.66	348.52	0.60	0.00	5.00	0.77	2.00	2.42	18.29	-1.66	34.94	6.00
20	0.20	0.91	6.34	-4.41	0.70	0.91	0.70	4.00	2.73	15.08	2.81	0.00	2.81	322.64	0.70	0.00	5.00	0.79	2.00	2.46	17.89	-1.57	33.80	6.00
21	0.21	0.92	7.31	-4.31	0.80	0.92	0.80	4.00	2.75	15.24	2.96	0.00	2.96	309.36	0.80	0.00	5.00	0.80	2.00	2.48	18.08	-1.46	33.26	6.00
22	0.22	0.94	7.35	-4.22	0.78	0.94	0.78	4.00	2.74	15.26	3.11	0.00	3.11	300.59	0.79	0.00	5.00	0.79	2.00	2.47	18.48	-1.36	33.70	6.00
23	0.23	0.96	7.69	-4.12	0.80	0.96	0.80	4.00	2.74	15.32	3.27	0.00	3.27	292.57	0.80	0.00	5.00	0.79	2.00	2.47	18.87	-1.26	33.89	6.00
24	0.24	0.98	8.58	-4.50	0.88	0.98	0.88	4.00	2.74	15.45	3.42	0.00	3.42	285.14	0.88	0.00	5.00	0.80	2.00	2.48	19.26	-1.32	33.65	6.00
25	0.25	0.98	9.27	-4.60	0.94	0.98	0.95	4.00	2.76	15.54	3.58	0.00	3.58	272.70	0.95	0.00	5.00	0.80	2.00	2.49	19.25	-1.29	33.13	6.00
26	0.26	0.98	9.90	-4.50	1.01	0.98	1.01	4.00	2.77	15.62	3.73	0.00	3.73	261.26	1.02	0.00	5.00	0.81	2.00	2.51	19.25	-1.21	32.67	6.00
27	0.27	0.98	10.12	-4.50	1.04	0.98	1.03	4.00	2.77	15.64	3.89	0.00	3.89	250.71	1.04	0.00	5.00	0.81	2.00	2.51	19.25	-1.16	32.51	6.00
28	0.28	0.97	10.53	-4.41	1.08	0.97	1.09	4.00	2.79	15.68	4.05	0.00	4.05	238.49	1.09	0.00	5.00	0.81	2.00	2.53	19.05	-1.09	32.00	4.00
29	0.29	0.97	11.13	-4.41	1.15	0.97	1.15	4.00	2.80	15.75	4.20	0.00	4.20	229.52	1.15	0.00	5.00	0.82	2.00	2.54	19.05	-1.05	31.58	4.00
30	0.30	0.97	11.10	-4.41	1.15	0.97	1.15	4.00	2.80	15.74	4.36	0.00	4.36	221.19	1.15	0.00	5.00	0.82	2.00	2.54	19.04	-1.01	31.60	4.00
31	0.31	0.96	11.45	-4.41	1.19	0.96	1.19	4.00	2.81	15.78	4.52	0.00	4.52	211.22	1.20	0.00	4.00	0.82	2.00	2.55	18.84	-0.98	31.15	4.00
32	0.32	0.96	10.94	-4.41	1.14	0.96	1.14	4.00	2.80	15.72	4.68	0.00	4.68	204.09	1.15	0.00	5.00	0.82	2.00	2.54	18.84	-0.94	31.49	4.00
33	0.33	0.97	10.66	-4.41	1.10	0.97	1.10	4.00	2.79	15.70	4.83	0.00	4.83	199.50	1.11	0.00	5.00	0.82	2.00	2.53	19.03	-0.91	31.89	4.00
34	0.34	0.97	10.75	-4.41	1.11	0.97	1.11	4.00	2.79	15.71	4.99	0.00	4.99	193.19	1.12	0.00	5.00	0.82	2.00	2.53	19.03	-0.88	31.82	4.00
35	0.35	0.98	10.85	-4.50	1.10	0.98	1.11	4.00	2.79	15.72	5.15	0.00	5.15	189.19	1.11	0.00	5.00	0.82	2.00	2.53	19.22	-0.87	31.97	4.00
36	0.36	1.03	10.78	-4.41	1.05	1.03	1.05	4.00	2.76	15.73	5.31	0.00	5.31	192.98	1.05	0.00	5.00	0.80	2.00	2.50	20.21	-0.83	33.09	6.00
37	0.37	1.07	10.85	-4.41	1.02	1.07	1.01	4.00	2.74	15.76	5.46	0.00	5.46	194.71	1.02	0.00	5.00	0.80	2.00	2.47	20.99	-0.81	33.90	6.00
38	0.38	1.16	11.79	-4.22	1.02	1.16	1.02	4.00	2.71	15.88	5.62	0.00	5.62	205.20	1.02	0.00	5.00	0.78	2.00	2.44	22.77	-0.75	35.13	6.00
39	0.39	1.20	11.95	-4.12	1.00	1.20	1.00	4.00	2.69	15.91	5.78	0.00	5.78	206.44	1.00	0.00	5.00	0.78	2.00	2.43	23.55	-0.71	35.85	6.00
40	0.40	1.25	12.52	-4.03	1.00	1.25	1.00	4.00	2.67	15.98	5.94	0.00	5.94	209.28	1.01	0.00	5.00	0.77	2.00	2.41	24.54	-0.68	36.47	6.00
41	0.41	1.29	12.74	-3.93	0.99	1.29	0.99	4.00	2.66	16.01	6.10	0.00	6.10	210.32	0.99	0.00	5.00	0.77	2.00	2.40	25.33	-0.64	37.13	6.00
42	0.42	1.44	13.02	-3.55	0.91	1.44	0.90	4.00	2.60	16.08	6.26	0.00	6.26	228.87	0.91	0.00	5.00	0.74	2.00	2.34	28.29	-0.57	40.01	6.00
43	0.43	1.53	12.96	-3.35	0.85	1.53	0.85	5.00	2.56	16.10	6.42	0.00	6.42	237.13	0.85	0.00	5.00	0.73	2.00	2.30	30.06	-0.52	41.91	6.00
44	0.44	1.67	13.78	-3.16	0.82	1.67	0.83	5.00	2.52	16.20	6.58	0.00	6.58	252.54	0.83	0.00	5.00	0.71	2.00	2.26	32.82	-0.48	44.05	6.00
45	0.45	1.70	14.91	-2.97	0.88	1.70	0.88	5.00	2.53	16.30	6.75	0.00	6.75	250.86	0.88	0.00	5.00	0.72	2.00	2.27	33.41	-0.44	43.66	6.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
46	0.46	1.71	15.99	-2.97	0.93	1.71	0.94	5.00	2.54	16.38	6.91	0.00	6.91	246.34	0.94	0.00	5.00	0.72	2.00	2.28	33.60	-0.43	42.93	6.00
47	0.47	1.70	18.41	-2.97	1.08	1.70	1.08	4.00	2.57	16.54	7.08	0.00	7.08	239.14	1.09	0.00	5.00	0.74	2.00	2.32	33.40	-0.42	40.82	6.00
48	0.48	1.68	19.80	-2.97	1.18	1.68	1.18	4.00	2.59	16.62	7.24	0.00	7.24	230.87	1.18	0.00	5.00	0.75	2.00	2.34	33.01	-0.41	39.42	7.00
49	0.49	1.61	21.98	-3.07	1.37	1.61	1.37	4.00	2.64	16.72	7.41	0.00	7.41	216.19	1.37	0.00	5.00	0.77	2.00	2.39	31.62	-0.41	36.71	7.00
50	0.50	1.56	22.80	-3.16	1.46	1.56	1.46	4.00	2.67	16.75	7.58	0.00	7.58	204.79	1.47	0.00	5.00	0.78	2.00	2.42	30.63	-0.42	35.33	7.00
51	0.51	1.52	23.93	-3.26	1.57	1.52	1.58	4.00	2.70	16.80	7.75	0.00	7.75	195.15	1.58	0.00	5.00	0.79	2.00	2.45	29.84	-0.42	33.98	7.00
52	0.52	1.42	25.82	-3.45	1.82	1.42	1.82	4.00	2.75	16.86	7.91	0.00	7.91	178.33	1.83	0.00	4.00	0.81	2.00	2.51	27.86	-0.44	31.30	5.00
53	0.53	1.37	26.14	-3.55	1.91	1.37	1.91	4.00	2.78	16.86	8.08	0.00	8.08	168.40	1.92	0.00	4.00	0.82	2.00	2.53	26.87	-0.44	30.32	5.00
54	0.54	1.29	26.49	-3.74	2.05	1.29	2.05	4.00	2.82	16.85	8.25	0.00	8.25	155.24	2.07	0.00	4.00	0.84	2.00	2.58	25.28	-0.45	28.85	5.00
55	0.55	1.26	26.58	-3.93	2.12	1.26	2.11	4.00	2.83	16.85	8.42	0.00	8.42	148.55	2.13	0.00	4.00	0.84	2.00	2.59	24.69	-0.47	28.32	5.00
56	0.56	1.19	26.67	-4.12	2.25	1.19	2.24	4.00	2.87	16.83	8.59	0.00	8.59	137.46	2.26	0.00	4.00	0.85	2.00	2.63	23.30	-0.48	27.15	5.00
57	0.57	1.15	26.64	-4.22	2.31	1.15	2.32	3.00	2.89	16.82	8.76	0.00	8.76	130.23	2.34	0.00	4.00	0.86	2.00	2.65	22.51	-0.48	26.52	5.00
58	0.58	1.12	26.33	-4.31	2.36	1.12	2.35	3.00	2.90	16.79	8.92	0.00	8.92	124.40	2.37	0.00	4.00	0.87	2.00	2.66	21.91	-0.48	26.16	5.00
59	0.59	1.06	24.91	-4.60	2.36	1.06	2.35	3.00	2.92	16.71	9.09	0.00	9.09	115.49	2.37	0.00	4.00	0.88	2.00	2.68	20.72	-0.51	25.78	5.00
60	0.60	1.04	23.55	-4.70	2.27	1.04	2.27	3.00	2.92	16.64	9.26	0.00	9.26	111.23	2.29	0.00	4.00	0.87	2.00	2.68	20.33	-0.51	26.03	5.00
61	0.61	0.99	20.94	-4.89	2.12	0.99	2.12	3.00	2.92	16.48	9.42	0.00	9.42	103.96	2.14	0.00	4.00	0.87	2.00	2.68	19.33	-0.52	26.35	4.00
62	0.62	0.97	20.02	-5.08	2.07	0.97	2.07	3.00	2.92	16.42	9.59	0.00	9.59	100.07	2.09	-0.01	4.00	0.88	2.00	2.68	18.94	-0.53	26.42	4.00
63	0.63	0.94	18.85	-5.18	2.01	0.94	2.01	3.00	2.93	16.34	9.75	0.00	9.75	95.30	2.03	-0.01	4.00	0.88	2.00	2.68	18.34	-0.53	26.44	4.00
64	0.64	0.90	16.77	-5.37	1.86	0.90	1.87	3.00	2.93	16.19	9.91	0.00	9.91	89.69	1.89	-0.01	4.00	0.88	2.00	2.68	17.55	-0.54	26.72	4.00
65	0.65	0.88	16.02	-5.37	1.82	0.88	1.82	3.00	2.93	16.13	10.07	0.00	10.07	86.25	1.84	-0.01	4.00	0.88	2.00	2.68	17.15	-0.53	26.72	4.00
66	0.66	0.83	14.69	-5.65	1.76	0.83	1.77	3.00	2.95	16.01	10.23	0.00	10.23	79.99	1.79	-0.01	4.00	0.88	2.00	2.70	16.16	-0.55	26.42	4.00
67	0.67	0.82	14.06	-5.75	1.72	0.82	1.72	3.00	2.95	15.95	10.39	0.00	10.39	77.78	1.74	-0.01	4.00	0.88	2.00	2.70	15.96	-0.55	26.55	4.00
68	0.68	0.79	12.99	-5.85	1.64	0.79	1.65	3.00	2.95	15.85	10.55	0.00	10.55	73.76	1.67	-0.01	4.00	0.88	2.00	2.70	15.36	-0.55	26.52	4.00
69	0.69	0.78	12.71	-5.94	1.63	0.78	1.63	3.00	2.95	15.82	10.71	0.00	10.71	71.72	1.65	-0.01	4.00	0.89	2.00	2.70	15.16	-0.55	26.46	4.00
70	0.70	0.77	12.04	-6.04	1.57	0.77	1.57	3.00	2.95	15.75	10.87	0.00	10.87	69.74	1.59	-0.01	4.00	0.88	2.00	2.70	14.96	-0.56	26.62	4.00
71	0.71	0.77	11.92	-6.04	1.54	0.77	1.55	3.00	2.95	15.74	11.02	0.00	11.02	68.73	1.57	-0.01	4.00	0.88	2.00	2.70	14.96	-0.55	26.68	4.00
72	0.72	0.79	11.67	-6.13	1.49	0.79	1.48	4.00	2.93	15.72	11.18	0.00	11.18	69.54	1.50	-0.01	4.00	0.88	2.00	2.68	15.35	-0.55	27.24	4.00
73	0.73	0.79	11.63	-6.23	1.47	0.79	1.47	4.00	2.93	15.72	11.34	0.00	11.34	68.56	1.50	-0.01	4.00	0.88	2.00	2.68	15.34	-0.55	27.26	4.00
74	0.74	0.80	11.63	-6.23	1.46	0.80	1.46	4.00	2.92	15.72	11.50	0.00	11.50	68.48	1.48	-0.01	4.00	0.87	2.00	2.67	15.54	-0.54	27.47	4.00
75	0.75	0.80	11.32	-6.33	1.41	0.80	1.42	4.00	2.92	15.69	11.65	0.00	11.65	67.54	1.44	-0.01	4.00	0.87	2.00	2.66	15.53	-0.54	27.65	4.00
76	0.76	0.80	11.26	-6.42	1.41	0.80	1.41	4.00	2.91	15.69	11.81	0.00	11.81	66.63	1.43	-0.01	4.00	0.87	2.00	2.66	15.53	-0.54	27.68	4.00
77	0.77	0.80	11.13	-6.52	1.39	0.80	1.39	4.00	2.91	15.67	11.97	0.00	11.97	65.74	1.41	-0.01	4.00	0.87	2.00	2.66	15.53	-0.54	27.76	4.00
78	0.78	0.80	11.22	-6.61	1.41	0.80	1.40	4.00	2.91	15.68	12.12	0.00	12.12	64.87	1.43	-0.01	4.00	0.87	2.00	2.66	15.52	-0.55	27.70	4.00
79	0.79	0.79	11.10	-6.71	1.40	0.79	1.41	4.00	2.92	15.67	12.28	0.00	12.28	63.22	1.43	-0.01	4.00	0.87	2.00	2.67	15.32	-0.55	27.55	4.00
80	0.80	0.79	10.72	-6.80	1.36	0.79	1.36	4.00	2.91	15.63	12.44	0.00	12.44	62.41	1.38	-0.01	4.00	0.87	2.00	2.66	15.32	-0.55	27.78	4.00
81	0.81	0.80	10.47	-6.90	1.32	0.80	1.31	4.00	2.90	15.60	12.59	0.00	12.59	62.42	1.33	-0.01	4.00	0.86	2.00	2.65	15.51	-0.55	28.14	4.00
82	0.82	0.80	10.47	-6.90	1.32	0.80	1.31	4.00	2.90	15.60	12.75	0.00	12.75	61.64	1.33	-0.01	4.00	0.86	2.00	2.65	15.51	-0.54	28.14	4.00
83	0.83	0.80	10.47	-6.90	1.32	0.80	1.31	4.00	2.90	15.60	12.90	0.00	12.90	60.88	1.33	-0.01	4.00	0.86	2.00	2.65	15.51	-0.53	28.13	4.00
84	0.84	0.78	9.41	-8.91	1.21	0.78	1.21	4.00	2.89	15.47	13.06	0.00	13.06	58.59	1.23	-0.01	4.00	0.86	2.00	2.64	15.10	-0.68	28.34	4.00
85	0.85	0.78	9.41	-8.91	1.21	0.78	1.21	4.00	2.89	15.47	13.21	0.00	13.21	57.89	1.23	-0.01	4.00	0.86	2.00	2.64	15.10	-0.67	28.34	4.00
86	0.86	0.78	9.41	-8.91	1.21	0.78	1.21	4.00	2.89	15.47	13.37	0.00	13.37	57.21	1.23	-0.01	4.00	0.86	2.00	2.64	15.10	-0.67	28.33	4.00
87	0.87	0.78	9.41	-7.38	1.21	0.78	1.21	4.00	2.89	15.47	13.52	0.00	13.52	56.56	1.23	-0.01	4.00	0.86	2.00	2.64	15.10	-0.55	28.34	4.00
88	0.88	0.74	8.80	-7.19	1.18	0.74	1.19	4.00	2.91	15.37	13.68	0.00	13.68	53.00	1.21	-0.01	4.00	0.87	2.00	2.66	14.31	-0.53	27.82	4.00
89	0.89	0.75	8.89	-7.19	1.19	0.75	1.19	4.00	2.91	15.39	13.83	0.00	13.83	53.12	1.21	-0.01	4.00	0.87	2.00	2.65	14.50	-0.52	27.99	4.00
90	0.90	0.75	8.89	-7.09	1.18	0.75	1.19	4.00	2.91	15.39	13.98	0.00	13.98	52.52	1.21	-0.01	4.00	0.87	2.00	2.65	14.50	-0.51	27.98	4.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
91	0.91	0.77	8.39	-7.09	1.09	0.77	1.09	4.00	2.88	15.33	14.14	0.00	14.14	53.36	1.11	-0.01	4.00	0.86	2.00	2.62	14.89	-0.50	28.75	4.00
92	0.92	0.78	8.61	-7.09	1.10	0.78	1.11	4.00	2.88	15.37	14.29	0.00	14.29	53.47	1.13	-0.01	4.00	0.86	2.00	2.62	15.08	-0.50	28.83	4.00
93	0.93	0.85	9.90	-6.90	1.17	0.85	1.17	4.00	2.85	15.56	14.45	0.00	14.45	57.73	1.19	-0.01	4.00	0.85	2.00	2.60	16.46	-0.48	29.56	4.00
94	0.94	0.88	10.03	-6.90	1.14	0.88	1.14	4.00	2.84	15.59	14.60	0.00	14.60	59.16	1.16	-0.01	4.00	0.84	2.00	2.58	17.05	-0.47	30.13	4.00
95	0.95	0.92	10.09	-6.71	1.10	0.92	1.10	4.00	2.81	15.61	14.76	0.00	14.76	61.24	1.12	-0.01	5.00	0.83	2.00	2.56	17.84	-0.45	30.96	4.00
96	0.96	1.03	10.06	-6.42	0.98	1.03	0.98	4.00	2.74	15.65	14.92	0.00	14.92	67.96	0.99	-0.01	5.00	0.80	2.00	2.49	20.01	-0.43	33.40	6.00
97	0.97	1.10	9.99	-6.33	0.91	1.10	0.91	4.00	2.71	15.67	15.07	0.00	15.07	71.89	0.92	-0.01	5.00	0.79	2.00	2.45	21.39	-0.42	34.99	6.00
98	0.98	1.28	10.15	-5.94	0.80	1.28	0.79	4.00	2.62	15.75	15.23	0.00	15.23	82.96	0.80	0.00	5.00	0.76	2.00	2.36	24.94	-0.39	38.81	6.00
99	0.99	1.38	10.59	-5.75	0.77	1.38	0.77	5.00	2.58	15.83	15.39	0.00	15.39	88.60	0.78	0.00	5.00	0.74	2.00	2.32	26.91	-0.37	40.61	6.00
100	1.00	1.53	12.20	-5.56	0.80	1.53	0.80	5.00	2.55	16.03	15.55	0.00	15.55	97.33	0.81	0.00	5.00	0.73	2.00	2.29	29.87	-0.36	42.38	6.00
101	1.01	1.56	13.21	-5.56	0.84	1.56	0.85	5.00	2.56	16.13	15.71	0.00	15.71	98.23	0.86	0.00	5.00	0.73	2.00	2.30	30.46	-0.35	42.11	6.00
102	1.02	1.57	14.03	-5.56	0.89	1.57	0.89	5.00	2.56	16.20	15.87	0.00	15.87	97.84	0.90	0.00	5.00	0.74	2.00	2.31	30.65	-0.35	41.61	6.00
103	1.03	1.53	15.32	-5.56	1.00	1.53	1.00	4.00	2.60	16.29	16.03	0.00	16.03	94.34	1.01	0.00	5.00	0.75	2.00	2.34	29.86	-0.35	39.77	6.00
104	1.04	1.50	16.24	-5.65	1.08	1.50	1.08	4.00	2.62	16.35	16.20	0.00	16.20	91.53	1.10	0.00	5.00	0.76	2.00	2.37	29.26	-0.35	38.47	6.00
105	1.05	1.46	17.75	-5.65	1.21	1.46	1.22	4.00	2.65	16.44	16.36	0.00	16.36	88.15	1.23	0.00	5.00	0.77	2.00	2.40	28.47	-0.35	36.63	6.00
106	1.06	1.37	20.18	-5.85	1.47	1.37	1.47	4.00	2.72	16.56	16.53	0.00	16.53	81.81	1.49	0.00	5.00	0.80	2.00	2.47	26.69	-0.35	33.41	6.00
107	1.07	1.34	21.19	-5.85	1.58	1.34	1.58	4.00	2.74	16.61	16.69	0.00	16.69	79.19	1.60	0.00	5.00	0.81	2.00	2.50	26.10	-0.35	32.28	7.00
108	1.08	1.28	22.51	-5.94	1.76	1.28	1.76	4.00	2.79	16.66	16.86	0.00	16.86	74.84	1.78	0.00	4.00	0.83	2.00	2.54	24.91	-0.35	30.51	5.00
109	1.09	1.24	22.95	-6.04	1.84	1.24	1.85	4.00	2.81	16.67	17.03	0.00	17.03	71.75	1.88	0.00	4.00	0.84	2.00	2.57	24.11	-0.35	29.59	5.00
110	1.10	1.17	23.62	-6.23	2.02	1.17	2.02	4.00	2.85	16.69	17.19	0.00	17.19	66.97	2.05	-0.01	4.00	0.85	2.00	2.61	22.73	-0.36	28.06	5.00
111	1.11	1.14	23.74	-6.23	2.08	1.14	2.08	4.00	2.87	16.68	17.36	0.00	17.36	64.59	2.12	-0.01	4.00	0.86	2.00	2.63	22.13	-0.36	27.50	5.00
112	1.12	1.11	23.77	-6.33	2.14	1.11	2.14	4.00	2.88	16.67	17.53	0.00	17.53	62.25	2.18	-0.01	4.00	0.87	2.00	2.64	21.54	-0.36	26.97	5.00
113	1.13	1.07	23.71	-6.42	2.21	1.07	2.22	3.00	2.91	16.66	17.69	0.00	17.69	59.39	2.26	-0.01	4.00	0.87	2.00	2.67	20.74	-0.36	26.32	5.00
114	1.14	1.06	23.36	-6.52	2.20	1.06	2.21	3.00	2.91	16.63	17.86	0.00	17.86	58.27	2.24	-0.01	4.00	0.88	2.00	2.67	20.54	-0.37	26.31	5.00
115	1.15	1.04	22.29	-6.52	2.15	1.04	2.15	3.00	2.91	16.57	18.03	0.00	18.03	56.62	2.18	-0.01	4.00	0.88	2.00	2.67	20.15	-0.36	26.44	5.00
116	1.16	1.03	21.63	-6.61	2.11	1.03	2.10	4.00	2.91	16.53	18.19	0.00	18.19	55.54	2.14	-0.01	4.00	0.88	2.00	2.67	19.94	-0.36	26.57	4.00
117	1.17	1.00	20.02	-6.71	1.99	1.00	2.00	4.00	2.91	16.43	18.36	0.00	18.36	53.40	2.04	-0.01	4.00	0.87	2.00	2.67	19.35	-0.37	26.80	4.00
118	1.18	0.99	19.20	-6.71	1.94	0.99	1.94	4.00	2.90	16.38	18.52	0.00	18.52	52.38	1.98	-0.01	4.00	0.87	2.00	2.66	19.15	-0.36	27.01	4.00
119	1.19	0.98	18.29	-6.80	1.87	0.98	1.87	4.00	2.90	16.32	18.68	0.00	18.68	51.38	1.91	-0.01	4.00	0.87	2.00	2.66	18.95	-0.36	27.28	4.00
120	1.20	0.97	16.49	-6.90	1.71	0.97	1.70	4.00	2.88	16.20	18.85	0.00	18.85	50.39	1.74	-0.01	4.00	0.86	2.00	2.64	18.75	-0.37	28.03	4.00
121	1.21	0.97	15.86	-6.90	1.64	0.97	1.64	4.00	2.87	16.15	19.01	0.00	19.01	49.96	1.67	-0.01	4.00	0.86	2.00	2.63	18.74	-0.36	28.37	4.00
122	1.22	0.98	15.32	-6.90	1.57	0.98	1.57	4.00	2.86	16.12	19.17	0.00	19.17	50.05	1.60	-0.01	4.00	0.86	2.00	2.61	18.94	-0.36	28.87	4.00
123	1.23	1.01	14.22	-6.80	1.40	1.01	1.41	4.00	2.83	16.04	19.33	0.00	19.33	51.18	1.44	-0.01	4.00	0.84	2.00	2.58	19.53	-0.35	30.11	4.00
124	1.24	1.03	13.62	-6.90	1.32	1.03	1.32	4.00	2.81	16.00	19.49	0.00	19.49	51.78	1.35	-0.01	4.00	0.83	2.00	2.56	19.92	-0.35	30.88	4.00
125	1.25	1.06	13.05	-6.80	1.23	1.06	1.23	4.00	2.78	15.96	19.65	0.00	19.65	52.88	1.26	-0.01	5.00	0.82	2.00	2.53	20.51	-0.35	31.86	4.00
126	1.26	1.08	12.77	-6.80	1.18	1.08	1.18	4.00	2.76	15.95	19.81	0.00	19.81	53.45	1.21	-0.01	5.00	0.82	2.00	2.51	20.90	-0.34	32.45	6.00
127	1.27	1.14	12.80	-6.71	1.13	1.14	1.12	4.00	2.73	15.97	19.97	0.00	19.97	56.02	1.14	-0.01	5.00	0.81	2.00	2.48	22.08	-0.34	33.67	6.00
128	1.28	1.17	13.08	-6.71	1.12	1.17	1.12	4.00	2.72	16.01	20.13	0.00	20.13	57.06	1.14	-0.01	5.00	0.80	2.00	2.47	22.67	-0.33	34.09	6.00
129	1.29	1.20	13.62	-6.71	1.14	1.20	1.14	4.00	2.72	16.06	20.29	0.00	20.29	58.08	1.16	-0.01	5.00	0.80	2.00	2.46	23.26	-0.33	34.33	6.00
130	1.30	1.20	13.97	-6.71	1.17	1.20	1.17	4.00	2.72	16.09	20.45	0.00	20.45	57.61	1.19	-0.01	5.00	0.80	2.00	2.47	23.25	-0.33	34.08	6.00
131	1.31	1.18	14.79	-6.71	1.25	1.18	1.25	4.00	2.74	16.15	20.61	0.00	20.61	56.18	1.28	-0.01	5.00	0.81	2.00	2.49	22.86	-0.33	33.12	6.00
132	1.32	1.18	15.32	-6.71	1.30	1.18	1.30	4.00	2.75	16.19	20.77	0.00	20.77	55.74	1.32	-0.01	5.00	0.81	2.00	2.50	22.85	-0.32	32.78	6.00
133	1.33	1.17	15.58	-6.80	1.33	1.17	1.33	4.00	2.76	16.21	20.93	0.00	20.93	54.82	1.36	-0.01	5.00	0.82	2.00	2.51	22.65	-0.32	32.41	6.00
134	1.34	1.18	16.02	-6.80	1.36	1.18	1.36	4.00	2.76	16.24	21.10	0.00	21.10	54.86	1.38	-0.01	5.00	0.82	2.00	2.51	22.85	-0.32	32.32	6.00
135	1.35	1.19	16.24	-6.90	1.37	1.19	1.37	4.00	2.76	16.26	21.26	0.00	21.26	54.91	1.39	-0.01	5.00	0.82	2.00	2.51	23.04	-0.32	32.38	6.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
136	1.36	1.20	16.68	-6.90	1.39	1.20	1.39	4.00	2.76	16.29	21.42	0.00	21.42	54.95	1.42	-0.01	5.00	0.82	2.00	2.51	23.23	-0.32	32.29	6.00
137	1.37	1.20	16.96	-6.90	1.41	1.20	1.42	4.00	2.76	16.31	21.59	0.00	21.59	54.52	1.44	-0.01	5.00	0.82	2.00	2.52	23.23	-0.32	32.12	6.00
138	1.38	1.20	17.31	-6.90	1.45	1.20	1.44	4.00	2.77	16.34	21.75	0.00	21.75	54.11	1.47	-0.01	5.00	0.82	2.00	2.52	23.23	-0.32	31.90	4.00
139	1.39	1.20	17.56	-7.00	1.47	1.20	1.47	4.00	2.77	16.35	21.91	0.00	21.91	53.70	1.49	-0.01	5.00	0.82	2.00	2.52	23.22	-0.32	31.75	4.00
140	1.40	1.17	18.16	-7.00	1.55	1.17	1.55	4.00	2.79	16.38	22.08	0.00	22.08	51.93	1.58	-0.01	4.00	0.83	2.00	2.55	22.63	-0.32	30.83	4.00
141	1.41	1.17	18.16	-7.00	1.55	1.17	1.55	4.00	2.79	16.38	22.24	0.00	22.24	51.54	1.58	-0.01	4.00	0.83	2.00	2.55	22.63	-0.31	30.82	4.00
142	1.42	1.15	19.08	-7.09	1.66	1.15	1.66	4.00	2.81	16.43	22.40	0.00	22.40	50.26	1.69	-0.01	4.00	0.84	2.00	2.57	22.23	-0.32	29.93	4.00
143	1.43	1.13	19.42	-7.09	1.72	1.13	1.72	4.00	2.83	16.45	22.57	0.00	22.57	49.00	1.76	-0.01	4.00	0.85	2.00	2.59	21.83	-0.31	29.38	4.00
144	1.44	1.12	19.86	-7.19	1.77	1.12	1.78	4.00	2.84	16.47	22.73	0.00	22.73	48.20	1.81	-0.01	4.00	0.85	2.00	2.60	21.63	-0.32	28.96	4.00
145	1.45	1.07	20.46	-7.28	1.91	1.07	1.91	4.00	2.87	16.49	22.90	0.00	22.90	45.66	1.96	-0.01	4.00	0.86	2.00	2.63	20.64	-0.32	27.76	4.00
146	1.46	1.05	20.46	-7.38	1.95	1.05	1.95	4.00	2.88	16.48	23.06	0.00	23.06	44.46	2.00	-0.01	4.00	0.87	2.00	2.64	20.24	-0.32	27.39	4.00
147	1.47	0.98	20.46	-7.57	2.08	0.98	2.09	3.00	2.92	16.45	23.23	0.00	23.23	41.12	2.14	-0.01	4.00	0.89	2.00	2.69	18.85	-0.33	26.14	4.00
148	1.48	0.96	20.72	-7.67	2.15	0.96	2.16	3.00	2.94	16.46	23.39	0.00	23.39	39.97	2.22	-0.01	4.00	0.89	2.00	2.70	18.46	-0.33	25.66	4.00
149	1.49	0.93	21.16	-7.76	2.26	0.93	2.28	3.00	2.96	16.47	23.56	0.00	23.56	38.41	2.34	-0.01	4.00	0.90	2.00	2.73	17.86	-0.33	24.93	4.00
150	1.50	0.92	21.09	-7.76	2.28	0.92	2.30	3.00	2.97	16.46	23.72	0.00	23.72	37.71	2.36	-0.01	4.00	0.90	2.00	2.73	17.66	-0.33	24.78	4.00
151	1.51	0.91	21.00	-7.86	2.30	0.91	2.31	3.00	2.97	16.45	23.89	0.00	23.89	37.03	2.37	-0.01	4.00	0.91	2.00	2.74	17.46	-0.33	24.64	4.00
152	1.52	0.91	21.06	-7.86	2.32	0.91	2.32	3.00	2.97	16.46	24.05	0.00	24.05	36.77	2.38	-0.01	4.00	0.91	2.00	2.74	17.45	-0.33	24.61	4.00
153	1.53	0.92	21.28	-7.86	2.32	0.92	2.32	3.00	2.97	16.47	24.22	0.00	24.22	36.92	2.38	-0.01	4.00	0.90	2.00	2.74	17.65	-0.32	24.69	4.00
154	1.54	0.94	21.69	-7.86	2.31	0.94	2.31	3.00	2.96	16.50	24.38	0.00	24.38	37.49	2.37	-0.01	4.00	0.90	2.00	2.73	18.04	-0.32	24.86	4.00
155	1.55	0.93	21.63	-7.86	2.31	0.93	2.33	3.00	2.97	16.50	24.55	0.00	24.55	36.82	2.39	-0.01	4.00	0.90	2.00	2.73	17.84	-0.32	24.70	4.00
156	1.56	0.93	21.19	-7.76	2.27	0.93	2.28	3.00	2.96	16.47	24.71	0.00	24.71	36.57	2.34	-0.01	4.00	0.90	2.00	2.73	17.84	-0.31	24.89	4.00
157	1.57	0.93	20.72	-7.86	2.22	0.93	2.23	3.00	2.96	16.45	24.87	0.00	24.87	36.32	2.29	-0.01	4.00	0.90	2.00	2.72	17.83	-0.32	25.10	4.00
158	1.58	0.93	20.40	-7.86	2.18	0.93	2.20	3.00	2.95	16.43	25.04	0.00	25.04	36.08	2.26	-0.01	4.00	0.90	2.00	2.72	17.83	-0.31	25.24	4.00
159	1.59	0.92	19.71	-7.95	2.13	0.92	2.15	3.00	2.95	16.38	25.20	0.00	25.20	35.44	2.21	-0.01	4.00	0.90	2.00	2.72	17.63	-0.32	25.37	4.00
160	1.60	0.92	19.61	-7.95	2.12	0.92	2.14	3.00	2.95	16.38	25.37	0.00	25.37	35.20	2.20	-0.01	4.00	0.90	2.00	2.72	17.63	-0.31	25.41	4.00
161	1.61	0.92	19.33	-8.05	2.10	0.92	2.10	3.00	2.95	16.36	25.53	0.00	25.53	34.97	2.17	-0.01	4.00	0.90	2.00	2.71	17.62	-0.32	25.54	4.00
162	1.62	0.92	19.26	-8.05	2.09	0.92	2.10	3.00	2.95	16.36	25.69	0.00	25.69	34.74	2.16	-0.01	4.00	0.90	2.00	2.71	17.62	-0.31	25.57	4.00
163	1.63	0.96	18.60	-8.05	1.95	0.96	1.94	4.00	2.91	16.33	25.86	0.00	25.86	36.06	1.99	-0.01	4.00	0.88	2.00	2.68	18.41	-0.31	26.62	4.00
164	1.64	0.98	18.57	-8.05	1.90	0.98	1.90	4.00	2.90	16.34	26.02	0.00	26.02	36.60	1.95	-0.01	4.00	0.88	2.00	2.67	18.80	-0.31	27.00	4.00
165	1.65	1.00	18.67	-7.95	1.86	1.00	1.87	4.00	2.89	16.35	26.18	0.00	26.18	37.13	1.92	-0.01	4.00	0.87	2.00	2.65	19.19	-0.30	27.32	4.00
166	1.66	1.02	18.67	-7.95	1.83	1.02	1.83	4.00	2.88	16.36	26.35	0.00	26.35	37.65	1.88	-0.01	4.00	0.87	2.00	2.64	19.58	-0.30	27.68	4.00
167	1.67	1.06	18.04	-7.95	1.71	1.06	1.70	4.00	2.85	16.34	26.51	0.00	26.51	38.92	1.75	-0.01	4.00	0.86	2.00	2.61	20.37	-0.30	28.75	4.00
168	1.68	1.06	17.88	-7.95	1.68	1.06	1.69	4.00	2.85	16.33	26.67	0.00	26.67	38.68	1.73	-0.01	4.00	0.86	2.00	2.61	20.36	-0.30	28.84	4.00
169	1.69	1.06	17.94	-7.95	1.69	1.06	1.70	4.00	2.85	16.33	26.84	0.00	26.84	38.43	1.74	-0.01	4.00	0.86	2.00	2.61	20.36	-0.30	28.80	4.00
170	1.70	1.04	18.29	-8.05	1.76	1.04	1.76	4.00	2.86	16.35	27.00	0.00	27.00	37.45	1.81	-0.01	4.00	0.86	2.00	2.62	19.96	-0.30	28.24	4.00
171	1.71	1.03	18.35	-8.15	1.79	1.03	1.78	4.00	2.87	16.35	27.16	0.00	27.16	36.85	1.83	-0.01	4.00	0.87	2.00	2.63	19.76	-0.30	28.02	4.00
172	1.72	0.98	18.76	-8.24	1.91	0.98	1.92	4.00	2.90	16.35	27.33	0.00	27.33	34.80	1.97	-0.01	4.00	0.88	2.00	2.67	18.77	-0.30	26.88	4.00
173	1.73	0.96	18.92	-8.34	1.98	0.96	1.97	4.00	2.92	16.35	27.49	0.00	27.49	33.86	2.03	-0.01	4.00	0.89	2.00	2.68	18.37	-0.30	26.43	4.00
174	1.74	0.92	19.01	-8.43	2.07	0.92	2.07	3.00	2.95	16.34	27.66	0.00	27.66	32.20	2.13	-0.01	4.00	0.90	2.00	2.71	17.58	-0.30	25.65	4.00
175	1.75	0.91	18.98	-8.43	2.09	0.91	2.09	3.00	2.95	16.34	27.82	0.00	27.82	31.65	2.16	-0.01	4.00	0.90	2.00	2.72	17.38	-0.30	25.48	4.00
176	1.76	0.90	18.73	-8.53	2.08	0.90	2.09	3.00	2.95	16.32	27.98	0.00	27.98	31.10	2.15	-0.01	4.00	0.90	2.00	2.72	17.18	-0.30	25.41	4.00
177	1.77	0.90	18.04	-8.43	2.00	0.90	2.01	3.00	2.95	16.27	28.14	0.00	28.14	30.91	2.07	-0.01	4.00	0.90	2.00	2.71	17.17	-0.30	25.73	4.00
178	1.78	0.90	17.72	-8.53	1.97	0.90	1.97	3.00	2.94	16.25	28.31	0.00	28.31	30.73	2.04	-0.01	4.00	0.90	2.00	2.71	17.17	-0.30	25.88	4.00
179	1.79	0.90	17.12	-8.53	1.90	0.90	1.91	3.00	2.93	16.21	28.47	0.00	28.47	30.55	1.97	-0.01	4.00	0.89	2.00	2.70	17.17	-0.30	26.17	4.00
180	1.80	0.91	16.93	-8.53	1.86	0.91	1.86	3.00	2.93	16.21	28.63	0.00	28.63	30.72	1.92	-0.01	4.00	0.89	2.00	2.69	17.36	-0.30	26.46	4.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
181	1.81	0.91	16.62	-8.53	1.82	0.91	1.83	4.00	2.92	16.18	28.79	0.00	28.79	30.54	1.89	-0.01	4.00	0.89	2.00	2.69	17.36	-0.30	26.61	4.00
182	1.82	0.93	15.61	-8.53	1.68	0.93	1.68	4.00	2.89	16.12	28.95	0.00	28.95	31.06	1.74	-0.01	4.00	0.88	2.00	2.66	17.75	-0.29	27.53	4.00
183	1.83	0.94	14.76	-8.63	1.57	0.94	1.57	4.00	2.88	16.06	29.11	0.00	29.11	31.22	1.62	-0.01	4.00	0.87	2.00	2.64	17.94	-0.30	28.19	4.00
184	1.84	0.95	14.19	-8.63	1.50	0.95	1.50	4.00	2.86	16.02	29.28	0.00	29.28	31.39	1.54	-0.01	4.00	0.86	2.00	2.62	18.14	-0.29	28.71	4.00
185	1.85	0.95	12.93	-8.63	1.37	0.95	1.36	4.00	2.84	15.91	29.43	0.00	29.43	31.21	1.41	-0.01	4.00	0.86	2.00	2.60	18.13	-0.29	29.45	4.00
186	1.86	0.94	12.49	-8.63	1.33	0.94	1.33	4.00	2.84	15.87	29.59	0.00	29.59	30.70	1.37	-0.01	4.00	0.85	2.00	2.60	17.93	-0.29	29.51	4.00
187	1.87	0.94	11.63	-8.72	1.24	0.94	1.24	4.00	2.83	15.79	29.75	0.00	29.75	30.53	1.28	-0.01	4.00	0.85	2.00	2.58	17.93	-0.29	30.05	4.00
188	1.88	0.93	11.10	-8.72	1.19	0.93	1.20	4.00	2.82	15.73	29.91	0.00	29.91	30.03	1.24	-0.01	4.00	0.85	2.00	2.58	17.73	-0.29	30.17	4.00
189	1.89	0.95	10.47	-8.72	1.11	0.95	1.10	4.00	2.80	15.67	30.06	0.00	30.06	30.54	1.14	-0.01	4.00	0.84	2.00	2.55	18.12	-0.29	31.02	4.00
190	1.90	0.95	10.34	-8.72	1.09	0.95	1.09	4.00	2.80	15.65	30.22	0.00	30.22	30.37	1.13	-0.01	5.00	0.84	2.00	2.55	18.12	-0.29	31.10	4.00
191	1.91	0.95	10.34	-8.72	1.09	0.95	1.09	4.00	2.80	15.65	30.38	0.00	30.38	30.21	1.13	-0.01	5.00	0.84	2.00	2.55	18.12	-0.29	31.10	4.00
192	1.92	0.95	10.34	-8.72	1.09	0.95	1.09	4.00	2.80	15.65	30.53	0.00	30.53	30.05	1.13	-0.01	5.00	0.84	2.00	2.55	18.11	-0.29	31.09	4.00
193	1.93	0.97	8.89	-7.57	0.92	0.97	0.92	4.00	2.76	15.49	30.69	0.00	30.69	30.56	0.95	-0.01	5.00	0.82	2.00	2.51	18.51	-0.25	32.56	6.00
194	1.94	0.97	8.99	-7.57	0.93	0.97	0.93	4.00	2.76	15.50	30.84	0.00	30.84	30.40	0.96	-0.01	5.00	0.82	2.00	2.51	18.51	-0.25	32.49	6.00
195	1.95	0.97	9.02	-7.57	0.93	0.97	0.93	4.00	2.76	15.51	31.00	0.00	31.00	30.24	0.96	-0.01	5.00	0.82	2.00	2.51	18.50	-0.24	32.46	6.00
196	1.96	0.97	9.27	-7.57	0.96	0.97	0.96	4.00	2.76	15.54	31.15	0.00	31.15	30.08	0.99	-0.01	5.00	0.82	2.00	2.52	18.50	-0.24	32.28	6.00
197	1.97	0.97	9.49	-7.67	0.98	0.97	0.98	4.00	2.77	15.56	31.31	0.00	31.31	29.93	1.01	-0.01	5.00	0.83	2.00	2.52	18.50	-0.24	32.12	4.00
198	1.98	0.97	10.03	-7.57	1.04	0.97	1.04	4.00	2.78	15.63	31.47	0.00	31.47	29.78	1.07	-0.01	5.00	0.83	2.00	2.53	18.49	-0.24	31.73	4.00
199	1.99	0.97	10.47	-7.57	1.08	0.97	1.08	4.00	2.79	15.68	31.62	0.00	31.62	29.62	1.12	-0.01	5.00	0.83	2.00	2.54	18.49	-0.24	31.42	4.00
200	2.00	0.98	11.48	-7.57	1.17	0.98	1.17	4.00	2.80	15.79	31.78	0.00	31.78	29.79	1.21	-0.01	4.00	0.84	2.00	2.56	18.68	-0.24	30.96	4.00
201	2.01	0.99	11.82	-7.57	1.20	0.99	1.20	4.00	2.80	15.82	31.94	0.00	31.94	29.95	1.24	-0.01	4.00	0.84	2.00	2.56	18.88	-0.24	30.94	4.00
202	2.02	0.99	12.11	-7.57	1.22	0.99	1.23	4.00	2.80	15.85	32.10	0.00	32.10	29.79	1.27	-0.01	4.00	0.84	2.00	2.56	18.88	-0.24	30.75	4.00
203	2.03	0.99	12.83	-7.48	1.29	0.99	1.30	4.00	2.82	15.92	32.26	0.00	32.26	29.64	1.34	-0.01	4.00	0.85	2.00	2.57	18.87	-0.23	30.29	4.00
204	2.04	1.00	13.15	-7.57	1.31	1.00	1.32	4.00	2.82	15.95	32.42	0.00	32.42	29.80	1.36	-0.01	4.00	0.85	2.00	2.57	19.07	-0.23	30.29	4.00
205	2.05	1.01	13.81	-7.48	1.37	1.01	1.37	4.00	2.82	16.01	32.58	0.00	32.58	29.96	1.42	-0.01	4.00	0.85	2.00	2.58	19.26	-0.23	30.09	4.00
206	2.06	1.04	14.63	-7.38	1.40	1.04	1.41	4.00	2.81	16.09	32.74	0.00	32.74	30.72	1.45	-0.01	4.00	0.85	2.00	2.57	19.85	-0.23	30.19	4.00
207	2.07	1.08	15.54	-7.38	1.44	1.08	1.44	4.00	2.81	16.17	32.90	0.00	32.90	31.78	1.49	-0.01	4.00	0.84	2.00	2.57	20.64	-0.22	30.43	4.00
208	2.08	1.15	16.02	-7.28	1.39	1.15	1.39	4.00	2.77	16.23	33.06	0.00	33.06	33.74	1.44	-0.01	5.00	0.83	2.00	2.53	22.02	-0.22	31.51	4.00
209	2.09	1.18	16.17	-7.28	1.37	1.18	1.37	4.00	2.76	16.25	33.22	0.00	33.22	34.47	1.41	-0.01	5.00	0.83	2.00	2.52	22.61	-0.22	31.99	4.00
210	2.10	1.21	16.68	-7.19	1.38	1.21	1.38	4.00	2.75	16.30	33.39	0.00	33.39	35.20	1.42	-0.01	5.00	0.82	2.00	2.51	23.19	-0.22	32.25	6.00
211	2.11	1.22	16.93	-7.28	1.39	1.22	1.39	4.00	2.75	16.32	33.55	0.00	33.55	35.32	1.43	-0.01	5.00	0.82	2.00	2.51	23.39	-0.22	32.29	6.00
212	2.12	1.23	17.06	-7.19	1.38	1.23	1.39	4.00	2.75	16.33	33.71	0.00	33.71	35.44	1.43	-0.01	5.00	0.82	2.00	2.51	23.58	-0.21	32.39	6.00
213	2.13	1.24	16.87	-7.19	1.36	1.24	1.36	4.00	2.74	16.32	33.88	0.00	33.88	35.56	1.40	-0.01	5.00	0.82	2.00	2.50	23.78	-0.21	32.70	6.00
214	2.14	1.24	16.77	-7.19	1.35	1.24	1.35	4.00	2.74	16.31	34.04	0.00	34.04	35.38	1.39	-0.01	5.00	0.82	2.00	2.50	23.77	-0.21	32.76	6.00
215	2.15	1.26	16.49	-7.19	1.31	1.26	1.31	4.00	2.73	16.30	34.20	0.00	34.20	35.79	1.35	-0.01	5.00	0.81	2.00	2.49	24.17	-0.21	33.32	6.00
216	2.16	1.27	16.40	-7.19	1.30	1.27	1.29	4.00	2.72	16.30	34.37	0.00	34.37	35.91	1.33	-0.01	5.00	0.81	2.00	2.48	24.36	-0.21	33.56	6.00
217	2.17	1.27	16.46	-7.19	1.29	1.27	1.30	4.00	2.72	16.30	34.53	0.00	34.53	35.74	1.33	-0.01	5.00	0.81	2.00	2.48	24.36	-0.21	33.52	6.00
218	2.18	1.27	16.36	-7.19	1.29	1.27	1.29	4.00	2.72	16.29	34.69	0.00	34.69	35.56	1.33	-0.01	5.00	0.81	2.00	2.48	24.35	-0.21	33.58	6.00
219	2.19	1.27	16.33	-7.19	1.28	1.27	1.29	4.00	2.72	16.29	34.85	0.00	34.85	35.39	1.32	-0.01	5.00	0.81	2.00	2.48	24.35	-0.21	33.60	6.00
220	2.20	1.27	16.43	-7.19	1.29	1.27	1.30	4.00	2.72	16.30	35.02	0.00	35.02	35.22	1.33	-0.01	5.00	0.81	2.00	2.48	24.35	-0.21	33.53	6.00
221	2.21	1.26	16.52	-7.28	1.31	1.26	1.31	4.00	2.73	16.30	35.18	0.00	35.18	34.77	1.35	-0.01	5.00	0.81	2.00	2.49	24.15	-0.21	33.28	6.00
222	2.22	1.26	16.65	-7.28	1.33	1.26	1.32	4.00	2.73	16.31	35.34	0.00	35.34	34.61	1.36	-0.01	5.00	0.82	2.00	2.49	24.14	-0.21	33.19	6.00
223	2.23	1.24	16.87	-7.28	1.36	1.24	1.36	4.00	2.74	16.32	35.51	0.00	35.51	33.88	1.40	-0.01	5.00	0.82	2.00	2.50	23.74	-0.21	32.67	6.00
224	2.24	1.24	17.12	-7.28	1.38	1.24	1.38	4.00	2.74	16.34	35.67	0.00	35.67	33.72	1.42	-0.01	5.00	0.82	2.00	2.50	23.74	-0.20	32.51	6.00
225	2.25	1.24	17.18	-7.28	1.39	1.24	1.39	4.00	2.74	16.34	35.83	0.00	35.83	33.56	1.43	-0.01	5.00	0.82	2.00	2.51	23.74	-0.20	32.47	6.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
226	2.26	1.24	17.34	-7.28	1.40	1.24	1.40	4.00	2.75	16.35	36.00	0.00	36.00	33.40	1.44	-0.01	5.00	0.82	2.00	2.51	23.73	-0.20	32.37	6.00
227	2.27	1.24	17.63	-7.28	1.42	1.24	1.42	4.00	2.75	16.37	36.16	0.00	36.16	33.25	1.47	-0.01	5.00	0.82	2.00	2.51	23.73	-0.20	32.19	6.00
228	2.28	1.24	18.29	-7.38	1.48	1.24	1.48	4.00	2.76	16.41	36.33	0.00	36.33	33.09	1.52	-0.01	5.00	0.83	2.00	2.52	23.73	-0.20	31.79	4.00
229	2.29	1.24	18.54	-7.28	1.49	1.24	1.50	4.00	2.76	16.43	36.49	0.00	36.49	32.94	1.54	-0.01	5.00	0.83	2.00	2.52	23.73	-0.20	31.64	4.00
230	2.30	1.25	18.85	-7.28	1.51	1.25	1.51	4.00	2.76	16.45	36.65	0.00	36.65	33.06	1.56	-0.01	5.00	0.83	2.00	2.52	23.92	-0.20	31.64	4.00
231	2.31	1.24	19.04	-7.38	1.53	1.24	1.54	4.00	2.77	16.46	36.82	0.00	36.82	32.64	1.58	-0.01	4.00	0.83	2.00	2.53	23.72	-0.20	31.34	4.00
232	2.32	1.26	19.14	-7.28	1.52	1.26	1.52	4.00	2.76	16.47	36.98	0.00	36.98	33.03	1.57	-0.01	5.00	0.83	2.00	2.52	24.11	-0.20	31.65	4.00
233	2.33	1.29	19.36	-7.28	1.50	1.29	1.50	4.00	2.75	16.49	37.15	0.00	37.15	33.68	1.55	-0.01	5.00	0.82	2.00	2.51	24.70	-0.20	32.07	0.00
234	2.34	1.32	19.42	-7.28	1.47	1.32	1.47	4.00	2.73	16.51	37.31	0.00	37.31	34.33	1.52	-0.01	5.00	0.82	2.00	2.50	25.29	-0.20	32.57	6.00
235	2.35	1.35	19.39	-7.19	1.44	1.35	1.44	4.00	2.72	16.51	37.48	0.00	37.48	34.98	1.48	-0.01	5.00	0.81	2.00	2.48	25.88	-0.19	33.14	6.00
236	2.36	1.43	19.08	-7.09	1.34	1.43	1.34	4.00	2.68	16.52	37.64	0.00	37.64	36.95	1.37	-0.01	5.00	0.80	2.00	2.44	27.45	-0.19	34.79	6.00
237	2.37	1.47	19.26	-7.09	1.31	1.47	1.31	4.00	2.67	16.54	37.81	0.00	37.81	37.84	1.35	0.00	5.00	0.79	2.00	2.43	28.24	-0.19	35.40	6.00
238	2.38	1.57	19.30	-6.90	1.23	1.57	1.23	4.00	2.63	16.57	37.97	0.00	37.97	40.30	1.26	0.00	5.00	0.78	2.00	2.39	30.21	-0.18	37.20	6.00
239	2.39	1.62	19.45	-6.90	1.20	1.62	1.20	4.00	2.61	16.59	38.14	0.00	38.14	41.44	1.23	0.00	5.00	0.77	2.00	2.37	31.19	-0.18	38.01	6.00
240	2.40	1.65	19.58	-6.80	1.19	1.65	1.19	4.00	2.60	16.60	38.31	0.00	38.31	42.04	1.22	0.00	5.00	0.77	2.00	2.36	31.78	-0.18	38.46	6.00
241	2.41	1.70	20.02	-6.80	1.18	1.70	1.18	4.00	2.59	16.64	38.47	0.00	38.47	43.15	1.21	0.00	5.00	0.76	2.00	2.35	32.77	-0.18	39.05	7.00
242	2.42	1.71	20.43	-6.71	1.19	1.71	1.20	4.00	2.59	16.66	38.64	0.00	38.64	43.22	1.22	0.00	5.00	0.76	2.00	2.35	32.96	-0.17	38.94	7.00
243	2.43	1.73	21.76	-6.71	1.26	1.73	1.26	4.00	2.60	16.74	38.81	0.00	38.81	43.54	1.29	0.00	5.00	0.77	2.00	2.36	33.35	-0.17	38.38	7.00
244	2.44	1.73	22.67	-6.71	1.31	1.73	1.31	4.00	2.61	16.79	38.98	0.00	38.98	43.35	1.34	0.00	5.00	0.77	2.00	2.37	33.35	-0.17	37.78	7.00
245	2.45	1.70	23.96	-6.71	1.41	1.70	1.41	4.00	2.63	16.84	39.14	0.00	39.14	42.39	1.44	0.00	5.00	0.78	2.00	2.39	32.75	-0.17	36.45	7.00
246	2.46	1.70	24.94	-6.71	1.47	1.70	1.47	4.00	2.64	16.89	39.31	0.00	39.31	42.21	1.50	0.00	5.00	0.78	2.00	2.40	32.75	-0.17	35.86	7.00
247	2.47	1.69	25.95	-6.71	1.53	1.69	1.54	4.00	2.65	16.93	39.48	0.00	39.48	41.77	1.57	0.00	5.00	0.79	2.00	2.42	32.55	-0.17	35.10	7.00
248	2.48	1.69	27.84	-6.80	1.64	1.69	1.65	4.00	2.67	17.02	39.65	0.00	39.65	41.58	1.69	0.00	5.00	0.80	2.00	2.43	32.55	-0.17	34.05	7.00
249	2.49	1.69	28.57	-6.71	1.69	1.69	1.69	4.00	2.67	17.05	39.82	0.00	39.82	41.40	1.73	0.00	5.00	0.80	2.00	2.44	32.54	-0.17	33.66	7.00
250	2.50	1.68	29.83	-6.80	1.78	1.68	1.78	4.00	2.69	17.09	39.99	0.00	39.99	40.97	1.82	0.00	5.00	0.81	2.00	2.46	32.34	-0.17	32.85	7.00
251	2.51	1.68	30.39	-6.80	1.81	1.68	1.81	4.00	2.69	17.11	40.16	0.00	40.16	40.79	1.85	0.00	5.00	0.81	2.00	2.46	32.34	-0.17	32.57	7.00
252	2.52	1.67	31.09	-6.71	1.86	1.67	1.86	4.00	2.70	17.14	40.34	0.00	40.34	40.37	1.91	0.00	5.00	0.81	2.00	2.47	32.14	-0.17	32.08	5.00
253	2.53	1.67	32.26	-6.80	1.94	1.67	1.93	4.00	2.71	17.18	40.51	0.00	40.51	40.19	1.98	0.00	5.00	0.82	2.00	2.48	32.14	-0.17	31.52	5.00
254	2.54	1.67	32.57	-6.80	1.95	1.67	1.95	4.00	2.71	17.19	40.68	0.00	40.68	40.02	2.00	0.00	5.00	0.82	2.00	2.48	32.13	-0.17	31.37	5.00
255	2.55	1.67	32.92	-6.80	1.98	1.67	1.97	4.00	2.72	17.20	40.85	0.00	40.85	39.84	2.02	0.00	5.00	0.82	2.00	2.49	32.13	-0.17	31.21	5.00
256	2.56	1.67	33.36	-6.80	2.00	1.67	2.00	4.00	2.72	17.22	41.02	0.00	41.02	39.67	2.05	0.00	5.00	0.82	2.00	2.49	32.13	-0.17	31.01	5.00
257	2.57	1.67	33.36	-6.80	2.00	1.67	2.00	4.00	2.72	17.22	41.20	0.00	41.20	39.50	2.05	0.00	5.00	0.82	2.00	2.49	32.12	-0.17	31.01	5.00
258	2.58	1.68	33.23	-6.80	1.98	1.68	1.98	4.00	2.71	17.22	41.37	0.00	41.37	39.58	2.03	0.00	5.00	0.82	2.00	2.49	32.32	-0.16	31.21	5.00
259	2.59	1.70	33.39	-6.71	1.97	1.70	1.97	4.00	2.71	17.23	41.54	0.00	41.54	39.89	2.02	0.00	5.00	0.82	2.00	2.48	32.71	-0.16	31.42	5.00
260	2.60	1.71	33.33	-6.71	1.94	1.71	1.95	4.00	2.70	17.23	41.71	0.00	41.71	39.96	2.00	0.00	5.00	0.81	2.00	2.48	32.90	-0.16	31.59	5.00
261	2.61	1.73	32.54	-6.71	1.88	1.73	1.88	4.00	2.69	17.20	41.88	0.00	41.88	40.27	1.93	0.00	5.00	0.81	2.00	2.46	33.29	-0.16	32.25	7.00
262	2.62	1.74	32.03	-6.80	1.85	1.74	1.84	4.00	2.68	17.19	42.06	0.00	42.06	40.34	1.89	0.00	5.00	0.81	2.00	2.45	33.49	-0.16	32.64	7.00
263	2.63	1.73	31.12	-6.80	1.80	1.73	1.80	4.00	2.68	17.15	42.23	0.00	42.23	39.93	1.85	0.00	5.00	0.80	2.00	2.45	33.29	-0.16	32.94	7.00
264	2.64	1.73	30.55	-6.71	1.77	1.73	1.77	4.00	2.68	17.13	42.40	0.00	42.40	39.77	1.81	0.00	5.00	0.80	2.00	2.45	33.28	-0.16	33.22	7.00
265	2.65	1.72	30.17	-6.80	1.75	1.72	1.76	4.00	2.68	17.11	42.57	0.00	42.57	39.37	1.80	0.00	5.00	0.80	2.00	2.45	33.08	-0.16	33.25	7.00
266	2.66	1.70	29.42	-6.80	1.73	1.70	1.73	4.00	2.68	17.08	42.74	0.00	42.74	38.74	1.78	0.00	5.00	0.80	2.00	2.45	32.68	-0.16	33.33	7.00
267	2.67	1.69	29.01	-6.80	1.71	1.69	1.72	4.00	2.68	17.06	42.91	0.00	42.91	38.35	1.76	0.00	5.00	0.80	1.99	2.45	32.40	-0.16	33.35	7.00
268	2.68	1.69	28.91	-6.80	1.71	1.69	1.71	4.00	2.68	17.06	43.08	0.00	43.08	38.19	1.76	0.00	5.00	0.80	1.99	2.45	32.30	-0.16	33.37	7.00
269	2.69	1.68	28.63	-6.80	1.70	1.68	1.71	4.00	2.68	17.05	43.25	0.00	43.25	37.81	1.75	0.00	5.00	0.80	1.98	2.45	32.02	-0.16	33.33	7.00
270	2.70	1.69	28.63	-6.80	1.70	1.69	1.70	4.00	2.67	17.05	43.42	0.00	43.42	37.89	1.74	0.00	5.00	0.80	1.98	2.45	32.09	-0.16	33.45	7.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
271	2.71	1.71	28.72	-6.80	1.68	1.71	1.68	4.00	2.67	17.06	43.59	0.00	43.59	38.19	1.72	0.00	5.00	0.80	1.97	2.44	32.33	-0.16	33.66	7.00
272	2.72	1.73	28.69	-6.71	1.66	1.73	1.66	4.00	2.66	17.06	43.76	0.00	43.76	38.50	1.70	0.00	5.00	0.80	1.96	2.44	32.56	-0.15	33.93	7.00
273	2.73	1.73	28.63	-6.80	1.65	1.73	1.66	4.00	2.66	17.06	43.94	0.00	43.94	38.34	1.70	0.00	5.00	0.80	1.95	2.44	32.46	-0.15	33.92	7.00
274	2.74	1.72	28.38	-6.71	1.65	1.72	1.65	4.00	2.66	17.04	44.11	0.00	44.11	37.97	1.69	0.00	5.00	0.80	1.95	2.44	32.19	-0.15	33.87	7.00
275	2.75	1.71	28.12	-6.80	1.65	1.71	1.65	4.00	2.66	17.03	44.28	0.00	44.28	37.59	1.69	0.00	5.00	0.80	1.94	2.44	31.92	-0.15	33.83	7.00
276	2.76	1.68	28.00	-6.80	1.66	1.68	1.67	4.00	2.67	17.02	44.45	0.00	44.45	36.77	1.71	0.00	5.00	0.81	1.94	2.45	31.35	-0.15	33.42	7.00
277	2.77	1.68	28.03	-6.80	1.67	1.68	1.67	4.00	2.67	17.02	44.62	0.00	44.62	36.62	1.72	0.00	5.00	0.81	1.94	2.45	31.26	-0.15	33.38	7.00
278	2.78	1.67	28.00	-6.80	1.67	1.67	1.68	4.00	2.68	17.02	44.79	0.00	44.79	36.26	1.72	0.00	5.00	0.81	1.94	2.46	31.01	-0.15	33.22	7.00
279	2.79	1.66	28.19	-6.80	1.70	1.66	1.70	4.00	2.68	17.02	44.96	0.00	44.96	35.89	1.75	0.00	5.00	0.81	1.93	2.46	30.78	-0.15	32.95	7.00
280	2.80	1.65	28.19	-6.80	1.71	1.65	1.71	4.00	2.69	17.02	45.13	0.00	45.13	35.53	1.76	0.00	5.00	0.81	1.93	2.47	30.54	-0.15	32.78	7.00
281	2.81	1.62	28.12	-6.80	1.74	1.62	1.74	4.00	2.70	17.01	45.30	0.00	45.30	34.73	1.79	0.00	5.00	0.82	1.93	2.48	29.98	-0.15	32.35	7.00
282	2.82	1.60	27.97	-6.90	1.75	1.60	1.75	4.00	2.70	17.00	45.47	0.00	45.47	34.16	1.80	0.00	5.00	0.82	1.93	2.48	29.56	-0.15	32.10	7.00
283	2.83	1.59	27.65	-6.90	1.74	1.59	1.74	4.00	2.70	16.98	45.64	0.00	45.64	33.81	1.79	0.00	5.00	0.82	1.92	2.49	29.30	-0.15	32.08	7.00
284	2.84	1.59	27.08	-6.90	1.71	1.59	1.70	4.00	2.70	16.96	45.81	0.00	45.81	33.68	1.76	0.00	5.00	0.82	1.92	2.48	29.18	-0.15	32.32	7.00
285	2.85	1.59	26.71	-6.90	1.68	1.59	1.68	4.00	2.70	16.94	45.98	0.00	45.98	33.55	1.73	0.00	5.00	0.82	1.91	2.48	29.07	-0.15	32.47	7.00
286	2.86	1.59	26.17	-6.90	1.64	1.59	1.65	4.00	2.69	16.92	46.15	0.00	46.15	33.43	1.70	0.00	5.00	0.82	1.90	2.48	28.95	-0.15	32.70	7.00
287	2.87	1.59	25.92	-6.90	1.63	1.59	1.63	4.00	2.69	16.91	46.31	0.00	46.31	33.30	1.68	0.00	5.00	0.82	1.90	2.48	28.85	-0.15	32.79	7.00
288	2.88	1.58	25.89	-6.90	1.64	1.58	1.64	4.00	2.69	16.91	46.48	0.00	46.48	32.96	1.69	0.00	5.00	0.82	1.89	2.48	28.62	-0.15	32.63	7.00
289	2.89	1.58	25.57	-6.90	1.62	1.58	1.62	4.00	2.69	16.89	46.65	0.00	46.65	32.84	1.67	0.00	5.00	0.82	1.89	2.48	28.52	-0.15	32.75	7.00
290	2.90	1.58	25.19	-6.90	1.60	1.58	1.60	4.00	2.69	16.87	46.82	0.00	46.82	32.71	1.64	0.00	5.00	0.82	1.88	2.48	28.41	-0.15	32.91	7.00
291	2.91	1.58	25.19	-6.90	1.60	1.58	1.60	4.00	2.69	16.87	46.99	0.00	46.99	32.59	1.64	0.00	5.00	0.82	1.87	2.48	28.33	-0.15	32.88	7.00
292	2.92	1.58	25.19	-6.90	1.60	1.58	1.60	4.00	2.69	16.87	47.16	0.00	47.16	32.47	1.64	0.00	5.00	0.82	1.87	2.48	28.24	-0.15	32.84	7.00
293	2.93	1.64	21.22	-7.57	1.29	1.64	1.30	4.00	2.62	16.69	47.33	0.00	47.33	33.62	1.33	0.00	5.00	0.80	1.83	2.42	28.76	-0.16	35.77	6.00
294	2.94	1.67	21.16	-7.48	1.27	1.67	1.27	4.00	2.61	16.70	47.49	0.00	47.49	34.13	1.31	0.00	5.00	0.79	1.82	2.41	29.14	-0.16	36.23	6.00
295	2.95	1.70	20.72	-7.48	1.22	1.70	1.22	4.00	2.60	16.68	47.66	0.00	47.66	34.64	1.26	0.00	5.00	0.79	1.81	2.40	29.48	-0.16	36.90	6.00
296	2.96	1.72	20.75	-7.38	1.21	1.72	1.21	4.00	2.59	16.68	47.83	0.00	47.83	34.93	1.24	0.00	5.00	0.78	1.80	2.39	29.71	-0.15	37.15	6.00
297	2.97	1.74	20.56	-7.38	1.18	1.74	1.18	4.00	2.58	16.68	47.99	0.00	47.99	35.22	1.22	0.00	5.00	0.78	1.79	2.38	29.92	-0.15	37.52	6.00
298	2.98	1.78	20.68	-7.28	1.16	1.78	1.16	4.00	2.57	16.69	48.16	0.00	48.16	35.93	1.20	0.00	5.00	0.78	1.78	2.37	30.45	-0.15	38.02	6.00
299	2.99	1.79	20.72	-7.28	1.15	1.79	1.16	4.00	2.57	16.70	48.33	0.00	48.33	36.01	1.19	0.00	5.00	0.78	1.78	2.37	30.53	-0.15	38.11	6.00
300	3.00	1.83	21.12	-7.28	1.16	1.83	1.16	4.00	2.56	16.73	48.49	0.00	48.49	36.71	1.19	0.00	5.00	0.77	1.77	2.36	31.08	-0.15	38.44	6.00
301	3.01	1.85	21.31	-7.28	1.15	1.85	1.15	4.00	2.55	16.74	48.66	0.00	48.66	36.99	1.18	0.00	5.00	0.77	1.76	2.36	31.31	-0.15	38.58	6.00
302	3.02	1.92	22.35	-7.19	1.16	1.92	1.16	5.00	2.54	16.81	48.83	0.00	48.83	38.29	1.20	0.00	5.00	0.77	1.75	2.35	32.36	-0.15	38.98	7.00
303	3.03	1.92	22.35	-7.19	1.16	1.92	1.16	5.00	2.54	16.81	49.00	0.00	49.00	38.15	1.20	0.00	5.00	0.77	1.75	2.35	32.28	-0.15	38.94	6.00
304	3.04	2.06	23.71	-7.00	1.15	2.06	1.15	5.00	2.51	16.91	49.17	0.00	49.17	40.87	1.18	0.00	5.00	0.76	1.73	2.33	34.36	-0.14	40.13	7.00
305	3.05	2.10	24.47	-6.90	1.17	2.10	1.17	5.00	2.51	16.95	49.34	0.00	49.34	41.54	1.19	0.00	5.00	0.76	1.73	2.32	34.92	-0.14	40.22	7.00
306	3.06	2.13	25.03	-6.90	1.17	2.13	1.18	5.00	2.51	16.98	49.51	0.00	49.51	42.00	1.20	0.00	5.00	0.76	1.72	2.32	35.32	-0.14	40.28	7.00
307	3.07	2.17	26.80	-6.80	1.24	2.17	1.24	5.00	2.51	17.07	49.68	0.00	49.68	42.65	1.26	0.00	5.00	0.76	1.72	2.33	35.96	-0.14	39.80	7.00
308	3.08	2.17	27.46	-6.80	1.26	2.17	1.27	5.00	2.52	17.10	49.85	0.00	49.85	42.50	1.30	0.00	5.00	0.76	1.72	2.33	35.93	-0.14	39.40	7.00
309	3.09	2.18	28.25	-6.80	1.30	2.18	1.30	5.00	2.52	17.13	50.02	0.00	50.02	42.56	1.33	0.00	5.00	0.77	1.72	2.34	36.05	-0.14	39.08	7.00
310	3.10	2.18	29.67	-6.80	1.36	2.18	1.36	5.00	2.53	17.19	50.19	0.00	50.19	42.41	1.39	0.00	5.00	0.77	1.72	2.35	36.07	-0.14	38.30	7.00
311	3.11	2.17	30.27	-6.80	1.39	2.17	1.40	5.00	2.54	17.21	50.36	0.00	50.36	42.06	1.43	0.00	5.00	0.77	1.72	2.36	35.88	-0.14	37.83	7.00
312	3.12	2.13	31.50	-6.80	1.48	2.13	1.48	4.00	2.56	17.25	50.54	0.00	50.54	41.12	1.52	0.00	5.00	0.78	1.72	2.38	35.31	-0.13	36.68	7.00
313	3.13	2.11	32.29	-6.80	1.53	2.11	1.53	4.00	2.57	17.27	50.71	0.00	50.71	40.58	1.57	0.00	5.00	0.79	1.72	2.39	34.98	-0.13	36.02	7.00
314	3.14	2.10	32.44	-6.80	1.55	2.10	1.55	4.00	2.57	17.27	50.88	0.00	50.88	40.24	1.58	0.00	5.00	0.79	1.72	2.40	34.76	-0.13	35.79	7.00
315	3.15	2.09	33.14	-6.80	1.59	2.09	1.59	4.00	2.58	17.30	51.05	0.00	51.05	39.91	1.63	0.00	5.00	0.79	1.72	2.40	34.58	-0.13	35.31	7.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
316	3.16	2.09	33.64	-6.80	1.61	2.09	1.61	4.00	2.59	17.31	51.23	0.00	51.23	39.77	1.65	0.00	5.00	0.79	1.72	2.41	34.53	-0.13	35.06	7.00
317	3.17	2.10	34.12	-6.80	1.62	2.10	1.63	4.00	2.59	17.33	51.40	0.00	51.40	39.83	1.67	0.00	5.00	0.79	1.71	2.41	34.62	-0.13	34.94	7.00
318	3.18	2.14	34.87	-6.80	1.63	2.14	1.63	4.00	2.58	17.36	51.57	0.00	51.57	40.47	1.67	0.00	5.00	0.79	1.71	2.40	35.15	-0.13	35.07	7.00
319	3.19	2.15	35.25	-6.80	1.64	2.15	1.64	4.00	2.58	17.38	51.75	0.00	51.75	40.52	1.68	0.00	5.00	0.79	1.70	2.41	35.23	-0.13	35.00	7.00
320	3.20	2.11	35.47	-6.80	1.68	2.11	1.68	4.00	2.59	17.38	51.92	0.00	51.92	39.61	1.72	0.00	5.00	0.80	1.70	2.42	34.59	-0.13	34.39	7.00
321	3.21	2.09	35.16	-6.71	1.68	2.09	1.68	4.00	2.60	17.37	52.10	0.00	52.10	39.09	1.73	0.00	5.00	0.80	1.70	2.42	34.19	-0.13	34.25	7.00
322	3.22	2.01	33.96	-6.80	1.69	2.01	1.69	4.00	2.61	17.31	52.27	0.00	52.27	37.43	1.74	0.00	5.00	0.80	1.70	2.44	32.89	-0.13	33.75	7.00
323	3.23	1.97	33.71	-6.90	1.71	1.97	1.71	4.00	2.62	17.29	52.44	0.00	52.44	36.54	1.76	0.00	5.00	0.81	1.70	2.45	32.21	-0.13	33.32	7.00
324	3.24	1.90	33.04	-6.90	1.74	1.90	1.74	4.00	2.64	17.26	52.61	0.00	52.61	35.08	1.79	0.00	5.00	0.82	1.71	2.47	31.08	-0.13	32.70	7.00
325	3.25	1.88	32.85	-6.90	1.75	1.88	1.75	4.00	2.64	17.25	52.79	0.00	52.79	34.59	1.80	0.00	5.00	0.82	1.70	2.47	30.71	-0.13	32.50	7.00
326	3.26	1.86	32.41	-6.90	1.74	1.86	1.74	4.00	2.65	17.23	52.96	0.00	52.96	34.09	1.79	0.00	5.00	0.82	1.70	2.48	30.32	-0.13	32.40	7.00
327	3.27	1.86	31.31	-6.90	1.68	1.86	1.68	4.00	2.64	17.19	53.13	0.00	53.13	33.98	1.73	0.00	5.00	0.82	1.69	2.47	30.18	-0.13	32.84	7.00
328	3.28	1.85	30.90	-6.90	1.67	1.85	1.67	4.00	2.64	17.17	53.30	0.00	53.30	33.68	1.72	0.00	5.00	0.82	1.69	2.47	29.94	-0.13	32.86	7.00
329	3.29	1.85	30.77	-6.90	1.67	1.85	1.66	4.00	2.64	17.17	53.47	0.00	53.47	33.57	1.71	0.00	5.00	0.82	1.69	2.47	29.86	-0.13	32.89	7.00
330	3.30	1.84	29.92	-6.90	1.62	1.84	1.63	4.00	2.63	17.13	53.64	0.00	53.64	33.27	1.68	0.00	5.00	0.82	1.68	2.47	29.60	-0.13	33.10	7.00
331	3.31	1.85	29.26	-6.90	1.58	1.85	1.58	4.00	2.63	17.11	53.82	0.00	53.82	33.35	1.63	0.00	5.00	0.81	1.67	2.46	29.63	-0.13	33.50	7.00
332	3.32	1.85	28.76	-6.90	1.55	1.85	1.56	4.00	2.62	17.09	53.99	0.00	53.99	33.24	1.60	0.00	5.00	0.81	1.67	2.46	29.53	-0.13	33.69	7.00
333	3.33	1.85	27.71	-6.90	1.50	1.85	1.50	4.00	2.61	17.04	54.16	0.00	54.16	33.13	1.54	0.00	5.00	0.81	1.66	2.45	29.40	-0.13	34.14	7.00
334	3.34	1.84	26.93	-6.90	1.47	1.84	1.46	4.00	2.61	17.01	54.33	0.00	54.33	32.84	1.51	0.00	5.00	0.81	1.65	2.45	29.14	-0.13	34.34	7.00
335	3.35	1.81	26.08	-6.90	1.44	1.81	1.44	4.00	2.61	16.97	54.50	0.00	54.50	32.19	1.49	0.00	5.00	0.81	1.65	2.45	28.60	-0.13	34.30	7.00
336	3.36	1.78	25.85	-6.90	1.45	1.78	1.45	4.00	2.62	16.95	54.67	0.00	54.67	31.53	1.50	0.00	5.00	0.81	1.65	2.46	28.09	-0.13	33.97	7.00
337	3.37	1.76	25.19	-6.90	1.43	1.76	1.43	4.00	2.62	16.92	54.84	0.00	54.84	31.07	1.48	0.00	5.00	0.81	1.65	2.46	27.71	-0.13	33.98	7.00
338	3.38	1.76	25.07	-6.90	1.42	1.76	1.43	4.00	2.62	16.91	55.00	0.00	55.00	30.97	1.47	0.00	5.00	0.81	1.64	2.46	27.64	-0.13	34.01	7.00
339	3.39	1.77	24.88	-6.90	1.41	1.77	1.41	4.00	2.61	16.90	55.17	0.00	55.17	31.05	1.45	0.00	5.00	0.81	1.64	2.45	27.70	-0.13	34.20	7.00
340	3.40	1.78	25.13	-6.90	1.41	1.78	1.41	4.00	2.61	16.92	55.34	0.00	55.34	31.14	1.46	0.00	5.00	0.81	1.63	2.45	27.79	-0.12	34.19	7.00
341	3.41	1.79	25.29	-6.90	1.41	1.79	1.41	4.00	2.61	16.93	55.51	0.00	55.51	31.22	1.46	0.00	5.00	0.81	1.63	2.45	27.88	-0.12	34.22	7.00
342	3.42	1.78	25.54	-6.90	1.43	1.78	1.44	4.00	2.62	16.94	55.68	0.00	55.68	30.94	1.48	0.00	5.00	0.81	1.63	2.46	27.68	-0.12	33.94	7.00
343	3.43	1.82	25.79	-6.80	1.42	1.82	1.42	4.00	2.61	16.96	55.85	0.00	55.85	31.56	1.46	0.00	5.00	0.81	1.62	2.45	28.19	-0.12	34.33	7.00
344	3.44	1.85	25.73	-6.80	1.39	1.85	1.39	4.00	2.60	16.96	56.02	0.00	56.02	32.00	1.44	0.00	5.00	0.81	1.61	2.44	28.54	-0.12	34.73	7.00
345	3.45	1.86	25.73	-6.80	1.38	1.86	1.38	4.00	2.59	16.96	56.19	0.00	56.19	32.08	1.43	0.00	5.00	0.81	1.61	2.44	28.62	-0.12	34.84	7.00
346	3.46	1.88	26.01	-6.71	1.38	1.88	1.38	4.00	2.59	16.98	56.36	0.00	56.36	32.33	1.43	0.00	5.00	0.81	1.60	2.43	28.84	-0.12	34.94	7.00
347	3.47	1.89	26.30	-6.71	1.39	1.89	1.39	4.00	2.59	16.99	56.53	0.00	56.53	32.41	1.44	0.00	5.00	0.81	1.60	2.44	28.93	-0.12	34.91	7.00
348	3.48	1.87	26.99	-6.71	1.44	1.87	1.44	4.00	2.60	17.02	56.70	0.00	56.70	31.96	1.49	0.00	5.00	0.81	1.60	2.45	28.63	-0.12	34.29	7.00
349	3.49	1.86	27.53	-6.80	1.48	1.86	1.48	4.00	2.61	17.04	56.87	0.00	56.87	31.68	1.53	0.00	5.00	0.81	1.60	2.46	28.45	-0.12	33.89	7.00
350	3.50	1.81	28.50	-6.71	1.57	1.81	1.58	4.00	2.63	17.07	57.04	0.00	57.04	30.71	1.63	0.00	5.00	0.82	1.60	2.48	27.74	-0.12	32.78	7.00
351	3.51	1.79	29.17	-6.80	1.63	1.79	1.63	4.00	2.64	17.09	57.21	0.00	57.21	30.26	1.68	0.00	5.00	0.83	1.61	2.49	27.43	-0.12	32.21	7.00
352	3.52	1.78	29.76	-6.80	1.67	1.78	1.67	4.00	2.65	17.11	57.38	0.00	57.38	29.99	1.73	0.00	5.00	0.83	1.60	2.50	27.26	-0.12	31.81	5.00
353	3.53	1.77	31.50	-6.80	1.78	1.77	1.78	4.00	2.67	17.18	57.56	0.00	57.56	29.73	1.84	0.00	4.00	0.84	1.61	2.52	27.13	-0.12	30.96	5.00
354	3.54	1.75	32.76	-6.80	1.88	1.75	1.87	4.00	2.69	17.22	57.73	0.00	57.73	29.29	1.94	0.00	4.00	0.85	1.61	2.54	26.85	-0.12	30.20	5.00
355	3.55	1.71	35.12	-6.90	2.06	1.71	2.06	4.00	2.72	17.29	57.90	0.00	57.90	28.51	2.13	0.00	4.00	0.86	1.62	2.57	26.32	-0.12	28.82	5.00
356	3.56	1.69	37.71	-6.90	2.23	1.69	2.23	4.00	2.74	17.36	58.07	0.00	58.07	28.08	2.31	0.00	4.00	0.87	1.62	2.59	26.07	-0.12	27.68	5.00
357	3.57	1.68	42.31	-6.90	2.52	1.68	2.52	4.00	2.77	17.49	58.25	0.00	58.25	27.82	2.61	0.00	4.00	0.88	1.63	2.63	26.03	-0.12	26.11	5.00
358	3.58	1.66	44.87	-6.90	2.70	1.66	2.71	4.00	2.80	17.56	58.42	0.00	58.42	27.39	2.80	0.00	4.00	0.89	1.63	2.65	25.76	-0.12	25.14	5.00
359	3.59	1.63	51.17	-6.90	3.13	1.63	3.14	3.00	2.84	17.70	58.60	0.00	58.60	26.79	3.26	0.00	4.00	0.91	1.64	2.70	25.45	-0.12	23.18	5.00
360	3.60	1.62	54.83	-6.90	3.38	1.62	3.39	3.00	2.86	17.78	58.78	0.00	58.78	26.54	3.52	0.00	4.00	0.92	1.65	2.72	25.34	-0.12	22.22	5.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
361	3.61	1.62	58.68	-6.71	3.61	1.62	3.63	3.00	2.88	17.86	58.96	0.00	58.96	26.45	3.76	0.00	4.00	0.92	1.65	2.74	25.36	-0.11	21.38	3.00
362	3.62	1.63	66.24	-6.71	4.05	1.63	4.07	3.00	2.91	18.00	59.14	0.00	59.14	26.54	4.22	0.00	3.00	0.93	1.65	2.77	25.61	-0.11	20.00	3.00
363	3.63	1.64	69.78	-6.71	4.24	1.64	4.26	3.00	2.92	18.06	59.32	0.00	59.32	26.62	4.42	0.00	3.00	0.94	1.65	2.78	25.76	-0.11	19.45	3.00
364	3.64	1.64	72.96	-6.80	4.45	1.64	4.45	3.00	2.93	18.11	59.50	0.00	59.50	26.54	4.62	0.00	3.00	0.94	1.65	2.79	25.75	-0.11	18.92	3.00
365	3.65	1.62	79.20	-6.80	4.89	1.62	4.89	3.00	2.96	18.20	59.68	0.00	59.68	26.12	5.08	0.00	3.00	0.96	1.66	2.82	25.51	-0.11	17.79	3.00
366	3.66	1.61	81.85	-6.80	5.07	1.61	5.09	3.00	2.98	18.24	59.86	0.00	59.86	25.87	5.29	0.00	3.00	0.96	1.66	2.84	25.34	-0.11	17.33	3.00
367	3.67	1.60	86.52	-6.80	5.40	1.60	5.41	3.00	3.00	18.30	60.05	0.00	60.05	25.62	5.62	0.00	3.00	0.97	1.66	2.86	25.20	-0.11	16.63	3.00
368	3.68	1.60	88.69	-6.80	5.55	1.60	5.55	3.00	3.00	18.33	60.23	0.00	60.23	25.54	5.77	0.00	3.00	0.97	1.66	2.86	25.16	-0.11	16.35	3.00
369	3.69	1.59	92.13	-7.09	5.79	1.59	5.80	3.00	3.02	18.37	60.41	0.00	60.41	25.29	6.03	0.00	3.00	0.98	1.66	2.88	25.00	-0.12	15.86	3.00
370	3.70	1.60	92.51	-7.19	5.77	1.60	5.79	3.00	3.02	18.38	60.60	0.00	60.60	25.38	6.02	0.00	3.00	0.98	1.65	2.88	25.08	-0.12	15.88	3.00
371	3.71	1.63	92.63	-10.35	5.69	1.63	5.69	3.00	3.00	18.38	60.78	0.00	60.78	25.78	5.91	-0.01	3.00	0.97	1.64	2.87	25.43	-0.17	16.08	3.00
372	3.72	1.70	92.67	-10.35	5.44	1.70	5.46	3.00	2.98	18.40	60.97	0.00	60.97	26.85	5.66	-0.01	3.00	0.96	1.63	2.84	26.36	-0.17	16.58	3.00
373	3.73	1.75	92.38	-10.35	5.29	1.75	5.29	3.00	2.96	18.41	61.15	0.00	61.15	27.58	5.48	-0.01	3.00	0.96	1.62	2.83	27.00	-0.17	16.98	3.00
374	3.74	1.78	91.85	-10.25	5.16	1.78	5.17	3.00	2.95	18.41	61.33	0.00	61.33	27.99	5.35	-0.01	3.00	0.95	1.61	2.82	27.34	-0.17	17.26	3.00
375	3.75	1.88	90.46	-10.06	4.81	1.88	4.82	3.00	2.91	18.41	61.52	0.00	61.52	29.53	4.98	-0.01	3.00	0.94	1.60	2.78	28.65	-0.16	18.17	3.00
376	3.76	1.94	90.08	-9.97	4.63	1.94	4.65	3.00	2.89	18.42	61.70	0.00	61.70	30.41	4.80	-0.01	3.00	0.93	1.59	2.76	29.41	-0.16	18.66	3.00
377	3.77	1.96	88.32	-9.97	4.51	1.96	4.51	3.00	2.88	18.40	61.89	0.00	61.89	30.64	4.66	-0.01	3.00	0.93	1.58	2.75	29.58	-0.16	19.05	3.00
378	3.78	1.90	88.22	-9.97	4.65	1.90	4.65	3.00	2.90	18.39	62.07	0.00	62.07	29.58	4.81	-0.01	3.00	0.94	1.58	2.77	28.66	-0.16	18.61	3.00
379	3.79	1.82	89.26	-10.06	4.90	1.82	4.91	3.00	2.93	18.38	62.25	0.00	62.25	28.20	5.08	-0.01	3.00	0.95	1.59	2.80	27.49	-0.16	17.87	3.00
380	3.80	1.79	89.36	-10.06	4.99	1.79	5.00	3.00	2.94	18.38	62.44	0.00	62.44	27.63	5.18	-0.01	3.00	0.95	1.59	2.81	27.00	-0.16	17.63	3.00
381	3.81	1.76	89.86	-9.39	5.10	1.76	5.11	3.00	2.95	18.38	62.62	0.00	62.62	27.07	5.30	-0.01	3.00	0.96	1.58	2.82	26.51	-0.15	17.34	3.00
382	3.82	1.68	92.38	-8.63	5.49	1.68	5.50	3.00	2.99	18.39	62.81	0.00	62.81	25.72	5.72	-0.01	3.00	0.97	1.59	2.86	25.36	-0.14	16.44	3.00
383	3.83	1.66	93.23	-8.63	5.63	1.66	5.62	3.00	3.00	18.40	62.99	0.00	62.99	25.33	5.84	-0.01	3.00	0.97	1.59	2.87	25.02	-0.14	16.20	3.00
384	3.84	1.64	93.27	-8.34	5.69	1.64	5.69	3.00	3.00	18.39	63.17	0.00	63.17	24.93	5.92	-0.01	3.00	0.98	1.59	2.88	24.68	-0.13	16.04	3.00
385	3.85	1.63	93.99	-7.67	5.77	1.63	5.77	3.00	3.01	18.40	63.36	0.00	63.36	24.70	6.01	0.00	3.00	0.98	1.58	2.89	24.48	-0.12	15.89	3.00
386	3.86	1.63	94.49	-7.19	5.80	1.63	5.80	3.00	3.01	18.41	63.54	0.00	63.54	24.63	6.04	0.00	3.00	0.98	1.58	2.89	24.42	-0.11	15.83	3.00
387	3.87	1.64	95.19	-7.09	5.81	1.64	5.81	3.00	3.01	18.42	63.73	0.00	63.73	24.71	6.04	0.00	3.00	0.98	1.58	2.89	24.50	-0.11	15.82	3.00
388	3.88	1.66	95.16	-5.75	5.75	1.66	5.74	3.00	3.00	18.42	63.91	0.00	63.91	24.96	5.97	0.00	3.00	0.98	1.57	2.88	24.72	-0.09	15.96	3.00
389	3.89	1.66	94.97	-4.22	5.72	1.66	5.72	3.00	3.00	18.42	64.09	0.00	64.09	24.89	5.95	0.00	3.00	0.98	1.57	2.88	24.65	-0.07	15.98	3.00
390	3.90	1.67	94.56	-2.97	5.66	1.67	5.66	3.00	3.00	18.42	64.28	0.00	64.28	24.97	5.89	0.00	3.00	0.98	1.56	2.88	24.72	-0.05	16.10	3.00
391	3.91	1.67	94.56	-2.97	5.66	1.67	5.66	3.00	3.00	18.42	64.46	0.00	64.46	24.90	5.89	0.00	3.00	0.98	1.56	2.88	24.65	-0.05	16.10	3.00
392	3.92	1.67	94.56	-2.97	5.66	1.67	5.66	3.00	3.00	18.42	64.65	0.00	64.65	24.82	5.89	0.00	3.00	0.98	1.55	2.88	24.59	-0.05	16.10	3.00
393	3.93	1.77	83.05	-13.51	4.70	1.77	4.70	3.00	2.92	18.29	64.83	0.00	64.83	26.26	4.88	-0.01	3.00	0.95	1.53	2.81	25.70	-0.21	18.27	3.00
394	3.94	1.74	84.03	-14.38	4.84	1.74	4.84	3.00	2.94	18.30	65.01	0.00	65.01	25.72	5.03	-0.01	3.00	0.96	1.53	2.82	25.24	-0.22	17.90	3.00
395	3.95	1.72	84.28	-15.72	4.90	1.72	4.91	3.00	2.95	18.30	65.19	0.00	65.19	25.33	5.10	-0.01	3.00	0.96	1.53	2.83	24.90	-0.24	17.71	3.00
396	3.96	1.69	84.66	-21.47	5.00	1.69	5.02	3.00	2.96	18.29	65.38	0.00	65.38	24.78	5.23	-0.01	3.00	0.97	1.53	2.84	24.42	-0.33	17.42	3.00
397	3.97	1.69	85.04	-21.85	5.02	1.69	5.05	3.00	2.96	18.30	65.56	0.00	65.56	24.71	5.25	-0.01	3.00	0.97	1.52	2.85	24.36	-0.33	17.36	3.00
398	3.98	1.71	85.45	-21.66	5.00	1.71	5.01	3.00	2.95	18.31	65.74	0.00	65.74	24.94	5.21	-0.01	3.00	0.97	1.52	2.84	24.57	-0.33	17.46	3.00
399	3.99	1.70	86.49	-15.53	5.08	1.70	5.10	3.00	2.96	18.32	65.93	0.00	65.93	24.74	5.30	-0.01	3.00	0.97	1.52	2.85	24.40	-0.24	17.25	3.00
400	4.00	1.68	87.94	-14.09	5.24	1.68	5.24	3.00	2.97	18.34	66.11	0.00	66.11	24.37	5.46	-0.01	3.00	0.97	1.52	2.86	24.09	-0.21	16.92	3.00
401	4.01	1.67	88.69	-13.71	5.32	1.67	5.32	3.00	2.98	18.34	66.29	0.00	66.29	24.15	5.54	-0.01	3.00	0.98	1.51	2.87	23.90	-0.21	16.75	3.00
402	4.02	1.66	89.95	-14.38	5.43	1.66	5.43	3.00	2.99	18.36	66.48	0.00	66.48	23.93	5.66	-0.01	3.00	0.98	1.51	2.88	23.72	-0.22	16.52	3.00
403	4.03	1.64	90.74	-13.32	5.53	1.64	5.54	3.00	3.00	18.36	66.66	0.00	66.66	23.56	5.78	-0.01	3.00	0.98	1.51	2.89	23.40	-0.20	16.28	3.00
404	4.04	1.62	92.19	-13.71	5.68	1.62	5.70	3.00	3.01	18.38	66.84	0.00	66.84	23.19	5.95	-0.01	3.00	0.99	1.51	2.90	23.08	-0.21	15.96	3.00
405	4.05	1.60	92.63	-16.39	5.80	1.60	5.80	3.00	3.02	18.38	67.03	0.00	67.03	22.82	6.06	-0.01	3.00	0.99	1.51	2.91	22.74	-0.24	15.76	3.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
406	4.06	1.56	93.99	-18.40	6.01	1.56	6.04	3.00	3.04	18.38	67.21	0.00	67.21	22.15	6.31	-0.01	3.00	1.00	1.51	2.93	22.15	-0.27	15.32	3.00
407	4.07	1.56	94.21	-19.65	6.04	1.56	6.06	3.00	3.04	18.39	67.40	0.00	67.40	22.09	6.33	-0.01	3.00	1.00	1.50	2.93	22.09	-0.29	15.29	3.00
408	4.08	1.55	94.56	-21.18	6.08	1.55	6.12	3.00	3.04	18.39	67.58	0.00	67.58	21.87	6.40	-0.01	3.00	1.00	1.50	2.94	21.87	-0.31	15.18	3.00
409	4.09	1.53	94.24	-24.92	6.15	1.52	6.18	3.00	3.05	18.38	67.76	0.00	67.76	21.50	6.47	-0.02	3.00	1.00	1.50	2.95	21.50	-0.37	15.07	3.00
410	4.10	1.52	93.93	-24.54	6.19	1.51	6.20	3.00	3.05	18.37	67.95	0.00	67.95	21.29	6.49	-0.02	3.00	1.00	1.49	2.95	21.29	-0.36	15.03	3.00
411	4.11	1.52	93.08	-28.37	6.11	1.51	6.15	3.00	3.05	18.36	68.13	0.00	68.13	21.22	6.44	-0.02	3.00	1.00	1.49	2.95	21.22	-0.42	15.11	3.00
412	4.12	1.53	92.45	-29.42	6.05	1.52	6.07	3.00	3.04	18.36	68.31	0.00	68.31	21.31	6.35	-0.02	3.00	1.00	1.48	2.95	21.31	-0.43	15.25	3.00
413	4.13	1.53	91.06	-31.05	5.94	1.52	5.98	3.00	3.04	18.34	68.50	0.00	68.50	21.24	6.26	-0.02	3.00	1.00	1.48	2.94	21.24	-0.45	15.39	3.00
414	4.14	1.52	90.65	-30.19	5.96	1.51	5.99	3.00	3.04	18.33	68.68	0.00	68.68	21.04	6.27	-0.02	3.00	1.00	1.48	2.95	21.04	-0.44	15.37	3.00
415	4.15	1.52	90.49	-28.66	5.95	1.51	5.98	3.00	3.04	18.33	68.86	0.00	68.86	20.98	6.26	-0.02	3.00	1.00	1.47	2.95	20.98	-0.42	15.38	3.00
416	4.16	1.51	89.26	-23.58	5.91	1.51	5.93	3.00	3.04	18.31	69.05	0.00	69.05	20.80	6.22	-0.02	3.00	1.00	1.47	2.95	20.80	-0.34	15.45	3.00
417	4.17	1.52	88.76	-23.00	5.85	1.52	5.86	3.00	3.04	18.31	69.23	0.00	69.23	20.89	6.14	-0.02	3.00	1.00	1.46	2.94	20.89	-0.33	15.58	3.00
418	4.18	1.53	87.37	-22.33	5.72	1.53	5.73	3.00	3.03	18.29	69.41	0.00	69.41	20.97	6.00	-0.02	3.00	1.00	1.46	2.93	20.97	-0.32	15.81	3.00
419	4.19	1.54	86.90	-22.14	5.63	1.54	5.66	3.00	3.02	18.29	69.60	0.00	69.60	21.06	5.93	-0.02	3.00	1.00	1.46	2.93	21.06	-0.32	15.94	3.00
420	4.20	1.59	85.86	-20.51	5.39	1.59	5.41	3.00	3.00	18.29	69.78	0.00	69.78	21.72	5.66	-0.01	3.00	0.99	1.45	2.91	21.66	-0.29	16.43	3.00
421	4.21	1.63	85.48	-19.65	5.25	1.63	5.26	3.00	2.98	18.29	69.96	0.00	69.96	22.24	5.49	-0.01	3.00	0.99	1.44	2.89	22.12	-0.28	16.77	3.00
422	4.22	1.68	84.88	-18.69	5.06	1.68	5.06	3.00	2.96	18.29	70.15	0.00	70.15	22.89	5.29	-0.01	3.00	0.98	1.43	2.87	22.71	-0.27	17.21	3.00
423	4.23	1.81	83.11	-17.63	4.60	1.81	4.60	3.00	2.91	18.30	70.33	0.00	70.33	24.68	4.79	-0.01	3.00	0.96	1.42	2.82	24.32	-0.25	18.41	3.00
424	4.24	1.88	82.26	-17.25	4.38	1.88	4.38	3.00	2.88	18.30	70.51	0.00	70.51	25.61	4.56	-0.01	3.00	0.95	1.41	2.79	25.15	-0.24	19.04	3.00
425	4.25	1.95	81.69	-16.96	4.18	1.95	4.20	3.00	2.86	18.31	70.69	0.00	70.69	26.53	4.36	-0.01	3.00	0.94	1.40	2.77	25.97	-0.24	19.65	3.00
426	4.26	2.05	79.74	-16.87	3.90	2.05	3.90	3.00	2.82	18.30	70.88	0.00	70.88	27.87	4.04	-0.01	4.00	0.93	1.39	2.73	27.16	-0.24	20.69	3.00
427	4.27	2.06	78.64	-16.87	3.81	2.06	3.82	3.00	2.82	18.29	71.06	0.00	71.06	27.94	3.96	-0.01	4.00	0.92	1.39	2.73	27.21	-0.24	20.93	3.00
428	4.28	2.07	77.12	-16.77	3.73	2.07	3.73	3.00	2.81	18.26	71.24	0.00	71.24	28.01	3.87	-0.01	4.00	0.92	1.38	2.72	27.25	-0.24	21.25	3.00
429	4.29	2.06	75.77	-16.77	3.68	2.06	3.68	3.00	2.80	18.24	71.43	0.00	71.43	27.79	3.82	-0.01	4.00	0.92	1.38	2.72	27.04	-0.23	21.38	3.00
430	4.30	2.05	74.76	-16.77	3.65	2.05	3.65	3.00	2.80	18.23	71.61	0.00	71.61	27.58	3.79	-0.01	4.00	0.92	1.38	2.72	26.84	-0.23	21.47	3.00
431	4.31	2.01	72.46	-16.77	3.60	2.01	3.61	3.00	2.81	18.18	71.79	0.00	71.79	26.95	3.75	-0.01	4.00	0.92	1.37	2.72	26.25	-0.23	21.54	3.00
432	4.32	1.99	71.35	-11.41	3.59	1.99	3.59	3.00	2.81	18.16	71.97	0.00	71.97	26.62	3.72	-0.01	4.00	0.92	1.37	2.73	25.94	-0.16	21.57	3.00
433	4.33	1.94	70.09	-10.73	3.62	1.94	3.62	3.00	2.82	18.13	72.15	0.00	72.15	25.86	3.76	-0.01	4.00	0.93	1.37	2.74	25.24	-0.15	21.38	3.00
434	4.34	1.91	69.71	-10.83	3.65	1.91	3.65	3.00	2.83	18.12	72.33	0.00	72.33	25.37	3.80	-0.01	4.00	0.93	1.37	2.75	24.80	-0.15	21.19	3.00
435	4.35	1.91	69.52	-10.73	3.65	1.91	3.64	3.00	2.83	18.11	72.52	0.00	72.52	25.31	3.79	-0.01	4.00	0.93	1.37	2.75	24.74	-0.15	21.22	3.00
436	4.36	1.92	68.39	-10.83	3.56	1.92	3.57	3.00	2.82	18.10	72.70	0.00	72.70	25.38	3.71	-0.01	4.00	0.93	1.36	2.74	24.80	-0.15	21.49	3.00
437	4.37	1.93	67.82	-10.83	3.52	1.93	3.52	3.00	2.81	18.09	72.88	0.00	72.88	25.45	3.66	-0.01	4.00	0.93	1.36	2.74	24.86	-0.15	21.67	3.00
438	4.38	1.94	67.79	-10.83	3.50	1.94	3.50	3.00	2.81	18.09	73.06	0.00	73.06	25.52	3.64	-0.01	4.00	0.93	1.35	2.73	24.92	-0.15	21.74	3.00
439	4.39	1.95	67.82	-10.83	3.47	1.95	3.48	4.00	2.81	18.09	73.24	0.00	73.24	25.59	3.62	-0.01	4.00	0.93	1.35	2.73	24.99	-0.15	21.81	3.00
440	4.40	1.98	67.38	-10.83	3.41	1.98	3.41	4.00	2.80	18.09	73.42	0.00	73.42	25.94	3.54	-0.01	4.00	0.92	1.35	2.72	25.30	-0.15	22.13	5.00
441	4.41	2.00	66.28	-10.83	3.31	2.00	3.32	4.00	2.79	18.08	73.60	0.00	73.60	26.14	3.44	-0.01	4.00	0.92	1.34	2.71	25.48	-0.15	22.49	5.00
442	4.42	2.01	65.93	-10.83	3.28	2.01	3.28	4.00	2.78	18.07	73.78	0.00	73.78	26.21	3.41	-0.01	4.00	0.92	1.34	2.71	25.54	-0.15	22.63	5.00
443	4.43	2.03	66.91	-10.73	3.30	2.03	3.30	4.00	2.78	18.09	73.96	0.00	73.96	26.42	3.42	-0.01	4.00	0.92	1.33	2.71	25.74	-0.15	22.60	5.00
444	4.44	2.03	68.80	-10.73	3.39	2.03	3.39	4.00	2.79	18.13	74.14	0.00	74.14	26.35	3.52	-0.01	4.00	0.92	1.33	2.71	25.70	-0.14	22.24	5.00
445	4.45	2.05	73.62	-10.64	3.60	2.05	3.60	4.00	2.80	18.21	74.33	0.00	74.33	26.55	3.73	-0.01	4.00	0.93	1.33	2.73	25.95	-0.14	21.55	3.00
446	4.46	2.03	74.41	-10.64	3.66	2.03	3.67	3.00	2.81	18.22	74.51	0.00	74.51	26.22	3.81	-0.01	4.00	0.93	1.33	2.74	25.65	-0.14	21.26	3.00
447	4.47	2.05	76.40	-10.73	3.73	2.05	3.73	3.00	2.81	18.25	74.69	0.00	74.69	26.42	3.87	-0.01	4.00	0.93	1.33	2.74	25.86	-0.14	21.08	3.00
448	4.48	2.09	77.03	-10.83	3.68	2.09	3.69	3.00	2.80	18.27	74.87	0.00	74.87	26.88	3.83	-0.01	4.00	0.93	1.32	2.73	26.30	-0.14	21.27	3.00
449	4.49	1.88	77.66	-5.65	4.13	1.88	4.13	3.00	2.87	18.24	75.06	0.00	75.06	24.03	4.31	0.00	3.00	0.95	1.33	2.80	23.70	-0.08	19.59	3.00
450	4.50	1.84	83.74	-5.37	4.56	1.84	4.55	3.00	2.90	18.31	75.24	0.00	75.24	23.44	4.75	0.00	3.00	0.97	1.33	2.83	23.21	-0.07	18.43	3.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
451	4.51	1.83	86.30	-5.08	4.71	1.83	4.72	3.00	2.91	18.35	75.42	0.00	75.42	23.25	4.92	0.00	3.00	0.97	1.33	2.85	23.05	-0.07	18.02	3.00
452	4.52	1.83	88.79	-5.08	4.86	1.83	4.85	3.00	2.92	18.38	75.61	0.00	75.61	23.19	5.06	0.00	3.00	0.97	1.33	2.85	23.02	-0.07	17.70	3.00
453	4.53	1.82	92.38	-5.18	5.09	1.82	5.08	3.00	2.94	18.42	75.79	0.00	75.79	23.00	5.30	0.00	3.00	0.98	1.33	2.87	22.87	-0.07	17.19	3.00
454	4.54	1.81	94.09	-5.08	5.20	1.81	5.20	3.00	2.94	18.44	75.97	0.00	75.97	22.81	5.43	0.00	3.00	0.98	1.33	2.88	22.71	-0.07	16.92	3.00
455	4.55	1.84	96.58	-5.18	5.26	1.84	5.25	3.00	2.94	18.48	76.16	0.00	76.16	23.15	5.48	0.00	3.00	0.98	1.32	2.88	23.04	-0.07	16.84	3.00
456	4.56	1.85	96.58	-5.08	5.23	1.85	5.22	3.00	2.94	18.48	76.34	0.00	76.34	23.22	5.45	0.00	3.00	0.98	1.32	2.87	23.11	-0.07	16.90	3.00
457	4.57	1.88	93.61	-5.08	4.98	1.88	4.98	3.00	2.92	18.45	76.53	0.00	76.53	23.55	5.19	0.00	3.00	0.98	1.32	2.86	23.39	-0.07	17.44	3.00
458	4.58	1.90	92.00	-5.08	4.85	1.90	4.84	3.00	2.91	18.44	76.71	0.00	76.71	23.75	5.05	0.00	3.00	0.97	1.31	2.85	23.57	-0.07	17.76	3.00
459	4.59	1.91	91.22	-5.18	4.77	1.91	4.78	3.00	2.90	18.43	76.90	0.00	76.90	23.82	4.98	0.00	3.00	0.97	1.31	2.84	23.63	-0.07	17.92	3.00
460	4.60	1.93	88.72	-5.08	4.59	1.93	4.60	3.00	2.89	18.40	77.08	0.00	77.08	24.02	4.79	0.00	3.00	0.97	1.30	2.83	23.80	-0.07	18.37	3.00
461	4.61	1.95	86.90	-5.08	4.46	1.95	4.46	3.00	2.88	18.38	77.26	0.00	77.26	24.22	4.64	0.00	3.00	0.96	1.30	2.82	23.97	-0.07	18.74	3.00
462	4.62	1.98	84.59	-5.08	4.27	1.98	4.27	3.00	2.86	18.35	77.45	0.00	77.45	24.55	4.45	0.00	3.00	0.95	1.29	2.80	24.26	-0.07	19.26	3.00
463	4.63	2.05	79.90	-4.98	3.90	2.05	3.90	3.00	2.82	18.30	77.63	0.00	77.63	25.39	4.05	0.00	4.00	0.94	1.28	2.76	25.00	-0.06	20.43	3.00
464	4.64	2.07	77.56	-4.98	3.75	2.07	3.75	3.00	2.81	18.27	77.81	0.00	77.81	25.59	3.90	0.00	4.00	0.94	1.28	2.75	25.16	-0.06	20.93	3.00
465	4.65	2.10	71.79	-4.98	3.41	2.10	3.42	4.00	2.78	18.19	78.00	0.00	78.00	25.91	3.55	0.00	4.00	0.92	1.27	2.72	25.41	-0.06	22.09	5.00
466	4.66	2.12	68.26	-4.98	3.22	2.12	3.22	4.00	2.76	18.13	78.18	0.00	78.18	26.10	3.34	0.00	4.00	0.92	1.27	2.70	25.55	-0.06	22.87	5.00
467	4.67	2.14	65.11	-4.98	3.04	2.14	3.04	4.00	2.74	18.08	78.36	0.00	78.36	26.30	3.16	0.00	4.00	0.91	1.26	2.68	25.70	-0.06	23.61	5.00
468	4.68	2.18	58.30	-4.89	2.68	2.18	2.68	4.00	2.70	17.96	78.54	0.00	78.54	26.74	2.78	0.00	4.00	0.90	1.26	2.64	26.04	-0.06	25.33	5.00
469	4.69	2.21	55.02	-4.89	2.49	2.21	2.49	4.00	2.68	17.90	78.72	0.00	78.72	27.06	2.58	0.00	4.00	0.89	1.25	2.62	26.30	-0.06	26.32	5.00
470	4.70	2.26	49.79	-4.89	2.20	2.26	2.20	4.00	2.64	17.80	78.89	0.00	78.89	27.63	2.28	0.00	4.00	0.87	1.24	2.58	26.77	-0.06	28.04	5.00
471	4.71	2.28	47.67	-4.79	2.10	2.28	2.09	4.00	2.62	17.75	79.07	0.00	79.07	27.82	2.17	0.00	4.00	0.87	1.24	2.57	26.92	-0.06	28.77	5.00
472	4.72	2.30	44.99	-4.89	1.96	2.30	1.96	4.00	2.60	17.69	79.25	0.00	79.25	28.01	2.03	0.00	4.00	0.86	1.24	2.55	27.06	-0.06	29.68	5.00
473	4.73	2.30	43.76	-4.79	1.90	2.30	1.90	4.00	2.59	17.65	79.43	0.00	79.43	27.95	1.97	0.00	4.00	0.86	1.23	2.54	26.99	-0.06	30.02	5.00
474	4.74	2.31	41.49	-4.79	1.79	2.31	1.80	4.00	2.58	17.59	79.60	0.00	79.60	28.01	1.86	0.00	4.00	0.85	1.23	2.52	27.02	-0.06	30.78	5.00
475	4.75	2.31	40.74	-4.79	1.76	2.31	1.76	4.00	2.57	17.57	79.78	0.00	79.78	27.94	1.83	0.00	4.00	0.85	1.23	2.52	26.96	-0.06	30.99	5.00
476	4.76	2.30	40.07	-4.79	1.74	2.30	1.74	4.00	2.57	17.55	79.95	0.00	79.95	27.75	1.81	0.00	4.00	0.85	1.22	2.52	26.78	-0.06	31.08	5.00
477	4.77	2.28	39.51	-4.79	1.73	2.28	1.73	4.00	2.57	17.53	80.13	0.00	80.13	27.44	1.80	0.00	4.00	0.85	1.22	2.52	26.50	-0.06	31.03	5.00
478	4.78	2.26	39.29	-4.89	1.73	2.26	1.74	4.00	2.58	17.52	80.30	0.00	80.30	27.13	1.80	0.00	4.00	0.85	1.22	2.53	26.22	-0.06	30.88	5.00
479	4.79	2.26	39.29	-4.79	1.73	2.26	1.74	4.00	2.58	17.52	80.48	0.00	80.48	27.07	1.80	0.00	4.00	0.85	1.22	2.53	26.17	-0.06	30.86	5.00
480	4.80	2.27	39.22	-4.79	1.73	2.27	1.73	4.00	2.57	17.52	80.65	0.00	80.65	27.13	1.79	0.00	4.00	0.85	1.21	2.53	26.23	-0.06	30.96	5.00
481	4.81	2.29	39.38	-4.79	1.72	2.29	1.72	4.00	2.57	17.53	80.83	0.00	80.83	27.32	1.78	0.00	4.00	0.85	1.21	2.52	26.41	-0.06	31.09	5.00
482	4.82	2.36	39.73	-4.79	1.69	2.36	1.68	4.00	2.55	17.55	81.00	0.00	81.00	28.12	1.74	0.00	5.00	0.85	1.21	2.51	27.16	-0.06	31.66	5.00
483	4.83	2.39	40.01	-4.70	1.68	2.39	1.67	4.00	2.55	17.57	81.18	0.00	81.18	28.43	1.73	0.00	5.00	0.84	1.21	2.50	27.46	-0.06	31.85	5.00
484	4.84	2.42	40.36	-4.70	1.67	2.42	1.67	4.00	2.54	17.58	81.36	0.00	81.36	28.73	1.73	0.00	5.00	0.84	1.20	2.50	27.75	-0.06	32.02	5.00
485	4.85	2.49	40.93	-4.60	1.64	2.49	1.64	4.00	2.53	17.61	81.53	0.00	81.53	29.53	1.70	0.00	5.00	0.84	1.20	2.48	28.50	-0.06	32.50	7.00
486	4.86	2.52	41.21	-4.60	1.63	2.52	1.64	4.00	2.52	17.62	81.71	0.00	81.71	29.83	1.69	0.00	5.00	0.83	1.20	2.48	28.79	-0.06	32.68	7.00
487	4.87	2.58	41.78	-4.50	1.62	2.58	1.62	5.00	2.51	17.64	81.88	0.00	81.88	30.50	1.67	0.00	5.00	0.83	1.19	2.47	29.42	-0.05	33.06	7.00
488	4.88	2.61	42.06	-4.41	1.61	2.61	1.61	5.00	2.51	17.66	82.06	0.00	82.06	30.79	1.66	0.00	5.00	0.83	1.19	2.46	29.70	-0.05	33.24	7.00
489	4.89	2.63	43.10	-4.41	1.64	2.63	1.64	5.00	2.51	17.69	82.24	0.00	82.24	30.97	1.69	0.00	5.00	0.83	1.19	2.46	29.89	-0.05	33.08	7.00
490	4.90	2.63	43.45	-4.41	1.65	2.63	1.65	5.00	2.51	17.70	82.42	0.00	82.42	30.90	1.71	0.00	5.00	0.83	1.19	2.47	29.84	-0.05	32.95	7.00
491	4.91	2.63	43.45	-4.41	1.65	2.63	1.65	5.00	2.51	17.70	82.59	0.00	82.59	30.83	1.71	0.00	5.00	0.83	1.19	2.47	29.79	-0.05	32.93	7.00
492	4.92	2.63	43.45	-4.41	1.65	2.63	1.65	5.00	2.51	17.70	82.77	0.00	82.77	30.76	1.71	0.00	5.00	0.83	1.18	2.47	29.73	-0.05	32.91	7.00
493	4.93	2.54	40.96	-2.30	1.61	2.54	1.61	5.00	2.52	17.62	82.95	0.00	82.95	29.62	1.67	0.00	5.00	0.83	1.18	2.48	28.65	-0.03	32.82	7.00
494	4.94	2.52	41.46	-2.30	1.65	2.52	1.65	4.00	2.52	17.63	83.12	0.00	83.12	29.31	1.70	0.00	5.00	0.84	1.18	2.48	28.38	-0.03	32.45	7.00
495	4.95	2.44	42.06	-2.40	1.72	2.44	1.72	4.00	2.55	17.63	83.30	0.00	83.30	28.29	1.79	0.00	5.00	0.85	1.18	2.51	27.45	-0.03	31.47	5.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
496	4.96	2.39	42.63	-2.40	1.78	2.39	1.78	4.00	2.56	17.64	83.47	0.00	83.47	27.63	1.85	0.00	4.00	0.85	1.18	2.53	26.85	-0.03	30.80	5.00
497	4.97	2.25	43.45	-2.49	1.93	2.25	1.93	4.00	2.60	17.64	83.65	0.00	83.65	25.89	2.01	0.00	4.00	0.87	1.18	2.57	25.25	-0.03	29.22	5.00
498	4.98	2.20	44.36	-2.59	2.02	2.20	2.02	4.00	2.62	17.65	83.83	0.00	83.83	25.24	2.10	0.00	4.00	0.88	1.18	2.59	24.66	-0.03	28.48	5.00
499	4.99	2.11	45.56	-2.68	2.15	2.11	2.16	4.00	2.65	17.67	84.00	0.00	84.00	24.11	2.25	0.00	4.00	0.89	1.18	2.62	23.62	-0.03	27.30	5.00
500	5.00	2.02	45.56	-2.78	2.26	2.02	2.26	4.00	2.68	17.65	84.18	0.00	84.18	22.99	2.35	0.00	4.00	0.90	1.18	2.65	22.57	-0.03	26.45	5.00
501	5.01	1.99	45.56	-2.68	2.29	1.99	2.29	4.00	2.69	17.64	84.36	0.00	84.36	22.58	2.39	0.00	4.00	0.90	1.18	2.66	22.19	-0.03	26.16	5.00
502	5.02	1.95	45.34	-2.68	2.33	1.95	2.33	4.00	2.70	17.63	84.53	0.00	84.53	22.06	2.43	0.00	4.00	0.91	1.18	2.67	21.70	-0.03	25.82	5.00
503	5.03	1.93	45.34	-2.78	2.35	1.93	2.35	4.00	2.71	17.63	84.71	0.00	84.71	21.78	2.46	0.00	4.00	0.91	1.18	2.68	21.44	-0.03	25.62	5.00
504	5.04	1.90	44.99	-2.78	2.37	1.90	2.37	4.00	2.71	17.61	84.89	0.00	84.89	21.38	2.48	0.00	4.00	0.92	1.18	2.69	21.06	-0.03	25.41	5.00
505	5.05	1.84	44.39	-2.88	2.41	1.84	2.41	4.00	2.73	17.58	85.06	0.00	85.06	20.62	2.53	0.00	4.00	0.92	1.18	2.70	20.34	-0.03	24.98	5.00
506	5.06	1.83	45.50	-2.88	2.49	1.83	2.49	4.00	2.74	17.61	85.24	0.00	85.24	20.46	2.61	0.00	4.00	0.93	1.17	2.71	20.20	-0.03	24.61	5.00
507	5.07	1.81	45.81	-2.88	2.54	1.81	2.53	4.00	2.75	17.61	85.41	0.00	85.41	20.18	2.66	0.00	4.00	0.93	1.17	2.72	19.94	-0.03	24.35	5.00
508	5.08	1.79	45.56	-2.88	2.55	1.79	2.55	4.00	2.75	17.60	85.59	0.00	85.59	19.91	2.67	0.00	4.00	0.93	1.17	2.73	19.68	-0.03	24.20	5.00
509	5.09	1.78	44.55	-2.88	2.51	1.78	2.50	4.00	2.75	17.58	85.77	0.00	85.77	19.75	2.63	0.00	4.00	0.93	1.17	2.73	19.52	-0.03	24.33	5.00
510	5.10	1.78	43.83	-2.78	2.46	1.78	2.46	4.00	2.75	17.56	85.94	0.00	85.94	19.71	2.59	0.00	4.00	0.93	1.17	2.72	19.48	-0.03	24.48	5.00
511	5.11	1.79	42.66	-2.78	2.38	1.79	2.38	4.00	2.74	17.53	86.12	0.00	86.12	19.78	2.50	0.00	4.00	0.93	1.16	2.71	19.54	-0.03	24.84	5.00
512	5.12	1.83	40.64	-2.78	2.23	1.83	2.22	4.00	2.71	17.48	86.29	0.00	86.29	20.20	2.33	0.00	4.00	0.92	1.16	2.69	19.93	-0.03	25.70	5.00
513	5.13	1.85	39.66	-2.68	2.14	1.85	2.14	4.00	2.70	17.46	86.47	0.00	86.47	20.39	2.25	0.00	4.00	0.91	1.16	2.68	20.11	-0.03	26.13	5.00
514	5.14	1.87	38.40	-2.68	2.05	1.87	2.05	4.00	2.68	17.42	86.64	0.00	86.64	20.58	2.15	0.00	4.00	0.91	1.15	2.66	20.28	-0.03	26.64	0.00
515	5.15	1.89	38.02	-2.68	2.01	1.89	2.01	4.00	2.68	17.42	86.81	0.00	86.81	20.76	2.11	0.00	4.00	0.90	1.15	2.65	20.46	-0.03	26.92	0.00
516	5.16	1.90	37.52	-2.68	1.97	1.90	1.98	4.00	2.67	17.40	86.99	0.00	86.99	20.84	2.07	0.00	4.00	0.90	1.15	2.65	20.53	-0.03	27.14	4.00
517	5.17	1.93	36.29	-2.59	1.88	1.93	1.88	4.00	2.65	17.37	87.16	0.00	87.16	21.14	1.97	0.00	4.00	0.90	1.14	2.63	20.81	-0.03	27.76	4.00
518	5.18	1.93	35.85	-2.59	1.85	1.93	1.86	4.00	2.65	17.36	87.34	0.00	87.34	21.09	1.95	0.00	4.00	0.89	1.14	2.63	20.77	-0.03	27.86	4.00
519	5.19	1.95	34.62	-2.59	1.78	1.95	1.78	4.00	2.63	17.32	87.51	0.00	87.51	21.28	1.86	0.00	4.00	0.89	1.14	2.61	20.94	-0.03	28.40	4.00
520	5.20	1.97	33.30	-2.49	1.69	1.97	1.69	4.00	2.62	17.28	87.68	0.00	87.68	21.46	1.77	0.00	4.00	0.88	1.14	2.60	21.10	-0.03	28.98	4.00
521	5.21	1.99	32.22	-2.49	1.62	1.99	1.62	4.00	2.60	17.25	87.85	0.00	87.85	21.65	1.69	0.00	4.00	0.88	1.13	2.59	21.27	-0.03	29.49	4.00
522	5.22	2.07	31.66	-2.40	1.53	2.07	1.53	4.00	2.58	17.24	88.03	0.00	88.03	22.51	1.60	0.00	4.00	0.87	1.13	2.56	22.10	-0.03	30.48	4.00
523	5.23	2.11	31.59	-2.40	1.49	2.11	1.50	4.00	2.56	17.25	88.20	0.00	88.20	22.92	1.56	0.00	4.00	0.86	1.13	2.55	22.49	-0.03	30.90	4.00
524	5.24	2.16	31.56	-2.40	1.46	2.16	1.46	4.00	2.55	17.25	88.37	0.00	88.37	23.44	1.52	0.00	4.00	0.86	1.12	2.53	22.99	-0.03	31.41	4.00
525	5.25	2.25	32.35	-2.30	1.44	2.25	1.44	5.00	2.53	17.30	88.54	0.00	88.54	24.41	1.50	0.00	5.00	0.85	1.12	2.51	23.92	-0.03	32.06	6.00
526	5.26	2.28	32.70	-2.20	1.43	2.28	1.43	5.00	2.53	17.32	88.72	0.00	88.72	24.69	1.49	0.00	5.00	0.85	1.12	2.51	24.21	-0.02	32.23	6.00
527	5.27	2.31	33.14	-2.20	1.43	2.31	1.43	5.00	2.52	17.34	88.89	0.00	88.89	24.98	1.49	0.00	5.00	0.85	1.12	2.50	24.49	-0.02	32.37	6.00
528	5.28	2.34	33.96	-2.11	1.45	2.34	1.45	5.00	2.52	17.37	89.06	0.00	89.06	25.27	1.51	0.00	5.00	0.85	1.12	2.50	24.78	-0.02	32.38	6.00
529	5.29	2.36	34.78	-2.11	1.47	2.36	1.47	5.00	2.52	17.40	89.24	0.00	89.24	25.44	1.53	0.00	5.00	0.85	1.11	2.50	24.96	-0.02	32.30	6.00
530	5.30	2.39	35.85	-2.11	1.50	2.39	1.50	5.00	2.52	17.44	89.41	0.00	89.41	25.72	1.56	0.00	5.00	0.85	1.11	2.50	25.24	-0.02	32.23	6.00
531	5.31	2.41	36.23	-2.11	1.50	2.41	1.50	5.00	2.52	17.45	89.59	0.00	89.59	25.90	1.56	0.00	5.00	0.85	1.11	2.50	25.42	-0.02	32.29	6.00
532	5.32	2.44	36.98	-2.01	1.52	2.44	1.52	5.00	2.51	17.48	89.76	0.00	89.76	26.18	1.57	0.00	5.00	0.85	1.11	2.50	25.70	-0.02	32.32	6.00
533	5.33	2.46	37.77	-2.01	1.54	2.46	1.54	5.00	2.51	17.51	89.94	0.00	89.94	26.35	1.59	0.00	5.00	0.85	1.11	2.50	25.87	-0.02	32.25	7.00
534	5.34	2.41	39.00	-2.11	1.62	2.41	1.62	4.00	2.54	17.54	90.11	0.00	90.11	25.74	1.68	0.00	4.00	0.86	1.11	2.52	25.31	-0.02	31.37	5.00
535	5.35	2.36	39.70	-2.11	1.68	2.36	1.68	4.00	2.55	17.55	90.29	0.00	90.29	25.13	1.75	0.00	4.00	0.86	1.10	2.54	24.74	-0.02	30.67	5.00
536	5.36	2.30	40.11	-2.20	1.75	2.30	1.74	4.00	2.57	17.55	90.46	0.00	90.46	24.42	1.82	0.00	4.00	0.87	1.10	2.56	24.06	-0.02	29.96	5.00
537	5.37	2.17	41.21	-2.20	1.90	2.17	1.90	4.00	2.61	17.56	90.64	0.00	90.64	22.94	1.98	0.00	4.00	0.89	1.10	2.60	22.65	-0.02	28.42	5.00
538	5.38	2.10	42.34	-2.30	2.02	2.10	2.02	4.00	2.64	17.58	90.82	0.00	90.82	22.12	2.11	0.00	4.00	0.90	1.10	2.63	21.87	-0.03	27.45	5.00
539	5.39	2.03	43.95	-2.30	2.17	2.03	2.17	4.00	2.67	17.61	90.99	0.00	90.99	21.30	2.27	0.00	4.00	0.91	1.10	2.66	21.10	-0.03	26.39	5.00
540	5.40	1.85	48.49	-2.49	2.62	1.85	2.62	4.00	2.75	17.69	91.17	0.00	91.17	19.29	2.76	0.00	4.00	0.94	1.10	2.75	19.17	-0.03	23.74	5.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
541	5.41	1.77	51.36	-2.49	2.91	1.77	2.90	4.00	2.79	17.74	91.35	0.00	91.35	18.37	3.06	0.00	4.00	0.96	1.10	2.79	18.29	-0.03	22.46	5.00
542	5.42	1.73	53.73	-2.59	3.11	1.73	3.11	4.00	2.82	17.78	91.52	0.00	91.52	17.90	3.28	0.00	4.00	0.97	1.10	2.82	17.84	-0.03	21.66	3.00
543	5.43	1.67	57.07	-2.59	3.41	1.67	3.42	3.00	2.86	17.84	91.70	0.00	91.70	17.21	3.62	0.00	3.00	0.98	1.10	2.86	17.18	-0.03	20.57	3.00
544	5.44	1.63	59.02	-2.68	3.62	1.63	3.62	3.00	2.88	17.87	91.88	0.00	91.88	16.73	3.84	0.00	3.00	0.99	1.10	2.88	16.72	-0.03	19.91	3.00
545	5.45	1.55	63.37	-2.78	4.09	1.55	4.09	3.00	2.93	17.93	92.06	0.00	92.06	15.83	4.35	0.00	3.00	1.00	1.10	2.93	15.83	-0.03	18.61	3.00
546	5.46	1.54	65.46	-2.68	4.26	1.54	4.25	3.00	2.94	17.96	92.24	0.00	92.24	15.69	4.52	0.00	3.00	1.00	1.10	2.95	15.69	-0.03	18.22	3.00
547	5.47	1.55	69.37	-2.49	4.48	1.55	4.48	3.00	2.95	18.03	92.42	0.00	92.42	15.77	4.76	0.00	3.00	1.00	1.10	2.96	15.77	-0.03	17.76	3.00
548	5.48	1.55	71.48	-2.30	4.60	1.55	4.61	3.00	2.96	18.07	92.60	0.00	92.60	15.73	4.91	0.00	3.00	1.00	1.09	2.97	15.73	-0.02	17.48	3.00
549	5.49	1.55	73.12	-2.11	4.72	1.55	4.72	3.00	2.97	18.09	92.78	0.00	92.78	15.70	5.02	0.00	3.00	1.00	1.09	2.98	15.70	-0.02	17.27	3.00
550	5.50	1.56	75.10	-1.34	4.82	1.56	4.81	3.00	2.97	18.13	92.96	0.00	92.96	15.78	5.12	0.00	3.00	1.00	1.09	2.98	15.78	-0.01	17.10	3.00
551	5.51	1.58	75.14	-1.05	4.77	1.58	4.76	3.00	2.96	18.13	93.14	0.00	93.14	15.96	5.05	0.00	3.00	1.00	1.09	2.97	15.96	-0.01	17.23	3.00
552	5.52	1.60	74.98	-0.96	4.68	1.60	4.69	3.00	2.96	18.13	93.33	0.00	93.33	16.14	4.98	0.00	3.00	1.00	1.09	2.97	16.14	-0.01	17.39	3.00
553	5.53	1.68	73.97	-0.86	4.41	1.68	4.40	3.00	2.92	18.14	93.51	0.00	93.51	16.96	4.66	0.00	3.00	1.00	1.08	2.93	16.96	-0.01	18.08	3.00
554	5.54	1.71	74.03	-0.67	4.32	1.71	4.33	3.00	2.91	18.15	93.69	0.00	93.69	17.25	4.58	0.00	3.00	1.00	1.08	2.92	17.25	-0.01	18.29	3.00
555	5.55	1.80	73.78	-0.58	4.10	1.80	4.10	3.00	2.88	18.16	93.87	0.00	93.87	18.17	4.32	0.00	3.00	1.00	1.08	2.89	18.17	-0.01	18.96	3.00
556	5.56	1.85	73.69	-0.48	3.98	1.85	3.98	3.00	2.86	18.17	94.05	0.00	94.05	18.67	4.20	0.00	3.00	0.99	1.08	2.87	18.65	-0.01	19.32	3.00
557	5.57	1.91	73.43	-0.48	3.84	1.91	3.84	3.00	2.84	18.18	94.23	0.00	94.23	19.27	4.04	0.00	3.00	0.98	1.07	2.85	19.24	-0.01	19.78	3.00
558	5.58	2.00	73.21	-0.29	3.66	2.00	3.66	3.00	2.81	18.19	94.42	0.00	94.42	20.18	3.84	0.00	3.00	0.97	1.07	2.82	20.14	0.00	20.45	3.00
559	5.59	2.04	72.55	-0.29	3.56	2.04	3.56	4.00	2.80	18.19	94.60	0.00	94.60	20.56	3.73	0.00	3.00	0.97	1.07	2.80	20.52	0.00	20.83	3.00
560	5.60	2.08	72.27	-0.29	3.48	2.08	3.47	4.00	2.79	18.19	94.78	0.00	94.78	20.95	3.64	0.00	4.00	0.96	1.07	2.79	20.89	0.00	21.15	3.00
561	5.61	2.06	72.83	-0.29	3.53	2.06	3.54	4.00	2.79	18.20	94.96	0.00	94.96	20.69	3.71	0.00	3.00	0.96	1.06	2.80	20.64	0.00	20.92	3.00
562	5.62	1.97	73.18	-0.38	3.72	1.97	3.71	3.00	2.82	18.19	95.14	0.00	95.14	19.70	3.90	0.00	3.00	0.98	1.06	2.83	19.67	0.00	20.21	3.00
563	5.63	1.92	72.58	-0.38	3.78	1.92	3.78	3.00	2.84	18.17	95.32	0.00	95.32	19.14	3.98	0.00	3.00	0.98	1.06	2.85	19.12	0.00	19.94	3.00
564	5.64	1.86	70.00	-0.38	3.76	1.86	3.76	3.00	2.84	18.11	95.51	0.00	95.51	18.47	3.97	0.00	3.00	0.99	1.06	2.86	18.46	0.00	19.87	3.00
565	5.65	1.84	69.11	-0.48	3.76	1.84	3.76	3.00	2.85	18.09	95.69	0.00	95.69	18.23	3.96	0.00	3.00	0.99	1.06	2.86	18.22	-0.01	19.85	3.00
566	5.66	1.80	68.33	-0.48	3.80	1.80	3.80	3.00	2.86	18.07	95.87	0.00	95.87	17.77	4.01	0.00	3.00	0.99	1.06	2.87	17.77	-0.01	19.66	3.00
567	5.67	1.80	67.41	-0.48	3.75	1.80	3.75	3.00	2.85	18.06	96.05	0.00	96.05	17.74	3.96	0.00	3.00	0.99	1.05	2.87	17.73	-0.01	19.79	3.00
568	5.68	1.85	67.35	-0.38	3.63	1.85	3.64	3.00	2.84	18.07	96.23	0.00	96.23	18.22	3.84	0.00	3.00	0.98	1.05	2.85	18.21	0.00	20.16	3.00
569	5.69	1.92	66.97	-0.10	3.48	1.92	3.49	3.00	2.81	18.07	96.41	0.00	96.41	18.91	3.67	0.00	3.00	0.98	1.05	2.83	18.89	0.00	20.73	3.00
570	5.70	2.07	67.92	0.67	3.28	2.07	3.28	4.00	2.77	18.12	96.59	0.00	96.59	20.43	3.44	0.00	4.00	0.96	1.05	2.78	20.39	0.01	21.68	3.00
571	5.71	2.13	68.33	1.25	3.21	2.13	3.21	4.00	2.76	18.14	96.77	0.00	96.77	21.01	3.36	0.00	4.00	0.95	1.04	2.77	20.97	0.01	22.05	5.00
572	5.72	2.21	70.31	2.01	3.18	2.21	3.18	4.00	2.74	18.18	96.95	0.00	96.95	21.80	3.33	0.00	4.00	0.95	1.04	2.75	21.75	0.02	22.30	5.00
573	5.73	2.25	71.01	2.01	3.15	2.25	3.16	4.00	2.73	18.20	97.14	0.00	97.14	22.17	3.30	0.00	4.00	0.94	1.04	2.75	22.12	0.02	22.47	5.00
574	5.74	2.25	71.64	2.01	3.19	2.25	3.18	4.00	2.73	18.21	97.32	0.00	97.32	22.12	3.33	0.00	4.00	0.95	1.04	2.75	22.08	0.02	22.36	5.00
575	5.75	2.23	70.72	2.01	3.17	2.23	3.17	4.00	2.74	18.19	97.50	0.00	97.50	21.88	3.32	0.00	4.00	0.95	1.04	2.75	21.83	0.02	22.36	5.00
576	5.76	2.22	68.23	2.01	3.07	2.22	3.07	4.00	2.73	18.15	97.68	0.00	97.68	21.73	3.21	0.00	4.00	0.94	1.04	2.75	21.69	0.02	22.68	5.00
577	5.77	2.21	64.45	2.01	2.91	2.21	2.92	4.00	2.72	18.08	97.86	0.00	97.86	21.59	3.05	0.00	4.00	0.94	1.03	2.73	21.54	0.02	23.24	5.00
578	5.78	2.21	63.28	2.01	2.87	2.21	2.86	4.00	2.71	18.06	98.04	0.00	98.04	21.55	3.00	0.00	4.00	0.94	1.03	2.73	21.50	0.02	23.44	5.00
579	5.79	2.23	61.55	1.92	2.76	2.23	2.76	4.00	2.70	18.03	98.22	0.00	98.22	21.71	2.89	0.00	4.00	0.93	1.03	2.72	21.66	0.02	23.89	5.00
580	5.80	2.25	60.57	2.01	2.69	2.25	2.69	4.00	2.69	18.02	98.40	0.00	98.40	21.87	2.81	0.00	4.00	0.93	1.03	2.71	21.82	0.02	24.21	5.00
581	5.81	2.28	59.72	1.92	2.62	2.28	2.62	4.00	2.68	18.01	98.58	0.00	98.58	22.13	2.74	0.00	4.00	0.93	1.03	2.70	22.09	0.02	24.60	5.00
582	5.82	2.30	57.83	2.01	2.51	2.30	2.51	4.00	2.66	17.97	98.76	0.00	98.76	22.29	2.63	0.00	4.00	0.92	1.02	2.68	22.25	0.02	25.11	5.00
583	5.83	2.30	56.25	2.01	2.44	2.30	2.45	4.00	2.66	17.94	98.94	0.00	98.94	22.25	2.56	0.00	4.00	0.92	1.02	2.68	22.21	0.02	25.41	5.00
584	5.84	2.29	54.64	2.01	2.38	2.29	2.39	4.00	2.65	17.91	99.12	0.00	99.12	22.11	2.49	0.00	4.00	0.92	1.02	2.67	22.07	0.02	25.65	5.00
585	5.85	2.23	52.31	1.92	2.35	2.23	2.35	4.00	2.66	17.85	99.30	0.00	99.30	21.46	2.45	0.00	4.00	0.92	1.02	2.68	21.43	0.02	25.63	5.00

GeoDeep
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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
586	5.86	2.17	51.55	1.92	2.37	2.17	2.38	4.00	2.67	17.82	99.48	0.00	99.48	20.82	2.49	0.00	4.00	0.92	1.02	2.69	20.79	0.02	25.29	5.00
587	5.87	1.99	50.86	1.82	2.55	1.99	2.56	4.00	2.72	17.77	99.66	0.00	99.66	18.97	2.69	0.00	4.00	0.94	1.02	2.74	18.96	0.02	23.93	5.00
588	5.88	1.87	50.10	1.63	2.68	1.87	2.68	4.00	2.75	17.73	99.83	0.00	99.83	17.73	2.83	0.00	4.00	0.96	1.01	2.78	17.72	0.02	23.07	5.00
589	5.89	1.67	49.50	1.34	2.97	1.67	2.96	4.00	2.82	17.67	100.01	0.00	100.01	15.70	3.15	0.00	3.00	0.99	1.01	2.85	15.70	0.01	21.51	3.00
590	5.90	1.58	50.04	1.25	3.18	1.58	3.17	3.00	2.85	17.66	100.19	0.00	100.19	14.77	3.38	0.00	3.00	1.00	1.01	2.89	14.77	0.01	20.65	3.00
591	5.91	1.58	50.04	1.25	3.18	1.58	3.17	3.00	2.85	17.66	100.36	0.00	100.36	14.75	3.38	0.00	3.00	1.00	1.01	2.89	14.75	0.01	20.65	3.00
592	5.92	1.58	50.04	1.25	3.18	1.58	3.17	3.00	2.85	17.66	100.54	0.00	100.54	14.72	3.38	0.00	3.00	1.00	1.01	2.89	14.72	0.01	20.64	3.00
593	5.93	1.51	48.08	0.48	3.19	1.51	3.18	3.00	2.87	17.60	100.72	0.00	100.72	13.99	3.41	0.00	3.00	1.00	1.01	2.91	13.99	0.00	20.38	2.00
594	5.94	1.37	51.87	0.19	3.78	1.37	3.79	3.00	2.95	17.65	100.89	0.00	100.89	12.58	4.09	0.00	3.00	1.00	1.00	3.00	12.58	0.00	18.60	2.00
595	5.95	1.31	54.42	0.10	4.16	1.31	4.15	3.00	2.99	17.69	101.07	0.00	101.07	11.96	4.50	0.00	3.00	1.00	1.00	3.04	11.96	0.00	17.73	2.00
596	5.96	1.27	56.94	0.29	4.48	1.27	4.48	3.00	3.02	17.73	101.25	0.00	101.25	11.54	4.87	0.00	3.00	1.00	1.00	3.07	11.54	0.00	17.07	2.00
597	5.97	1.26	61.01	1.05	4.84	1.26	4.84	3.00	3.04	17.81	101.42	0.00	101.42	11.43	5.26	0.00	3.00	1.00	1.00	3.10	11.43	0.01	16.46	2.00
598	5.98	1.26	62.24	1.25	4.94	1.26	4.94	3.00	3.05	17.83	101.60	0.00	101.60	11.40	5.37	0.00	3.00	1.00	1.00	3.10	11.40	0.01	16.31	2.00
599	5.99	1.26	62.71	1.34	4.98	1.26	4.98	3.00	3.05	17.84	101.78	0.00	101.78	11.38	5.41	0.00	3.00	1.00	1.00	3.11	11.38	0.01	16.25	2.00
600	6.00	1.27	61.39	1.44	4.85	1.27	4.83	3.00	3.04	17.82	101.96	0.00	101.96	11.46	5.25	0.00	3.00	1.00	0.99	3.09	11.46	0.01	16.48	2.00
601	6.01	1.27	60.32	1.44	4.75	1.27	4.75	3.00	3.04	17.80	102.14	0.00	102.14	11.44	5.16	0.00	3.00	1.00	0.99	3.09	11.44	0.01	16.61	2.00
602	6.02	1.29	58.30	1.44	4.53	1.29	4.52	3.00	3.02	17.76	102.32	0.00	102.32	11.61	4.91	0.00	3.00	1.00	0.99	3.07	11.61	0.01	17.02	2.00
603	6.03	1.31	57.16	1.44	4.35	1.31	4.36	3.00	3.00	17.75	102.49	0.00	102.49	11.78	4.73	0.00	3.00	1.00	0.99	3.06	11.78	0.01	17.32	2.00
604	6.04	1.34	56.19	1.53	4.21	1.34	4.19	3.00	2.98	17.73	102.67	0.00	102.67	12.05	4.54	0.00	3.00	1.00	0.99	3.04	12.05	0.01	17.68	2.00
605	6.05	1.35	55.08	1.53	4.08	1.35	4.08	3.00	2.98	17.71	102.85	0.00	102.85	12.13	4.42	0.00	3.00	1.00	0.99	3.03	12.13	0.01	17.91	2.00
606	6.06	1.33	55.11	1.44	4.14	1.33	4.14	3.00	2.98	17.71	103.02	0.00	103.02	11.91	4.49	0.00	3.00	1.00	0.98	3.04	11.91	0.01	17.74	2.00
607	6.07	1.30	53.70	1.44	4.14	1.30	4.13	3.00	2.99	17.67	103.20	0.00	103.20	11.60	4.49	0.00	3.00	1.00	0.98	3.05	11.60	0.01	17.70	2.00
608	6.08	1.29	52.50	1.44	4.08	1.29	4.07	3.00	2.99	17.64	103.38	0.00	103.38	11.48	4.42	0.00	3.00	1.00	0.98	3.05	11.48	0.01	17.78	2.00
609	6.09	1.28	50.92	1.34	3.99	1.28	3.98	3.00	2.99	17.60	103.55	0.00	103.55	11.36	4.33	0.00	3.00	1.00	0.98	3.05	11.36	0.01	17.93	2.00
610	6.10	1.29	47.61	1.15	3.68	1.29	3.69	3.00	2.96	17.53	103.73	0.00	103.73	11.44	4.01	0.00	3.00	1.00	0.98	3.02	11.44	0.01	18.50	2.00
611	6.11	1.36	45.84	1.25	3.38	1.36	3.37	3.00	2.92	17.51	103.90	0.00	103.90	12.09	3.65	0.00	3.00	1.00	0.98	2.98	12.09	0.01	19.36	2.00
612	6.12	1.47	44.99	1.53	3.06	1.47	3.06	3.00	2.87	17.51	104.08	0.00	104.08	13.13	3.29	0.00	3.00	1.00	0.97	2.92	13.13	0.01	20.43	2.00
613	6.13	1.72	47.64	2.40	2.77	1.72	2.77	4.00	2.79	17.64	104.26	0.00	104.26	15.50	2.95	0.00	4.00	0.98	0.97	2.84	15.51	0.02	22.05	5.00
614	6.14	1.93	49.38	3.16	2.56	1.93	2.56	4.00	2.73	17.73	104.43	0.00	104.43	17.49	2.70	0.00	4.00	0.96	0.97	2.77	17.51	0.03	23.44	5.00
615	6.15	2.63	50.86	4.31	1.93	2.63	1.93	4.00	2.55	17.88	104.61	0.00	104.61	24.15	2.01	0.00	4.00	0.89	0.97	2.58	24.24	0.04	28.82	5.00
616	6.16	2.97	51.02	4.60	1.71	2.97	1.72	5.00	2.48	17.93	104.79	0.00	104.79	27.35	1.78	0.00	5.00	0.86	0.97	2.51	27.48	0.04	31.52	5.00
617	6.17	3.36	50.92	4.79	1.52	3.36	1.52	5.00	2.40	17.97	104.97	0.00	104.97	31.02	1.56	0.00	5.00	0.83	0.97	2.43	31.21	0.05	34.69	7.00
618	6.18	3.46	49.91	4.89	1.44	3.46	1.44	5.00	2.38	17.96	105.15	0.00	105.15	31.92	1.49	0.00	5.00	0.82	0.97	2.41	32.13	0.05	35.77	7.00
619	6.19	3.53	49.12	4.89	1.39	3.53	1.39	5.00	2.36	17.95	105.33	0.00	105.33	32.52	1.43	0.00	5.00	0.81	0.97	2.39	32.76	0.05	36.56	7.00
620	6.20	3.54	48.81	4.89	1.38	3.54	1.38	5.00	2.36	17.95	105.51	0.00	105.51	32.56	1.42	0.00	5.00	0.81	0.97	2.39	32.81	0.05	36.71	7.00
621	6.21	3.53	47.80	4.89	1.35	3.53	1.35	5.00	2.35	17.92	105.69	0.00	105.69	32.41	1.40	0.00	5.00	0.81	0.97	2.38	32.67	0.05	36.91	7.00
622	6.22	3.50	47.77	4.89	1.36	3.50	1.36	5.00	2.36	17.92	105.87	0.00	105.87	32.07	1.41	0.00	5.00	0.81	0.96	2.39	32.33	0.05	36.65	7.00
623	6.23	3.46	47.74	4.89	1.38	3.46	1.38	5.00	2.37	17.91	106.05	0.00	106.05	31.64	1.42	0.00	5.00	0.82	0.96	2.40	31.90	0.05	36.31	7.00
624	6.24	3.34	49.12	4.79	1.47	3.34	1.47	5.00	2.39	17.93	106.23	0.00	106.23	30.45	1.52	0.00	5.00	0.83	0.96	2.43	30.70	0.05	34.90	7.00
625	6.25	3.26	49.63	4.70	1.52	3.26	1.52	5.00	2.41	17.93	106.40	0.00	106.40	29.65	1.57	0.00	5.00	0.83	0.96	2.45	29.89	0.04	34.09	7.00
626	6.26	3.09	51.24	4.60	1.66	3.09	1.66	5.00	2.45	17.95	106.58	0.00	106.58	28.00	1.72	0.00	5.00	0.85	0.96	2.49	28.21	0.04	32.26	7.00
627	6.27	3.00	50.95	4.50	1.70	3.00	1.70	5.00	2.47	17.93	106.76	0.00	106.76	27.11	1.76	0.00	5.00	0.86	0.96	2.51	27.31	0.04	31.60	5.00
628	6.28	2.92	51.11	4.50	1.75	2.92	1.75	5.00	2.49	17.92	106.94	0.00	106.94	26.31	1.82	0.00	4.00	0.86	0.95	2.53	26.51	0.04	30.90	5.00
629	6.29	2.82	50.54	4.50	1.79	2.82	1.79	5.00	2.50	17.90	107.12	0.00	107.12	25.33	1.86	0.00	4.00	0.87	0.95	2.55	25.51	0.04	30.22	5.00
630	6.30	2.80	50.16	4.50	1.79	2.80	1.79	5.00	2.51	17.89	107.30	0.00	107.30	25.10	1.86	0.00	4.00	0.87	0.95	2.55	25.29	0.04	30.14	5.00

GeoDeep
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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
631	6.31	2.80	49.97	4.50	1.79	2.80	1.78	5.00	2.51	17.88	107.48	0.00	107.48	25.06	1.86	0.00	4.00	0.87	0.95	2.55	25.25	0.04	30.17	5.00
632	6.32	2.81	51.43	4.60	1.83	2.81	1.83	4.00	2.51	17.92	107.66	0.00	107.66	25.11	1.90	0.00	4.00	0.88	0.95	2.55	25.30	0.04	29.88	5.00
633	6.33	2.80	52.09	4.50	1.86	2.80	1.86	4.00	2.52	17.93	107.84	0.00	107.84	24.97	1.93	0.00	4.00	0.88	0.95	2.56	25.16	0.04	29.63	5.00
634	6.34	2.80	52.53	4.50	1.87	2.80	1.88	4.00	2.52	17.94	108.02	0.00	108.02	24.93	1.95	0.00	4.00	0.88	0.95	2.56	25.12	0.04	29.51	5.00
635	6.35	2.77	53.51	4.50	1.93	2.77	1.93	4.00	2.53	17.96	108.20	0.00	108.20	24.61	2.01	0.00	4.00	0.88	0.94	2.57	24.80	0.04	29.04	5.00
636	6.36	2.74	53.63	4.50	1.96	2.74	1.96	4.00	2.54	17.96	108.38	0.00	108.38	24.29	2.04	0.00	4.00	0.89	0.94	2.58	24.48	0.04	28.76	5.00
637	6.37	2.69	53.47	4.50	1.99	2.69	1.99	4.00	2.55	17.94	108.56	0.00	108.56	23.79	2.07	0.00	4.00	0.89	0.94	2.59	23.97	0.04	28.39	5.00
638	6.38	2.65	52.91	4.50	1.99	2.65	2.00	4.00	2.55	17.93	108.74	0.00	108.74	23.38	2.08	0.00	4.00	0.89	0.94	2.60	23.55	0.04	28.19	5.00
639	6.39	2.62	52.18	4.50	1.99	2.62	1.99	4.00	2.56	17.91	108.91	0.00	108.91	23.06	2.08	0.00	4.00	0.90	0.94	2.61	23.24	0.04	28.10	5.00
640	6.40	2.59	51.68	4.41	2.00	2.59	1.99	4.00	2.56	17.89	109.09	0.00	109.09	22.75	2.08	0.00	4.00	0.90	0.94	2.61	22.92	0.04	27.96	5.00
641	6.41	2.54	50.76	4.41	2.00	2.54	2.00	4.00	2.57	17.86	109.27	0.00	109.27	22.25	2.09	0.00	4.00	0.90	0.93	2.62	22.42	0.04	27.76	5.00
642	6.42	2.49	50.04	4.41	2.01	2.49	2.01	4.00	2.58	17.84	109.45	0.00	109.45	21.76	2.10	0.00	4.00	0.91	0.93	2.63	21.92	0.04	27.50	5.00
643	6.43	2.45	49.60	4.41	2.03	2.45	2.02	4.00	2.58	17.82	109.63	0.00	109.63	21.36	2.12	0.00	4.00	0.91	0.93	2.64	21.51	0.04	27.27	5.00
644	6.44	2.29	48.62	4.31	2.13	2.29	2.12	4.00	2.62	17.77	109.81	0.00	109.81	19.86	2.23	0.00	4.00	0.92	0.93	2.68	19.98	0.04	26.18	5.00
645	6.45	2.19	48.62	4.22	2.22	2.19	2.22	4.00	2.65	17.76	109.98	0.00	109.98	18.92	2.34	0.00	4.00	0.94	0.93	2.71	19.02	0.04	25.36	5.00
646	6.46	2.09	48.71	4.12	2.33	2.09	2.33	4.00	2.68	17.74	110.16	0.00	110.16	17.98	2.46	0.00	4.00	0.95	0.92	2.74	18.06	0.04	24.52	5.00
647	6.47	1.97	49.09	4.03	2.49	1.97	2.49	4.00	2.71	17.73	110.34	0.00	110.34	16.86	2.64	0.00	4.00	0.96	0.92	2.78	16.92	0.04	23.48	0.00
648	6.48	1.94	48.97	4.03	2.52	1.94	2.52	4.00	2.72	17.72	110.52	0.00	110.52	16.56	2.68	0.00	4.00	0.97	0.92	2.79	16.61	0.04	23.25	0.00
649	6.49	1.87	49.31	3.93	2.64	1.87	2.64	4.00	2.75	17.71	110.69	0.00	110.69	15.90	2.80	0.00	4.00	0.98	0.92	2.81	15.93	0.04	22.62	4.00
650	6.50	1.79	49.88	3.83	2.79	1.79	2.79	4.00	2.78	17.71	110.87	0.00	110.87	15.15	2.97	0.00	3.00	0.99	0.91	2.85	15.17	0.03	21.88	2.00
651	6.51	1.68	50.10	3.64	2.98	1.68	2.98	4.00	2.82	17.69	111.05	0.00	111.05	14.14	3.19	0.00	3.00	1.00	0.91	2.89	14.14	0.03	20.97	2.00
652	6.52	1.48	53.76	3.45	3.62	1.48	3.63	3.00	2.91	17.72	111.22	0.00	111.22	12.31	3.93	0.00	3.00	1.00	0.91	2.99	12.31	0.03	18.86	2.00
653	6.53	1.45	56.06	3.64	3.86	1.45	3.86	3.00	2.94	17.76	111.40	0.00	111.40	12.02	4.19	0.00	3.00	1.00	0.91	3.02	12.02	0.03	18.30	2.00
654	6.54	1.46	62.40	3.83	4.26	1.46	4.27	3.00	2.96	17.89	111.58	0.00	111.58	12.09	4.62	0.00	3.00	1.00	0.91	3.04	12.09	0.03	17.54	3.00
655	6.55	1.53	63.56	3.93	4.15	1.53	4.15	3.00	2.94	17.93	111.76	0.00	111.76	12.70	4.48	0.00	3.00	1.00	0.91	3.02	12.70	0.04	17.89	3.00
656	6.56	1.62	66.78	4.70	4.13	1.62	4.12	3.00	2.92	18.01	111.94	0.00	111.94	13.48	4.43	0.00	3.00	1.00	0.91	2.99	13.48	0.04	18.11	3.00
657	6.57	1.71	66.65	4.79	3.90	1.71	3.90	3.00	2.88	18.02	112.12	0.00	112.12	14.26	4.17	0.00	3.00	1.00	0.90	2.96	14.26	0.04	18.74	3.00
658	6.58	1.78	66.05	4.79	3.70	1.78	3.71	3.00	2.86	18.03	112.30	0.00	112.30	14.86	3.96	0.00	3.00	1.00	0.90	2.93	14.86	0.04	19.30	3.00
659	6.59	1.81	65.74	4.89	3.63	1.81	3.63	3.00	2.84	18.03	112.48	0.00	112.48	15.10	3.87	0.00	3.00	1.00	0.90	2.92	15.10	0.04	19.54	3.00
660	6.60	1.78	65.27	4.89	3.67	1.78	3.66	3.00	2.85	18.02	112.66	0.00	112.66	14.81	3.91	0.00	3.00	1.00	0.90	2.93	14.81	0.04	19.39	3.00
661	6.61	1.62	64.64	4.60	3.98	1.62	3.99	3.00	2.91	17.97	112.84	0.00	112.84	13.37	4.29	0.00	3.00	1.00	0.90	2.99	13.37	0.04	18.36	3.00
662	6.62	1.53	64.23	4.41	4.20	1.53	4.20	3.00	2.94	17.94	113.02	0.00	113.02	12.55	4.53	0.00	3.00	1.00	0.90	3.02	12.55	0.04	17.78	3.00
663	6.63	1.42	63.37	4.22	4.48	1.42	4.46	3.00	2.98	17.90	113.20	0.00	113.20	11.55	4.85	0.00	3.00	1.00	0.90	3.07	11.55	0.04	17.11	2.00
664	6.64	1.23	62.87	3.83	5.10	1.23	5.11	3.00	3.07	17.83	113.38	0.00	113.38	9.86	5.63	0.00	3.00	1.00	0.89	3.16	9.86	0.03	15.83	2.00
665	6.65	1.17	62.93	3.74	5.38	1.17	5.38	3.00	3.10	17.81	113.56	0.00	113.56	9.31	5.95	0.00	3.00	1.00	0.89	3.20	9.31	0.03	15.40	2.00
666	6.66	1.12	62.43	3.55	5.59	1.12	5.57	3.00	3.12	17.79	113.73	0.00	113.73	8.85	6.20	0.00	3.00	1.00	0.89	3.23	8.85	0.03	15.10	2.00
667	6.67	0.99	63.44	3.35	6.42	0.99	6.40	3.00	3.20	17.76	113.91	0.00	113.91	7.70	7.24	0.00	3.00	1.00	0.89	3.32	7.70	0.03	14.08	2.00
668	6.68	0.91	65.90	3.35	7.22	0.91	7.24	3.00	3.26	17.77	114.09	0.00	114.09	6.98	8.27	0.00	3.00	1.00	0.89	3.39	6.98	0.03	13.29	2.00
669	6.69	0.86	68.10	7.09	7.92	0.86	7.90	3.00	3.31	17.79	114.27	0.00	114.27	6.54	9.11	0.01	3.00	1.00	0.89	3.43	6.54	0.06	12.76	2.00
670	6.70	0.91	66.46	33.54	7.28	0.92	7.25	3.00	3.26	17.78	114.44	0.00	114.44	7.01	8.28	0.04	3.00	1.00	0.89	3.38	7.01	0.29	13.28	2.00
671	6.71	1.19	60.10	70.73	5.05	1.20	4.99	3.00	3.07	17.77	114.62	0.00	114.62	9.51	5.51	0.06	3.00	1.00	0.88	3.17	9.51	0.62	15.94	2.00
672	6.72	1.36	56.94	73.41	4.18	1.38	4.14	3.00	2.97	17.76	114.80	0.00	114.80	10.98	4.52	0.06	3.00	1.00	0.88	3.07	10.98	0.64	17.54	2.00
673	6.73	1.68	51.61	72.93	3.08	1.70	3.04	4.00	2.82	17.73	114.98	0.00	114.98	13.74	3.27	0.05	3.00	1.00	0.88	2.91	13.74	0.63	20.67	2.00
674	6.74	1.81	50.23	71.11	2.78	1.82	2.75	4.00	2.77	17.72	115.15	0.00	115.15	14.85	2.94	0.04	3.00	0.99	0.88	2.85	14.86	0.62	21.87	2.00
675	6.75	1.92	48.87	66.71	2.54	1.93	2.53	4.00	2.73	17.71	115.33	0.00	115.33	15.77	2.69	0.04	4.00	0.98	0.88	2.81	15.82	0.58	22.95	4.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
676	6.76	2.06	45.62	2.78	2.22	2.06	2.21	4.00	2.67	17.66	115.51	0.00	115.51	16.84	2.35	0.00	4.00	0.95	0.88	2.75	16.94	0.02	24.55	4.00
677	6.77	2.14	41.84	-0.10	1.96	2.14	1.96	4.00	2.62	17.57	115.68	0.00	115.68	17.50	2.07	0.00	4.00	0.94	0.88	2.70	17.65	0.00	25.97	4.00
678	6.78	2.25	39.89	-1.44	1.77	2.25	1.77	4.00	2.58	17.54	115.86	0.00	115.86	18.42	1.87	0.00	4.00	0.92	0.88	2.66	18.62	-0.01	27.31	4.00
679	6.79	2.44	38.84	-1.82	1.59	2.44	1.59	4.00	2.53	17.54	116.03	0.00	116.03	20.02	1.67	0.00	4.00	0.90	0.89	2.60	20.30	-0.02	29.16	4.00
680	6.80	2.52	39.79	-1.44	1.58	2.52	1.58	5.00	2.51	17.58	116.21	0.00	116.21	20.68	1.66	0.00	4.00	0.89	0.88	2.59	20.99	-0.01	29.58	4.00
681	6.81	2.91	43.42	0.58	1.49	2.91	1.49	5.00	2.45	17.74	116.39	0.00	116.39	24.00	1.55	0.00	5.00	0.87	0.89	2.52	24.45	0.00	31.90	4.00
682	6.82	3.12	43.89	0.67	1.40	3.12	1.41	5.00	2.41	17.77	116.57	0.00	116.57	25.77	1.46	0.00	5.00	0.85	0.89	2.47	26.31	0.01	33.48	6.00
683	6.83	3.41	47.23	0.96	1.39	3.41	1.38	5.00	2.37	17.89	116.74	0.00	116.74	28.21	1.43	0.00	5.00	0.84	0.89	2.44	28.88	0.01	34.89	7.00
684	6.84	3.50	49.00	1.15	1.40	3.50	1.40	5.00	2.37	17.95	116.92	0.00	116.92	28.94	1.45	0.00	5.00	0.83	0.89	2.43	29.64	0.01	35.10	7.00
685	6.85	3.58	50.38	1.34	1.41	3.58	1.41	5.00	2.36	17.99	117.10	0.00	117.10	29.57	1.45	0.00	5.00	0.83	0.89	2.42	30.31	0.01	35.33	7.00
686	6.86	3.70	52.56	1.53	1.42	3.70	1.42	5.00	2.35	18.05	117.28	0.00	117.28	30.55	1.47	0.00	5.00	0.83	0.89	2.41	31.33	0.01	35.64	7.00
687	6.87	3.73	53.29	1.73	1.43	3.73	1.43	5.00	2.35	18.07	117.46	0.00	117.46	30.76	1.47	0.00	5.00	0.83	0.88	2.41	31.56	0.01	35.66	7.00
688	6.88	3.73	53.70	1.73	1.44	3.73	1.44	5.00	2.35	18.07	117.65	0.00	117.65	30.71	1.49	0.00	5.00	0.83	0.88	2.41	31.51	0.01	35.53	7.00
689	6.89	3.70	54.11	1.82	1.46	3.70	1.46	5.00	2.36	18.08	117.83	0.00	117.83	30.41	1.51	0.00	5.00	0.83	0.88	2.42	31.19	0.02	35.17	7.00
690	6.90	3.66	53.92	1.82	1.47	3.66	1.47	5.00	2.36	18.07	118.01	0.00	118.01	30.02	1.52	0.00	5.00	0.83	0.88	2.43	30.79	0.02	34.90	7.00
691	6.91	3.66	53.92	1.82	1.47	3.66	1.47	5.00	2.36	18.07	118.19	0.00	118.19	29.97	1.52	0.00	5.00	0.83	0.88	2.43	30.75	0.02	34.89	7.00
692	6.92	3.66	53.92	1.82	1.47	3.66	1.47	5.00	2.36	18.07	118.37	0.00	118.37	29.92	1.52	0.00	5.00	0.83	0.88	2.43	30.71	0.02	34.87	7.00
693	6.93	3.20	50.67	1.92	1.58	3.20	1.58	5.00	2.43	17.95	118.55	0.00	118.55	26.00	1.64	0.00	5.00	0.86	0.87	2.50	26.57	0.02	32.17	7.00
694	6.94	2.86	51.68	1.63	1.81	2.86	1.81	5.00	2.50	17.93	118.73	0.00	118.73	23.09	1.89	0.00	4.00	0.89	0.87	2.58	23.50	0.01	29.31	5.00
695	6.95	2.66	52.56	1.44	1.98	2.66	1.98	4.00	2.55	17.92	118.91	0.00	118.91	21.37	2.07	0.00	4.00	0.91	0.86	2.63	21.68	0.01	27.59	5.00
696	6.96	2.26	54.80	0.96	2.43	2.26	2.42	4.00	2.66	17.91	119.09	0.00	119.09	17.98	2.56	0.00	4.00	0.96	0.86	2.75	18.11	0.01	24.16	5.00
697	6.97	2.07	55.90	0.77	2.70	2.07	2.70	4.00	2.72	17.90	119.26	0.00	119.26	16.36	2.87	0.00	4.00	0.98	0.85	2.81	16.41	0.01	22.57	5.00
698	6.98	1.90	56.91	0.48	3.00	1.90	3.00	4.00	2.78	17.88	119.44	0.00	119.44	14.91	3.20	0.00	3.00	1.00	0.85	2.87	14.91	0.00	21.17	3.00
699	6.99	1.61	60.57	0.10	3.76	1.61	3.76	3.00	2.89	17.89	119.62	0.00	119.62	12.46	4.06	0.00	3.00	1.00	0.85	3.00	12.46	0.00	18.62	2.00
700	7.00	1.51	62.81	-0.19	4.17	1.51	4.16	3.00	2.94	17.91	119.80	0.00	119.80	11.60	4.52	0.00	3.00	1.00	0.85	3.05	11.60	0.00	17.65	2.00
701	7.01	1.30	66.02	-0.58	5.07	1.30	5.08	3.00	3.05	17.91	119.98	0.00	119.98	9.83	5.60	0.00	3.00	1.00	0.84	3.16	9.83	0.00	15.86	2.00
702	7.02	1.25	67.00	-0.58	5.36	1.25	5.36	3.00	3.08	17.91	120.16	0.00	120.16	9.40	5.93	0.00	3.00	1.00	0.84	3.19	9.40	0.00	15.43	2.00
703	7.03	1.21	67.63	-0.67	5.58	1.21	5.59	3.00	3.10	17.91	120.34	0.00	120.34	9.05	6.21	0.00	3.00	1.00	0.84	3.22	9.05	-0.01	15.10	2.00
704	7.04	1.11	72.01	-0.67	6.51	1.11	6.49	3.00	3.17	17.95	120.52	0.00	120.52	8.21	7.28	0.00	3.00	1.00	0.84	3.30	8.21	-0.01	14.03	2.00
705	7.05	1.03	74.85	-0.77	7.26	1.03	7.27	3.00	3.22	17.96	120.70	0.00	120.70	7.53	8.23	0.00	3.00	1.00	0.84	3.36	7.53	-0.01	13.28	2.00
706	7.06	0.86	79.64	-0.96	9.26	0.86	9.26	3.00	3.35	17.97	120.88	0.00	120.88	6.11	10.78	0.00	2.00	1.00	0.84	3.50	6.11	-0.01	11.86	1.00
707	7.07	0.79	80.56	-0.58	10.26	0.79	10.20	2.00	3.41	17.95	121.06	0.00	121.06	5.52	12.05	0.00	2.00	1.00	0.84	3.57	5.52	0.00	11.37	1.00
708	7.08	0.74	80.65	0.19	10.94	0.74	10.90	2.00	3.45	17.92	121.24	0.00	121.24	5.10	13.03	0.00	2.00	1.00	0.84	3.62	5.10	0.00	11.06	1.00
709	7.09	0.68	78.82	6.33	11.53	0.68	11.57	2.00	3.49	17.86	121.41	0.00	121.41	4.61	14.08	0.01	2.00	1.00	0.83	3.67	4.61	0.05	10.83	1.00
710	7.10	0.67	77.72	17.35	11.64	0.67	11.54	2.00	3.50	17.84	121.59	0.00	121.59	4.54	14.08	0.03	2.00	1.00	0.83	3.68	4.54	0.14	10.86	1.00
711	7.11	0.66	76.11	29.04	11.59	0.67	11.43	2.00	3.50	17.82	121.77	0.00	121.77	4.47	13.98	0.05	2.00	1.00	0.83	3.68	4.47	0.24	10.92	1.00
712	7.12	0.66	70.31	42.65	10.62	0.67	10.51	2.00	3.47	17.73	121.95	0.00	121.95	4.49	12.85	0.08	2.00	1.00	0.83	3.66	4.49	0.35	11.35	1.00
713	7.13	0.68	67.38	45.81	9.93	0.69	9.77	2.00	3.44	17.69	122.13	0.00	122.13	4.65	11.87	0.08	2.00	1.00	0.83	3.62	4.65	0.38	11.70	1.00
714	7.14	0.70	64.51	48.69	9.22	0.71	9.08	3.00	3.41	17.65	122.30	0.00	122.30	4.81	10.97	0.08	2.00	1.00	0.83	3.59	4.81	0.40	12.06	1.00
715	7.15	0.75	57.95	53.96	7.75	0.76	7.61	3.00	3.34	17.55	122.48	0.00	122.48	5.22	9.07	0.08	2.00	1.00	0.83	3.51	5.22	0.44	12.97	2.00
716	7.16	0.77	55.33	55.11	7.20	0.78	7.08	3.00	3.31	17.51	122.65	0.00	122.65	5.37	8.40	0.08	2.00	1.00	0.83	3.48	5.37	0.45	13.35	2.00
717	7.17	0.80	51.77	58.27	6.46	0.81	6.37	3.00	3.27	17.45	122.83	0.00	122.83	5.61	7.51	0.08	3.00	1.00	0.82	3.43	5.61	0.47	13.92	2.00
718	7.18	0.84	49.31	58.65	5.88	0.85	5.79	3.00	3.23	17.41	123.00	0.00	123.00	5.93	6.76	0.08	3.00	1.00	0.82	3.39	5.93	0.48	14.47	2.00
719	7.19	0.91	45.91	59.13	5.03	0.92	4.98	3.00	3.16	17.36	123.17	0.00	123.17	6.49	5.74	0.07	3.00	1.00	0.82	3.31	6.49	0.48	15.37	2.00
720	7.20	0.91	45.02	59.42	4.93	0.92	4.88	3.00	3.15	17.34	123.35	0.00	123.35	6.48	5.63	0.07	3.00	1.00	0.82	3.31	6.48	0.48	15.47	2.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
721	7.21	0.91	43.51	60.48	4.79	0.92	4.72	3.00	3.14	17.30	123.52	0.00	123.52	6.47	5.44	0.08	3.00	1.00	0.82	3.30	6.47	0.49	15.65	2.00
722	7.22	0.96	42.06	63.54	4.38	0.97	4.32	3.00	3.10	17.28	123.69	0.00	123.69	6.87	4.95	0.07	3.00	1.00	0.82	3.26	6.87	0.51	16.22	2.00
723	7.23	1.00	41.40	64.21	4.12	1.01	4.08	3.00	3.07	17.28	123.87	0.00	123.87	7.18	4.65	0.07	3.00	1.00	0.82	3.22	7.18	0.52	16.61	2.00
724	7.24	1.20	40.58	65.65	3.38	1.21	3.34	3.00	2.96	17.32	124.04	0.00	124.04	8.79	3.72	0.06	3.00	1.00	0.82	3.10	8.79	0.53	18.29	2.00
725	7.25	1.35	42.41	66.51	3.14	1.36	3.11	3.00	2.90	17.42	124.21	0.00	124.21	9.98	3.42	0.05	3.00	1.00	0.82	3.03	9.98	0.54	19.19	2.00
726	7.26	1.73	46.76	68.14	2.71	1.74	2.68	4.00	2.78	17.62	124.39	0.00	124.39	13.02	2.89	0.04	3.00	1.00	0.81	2.89	13.02	0.55	21.40	2.00
727	7.27	1.93	45.34	68.53	2.35	1.94	2.33	4.00	2.70	17.63	124.57	0.00	124.57	14.61	2.49	0.04	4.00	0.98	0.82	2.81	14.66	0.55	23.15	4.00
728	7.28	2.32	42.09	38.34	1.81	2.33	1.81	4.00	2.57	17.61	124.74	0.00	124.74	17.66	1.91	0.02	4.00	0.93	0.82	2.68	17.92	0.31	26.78	4.00
729	7.29	2.47	40.71	17.83	1.65	2.47	1.65	4.00	2.53	17.60	124.92	0.00	124.92	18.80	1.73	0.01	4.00	0.91	0.83	2.63	19.15	0.14	28.25	4.00
730	7.30	2.56	38.94	10.16	1.52	2.56	1.52	5.00	2.50	17.56	125.09	0.00	125.09	19.48	1.60	0.00	4.00	0.90	0.83	2.60	19.89	0.08	29.37	4.00
731	7.31	2.64	36.70	5.37	1.39	2.64	1.39	5.00	2.46	17.50	125.27	0.00	125.27	20.08	1.46	0.00	4.00	0.89	0.83	2.56	20.57	0.04	30.57	4.00
732	7.32	2.69	34.18	1.82	1.27	2.69	1.27	5.00	2.44	17.43	125.44	0.00	125.44	20.45	1.33	0.00	5.00	0.88	0.83	2.53	20.99	0.01	31.63	4.00
733	7.33	2.70	33.86	1.05	1.25	2.70	1.25	5.00	2.43	17.42	125.62	0.00	125.62	20.50	1.32	0.00	5.00	0.88	0.83	2.53	21.05	0.01	31.79	4.00
734	7.34	2.72	34.18	0.96	1.25	2.72	1.26	5.00	2.43	17.43	125.79	0.00	125.79	20.62	1.32	0.00	5.00	0.88	0.83	2.53	21.19	0.01	31.85	4.00
735	7.35	2.73	34.59	1.05	1.26	2.73	1.27	5.00	2.43	17.45	125.97	0.00	125.97	20.67	1.33	0.00	5.00	0.88	0.83	2.53	21.24	0.01	31.81	4.00
736	7.36	2.75	35.03	1.25	1.27	2.75	1.27	5.00	2.43	17.47	126.14	0.00	126.14	20.80	1.33	0.00	5.00	0.88	0.83	2.53	21.38	0.01	31.84	4.00
737	7.37	2.78	36.10	1.63	1.30	2.78	1.30	5.00	2.43	17.51	126.32	0.00	126.32	21.01	1.36	0.00	5.00	0.88	0.82	2.53	21.59	0.01	31.79	4.00
738	7.38	2.79	37.24	1.73	1.34	2.79	1.33	5.00	2.44	17.54	126.49	0.00	126.49	21.06	1.40	0.00	5.00	0.88	0.82	2.53	21.64	0.01	31.56	4.00
739	7.39	2.77	38.72	1.82	1.40	2.77	1.40	5.00	2.45	17.58	126.67	0.00	126.67	20.87	1.46	0.00	4.00	0.88	0.82	2.55	21.42	0.01	30.99	4.00
740	7.40	2.71	38.88	1.92	1.43	2.71	1.43	5.00	2.46	17.58	126.84	0.00	126.84	20.37	1.50	0.00	4.00	0.89	0.82	2.56	20.88	0.02	30.45	4.00
741	7.41	2.66	38.88	1.92	1.46	2.66	1.46	5.00	2.47	17.57	127.02	0.00	127.02	19.94	1.53	0.00	4.00	0.89	0.82	2.58	20.43	0.02	30.02	4.00
742	7.42	2.47	39.16	2.11	1.58	2.47	1.59	5.00	2.52	17.55	127.19	0.00	127.19	18.42	1.67	0.00	4.00	0.91	0.81	2.63	18.79	0.02	28.39	4.00
743	7.43	2.33	40.04	2.01	1.72	2.33	1.72	4.00	2.56	17.56	127.37	0.00	127.37	17.30	1.82	0.00	4.00	0.93	0.81	2.67	17.57	0.02	27.05	4.00
744	7.44	2.03	41.93	1.73	2.06	2.03	2.07	4.00	2.66	17.56	127.55	0.00	127.55	14.92	2.20	0.00	4.00	0.97	0.80	2.78	15.02	0.01	24.27	4.00
745	7.45	1.90	42.53	1.53	2.24	1.90	2.24	4.00	2.70	17.55	127.72	0.00	127.72	13.88	2.40	0.00	4.00	0.99	0.80	2.82	13.91	0.01	23.13	4.00
746	7.46	1.63	44.99	1.05	2.75	1.63	2.76	4.00	2.81	17.55	127.90	0.00	127.90	11.75	2.99	0.00	3.00	1.00	0.79	2.94	11.75	0.01	20.68	2.00
747	7.47	1.53	47.55	0.96	3.11	1.53	3.11	3.00	2.86	17.59	128.07	0.00	128.07	10.95	3.39	0.00	3.00	1.00	0.79	3.00	10.95	0.01	19.55	2.00
748	7.48	1.43	52.78	1.05	3.69	1.43	3.69	3.00	2.93	17.69	128.25	0.00	128.25	10.15	4.05	0.00	3.00	1.00	0.79	3.07	10.15	0.01	18.13	2.00
749	7.49	1.42	55.71	1.25	3.94	1.42	3.92	3.00	2.95	17.75	128.43	0.00	128.43	10.06	4.31	0.00	3.00	1.00	0.79	3.09	10.06	0.01	17.69	2.00
750	7.50	1.42	58.87	1.82	4.14	1.42	4.14	3.00	2.96	17.81	128.60	0.00	128.60	10.04	4.56	0.00	3.00	1.00	0.79	3.10	10.04	0.01	17.31	2.00
751	7.51	1.43	66.31	2.30	4.65	1.43	4.64	3.00	2.99	17.95	128.78	0.00	128.78	10.11	5.09	0.00	3.00	1.00	0.79	3.13	10.11	0.02	16.55	2.00
752	7.52	1.46	69.11	2.97	4.72	1.46	4.73	3.00	2.99	18.01	128.96	0.00	128.96	10.33	5.19	0.00	3.00	1.00	0.79	3.13	10.33	0.02	16.45	2.00
753	7.53	1.55	70.31	3.74	4.52	1.55	4.53	3.00	2.96	18.05	129.14	0.00	129.14	11.01	4.95	0.00	3.00	1.00	0.78	3.09	11.01	0.03	16.88	2.00
754	7.54	1.85	69.87	6.42	3.78	1.85	3.77	3.00	2.85	18.11	129.33	0.00	129.33	13.32	4.06	0.00	3.00	1.00	0.78	2.97	13.32	0.05	18.80	3.00
755	7.55	2.05	68.07	6.80	3.32	2.05	3.32	4.00	2.78	18.12	129.51	0.00	129.51	14.84	3.54	0.00	3.00	1.00	0.78	2.90	14.84	0.05	20.27	3.00
756	7.56	2.28	66.69	7.00	2.93	2.28	2.92	4.00	2.71	18.14	129.69	0.00	129.69	16.59	3.10	0.00	4.00	0.99	0.78	2.83	16.63	0.05	21.91	3.00
757	7.57	2.59	66.43	6.23	2.56	2.59	2.56	4.00	2.63	18.18	129.87	0.00	129.87	18.95	2.70	0.00	4.00	0.96	0.79	2.74	19.15	0.05	23.96	5.00
758	7.58	2.69	65.36	5.85	2.43	2.69	2.43	4.00	2.60	18.18	130.05	0.00	130.05	19.69	2.55	0.00	4.00	0.95	0.79	2.71	19.95	0.04	24.77	5.00
759	7.59	2.81	63.94	5.56	2.28	2.81	2.27	4.00	2.57	18.17	130.23	0.00	130.23	20.59	2.38	0.00	4.00	0.93	0.79	2.68	20.93	0.04	25.79	5.00
760	7.60	2.84	62.02	5.56	2.18	2.84	2.18	4.00	2.55	18.14	130.42	0.00	130.42	20.79	2.29	0.00	4.00	0.93	0.79	2.66	21.16	0.04	26.31	5.00
761	7.61	2.82	60.41	5.65	2.14	2.82	2.14	4.00	2.55	18.10	130.60	0.00	130.60	20.60	2.25	0.00	4.00	0.93	0.79	2.66	20.98	0.04	26.45	5.00
762	7.62	2.77	57.16	5.65	2.07	2.77	2.06	4.00	2.55	18.03	130.78	0.00	130.78	20.19	2.16	0.00	4.00	0.93	0.79	2.66	20.57	0.04	26.69	5.00
763	7.63	2.76	57.04	5.65	2.07	2.76	2.07	4.00	2.55	18.03	130.96	0.00	130.96	20.08	2.17	0.00	4.00	0.93	0.79	2.66	20.46	0.04	26.63	5.00
764	7.64	2.83	57.98	5.75	2.05	2.83	2.05	4.00	2.54	18.06	131.14	0.00	131.14	20.59	2.15	0.00	4.00	0.92	0.79	2.65	21.00	0.04	26.93	5.00
765	7.65	2.87	58.08	5.75	2.03	2.87	2.02	4.00	2.53	18.06	131.32	0.00	131.32	20.86	2.12	0.00	4.00	0.92	0.79	2.64	21.29	0.04	27.18	5.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
766	7.66	2.91	58.01	5.85	1.99	2.91	1.99	4.00	2.52	18.07	131.50	0.00	131.50	21.14	2.09	0.00	4.00	0.92	0.79	2.63	21.60	0.04	27.46	5.00
767	7.67	2.92	57.45	5.85	1.97	2.92	1.97	4.00	2.52	18.06	131.68	0.00	131.68	21.18	2.06	0.00	4.00	0.92	0.79	2.63	21.65	0.04	27.62	5.00
768	7.68	2.91	55.90	5.85	1.92	2.91	1.92	4.00	2.51	18.03	131.86	0.00	131.86	21.08	2.01	0.00	4.00	0.91	0.79	2.62	21.56	0.04	27.84	5.00
769	7.69	2.92	55.37	5.85	1.90	2.92	1.90	4.00	2.51	18.02	132.04	0.00	132.04	21.12	1.99	0.00	4.00	0.91	0.79	2.62	21.61	0.04	28.00	5.00
770	7.70	2.92	54.67	5.85	1.87	2.92	1.87	4.00	2.50	18.00	132.22	0.00	132.22	21.09	1.96	0.00	4.00	0.91	0.78	2.62	21.59	0.04	28.13	4.00
771	7.71	2.93	53.57	5.94	1.83	2.93	1.83	5.00	2.50	17.98	132.40	0.00	132.40	21.14	1.91	0.00	4.00	0.91	0.78	2.61	21.66	0.04	28.40	4.00
772	7.72	2.94	53.76	5.85	1.83	2.94	1.83	5.00	2.49	17.98	132.58	0.00	132.58	21.18	1.91	0.00	4.00	0.91	0.78	2.61	21.71	0.04	28.42	4.00
773	7.73	2.95	54.77	5.94	1.86	2.95	1.86	5.00	2.50	18.01	132.76	0.00	132.76	21.23	1.94	0.00	4.00	0.91	0.78	2.61	21.75	0.04	28.28	4.00
774	7.74	2.98	55.90	5.94	1.88	2.98	1.88	5.00	2.50	18.04	132.94	0.00	132.94	21.43	1.96	0.00	4.00	0.91	0.78	2.61	21.95	0.04	28.26	5.00
775	7.75	3.00	56.53	5.94	1.89	3.00	1.88	5.00	2.50	18.05	133.12	0.00	133.12	21.55	1.97	0.00	4.00	0.91	0.78	2.61	22.08	0.04	28.26	5.00
776	7.76	3.03	56.66	6.04	1.87	3.03	1.87	5.00	2.49	18.06	133.30	0.00	133.30	21.74	1.96	0.00	4.00	0.91	0.78	2.60	22.29	0.05	28.43	5.00
777	7.77	3.03	56.60	6.04	1.87	3.03	1.87	5.00	2.49	18.06	133.48	0.00	133.48	21.71	1.95	0.00	4.00	0.91	0.78	2.61	22.26	0.05	28.43	5.00
778	7.78	3.01	56.91	6.04	1.89	3.01	1.89	5.00	2.50	18.06	133.66	0.00	133.66	21.53	1.98	0.00	4.00	0.91	0.78	2.61	22.07	0.05	28.22	5.00
779	7.79	2.99	57.13	6.04	1.91	2.99	1.91	5.00	2.50	18.06	133.84	0.00	133.84	21.35	2.00	0.00	4.00	0.91	0.78	2.62	21.87	0.05	28.02	5.00
780	7.80	2.97	57.35	6.04	1.93	2.97	1.93	4.00	2.51	18.06	134.02	0.00	134.02	21.17	2.02	0.00	4.00	0.92	0.77	2.62	21.67	0.05	27.83	5.00
781	7.81	2.92	57.45	5.94	1.97	2.92	1.97	4.00	2.52	18.06	134.20	0.00	134.20	20.77	2.06	0.00	4.00	0.92	0.77	2.64	21.24	0.04	27.45	5.00
782	7.82	2.90	57.29	5.94	1.98	2.90	1.97	4.00	2.52	18.05	134.38	0.00	134.38	20.59	2.07	0.00	4.00	0.92	0.77	2.64	21.05	0.04	27.33	0.00
783	7.83	2.86	56.85	5.94	1.99	2.86	1.99	4.00	2.53	18.04	134.56	0.00	134.56	20.26	2.08	0.00	4.00	0.93	0.77	2.65	20.70	0.04	27.13	0.00
784	7.84	2.75	56.38	5.85	2.05	2.75	2.05	4.00	2.55	18.01	134.74	0.00	134.74	19.42	2.15	0.00	4.00	0.93	0.77	2.67	19.78	0.04	26.44	4.00
785	7.85	2.65	56.56	5.75	2.13	2.65	2.13	4.00	2.57	18.00	134.93	0.00	134.93	18.65	2.25	0.00	4.00	0.94	0.76	2.70	18.95	0.04	25.71	4.00
786	7.86	2.39	56.09	5.46	2.34	2.39	2.35	4.00	2.63	17.95	135.10	0.00	135.10	16.70	2.49	0.00	4.00	0.97	0.76	2.76	16.84	0.04	23.99	4.00
787	7.87	2.24	55.37	5.18	2.47	2.24	2.47	4.00	2.67	17.91	135.28	0.00	135.28	15.57	2.63	0.00	4.00	0.99	0.75	2.81	15.63	0.04	23.07	4.00
788	7.88	1.98	55.49	4.89	2.81	1.98	2.80	4.00	2.74	17.87	135.46	0.00	135.46	13.62	3.01	0.00	3.00	1.00	0.75	2.89	13.62	0.04	21.29	2.00
789	7.89	1.86	56.60	4.60	3.05	1.86	3.04	4.00	2.79	17.87	135.64	0.00	135.64	12.72	3.28	0.00	3.00	1.00	0.75	2.93	12.72	0.03	20.33	2.00
790	7.90	1.86	56.60	4.60	3.05	1.86	3.04	4.00	2.79	17.87	135.82	0.00	135.82	12.70	3.28	0.00	3.00	1.00	0.75	2.93	12.70	0.03	20.33	2.00
791	7.91	1.86	56.60	4.60	3.05	1.86	3.04	4.00	2.79	17.87	136.00	0.00	136.00	12.68	3.28	0.00	3.00	1.00	0.75	2.94	12.68	0.03	20.32	2.00
792	7.92	1.48	56.85	3.64	3.83	1.48	3.84	3.00	2.93	17.79	136.18	0.00	136.18	9.87	4.23	0.00	3.00	1.00	0.74	3.09	9.87	0.03	17.78	2.00
793	7.93	1.38	59.81	3.35	4.34	1.38	4.33	3.00	2.98	17.82	136.35	0.00	136.35	9.13	4.81	0.00	3.00	1.00	0.74	3.15	9.13	0.02	16.80	2.00
794	7.94	1.21	65.58	3.16	5.41	1.21	5.42	3.00	3.09	17.87	136.53	0.00	136.53	7.87	6.11	0.00	3.00	1.00	0.74	3.26	7.87	0.02	15.14	2.00
795	7.95	1.15	67.92	3.35	5.89	1.15	5.90	3.00	3.13	17.89	136.71	0.00	136.71	7.42	6.70	0.00	3.00	1.00	0.74	3.31	7.42	0.02	14.55	2.00
796	7.96	1.11	68.92	3.64	6.23	1.11	6.20	3.00	3.16	17.90	136.89	0.00	136.89	7.11	7.08	0.00	3.00	1.00	0.74	3.34	7.11	0.03	14.22	2.00
797	7.97	1.08	68.55	3.74	6.32	1.08	6.34	3.00	3.17	17.88	137.07	0.00	137.07	6.88	7.26	0.00	3.00	1.00	0.74	3.36	6.88	0.03	14.07	2.00
798	7.98	1.07	66.62	3.93	6.24	1.07	6.22	3.00	3.17	17.84	137.25	0.00	137.25	6.80	7.14	0.00	3.00	1.00	0.74	3.35	6.80	0.03	14.17	2.00
799	7.99	1.07	65.55	4.03	6.11	1.07	6.12	3.00	3.16	17.83	137.43	0.00	137.43	6.79	7.02	0.00	3.00	1.00	0.74	3.35	6.79	0.03	14.27	2.00
800	8.00	1.07	64.38	4.12	6.00	1.07	6.01	3.00	3.16	17.80	137.60	0.00	137.60	6.78	6.90	0.00	3.00	1.00	0.74	3.35	6.78	0.03	14.37	2.00
801	8.01	1.06	62.27	4.31	5.89	1.06	5.87	3.00	3.16	17.76	137.78	0.00	137.78	6.70	6.75	0.00	3.00	1.00	0.74	3.34	6.70	0.03	14.50	2.00
802	8.02	1.06	61.39	4.50	5.78	1.06	5.79	3.00	3.15	17.75	137.96	0.00	137.96	6.69	6.65	0.00	3.00	1.00	0.73	3.34	6.69	0.03	14.58	2.00
803	8.03	1.10	58.80	4.98	5.34	1.10	5.34	3.00	3.12	17.71	138.14	0.00	138.14	6.97	6.11	0.01	3.00	1.00	0.73	3.30	6.97	0.04	15.08	2.00
804	8.04	1.14	57.07	5.27	4.99	1.14	5.00	3.00	3.09	17.69	138.31	0.00	138.31	7.25	5.69	0.01	3.00	1.00	0.73	3.27	7.25	0.04	15.50	2.00
805	8.05	1.23	55.37	5.75	4.49	1.23	4.50	3.00	3.03	17.69	138.49	0.00	138.49	7.89	5.07	0.01	3.00	1.00	0.73	3.21	7.89	0.04	16.27	2.00
806	8.06	1.60	53.92	7.19	3.37	1.60	3.37	3.00	2.87	17.76	138.67	0.00	138.67	10.55	3.69	0.00	3.00	1.00	0.73	3.03	10.55	0.05	18.87	2.00
807	8.07	1.87	53.95	7.86	2.88	1.87	2.88	4.00	2.77	17.82	138.85	0.00	138.85	12.48	3.11	0.00	3.00	1.00	0.73	2.93	12.48	0.06	20.65	2.00
808	8.08	2.14	50.51	8.34	2.36	2.14	2.36	4.00	2.67	17.79	139.02	0.00	139.02	14.41	2.52	0.00	4.00	0.99	0.73	2.82	14.43	0.06	22.96	4.00
809	8.09	2.76	43.61	9.01	1.58	2.76	1.58	5.00	2.48	17.72	139.20	0.00	139.20	18.84	1.66	0.00	4.00	0.92	0.75	2.62	19.35	0.06	28.73	4.00
810	8.10	3.00	42.00	9.01	1.40	3.00	1.40	5.00	2.42	17.71	139.38	0.00	139.38	20.54	1.47	0.00	4.00	0.89	0.75	2.55	21.26	0.06	30.89	4.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
811	8.11	3.31	42.69	9.20	1.29	3.31	1.29	5.00	2.37	17.77	139.56	0.00	139.56	22.73	1.35	0.00	5.00	0.87	0.76	2.49	23.71	0.07	33.08	6.00
812	8.12	3.40	43.07	9.30	1.27	3.40	1.27	5.00	2.35	17.79	139.73	0.00	139.73	23.35	1.32	0.00	5.00	0.86	0.76	2.48	24.40	0.07	33.65	6.00
813	8.13	3.48	43.29	9.20	1.25	3.48	1.24	5.00	2.34	17.80	139.91	0.00	139.91	23.89	1.30	0.00	5.00	0.86	0.76	2.46	25.01	0.07	34.19	6.00
814	8.14	3.59	43.23	9.30	1.20	3.59	1.20	5.00	2.32	17.81	140.09	0.00	140.09	24.64	1.25	0.00	5.00	0.85	0.76	2.44	25.87	0.07	35.03	6.00
815	8.15	3.63	43.35	9.30	1.19	3.63	1.19	5.00	2.31	17.82	140.27	0.00	140.27	24.89	1.24	0.00	5.00	0.85	0.76	2.44	26.15	0.07	35.28	6.00
816	8.16	3.60	43.29	9.20	1.20	3.60	1.20	5.00	2.32	17.81	140.45	0.00	140.45	24.65	1.25	0.00	5.00	0.85	0.76	2.44	25.88	0.07	35.05	6.00
817	8.17	3.49	43.83	9.10	1.25	3.49	1.26	5.00	2.34	17.82	140.62	0.00	140.62	23.83	1.31	0.00	5.00	0.86	0.75	2.47	24.96	0.06	34.06	6.00
818	8.18	3.10	47.89	8.63	1.54	3.10	1.54	5.00	2.43	17.87	140.80	0.00	140.80	21.03	1.62	0.00	4.00	0.90	0.74	2.57	21.75	0.06	30.19	4.00
819	8.19	2.86	49.03	8.34	1.72	2.86	1.71	5.00	2.49	17.87	140.98	0.00	140.98	19.30	1.80	0.00	4.00	0.92	0.74	2.63	19.81	0.06	28.20	4.00
820	8.20	2.58	50.79	8.05	1.97	2.58	1.97	4.00	2.56	17.87	141.16	0.00	141.16	17.29	2.08	0.00	4.00	0.95	0.73	2.71	17.58	0.06	25.87	4.00
821	8.21	2.07	56.38	7.48	2.72	2.07	2.72	4.00	2.72	17.91	141.34	0.00	141.34	13.66	2.92	0.00	3.00	1.00	0.72	2.88	13.66	0.05	21.53	2.00
822	8.22	1.87	59.40	7.09	3.17	1.87	3.17	4.00	2.80	17.93	141.52	0.00	141.52	12.22	3.43	0.00	3.00	1.00	0.72	2.96	12.22	0.05	19.85	2.00
823	8.23	1.58	68.51	6.71	4.33	1.58	4.33	3.00	2.94	18.03	141.70	0.00	141.70	10.16	4.76	0.00	3.00	1.00	0.72	3.11	10.16	0.05	17.03	2.00
824	8.24	1.55	70.41	6.71	4.53	1.55	4.54	3.00	2.96	18.05	141.88	0.00	141.88	9.93	5.00	0.00	3.00	1.00	0.71	3.13	9.93	0.05	16.66	2.00
825	8.25	1.52	72.52	6.71	4.78	1.52	4.77	3.00	2.98	18.08	142.06	0.00	142.06	9.71	5.26	0.00	3.00	1.00	0.71	3.15	9.71	0.05	16.28	2.00
826	8.26	1.36	80.91	6.13	5.96	1.36	5.94	3.00	3.08	18.16	142.24	0.00	142.24	8.57	6.64	0.01	3.00	1.00	0.71	3.26	8.57	0.04	14.64	2.00
827	8.27	1.30	83.65	5.65	6.45	1.30	6.43	3.00	3.11	18.18	142.42	0.00	142.42	8.14	7.22	0.00	3.00	1.00	0.71	3.30	8.14	0.04	14.09	2.00
828	8.28	1.16	87.97	5.27	7.59	1.16	7.58	3.00	3.20	18.20	142.61	0.00	142.61	7.14	8.64	0.01	3.00	1.00	0.71	3.39	7.14	0.04	13.02	2.00
829	8.29	1.12	89.07	5.46	7.94	1.12	7.94	3.00	3.22	18.20	142.79	0.00	142.79	6.85	9.10	0.01	3.00	1.00	0.71	3.42	6.85	0.04	12.73	2.00
830	8.30	1.08	88.88	9.97	8.20	1.08	8.21	3.00	3.24	18.18	142.97	0.00	142.97	6.57	9.46	0.01	2.00	1.00	0.71	3.44	6.57	0.07	12.54	2.00
831	8.31	1.08	88.09	12.08	8.13	1.08	8.14	3.00	3.24	18.17	143.15	0.00	143.15	6.56	9.38	0.01	2.00	1.00	0.71	3.44	6.56	0.08	12.59	2.00
832	8.32	1.08	86.39	12.75	7.97	1.08	7.98	3.00	3.23	18.15	143.33	0.00	143.33	6.55	9.20	0.01	2.00	1.00	0.71	3.44	6.55	0.09	12.71	2.00
833	8.33	1.11	82.14	13.42	7.43	1.11	7.38	3.00	3.20	18.10	143.51	0.00	143.51	6.75	8.47	0.01	3.00	1.00	0.71	3.40	6.75	0.09	13.17	2.00
834	8.34	1.13	79.05	13.61	7.01	1.13	6.98	3.00	3.18	18.06	143.69	0.00	143.69	6.88	7.99	0.01	3.00	1.00	0.71	3.38	6.88	0.09	13.51	2.00
835	8.35	1.16	72.71	13.80	6.24	1.16	6.25	3.00	3.14	17.98	143.87	0.00	143.87	7.08	7.14	0.01	3.00	1.00	0.70	3.34	7.08	0.10	14.17	2.00
836	8.36	1.17	70.12	13.90	5.97	1.17	5.98	3.00	3.13	17.94	144.05	0.00	144.05	7.14	6.82	0.01	3.00	1.00	0.70	3.33	7.14	0.10	14.44	2.00
837	8.37	1.18	67.79	13.90	5.74	1.18	5.73	3.00	3.11	17.90	144.23	0.00	144.23	7.20	6.53	0.01	3.00	1.00	0.70	3.31	7.20	0.10	14.70	2.00
838	8.38	1.19	64.29	14.09	5.42	1.19	5.39	3.00	3.09	17.84	144.41	0.00	144.41	7.26	6.13	0.01	3.00	1.00	0.70	3.29	7.26	0.10	15.07	2.00
839	8.39	1.20	63.28	14.09	5.29	1.20	5.26	3.00	3.08	17.83	144.59	0.00	144.59	7.32	5.98	0.01	3.00	1.00	0.70	3.28	7.32	0.10	15.22	2.00
840	8.40	1.24	62.05	14.47	5.01	1.24	4.99	3.00	3.06	17.82	144.77	0.00	144.77	7.59	5.65	0.01	3.00	1.00	0.70	3.26	7.59	0.10	15.58	2.00
841	8.41	1.29	61.26	14.86	4.74	1.29	4.74	3.00	3.03	17.82	144.95	0.00	144.95	7.92	5.34	0.01	3.00	1.00	0.70	3.23	7.92	0.10	15.96	2.00
842	8.42	1.35	60.82	15.43	4.50	1.35	4.49	3.00	3.00	17.83	145.12	0.00	145.12	8.32	5.03	0.01	3.00	1.00	0.70	3.19	8.32	0.11	16.37	2.00
843	8.43	1.53	59.02	16.29	3.86	1.53	3.85	3.00	2.92	17.84	145.30	0.00	145.30	9.55	4.25	0.01	3.00	1.00	0.70	3.10	9.55	0.11	17.68	2.00
844	8.44	1.55	58.01	16.48	3.73	1.55	3.73	3.00	2.90	17.83	145.48	0.00	145.48	9.68	4.12	0.01	3.00	1.00	0.70	3.09	9.68	0.11	17.91	2.00
845	8.45	1.47	54.29	16.20	3.70	1.47	3.68	3.00	2.92	17.73	145.66	0.00	145.66	9.12	4.09	0.01	3.00	1.00	0.70	3.11	9.12	0.11	17.82	2.00
846	8.46	1.47	51.87	16.01	3.53	1.47	3.52	3.00	2.91	17.68	145.83	0.00	145.83	9.10	3.91	0.01	3.00	1.00	0.69	3.10	9.10	0.11	18.10	2.00
847	8.47	1.48	52.47	15.62	3.53	1.48	3.54	3.00	2.90	17.69	146.01	0.00	146.01	9.16	3.92	0.01	3.00	1.00	0.69	3.10	9.16	0.11	18.09	2.00
848	8.48	1.45	53.51	15.53	3.70	1.45	3.68	3.00	2.92	17.71	146.19	0.00	146.19	8.94	4.09	0.01	3.00	1.00	0.69	3.11	8.94	0.11	17.77	2.00
849	8.49	1.41	54.20	15.43	3.84	1.41	3.84	3.00	2.94	17.71	146.37	0.00	146.37	8.66	4.28	0.01	3.00	1.00	0.69	3.14	8.66	0.11	17.43	2.00
850	8.50	1.33	54.67	15.14	4.11	1.33	4.10	3.00	2.98	17.70	146.54	0.00	146.54	8.10	4.61	0.01	3.00	1.00	0.69	3.18	8.10	0.10	16.87	2.00
851	8.51	1.28	54.67	15.05	4.27	1.28	4.26	3.00	3.00	17.69	146.72	0.00	146.72	7.75	4.81	0.01	3.00	1.00	0.69	3.21	7.75	0.10	16.54	2.00
852	8.52	1.23	54.64	14.95	4.43	1.23	4.43	3.00	3.03	17.67	146.90	0.00	146.90	7.39	5.03	0.01	3.00	1.00	0.69	3.23	7.39	0.10	16.23	2.00
853	8.53	1.17	53.54	14.95	4.56	1.17	4.56	3.00	3.05	17.63	147.07	0.00	147.07	6.98	5.22	0.01	3.00	1.00	0.69	3.26	6.98	0.10	15.95	2.00
854	8.54	1.16	52.62	15.05	4.52	1.16	4.52	3.00	3.05	17.60	147.25	0.00	147.25	6.90	5.18	0.01	3.00	1.00	0.69	3.27	6.90	0.10	15.98	2.00
855	8.55	1.16	50.35	15.14	4.34	1.16	4.33	3.00	3.04	17.55	147.42	0.00	147.42	6.89	4.96	0.01	3.00	1.00	0.69	3.25	6.89	0.10	16.22	2.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
856	8.56	1.16	49.03	15.14	4.23	1.16	4.22	3.00	3.04	17.52	147.60	0.00	147.60	6.88	4.83	0.01	3.00	1.00	0.69	3.25	6.88	0.10	16.35	2.00
857	8.57	1.16	47.99	15.24	4.14	1.16	4.13	3.00	3.03	17.50	147.77	0.00	147.77	6.87	4.73	0.02	3.00	1.00	0.69	3.24	6.87	0.10	16.46	2.00
858	8.58	1.15	46.76	15.14	4.07	1.15	4.05	3.00	3.03	17.47	147.95	0.00	147.95	6.79	4.65	0.02	3.00	1.00	0.68	3.24	6.79	0.10	16.53	2.00
859	8.59	1.12	45.28	15.14	4.04	1.12	4.03	3.00	3.04	17.42	148.12	0.00	148.12	6.58	4.64	0.02	3.00	1.00	0.68	3.25	6.58	0.10	16.49	2.00
860	8.60	1.08	41.27	15.14	3.83	1.08	3.81	3.00	3.03	17.30	148.30	0.00	148.30	6.30	4.41	0.02	3.00	1.00	0.68	3.26	6.30	0.10	16.67	2.00
861	8.61	1.07	40.20	15.05	3.74	1.07	3.75	3.00	3.03	17.26	148.47	0.00	148.47	6.23	4.35	0.02	3.00	1.00	0.68	3.26	6.23	0.10	16.72	2.00
862	8.62	1.07	40.17	15.14	3.76	1.07	3.74	3.00	3.03	17.26	148.64	0.00	148.64	6.22	4.34	0.02	3.00	1.00	0.68	3.26	6.22	0.10	16.72	2.00
863	8.63	1.05	41.62	15.24	3.96	1.05	3.95	3.00	3.05	17.30	148.81	0.00	148.81	6.08	4.60	0.02	3.00	1.00	0.68	3.28	6.08	0.10	16.41	2.00
864	8.64	1.05	43.10	15.24	4.10	1.05	4.09	3.00	3.06	17.34	148.99	0.00	148.99	6.07	4.77	0.02	3.00	1.00	0.68	3.29	6.07	0.10	16.24	2.00
865	8.65	0.99	43.51	14.95	4.38	0.99	4.38	3.00	3.10	17.33	149.16	0.00	149.16	5.66	5.16	0.02	3.00	1.00	0.68	3.33	5.66	0.10	15.79	2.00
866	8.66	0.95	42.41	14.76	4.49	0.95	4.45	3.00	3.12	17.28	149.33	0.00	149.33	5.38	5.28	0.02	3.00	1.00	0.68	3.36	5.38	0.10	15.63	2.00
867	8.67	0.82	38.84	14.57	4.72	0.82	4.72	3.00	3.18	17.12	149.51	0.00	149.51	4.51	5.77	0.02	3.00	1.00	0.68	3.44	4.51	0.10	15.11	2.00
868	8.68	0.76	35.69	14.47	4.67	0.76	4.68	3.00	3.21	17.00	149.68	0.00	149.68	4.10	5.82	0.02	3.00	1.00	0.68	3.48	4.10	0.10	15.02	2.00
869	8.69	0.73	32.35	14.66	4.45	0.73	4.41	3.00	3.21	16.87	149.84	0.00	149.84	3.89	5.55	0.03	3.00	1.00	0.68	3.49	3.89	0.10	15.17	2.00
870	8.70	0.72	28.79	15.53	3.99	0.72	3.98	3.00	3.19	16.73	150.01	0.00	150.01	3.82	5.02	0.03	3.00	1.00	0.68	3.47	3.82	0.10	15.50	2.00
871	8.71	0.74	28.00	16.96	3.80	0.74	3.77	3.00	3.16	16.71	150.18	0.00	150.18	3.95	4.72	0.03	3.00	1.00	0.67	3.44	3.95	0.11	15.74	2.00
872	8.72	0.77	26.89	18.40	3.47	0.77	3.47	3.00	3.13	16.68	150.35	0.00	150.35	4.15	4.31	0.03	3.00	1.00	0.67	3.40	4.15	0.12	16.10	2.00
873	8.73	1.21	24.59	27.99	2.03	1.22	2.02	4.00	2.84	16.75	150.51	0.00	150.51	7.08	2.31	0.03	3.00	1.00	0.67	3.06	7.08	0.19	19.78	2.00
874	8.74	1.67	25.26	33.35	1.51	1.68	1.51	4.00	2.65	16.90	150.68	0.00	150.68	10.13	1.65	0.02	4.00	1.00	0.67	2.85	10.13	0.22	23.20	4.00
875	8.75	2.87	26.96	41.79	0.94	2.88	0.94	5.00	2.34	17.18	150.85	0.00	150.85	18.08	0.99	0.02	5.00	0.88	0.70	2.51	18.97	0.28	32.64	6.00
876	8.76	3.41	27.78	42.36	0.81	3.42	0.81	5.00	2.25	17.28	151.03	0.00	151.03	21.64	0.85	0.01	5.00	0.84	0.72	2.40	23.07	0.28	36.90	6.00
877	8.77	3.94	27.05	41.12	0.69	3.95	0.69	5.00	2.16	17.31	151.20	0.00	151.20	25.12	0.71	0.01	5.00	0.80	0.73	2.30	27.19	0.27	41.62	6.00
878	8.78	4.06	27.94	40.35	0.69	4.07	0.69	5.00	2.14	17.36	151.37	0.00	151.37	25.88	0.71	0.01	5.00	0.80	0.73	2.29	28.08	0.27	42.29	6.00
879	8.79	4.15	30.99	37.47	0.75	4.16	0.75	5.00	2.15	17.48	151.55	0.00	151.55	26.44	0.77	0.01	5.00	0.80	0.72	2.30	28.65	0.25	41.94	6.00
880	8.80	4.37	33.39	12.56	0.76	4.37	0.76	5.00	2.14	17.59	151.72	0.00	151.72	27.82	0.79	0.00	5.00	0.79	0.73	2.28	30.23	0.08	42.83	6.00
881	8.81	4.58	33.42	12.36	0.73	4.58	0.73	5.00	2.11	17.61	151.90	0.00	151.90	29.17	0.75	0.00	5.00	0.78	0.73	2.25	31.84	0.08	44.51	6.00
882	8.82	5.14	32.95	11.50	0.64	5.14	0.64	6.00	2.04	17.64	152.08	0.00	152.08	32.81	0.66	0.00	5.00	0.75	0.74	2.18	36.26	0.08	49.25	6.00
883	8.83	5.45	33.96	11.69	0.62	5.45	0.62	6.00	2.01	17.69	152.25	0.00	152.25	34.81	0.64	0.00	5.00	0.74	0.74	2.14	38.66	0.08	51.35	6.00
884	8.84	6.00	36.86	12.17	0.61	6.00	0.61	6.00	1.97	17.82	152.43	0.00	152.43	38.38	0.63	0.00	5.00	0.73	0.74	2.10	42.93	0.08	54.54	6.00
885	8.85	6.15	38.06	12.46	0.62	6.15	0.62	6.00	1.97	17.87	152.61	0.00	152.61	39.32	0.63	0.00	5.00	0.72	0.74	2.09	44.04	0.08	55.18	6.00
886	8.86	6.30	42.94	12.84	0.68	6.30	0.68	6.00	1.98	18.02	152.79	0.00	152.79	40.25	0.70	0.00	5.00	0.73	0.74	2.11	45.02	0.08	54.24	6.00
887	8.87	6.30	46.54	13.03	0.74	6.30	0.74	6.00	2.00	18.11	152.97	0.00	152.97	40.20	0.76	0.00	5.00	0.74	0.74	2.12	44.84	0.09	52.76	7.00
888	8.88	6.16	52.78	13.13	0.86	6.16	0.86	6.00	2.04	18.25	153.15	0.00	153.15	39.24	0.88	0.00	5.00	0.75	0.73	2.17	43.46	0.09	49.42	7.00
889	8.89	6.05	56.15	13.13	0.93	6.05	0.93	5.00	2.07	18.31	153.34	0.00	153.34	38.47	0.95	0.00	5.00	0.76	0.73	2.20	42.44	0.09	47.50	7.00
890	8.90	6.05	56.15	13.13	0.93	6.05	0.93	5.00	2.07	18.31	153.52	0.00	153.52	38.43	0.95	0.00	5.00	0.76	0.73	2.20	42.40	0.09	47.48	7.00
891	8.91	6.05	56.15	13.13	0.93	6.05	0.93	5.00	2.07	18.31	153.70	0.00	153.70	38.38	0.95	0.00	5.00	0.76	0.73	2.20	42.35	0.09	47.46	7.00
892	8.92	5.25	41.90	13.71	0.80	5.25	0.80	5.00	2.08	17.92	153.88	0.00	153.88	33.14	0.82	0.00	5.00	0.77	0.72	2.22	36.45	0.09	46.47	6.00
893	8.93	5.10	42.16	13.51	0.83	5.10	0.83	5.00	2.10	17.92	154.06	0.00	154.06	32.12	0.85	0.00	5.00	0.78	0.72	2.24	35.23	0.09	45.22	6.00
894	8.94	4.92	42.47	13.42	0.86	4.92	0.86	5.00	2.13	17.91	154.24	0.00	154.24	30.92	0.89	0.00	5.00	0.79	0.72	2.27	33.77	0.09	43.74	6.00
895	8.95	4.59	43.61	13.13	0.95	4.59	0.95	5.00	2.17	17.92	154.42	0.00	154.42	28.74	0.98	0.00	5.00	0.81	0.71	2.32	31.14	0.09	40.90	6.00
896	8.96	4.43	44.46	12.94	1.00	4.43	1.00	5.00	2.20	17.92	154.60	0.00	154.60	27.67	1.04	0.00	5.00	0.82	0.71	2.35	29.85	0.08	39.45	6.00
897	8.97	4.14	45.75	12.75	1.10	4.14	1.10	5.00	2.25	17.93	154.78	0.00	154.78	25.77	1.15	0.00	5.00	0.84	0.70	2.40	27.56	0.08	36.96	6.00
898	8.98	4.02	46.19	12.56	1.15	4.02	1.15	5.00	2.27	17.93	154.96	0.00	154.96	24.96	1.19	0.00	5.00	0.85	0.70	2.42	26.61	0.08	35.97	6.00
899	8.99	3.79	46.88	12.36	1.24	3.79	1.24	5.00	2.31	17.92	155.14	0.00	155.14	23.45	1.29	0.00	5.00	0.87	0.69	2.46	24.82	0.08	34.14	6.00
900	9.00	3.71	46.07	12.27	1.24	3.71	1.24	5.00	2.31	17.90	155.32	0.00	155.32	22.90	1.30	0.00	5.00	0.87	0.69	2.48	24.21	0.08	33.75	6.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
901	9.01	3.56	43.01	12.08	1.21	3.56	1.21	5.00	2.32	17.80	155.49	0.00	155.49	21.91	1.26	0.00	5.00	0.87	0.69	2.49	23.12	0.08	33.39	6.00
902	9.02	3.49	42.38	12.08	1.22	3.49	1.21	5.00	2.33	17.78	155.67	0.00	155.67	21.44	1.27	0.00	5.00	0.88	0.69	2.50	22.59	0.08	33.02	6.00
903	9.03	3.43	42.12	11.98	1.23	3.43	1.23	5.00	2.34	17.76	155.85	0.00	155.85	21.02	1.29	0.00	5.00	0.88	0.68	2.51	22.12	0.08	32.63	6.00
904	9.04	3.34	42.06	11.88	1.26	3.34	1.26	5.00	2.36	17.75	156.03	0.00	156.03	20.42	1.32	0.00	5.00	0.89	0.68	2.52	21.42	0.08	31.97	4.00
905	9.05	3.29	42.22	11.79	1.28	3.29	1.28	5.00	2.37	17.75	156.20	0.00	156.20	20.08	1.35	0.00	5.00	0.89	0.68	2.54	21.02	0.08	31.56	4.00
906	9.06	3.22	42.72	11.69	1.33	3.22	1.33	5.00	2.38	17.76	156.38	0.00	156.38	19.61	1.39	0.00	4.00	0.90	0.68	2.55	20.47	0.07	30.93	4.00
907	9.07	3.20	42.72	11.69	1.34	3.20	1.33	5.00	2.39	17.75	156.56	0.00	156.56	19.46	1.40	0.00	4.00	0.90	0.68	2.56	20.30	0.07	30.77	4.00
908	9.08	3.17	42.03	11.69	1.32	3.17	1.32	5.00	2.39	17.73	156.74	0.00	156.74	19.24	1.39	0.00	4.00	0.90	0.67	2.56	20.07	0.07	30.69	4.00
909	9.09	3.18	41.62	11.69	1.31	3.18	1.31	5.00	2.38	17.72	156.91	0.00	156.91	19.28	1.38	0.00	4.00	0.90	0.67	2.56	20.13	0.07	30.84	4.00
910	9.10	3.19	40.99	11.79	1.28	3.19	1.28	5.00	2.38	17.70	157.09	0.00	157.09	19.32	1.35	0.00	4.00	0.90	0.67	2.55	20.19	0.08	31.04	4.00
911	9.11	3.27	39.98	11.88	1.22	3.27	1.22	5.00	2.36	17.69	157.27	0.00	157.27	19.81	1.28	0.00	5.00	0.89	0.68	2.53	20.77	0.08	31.84	4.00
912	9.12	3.33	39.60	11.88	1.19	3.33	1.19	5.00	2.34	17.68	157.44	0.00	157.44	20.17	1.25	0.00	5.00	0.89	0.68	2.52	21.20	0.08	32.35	6.00
913	9.13	3.41	39.41	11.98	1.15	3.41	1.15	5.00	2.33	17.68	157.62	0.00	157.62	20.65	1.21	0.00	5.00	0.88	0.68	2.50	21.77	0.08	32.97	6.00
914	9.14	3.61	39.35	12.27	1.09	3.61	1.09	5.00	2.29	17.70	157.80	0.00	157.80	21.89	1.14	0.00	5.00	0.87	0.68	2.46	23.23	0.08	34.45	6.00
915	9.15	3.73	39.76	12.36	1.07	3.73	1.07	5.00	2.28	17.73	157.98	0.00	157.98	22.63	1.11	0.00	5.00	0.86	0.68	2.44	24.09	0.08	35.22	6.00
916	9.16	3.98	42.00	12.65	1.05	3.98	1.05	5.00	2.25	17.82	158.15	0.00	158.15	24.18	1.10	0.00	5.00	0.85	0.69	2.41	25.88	0.08	36.45	6.00
917	9.17	4.11	43.89	12.84	1.07	4.11	1.07	5.00	2.24	17.88	158.33	0.00	158.33	24.98	1.11	0.00	5.00	0.84	0.69	2.40	26.78	0.08	36.88	6.00
918	9.18	4.35	47.55	12.94	1.09	4.35	1.09	5.00	2.23	17.99	158.51	0.00	158.51	26.46	1.13	0.00	5.00	0.84	0.69	2.38	28.46	0.08	37.61	6.00
919	9.19	4.46	49.03	13.13	1.10	4.46	1.10	5.00	2.22	18.04	158.69	0.00	158.69	27.12	1.14	0.00	5.00	0.83	0.69	2.38	29.21	0.08	37.97	6.00
920	9.20	4.58	50.29	13.13	1.10	4.58	1.10	5.00	2.21	18.08	158.87	0.00	158.87	27.85	1.14	0.00	5.00	0.83	0.69	2.37	30.06	0.08	38.46	6.00
921	9.21	4.76	54.52	13.32	1.14	4.76	1.14	5.00	2.21	18.19	159.06	0.00	159.06	28.94	1.18	0.00	5.00	0.83	0.69	2.36	31.28	0.08	38.56	6.00
922	9.22	4.83	56.85	13.32	1.18	4.83	1.18	5.00	2.21	18.24	159.24	0.00	159.24	29.35	1.22	0.00	5.00	0.83	0.69	2.36	31.71	0.08	38.42	6.00
923	9.23	4.87	58.58	13.32	1.20	4.87	1.20	5.00	2.21	18.28	159.42	0.00	159.42	29.57	1.24	0.00	5.00	0.83	0.69	2.36	31.93	0.08	38.23	7.00
924	9.24	4.89	60.88	13.42	1.24	4.89	1.24	5.00	2.22	18.32	159.60	0.00	159.60	29.66	1.29	0.00	5.00	0.83	0.68	2.37	31.99	0.08	37.78	7.00
925	9.25	4.87	62.05	13.32	1.27	4.87	1.27	5.00	2.23	18.34	159.79	0.00	159.79	29.50	1.32	0.00	5.00	0.84	0.68	2.38	31.78	0.08	37.36	7.00
926	9.26	4.79	63.88	13.32	1.33	4.79	1.33	5.00	2.24	18.37	159.97	0.00	159.97	28.96	1.38	0.00	5.00	0.84	0.68	2.40	31.10	0.08	36.41	7.00
927	9.27	4.76	64.32	13.32	1.35	4.76	1.35	5.00	2.25	18.38	160.16	0.00	160.16	28.74	1.40	0.00	5.00	0.85	0.68	2.41	30.83	0.08	36.11	7.00
928	9.28	4.69	64.29	13.23	1.37	4.69	1.37	5.00	2.26	18.37	160.34	0.00	160.34	28.27	1.42	0.00	5.00	0.85	0.68	2.42	30.28	0.08	35.66	7.00
929	9.29	4.68	63.44	13.32	1.36	4.68	1.35	5.00	2.26	18.35	160.52	0.00	160.52	28.17	1.40	0.00	5.00	0.85	0.68	2.41	30.19	0.08	35.77	7.00
930	9.30	4.68	60.51	13.32	1.29	4.68	1.29	5.00	2.24	18.30	160.71	0.00	160.71	28.14	1.34	0.00	5.00	0.85	0.68	2.40	30.22	0.08	36.42	7.00
931	9.31	4.69	58.49	13.32	1.25	4.69	1.25	5.00	2.23	18.26	160.89	0.00	160.89	28.17	1.29	0.00	5.00	0.84	0.68	2.39	30.31	0.08	36.94	6.00
932	9.32	4.69	56.50	13.32	1.20	4.69	1.20	5.00	2.22	18.22	161.07	0.00	161.07	28.14	1.25	0.00	5.00	0.84	0.68	2.38	30.32	0.08	37.40	6.00
933	9.33	4.69	53.32	13.42	1.14	4.69	1.14	5.00	2.21	18.15	161.25	0.00	161.25	28.10	1.18	0.00	5.00	0.83	0.68	2.37	30.38	0.08	38.18	6.00
934	9.34	4.69	52.21	13.32	1.11	4.69	1.11	5.00	2.20	18.13	161.43	0.00	161.43	28.07	1.15	0.00	5.00	0.83	0.68	2.36	30.37	0.08	38.45	6.00
935	9.35	4.65	49.79	13.42	1.07	4.65	1.07	5.00	2.20	18.07	161.61	0.00	161.61	27.79	1.11	0.00	5.00	0.83	0.68	2.36	30.10	0.08	38.80	6.00
936	9.36	4.64	48.68	13.42	1.05	4.64	1.05	5.00	2.19	18.05	161.79	0.00	161.79	27.70	1.09	0.00	5.00	0.83	0.68	2.36	30.03	0.08	39.01	6.00
937	9.37	4.63	47.70	13.42	1.03	4.63	1.03	5.00	2.19	18.02	161.97	0.00	161.97	27.60	1.07	0.00	5.00	0.83	0.68	2.35	29.95	0.08	39.18	6.00
938	9.38	4.52	48.11	13.32	1.06	4.52	1.06	5.00	2.21	18.02	162.15	0.00	162.15	26.89	1.10	0.00	5.00	0.83	0.68	2.37	29.09	0.08	38.29	6.00
939	9.39	4.47	48.59	13.32	1.09	4.47	1.09	5.00	2.22	18.03	162.33	0.00	162.33	26.55	1.13	0.00	5.00	0.84	0.67	2.38	28.67	0.08	37.79	6.00
940	9.40	4.33	50.38	13.23	1.16	4.33	1.16	5.00	2.24	18.06	162.52	0.00	162.52	25.66	1.21	0.00	5.00	0.85	0.67	2.41	27.55	0.08	36.36	6.00
941	9.41	4.24	51.20	13.13	1.21	4.24	1.21	5.00	2.26	18.07	162.70	0.00	162.70	25.08	1.25	0.00	5.00	0.86	0.67	2.43	26.84	0.08	35.53	6.00
942	9.42	4.14	52.43	13.13	1.27	4.14	1.27	5.00	2.28	18.09	162.88	0.00	162.88	24.43	1.32	0.00	5.00	0.87	0.66	2.45	26.05	0.08	34.56	6.00
943	9.43	3.95	54.20	12.94	1.37	3.95	1.37	5.00	2.32	18.11	163.06	0.00	163.06	23.24	1.43	0.00	5.00	0.88	0.66	2.49	24.60	0.08	32.89	6.00
944	9.44	3.86	55.24	12.84	1.43	3.86	1.43	5.00	2.34	18.12	163.24	0.00	163.24	22.66	1.49	0.00	5.00	0.89	0.65	2.51	23.90	0.08	32.07	6.00
945	9.45	3.78	55.27	12.84	1.46	3.78	1.46	5.00	2.35	18.11	163.42	0.00	163.42	22.15	1.53	0.00	5.00	0.89	0.65	2.53	23.29	0.08	31.54	4.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
946	9.46	3.60	55.30	12.56	1.53	3.60	1.53	5.00	2.38	18.10	163.60	0.00	163.60	21.02	1.61	0.00	4.00	0.91	0.65	2.56	21.98	0.08	30.36	4.00
947	9.47	3.51	54.74	12.56	1.56	3.51	1.56	5.00	2.39	18.07	163.78	0.00	163.78	20.45	1.63	0.00	4.00	0.91	0.65	2.58	21.32	0.08	29.87	4.00
948	9.48	3.27	53.66	12.27	1.64	3.27	1.64	5.00	2.43	18.02	163.96	0.00	163.96	18.96	1.73	0.00	4.00	0.93	0.64	2.62	19.61	0.07	28.51	4.00
949	9.49	3.12	53.51	12.08	1.72	3.12	1.71	5.00	2.46	18.00	164.14	0.00	164.14	18.02	1.81	0.00	4.00	0.94	0.63	2.65	18.54	0.07	27.57	4.00
950	9.50	2.80	53.98	11.50	1.93	2.80	1.93	4.00	2.53	17.97	164.32	0.00	164.32	16.05	2.05	0.00	4.00	0.97	0.63	2.73	16.28	0.07	25.44	4.00
951	9.51	2.63	54.58	11.31	2.08	2.63	2.07	4.00	2.57	17.96	164.50	0.00	164.50	15.00	2.21	0.00	4.00	0.99	0.62	2.77	15.09	0.07	24.27	4.00
952	9.52	2.33	56.63	10.83	2.43	2.33	2.43	4.00	2.65	17.96	164.68	0.00	164.68	13.16	2.61	0.01	4.00	1.00	0.62	2.86	13.16	0.07	22.19	4.00
953	9.53	2.23	58.14	10.73	2.61	2.23	2.60	4.00	2.68	17.97	164.86	0.00	164.86	12.54	2.81	0.01	3.00	1.00	0.61	2.90	12.54	0.07	21.41	2.00
954	9.54	2.14	60.51	10.73	2.83	2.14	2.82	4.00	2.72	18.00	165.04	0.00	165.04	11.98	3.06	0.01	3.00	1.00	0.61	2.94	11.98	0.07	20.61	2.00
955	9.55	1.99	68.74	10.73	3.46	1.99	3.45	4.00	2.80	18.12	165.22	0.00	165.22	11.06	3.76	0.01	3.00	1.00	0.61	3.02	11.06	0.06	18.87	2.00
956	9.56	1.89	75.07	10.73	3.97	1.89	3.97	3.00	2.85	18.20	165.40	0.00	165.40	10.44	4.35	0.01	3.00	1.00	0.61	3.08	10.44	0.06	17.71	2.00
957	9.57	1.99	82.48	12.27	4.14	1.99	4.14	3.00	2.85	18.33	165.59	0.00	165.59	11.03	4.51	0.01	3.00	1.00	0.61	3.07	11.03	0.07	17.56	2.00
958	9.58	2.34	83.11	13.32	3.55	2.34	3.55	4.00	2.75	18.40	165.77	0.00	165.77	13.13	3.82	0.01	3.00	1.00	0.61	2.96	13.13	0.08	19.26	2.00
959	9.59	2.81	83.71	14.18	2.98	2.81	2.98	4.00	2.64	18.48	165.96	0.00	165.96	15.95	3.16	0.01	3.00	1.00	0.61	2.85	15.95	0.09	21.55	3.00
960	9.60	3.85	86.90	15.53	2.26	3.85	2.26	5.00	2.46	18.64	166.14	0.00	166.14	22.19	2.36	0.00	4.00	0.94	0.63	2.64	22.87	0.09	26.53	5.00
961	9.61	4.50	89.10	16.10	1.98	4.50	1.98	5.00	2.37	18.73	166.33	0.00	166.33	26.07	2.05	0.00	4.00	0.90	0.64	2.55	27.37	0.10	29.60	5.00
962	9.62	5.77	88.16	17.16	1.53	5.77	1.53	5.00	2.22	18.81	166.52	0.00	166.52	33.67	1.57	0.00	5.00	0.84	0.66	2.38	36.50	0.10	36.50	7.00
963	9.63	6.26	85.48	17.44	1.36	6.26	1.36	5.00	2.16	18.81	166.71	0.00	166.71	36.57	1.40	0.00	5.00	0.81	0.67	2.31	40.13	0.10	39.70	7.00
964	9.64	6.95	77.03	17.83	1.11	6.95	1.11	5.00	2.07	18.73	166.89	0.00	166.89	40.67	1.13	0.00	5.00	0.78	0.68	2.22	45.46	0.11	45.61	7.00
965	9.65	7.09	74.44	17.92	1.05	7.09	1.05	6.00	2.04	18.70	167.08	0.00	167.08	41.46	1.07	0.00	5.00	0.77	0.68	2.19	46.55	0.11	47.11	7.00
966	9.66	7.15	72.30	17.83	1.01	7.15	1.01	6.00	2.03	18.67	167.27	0.00	167.27	41.77	1.03	0.00	5.00	0.76	0.68	2.18	47.02	0.11	48.06	7.00
967	9.67	7.14	67.95	17.73	0.95	7.14	0.95	6.00	2.02	18.59	167.45	0.00	167.45	41.66	0.97	0.00	5.00	0.76	0.68	2.17	47.05	0.11	49.25	7.00
968	9.68	7.11	66.31	17.63	0.93	7.11	0.93	6.00	2.01	18.57	167.64	0.00	167.64	41.43	0.95	0.00	5.00	0.76	0.68	2.16	46.83	0.11	49.54	7.00
969	9.69	6.97	62.93	17.54	0.90	6.97	0.90	6.00	2.01	18.50	167.82	0.00	167.82	40.55	0.92	0.00	5.00	0.76	0.68	2.16	45.85	0.10	49.69	7.00
970	9.70	6.86	60.57	17.54	0.88	6.86	0.88	6.00	2.01	18.45	168.01	0.00	168.01	39.85	0.90	0.00	5.00	0.76	0.68	2.16	45.05	0.10	49.71	7.00
971	9.71	6.75	58.08	17.44	0.86	6.75	0.86	6.00	2.01	18.39	168.19	0.00	168.19	39.15	0.88	0.00	5.00	0.76	0.68	2.16	44.27	0.10	49.77	7.00
972	9.72	6.52	53.82	17.35	0.83	6.52	0.82	6.00	2.01	18.29	168.38	0.00	168.38	37.74	0.85	0.00	5.00	0.76	0.68	2.17	42.65	0.10	49.61	7.00
973	9.73	6.39	51.84	17.25	0.81	6.39	0.81	6.00	2.02	18.24	168.56	0.00	168.56	36.93	0.83	0.00	5.00	0.76	0.68	2.17	41.70	0.10	49.37	6.00
974	9.74	6.17	47.20	17.16	0.77	6.17	0.76	6.00	2.01	18.12	168.74	0.00	168.74	35.59	0.79	0.00	5.00	0.76	0.68	2.17	40.19	0.10	49.40	6.00
975	9.75	6.06	44.65	17.06	0.74	6.06	0.74	6.00	2.01	18.05	168.92	0.00	168.92	34.90	0.76	0.00	5.00	0.76	0.68	2.17	39.42	0.10	49.49	6.00
976	9.76	5.98	43.35	17.06	0.73	5.98	0.72	6.00	2.01	18.01	169.10	0.00	169.10	34.39	0.75	0.00	5.00	0.76	0.68	2.18	38.84	0.10	49.35	6.00
977	9.77	5.81	42.82	16.96	0.74	5.81	0.74	6.00	2.03	17.98	169.28	0.00	169.28	33.34	0.76	0.00	5.00	0.77	0.67	2.19	37.55	0.10	48.28	6.00
978	9.78	5.72	42.98	16.96	0.75	5.72	0.75	6.00	2.04	17.98	169.46	0.00	169.46	32.78	0.77	0.00	5.00	0.77	0.67	2.20	36.83	0.10	47.54	6.00
979	9.79	5.58	42.94	16.87	0.77	5.58	0.77	6.00	2.05	17.97	169.64	0.00	169.64	31.91	0.79	0.00	5.00	0.78	0.67	2.22	35.76	0.10	46.52	6.00
980	9.80	5.52	42.53	16.87	0.77	5.52	0.77	6.00	2.06	17.96	169.82	0.00	169.82	31.53	0.79	0.00	5.00	0.78	0.67	2.22	35.29	0.10	46.20	6.00
981	9.81	5.45	41.78	16.87	0.77	5.45	0.77	6.00	2.06	17.93	170.00	0.00	170.00	31.08	0.79	0.00	5.00	0.78	0.67	2.23	34.77	0.10	45.92	6.00
982	9.82	5.43	41.46	16.96	0.76	5.43	0.76	6.00	2.06	17.92	170.18	0.00	170.18	30.93	0.79	0.00	5.00	0.78	0.67	2.23	34.60	0.10	45.86	6.00
983	9.83	5.42	41.05	16.96	0.76	5.42	0.76	6.00	2.06	17.91	170.36	0.00	170.36	30.84	0.78	0.00	5.00	0.78	0.67	2.23	34.50	0.10	45.90	6.00
984	9.84	5.50	40.74	17.06	0.74	5.50	0.74	6.00	2.05	17.91	170.53	0.00	170.53	31.27	0.76	0.00	5.00	0.78	0.67	2.22	35.08	0.10	46.57	6.00
985	9.85	5.58	40.67	17.16	0.73	5.58	0.73	6.00	2.04	17.91	170.71	0.00	170.71	31.71	0.75	0.00	5.00	0.78	0.67	2.21	35.64	0.10	47.16	6.00
986	9.86	5.79	40.42	17.35	0.70	5.79	0.70	6.00	2.02	17.92	170.89	0.00	170.89	32.90	0.72	0.00	5.00	0.77	0.67	2.18	37.18	0.10	48.77	6.00
987	9.87	5.92	40.23	17.35	0.68	5.92	0.68	6.00	2.00	17.92	171.07	0.00	171.07	33.63	0.70	0.00	5.00	0.76	0.67	2.17	38.12	0.10	49.78	6.00
988	9.88	6.15	40.33	17.54	0.66	6.15	0.66	6.00	1.98	17.94	171.25	0.00	171.25	34.93	0.67	0.00	5.00	0.75	0.67	2.14	39.80	0.10	51.43	6.00
989	9.89	6.22	40.23	17.63	0.65	6.22	0.65	6.00	1.97	17.94	171.43	0.00	171.43	35.30	0.66	0.00	5.00	0.75	0.67	2.14	40.29	0.10	51.96	6.00
990	9.90	6.22	40.23	17.63	0.65	6.22	0.65	6.00	1.97	17.94	171.61	0.00	171.61	35.27	0.66	0.00	5.00	0.75	0.67	2.14	40.25	0.10	51.94	6.00

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
991	9.91	6.22	40.23	17.63	0.65	6.22	0.65	6.00	1.97	17.94	171.79	0.00	171.79	35.23	0.66	0.00	5.00	0.75	0.67	2.14	40.22	0.10	51.91	6.00
992	9.92	6.07	35.50	16.68	0.59	6.07	0.58	6.00	1.96	17.79	171.97	0.00	171.97	34.32	0.60	0.00	5.00	0.74	0.67	2.13	39.28	0.10	52.63	6.00
993	9.93	5.98	37.36	16.48	0.63	5.98	0.62	6.00	1.98	17.84	172.15	0.00	172.15	33.76	0.64	0.00	5.00	0.75	0.67	2.15	38.48	0.10	51.17	6.00
994	9.94	5.40	53.85	16.10	1.00	5.40	1.00	5.00	2.13	18.22	172.33	0.00	172.33	30.36	1.03	0.00	5.00	0.81	0.65	2.30	33.54	0.09	41.65	6.00
995	9.95	5.33	55.49	16.10	1.04	5.33	1.04	5.00	2.14	18.25	172.51	0.00	172.51	29.92	1.08	0.00	5.00	0.82	0.65	2.32	32.95	0.09	40.74	6.00
996	9.96	5.29	55.81	16.01	1.06	5.29	1.05	5.00	2.15	18.25	172.69	0.00	172.69	29.65	1.09	0.00	5.00	0.82	0.65	2.33	32.61	0.09	40.37	6.00
997	9.97	5.31	57.73	16.01	1.09	5.31	1.09	5.00	2.15	18.29	172.88	0.00	172.88	29.74	1.12	0.00	5.00	0.82	0.64	2.33	32.67	0.09	39.99	6.00
998	9.98	5.46	61.42	16.20	1.12	5.46	1.12	5.00	2.15	18.38	173.06	0.00	173.06	30.57	1.16	0.00	5.00	0.82	0.64	2.33	33.60	0.09	40.00	7.00
999	9.99	5.59	63.97	16.20	1.15	5.59	1.14	5.00	2.15	18.43	173.24	0.00	173.24	31.29	1.18	0.00	5.00	0.82	0.64	2.33	34.43	0.09	40.16	7.00
1000	10.00	5.85	68.39	16.29	1.17	5.85	1.17	5.00	2.14	18.53	173.43	0.00	173.43	32.75	1.20	0.00	5.00	0.82	0.64	2.31	36.14	0.09	40.65	7.00

GeoDeep
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	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
1	0.01	0.00	0.00	0.00	0.00E+000	0.00E+000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	13.73	N/A	N/A	N/A	N/A
2	0.02	0.02	0.03	1.00	1.37E-010	1.08E-010	0.00	0.01	0.00	0.00	0.00	1.82	15.00	1.32	4.79	0.30	0.12	36.09	0.00	1.00	46.07	0.00	1.32	41.62	16.22	0.11	13.73	N/A	N/A	N/A	N/A
3	0.03	0.05	0.06	1.00	4.97E-010	2.47E-009	0.00	0.05	0.00	0.00	0.00	2.73	15.00	3.31	8.04	0.30	0.29	44.20	0.00	1.00	57.95	0.00	3.31	21.11	20.69	0.15	13.73	N/A	N/A	N/A	N/A
4	0.04	0.07	0.13	1.00	7.36E-010	7.19E-009	0.00	0.10	0.00	0.00	0.00	3.28	15.00	4.65	8.46	0.30	0.41	48.39	0.00	1.00	37.53	0.00	4.65	17.10	23.53	0.24	13.73	N/A	N/A	N/A	N/A
5	0.05	0.10	0.22	1.00	1.38E-009	2.74E-008	1.00	0.19	0.00	0.00	0.00	3.91	15.00	6.62	9.64	0.30	0.59	52.87	0.00	1.00	31.61	0.00	6.62	13.41	26.29	0.32	13.73	N/A	N/A	N/A	N/A
6	0.06	0.10	0.22	1.00	1.38E-009	2.73E-008	1.00	0.19	0.00	0.00	0.00	3.91	15.00	6.62	8.03	0.30	0.59	52.87	0.00	1.00	31.58	0.00	6.62	13.42	26.29	0.27	13.73	N/A	N/A	N/A	N/A
7	0.07	0.10	0.25	1.00	1.28E-009	2.52E-008	1.00	0.19	0.00	0.00	0.00	3.96	15.00	6.61	6.87	0.30	0.59	53.20	0.00	1.00	27.75	0.00	6.61	13.68	26.76	0.26	13.73	N/A	N/A	N/A	N/A
8	0.08	0.13	0.57	1.00	1.88E-009	6.29E-008	1.00	0.33	0.00	0.00	0.00	4.81	15.00	8.60	7.83	0.30	0.76	58.62	0.00	1.00	15.85	0.00	8.60	12.40	31.59	0.52	13.73	N/A	N/A	N/A	N/A
9	0.09	0.17	0.47	1.00	5.77E-009	3.28E-007	1.00	0.56	0.00	0.00	0.00	5.12	15.00	11.21	9.07	0.30	1.00	60.45	0.00	1.00	25.04	0.00	11.21	9.22	30.59	0.38	13.73	N/A	N/A	N/A	N/A
10	0.10	0.21	1.61	1.00	4.32E-009	3.75E-007	1.00	0.85	0.00	0.00	0.00	6.66	15.00	13.85	10.09	0.30	1.23	68.99	0.00	1.00	9.03	0.00	13.85	9.97	40.90	1.17	13.73	N/A	N/A	N/A	N/A
11	0.11	0.27	1.29	1.00	1.45E-008	2.08E-006	1.00	1.41	0.00	0.00	0.00	6.89	15.00	17.84	11.81	0.30	1.58	70.17	0.00	1.00	14.52	0.00	17.84	7.11	37.57	0.02	13.73	N/A	N/A	N/A	N/A
12	0.12	0.40	1.83	4.00	4.74E-008	1.51E-005	2.00	3.12	0.00	0.00	0.00	8.26	15.00	26.50	16.08	0.30	2.35	76.83	0.00	1.00	15.21	0.00	26.50	4.97	38.98	0.03	13.73	N/A	N/A	N/A	N/A
13	0.13	0.74	2.27	5.00	4.13E-007	4.34E-004	3.00	10.32	20.00	30.00	11.25	10.42	0.00	0.00	0.00	0.30	0.00	86.03	0.05	0.00	0.00	0.00	1.03	2.46	35.76	0.02	13.81	N/A	N/A	N/A	N/A
14	0.14	0.82	2.52	5.00	5.55E-007	6.48E-004	3.00	11.44	21.00	30.00	11.81	11.07	0.00	0.00	0.00	0.30	0.00	88.17	0.05	0.00	0.00	0.00	1.11	2.24	36.12	0.02	13.97	N/A	N/A	N/A	N/A
15	0.15	0.85	3.41	5.00	4.74E-007	5.73E-004	3.00	11.86	22.00	30.00	12.60	12.11	0.00	0.00	0.00	0.30	0.00	91.05	0.03	0.00	0.00	0.00	1.19	2.35	39.32	0.03	14.34	N/A	N/A	N/A	N/A
16	0.16	0.96	3.88	5.00	6.66E-007	9.10E-004	3.00	13.40	23.00	30.00	13.39	13.05	0.00	0.00	0.00	0.30	0.00	93.84	0.03	0.00	0.00	0.00	1.28	2.12	40.02	0.03	14.53	N/A	N/A	N/A	N/A
17	0.17	0.99	3.97	5.00	7.33E-007	1.03E-003	3.00	13.81	24.00	30.00	13.57	13.26	0.00	0.00	0.00	0.30	0.00	94.48	0.03	0.00	0.00	0.00	1.36	2.06	40.12	0.03	14.57	N/A	N/A	N/A	N/A
18	0.18	0.96	5.11	5.00	4.86E-007	6.64E-004	3.00	13.39	23.00	30.00	14.17	14.11	0.00	0.00	0.00	0.30	0.00	96.54	0.02	0.00	0.00	0.00	1.45	2.33	44.06	0.04	14.85	N/A	N/A	N/A	N/A
19	0.19	0.93	5.55	5.00	3.86E-007	5.11E-004	3.00	12.97	23.00	30.00	14.30	14.32	0.00	0.00	0.00	0.30	0.00	97.01	0.01	0.00	0.00	0.00	1.53	2.51	45.89	0.04	14.93	N/A	N/A	N/A	N/A
20	0.20	0.91	6.34	5.00	2.98E-007	3.85E-004	3.00	12.69	23.00	30.00	14.66	14.83	0.00	0.00	0.00	0.30	0.00	98.23	0.00	0.00	0.00	0.00	1.62	2.73	48.83	0.05	15.08	N/A	N/A	N/A	N/A
21	0.21	0.92	7.31	5.00	2.57E-007	3.36E-004	3.00	12.83	23.00	30.27	15.22	15.57	0.00	0.00	0.00	0.30	0.00	100.09	-0.01	0.00	0.00	0.00	1.73	2.86	51.80	0.06	15.24	N/A	N/A	N/A	N/A
22	0.22	0.94	7.35	5.00	2.78E-007	3.72E-004	3.00	13.10	23.00	30.24	15.33	15.69	0.00	0.00	0.00	0.30	0.00	100.43	-0.01	0.00	0.00	0.00	1.82	2.79	51.55	0.06	15.26	N/A	N/A	N/A	N/A
23	0.23	0.96	7.69	5.00	2.85E-007	3.89E-004	3.00	13.38	23.00	30.33	15.59	16.02	0.00	0.00	0.00	0.30	0.00	101.28	-0.01	0.00	0.00	0.00	1.91	2.77	52.24	0.06	15.32	N/A	N/A	N/A	N/A
24	0.24	0.98	8.58	5.00	2.66E-007	3.70E-004	4.00	13.66	23.00	30.63	16.12	16.70	0.00	0.00	0.00	0.30	0.00	102.97	-0.01	0.00	0.00	0.00	2.03	2.83	54.56	0.07	15.45	N/A	N/A	N/A	N/A
25	0.25	0.98	9.27	5.00	2.37E-007	3.31E-004	4.00	13.66	23.00	30.89	16.44	17.14	0.00	0.00	0.00	0.30	0.00	104.02	-0.02	0.00	0.00	0.00	2.14	2.94	56.60	0.09	15.54	N/A	N/A	N/A	N/A
26	0.26	0.98	9.90	5.00	2.15E-007	3.00E-004	4.00	13.65	23.00	31.11	16.74	17.53	0.00	0.00	0.00	0.30	0.00	104.93	-0.02	0.00	0.00	0.00	2.25	3.04	58.44	0.10	15.62	N/A	N/A	N/A	N/A
27	0.27	0.98	10.12	5.00	2.08E-007	2.90E-004	4.00	13.65	23.00	31.18	16.83	17.66	0.00	0.00	0.00	0.30	0.00	105.24	-0.02	0.00	0.00	0.00	2.35	3.07	59.08	0.11	15.64	N/A	N/A	N/A	N/A
28	0.28	0.97	10.53	5.00	1.88E-007	2.59E-004	4.00	13.51	23.00	31.34	16.97	17.85	0.00	0.00	0.00	0.30	0.00	105.67	-0.03	0.00	0.00	0.00	2.46	3.18	60.49	0.12	15.68	N/A	N/A	N/A	N/A
29	0.29	0.97	11.13	5.00	1.73E-007	2.38E-004	4.00	13.51	23.00	31.53	17.23	18.20	0.00	0.00	0.00	0.30	0.00	106.48	-0.03	0.00	0.00	0.00	2.58	3.27	62.20	0.13	15.75	N/A	N/A	N/A	N/A
30	0.30	0.97	11.10	5.00	1.73E-007	2.38E-004	4.00	13.51	23.00	31.53	17.22	18.18	0.00	0.00	0.00	0.30	0.00	106.44	-0.03	0.00	0.00	0.00	2.68	3.26	62.12	0.13	15.74	N/A	N/A	N/A	N/A
31	0.31	0.96	11.45	4.00	1.58E-007	2.15E-004	4.00	13.36	0.00	0.00	0.00	18.33	15.00	63.64	14.08	0.30	5.65	106.76	0.00	1.00	5.84	0.00	63.64	3.36	63.36	0.15	15.78	N/A	N/A	N/A	N/A
32	0.32	0.96	10.94	5.00	1.69E-007	2.31E-004	4.00	13.36	23.00	31.50	17.11	18.04	0.00	0.00	0.00	0.30	0.00	106.09	-0.03	0.00	0.00	0.00	2.87	3.29	61.92	0.13	15.72	N/A	N/A	N/A	N/A
33	0.33	0.97	10.66	5.00	1.84E-007	2.53E-004	4.00	13.50	23.00	31.39	17.03	17.93	0.00	0.00	0.00	0.30	0.00	105.84	-0.03	0.00	0.00	0.00	2.95	3.20	60.88	0.12	15.70	N/A	N/A	N/A	N/A
34	0.34	0.97	10.75	5.00	1.81E-007	2.50E-004	4.00	13.50	23.00	31.42	17.07	17.98	0.00	0.00	0.00	0.30	0.00	105.96	-0.03	0.00	0.00	0.00	3.05	3.21	61.14	0.12	15.71	N/A	N/A	N/A	N/A
35	0.35	0.98	10.85	5.00	1.87E-007	2.59E-004	4.00	13.63	23.00	31.42	17.15	18.09	0.00	0.00	0.00	0.30	0.00	106.23	-0.03	0.00	0.00	0.00	3.14	3.18	61.20	0.12	15.72	N/A	N/A	N/A	N/A
36	0.36	1.03	10.78	5.00	2.32E-007	3.39E-004	4.00	14.33	24.00	31.27	17.34	18.29	0.00	0.00	0.00	0.30	0.00	106.80	-0.03	0.00	0.00	0.00	3.22	2.96	59.89	0.11	15.73	N/A	N/A	N/A	N/A
37	0.37	1.07	10.85	5.00	2.69E-007	4.08E-004	4.00	14.89	24.00	31.20	17.53	18.53	0.00	0.00	0.00	0.30	0.00	107.40	-0.03	0.00	0.00	0.00	3.31	2.82	59.25	0.11	15.76	N/A	N/A	N/A	N/A
38	0.38	1.16	11.79	5.00	3.32E-007	5.46E-004	4.00	16.15	26.00	31.29	18.30	19.50	0.00	0.00	0.00	0.30	0.00	109.74	-0.03	0.00	0.00	0.00	3.42	2.64	60.00	0.11	15.88	N/A	N/A	N/A	N/A
39	0.39	1.20	11.95	5.00	3.74E-007	6.38E-004	4.00	16.71	26.00	31.25	18.53	19.77	0.00	0.00	0.00	0.30	0.00	110.41	-0.03	0.00	0.00	0.00	3.51	2.53	59.71	0.11	15.91	N/A	N/A	N/A	N/A
40	0.40	1.25	12.52	5.00	4.13E-007	7.33E-004	4.00	17.40	26.00	31.32	18.96	20.32	0.00	0.00	0.00	0.30	0.00	111.69	-0.03	0.00	0.00	0.00	3.61	2.46	60.27	0.12	15.98	N/A	N/A	N/A	N/A
41	0.41	1.29	12.74	5.00	4.59E-007	8.40E-004	5.00	17.96	27.00	31.31	19.20	20.62	0.00	0.00	0.00	0.30	0.00	112.40	-0.03	0.00	0.00	0.00	3.71	2.38	60.18	0.11	16.01	N/A	N/A	N/A	N/A
42	0.42	1.44	13.02	5.00	7.03E-007	1.44E-003	5.00	20.06	28.00	31.17	19.85	21.41	0.00	0.00	0.00	0.30	0.00	114.29	-0.02	0.00	0.00	0.00	3.79	2.09	58.99	0.10	16.08	N/A	N/A	N/A	N/A
43	0.43	1.53	12.96	5.00	9.11E-007	1.98E-003	5.00	21.32	29.00	31.07	20.13	21.73	0.00	0.00	0.00	0.30	0.00	115.08	-0.02	0.00	0.00	0.00	3.87	1.94	58.17	0.10	16.10	N/A	N/A	N/A	N/A
44	0.44	1.67	13.78	5.00	1.20E-006	2.84E-003	5.00	23.28	31.00	31.17	20.92	22.74	0.00	0.00	0.00	0.30	0.00	117.33	-0.02	0.00	0.00	0.00	3.98	1.80	59.03	0.10	16.20	N/A	N/A	N/A	N/A
45	0.45	1.70	14.91	5.00	1.14E-006	2.75E-003	5.00	23.70	31.00	31.38	21.48	23.49	0.00	0.00	0.00	0.30	0.00	118.89	-0.03	0.00	0.00	0.00	4.12	1.82	60.84	0.12	16.30	N/A	N/A	N/A	N/A
46	0.46	1.71	15.99	5.00	1.05E-006	2.54E-003	6.00	23.83	31.00	31.58	21.95	24.12	0.00	0.00	0.00	0.30	0.00	120.17	-0.03	0.00	0.00	0.00	4.25	1.86	62.62	0.14	16.38	N/A	N/A	N/A	N/A
47	0.47	1.70	18.41	5.00	8.12E-007	1.96E-003	6.00	23.69	31.00	32.02	22.84	25.34	0.00	0.00	0.00	0.30	0.00	122.59	-0.04	0.00	0.00	0.00	4.43	2.00	66.79	0.20	16.54	N/A	N/A	N/A	N/A
48	0.48	1.68	19.80	5.00	6.84E-007	1.63E-003	6.00	23.41	31.00	32.29	23.28	25.95	0.00	0.00	0.00	0.30	0.00	123.76	-0.05	0.00	0.00	0.00	4.58	2.10	69.39	0.24	16.62	N/A	N/A	N/A	N/A
49	0.49	1.61	21.98	5.00	4.78E-007	1.09E-003	6.00	22.43	30.00	32.75	23.80	26.70	0.00	0.00	0.00	0.30	0.00	125.13	-0.06	0.00	0.00	0.00	4.77	2.35	74.19	0.36	16.72	N/A	N/A	N/A	N/A
50	0.50	1.56	22.80	5.00	3.92E-007	8.68E-004	6.00	21.72	30.00	32.96	23.89	26.85	0.00	0.00	0.00	0.30	0.00	125.39	-0.06	0.00	0.00	0.00	4.91	2.50	76.52	0.44	16.75	N/A	N/A	N/A	N/A
51	0.51	1.52	23.93	5.00	3.22E-007	6.95E-004	5.00	21.16	29.00	33.21	24.12	27.17	0.00	0.00	0.00	0.30	0.00	125.96	-0.07	0.00	0.00	0.00	5.07	2.66	79.40	0.56	16.80	N/A	N/A	N/A	N/A
52	0.52	1.42	25.82	4.00	2.10E-007	4.24E-004	5.00	19.76	0.00	0.00	0.00	27.51	15.00	94.09	11.89	0.30	8.36	126.50	0.00	1.00	3.83	0.00	94.09	3.06	85.24	0.58	16.86	N/A	N/A	N/A	N/A
53	0.53	1.37	26.14	4.00	1.76E-007	3.43E-004	5.00	19.06	0.00	0.00	0.00	27.39	15.00	90.74	11.23	0.30	8.06	126.23	0.00	1.00	3.65	0.00	90.74	3.24	87.13	0.58	16.86	N/A	N/A	N/A	N/A
54	0.54	1.29	26.49	4.00	1.33E-007	2.43E-004	5.00	17.93	0.00	0.00	0.00	27.11	15.00	85.40	10.35	0.30	7.59	125.62	0.00	1.00	3.38	0.00	85.40	3.56	89.99	0.58	16.85	N/A	N/A	N/A	N/A
55	0.55	1.26	26.58	4.00	1.19E-007	2.13E-004	5.00	17.51	0.00	0.00	0.00	26.99	15.00	83.38	9.90	0.30	7.41	125.34	0.00	1.00	3.29	0.00	83.38	3.69	91.04	0.58	16.85	N/A	N/A	N/A	N/A
56	0.56	1.19	26.67	4.00	9.28E-008	1.56E-004	5.00	16.53	0.00	0.00	0.00	26.63	15.00	78.70	9.16	0.30	6.99	124.58	0.00	1.00	3.10	0.00	78.70	4.00	93.31	0.58	16.83	N/A	N/A	N/A	N/A
57	0.57	1.15	26.64	4.00	8.03E-008	1.31E-004	5.00	15.97	0.00	0.00	0.00	26.39	15.00	76.02	8.68	0.30	6.75	124.06	0.00	1.00	3.00	0.00	76.02	4.20	94.49	0.58	16.82	N/A	N/A	N/A	N/A
58	0.58	1.12	26.33	4.00	7.31E-008	1.16E-004	5.00	15.54	0.00	0.00	0.00	26.09	15.00	74.01	8.29	0.30	6.57	123.44	0.00	1.00	2.95	0.00	74.01	4.33	94.78	0.58	16.79	N/A	N/A	N/A	N/A
59	0.59	1.06	24.91	4.00	6.38E-008	9.56E-005	4.00	14.70	0.00	0.00	0.00	25.16	15.00	70.00	7.70	0.30	6.22	121.54	0.00	1.00	2.95	0.00	70.00	4.52	93.66	0.58	16.71	N/A	N/A	N/A	N/A
60	0.60	1.04	23.55	4.00	6.50E-008	9.55E-005	4.00	14.42	0.00	0.00	0.00	24.49	15.00	68.65	7.42	0.30	6.10	120.16	0.00	1.00	3.06	0.00	68.65	4.49	91.32	0.58	16.64	N/A	N/A	N/A	N/A
61	0.61	0.99	20.94	4.00	6.48E-008	9.06E-005	4.00	13.71	0.00	0.00	0.00	23.09	15.00	65.30	6.93	0.30	5.80	117.23	0.00	1.00	3.27	0.00	65.30	4.50	86.96	0.58	16.48	N/A	N/A	N/A	N/A
62	0.62	0.97	20.02	4.00	6.42E-008	8.78E-005	4.00	13.43	0.00	0.00	0.00	22.57	15.00	63.96	6.67	0.30	5.68	116.12	0.00	1.00	3.35	0.00	63.96	4.51	85.43	0.58	16.42	N/A	N/A	N/A	N/A
63	0.63	0.94	18.85	4.00	6.22E-008	8.25E-005	4.00	13.01	0.00	0.00	0.00	21.88	15.00	61.94	6.35	0.30	5.50	114.59	0.00	1.00	3.45	0.00	61.94	4.56	83.55	0.58	16.34	N/A	N/A	N/A	N/A
64	0.64	0.90	16.77	4.00	6.31E-008	8.00E-005	4.00	12.45	0.00	0.00	0.00	20.68	15.00	59.26	5.98	0.30	5.26	111.95	0.00	1.00	3.71	0.00	59.26	4.54	79.59	0.56	16.19	N/A	N/A	N/A	N/A
65	0.65	0.88	16.02	4.00	6.19E-008	7.67E-005	4.00	12.16	0.00	0.00	0.00	20.21	15.00	57.92	5.75	0.30	5.14	110.87	0.00	1.00	3.80	0.00	57.92	4.56	78.27	0.51	16.13	N/A	N/A	N/A	N/A
66	0.66	0.83	14.69	4.00	5.56E-008	6.50E-005	4.00	11.46	0.00	0.00	0.00	19.26	15.00	54.57	5.33	0.30	4.85	108.65	0.00	1.00	3.90	0.00	54.57	4.72	76.28	0.43	16.01	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
67	0.67	0.82	14.06	4.00	5.68E-008	6.55E-005	3.00	11.32	0.00	0.00	0.00	18.89	15.00	53.89	5.19	0.30	4.79	107.78	0.00	1.00	4.02	0.00	53.89	4.69	74.86	0.38	15.95	N/A	N/A	N/A	N/A
68	0.68	0.79	12.99	4.00	5.51E-008	6.12E-005	3.00	10.90	0.00	0.00	0.00	18.16	15.00	51.88	4.92	0.30	4.61	106.04	0.00	1.00	4.19	0.00	51.88	4.74	72.76	0.32	15.85	N/A	N/A	N/A	N/A
69	0.69	0.78	12.71	4.00	5.40E-008	5.92E-005	3.00	10.75	0.00	0.00	0.00	17.96	15.00	51.20	4.78	0.30	4.55	105.54	0.00	1.00	4.23	0.00	51.20	4.77	72.26	0.31	15.82	N/A	N/A	N/A	N/A
70	0.70	0.77	12.04	4.00	5.57E-008	6.02E-005	3.00	10.61	0.00	0.00	0.00	17.54	15.00	50.52	4.65	0.30	4.49	104.54	0.00	1.00	4.41	0.00	50.52	4.72	70.60	0.27	15.75	N/A	N/A	N/A	N/A
71	0.71	0.77	11.92	4.00	5.65E-008	6.11E-005	3.00	10.61	0.00	0.00	0.00	17.48	15.00	50.51	4.58	0.30	4.49	104.38	0.00	1.00	4.45	0.00	50.51	4.70	70.25	0.26	15.74	N/A	N/A	N/A	N/A
72	0.72	0.79	11.67	4.00	6.52E-008	7.23E-005	3.00	10.89	0.00	0.00	0.00	17.47	15.00	51.84	4.64	0.30	4.60	104.39	0.00	1.00	4.66	0.00	51.84	4.49	68.90	0.23	15.72	N/A	N/A	N/A	N/A
73	0.73	0.79	11.63	4.00	6.54E-008	7.26E-005	3.00	10.88	0.00	0.00	0.00	17.44	15.00	51.82	4.57	0.30	4.60	104.34	0.00	1.00	4.68	0.00	51.82	4.48	68.78	0.23	15.72	N/A	N/A	N/A	N/A
74	0.74	0.80	11.63	4.00	6.90E-008	7.75E-005	3.00	11.02	0.00	0.00	0.00	17.50	15.00	52.48	4.57	0.30	4.66	104.50	0.00	1.00	4.74	0.00	52.48	4.41	68.49	0.22	15.72	N/A	N/A	N/A	N/A
75	0.75	0.80	11.32	4.00	7.19E-008	8.08E-005	3.00	11.02	0.00	0.00	0.00	17.33	15.00	52.47	4.50	0.30	4.66	104.09	0.00	1.00	4.87	0.00	52.47	4.35	67.56	0.21	15.69	N/A	N/A	N/A	N/A
76	0.76	0.80	11.26	4.00	7.24E-008	8.14E-005	3.00	11.02	0.00	0.00	0.00	17.30	15.00	52.46	4.44	0.30	4.66	104.01	0.00	1.00	4.89	0.00	52.46	4.34	67.38	0.21	15.69	N/A	N/A	N/A	N/A
77	0.77	0.80	11.13	4.00	7.37E-008	8.28E-005	3.00	11.01	0.00	0.00	0.00	17.23	15.00	52.44	4.38	0.30	4.66	103.84	0.00	1.00	4.95	0.00	52.44	4.31	67.00	0.20	15.67	N/A	N/A	N/A	N/A
78	0.78	0.80	11.22	4.00	7.27E-008	8.16E-005	3.00	11.01	0.00	0.00	0.00	17.28	15.00	52.43	4.32	0.30	4.66	103.95	0.00	1.00	4.91	0.00	52.43	4.33	67.27	0.20	15.68	N/A	N/A	N/A	N/A
79	0.79	0.79	11.10	4.00	7.00E-008	7.76E-005	3.00	10.87	0.00	0.00	0.00	17.15	15.00	51.75	4.21	0.30	4.60	103.63	0.00	1.00	4.90	0.00	51.75	4.39	67.21	0.20	15.67	N/A	N/A	N/A	N/A
80	0.80	0.79	10.72	4.00	7.39E-008	8.18E-005	3.00	10.87	0.00	0.00	0.00	16.94	15.00	51.74	4.16	0.30	4.60	103.12	0.00	1.00	5.07	0.00	51.74	4.31	66.05	0.18	15.63	N/A	N/A	N/A	N/A
81	0.81	0.80	10.47	4.00	8.08E-008	9.06E-005	3.00	11.00	0.00	0.00	0.00	16.85	15.00	52.40	4.16	0.30	4.65	102.94	0.00	1.00	5.25	0.00	52.40	4.19	64.99	0.17	15.60	N/A	N/A	N/A	N/A
82	0.82	0.80	10.47	4.00	8.07E-008	9.05E-005	3.00	11.00	0.00	0.00	0.00	16.85	15.00	52.39	4.11	0.30	4.65	102.94	0.00	1.00	5.25	0.00	52.39	4.19	64.99	0.17	15.60	N/A	N/A	N/A	N/A
83	0.83	0.80	10.47	4.00	8.06E-008	9.04E-005	3.00	11.00	0.00	0.00	0.00	16.85	15.00	52.38	4.06	0.30	4.65	102.93	0.00	1.00	5.25	0.00	52.38	4.19	65.00	0.17	15.60	N/A	N/A	N/A	N/A
84	0.84	0.78	9.41	4.00	8.50E-008	9.28E-005	3.00	10.71	0.00	0.00	0.00	16.12	15.00	51.00	3.91	0.30	4.53	101.09	0.00	1.00	5.69	0.00	51.00	4.12	62.22	0.14	15.47	N/A	N/A	N/A	N/A
85	0.85	0.78	9.41	4.00	8.49E-008	9.27E-005	3.00	10.71	0.00	0.00	0.00	16.12	15.00	50.99	3.86	0.30	4.53	101.09	0.00	1.00	5.69	0.00	50.99	4.12	62.23	0.14	15.47	N/A	N/A	N/A	N/A
86	0.86	0.78	9.41	4.00	8.49E-008	9.26E-005	3.00	10.71	0.00	0.00	0.00	16.12	15.00	50.98	3.81	0.30	4.53	101.09	0.00	1.00	5.69	0.00	50.98	4.12	62.23	0.14	15.47	N/A	N/A	N/A	N/A
87	0.87	0.78	9.41	4.00	8.49E-008	9.27E-005	3.00	10.71	0.00	0.00	0.00	16.12	15.00	51.00	3.77	0.30	4.53	101.09	0.00	1.00	5.69	0.00	51.00	4.12	62.23	0.14	15.47	N/A	N/A	N/A	N/A
88	0.88	0.74	8.80	4.00	7.51E-008	7.77E-005	3.00	10.15	0.00	0.00	0.00	15.52	15.00	48.32	3.53	0.30	4.29	99.50	0.00	1.00	5.77	0.00	48.32	4.29	61.35	0.13	15.37	N/A	N/A	N/A	N/A
89	0.89	0.75	8.89	4.00	7.82E-008	8.20E-005	3.00	10.29	0.00	0.00	0.00	15.63	15.00	48.98	3.54	0.30	4.35	99.81	0.00	1.00	5.78	0.00	48.98	4.23	61.37	0.13	15.39	N/A	N/A	N/A	N/A
90	0.90	0.75	8.89	4.00	7.82E-008	8.20E-005	3.00	10.28	0.00	0.00	0.00	15.63	15.00	48.97	3.50	0.30	4.35	99.81	0.00	1.00	5.78	0.00	48.97	4.23	61.38	0.13	15.39	N/A	N/A	N/A	N/A
91	0.91	0.77	8.39	4.00	9.51E-008	1.02E-004	3.00	10.56	0.00	0.00	0.00	15.43	15.00	50.29	3.56	0.30	4.47	99.37	0.00	1.00	6.29	0.00	50.29	3.97	59.15	0.11	15.33	N/A	N/A	N/A	N/A
92	0.92	0.78	8.61	4.00	9.66E-008	1.05E-004	3.00	10.70	0.00	0.00	0.00	15.63	15.00	50.95	3.56	0.30	4.53	99.87	0.00	1.00	6.21	0.00	50.95	3.95	59.62	0.11	15.37	N/A	N/A	N/A	N/A
93	0.93	0.85	9.90	4.00	1.13E-007	1.34E-004	3.00	11.68	0.00	0.00	0.00	16.80	15.00	55.61	3.85	0.30	4.94	102.90	0.00	1.00	5.90	0.00	55.61	3.76	61.88	0.13	15.56	N/A	N/A	N/A	N/A
94	0.94	0.88	10.03	4.00	1.28E-007	1.58E-004	3.00	12.10	0.00	0.00	0.00	17.04	15.00	57.60	3.94	0.30	5.12	103.54	0.00	1.00	6.03	0.00	57.60	3.61	61.49	0.13	15.59	N/A	N/A	N/A	N/A
95	0.95	0.92	10.09	5.00	1.53E-007	1.97E-004	4.00	12.65	23.00	31.36	16.50	17.28	0.00	0.00	0.00	0.30	0.00	104.21	-0.03	0.00	0.00	0.00	9.00	3.40	60.67	0.12	15.61	N/A	N/A	N/A	N/A
96	0.96	1.03	10.06	5.00	2.47E-007	3.57E-004	4.00	14.19	24.00	31.06	16.97	17.82	0.00	0.00	0.00	0.30	0.00	105.67	-0.02	0.00	0.00	0.00	8.98	2.90	58.09	0.10	15.65	N/A	N/A	N/A	N/A
97	0.97	1.10	9.99	5.00	3.28E-007	5.08E-004	4.00	15.17	25.00	30.88	17.23	18.11	0.00	0.00	0.00	0.30	0.00	106.46	-0.02	0.00	0.00	0.00	9.01	2.64	56.56	0.09	15.67	N/A	N/A	N/A	N/A
98	0.98	1.28	10.15	5.00	6.05E-007	1.09E-003	4.00	17.69	27.00	30.61	17.99	19.00	0.00	0.00	0.00	0.30	0.00	108.78	-0.01	0.00	0.00	0.00	9.01	2.18	54.40	0.07	15.75	N/A	N/A	N/A	N/A
99	0.99	1.38	10.59	5.00	7.78E-007	1.51E-003	5.00	19.09	28.00	30.62	18.54	19.68	0.00	0.00	0.00	0.30	0.00	110.45	-0.01	0.00	0.00	0.00	9.11	2.02	54.47	0.07	15.83	N/A	N/A	N/A	N/A
100	1.00	1.53	12.20	5.00	9.72E-007	2.10E-003	5.00	21.19	29.00	30.91	19.77	21.25	0.00	0.00	0.00	0.30	0.00	114.05	-0.02	0.00	0.00	0.00	9.31	1.90	56.77	0.09	16.03	N/A	N/A	N/A	N/A
101	1.01	1.56	13.21	5.00	9.35E-007	2.06E-003	5.00	21.60	30.00	31.11	20.30	21.96	0.00	0.00	0.00	0.30	0.00	115.57	-0.02	0.00	0.00	0.00	9.48	1.92	58.52	0.10	16.13	N/A	N/A	N/A	N/A
102	1.02	1.57	14.03	5.00	8.75E-007	1.94E-003	5.00	21.74	30.00	31.29	20.68	22.46	0.00	0.00	0.00	0.30	0.00	116.64	-0.03	0.00	0.00	0.00	9.64	1.96	60.00	0.11	16.20	N/A	N/A	N/A	N/A
103	1.03	1.53	15.32	5.00	6.83E-007	1.48E-003	5.00	21.18	29.00	31.60	21.06	23.01	0.00	0.00	0.00	0.30	0.00	117.73	-0.03	0.00	0.00	0.00	9.86	2.10	62.79	0.14	16.29	N/A	N/A	N/A	N/A
104	1.04	1.50	16.24	5.00	5.72E-007	1.21E-003	5.00	20.76	29.00	31.83	21.32	23.38	0.00	0.00	0.00	0.30	0.00	118.44	-0.04	0.00	0.00	0.00	10.06	2.22	64.94	0.17	16.35	N/A	N/A	N/A	N/A
105	1.05	1.46	17.75	5.00	4.41E-007	9.07E-004	5.00	20.19	29.00	32.20	21.75	23.98	0.00	0.00	0.00	0.30	0.00	119.61	-0.05	0.00	0.00	0.00	10.30	2.41	68.52	0.23	16.44	N/A	N/A	N/A	N/A
106	1.06	1.37	20.18	5.00	2.70E-007	5.22E-004	5.00	18.93	28.00	32.84	22.27	24.74	0.00	0.00	0.00	0.30	0.00	121.04	-0.06	0.00	0.00	0.00	10.67	2.82	75.20	0.39	16.56	N/A	N/A	N/A	N/A
107	1.07	1.34	21.19	5.00	2.26E-007	4.26E-004	5.00	18.51	27.00	33.09	22.49	25.06	0.00	0.00	0.00	0.30	0.00	121.65	-0.06	0.00	0.00	0.00	10.88	2.99	77.99	0.49	16.61	N/A	N/A	N/A	N/A
108	1.08	1.28	22.51	4.00	1.67E-007	3.01E-004	5.00	17.67	0.00	0.00	0.00	25.34	15.00	84.13	4.99	0.30	7.47	122.15	0.00	1.00	3.92	0.00	84.13	3.30	82.26	0.58	16.66	N/A	N/A	N/A	N/A
109	1.09	1.24	22.95	4.00	1.41E-007	2.45E-004	5.00	17.10	0.00	0.00	0.00	25.32	15.00	81.45	4.78	0.30	7.23	122.06	0.00	1.00	3.73	0.00	81.45	3.49	84.27	0.58	16.67	N/A	N/A	N/A	N/A
110	1.10	1.17	23.62	4.00	1.04E-007	1.71E-004	5.00	16.12	0.00	0.00	0.00	25.23	15.00	76.77	4.46	0.30	6.82	121.79	0.00	1.00	3.41	0.00	76.77	3.86	87.71	0.58	16.69	N/A	N/A	N/A	N/A
111	1.11	1.14	23.74	4.00	9.20E-008	1.47E-004	5.00	15.70	0.00	0.00	0.00	25.11	15.00	74.76	4.31	0.30	6.64	121.51	0.00	1.00	3.31	0.00	74.76	4.02	88.88	0.58	16.68	N/A	N/A	N/A	N/A
112	1.12	1.11	23.77	4.00	8.18E-008	1.27E-004	5.00	15.28	0.00	0.00	0.00	24.95	15.00	72.74	4.15	0.30	6.46	121.15	0.00	1.00	3.21	0.00	72.74	4.17	89.87	0.58	16.67	N/A	N/A	N/A	N/A
113	1.13	1.07	23.71	4.00	7.00E-008	1.05E-004	4.00	14.71	0.00	0.00	0.00	24.68	15.00	70.06	3.96	0.30	6.22	120.58	0.00	1.00	3.10	0.00	70.06	4.39	91.00	0.58	16.66	N/A	N/A	N/A	N/A
114	1.14	1.06	23.36	4.00	6.90E-008	1.02E-004	4.00	14.57	0.00	0.00	0.00	24.48	15.00	69.38	3.88	0.30	6.16	120.15	0.00	1.00	3.12	0.00	69.38	4.41	90.54	0.58	16.63	N/A	N/A	N/A	N/A
115	1.15	1.04	22.29	4.00	6.90E-008	1.01E-004	4.00	14.29	0.00	0.00	0.00	23.92	15.00	68.04	3.77	0.30	6.04	118.98	0.00	1.00	3.21	0.00	68.04	4.41	88.77	0.58	16.57	N/A	N/A	N/A	N/A
116	1.16	1.03	21.63	4.00	6.98E-008	1.01E-004	4.00	14.15	0.00	0.00	0.00	23.58	15.00	67.36	3.70	0.30	5.98	118.27	0.00	1.00	3.27	0.00	67.36	4.39	87.58	0.58	16.53	N/A	N/A	N/A	N/A
117	1.17	1.00	20.02	4.00	7.03E-008	9.83E-005	4.00	13.72	0.00	0.00	0.00	22.70	15.00	65.35	3.56	0.30	5.80	116.41	0.00	1.00	3.43	0.00	65.35	4.38	84.77	0.58	16.43	N/A	N/A	N/A	N/A
118	1.18	0.99	19.20	4.00	7.23E-008	1.00E-004	4.00	13.58	0.00	0.00	0.00	22.28	15.00	64.67	3.49	0.30	5.74	115.51	0.00	1.00	3.54	0.00	64.67	4.34	83.12	0.58	16.38	N/A	N/A	N/A	N/A
119	1.19	0.98	18.29	4.00	7.52E-008	1.03E-004	4.00	13.44	0.00	0.00	0.00	21.81	15.00	63.99	3.43	0.30	5.68	114.49	0.00	1.00	3.67	0.00	63.99	4.29	81.22	0.58	16.32	N/A	N/A	N/A	N/A
120	1.20	0.97	16.49	4.00	8.57E-008	1.16E-004	4.00	13.30	0.00	0.00	0.00	20.92	15.00	63.31	3.36	0.30	5.62	112.54	0.00	1.00	4.03	0.00	63.31	4.11	77.02	0.46	16.20	N/A	N/A	N/A	N/A
121	1.21	0.97	15.86	4.00	9.15E-008	1.24E-004	4.00	13.29	0.00	0.00	0.00	20.61	15.00	63.30	3.33	0.30	5.62	111.88	0.00	1.00	4.19	0.00	63.30	4.02	75.41	0.40	16.15	N/A	N/A	N/A	N/A
122	1.22	0.98	15.32	4.00	1.01E-007	1.39E-004	4.00	13.43	0.00	0.00	0.00	20.40	15.00	63.96	3.34	0.30	5.68	111.43	0.00	1.00	4.38	0.00	63.96	3.89	73.72	0.35	16.12	N/A	N/A	N/A	N/A
123	1.23	1.01	14.22	4.00	1.30E-007	1.84E-004	4.00	13.85	0.00	0.00	0.00	20.01	15.00	65.95	3.41	0.30	5.86	110.62	0.00	1.00	4.87	0.00	65.95	3.59	70.01	0.26	16.04	N/A	N/A	N/A	N/A
124	1.24	1.03	13.62	4.00	1.51E-007	2.18E-004	4.00	14.13	0.00	0.00	0.00	19.80	15.00	67.27	3.45	0.30	5.98	110.19	0.00	1.00	5.19	0.00	67.27	3.41	67.91	0.21	16.00	N/A	N/A	N/A	N/A
125	1.25	1.06	13.05	5.00	1.83E-007	2.72E-004	4.00	14.54	24.00	31.91	18.36	19.65	0.00	0.00	0.00	0.30	0.00	109.90	-0.04	0.00	0.00	0.00	12.23	3.20	65.67	0.18	15.96	N/A	N/A	N/A	N/A
126	1.26	1.08	12.77	5.00	2.05E-007	3.10E-004	4.00	14.82	24.00	31.78	18.33	19.60	0.00	0.00	0.00	0.30	0.00	109.81	-0.04	0.00	0.00	0.00	12.27	3.08	64.47	0.16	15.95	N/A	N/A	N/A	N/A
127	1.27	1.14	12.80	5.00	2.57E-007	4.11E-004	4.00	15.66	25.00	31.65	18.59	19.91	0.00	0.00	0.00	0.30	0.00	110.59	-0.03	0.00	0.00	0.00	12.31	2.86	63.23	0.15	15.97	N/A	N/A	N/A	N/A
128	1.28	1.17	13.08	5.00	2.77E-007	4.55E-004	4.00	16.08	25.00	31.66	18.82	20.21	0.00	0.00	0.00	0.30	0.00	111.29	-0.03	0.00	0.00	0.00	12.41	2.79	63.33	0.15	16.01	N/A	N/A	N/A	N/A
129	1.29	1.20	13.62	5.00	2.90E-007	4.87E-004	4.00	16.50	26.00	31.74	19.16	20.64	0.00	0.00	0.00	0.30	0.00	112.28	-0.04	0.00	0.00	0.00	12.55	2.75	64.06	0.16	16.06	N/A	N/A	N/A	N/A
130	1.30	1.20	13.97	5.00	2.78E-007	4.68E-004	4.00	16.49	26.00	31.83	19.30	20.83	0.00	0.00	0.00	0.30	0.00	112.69	-0.04	0.00	0.00	0.00	12.69	2.79	64.91	0.17	16.09	N/A	N/A	N/A	N/A
131	1.31	1.18	14.79	5.00	2.36E-007	3.90E-004	4.00	16.21	26.00	32.08	19.54	21.17	0.00	0.00	0.00	0.30	0.00	113.39	-0.04	0.00	0.00	0.00	12.92	2.95	67.32	0.20	16.15	N/A	N/A	N/A	N/A
132	1.32	1.18	15.32	5.00	2.23E-007	3.68E-004	4.00	16.21	26.00	32.21	19.74	21.44	0.00	0.00	0.00	0.30	0.00	113.98	-0.05	0.00	0.00	0.00	13.09	3.00	68.60	0.23	16.19	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
133	1.33	1.17	15.58	5.00	2.09E-007	3.42E-004	4.00	16.07	25.00	32.29	19.80	21.52	0.00	0.00	0.00	0.30	0.00	114.14	-0.05	0.00	0.00	0.00	13.23	3.07	69.46	0.24	16.21	N/A	N/A	N/A	N/A
134	1.34	1.18	16.02	5.00	2.07E-007	3.42E-004	4.00	16.20	26.00	32.37	20.01	21.79	0.00	0.00	0.00	0.30	0.00	114.73	-0.05	0.00	0.00	0.00	13.38	3.08	70.29	0.26	16.24	N/A	N/A	N/A	N/A
135	1.35	1.19	16.24	5.00	2.10E-007	3.49E-004	4.00	16.34	26.00	32.40	20.13	21.95	0.00	0.00	0.00	0.30	0.00	115.08	-0.05	0.00	0.00	0.00	13.49	3.06	70.58	0.27	16.26	N/A	N/A	N/A	N/A
136	1.36	1.20	16.68	5.00	2.08E-007	3.49E-004	5.00	16.48	26.00	32.48	20.33	22.22	0.00	0.00	0.00	0.30	0.00	115.66	-0.05	0.00	0.00	0.00	13.64	3.07	71.39	0.29	16.29	N/A	N/A	N/A	N/A
137	1.37	1.20	16.96	5.00	2.02E-007	3.39E-004	5.00	16.48	26.00	32.54	20.43	22.36	0.00	0.00	0.00	0.30	0.00	115.95	-0.05	0.00	0.00	0.00	13.78	3.10	72.04	0.30	16.31	N/A	N/A	N/A	N/A
138	1.38	1.20	17.31	5.00	1.95E-007	3.28E-004	5.00	16.48	26.00	32.62	20.56	22.53	0.00	0.00	0.00	0.30	0.00	116.30	-0.05	0.00	0.00	0.00	13.92	3.14	72.86	0.32	16.34	N/A	N/A	N/A	N/A
139	1.39	1.20	17.56	5.00	1.90E-007	3.20E-004	5.00	16.47	26.00	32.68	20.65	22.65	0.00	0.00	0.00	0.30	0.00	116.55	-0.06	0.00	0.00	0.00	14.06	3.16	73.45	0.34	16.35	N/A	N/A	N/A	N/A
140	1.40	1.17	18.16	4.00	1.61E-007	2.64E-004	4.00	16.05	0.00	0.00	0.00	22.78	15.00	76.43	3.46	0.30	6.79	116.79	0.00	1.00	4.42	0.00	76.43	3.34	75.60	0.40	16.38	N/A	N/A	N/A	N/A
141	1.41	1.17	18.16	4.00	1.61E-007	2.63E-004	4.00	16.05	0.00	0.00	0.00	22.78	15.00	76.42	3.44	0.30	6.79	116.79	0.00	1.00	4.42	0.00	76.42	3.34	75.60	0.40	16.38	N/A	N/A	N/A	N/A
142	1.42	1.15	19.08	4.00	1.37E-007	2.21E-004	4.00	15.77	0.00	0.00	0.00	23.10	15.00	75.07	3.35	0.30	6.67	117.44	0.00	1.00	4.13	0.00	75.07	3.52	78.27	0.51	16.43	N/A	N/A	N/A	N/A
143	1.43	1.13	19.42	4.00	1.23E-007	1.95E-004	4.00	15.48	0.00	0.00	0.00	23.15	15.00	73.73	3.27	0.30	6.55	117.51	0.00	1.00	3.99	0.00	73.73	3.65	79.62	0.57	16.45	N/A	N/A	N/A	N/A
144	1.44	1.12	19.86	4.00	1.14E-007	1.79E-004	4.00	15.34	0.00	0.00	0.00	23.29	15.00	73.05	3.21	0.30	6.49	117.79	0.00	1.00	3.86	0.00	73.05	3.74	80.93	0.58	16.47	N/A	N/A	N/A	N/A
145	1.45	1.07	20.46	4.00	8.89E-008	1.33E-004	4.00	14.64	0.00	0.00	0.00	23.28	15.00	69.70	3.04	0.30	6.19	117.70	0.00	1.00	3.58	0.00	69.70	4.06	83.79	0.58	16.49	N/A	N/A	N/A	N/A
146	1.46	1.05	20.46	4.00	8.19E-008	1.20E-004	4.00	14.36	0.00	0.00	0.00	23.16	15.00	68.36	2.96	0.30	6.07	117.43	0.00	1.00	3.51	0.00	68.36	4.17	84.41	0.58	16.48	N/A	N/A	N/A	N/A
147	1.47	0.98	20.46	4.00	6.06E-008	8.27E-005	4.00	13.37	0.00	0.00	0.00	22.75	15.00	63.68	2.74	0.30	5.66	116.46	0.00	1.00	3.27	0.00	63.68	4.59	86.60	0.58	16.45	N/A	N/A	N/A	N/A
148	1.48	0.96	20.72	4.00	5.42E-008	7.23E-005	4.00	13.09	0.00	0.00	0.00	22.73	15.00	62.33	2.66	0.30	5.54	116.40	0.00	1.00	3.16	0.00	62.33	4.76	87.87	0.58	16.46	N/A	N/A	N/A	N/A
149	1.49	0.93	21.16	4.00	4.54E-008	5.87E-005	4.00	12.67	0.00	0.00	0.00	22.73	15.00	60.32	2.56	0.30	5.36	116.35	0.00	1.00	2.99	0.00	60.32	5.03	89.90	0.58	16.47	N/A	N/A	N/A	N/A
150	1.50	0.92	21.09	4.00	4.36E-008	5.56E-005	4.00	12.53	0.00	0.00	0.00	22.63	15.00	59.64	2.51	0.30	5.30	116.14	0.00	1.00	2.97	0.00	59.64	5.10	90.07	0.58	16.46	N/A	N/A	N/A	N/A
151	1.51	0.91	21.00	4.00	4.18E-008	5.28E-005	4.00	12.38	0.00	0.00	0.00	22.53	15.00	58.96	2.47	0.30	5.24	115.90	0.00	1.00	2.95	0.00	58.96	5.17	90.19	0.58	16.45	N/A	N/A	N/A	N/A
152	1.52	0.91	21.06	4.00	4.16E-008	5.24E-005	4.00	12.38	0.00	0.00	0.00	22.55	15.00	58.95	2.45	0.30	5.24	115.95	0.00	1.00	2.94	0.00	58.95	5.18	90.34	0.58	16.46	N/A	N/A	N/A	N/A
153	1.53	0.92	21.28	4.00	4.28E-008	5.46E-005	4.00	12.52	0.00	0.00	0.00	22.71	15.00	59.61	2.46	0.30	5.29	116.29	0.00	1.00	2.94	0.00	59.61	5.13	90.53	0.58	16.47	N/A	N/A	N/A	N/A
154	1.54	0.94	21.69	4.00	4.54E-008	5.92E-005	4.00	12.80	0.00	0.00	0.00	23.01	15.00	60.93	2.50	0.30	5.41	116.95	0.00	1.00	2.95	0.00	60.93	5.04	90.84	0.58	16.50	N/A	N/A	N/A	N/A
155	1.55	0.93	21.63	4.00	4.35E-008	5.61E-005	4.00	12.65	0.00	0.00	0.00	22.92	15.00	60.25	2.45	0.30	5.35	116.75	0.00	1.00	2.92	0.00	60.25	5.10	91.04	0.58	16.50	N/A	N/A	N/A	N/A
156	1.56	0.93	21.19	4.00	4.51E-008	5.81E-005	4.00	12.65	0.00	0.00	0.00	22.73	15.00	60.24	2.44	0.30	5.35	116.36	0.00	1.00	2.99	0.00	60.24	5.05	90.01	0.58	16.47	N/A	N/A	N/A	N/A
157	1.57	0.93	20.72	4.00	4.68E-008	6.04E-005	4.00	12.65	0.00	0.00	0.00	22.54	15.00	60.23	2.42	0.30	5.35	115.94	0.00	1.00	3.05	0.00	60.23	4.98	88.90	0.58	16.45	N/A	N/A	N/A	N/A
158	1.58	0.93	20.40	4.00	4.81E-008	6.20E-005	4.00	12.65	0.00	0.00	0.00	22.40	15.00	60.22	2.41	0.30	5.35	115.65	0.00	1.00	3.10	0.00	60.22	4.94	88.14	0.58	16.43	N/A	N/A	N/A	N/A
159	1.59	0.92	19.71	4.00	4.87E-008	6.21E-005	4.00	12.50	0.00	0.00	0.00	22.04	15.00	59.54	2.36	0.30	5.29	114.87	0.00	1.00	3.17	0.00	59.54	4.92	86.81	0.58	16.38	N/A	N/A	N/A	N/A
160	1.60	0.92	19.61	4.00	4.91E-008	6.26E-005	4.00	12.50	0.00	0.00	0.00	21.99	15.00	59.53	2.35	0.30	5.29	114.77	0.00	1.00	3.19	0.00	59.53	4.91	86.57	0.58	16.38	N/A	N/A	N/A	N/A
161	1.61	0.92	19.33	4.00	5.03E-008	6.41E-005	4.00	12.50	0.00	0.00	0.00	21.87	15.00	59.52	2.33	0.30	5.29	114.51	0.00	1.00	3.23	0.00	59.52	4.87	85.89	0.58	16.36	N/A	N/A	N/A	N/A
162	1.62	0.92	19.26	4.00	5.06E-008	6.44E-005	4.00	12.50	0.00	0.00	0.00	21.84	15.00	59.51	2.32	0.30	5.29	114.44	0.00	1.00	3.24	0.00	59.51	4.87	85.73	0.58	16.36	N/A	N/A	N/A	N/A
163	1.63	0.96	18.60	4.00	6.46E-008	8.60E-005	4.00	13.05	0.00	0.00	0.00	21.79	15.00	62.16	2.40	0.30	5.52	114.40	0.00	1.00	3.51	0.00	62.16	4.50	82.83	0.58	16.33	N/A	N/A	N/A	N/A
164	1.64	0.98	18.57	4.00	7.09E-008	9.63E-005	4.00	13.33	0.00	0.00	0.00	21.90	15.00	63.49	2.44	0.30	5.64	114.66	0.00	1.00	3.59	0.00	63.49	4.37	82.14	0.58	16.34	N/A	N/A	N/A	N/A
165	1.65	1.00	18.67	4.00	7.66E-008	1.06E-004	4.00	13.61	0.00	0.00	0.00	22.06	15.00	64.81	2.48	0.30	5.76	115.03	0.00	1.00	3.64	0.00	64.81	4.26	81.77	0.58	16.35	N/A	N/A	N/A	N/A
166	1.66	1.02	18.67	4.00	8.34E-008	1.18E-004	4.00	13.89	0.00	0.00	0.00	22.18	15.00	66.13	2.51	0.30	5.87	115.31	0.00	1.00	3.72	0.00	66.13	4.15	81.17	0.58	16.36	N/A	N/A	N/A	N/A
167	1.67	1.06	18.04	4.00	1.04E-007	1.54E-004	4.00	14.45	0.00	0.00	0.00	22.11	15.00	68.79	2.59	0.30	6.11	115.23	0.00	1.00	4.00	0.00	68.79	3.85	78.46	0.51	16.34	N/A	N/A	N/A	N/A
168	1.68	1.06	17.88	4.00	1.06E-007	1.56E-004	4.00	14.44	0.00	0.00	0.00	22.04	15.00	68.78	2.58	0.30	6.11	115.07	0.00	1.00	4.04	0.00	68.78	3.83	78.07	0.50	16.33	N/A	N/A	N/A	N/A
169	1.69	1.06	17.94	4.00	1.05E-007	1.55E-004	4.00	14.44	0.00	0.00	0.00	22.06	15.00	68.77	2.56	0.30	6.11	115.13	0.00	1.00	4.02	0.00	68.77	3.84	78.22	0.50	16.33	N/A	N/A	N/A	N/A
170	1.70	1.04	18.29	4.00	9.38E-008	1.35E-004	4.00	14.16	0.00	0.00	0.00	22.11	15.00	67.42	2.50	0.30	5.99	115.20	0.00	1.00	3.87	0.00	67.42	3.99	79.66	0.57	16.35	N/A	N/A	N/A	N/A
171	1.71	1.03	18.35	4.00	8.93E-008	1.28E-004	4.00	14.02	0.00	0.00	0.00	22.08	15.00	66.74	2.46	0.30	5.93	115.12	0.00	1.00	3.82	0.00	66.74	4.05	80.11	0.58	16.35	N/A	N/A	N/A	N/A
172	1.72	0.98	18.76	4.00	6.92E-008	9.39E-005	4.00	13.31	0.00	0.00	0.00	21.98	15.00	63.40	2.32	0.30	5.63	114.82	0.00	1.00	3.55	0.00	63.40	4.40	82.65	0.58	16.35	N/A	N/A	N/A	N/A
173	1.73	0.96	18.92	4.00	6.23E-008	8.27E-005	4.00	13.03	0.00	0.00	0.00	21.93	15.00	62.05	2.26	0.30	5.51	114.68	0.00	1.00	3.44	0.00	62.05	4.55	83.67	0.58	16.35	N/A	N/A	N/A	N/A
174	1.74	0.92	19.01	4.00	5.13E-008	6.51E-005	4.00	12.47	0.00	0.00	0.00	21.72	15.00	59.37	2.15	0.30	5.27	114.18	0.00	1.00	3.28	0.00	59.37	4.85	85.18	0.58	16.34	N/A	N/A	N/A	N/A
175	1.75	0.91	18.98	4.00	4.90E-008	6.15E-005	4.00	12.33	0.00	0.00	0.00	21.64	15.00	58.69	2.11	0.30	5.21	114.00	0.00	1.00	3.25	0.00	58.69	4.92	85.44	0.58	16.34	N/A	N/A	N/A	N/A
176	1.76	0.90	18.73	4.00	4.77E-008	5.92E-005	4.00	12.18	0.00	0.00	0.00	21.47	15.00	58.02	2.07	0.30	5.15	113.60	0.00	1.00	3.25	0.00	58.02	4.96	85.15	0.58	16.32	N/A	N/A	N/A	N/A
177	1.77	0.90	18.04	4.00	5.08E-008	6.31E-005	4.00	12.18	0.00	0.00	0.00	21.16	15.00	58.01	2.06	0.30	5.15	112.94	0.00	1.00	3.38	0.00	58.01	4.86	83.43	0.58	16.27	N/A	N/A	N/A	N/A
178	1.78	0.90	17.72	4.00	5.24E-008	6.50E-005	4.00	12.18	0.00	0.00	0.00	21.01	15.00	57.99	2.05	0.30	5.15	112.62	0.00	1.00	3.44	0.00	57.99	4.81	82.63	0.58	16.25	N/A	N/A	N/A	N/A
179	1.79	0.90	17.12	4.00	5.55E-008	6.89E-005	4.00	12.18	0.00	0.00	0.00	20.74	15.00	57.98	2.04	0.30	5.15	112.02	0.00	1.00	3.56	0.00	57.98	4.72	81.10	0.58	16.21	N/A	N/A	N/A	N/A
180	1.80	0.91	16.93	4.00	5.93E-008	7.45E-005	4.00	12.31	0.00	0.00	0.00	20.71	15.00	58.64	2.05	0.30	5.21	111.98	0.00	1.00	3.64	0.00	58.64	4.63	80.30	0.58	16.21	N/A	N/A	N/A	N/A
181	1.81	0.91	16.62	4.00	6.12E-008	7.68E-005	4.00	12.31	0.00	0.00	0.00	20.57	15.00	58.63	2.04	0.30	5.21	111.66	0.00	1.00	3.70	0.00	58.63	4.58	79.51	0.56	16.18	N/A	N/A	N/A	N/A
182	1.82	0.93	15.61	4.00	7.47E-008	9.59E-005	4.00	12.59	0.00	0.00	0.00	20.21	15.00	59.95	2.07	0.30	5.32	110.89	0.00	1.00	4.03	0.00	59.95	4.30	76.26	0.43	16.12	N/A	N/A	N/A	N/A
183	1.83	0.94	14.76	4.00	8.58E-008	1.11E-004	4.00	12.73	0.00	0.00	0.00	19.85	15.00	60.60	2.08	0.30	5.38	110.10	0.00	1.00	4.31	0.00	60.60	4.11	73.71	0.35	16.06	N/A	N/A	N/A	N/A
184	1.84	0.95	14.19	4.00	9.58E-008	1.26E-004	4.00	12.86	0.00	0.00	0.00	19.62	15.00	61.26	2.09	0.30	5.44	109.60	0.00	1.00	4.53	0.00	61.26	3.96	71.89	0.30	16.02	N/A	N/A	N/A	N/A
185	1.85	0.95	12.93	4.00	1.11E-007	1.46E-004	4.00	12.86	0.00	0.00	0.00	18.96	15.00	61.25	2.08	0.30	5.44	108.12	0.00	1.00	4.97	0.00	61.25	3.77	68.45	0.22	15.91	N/A	N/A	N/A	N/A
186	1.86	0.94	12.49	4.00	1.12E-007	1.45E-004	4.00	12.72	0.00	0.00	0.00	18.67	15.00	60.57	2.05	0.30	5.38	107.44	0.00	1.00	5.09	0.00	60.57	3.76	67.50	0.21	15.87	N/A	N/A	N/A	N/A
187	1.87	0.94	11.63	4.00	1.25E-007	1.63E-004	4.00	12.72	0.00	0.00	0.00	18.20	15.00	60.56	2.04	0.30	5.38	106.35	0.00	1.00	5.47	0.00	60.56	3.63	65.06	0.17	15.79	N/A	N/A	N/A	N/A
188	1.88	0.93	11.10	4.00	1.29E-007	1.65E-004	4.00	12.58	0.00	0.00	0.00	17.85	15.00	59.88	2.00	0.30	5.32	105.51	0.00	1.00	5.66	0.00	59.88	3.60	63.79	0.15	15.73	N/A	N/A	N/A	N/A
189	1.89	0.95	10.47	4.00	1.54E-007	2.02E-004	4.00	12.85	0.00	0.00	0.00	17.59	15.00	61.21	2.04	0.30	5.44	104.94	0.00	1.00	6.14	0.00	61.21	3.39	61.44	0.13	15.67	N/A	N/A	N/A	N/A
190	1.90	0.95	10.34	5.00	1.57E-007	2.06E-004	4.00	12.85	23.00	31.41	16.68	17.51	0.00	0.00	0.00	0.30	0.00	104.76	-0.03	0.00	0.00	0.00	18.45	3.37	61.06	0.12	15.65	N/A	N/A	N/A	N/A
191	1.91	0.95	10.34	5.00	1.57E-007	2.05E-004	4.00	12.85	23.00	31.41	16.68	17.51	0.00	0.00	0.00	0.30	0.00	104.75	-0.03	0.00	0.00	0.00	18.55	3.37	61.06	0.12	15.65	N/A	N/A	N/A	N/A
192	1.92	0.95	10.34	5.00	1.57E-007	2.05E-004	4.00	12.85	23.00	31.41	16.68	17.51	0.00	0.00	0.00	0.30	0.00	104.75	-0.03	0.00	0.00	0.00	18.64	3.37	61.07	0.12	15.65	N/A	N/A	N/A	N/A
193	1.93	0.97	8.89	5.00	2.14E-007	2.87E-004	4.00	13.13	23.00	30.84	16.10	16.73	0.00	0.00	0.00	0.30	0.00	102.93	-0.02	0.00	0.00	0.00	18.33	3.04	56.27	0.08	15.49	N/A	N/A	N/A	N/A
194	1.94	0.97	8.99	5.00	2.11E-007	2.82E-004	4.00	13.13	23.00	30.88	16.15	16.79	0.00	0.00	0.00	0.30	0.00	103.08	-0.02	0.00	0.00	0.00	18.45	3.06	56.57	0.09	15.50	N/A	N/A	N/A	N/A
195	1.95	0.97	9.02	5.00	2.10E-007	2.81E-004	4.00	13.12	23.00	30.89	16.16	16.81	0.00	0.00	0.00	0.30	0.00	103.12	-0.02	0.00	0.00	0.00	18.55	3.06	56.67	0.09	15.51	N/A	N/A	N/A	N/A
196	1.96	0.97	9.27	5.00	2.01E-007	2.69E-004	4.00	13.12	23.00	30.98	16.28	16.96	0.00	0.00	0.00	0.30	0.00	103.49	-0.02	0.00	0.00	0.00	18.71	3.10	57.42	0.09	15.54	N/A	N/A	N/A	N/A
197	1.97	0.97	9.49	5.00	1.94E-007	2.60E-004	4.00	13.12	23.00	31.06	16.38	17.10	0.00	0.00	0.00	0.30	0.00	103.82	-0.02	0.00	0.00	0.00	18.86	3.14	58.09	0.10	15.56	N/A	N/A	N/A	N/A
198	1.98	0.97	10.03	5.00	1.79E-007	2.39E-004	4.00	13.12	23.00	31.25	16.63	17.43	0.00	0.00	0.00	0.30	0.00	104.59	-0.03	0.00	0.00	0.00	19.09	3.23	59.69	0.11	15.63	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
199	1.99	0.97	10.47	5.00	1.68E-007	2.24E-004	4.00	13.12	23.00	31.40	16.82	17.69	0.00	0.00	0.00	0.30	0.00	105.20	-0.03	0.00	0.00	0.00	19.30	3.30	60.98	0.12	15.68	N/A	N/A	N/A	N/A
200	2.00	0.98	11.48	4.00	1.52E-007	2.05E-004	4.00	13.25	0.00	0.00	0.00	18.32	15.00	63.11	1.99	0.30	5.61	106.69	0.00	1.00	5.77	0.00	63.11	3.41	63.64	0.15	15.79	N/A	N/A	N/A	N/A
201	2.01	0.99	11.82	4.00	1.52E-007	2.07E-004	4.00	13.39	0.00	0.00	0.00	18.56	15.00	63.76	2.00	0.30	5.66	107.27	0.00	1.00	5.66	0.00	63.76	3.41	64.35	0.16	15.82	N/A	N/A	N/A	N/A
202	2.02	0.99	12.11	4.00	1.46E-007	1.99E-004	4.00	13.39	0.00	0.00	0.00	18.72	15.00	63.75	1.99	0.30	5.66	107.64	0.00	1.00	5.53	0.00	63.75	3.45	65.17	0.17	15.85	N/A	N/A	N/A	N/A
203	2.03	0.99	12.83	4.00	1.33E-007	1.82E-004	4.00	13.39	0.00	0.00	0.00	19.11	15.00	63.74	1.98	0.30	5.66	108.53	0.00	1.00	5.22	0.00	63.74	3.56	67.16	0.20	15.92	N/A	N/A	N/A	N/A
204	2.04	1.00	13.15	4.00	1.34E-007	1.84E-004	4.00	13.52	0.00	0.00	0.00	19.34	15.00	64.40	1.99	0.30	5.72	109.05	0.00	1.00	5.14	0.00	64.40	3.55	67.77	0.21	15.95	N/A	N/A	N/A	N/A
205	2.05	1.01	13.81	4.00	1.29E-007	1.79E-004	4.00	13.66	0.00	0.00	0.00	19.73	15.00	65.06	2.00	0.30	5.78	109.96	0.00	1.00	4.95	0.00	65.06	3.60	69.29	0.24	16.01	N/A	N/A	N/A	N/A
206	2.06	1.04	14.63	4.00	1.33E-007	1.91E-004	4.00	14.08	0.00	0.00	0.00	20.32	15.00	67.05	2.05	0.30	5.96	111.30	0.00	1.00	4.81	0.00	67.05	3.56	70.64	0.27	16.09	N/A	N/A	N/A	N/A
207	2.07	1.08	15.54	4.00	1.42E-007	2.12E-004	4.00	14.64	0.00	0.00	0.00	20.99	15.00	69.70	2.12	0.30	6.19	112.83	0.00	1.00	4.71	0.00	69.70	3.48	71.90	0.30	16.17	N/A	N/A	N/A	N/A
208	2.08	1.15	16.02	5.00	1.77E-007	2.82E-004	4.00	15.62	25.00	32.47	19.83	21.59	0.00	0.00	0.00	0.30	0.00	114.22	-0.05	0.00	0.00	0.00	21.04	3.24	71.30	0.28	16.23	N/A	N/A	N/A	N/A
209	2.09	1.18	16.17	5.00	1.95E-007	3.18E-004	4.00	16.03	25.00	32.44	20.01	21.81	0.00	0.00	0.00	0.30	0.00	114.74	-0.05	0.00	0.00	0.00	21.12	3.14	70.93	0.28	16.25	N/A	N/A	N/A	N/A
210	2.10	1.21	16.68	5.00	2.06E-007	3.46E-004	5.00	16.45	26.00	32.49	20.32	22.21	0.00	0.00	0.00	0.30	0.00	115.63	-0.05	0.00	0.00	0.00	21.26	3.08	71.43	0.29	16.30	N/A	N/A	N/A	N/A
211	2.11	1.22	16.93	5.00	2.08E-007	3.52E-004	5.00	16.59	26.00	32.52	20.45	22.39	0.00	0.00	0.00	0.30	0.00	116.01	-0.05	0.00	0.00	0.00	21.39	3.07	71.79	0.30	16.32	N/A	N/A	N/A	N/A
212	2.12	1.23	17.06	5.00	2.13E-007	3.63E-004	5.00	16.73	26.00	32.53	20.54	22.50	0.00	0.00	0.00	0.30	0.00	116.26	-0.05	0.00	0.00	0.00	21.50	3.05	71.86	0.30	16.33	N/A	N/A	N/A	N/A
213	2.13	1.24	16.87	5.00	2.25E-007	3.86E-004	5.00	16.86	26.00	32.46	20.51	22.45	0.00	0.00	0.00	0.30	0.00	116.17	-0.05	0.00	0.00	0.00	21.55	2.99	71.19	0.28	16.32	N/A	N/A	N/A	N/A
214	2.14	1.24	16.77	5.00	2.27E-007	3.90E-004	5.00	16.86	26.00	32.44	20.48	22.40	0.00	0.00	0.00	0.30	0.00	116.07	-0.05	0.00	0.00	0.00	21.64	2.98	70.96	0.28	16.31	N/A	N/A	N/A	N/A
215	2.15	1.26	16.49	5.00	2.50E-007	4.36E-004	5.00	17.14	26.00	32.33	20.45	22.36	0.00	0.00	0.00	0.30	0.00	116.00	-0.05	0.00	0.00	0.00	21.65	2.89	69.88	0.25	16.30	N/A	N/A	N/A	N/A
216	2.16	1.27	16.40	5.00	2.61E-007	4.59E-004	5.00	17.28	26.00	32.29	20.46	22.36	0.00	0.00	0.00	0.30	0.00	116.02	-0.05	0.00	0.00	0.00	21.72	2.85	69.46	0.24	16.30	N/A	N/A	N/A	N/A
217	2.17	1.27	16.46	5.00	2.59E-007	4.56E-004	5.00	17.28	26.00	32.31	20.48	22.39	0.00	0.00	0.00	0.30	0.00	116.08	-0.05	0.00	0.00	0.00	21.83	2.86	69.60	0.25	16.30	N/A	N/A	N/A	N/A
218	2.18	1.27	16.36	5.00	2.61E-007	4.60E-004	5.00	17.27	26.00	32.28	20.44	22.34	0.00	0.00	0.00	0.30	0.00	115.97	-0.05	0.00	0.00	0.00	21.92	2.85	69.38	0.24	16.29	N/A	N/A	N/A	N/A
219	2.19	1.27	16.33	5.00	2.62E-007	4.61E-004	5.00	17.27	26.00	32.28	20.43	22.32	0.00	0.00	0.00	0.30	0.00	115.94	-0.05	0.00	0.00	0.00	22.02	2.85	69.31	0.24	16.29	N/A	N/A	N/A	N/A
220	2.20	1.27	16.43	5.00	2.59E-007	4.56E-004	5.00	17.27	26.00	32.30	20.47	22.37	0.00	0.00	0.00	0.30	0.00	116.04	-0.05	0.00	0.00	0.00	22.14	2.86	69.54	0.25	16.30	N/A	N/A	N/A	N/A
221	2.21	1.26	16.52	5.00	2.48E-007	4.33E-004	5.00	17.13	26.00	32.34	20.46	22.37	0.00	0.00	0.00	0.30	0.00	116.02	-0.05	0.00	0.00	0.00	22.28	2.90	69.97	0.25	16.30	N/A	N/A	N/A	N/A
222	2.22	1.26	16.65	5.00	2.45E-007	4.27E-004	5.00	17.12	26.00	32.37	20.51	22.43	0.00	0.00	0.00	0.30	0.00	116.16	-0.05	0.00	0.00	0.00	22.41	2.91	70.27	0.26	16.31	N/A	N/A	N/A	N/A
223	2.23	1.24	16.87	5.00	2.23E-007	3.83E-004	5.00	16.84	26.00	32.47	20.51	22.45	0.00	0.00	0.00	0.30	0.00	116.16	-0.05	0.00	0.00	0.00	22.59	3.00	71.23	0.28	16.32	N/A	N/A	N/A	N/A
224	2.24	1.24	17.12	5.00	2.18E-007	3.74E-004	5.00	16.84	26.00	32.52	20.60	22.57	0.00	0.00	0.00	0.30	0.00	116.41	-0.05	0.00	0.00	0.00	22.74	3.02	71.81	0.30	16.34	N/A	N/A	N/A	N/A
225	2.25	1.24	17.18	5.00	2.16E-007	3.71E-004	5.00	16.84	26.00	32.54	20.62	22.60	0.00	0.00	0.00	0.30	0.00	116.47	-0.05	0.00	0.00	0.00	22.86	3.03	71.95	0.30	16.34	N/A	N/A	N/A	N/A
226	2.26	1.24	17.34	5.00	2.13E-007	3.65E-004	5.00	16.83	26.00	32.57	20.68	22.67	0.00	0.00	0.00	0.30	0.00	116.63	-0.05	0.00	0.00	0.00	23.00	3.05	72.32	0.31	16.35	N/A	N/A	N/A	N/A
227	2.27	1.24	17.63	5.00	2.07E-007	3.55E-004	5.00	16.83	26.00	32.63	20.78	22.81	0.00	0.00	0.00	0.30	0.00	116.92	-0.05	0.00	0.00	0.00	23.16	3.08	72.99	0.33	16.37	N/A	N/A	N/A	N/A
228	2.28	1.24	18.29	5.00	1.94E-007	3.34E-004	5.00	16.83	26.00	32.78	21.01	23.13	0.00	0.00	0.00	0.30	0.00	117.58	-0.06	0.00	0.00	0.00	23.39	3.14	74.50	0.37	16.41	N/A	N/A	N/A	N/A
229	2.29	1.24	18.54	5.00	1.90E-007	3.26E-004	5.00	16.83	26.00	32.83	21.10	23.25	0.00	0.00	0.00	0.30	0.00	117.82	-0.06	0.00	0.00	0.00	23.54	3.16	75.07	0.39	16.43	N/A	N/A	N/A	N/A
230	2.30	1.25	18.85	5.00	1.91E-007	3.31E-004	5.00	16.97	26.00	32.87	21.25	23.44	0.00	0.00	0.00	0.30	0.00	118.24	-0.06	0.00	0.00	0.00	23.69	3.16	75.53	0.40	16.45	N/A	N/A	N/A	N/A
231	2.31	1.24	19.04	4.00	1.81E-007	3.11E-004	5.00	16.82	0.00	0.00	0.00	23.48	15.00	80.11	2.18	0.30	7.12	118.30	0.00	1.00	4.42	0.00	80.11	3.21	76.21	0.43	16.46	N/A	N/A	N/A	N/A
232	2.32	1.26	19.14	5.00	1.93E-007	3.36E-004	5.00	17.10	26.00	32.91	21.39	23.63	0.00	0.00	0.00	0.30	0.00	118.63	-0.06	0.00	0.00	0.00	23.93	3.15	75.95	0.42	16.47	N/A	N/A	N/A	N/A
233	2.33	1.29	19.36	5.00	2.09E-007	3.73E-004	5.00	17.52	27.00	32.89	21.59	23.88	0.00	0.00	0.00	0.30	0.00	119.17	-0.06	0.00	0.00	0.00	24.02	3.07	75.72	0.41	16.49	N/A	N/A	N/A	N/A
234	2.34	1.32	19.42	5.00	2.30E-007	4.20E-004	5.00	17.94	27.00	32.83	21.73	24.05	0.00	0.00	0.00	0.30	0.00	119.56	-0.06	0.00	0.00	0.00	24.08	2.97	75.15	0.39	16.51	N/A	N/A	N/A	N/A
235	2.35	1.35	19.39	5.00	2.54E-007	4.75E-004	5.00	18.35	27.00	32.77	21.84	24.18	0.00	0.00	0.00	0.30	0.00	119.86	-0.06	0.00	0.00	0.00	24.12	2.88	74.42	0.37	16.51	N/A	N/A	N/A	N/A
236	2.36	1.43	19.08	5.00	3.35E-007	6.65E-004	5.00	19.47	28.00	32.55	22.03	24.41	0.00	0.00	0.00	0.30	0.00	120.40	-0.05	0.00	0.00	0.00	24.03	2.63	72.14	0.30	16.52	N/A	N/A	N/A	N/A
237	2.37	1.47	19.26	5.00	3.71E-007	7.58E-004	5.00	20.03	28.00	32.52	22.25	24.67	0.00	0.00	0.00	0.30	0.00	120.98	-0.05	0.00	0.00	0.00	24.10	2.54	71.78	0.29	16.54	N/A	N/A	N/A	N/A
238	2.38	1.57	19.30	5.00	4.92E-007	1.07E-003	5.00	21.43	29.00	32.37	22.62	25.13	0.00	0.00	0.00	0.30	0.00	121.99	-0.05	0.00	0.00	0.00	24.07	2.33	70.24	0.26	16.57	N/A	N/A	N/A	N/A
239	2.39	1.62	19.45	5.00	5.56E-007	1.25E-003	6.00	22.13	30.00	32.33	22.85	25.41	0.00	0.00	0.00	0.30	0.00	122.60	-0.05	0.00	0.00	0.00	24.14	2.24	69.84	0.25	16.59	N/A	N/A	N/A	N/A
240	2.40	1.65	19.58	5.00	5.94E-007	1.37E-003	6.00	22.54	30.00	32.32	22.99	25.60	0.00	0.00	0.00	0.30	0.00	123.00	-0.05	0.00	0.00	0.00	24.23	2.19	69.70	0.25	16.60	N/A	N/A	N/A	N/A
241	2.41	1.70	20.02	5.00	6.51E-007	1.54E-003	6.00	23.24	31.00	32.34	23.32	26.02	0.00	0.00	0.00	0.30	0.00	123.86	-0.05	0.00	0.00	0.00	24.36	2.13	69.91	0.25	16.64	N/A	N/A	N/A	N/A
242	2.42	1.71	20.43	5.00	6.45E-007	1.54E-003	6.00	23.38	31.00	32.40	23.50	26.26	0.00	0.00	0.00	0.30	0.00	124.34	-0.05	0.00	0.00	0.00	24.52	2.14	70.52	0.27	16.66	N/A	N/A	N/A	N/A
243	2.43	1.73	21.76	5.00	6.09E-007	1.47E-003	6.00	23.66	31.00	32.60	24.02	26.97	0.00	0.00	0.00	0.30	0.00	125.72	-0.05	0.00	0.00	0.00	24.82	2.18	72.61	0.32	16.74	N/A	N/A	N/A	N/A
244	2.44	1.73	22.67	5.00	5.67E-007	1.37E-003	6.00	23.65	31.00	32.75	24.33	27.40	0.00	0.00	0.00	0.30	0.00	126.53	-0.06	0.00	0.00	0.00	25.07	2.22	74.19	0.36	16.79	N/A	N/A	N/A	N/A
245	2.45	1.70	23.96	5.00	4.77E-007	1.13E-003	6.00	23.23	31.00	32.99	24.66	27.86	0.00	0.00	0.00	0.30	0.00	127.37	-0.06	0.00	0.00	0.00	25.41	2.35	76.87	0.45	16.84	N/A	N/A	N/A	N/A
246	2.46	1.70	24.94	5.00	4.45E-007	1.05E-003	6.00	23.23	31.00	33.14	24.97	28.29	0.00	0.00	0.00	0.30	0.00	128.18	-0.07	0.00	0.00	0.00	25.67	2.40	78.60	0.52	16.89	N/A	N/A	N/A	N/A
247	2.47	1.69	25.95	5.00	4.04E-007	9.50E-004	6.00	23.09	30.00	33.31	25.26	28.69	0.00	0.00	0.00	0.30	0.00	128.91	-0.07	0.00	0.00	0.00	25.95	2.47	80.55	0.61	16.93	N/A	N/A	N/A	N/A
248	2.48	1.69	27.84	5.00	3.56E-007	8.37E-004	6.00	23.08	30.00	33.59	25.84	29.49	0.00	0.00	0.00	0.30	0.00	130.39	-0.07	0.00	0.00	0.00	26.34	2.58	83.88	0.66	17.02	N/A	N/A	N/A	N/A
249	2.49	1.69	28.57	5.00	3.39E-007	7.98E-004	6.00	23.08	30.00	33.69	26.06	29.79	0.00	0.00	0.00	0.30	0.00	130.94	-0.08	0.00	0.00	0.00	26.55	2.62	85.16	0.67	17.05	N/A	N/A	N/A	N/A
250	2.50	1.68	29.83	5.00	3.05E-007	7.14E-004	6.00	22.94	30.00	33.89	26.40	30.26	0.00	0.00	0.00	0.30	0.00	131.78	-0.08	0.00	0.00	0.00	26.86	2.71	87.57	0.67	17.09	N/A	N/A	N/A	N/A
251	2.51	1.68	30.39	5.00	2.95E-007	6.90E-004	6.00	22.94	30.00	33.96	26.56	30.48	0.00	0.00	0.00	0.30	0.00	132.19	-0.08	0.00	0.00	0.00	27.05	2.74	88.55	0.67	17.11	N/A	N/A	N/A	N/A
252	2.52	1.67	31.09	5.00	2.75E-007	6.40E-004	6.00	22.80	30.00	34.07	26.72	30.71	0.00	0.00	0.00	0.30	0.00	132.60	-0.08	0.00	0.00	0.00	27.28	2.80	89.99	0.68	17.14	N/A	N/A	N/A	N/A
253	2.53	1.67	32.26	5.00	2.57E-007	5.97E-004	6.00	22.79	30.00	34.23	27.05	31.17	0.00	0.00	0.00	0.30	0.00	133.42	-0.09	0.00	0.00	0.00	27.56	2.86	92.04	0.68	17.18	N/A	N/A	N/A	N/A
254	2.54	1.67	32.57	5.00	2.52E-007	5.87E-004	6.00	22.79	30.00	34.27	27.14	31.29	0.00	0.00	0.00	0.30	0.00	133.63	-0.09	0.00	0.00	0.00	27.72	2.88	92.58	0.68	17.19	N/A	N/A	N/A	N/A
255	2.55	1.67	32.92	5.00	2.47E-007	5.75E-004	6.00	22.79	30.00	34.31	27.24	31.43	0.00	0.00	0.00	0.30	0.00	133.87	-0.09	0.00	0.00	0.00	27.88	2.90	93.19	0.68	17.20	N/A	N/A	N/A	N/A
256	2.56	1.67	33.36	5.00	2.41E-007	5.60E-004	6.00	22.79	30.00	34.37	27.36	31.60	0.00	0.00	0.00	0.30	0.00	134.17	-0.09	0.00	0.00	0.00	28.06	2.92	93.96	0.68	17.22	N/A	N/A	N/A	N/A
257	2.57	1.67	33.36	5.00	2.41E-007	5.60E-004	6.00	22.78	30.00	34.37	27.36	31.60	0.00	0.00	0.00	0.30	0.00	134.17	-0.09	0.00	0.00	0.00	28.18	2.93	93.96	0.68	17.22	N/A	N/A	N/A	N/A
258	2.58	1.68	33.23	5.00	2.49E-007	5.82E-004	6.00	22.92	30.00	34.34	27.36	31.59	0.00	0.00	0.00	0.30	0.00	134.17	-0.09	0.00	0.00	0.00	28.26	2.89	93.51	0.68	17.22	N/A	N/A	N/A	N/A
259	2.59	1.70	33.39	5.00	2.60E-007	6.15E-004	6.00	23.20	31.00	34.33	27.48	31.75	0.00	0.00	0.00	0.30	0.00	134.47	-0.09	0.00	0.00	0.00	28.36	2.85	93.34	0.68	17.23	N/A	N/A	N/A	N/A
260	2.60	1.71	33.33	5.00	2.68E-007	6.36E-004	6.00	23.34	31.00	34.30	27.50	31.77	0.00	0.00	0.00	0.30	0.00	134.52	-0.09	0.00	0.00	0.00	28.46	2.83	93.01	0.68	17.23	N/A	N/A	N/A	N/A
261	2.61	1.73	32.54	5.00	2.94E-007	7.08E-004	6.00	23.61	31.00	34.17	27.35	31.56	0.00	0.00	0.00	0.30	0.00	134.15	-0.09	0.00	0.00	0.00	28.43	2.74	91.24	0.68	17.20	N/A	N/A	N/A	N/A
262	2.62	1.74	32.03	5.00	3.11E-007	7.52E-004	6.00	23.75	31.00	34.09	27.24	31.41	0.00	0.00	0.00	0.30	0.00	133.89	-0.09	0.00	0.00	0.00	28.46	2.69	90.17	0.68	17.19	N/A	N/A	N/A	N/A
263	2.63	1.73	31.12	5.00	3.19E-007	7.68E-004	6.00	23.61	31.00	33.98	26.95	31.00	0.00	0.00	0.00	0.30	0.00	133.15	-0.08	0.00	0.00	0.00	28.47	2.67	88.83	0.67	17.15	N/A	N/A	N/A	N/A
264	2.64	1.73	30.55	5.00	3.30E-007	7.95E-004	6.00	23.61	31.00	33.91	26.78	30.77	0.00	0.00	0.00	0.30	0.00	132.74	-0.08	0.00	0.00	0.00	28.50	2.64	87.85	0.67	17.13	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
265	2.65	1.72	30.17	5.00	3.29E-007	7.88E-004	6.00	23.46	31.00	33.87	26.63	30.57	0.00	0.00	0.00	0.30	0.00	132.37	-0.08	0.00	0.00	0.00	28.58	2.64	87.40	0.67	17.11	N/A	N/A	N/A	N/A
266	2.66	1.70	29.42	5.00	3.27E-007	7.74E-004	6.00	23.18	31.00	33.80	26.34	30.17	0.00	0.00	0.00	0.30	0.00	131.64	-0.08	0.00	0.00	0.00	28.62	2.65	86.51	0.67	17.08	N/A	N/A	N/A	N/A
267	2.67	1.69	29.01	5.00	3.25E-007	7.64E-004	6.00	23.04	30.00	33.76	26.21	29.99	0.00	0.00	0.00	0.30	0.00	131.32	-0.08	0.00	0.00	0.00	28.68	2.65	85.94	0.67	17.06	N/A	N/A	N/A	N/A
268	2.68	1.69	28.91	5.00	3.25E-007	7.62E-004	6.00	23.04	30.00	33.74	26.21	29.99	0.00	0.00	0.00	0.30	0.00	131.33	-0.08	0.00	0.00	0.00	28.78	2.65	85.72	0.67	17.06	N/A	N/A	N/A	N/A
269	2.69	1.68	28.63	5.00	3.20E-007	7.47E-004	6.00	22.89	30.00	33.71	26.12	29.86	0.00	0.00	0.00	0.30	0.00	131.10	-0.08	0.00	0.00	0.00	28.86	2.67	85.39	0.67	17.05	N/A	N/A	N/A	N/A
270	2.70	1.69	28.63	5.00	3.25E-007	7.64E-004	6.00	23.03	30.00	33.69	26.20	29.96	0.00	0.00	0.00	0.30	0.00	131.30	-0.08	0.00	0.00	0.00	28.95	2.65	85.12	0.67	17.05	N/A	N/A	N/A	N/A
271	2.71	1.71	28.72	5.00	3.37E-007	8.00E-004	6.00	23.31	30.00	33.67	26.35	30.15	0.00	0.00	0.00	0.30	0.00	131.68	-0.08	0.00	0.00	0.00	29.04	2.62	84.81	0.67	17.06	N/A	N/A	N/A	N/A
272	2.72	1.73	28.69	5.00	3.50E-007	8.43E-004	6.00	23.59	30.00	33.63	26.47	30.29	0.00	0.00	0.00	0.30	0.00	131.98	-0.08	0.00	0.00	0.00	29.10	2.59	84.30	0.67	17.06	N/A	N/A	N/A	N/A
273	2.73	1.73	28.63	5.00	3.49E-007	8.39E-004	6.00	23.58	30.00	33.61	26.49	30.30	0.00	0.00	0.00	0.30	0.00	132.01	-0.08	0.00	0.00	0.00	29.20	2.59	84.15	0.66	17.06	N/A	N/A	N/A	N/A
274	2.74	1.72	28.38	5.00	3.44E-007	8.22E-004	6.00	23.44	30.00	33.59	26.40	30.18	0.00	0.00	0.00	0.30	0.00	131.80	-0.07	0.00	0.00	0.00	29.29	2.61	83.87	0.66	17.04	N/A	N/A	N/A	N/A
275	2.75	1.71	28.12	5.00	3.39E-007	8.04E-004	6.00	23.30	30.00	33.57	26.31	30.06	0.00	0.00	0.00	0.30	0.00	131.57	-0.07	0.00	0.00	0.00	29.38	2.62	83.57	0.66	17.03	N/A	N/A	N/A	N/A
276	2.76	1.68	28.00	5.00	3.16E-007	7.37E-004	6.00	22.88	30.00	33.60	26.16	29.86	0.00	0.00	0.00	0.30	0.00	131.20	-0.07	0.00	0.00	0.00	29.53	2.68	83.94	0.66	17.02	N/A	N/A	N/A	N/A
277	2.77	1.68	28.03	5.00	3.13E-007	7.30E-004	6.00	22.88	30.00	33.60	26.20	29.91	0.00	0.00	0.00	0.30	0.00	131.30	-0.07	0.00	0.00	0.00	29.64	2.69	83.95	0.66	17.02	N/A	N/A	N/A	N/A
278	2.78	1.67	28.00	5.00	3.04E-007	7.05E-004	6.00	22.73	30.00	33.61	26.17	29.87	0.00	0.00	0.00	0.30	0.00	131.23	-0.08	0.00	0.00	0.00	29.76	2.71	84.07	0.66	17.02	N/A	N/A	N/A	N/A
279	2.79	1.66	28.19	5.00	2.92E-007	6.72E-004	6.00	22.59	30.00	33.65	26.21	29.92	0.00	0.00	0.00	0.30	0.00	131.31	-0.08	0.00	0.00	0.00	29.92	2.75	84.59	0.67	17.02	N/A	N/A	N/A	N/A
280	2.80	1.65	28.19	5.00	2.83E-007	6.47E-004	6.00	22.45	30.00	33.66	26.19	29.89	0.00	0.00	0.00	0.30	0.00	131.26	-0.08	0.00	0.00	0.00	30.05	2.78	84.77	0.67	17.02	N/A	N/A	N/A	N/A
281	2.81	1.62	28.12	5.00	2.62E-007	5.89E-004	6.00	22.03	29.00	33.71	26.05	29.72	0.00	0.00	0.00	0.30	0.00	130.92	-0.08	0.00	0.00	0.00	30.22	2.85	85.28	0.67	17.01	N/A	N/A	N/A	N/A
282	2.82	1.60	27.97	5.00	2.50E-007	5.55E-004	6.00	21.74	29.00	33.72	25.94	29.57	0.00	0.00	0.00	0.30	0.00	130.63	-0.08	0.00	0.00	0.00	30.34	2.89	85.43	0.67	17.00	N/A	N/A	N/A	N/A
283	2.83	1.59	27.65	5.00	2.47E-007	5.44E-004	6.00	21.60	29.00	33.68	25.83	29.42	0.00	0.00	0.00	0.30	0.00	130.36	-0.08	0.00	0.00	0.00	30.42	2.90	85.03	0.67	16.98	N/A	N/A	N/A	N/A
284	2.84	1.59	27.08	5.00	2.54E-007	5.59E-004	6.00	21.60	29.00	33.60	25.70	29.23	0.00	0.00	0.00	0.30	0.00	130.03	-0.07	0.00	0.00	0.00	30.43	2.88	83.93	0.66	16.96	N/A	N/A	N/A	N/A
285	2.85	1.59	26.71	5.00	2.58E-007	5.67E-004	6.00	21.60	29.00	33.54	25.62	29.12	0.00	0.00	0.00	0.30	0.00	129.85	-0.07	0.00	0.00	0.00	30.47	2.86	83.20	0.66	16.94	N/A	N/A	N/A	N/A
286	2.86	1.59	26.17	5.00	2.64E-007	5.82E-004	6.00	21.59	29.00	33.45	25.50	28.94	0.00	0.00	0.00	0.30	0.00	129.53	-0.07	0.00	0.00	0.00	30.48	2.84	82.16	0.66	16.92	N/A	N/A	N/A	N/A
287	2.87	1.59	25.92	5.00	2.67E-007	5.87E-004	6.00	21.59	29.00	33.41	25.46	28.87	0.00	0.00	0.00	0.30	0.00	129.42	-0.07	0.00	0.00	0.00	30.54	2.83	81.65	0.66	16.91	N/A	N/A	N/A	N/A
288	2.88	1.58	25.89	5.00	2.59E-007	5.66E-004	6.00	21.45	29.00	33.42	25.43	28.83	0.00	0.00	0.00	0.30	0.00	129.35	-0.07	0.00	0.00	0.00	30.67	2.86	81.78	0.66	16.91	N/A	N/A	N/A	N/A
289	2.89	1.58	25.57	5.00	2.62E-007	5.73E-004	6.00	21.45	29.00	33.36	25.37	28.74	0.00	0.00	0.00	0.30	0.00	129.19	-0.07	0.00	0.00	0.00	30.72	2.85	81.14	0.64	16.89	N/A	N/A	N/A	N/A
290	2.90	1.58	25.19	5.00	2.67E-007	5.83E-004	6.00	21.44	28.00	33.30	25.28	28.62	0.00	0.00	0.00	0.30	0.00	128.98	-0.07	0.00	0.00	0.00	30.75	2.83	80.39	0.60	16.87	N/A	N/A	N/A	N/A
291	2.91	1.58	25.19	5.00	2.65E-007	5.79E-004	6.00	21.44	28.00	33.30	25.31	28.65	0.00	0.00	0.00	0.30	0.00	129.05	-0.07	0.00	0.00	0.00	30.86	2.84	80.36	0.60	16.87	N/A	N/A	N/A	N/A
292	2.92	1.58	25.19	5.00	2.63E-007	5.74E-004	6.00	21.44	28.00	33.29	25.35	28.69	0.00	0.00	0.00	0.30	0.00	129.15	-0.07	0.00	0.00	0.00	30.97	2.84	80.31	0.60	16.87	N/A	N/A	N/A	N/A
293	2.93	1.64	21.22	5.00	3.95E-007	8.97E-004	6.00	22.28	29.00	32.51	24.46	27.39	0.00	0.00	0.00	0.30	0.00	126.87	-0.05	0.00	0.00	0.00	30.16	2.49	71.66	0.29	16.69	N/A	N/A	N/A	N/A
294	2.94	1.67	21.16	5.00	4.23E-007	9.79E-004	6.00	22.69	29.00	32.45	24.61	27.56	0.00	0.00	0.00	0.30	0.00	127.25	-0.05	0.00	0.00	0.00	30.19	2.44	71.02	0.28	16.70	N/A	N/A	N/A	N/A
295	2.95	1.70	20.72	5.00	4.66E-007	1.10E-003	6.00	23.11	29.00	32.32	24.64	27.56	0.00	0.00	0.00	0.30	0.00	127.32	-0.05	0.00	0.00	0.00	30.15	2.37	69.72	0.25	16.68	N/A	N/A	N/A	N/A
296	2.96	1.72	20.75	5.00	4.83E-007	1.15E-003	6.00	23.39	29.00	32.29	24.77	27.71	0.00	0.00	0.00	0.30	0.00	127.65	-0.05	0.00	0.00	0.00	30.22	2.34	69.45	0.24	16.68	N/A	N/A	N/A	N/A
297	2.97	1.74	20.56	5.00	5.10E-007	1.23E-003	6.00	23.67	29.00	32.23	24.82	27.76	0.00	0.00	0.00	0.30	0.00	127.79	-0.05	0.00	0.00	0.00	30.25	2.30	68.79	0.23	16.68	N/A	N/A	N/A	N/A
298	2.98	1.78	20.68	5.00	5.49E-007	1.35E-003	6.00	24.22	29.00	32.19	25.07	28.07	0.00	0.00	0.00	0.30	0.00	128.43	-0.05	0.00	0.00	0.00	30.32	2.25	68.43	0.22	16.69	N/A	N/A	N/A	N/A
299	2.99	1.79	20.72	5.00	5.56E-007	1.38E-003	6.00	24.36	30.00	32.18	25.15	28.17	0.00	0.00	0.00	0.30	0.00	128.65	-0.05	0.00	0.00	0.00	30.41	2.24	68.34	0.22	16.70	N/A	N/A	N/A	N/A
300	3.00	1.83	21.12	5.00	5.85E-007	1.49E-003	6.00	24.92	30.00	32.20	25.49	28.60	0.00	0.00	0.00	0.30	0.00	129.51	-0.05	0.00	0.00	0.00	30.53	2.20	68.49	0.22	16.73	N/A	N/A	N/A	N/A
301	3.01	1.85	21.31	5.00	5.98E-007	1.54E-003	6.00	25.20	30.00	32.20	25.67	28.82	0.00	0.00	0.00	0.30	0.00	129.96	-0.05	0.00	0.00	0.00	30.64	2.19	68.53	0.23	16.74	N/A	N/A	N/A	N/A
302	3.02	1.92	22.35	5.00	6.40E-007	1.71E-003	6.00	26.18	30.00	32.29	26.34	29.70	0.00	0.00	0.00	0.30	0.00	131.65	-0.05	0.00	0.00	0.00	30.85	2.14	69.39	0.24	16.81	N/A	N/A	N/A	N/A
303	3.03	1.92	22.35	5.00	6.36E-007	1.70E-003	6.00	26.17	30.00	32.28	26.37	29.73	0.00	0.00	0.00	0.30	0.00	131.72	-0.05	0.00	0.00	0.00	30.95	2.15	69.35	0.24	16.81	N/A	N/A	N/A	N/A
304	3.04	2.06	23.71	5.00	7.62E-007	2.18E-003	7.00	28.13	31.00	32.35	27.43	31.11	0.00	0.00	0.00	0.30	0.00	134.35	-0.05	0.00	0.00	0.00	31.14	2.04	69.99	0.25	16.91	N/A	N/A	N/A	N/A
305	3.05	2.10	24.47	5.00	7.78E-007	2.27E-003	7.00	28.69	32.00	32.42	27.87	31.69	0.00	0.00	0.00	0.30	0.00	135.42	-0.05	0.00	0.00	0.00	31.33	2.02	70.70	0.27	16.95	N/A	N/A	N/A	N/A
306	3.06	2.13	25.03	5.00	7.89E-007	2.34E-003	7.00	29.11	32.00	32.46	28.20	32.12	0.00	0.00	0.00	0.30	0.00	136.22	-0.05	0.00	0.00	0.00	31.50	2.02	71.21	0.28	16.98	N/A	N/A	N/A	N/A
307	3.07	2.17	26.80	5.00	7.59E-007	2.29E-003	7.00	29.66	32.00	32.67	28.95	33.14	0.00	0.00	0.00	0.30	0.00	138.02	-0.06	0.00	0.00	0.00	31.85	2.04	73.34	0.34	17.07	N/A	N/A	N/A	N/A
308	3.08	2.17	27.46	5.00	7.26E-007	2.19E-003	7.00	29.66	32.00	32.75	29.18	33.46	0.00	0.00	0.00	0.30	0.00	138.57	-0.06	0.00	0.00	0.00	32.06	2.07	74.23	0.36	17.10	N/A	N/A	N/A	N/A
309	3.09	2.18	28.25	5.00	7.02E-007	2.13E-003	7.00	29.80	32.00	32.84	29.49	33.89	0.00	0.00	0.00	0.30	0.00	139.30	-0.06	0.00	0.00	0.00	32.28	2.09	75.21	0.39	17.13	N/A	N/A	N/A	N/A
310	3.10	2.18	29.67	5.00	6.45E-007	1.96E-003	7.00	29.80	32.00	33.02	29.95	34.52	0.00	0.00	0.00	0.30	0.00	140.37	-0.06	0.00	0.00	0.00	32.62	2.14	77.18	0.46	17.19	N/A	N/A	N/A	N/A
311	3.11	2.17	30.27	5.00	6.09E-007	1.84E-003	7.00	29.65	32.00	33.10	30.11	34.75	0.00	0.00	0.00	0.30	0.00	140.76	-0.06	0.00	0.00	0.00	32.83	2.18	78.10	0.50	17.21	N/A	N/A	N/A	N/A
312	3.12	2.13	31.50	5.00	5.27E-007	1.56E-003	7.00	29.09	32.00	33.29	30.33	35.08	0.00	0.00	0.00	0.30	0.00	141.26	-0.07	0.00	0.00	0.00	33.19	2.28	80.34	0.60	17.25	N/A	N/A	N/A	N/A
313	3.13	2.11	32.29	5.00	4.84E-007	1.42E-003	7.00	28.81	32.00	33.41	30.49	35.32	0.00	0.00	0.00	0.30	0.00	141.65	-0.07	0.00	0.00	0.00	33.45	2.34	81.73	0.66	17.27	N/A	N/A	N/A	N/A
314	3.14	2.10	32.44	5.00	4.69E-007	1.37E-003	7.00	28.67	32.00	33.44	30.52	35.37	0.00	0.00	0.00	0.30	0.00	141.72	-0.07	0.00	0.00	0.00	33.60	2.36	82.05	0.66	17.27	N/A	N/A	N/A	N/A
315	3.15	2.09	33.14	5.00	4.41E-007	1.28E-003	7.00	28.53	31.00	33.53	30.71	35.62	0.00	0.00	0.00	0.30	0.00	142.14	-0.07	0.00	0.00	0.00	33.83	2.41	83.19	0.66	17.30	N/A	N/A	N/A	N/A
316	3.16	2.09	33.64	5.00	4.28E-007	1.24E-003	7.00	28.52	31.00	33.59	30.88	35.86	0.00	0.00	0.00	0.30	0.00	142.54	-0.07	0.00	0.00	0.00	34.02	2.43	83.88	0.66	17.31	N/A	N/A	N/A	N/A
317	3.17	2.10	34.12	5.00	4.23E-007	1.24E-003	7.00	28.66	31.00	33.63	31.09	36.14	0.00	0.00	0.00	0.30	0.00	143.02	-0.08	0.00	0.00	0.00	34.19	2.44	84.38	0.67	17.33	N/A	N/A	N/A	N/A
318	3.18	2.14	34.87	5.00	4.37E-007	1.30E-003	8.00	29.22	32.00	33.67	31.50	36.69	0.00	0.00	0.00	0.30	0.00	143.97	-0.08	0.00	0.00	0.00	34.35	2.41	84.80	0.67	17.36	N/A	N/A	N/A	N/A
319	3.19	2.15	35.25	5.00	4.35E-007	1.30E-003	8.00	29.36	32.00	33.69	31.68	36.93	0.00	0.00	0.00	0.30	0.00	144.38	-0.08	0.00	0.00	0.00	34.50	2.42	85.15	0.67	17.38	N/A	N/A	N/A	N/A
320	3.20	2.11	35.47	5.00	3.97E-007	1.16E-003	7.00	28.79	31.00	33.77	31.60	36.83	0.00	0.00	0.00	0.30	0.00	144.19	-0.08	0.00	0.00	0.00	34.72	2.49	86.06	0.67	17.38	N/A	N/A	N/A	N/A
321	3.21	2.09	35.16	5.00	3.85E-007	1.12E-003	7.00	28.51	31.00	33.75	31.46	36.64	0.00	0.00	0.00	0.30	0.00	143.86	-0.08	0.00	0.00	0.00	34.81	2.51	85.89	0.67	17.37	N/A	N/A	N/A	N/A
322	3.22	2.01	33.96	5.00	3.47E-007	9.68E-004	7.00	27.39	31.00	33.72	30.80	35.75	0.00	0.00	0.00	0.30	0.00	142.34	-0.08	0.00	0.00	0.00	34.88	2.60	85.44	0.67	17.31	N/A	N/A	N/A	N/A
323	3.23	1.97	33.71	5.00	3.22E-007	8.80E-004	7.00	26.83	30.00	33.74	30.57	35.46	0.00	0.00	0.00	0.30	0.00	141.83	-0.08	0.00	0.00	0.00	35.03	2.66	85.74	0.67	17.29	N/A	N/A	N/A	N/A
324	3.24	1.90	33.04	5.00	2.86E-007	7.53E-004	7.00	25.84	30.00	33.76	30.09	34.83	0.00	0.00	0.00	0.30	0.00	140.71	-0.08	0.00	0.00	0.00	35.17	2.77	85.98	0.67	17.26	N/A	N/A	N/A	N/A
325	3.25	1.88	32.85	5.00	2.75E-007	7.16E-004	7.00	25.56	30.00	33.77	29.97	34.67	0.00	0.00	0.00	0.30	0.00	140.43	-0.08	0.00	0.00	0.00	35.29	2.80	86.04	0.67	17.25	N/A	N/A	N/A	N/A
326	3.26	1.86	32.41	5.00	2.68E-007	6.90E-004	7.00	25.28	29.00	33.74	29.79	34.42	0.00	0.00	0.00	0.30	0.00	139.99	-0.08	0.00	0.00	0.00	35.37	2.83	85.69	0.67	17.23	N/A	N/A	N/A	N/A
327	3.27	1.86	31.31	5.00	2.82E-007	7.26E-004	7.00	25.28	29.00	33.59	29.51	34.02	0.00	0.00	0.00	0.30	0.00	139.34	-0.07	0.00	0.00	0.00	35.29	2.78	83.90	0.66	17.19	N/A	N/A	N/A	N/A
328	3.28	1.85	30.90	5.00	2.80E-007	7.17E-004	7.00	25.13	29.00	33.55	29.38	33.83	0.00	0.00	0.00	0.30	0.00	139.03	-0.07	0.00	0.00	0.00	35.35	2.79	83.39	0.66	17.17	N/A	N/A	N/A	N/A
329	3.29	1.85	30.77	5.00	2.80E-007	7.18E-004	7.00	25.13	29.00	33.53	29.37	33.81	0.00	0.00	0.00	0.30	0.00	139.01	-0.07	0.00	0.00	0.00	35.43	2.78	83.15	0.66	17.17	N/A	N/A	N/A	N/A
330	3.30	1.84	29.92	5.00	2.85E-007	7.27E-004	7.00	24.99	29.00	33.43	29.11	33.44	0.00	0.00	0.00	0.30	0.00	138.39	-0.07	0.00	0.00	0.00	35.41	2.77	81.93	0.66	17.13	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
331	3.31	1.85	29.26	5.00	3.01E-007	7.70E-004	7.00	25.13	29.00	33.32	28.99	33.27	0.00	0.00	0.00	0.30	0.00	138.12	-0.07	0.00	0.00	0.00	35.38	2.72	80.64	0.62	17.11	N/A	N/A	N/A	N/A
332	3.32	1.85	28.76	5.00	3.07E-007	7.87E-004	7.00	25.12	29.00	33.25	28.88	33.09	0.00	0.00	0.00	0.30	0.00	137.83	-0.07	0.00	0.00	0.00	35.39	2.70	79.79	0.57	17.09	N/A	N/A	N/A	N/A
333	3.33	1.85	27.71	5.00	3.24E-007	8.31E-004	7.00	25.12	29.00	33.10	28.59	32.68	0.00	0.00	0.00	0.30	0.00	137.16	-0.06	0.00	0.00	0.00	35.30	2.65	78.06	0.50	17.04	N/A	N/A	N/A	N/A
334	3.34	1.84	26.93	5.00	3.30E-007	8.41E-004	7.00	24.98	29.00	33.00	28.34	32.33	0.00	0.00	0.00	0.30	0.00	136.54	-0.06	0.00	0.00	0.00	35.27	2.64	76.92	0.45	17.01	N/A	N/A	N/A	N/A
335	3.35	1.81	26.08	5.00	3.23E-007	8.10E-004	7.00	24.56	29.00	32.91	27.96	31.82	0.00	0.00	0.00	0.30	0.00	135.64	-0.06	0.00	0.00	0.00	35.27	2.66	76.00	0.42	16.97	N/A	N/A	N/A	N/A
336	3.36	1.78	25.85	5.00	3.05E-007	7.50E-004	6.00	24.13	28.00	32.92	27.78	31.58	0.00	0.00	0.00	0.30	0.00	135.19	-0.06	0.00	0.00	0.00	35.40	2.71	76.11	0.42	16.95	N/A	N/A	N/A	N/A
337	3.37	1.76	25.19	5.00	3.02E-007	7.33E-004	6.00	23.85	28.00	32.85	27.51	31.21	0.00	0.00	0.00	0.30	0.00	134.53	-0.06	0.00	0.00	0.00	35.41	2.72	75.32	0.40	16.92	N/A	N/A	N/A	N/A
338	3.38	1.76	25.07	5.00	3.02E-007	7.34E-004	6.00	23.85	28.00	32.83	27.50	31.18	0.00	0.00	0.00	0.30	0.00	134.50	-0.06	0.00	0.00	0.00	35.49	2.72	75.09	0.39	16.91	N/A	N/A	N/A	N/A
339	3.39	1.77	24.88	5.00	3.11E-007	7.60E-004	6.00	23.99	28.00	32.78	27.51	31.19	0.00	0.00	0.00	0.30	0.00	134.54	-0.06	0.00	0.00	0.00	35.53	2.69	74.56	0.37	16.90	N/A	N/A	N/A	N/A
340	3.40	1.78	25.13	5.00	3.11E-007	7.65E-004	6.00	24.12	28.00	32.80	27.66	31.39	0.00	0.00	0.00	0.30	0.00	134.91	-0.06	0.00	0.00	0.00	35.67	2.69	74.78	0.38	16.92	N/A	N/A	N/A	N/A
341	3.41	1.79	25.29	5.00	3.13E-007	7.75E-004	6.00	24.26	28.00	32.81	27.79	31.55	0.00	0.00	0.00	0.30	0.00	135.22	-0.06	0.00	0.00	0.00	35.79	2.69	74.85	0.38	16.93	N/A	N/A	N/A	N/A
342	3.42	1.78	25.54	5.00	3.00E-007	7.37E-004	6.00	24.12	28.00	32.86	27.85	31.63	0.00	0.00	0.00	0.30	0.00	135.36	-0.06	0.00	0.00	0.00	35.97	2.72	75.42	0.40	16.94	N/A	N/A	N/A	N/A
343	3.43	1.82	25.79	5.00	3.21E-007	8.07E-004	7.00	24.68	28.00	32.83	28.14	32.00	0.00	0.00	0.00	0.30	0.00	136.07	-0.06	0.00	0.00	0.00	36.04	2.66	75.12	0.39	16.96	N/A	N/A	N/A	N/A
344	3.44	1.85	25.73	5.00	3.42E-007	8.75E-004	7.00	25.10	29.00	32.77	28.29	32.18	0.00	0.00	0.00	0.30	0.00	136.43	-0.06	0.00	0.00	0.00	36.07	2.61	74.50	0.37	16.96	N/A	N/A	N/A	N/A
345	3.45	1.86	25.73	5.00	3.47E-007	8.94E-004	7.00	25.23	29.00	32.76	28.36	32.27	0.00	0.00	0.00	0.30	0.00	136.61	-0.06	0.00	0.00	0.00	36.15	2.60	74.31	0.36	16.96	N/A	N/A	N/A	N/A
346	3.46	1.88	26.01	5.00	3.55E-007	9.22E-004	7.00	25.51	29.00	32.77	28.57	32.53	0.00	0.00	0.00	0.30	0.00	137.11	-0.06	0.00	0.00	0.00	36.28	2.58	74.41	0.37	16.98	N/A	N/A	N/A	N/A
347	3.47	1.89	26.30	5.00	3.54E-007	9.25E-004	7.00	25.65	29.00	32.79	28.74	32.75	0.00	0.00	0.00	0.30	0.00	137.50	-0.06	0.00	0.00	0.00	36.42	2.58	74.69	0.38	16.99	N/A	N/A	N/A	N/A
348	3.48	1.87	26.99	5.00	3.23E-007	8.36E-004	7.00	25.37	29.00	32.92	28.89	32.97	0.00	0.00	0.00	0.30	0.00	137.87	-0.06	0.00	0.00	0.00	36.71	2.66	76.10	0.42	17.02	N/A	N/A	N/A	N/A
349	3.49	1.86	27.53	5.00	3.05E-007	7.83E-004	7.00	25.22	29.00	33.01	29.04	33.18	0.00	0.00	0.00	0.30	0.00	138.22	-0.06	0.00	0.00	0.00	36.95	2.71	77.11	0.46	17.04	N/A	N/A	N/A	N/A
350	3.50	1.81	28.50	5.00	2.56E-007	6.41E-004	7.00	24.52	28.00	33.23	29.12	33.34	0.00	0.00	0.00	0.30	0.00	138.43	-0.07	0.00	0.00	0.00	37.36	2.87	79.55	0.56	17.07	N/A	N/A	N/A	N/A
351	3.51	1.79	29.17	5.00	2.34E-007	5.79E-004	7.00	24.24	28.00	33.35	29.26	33.54	0.00	0.00	0.00	0.30	0.00	138.74	-0.07	0.00	0.00	0.00	37.65	2.95	80.99	0.63	17.09	N/A	N/A	N/A	N/A
352	3.52	1.78	29.76	5.00	2.20E-007	5.41E-004	7.00	24.10	28.00	33.45	29.41	33.75	0.00	0.00	0.00	0.30	0.00	139.11	-0.07	0.00	0.00	0.00	37.90	3.01	82.13	0.66	17.11	N/A	N/A	N/A	N/A
353	3.53	1.77	31.50	4.00	1.95E-007	4.76E-004	7.00	23.95	0.00	0.00	0.00	34.44	15.00	114.07	1.98	0.30	8.14	140.25	0.00	1.00	3.80	0.00	114.07	3.14	85.13	0.58	17.18	N/A	N/A	N/A	N/A
354	3.54	1.75	32.76	4.00	1.73E-007	4.18E-004	7.00	23.67	0.00	0.00	0.00	34.85	15.00	112.72	1.95	0.30	8.05	140.91	0.00	1.00	3.61	0.00	112.72	3.26	87.58	0.58	17.22	N/A	N/A	N/A	N/A
355	3.55	1.71	35.12	4.00	1.39E-007	3.28E-004	7.00	23.11	0.00	0.00	0.00	35.54	15.00	110.04	1.90	0.30	7.90	142.01	0.00	1.00	3.29	0.00	110.04	3.51	92.27	0.58	17.29	N/A	N/A	N/A	N/A
356	3.56	1.69	37.71	4.00	1.17E-007	2.71E-004	7.00	22.83	0.00	0.00	0.00	36.41	15.00	108.70	1.87	0.30	7.82	143.42	0.00	1.00	3.03	0.00	108.70	3.72	96.88	0.58	17.36	N/A	N/A	N/A	N/A
357	3.57	1.68	42.31	4.00	9.26E-008	2.14E-004	7.00	22.68	0.00	0.00	0.00	38.01	15.00	108.02	1.85	0.30	7.81	145.99	0.00	1.00	2.68	0.00	108.02	4.01	104.33	0.58	17.49	N/A	N/A	N/A	N/A
358	3.58	1.66	44.87	4.00	7.89E-008	1.80E-004	7.00	22.40	0.00	0.00	0.00	38.78	15.00	106.68	1.83	0.30	7.73	147.19	0.00	1.00	2.50	0.00	106.68	4.22	108.76	0.58	17.56	N/A	N/A	N/A	N/A
359	3.59	1.63	51.17	4.00	5.73E-008	1.28E-004	7.00	21.98	0.00	0.00	0.00	40.64	15.00	104.66	1.79	0.30	7.64	150.08	0.00	1.00	2.15	0.00	104.66	4.68	119.05	0.58	17.70	N/A	N/A	N/A	N/A
360	3.60	1.62	54.83	4.00	4.89E-008	1.09E-004	7.00	21.84	0.00	0.00	0.00	41.74	15.00	103.98	1.77	0.30	7.60	151.76	0.00	1.00	1.99	0.00	103.98	4.92	124.63	0.58	17.78	N/A	N/A	N/A	N/A
361	3.61	1.62	58.68	4.00	4.28E-008	9.53E-005	7.00	21.83	0.00	0.00	0.00	42.93	15.00	103.98	1.76	0.30	7.61	153.58	0.00	1.00	1.86	0.00	103.98	5.13	130.06	0.58	17.86	N/A	N/A	N/A	N/A
362	3.62	1.63	66.24	3.00	3.47E-008	7.78E-005	7.00	21.97	0.00	0.00	0.00	45.23	15.00	104.63	1.77	0.30	7.68	157.00	0.00	1.00	1.66	0.00	104.63	5.47	140.14	0.58	18.00	N/A	N/A	N/A	N/A
363	3.63	1.64	69.78	3.00	3.20E-008	7.22E-005	7.00	22.11	0.00	0.00	0.00	46.33	15.00	105.28	1.77	0.30	7.73	158.64	0.00	1.00	1.58	0.00	105.28	5.61	144.47	0.58	18.06	N/A	N/A	N/A	N/A
364	3.64	1.64	72.96	3.00	2.92E-008	6.59E-005	7.00	22.11	0.00	0.00	0.00	47.24	15.00	105.27	1.77	0.30	7.72	159.96	0.00	1.00	1.52	0.00	105.27	5.77	148.56	0.58	18.11	N/A	N/A	N/A	N/A
365	3.65	1.62	79.20	3.00	2.35E-008	5.23E-005	7.00	21.82	0.00	0.00	0.00	48.74	15.00	103.93	1.74	0.30	7.65	162.08	0.00	1.00	1.38	0.00	103.93	6.16	157.16	0.58	18.20	N/A	N/A	N/A	N/A
366	3.66	1.61	81.85	3.00	2.14E-008	4.72E-005	7.00	21.68	0.00	0.00	0.00	49.38	15.00	103.25	1.72	0.30	7.60	162.98	0.00	1.00	1.32	0.00	103.25	6.34	160.71	0.58	18.24	N/A	N/A	N/A	N/A
367	3.67	1.60	86.52	3.00	1.85E-008	4.07E-005	8.00	21.54	0.00	0.00	0.00	50.50	15.00	102.57	1.71	0.30	7.56	164.54	0.00	1.00	1.24	0.00	102.57	6.62	166.71	0.58	18.30	N/A	N/A	N/A	N/A
368	3.68	1.60	88.69	3.00	1.75E-008	3.85E-005	8.00	21.54	0.00	0.00	0.00	51.08	15.00	102.56	1.70	0.30	7.55	165.35	0.00	1.00	1.21	0.00	102.56	6.73	169.21	0.58	18.33	N/A	N/A	N/A	N/A
369	3.69	1.59	92.13	3.00	1.57E-008	3.43E-005	8.00	21.39	0.00	0.00	0.00	51.86	15.00	101.87	1.69	0.30	7.50	166.43	0.00	1.00	1.16	0.00	101.87	6.94	173.55	0.58	18.37	N/A	N/A	N/A	N/A
370	3.70	1.60	92.51	3.00	1.59E-008	3.49E-005	8.00	21.53	0.00	0.00	0.00	52.11	15.00	102.53	1.69	0.30	7.52	166.78	0.00	1.00	1.16	0.00	102.53	6.92	173.51	0.58	18.38	N/A	N/A	N/A	N/A
371	3.71	1.63	92.63	3.00	1.70E-008	3.81E-005	8.00	21.94	0.00	0.00	0.00	52.47	15.00	104.47	1.72	0.30	7.63	167.33	0.00	1.00	1.18	0.00	104.47	6.78	172.50	0.58	18.38	N/A	N/A	N/A	N/A
372	3.72	1.70	92.67	3.00	2.02E-008	4.71E-005	8.00	22.92	0.00	0.00	0.00	53.20	15.00	109.12	1.79	0.30	7.91	168.41	0.00	1.00	1.24	0.00	109.12	6.45	170.07	0.58	18.40	N/A	N/A	N/A	N/A
373	3.73	1.75	92.38	3.00	2.28E-008	5.49E-005	8.00	23.61	0.00	0.00	0.00	53.65	15.00	112.45	1.84	0.30	8.10	169.08	0.00	1.00	1.28	0.00	112.45	6.22	167.93	0.58	18.41	N/A	N/A	N/A	N/A
374	3.74	1.78	91.85	3.00	2.46E-008	6.03E-005	8.00	24.03	0.00	0.00	0.00	53.84	15.00	114.43	1.87	0.30	8.20	169.39	0.00	1.00	1.31	0.00	114.43	6.08	166.19	0.58	18.41	N/A	N/A	N/A	N/A
375	3.75	1.88	90.46	3.00	3.17E-008	8.22E-005	8.00	25.43	0.00	0.00	0.00	54.43	15.00	121.09	1.97	0.30	8.60	170.29	0.00	1.00	1.41	0.00	121.09	5.63	161.22	0.58	18.41	N/A	N/A	N/A	N/A
376	3.76	1.94	90.08	3.00	3.63E-008	9.71E-005	9.00	26.27	0.00	0.00	0.00	54.89	15.00	125.08	2.03	0.30	8.82	170.99	0.00	1.00	1.46	0.00	125.08	5.40	158.78	0.58	18.42	N/A	N/A	N/A	N/A
377	3.77	1.96	88.32	3.00	3.91E-008	1.06E-004	9.00	26.54	0.00	0.00	0.00	54.66	15.00	126.40	2.04	0.30	8.87	170.71	0.00	1.00	1.50	0.00	126.40	5.27	155.98	0.58	18.40	N/A	N/A	N/A	N/A
378	3.78	1.90	88.22	3.00	3.42E-008	8.96E-005	8.00	25.70	0.00	0.00	0.00	54.19	15.00	122.39	1.97	0.30	8.60	170.04	0.00	1.00	1.46	0.00	122.39	5.50	157.58	0.58	18.39	N/A	N/A	N/A	N/A
379	3.79	1.82	89.26	3.00	2.77E-008	6.95E-005	8.00	24.58	0.00	0.00	0.00	53.82	15.00	117.04	1.88	0.30	8.25	169.47	0.00	1.00	1.38	0.00	117.04	5.86	161.17	0.58	18.38	N/A	N/A	N/A	N/A
380	3.80	1.79	89.36	3.00	2.56E-008	6.31E-005	8.00	24.16	0.00	0.00	0.00	53.64	15.00	115.03	1.84	0.30	8.10	169.21	0.00	1.00	1.35	0.00	115.03	6.00	162.09	0.58	18.38	N/A	N/A	N/A	N/A
381	3.81	1.76	89.86	3.00	2.35E-008	5.68E-005	8.00	23.74	0.00	0.00	0.00	53.55	15.00	113.03	1.80	0.30	7.95	169.07	0.00	1.00	1.32	0.00	113.03	6.17	163.49	0.58	18.38	N/A	N/A	N/A	N/A
382	3.82	1.68	92.38	3.00	1.81E-008	4.18E-005	8.00	22.62	0.00	0.00	0.00	53.50	15.00	107.69	1.71	0.30	7.61	168.92	0.00	1.00	1.22	0.00	107.69	6.66	168.84	0.58	18.39	N/A	N/A	N/A	N/A
383	3.83	1.66	93.23	3.00	1.68E-008	3.83E-005	8.00	22.33	0.00	0.00	0.00	53.57	15.00	106.35	1.69	0.30	7.51	169.00	0.00	1.00	1.20	0.00	106.35	6.81	170.31	0.58	18.40	N/A	N/A	N/A	N/A
384	3.84	1.64	93.27	3.00	1.59E-008	3.57E-005	8.00	22.05	0.00	0.00	0.00	53.44	15.00	105.01	1.66	0.30	7.40	168.82	0.00	1.00	1.18	0.00	105.01	6.92	170.84	0.58	18.39	N/A	N/A	N/A	N/A
385	3.85	1.63	93.99	3.00	1.51E-008	3.38E-005	8.00	21.91	0.00	0.00	0.00	53.57	15.00	104.34	1.65	0.30	7.34	169.00	0.00	1.00	1.17	0.00	104.34	7.02	171.83	0.58	18.40	N/A	N/A	N/A	N/A
386	3.86	1.63	94.49	3.00	1.49E-008	3.33E-005	8.00	21.91	0.00	0.00	0.00	53.75	15.00	104.33	1.64	0.30	7.33	169.25	0.00	1.00	1.16	0.00	104.33	7.05	172.25	0.58	18.41	N/A	N/A	N/A	N/A
387	3.87	1.64	95.19	3.00	1.50E-008	3.36E-005	8.00	22.05	0.00	0.00	0.00	54.07	15.00	104.99	1.65	0.30	7.35	169.71	0.00	1.00	1.16	0.00	104.99	7.04	172.57	0.58	18.42	N/A	N/A	N/A	N/A
388	3.88	1.66	95.16	3.00	1.57E-008	3.57E-005	8.00	22.33	0.00	0.00	0.00	54.32	15.00	106.33	1.66	0.30	7.41	170.07	0.00	1.00	1.17	0.00	106.33	6.95	171.74	0.58	18.42	N/A	N/A	N/A	N/A
389	3.89	1.66	94.97	3.00	1.57E-008	3.56E-005	8.00	22.33	0.00	0.00	0.00	54.33	15.00	106.33	1.66	0.30	7.40	170.10	0.00	1.00	1.18	0.00	106.33	6.95	171.36	0.58	18.42	N/A	N/A	N/A	N/A
390	3.90	1.67	94.56	3.00	1.61E-008	3.69E-005	8.00	22.47	0.00	0.00	0.00	54.38	15.00	107.01	1.66	0.30	7.42	170.20	0.00	1.00	1.19	0.00	107.01	6.89	170.41	0.58	18.42	N/A	N/A	N/A	N/A
391	3.91	1.67	94.56	3.00	1.60E-008	3.67E-005	8.00	22.47	0.00	0.00	0.00	54.44	15.00	106.99	1.66	0.30	7.40	170.28	0.00	1.00	1.19	0.00	106.99	6.91	170.26	0.58	18.42	N/A	N/A	N/A	N/A
392	3.92	1.67	94.56	3.00	1.59E-008	3.64E-005	8.00	22.47	0.00	0.00	0.00	54.49	15.00	106.98	1.65	0.30	7.38	170.37	0.00	1.00	1.19	0.00	106.98	6.92	170.10	0.58	18.42	N/A	N/A	N/A	N/A
393	3.93	1.77	83.05	3.00	2.60E-008	6.32E-005	8.00	23.83	0.00	0.00	0.00	52.52	15.00	113.49	1.75	0.30	7.71	167.84	0.00	1.00	1.43	0.00	113.49	5.98	153.61	0.58	18.29	N/A	N/A	N/A	N/A
394	3.94	1.74	84.03	3.00	2.35E-008	5.61E-005	8.00	23.41	0.00	0.00	0.00	52.56	15.00	111.46	1.71	0.30	7.57	167.87	0.00	1.00	1.39	0.00	111.46	6.16	155.56	0.58	18.30	N/A	N/A	N/A	N/A
395	3.95	1.72	84.28	3.00	2.21E-008	5.21E-005	8.00	23.12	0.00	0.00	0.00	52.50	15.00	110.10	1.69	0.30	7.47	167.78	0.00	1.00	1.37	0.00	110.10	6.28	156.34	0.58	18.30	N/A	N/A	N/A	N/A
396	3.96	1.69	84.66	3.00	2.01E-008	4.66E-005	8.00	22.68	0.00	0.00	0.00	52.37	15.00	108.01	1.65	0.30	7.32	167.58	0.00	1.00	1.34	0.00	108.01	6.45	157.60	0.58	18.29	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
397	3.97	1.69	85.04	3.00	1.98E-008	4.59E-005	8.00	22.68	0.00	0.00	0.00	52.52	15.00	107.99	1.65	0.30	7.31	167.79	0.00	1.00	1.33	0.00	107.99	6.48	157.92	0.58	18.30	N/A	N/A	N/A	N/A
398	3.98	1.71	85.45	3.00	2.05E-008	4.81E-005	8.00	22.96	0.00	0.00	0.00	52.86	15.00	109.31	1.66	0.30	7.37	168.29	0.00	1.00	1.34	0.00	109.31	6.42	157.67	0.58	18.31	N/A	N/A	N/A	N/A
399	3.99	1.70	86.49	3.00	1.95E-008	4.54E-005	8.00	22.83	0.00	0.00	0.00	53.10	15.00	108.72	1.65	0.30	7.32	168.62	0.00	1.00	1.32	0.00	108.72	6.52	159.01	0.58	18.32	N/A	N/A	N/A	N/A
400	4.00	1.68	87.94	3.00	1.79E-008	4.10E-005	8.00	22.55	0.00	0.00	0.00	53.34	15.00	107.40	1.62	0.30	7.23	168.93	0.00	1.00	1.28	0.00	107.40	6.69	161.14	0.58	18.34	N/A	N/A	N/A	N/A
401	4.01	1.67	88.69	3.00	1.70E-008	3.89E-005	8.00	22.41	0.00	0.00	0.00	53.49	15.00	106.72	1.61	0.30	7.17	169.14	0.00	1.00	1.26	0.00	106.72	6.79	162.17	0.58	18.34	N/A	N/A	N/A	N/A
402	4.02	1.66	89.95	3.00	1.60E-008	3.64E-005	8.00	22.27	0.00	0.00	0.00	53.77	15.00	106.03	1.60	0.30	7.11	169.51	0.00	1.00	1.24	0.00	106.03	6.91	163.77	0.58	18.36	N/A	N/A	N/A	N/A
403	4.03	1.64	90.74	3.00	1.49E-008	3.33E-005	8.00	21.99	0.00	0.00	0.00	53.83	15.00	104.70	1.57	0.30	7.02	169.58	0.00	1.00	1.21	0.00	104.70	7.06	165.12	0.58	18.36	N/A	N/A	N/A	N/A
404	4.04	1.62	92.19	3.00	1.36E-008	3.01E-005	8.00	21.70	0.00	0.00	0.00	54.05	15.00	103.35	1.55	0.30	6.92	169.87	0.00	1.00	1.18	0.00	103.35	7.25	167.21	0.58	18.38	N/A	N/A	N/A	N/A
405	4.05	1.60	92.63	3.00	1.27E-008	2.76E-005	8.00	21.41	0.00	0.00	0.00	54.02	15.00	101.97	1.52	0.30	6.82	169.81	0.00	1.00	1.16	0.00	101.97	7.39	168.16	0.58	18.38	N/A	N/A	N/A	N/A
406	4.06	1.56	93.99	3.00	1.10E-008	2.33E-005	8.00	20.84	0.00	0.00	0.00	54.00	15.00	99.26	1.48	0.30	6.65	169.75	0.00	1.00	1.11	0.00	99.26	7.71	170.74	0.58	18.38	N/A	N/A	N/A	N/A
407	4.07	1.56	94.21	3.00	1.08E-008	2.30E-005	8.00	20.84	0.00	0.00	0.00	54.11	15.00	99.23	1.47	0.30	6.63	169.91	0.00	1.00	1.11	0.00	99.23	7.73	170.81	0.58	18.39	N/A	N/A	N/A	N/A
408	4.08	1.55	94.56	3.00	1.04E-008	2.18E-005	8.00	20.69	0.00	0.00	0.00	54.16	15.00	98.53	1.46	0.30	6.56	169.99	0.00	1.00	1.09	0.00	98.53	7.83	171.29	0.58	18.39	N/A	N/A	N/A	N/A
409	4.09	1.53	94.24	3.00	9.75E-009	2.03E-005	8.00	20.40	0.00	0.00	0.00	53.95	15.00	97.13	1.43	0.30	6.45	169.70	0.00	1.00	1.08	0.00	97.13	7.97	171.30	0.58	18.38	N/A	N/A	N/A	N/A
410	4.10	1.52	93.93	3.00	9.47E-009	1.95E-005	8.00	20.26	0.00	0.00	0.00	53.84	15.00	96.46	1.42	0.30	6.39	169.56	0.00	1.00	1.08	0.00	96.46	8.03	171.05	0.58	18.37	N/A	N/A	N/A	N/A
411	4.11	1.52	93.08	3.00	9.56E-009	1.97E-005	8.00	20.24	0.00	0.00	0.00	53.68	15.00	96.39	1.41	0.30	6.37	169.34	0.00	1.00	1.09	0.00	96.39	8.01	169.98	0.58	18.36	N/A	N/A	N/A	N/A
412	4.12	1.53	92.45	3.00	9.92E-009	2.06E-005	8.00	20.38	0.00	0.00	0.00	53.66	15.00	97.03	1.42	0.30	6.39	169.34	0.00	1.00	1.10	0.00	97.03	7.93	168.89	0.58	18.36	N/A	N/A	N/A	N/A
413	4.13	1.53	91.06	3.00	1.02E-008	2.11E-005	8.00	20.37	0.00	0.00	0.00	53.36	15.00	97.00	1.42	0.30	6.37	168.94	0.00	1.00	1.12	0.00	97.00	7.87	167.23	0.58	18.34	N/A	N/A	N/A	N/A
414	4.14	1.52	90.65	3.00	9.90E-009	2.04E-005	8.00	20.23	0.00	0.00	0.00	53.22	15.00	96.33	1.40	0.30	6.31	168.76	0.00	1.00	1.12	0.00	96.33	7.93	166.87	0.58	18.33	N/A	N/A	N/A	N/A
415	4.15	1.52	90.49	3.00	9.88E-009	2.04E-005	8.00	20.23	0.00	0.00	0.00	53.23	15.00	96.34	1.40	0.30	6.30	168.79	0.00	1.00	1.12	0.00	96.34	7.94	166.53	0.58	18.33	N/A	N/A	N/A	N/A
416	4.16	1.51	89.26	3.00	9.84E-009	2.02E-005	8.00	20.10	0.00	0.00	0.00	52.89	15.00	95.73	1.39	0.30	6.24	168.33	0.00	1.00	1.13	0.00	95.73	7.95	165.26	0.58	18.31	N/A	N/A	N/A	N/A
417	4.17	1.52	88.76	3.00	1.02E-008	2.10E-005	8.00	20.24	0.00	0.00	0.00	52.91	15.00	96.40	1.39	0.30	6.27	168.37	0.00	1.00	1.14	0.00	96.40	7.87	164.30	0.58	18.31	N/A	N/A	N/A	N/A
418	4.18	1.53	87.37	3.00	1.08E-008	2.24E-005	8.00	20.38	0.00	0.00	0.00	52.69	15.00	97.06	1.40	0.30	6.29	168.09	0.00	1.00	1.17	0.00	97.06	7.74	162.38	0.58	18.29	N/A	N/A	N/A	N/A
419	4.19	1.54	86.90	3.00	1.12E-008	2.33E-005	8.00	20.52	0.00	0.00	0.00	52.70	15.00	97.72	1.40	0.30	6.32	168.14	0.00	1.00	1.18	0.00	97.72	7.67	161.46	0.58	18.29	N/A	N/A	N/A	N/A
420	4.20	1.59	85.86	3.00	1.30E-008	2.82E-005	8.00	21.22	0.00	0.00	0.00	52.98	15.00	101.06	1.45	0.30	6.50	168.59	0.00	1.00	1.24	0.00	101.06	7.33	158.73	0.58	18.29	N/A	N/A	N/A	N/A
421	4.21	1.63	85.48	3.00	1.46E-008	3.24E-005	8.00	21.78	0.00	0.00	0.00	53.31	15.00	103.73	1.48	0.30	6.64	169.10	0.00	1.00	1.27	0.00	103.73	7.10	157.05	0.58	18.29	N/A	N/A	N/A	N/A
422	4.22	1.68	84.88	3.00	1.67E-008	3.84E-005	8.00	22.48	0.00	0.00	0.00	53.68	15.00	107.06	1.53	0.30	6.81	169.65	0.00	1.00	1.32	0.00	107.06	6.82	154.84	0.58	18.29	N/A	N/A	N/A	N/A
423	4.23	1.81	83.11	3.00	2.39E-008	5.92E-005	8.00	24.30	0.00	0.00	0.00	54.41	15.00	115.73	1.65	0.30	7.30	170.79	0.00	1.00	1.46	0.00	115.73	6.13	149.13	0.58	18.30	N/A	N/A	N/A	N/A
424	4.24	1.88	82.26	3.00	2.85E-008	7.36E-005	8.00	25.28	0.00	0.00	0.00	54.83	15.00	120.39	1.71	0.30	7.54	171.43	0.00	1.00	1.54	0.00	120.39	5.81	146.16	0.58	18.30	N/A	N/A	N/A	N/A
425	4.25	1.95	81.69	3.00	3.36E-008	9.01E-005	9.00	26.26	0.00	0.00	0.00	55.30	15.00	125.05	1.77	0.30	7.79	172.13	0.00	1.00	1.61	0.00	125.05	5.53	143.54	0.58	18.31	N/A	N/A	N/A	N/A
426	4.26	2.05	79.74	4.00	4.34E-008	1.22E-004	9.00	27.66	0.00	0.00	0.00	55.59	15.00	131.71	1.86	0.30	8.15	172.62	0.00	1.00	1.73	0.00	131.71	5.11	138.64	0.58	18.30	N/A	N/A	N/A	N/A
427	4.27	2.06	78.64	4.00	4.53E-008	1.28E-004	9.00	27.80	0.00	0.00	0.00	55.40	15.00	132.36	1.86	0.30	8.16	172.39	0.00	1.00	1.77	0.00	132.36	5.04	137.06	0.58	18.29	N/A	N/A	N/A	N/A
428	4.28	2.07	77.12	4.00	4.78E-008	1.36E-004	9.00	27.93	0.00	0.00	0.00	55.08	15.00	133.02	1.87	0.30	8.17	171.99	0.00	1.00	1.81	0.00	133.02	4.95	135.00	0.58	18.26	N/A	N/A	N/A	N/A
429	4.29	2.06	75.77	4.00	4.81E-008	1.36E-004	9.00	27.79	0.00	0.00	0.00	54.65	15.00	132.34	1.85	0.30	8.11	171.43	0.00	1.00	1.83	0.00	132.34	4.94	133.64	0.58	18.24	N/A	N/A	N/A	N/A
430	4.30	2.05	74.76	4.00	4.81E-008	1.36E-004	9.00	27.65	0.00	0.00	0.00	54.32	15.00	131.66	1.84	0.30	8.05	170.99	0.00	1.00	1.85	0.00	131.66	4.94	132.67	0.58	18.23	N/A	N/A	N/A	N/A
431	4.31	2.01	72.46	4.00	4.67E-008	1.29E-004	9.00	27.09	0.00	0.00	0.00	53.37	15.00	128.98	1.80	0.30	7.87	169.70	0.00	1.00	1.87	0.00	128.98	4.99	130.95	0.58	18.18	N/A	N/A	N/A	N/A
432	4.32	1.99	71.35	4.00	4.60E-008	1.26E-004	9.00	26.82	0.00	0.00	0.00	52.94	15.00	127.71	1.77	0.30	7.78	169.11	0.00	1.00	1.88	0.00	127.71	5.01	130.06	0.58	18.16	N/A	N/A	N/A	N/A
433	4.33	1.94	70.09	4.00	4.25E-008	1.13E-004	8.00	26.12	0.00	0.00	0.00	52.22	15.00	124.37	1.72	0.30	7.57	168.09	0.00	1.00	1.86	0.00	124.37	5.14	129.77	0.58	18.13	N/A	N/A	N/A	N/A
434	4.34	1.91	69.71	4.00	3.99E-008	1.05E-004	8.00	25.70	0.00	0.00	0.00	51.92	15.00	122.36	1.69	0.30	7.44	167.66	0.00	1.00	1.84	0.00	122.36	5.24	130.00	0.58	18.12	N/A	N/A	N/A	N/A
435	4.35	1.91	69.52	4.00	3.99E-008	1.04E-004	8.00	25.69	0.00	0.00	0.00	51.91	15.00	122.35	1.69	0.30	7.42	167.66	0.00	1.00	1.85	0.00	122.35	5.24	129.70	0.58	18.11	N/A	N/A	N/A	N/A
436	4.36	1.92	68.39	4.00	4.19E-008	1.10E-004	8.00	25.83	0.00	0.00	0.00	51.68	15.00	123.00	1.69	0.30	7.44	167.38	0.00	1.00	1.89	0.00	123.00	5.16	128.05	0.58	18.10	N/A	N/A	N/A	N/A
437	4.37	1.93	67.82	4.00	4.33E-008	1.15E-004	8.00	25.97	0.00	0.00	0.00	51.63	15.00	123.66	1.70	0.30	7.46	167.32	0.00	1.00	1.91	0.00	123.66	5.11	127.05	0.58	18.09	N/A	N/A	N/A	N/A
438	4.38	1.94	67.79	4.00	4.40E-008	1.17E-004	8.00	26.11	0.00	0.00	0.00	51.74	15.00	124.31	1.70	0.30	7.48	167.50	0.00	1.00	1.93	0.00	124.31	5.08	126.70	0.58	18.09	N/A	N/A	N/A	N/A
439	4.39	1.95	67.82	4.00	4.47E-008	1.20E-004	8.00	26.24	0.00	0.00	0.00	51.87	15.00	124.97	1.71	0.30	7.50	167.70	0.00	1.00	1.93	0.00	124.97	5.06	126.41	0.58	18.09	N/A	N/A	N/A	N/A
440	4.40	1.98	67.38	4.00	4.81E-008	1.31E-004	9.00	26.66	0.00	0.00	0.00	52.01	15.00	126.95	1.73	0.30	7.59	167.93	0.00	1.00	1.98	0.00	126.95	4.94	125.09	0.58	18.09	N/A	N/A	N/A	N/A
441	4.41	2.00	66.28	4.00	5.15E-008	1.41E-004	9.00	26.94	0.00	0.00	0.00	51.86	15.00	128.28	1.74	0.30	7.64	167.75	0.00	1.00	2.03	0.00	128.28	4.84	123.25	0.58	18.08	N/A	N/A	N/A	N/A
442	4.42	2.01	65.93	4.00	5.29E-008	1.46E-004	9.00	27.08	0.00	0.00	0.00	51.86	15.00	128.93	1.75	0.30	7.66	167.78	0.00	1.00	2.05	0.00	128.93	4.80	122.53	0.58	18.07	N/A	N/A	N/A	N/A
443	4.43	2.03	66.91	4.00	5.34E-008	1.49E-004	9.00	27.35	0.00	0.00	0.00	52.37	15.00	130.25	1.76	0.30	7.72	168.50	0.00	1.00	2.04	0.00	130.25	4.78	123.14	0.58	18.09	N/A	N/A	N/A	N/A
444	4.44	2.03	68.80	4.00	5.03E-008	1.40E-004	9.00	27.35	0.00	0.00	0.00	53.01	15.00	130.24	1.76	0.30	7.71	169.38	0.00	1.00	1.99	0.00	130.24	4.87	125.26	0.58	18.13	N/A	N/A	N/A	N/A
445	4.45	2.05	73.62	4.00	4.59E-008	1.29E-004	9.00	27.63	0.00	0.00	0.00	54.70	15.00	131.56	1.77	0.30	7.78	171.68	0.00	1.00	1.88	0.00	131.56	5.02	130.21	0.58	18.21	N/A	N/A	N/A	N/A
446	4.46	2.03	74.41	4.00	4.29E-008	1.19E-004	9.00	27.35	0.00	0.00	0.00	54.84	15.00	130.22	1.75	0.30	7.70	171.85	0.00	1.00	1.84	0.00	130.22	5.13	131.50	0.58	18.22	N/A	N/A	N/A	N/A
447	4.47	2.05	76.40	4.00	4.23E-008	1.19E-004	9.00	27.62	0.00	0.00	0.00	55.64	15.00	131.54	1.76	0.30	7.76	172.94	0.00	1.00	1.81	0.00	131.54	5.15	133.16	0.58	18.25	N/A	N/A	N/A	N/A
448	4.48	2.09	77.03	4.00	4.49E-008	1.29E-004	9.00	28.18	0.00	0.00	0.00	56.18	15.00	134.19	1.79	0.30	7.89	173.70	0.00	1.00	1.83	0.00	134.19	5.05	132.81	0.58	18.27	N/A	N/A	N/A	N/A
449	4.49	1.88	77.66	3.00	2.80E-008	7.20E-005	9.00	25.25	0.00	0.00	0.00	54.77	15.00	120.25	1.60	0.30	7.11	171.64	0.00	1.00	1.63	0.00	120.25	5.85	138.57	0.58	18.24	N/A	N/A	N/A	N/A
450	4.50	1.84	83.74	3.00	2.19E-008	5.51E-005	9.00	24.69	0.00	0.00	0.00	56.22	15.00	117.58	1.56	0.30	6.96	173.53	0.00	1.00	1.47	0.00	117.58	6.30	146.14	0.58	18.31	N/A	N/A	N/A	N/A
451	4.51	1.83	86.30	3.00	2.00E-008	5.01E-005	9.00	24.55	0.00	0.00	0.00	56.90	15.00	116.90	1.55	0.30	6.92	174.42	0.00	1.00	1.42	0.00	116.90	6.46	149.04	0.58	18.35	N/A	N/A	N/A	N/A
452	4.52	1.83	88.79	3.00	1.88E-008	4.71E-005	9.00	24.55	0.00	0.00	0.00	57.63	15.00	116.89	1.55	0.30	6.91	175.39	0.00	1.00	1.38	0.00	116.89	6.58	151.57	0.58	18.38	N/A	N/A	N/A	N/A
453	4.53	1.82	92.38	3.00	1.69E-008	4.21E-005	9.00	24.40	0.00	0.00	0.00	58.57	15.00	116.21	1.53	0.30	6.86	176.59	0.00	1.00	1.32	0.00	116.21	6.80	155.46	0.58	18.42	N/A	N/A	N/A	N/A
454	4.54	1.81	94.09	3.00	1.58E-008	3.92E-005	9.00	24.26	0.00	0.00	0.00	58.98	15.00	115.53	1.52	0.30	6.81	177.13	0.00	1.00	1.29	0.00	115.53	6.93	157.36	0.58	18.44	N/A	N/A	N/A	N/A
455	4.55	1.84	96.58	3.00	1.60E-008	4.04E-005	9.00	24.68	0.00	0.00	0.00	59.97	15.00	117.52	1.54	0.30	6.91	178.43	0.00	1.00	1.28	0.00	117.52	6.90	159.02	0.58	18.48	N/A	N/A	N/A	N/A
456	4.56	1.85	96.58	3.00	1.63E-008	4.13E-005	9.00	24.82	0.00	0.00	0.00	60.11	15.00	118.17	1.55	0.30	6.93	178.63	0.00	1.00	1.28	0.00	118.17	6.87	158.65	0.58	18.48	N/A	N/A	N/A	N/A
457	4.57	1.88	93.61	3.00	1.85E-008	4.77E-005	9.00	25.23	0.00	0.00	0.00	59.65	15.00	120.16	1.57	0.30	7.02	178.08	0.00	1.00	1.35	0.00	120.16	6.61	154.75	0.58	18.45	N/A	N/A	N/A	N/A
458	4.58	1.90	92.00	3.00	2.00E-008	5.20E-005	9.00	25.51	0.00	0.00	0.00	59.44	15.00	121.48	1.58	0.30	7.07	177.85	0.00	1.00	1.39	0.00	121.48	6.47	152.49	0.58	18.44	N/A	N/A	N/A	N/A
459	4.59	1.91	91.22	3.00	2.07E-008	5.41E-005	9.00	25.65	0.00	0.00	0.00	59.36	15.00	122.13	1.59	0.30	7.09	177.77	0.00	1.00	1.41	0.00	122.13	6.40	151.33	0.58	18.43	N/A	N/A	N/A	N/A
460	4.60	1.93	88.72	3.00	2.27E-008	6.01E-005	9.00	25.93	0.00	0.00	0.00	58.90	15.00	123.46	1.60	0.30	7.14	177.21	0.00	1.00	1.46	0.00	123.46	6.23	148.15	0.58	18.40	N/A	N/A	N/A	N/A
461	4.61	1.95	86.90	3.00	2.46E-008	6.58E-005	9.00	26.20	0.00	0.00	0.00	58.61	15.00	124.78	1.61	0.30	7.19	176.86	0.00	1.00	1.51	0.00	124.78	6.08	145.66	0.58	18.38	N/A	N/A	N/A	N/A
462	4.62	1.98	84.59	3.00	2.76E-008	7.49E-005	9.00	26.62	0.00	0.00	0.00	58.25	15.00	126.77	1.64	0.30	7.28	176.44	0.00	1.00	1.57	0.00	126.77	5.87	142.41	0.58	18.35	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
463	4.63	2.05	79.90	4.00	3.57E-008	1.00E-004	9.00	27.60	0.00	0.00	0.00	57.48	15.00	131.42	1.69	0.30	7.50	175.53	0.00	1.00	1.73	0.00	131.42	5.43	135.67	0.58	18.30	N/A	N/A	N/A	N/A
464	4.64	2.07	77.56	4.00	3.92E-008	1.11E-004	9.00	27.88	0.00	0.00	0.00	56.98	15.00	132.74	1.71	0.30	7.55	174.91	0.00	1.00	1.80	0.00	132.74	5.27	132.60	0.58	18.27	N/A	N/A	N/A	N/A
465	4.65	2.10	71.79	4.00	4.82E-008	1.39E-004	9.00	28.29	0.00	0.00	0.00	55.47	15.00	134.73	1.73	0.30	7.62	172.96	0.00	1.00	1.97	0.00	134.73	4.94	125.54	0.58	18.19	N/A	N/A	N/A	N/A
466	4.66	2.12	68.26	4.00	5.50E-008	1.60E-004	9.00	28.57	0.00	0.00	0.00	54.53	15.00	136.05	1.74	0.30	7.67	171.75	0.00	1.00	2.09	0.00	136.05	4.74	121.11	0.58	18.13	N/A	N/A	N/A	N/A
467	4.67	2.14	65.11	4.00	6.23E-008	1.83E-004	9.00	28.85	0.00	0.00	0.00	53.68	15.00	137.37	1.75	0.30	7.71	170.64	0.00	1.00	2.22	0.00	137.37	4.55	117.07	0.58	18.08	N/A	N/A	N/A	N/A
468	4.68	2.18	58.30	4.00	8.25E-008	2.47E-004	9.00	29.41	0.00	0.00	0.00	51.65	15.00	140.03	1.78	0.30	7.81	167.96	0.00	1.00	2.52	0.00	140.03	4.16	108.35	0.58	17.96	N/A	N/A	N/A	N/A
469	4.69	2.21	55.02	4.00	9.69E-008	2.94E-004	9.00	29.82	0.00	0.00	0.00	50.71	15.00	142.02	1.80	0.30	7.89	166.71	0.00	1.00	2.71	0.00	142.02	3.95	103.87	0.58	17.90	N/A	N/A	N/A	N/A
470	4.70	2.26	49.79	4.00	1.27E-007	3.96E-004	9.00	30.52	0.00	0.00	0.00	49.11	15.00	145.34	1.84	0.30	8.03	164.54	0.00	1.00	3.06	0.00	145.34	3.61	96.67	0.58	17.80	N/A	N/A	N/A	N/A
471	4.71	2.28	47.67	4.00	1.42E-007	4.46E-004	9.00	30.80	0.00	0.00	0.00	48.45	15.00	146.66	1.85	0.30	8.08	163.64	0.00	1.00	3.23	0.00	146.66	3.48	93.73	0.58	17.75	N/A	N/A	N/A	N/A
472	4.72	2.30	44.99	4.00	1.63E-007	5.15E-004	9.00	31.08	0.00	0.00	0.00	47.53	15.00	147.98	1.87	0.30	8.12	162.37	0.00	1.00	3.45	0.00	147.98	3.33	90.11	0.58	17.69	N/A	N/A	N/A	N/A
473	4.73	2.30	43.76	4.00	1.70E-007	5.39E-004	9.00	31.07	0.00	0.00	0.00	47.06	15.00	147.97	1.86	0.30	8.10	161.72	0.00	1.00	3.55	0.00	147.97	3.28	88.58	0.58	17.65	N/A	N/A	N/A	N/A
474	4.74	2.31	41.49	4.00	1.89E-007	6.02E-004	9.00	31.21	0.00	0.00	0.00	46.21	15.00	148.63	1.87	0.30	8.11	160.52	0.00	1.00	3.76	0.00	148.63	3.17	85.61	0.58	17.59	N/A	N/A	N/A	N/A
475	4.75	2.31	40.74	4.00	1.94E-007	6.18E-004	9.00	31.21	0.00	0.00	0.00	45.93	15.00	148.61	1.86	0.30	8.09	160.12	0.00	1.00	3.83	0.00	148.61	3.14	84.66	0.58	17.57	N/A	N/A	N/A	N/A
476	4.76	2.30	40.07	4.00	1.95E-007	6.19E-004	9.00	31.07	0.00	0.00	0.00	45.62	15.00	147.94	1.85	0.30	8.04	159.68	0.00	1.00	3.88	0.00	147.94	3.13	83.96	0.58	17.55	N/A	N/A	N/A	N/A
477	4.77	2.28	39.51	4.00	1.92E-007	6.02E-004	9.00	30.78	0.00	0.00	0.00	45.30	15.00	146.59	1.83	0.30	7.95	159.21	0.00	1.00	3.90	0.00	146.59	3.15	83.55	0.58	17.53	N/A	N/A	N/A	N/A
478	4.78	2.26	39.29	4.00	1.86E-007	5.78E-004	9.00	30.50	0.00	0.00	0.00	45.13	15.00	145.24	1.81	0.30	7.87	158.94	0.00	1.00	3.88	0.00	145.24	3.19	83.56	0.58	17.52	N/A	N/A	N/A	N/A
479	4.79	2.26	39.29	4.00	1.85E-007	5.75E-004	9.00	30.50	0.00	0.00	0.00	45.16	15.00	145.23	1.80	0.30	7.85	159.00	0.00	1.00	3.88	0.00	145.23	3.19	83.54	0.58	17.52	N/A	N/A	N/A	N/A
480	4.80	2.27	39.22	4.00	1.88E-007	5.88E-004	9.00	30.64	0.00	0.00	0.00	45.22	15.00	145.89	1.81	0.30	7.87	159.12	0.00	1.00	3.91	0.00	145.89	3.17	83.27	0.58	17.52	N/A	N/A	N/A	N/A
481	4.81	2.29	39.38	4.00	1.93E-007	6.08E-004	9.00	30.91	0.00	0.00	0.00	45.44	15.00	147.21	1.82	0.30	7.92	159.46	0.00	1.00	3.93	0.00	147.21	3.15	83.14	0.58	17.53	N/A	N/A	N/A	N/A
482	4.82	2.36	39.73	5.00	2.15E-007	7.00E-004	9.00	31.89	28.00	33.48	39.09	46.02	0.00	0.00	0.00	0.30	0.00	160.38	-0.07	0.00	0.00	0.00	53.57	3.04	82.49	0.66	17.55	N/A	N/A	N/A	N/A
483	4.83	2.39	40.01	5.00	2.23E-007	7.36E-004	9.00	32.31	28.00	33.47	39.34	46.35	0.00	0.00	0.00	0.30	0.00	160.89	-0.07	0.00	0.00	0.00	53.66	3.00	82.36	0.66	17.57	N/A	N/A	N/A	N/A
484	4.84	2.42	40.36	5.00	2.31E-007	7.71E-004	9.00	32.73	28.00	33.46	39.61	46.70	0.00	0.00	0.00	0.30	0.00	161.43	-0.07	0.00	0.00	0.00	53.77	2.97	82.33	0.66	17.58	N/A	N/A	N/A	N/A
485	4.85	2.49	40.93	5.00	2.53E-007	8.71E-004	9.00	33.71	29.00	33.44	40.11	47.37	0.00	0.00	0.00	0.30	0.00	162.45	-0.07	0.00	0.00	0.00	53.83	2.88	82.00	0.66	17.61	N/A	N/A	N/A	N/A
486	4.86	2.52	41.21	5.00	2.62E-007	9.13E-004	9.00	34.12	29.00	33.43	40.35	47.69	0.00	0.00	0.00	0.30	0.00	162.94	-0.07	0.00	0.00	0.00	53.93	2.85	81.90	0.66	17.62	N/A	N/A	N/A	N/A
487	4.87	2.58	41.78	5.00	2.82E-007	1.01E-003	9.00	34.96	29.00	33.41	40.81	48.29	0.00	0.00	0.00	0.30	0.00	163.86	-0.07	0.00	0.00	0.00	54.02	2.78	81.74	0.66	17.64	N/A	N/A	N/A	N/A
488	4.88	2.61	42.06	5.00	2.92E-007	1.05E-003	10.00	35.38	29.00	33.41	41.05	48.61	0.00	0.00	0.00	0.30	0.00	164.34	-0.07	0.00	0.00	0.00	54.12	2.75	81.65	0.66	17.66	N/A	N/A	N/A	N/A
489	4.89	2.63	43.10	5.00	2.87E-007	1.04E-003	10.00	35.66	29.00	33.48	41.48	49.21	0.00	0.00	0.00	0.30	0.00	165.20	-0.07	0.00	0.00	0.00	54.39	2.76	82.54	0.66	17.69	N/A	N/A	N/A	N/A
490	4.90	2.63	43.45	5.00	2.82E-007	1.03E-003	10.00	35.65	29.00	33.51	41.62	49.39	0.00	0.00	0.00	0.30	0.00	165.47	-0.07	0.00	0.00	0.00	54.57	2.78	82.91	0.66	17.70	N/A	N/A	N/A	N/A
491	4.91	2.63	43.45	5.00	2.81E-007	1.02E-003	10.00	35.65	29.00	33.51	41.65	49.43	0.00	0.00	0.00	0.30	0.00	165.53	-0.07	0.00	0.00	0.00	54.68	2.78	82.88	0.66	17.70	N/A	N/A	N/A	N/A
492	4.92	2.63	43.45	5.00	2.80E-007	1.02E-003	10.00	35.65	29.00	33.51	41.68	49.47	0.00	0.00	0.00	0.30	0.00	165.60	-0.07	0.00	0.00	0.00	54.80	2.79	82.86	0.66	17.70	N/A	N/A	N/A	N/A
493	4.93	2.54	40.96	5.00	2.66E-007	9.32E-004	9.00	34.39	29.00	33.36	40.58	47.94	0.00	0.00	0.00	0.30	0.00	163.39	-0.07	0.00	0.00	0.00	54.62	2.83	81.17	0.64	17.62	N/A	N/A	N/A	N/A
494	4.94	2.52	41.46	5.00	2.51E-007	8.71E-004	9.00	34.11	28.00	33.43	40.68	48.09	0.00	0.00	0.00	0.30	0.00	163.59	-0.07	0.00	0.00	0.00	54.88	2.89	81.99	0.66	17.63	N/A	N/A	N/A	N/A
495	4.95	2.44	42.06	5.00	2.12E-007	7.13E-004	9.00	32.99	28.00	33.58	40.55	47.95	0.00	0.00	0.00	0.30	0.00	163.34	-0.07	0.00	0.00	0.00	55.31	3.05	83.78	0.66	17.63	N/A	N/A	N/A	N/A
496	4.96	2.39	42.63	4.00	1.89E-007	6.21E-004	9.00	32.28	0.00	0.00	0.00	47.95	15.00	153.73	1.84	0.30	8.06	163.30	0.00	1.00	3.79	0.00	153.73	3.17	85.17	0.58	17.64	N/A	N/A	N/A	N/A
497	4.97	2.25	43.45	4.00	1.40E-007	4.33E-004	9.00	30.32	0.00	0.00	0.00	47.52	15.00	144.39	1.73	0.30	7.58	162.58	0.00	1.00	3.49	0.00	144.39	3.50	88.36	0.58	17.64	N/A	N/A	N/A	N/A
498	4.98	2.20	44.36	4.00	1.22E-007	3.68E-004	9.00	29.62	0.00	0.00	0.00	47.64	15.00	141.04	1.68	0.30	7.40	162.70	0.00	1.00	3.34	0.00	141.04	3.66	90.29	0.58	17.65	N/A	N/A	N/A	N/A
499	4.99	2.11	45.56	4.00	9.67E-008	2.79E-004	9.00	28.36	0.00	0.00	0.00	47.60	15.00	135.03	1.61	0.30	7.09	162.58	0.00	1.00	3.11	0.00	135.03	3.95	93.33	0.58	17.67	N/A	N/A	N/A	N/A
500	5.00	2.02	45.56	4.00	7.96E-008	2.20E-004	8.00	27.09	0.00	0.00	0.00	47.06	15.00	129.02	1.53	0.30	6.77	161.73	0.00	1.00	2.97	0.00	129.02	4.21	94.97	0.58	17.65	N/A	N/A	N/A	N/A
501	5.01	1.99	45.56	4.00	7.43E-008	2.02E-004	8.00	26.67	0.00	0.00	0.00	46.90	15.00	127.01	1.51	0.30	6.66	161.48	0.00	1.00	2.93	0.00	127.01	4.30	95.51	0.58	17.64	N/A	N/A	N/A	N/A
502	5.02	1.95	45.34	4.00	6.83E-008	1.82E-004	8.00	26.11	0.00	0.00	0.00	46.58	15.00	124.33	1.47	0.30	6.51	160.99	0.00	1.00	2.88	0.00	124.33	4.42	95.97	0.58	17.63	N/A	N/A	N/A	N/A
503	5.03	1.93	45.34	4.00	6.50E-008	1.71E-004	8.00	25.83	0.00	0.00	0.00	46.48	15.00	122.98	1.45	0.30	6.43	160.84	0.00	1.00	2.85	0.00	122.98	4.49	96.32	0.58	17.63	N/A	N/A	N/A	N/A
504	5.04	1.90	44.99	4.00	6.12E-008	1.59E-004	8.00	25.40	0.00	0.00	0.00	46.18	15.00	120.97	1.43	0.30	6.32	160.38	0.00	1.00	2.82	0.00	120.97	4.58	96.43	0.58	17.61	N/A	N/A	N/A	N/A
505	5.05	1.84	44.39	4.00	5.43E-008	1.36E-004	8.00	24.56	0.00	0.00	0.00	45.56	15.00	116.96	1.37	0.30	6.10	159.43	0.00	1.00	2.77	0.00	116.96	4.76	96.82	0.58	17.58	N/A	N/A	N/A	N/A
506	5.06	1.83	45.50	4.00	5.04E-008	1.26E-004	8.00	24.42	0.00	0.00	0.00	45.97	15.00	116.28	1.36	0.30	6.06	160.02	0.00	1.00	2.68	0.00	116.28	4.87	98.39	0.58	17.61	N/A	N/A	N/A	N/A
507	5.07	1.81	45.81	4.00	4.73E-008	1.16E-004	8.00	24.14	0.00	0.00	0.00	45.98	15.00	114.93	1.35	0.30	5.98	160.03	0.00	1.00	2.63	0.00	114.93	4.97	99.14	0.58	17.61	N/A	N/A	N/A	N/A
508	5.08	1.79	45.56	4.00	4.52E-008	1.10E-004	8.00	23.85	0.00	0.00	0.00	45.78	15.00	113.59	1.33	0.30	5.90	159.72	0.00	1.00	2.62	0.00	113.59	5.04	99.19	0.58	17.60	N/A	N/A	N/A	N/A
509	5.09	1.78	44.55	4.00	4.57E-008	1.11E-004	8.00	23.71	0.00	0.00	0.00	45.34	15.00	112.91	1.32	0.30	5.86	159.09	0.00	1.00	2.66	0.00	112.91	5.02	98.07	0.58	17.58	N/A	N/A	N/A	N/A
510	5.10	1.78	43.83	4.00	4.68E-008	1.13E-004	8.00	23.71	0.00	0.00	0.00	45.09	15.00	112.90	1.31	0.30	5.84	158.73	0.00	1.00	2.70	0.00	112.90	4.98	97.11	0.58	17.56	N/A	N/A	N/A	N/A
511	5.11	1.79	42.66	4.00	5.01E-008	1.22E-004	8.00	23.85	0.00	0.00	0.00	44.73	15.00	113.55	1.32	0.30	5.86	158.22	0.00	1.00	2.79	0.00	113.55	4.88	95.37	0.58	17.53	N/A	N/A	N/A	N/A
512	5.12	1.83	40.64	4.00	5.99E-008	1.49E-004	8.00	24.40	0.00	0.00	0.00	44.21	15.00	116.21	1.35	0.30	5.98	157.51	0.00	1.00	3.00	0.00	116.21	4.61	91.94	0.58	17.48	N/A	N/A	N/A	N/A
513	5.13	1.85	39.66	4.00	6.52E-008	1.64E-004	8.00	24.68	0.00	0.00	0.00	43.97	15.00	117.53	1.36	0.30	6.03	157.18	0.00	1.00	3.11	0.00	117.53	4.49	90.25	0.58	17.46	N/A	N/A	N/A	N/A
514	5.14	1.87	38.40	4.00	7.19E-008	1.83E-004	8.00	24.96	0.00	0.00	0.00	43.59	15.00	118.85	1.37	0.30	6.08	156.67	0.00	1.00	3.25	0.00	118.85	4.35	88.19	0.58	17.42	N/A	N/A	N/A	N/A
515	5.15	1.89	38.02	4.00	7.63E-008	1.96E-004	8.00	25.24	0.00	0.00	0.00	43.59	15.00	120.17	1.38	0.30	6.14	156.70	0.00	1.00	3.32	0.00	120.17	4.27	87.30	0.58	17.42	N/A	N/A	N/A	N/A
516	5.16	1.90	37.52	4.00	7.95E-008	2.06E-004	8.00	25.37	0.00	0.00	0.00	43.47	15.00	120.83	1.39	0.30	6.16	156.54	0.00	1.00	3.38	0.00	120.83	4.21	86.43	0.58	17.40	N/A	N/A	N/A	N/A
517	5.17	1.93	36.29	4.00	8.97E-008	2.36E-004	8.00	25.79	0.00	0.00	0.00	43.15	15.00	122.82	1.41	0.30	6.24	156.11	0.00	1.00	3.55	0.00	122.82	4.05	84.24	0.58	17.37	N/A	N/A	N/A	N/A
518	5.18	1.93	35.85	4.00	9.12E-008	2.40E-004	8.00	25.79	0.00	0.00	0.00	42.99	15.00	122.81	1.41	0.30	6.23	155.87	0.00	1.00	3.60	0.00	122.81	4.03	83.63	0.58	17.36	N/A	N/A	N/A	N/A
519	5.19	1.95	34.62	4.00	1.01E-007	2.68E-004	8.00	26.07	0.00	0.00	0.00	42.59	15.00	124.13	1.42	0.30	6.28	155.30	0.00	1.00	3.76	0.00	124.13	3.90	81.62	0.58	17.32	N/A	N/A	N/A	N/A
520	5.20	1.97	33.30	4.00	1.12E-007	3.01E-004	8.00	26.35	0.00	0.00	0.00	42.13	15.00	125.45	1.43	0.30	6.33	154.65	0.00	1.00	3.96	0.00	125.45	3.77	79.49	0.56	17.28	N/A	N/A	N/A	N/A
521	5.21	1.99	32.22	4.00	1.23E-007	3.34E-004	8.00	26.62	0.00	0.00	0.00	41.77	15.00	126.77	1.44	0.30	6.38	154.14	0.00	1.00	4.13	0.00	126.77	3.65	77.68	0.48	17.25	N/A	N/A	N/A	N/A
522	5.22	2.07	31.66	4.00	1.50E-007	4.23E-004	8.00	27.74	0.00	0.00	0.00	42.00	15.00	132.10	1.50	0.30	6.63	154.59	0.00	1.00	4.38	0.00	132.10	3.42	75.66	0.41	17.24	N/A	N/A	N/A	N/A
523	5.23	2.11	31.59	4.00	1.62E-007	4.68E-004	8.00	28.30	0.00	0.00	0.00	42.23	15.00	134.75	1.53	0.30	6.75	154.98	0.00	1.00	4.48	0.00	134.75	3.33	74.96	0.38	17.25	N/A	N/A	N/A	N/A
524	5.24	2.16	31.56	4.00	1.79E-007	5.29E-004	8.00	29.00	0.00	0.00	0.00	42.52	15.00	138.07	1.56	0.30	6.90	155.49	0.00	1.00	4.59	0.00	138.07	3.23	74.18	0.36	17.25	N/A	N/A	N/A	N/A
525	5.25	2.25	32.35	5.00	2.04E-007	6.29E-004	8.00	30.25	26.00	32.72	37.45	43.44	0.00	0.00	0.00	0.30	0.00	156.96	-0.06	0.00	0.00	0.00	56.89	3.09	73.93	0.35	17.30	N/A	N/A	N/A	N/A
526	5.26	2.28	32.70	5.00	2.11E-007	6.61E-004	9.00	30.67	26.00	32.72	37.72	43.81	0.00	0.00	0.00	0.30	0.00	157.54	-0.06	0.00	0.00	0.00	57.01	3.06	73.96	0.35	17.32	N/A	N/A	N/A	N/A
527	5.27	2.31	33.14	5.00	2.18E-007	6.90E-004	9.00	31.09	26.00	32.74	38.03	44.22	0.00	0.00	0.00	0.30	0.00	158.19	-0.06	0.00	0.00	0.00	57.15	3.03	74.09	0.36	17.34	N/A	N/A	N/A	N/A
528	5.28	2.34	33.96	5.00	2.20E-007	7.06E-004	9.00	31.51	27.00	32.79	38.47	44.81	0.00	0.00	0.00	0.30	0.00	159.09	-0.06	0.00	0.00	0.00	57.38	3.01	74.70	0.38	17.37	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
529	5.29	2.36	34.78	5.00	2.18E-007	7.07E-004	9.00	31.78	27.00	32.86	38.86	45.35	0.00	0.00	0.00	0.30	0.00	159.90	-0.06	0.00	0.00	0.00	57.64	3.02	75.43	0.40	17.40	N/A	N/A	N/A	N/A
530	5.30	2.39	35.85	5.00	2.18E-007	7.16E-004	9.00	32.20	27.00	32.94	39.38	46.06	0.00	0.00	0.00	0.30	0.00	160.96	-0.06	0.00	0.00	0.00	57.93	3.02	76.31	0.43	17.44	N/A	N/A	N/A	N/A
531	5.31	2.41	36.23	5.00	2.21E-007	7.32E-004	9.00	32.48	27.00	32.96	39.62	46.38	0.00	0.00	0.00	0.30	0.00	161.45	-0.06	0.00	0.00	0.00	58.08	3.01	76.49	0.44	17.45	N/A	N/A	N/A	N/A
532	5.32	2.44	36.98	5.00	2.24E-007	7.52E-004	9.00	32.90	27.00	33.00	40.02	46.93	0.00	0.00	0.00	0.30	0.00	162.28	-0.06	0.00	0.00	0.00	58.29	3.00	76.97	0.45	17.48	N/A	N/A	N/A	N/A
533	5.33	2.46	37.77	5.00	2.23E-007	7.55E-004	9.00	33.17	27.00	33.06	40.40	47.44	0.00	0.00	0.00	0.30	0.00	163.03	-0.06	0.00	0.00	0.00	58.53	3.00	77.62	0.48	17.51	N/A	N/A	N/A	N/A
534	5.34	2.41	39.00	4.00	1.93E-007	6.37E-004	9.00	32.47	0.00	0.00	0.00	47.78	15.00	154.63	1.72	0.30	7.59	163.47	0.00	1.00	4.16	0.00	154.63	3.15	79.72	0.57	17.54	N/A	N/A	N/A	N/A
535	5.35	2.36	39.70	4.00	1.70E-007	5.50E-004	9.00	31.77	0.00	0.00	0.00	47.85	15.00	151.28	1.68	0.30	7.42	163.54	0.00	1.00	4.00	0.00	151.28	3.28	81.24	0.58	17.55	N/A	N/A	N/A	N/A
536	5.36	2.30	40.11	4.00	1.48E-007	4.68E-004	9.00	30.93	0.00	0.00	0.00	47.73	15.00	147.27	1.63	0.30	7.22	163.33	0.00	1.00	3.86	0.00	147.27	3.43	82.59	0.58	17.55	N/A	N/A	N/A	N/A
537	5.37	2.17	41.21	4.00	1.09E-007	3.25E-004	9.00	29.10	0.00	0.00	0.00	47.49	15.00	138.59	1.53	0.30	6.79	162.87	0.00	1.00	3.53	0.00	138.59	3.79	85.93	0.58	17.56	N/A	N/A	N/A	N/A
538	5.38	2.10	42.34	4.00	9.01E-008	2.58E-004	9.00	28.12	0.00	0.00	0.00	47.59	15.00	133.91	1.47	0.30	6.56	162.95	0.00	1.00	3.32	0.00	133.91	4.04	88.44	0.58	17.58	N/A	N/A	N/A	N/A
539	5.39	2.03	43.95	4.00	7.23E-008	2.00E-004	8.00	27.14	0.00	0.00	0.00	47.86	15.00	129.24	1.42	0.30	6.33	163.28	0.00	1.00	3.09	0.00	129.24	4.34	91.58	0.58	17.61	N/A	N/A	N/A	N/A
540	5.40	1.85	48.49	4.00	4.01E-008	1.01E-004	8.00	24.62	0.00	0.00	0.00	48.52	15.00	117.22	1.29	0.30	5.75	164.03	0.00	1.00	2.54	0.00	117.22	5.23	100.31	0.58	17.69	N/A	N/A	N/A	N/A
541	5.41	1.77	51.36	4.00	2.95E-008	7.08E-005	8.00	23.49	0.00	0.00	0.00	49.07	15.00	111.88	1.22	0.30	5.49	164.74	0.00	1.00	2.29	0.00	111.88	5.75	105.19	0.58	17.74	N/A	N/A	N/A	N/A
542	5.42	1.73	53.73	4.00	2.44E-008	5.71E-005	8.00	22.93	0.00	0.00	0.00	49.69	15.00	109.20	1.19	0.30	5.35	165.57	0.00	1.00	2.13	0.00	109.20	6.09	108.66	0.58	17.78	N/A	N/A	N/A	N/A
543	5.43	1.67	57.07	3.00	1.86E-008	4.18E-005	8.00	22.09	0.00	0.00	0.00	50.45	15.00	105.18	1.15	0.30	5.15	166.58	0.00	1.00	1.94	0.00	105.18	6.61	113.55	0.58	17.84	N/A	N/A	N/A	N/A
544	5.44	1.63	59.02	3.00	1.56E-008	3.42E-005	8.00	21.53	0.00	0.00	0.00	50.85	15.00	102.50	1.12	0.30	5.02	167.09	0.00	1.00	1.82	0.00	102.50	6.96	116.44	0.58	17.87	N/A	N/A	N/A	N/A
545	5.45	1.55	63.37	3.00	1.08E-008	2.24E-005	8.00	20.40	0.00	0.00	0.00	51.69	15.00	97.16	1.06	0.30	4.75	168.18	0.00	1.00	1.61	0.00	97.16	7.74	122.57	0.58	17.93	N/A	N/A	N/A	N/A
546	5.46	1.54	65.46	3.00	9.78E-009	2.02E-005	8.00	20.26	0.00	0.00	0.00	52.35	15.00	96.48	1.05	0.30	4.71	169.08	0.00	1.00	1.55	0.00	96.48	7.96	124.87	0.58	17.96	N/A	N/A	N/A	N/A
547	5.47	1.55	69.37	3.00	8.96E-009	1.86E-005	8.00	20.40	0.00	0.00	0.00	53.76	15.00	97.14	1.05	0.30	4.73	171.01	0.00	1.00	1.47	0.00	97.14	8.16	128.64	0.58	18.03	N/A	N/A	N/A	N/A
548	5.48	1.55	71.48	3.00	8.40E-009	1.75E-005	8.00	20.40	0.00	0.00	0.00	54.47	15.00	97.13	1.05	0.30	4.72	171.98	0.00	1.00	1.43	0.00	97.13	8.31	130.68	0.58	18.07	N/A	N/A	N/A	N/A
549	5.49	1.55	73.12	3.00	8.00E-009	1.66E-005	8.00	20.39	0.00	0.00	0.00	55.04	15.00	97.12	1.05	0.30	4.71	172.75	0.00	1.00	1.39	0.00	97.12	8.42	132.23	0.58	18.09	N/A	N/A	N/A	N/A
550	5.50	1.56	75.10	3.00	7.78E-009	1.63E-005	8.00	20.53	0.00	0.00	0.00	55.80	15.00	97.78	1.05	0.30	4.73	173.77	0.00	1.00	1.37	0.00	97.78	8.49	133.91	0.58	18.13	N/A	N/A	N/A	N/A
551	5.51	1.58	75.14	3.00	8.20E-009	1.74E-005	8.00	20.81	0.00	0.00	0.00	56.04	15.00	99.11	1.06	0.30	4.79	174.12	0.00	1.00	1.38	0.00	99.11	8.36	133.50	0.58	18.13	N/A	N/A	N/A	N/A
552	5.52	1.60	74.98	3.00	8.67E-009	1.86E-005	8.00	21.09	0.00	0.00	0.00	56.22	15.00	100.43	1.08	0.30	4.84	174.39	0.00	1.00	1.41	0.00	100.43	8.23	132.90	0.58	18.13	N/A	N/A	N/A	N/A
553	5.53	1.68	73.97	3.00	1.11E-008	2.50E-005	8.00	22.21	0.00	0.00	0.00	56.66	15.00	105.75	1.13	0.30	5.09	175.05	0.00	1.00	1.50	0.00	105.75	7.69	130.38	0.58	18.14	N/A	N/A	N/A	N/A
554	5.54	1.71	74.03	3.00	1.19E-008	2.75E-005	8.00	22.63	0.00	0.00	0.00	56.98	15.00	107.74	1.15	0.30	5.18	175.52	0.00	1.00	1.53	0.00	107.74	7.52	129.81	0.58	18.15	N/A	N/A	N/A	N/A
555	5.55	1.80	73.78	3.00	1.50E-008	3.66E-005	9.00	23.88	0.00	0.00	0.00	57.71	15.00	113.73	1.21	0.30	5.45	176.57	0.00	1.00	1.62	0.00	113.73	7.03	127.81	0.58	18.16	N/A	N/A	N/A	N/A
556	5.56	1.85	73.69	3.00	1.70E-008	4.25E-005	9.00	24.58	0.00	0.00	0.00	58.15	15.00	117.06	1.24	0.30	5.60	177.19	0.00	1.00	1.67	0.00	117.06	6.79	126.69	0.58	18.17	N/A	N/A	N/A	N/A
557	5.57	1.91	73.43	3.00	1.96E-008	5.08E-005	9.00	25.42	0.00	0.00	0.00	58.61	15.00	121.04	1.28	0.30	5.77	177.84	0.00	1.00	1.73	0.00	121.04	6.51	125.22	0.58	18.18	N/A	N/A	N/A	N/A
558	5.58	2.00	73.21	3.00	2.41E-008	6.55E-005	9.00	26.68	0.00	0.00	0.00	59.30	15.00	127.03	1.35	0.30	6.04	178.82	0.00	1.00	1.82	0.00	127.03	6.12	123.23	0.58	18.19	N/A	N/A	N/A	N/A
559	5.59	2.04	72.55	3.00	2.66E-008	7.40E-005	9.00	27.23	0.00	0.00	0.00	59.43	15.00	129.69	1.37	0.30	6.15	179.04	0.00	1.00	1.88	0.00	129.69	5.93	121.75	0.58	18.19	N/A	N/A	N/A	N/A
560	5.60	2.08	72.27	4.00	2.91E-008	8.25E-005	9.00	27.79	0.00	0.00	0.00	59.69	15.00	132.34	1.40	0.30	6.27	179.41	0.00	1.00	1.92	0.00	132.34	5.78	120.66	0.58	18.19	N/A	N/A	N/A	N/A
561	5.61	2.06	72.83	3.00	2.74E-008	7.67E-005	9.00	27.51	0.00	0.00	0.00	59.77	15.00	131.00	1.38	0.30	6.19	179.51	0.00	1.00	1.89	0.00	131.00	5.89	121.53	0.58	18.20	N/A	N/A	N/A	N/A
562	5.62	1.97	73.18	3.00	2.21E-008	5.92E-005	9.00	26.25	0.00	0.00	0.00	59.23	15.00	124.99	1.31	0.30	5.90	178.75	0.00	1.00	1.79	0.00	124.99	6.28	123.51	0.58	18.19	N/A	N/A	N/A	N/A
563	5.63	1.92	72.58	3.00	1.99E-008	5.19E-005	9.00	25.54	0.00	0.00	0.00	58.68	15.00	121.64	1.28	0.30	5.74	178.00	0.00	1.00	1.76	0.00	121.64	6.47	123.79	0.58	18.17	N/A	N/A	N/A	N/A
564	5.64	1.86	70.00	3.00	1.85E-008	4.65E-005	9.00	24.70	0.00	0.00	0.00	57.37	15.00	117.63	1.23	0.30	5.54	176.27	0.00	1.00	1.76	0.00	117.63	6.62	122.28	0.58	18.11	N/A	N/A	N/A	N/A
565	5.65	1.84	69.11	3.00	1.79E-008	4.46E-005	9.00	24.42	0.00	0.00	0.00	56.95	15.00	116.28	1.22	0.30	5.46	175.71	0.00	1.00	1.77	0.00	116.28	6.68	121.69	0.58	18.09	N/A	N/A	N/A	N/A
566	5.66	1.80	68.33	3.00	1.65E-008	4.02E-005	9.00	23.86	0.00	0.00	0.00	56.40	15.00	113.60	1.19	0.30	5.33	174.96	0.00	1.00	1.75	0.00	113.60	6.84	121.58	0.58	18.07	N/A	N/A	N/A	N/A
567	5.67	1.80	67.41	3.00	1.69E-008	4.10E-005	9.00	23.85	0.00	0.00	0.00	56.13	15.00	113.59	1.18	0.30	5.32	174.62	0.00	1.00	1.77	0.00	113.59	6.80	120.58	0.58	18.06	N/A	N/A	N/A	N/A
568	5.68	1.85	67.35	3.00	1.90E-008	4.76E-005	9.00	24.55	0.00	0.00	0.00	56.56	15.00	116.91	1.21	0.30	5.46	175.24	0.00	1.00	1.82	0.00	116.91	6.56	119.53	0.58	18.07	N/A	N/A	N/A	N/A
569	5.69	1.92	66.97	3.00	2.26E-008	5.89E-005	9.00	25.53	0.00	0.00	0.00	57.03	15.00	121.57	1.26	0.30	5.67	175.93	0.00	1.00	1.91	0.00	121.57	6.24	117.79	0.58	18.07	N/A	N/A	N/A	N/A
570	5.70	2.07	67.92	4.00	3.07E-008	8.64E-005	9.00	27.63	0.00	0.00	0.00	58.55	15.00	131.57	1.36	0.30	6.12	178.05	0.00	1.00	2.03	0.00	131.57	5.69	115.93	0.58	18.12	N/A	N/A	N/A	N/A
571	5.71	2.13	68.33	4.00	3.43E-008	9.95E-005	9.00	28.47	0.00	0.00	0.00	59.18	15.00	135.57	1.40	0.30	6.29	178.92	0.00	1.00	2.08	0.00	135.57	5.49	115.19	0.58	18.14	N/A	N/A	N/A	N/A
572	5.72	2.21	70.31	4.00	3.81E-008	1.15E-004	10.00	29.59	0.00	0.00	0.00	60.51	15.00	140.90	1.45	0.30	6.52	180.67	0.00	1.00	2.10	0.00	140.90	5.32	115.65	0.58	18.18	N/A	N/A	N/A	N/A
573	5.73	2.25	71.01	4.00	4.03E-008	1.24E-004	10.00	30.15	0.00	0.00	0.00	61.08	15.00	143.55	1.48	0.30	6.63	181.44	0.00	1.00	2.12	0.00	143.55	5.23	115.56	0.58	18.20	N/A	N/A	N/A	N/A
574	5.74	2.25	71.64	4.00	3.95E-008	1.21E-004	10.00	30.14	0.00	0.00	0.00	61.35	15.00	143.54	1.47	0.30	6.62	181.78	0.00	1.00	2.10	0.00	143.54	5.26	116.12	0.58	18.21	N/A	N/A	N/A	N/A
575	5.75	2.23	70.72	4.00	3.87E-008	1.18E-004	10.00	29.86	0.00	0.00	0.00	60.93	15.00	142.19	1.46	0.30	6.55	181.25	0.00	1.00	2.11	0.00	142.19	5.29	115.53	0.58	18.19	N/A	N/A	N/A	N/A
576	5.76	2.22	68.23	4.00	4.04E-008	1.22E-004	10.00	29.72	0.00	0.00	0.00	60.02	15.00	141.52	1.45	0.30	6.51	180.10	0.00	1.00	2.18	0.00	141.52	5.22	113.21	0.58	18.15	N/A	N/A	N/A	N/A
577	5.77	2.21	64.45	4.00	4.40E-008	1.33E-004	10.00	29.58	0.00	0.00	0.00	58.61	15.00	140.84	1.44	0.30	6.46	178.31	0.00	1.00	2.29	0.00	140.84	5.09	109.56	0.58	18.08	N/A	N/A	N/A	N/A
578	5.78	2.21	63.28	4.00	4.53E-008	1.37E-004	10.00	29.57	0.00	0.00	0.00	58.22	15.00	140.83	1.44	0.30	6.45	177.82	0.00	1.00	2.34	0.00	140.83	5.04	108.33	0.58	18.06	N/A	N/A	N/A	N/A
579	5.79	2.23	61.55	4.00	4.94E-008	1.50E-004	10.00	29.85	0.00	0.00	0.00	57.75	15.00	142.15	1.45	0.30	6.50	177.24	0.00	1.00	2.42	0.00	142.15	4.90	106.17	0.58	18.03	N/A	N/A	N/A	N/A
580	5.80	2.25	60.57	4.00	5.28E-008	1.62E-004	10.00	30.13	0.00	0.00	0.00	57.56	15.00	143.47	1.46	0.30	6.55	177.02	0.00	1.00	2.49	0.00	143.47	4.80	104.78	0.58	18.02	N/A	N/A	N/A	N/A
581	5.81	2.28	59.72	4.00	5.72E-008	1.78E-004	10.00	30.55	0.00	0.00	0.00	57.47	15.00	145.45	1.48	0.30	6.63	176.94	0.00	1.00	2.56	0.00	145.45	4.68	103.35	0.58	18.01	N/A	N/A	N/A	N/A
582	5.82	2.30	57.83	4.00	6.29E-008	1.98E-004	10.00	30.82	0.00	0.00	0.00	56.91	15.00	146.78	1.49	0.30	6.67	176.23	0.00	1.00	2.66	0.00	146.78	4.54	101.02	0.58	17.97	N/A	N/A	N/A	N/A
583	5.83	2.30	56.25	4.00	6.59E-008	2.07E-004	10.00	30.82	0.00	0.00	0.00	56.32	15.00	146.77	1.48	0.30	6.66	175.48	0.00	1.00	2.74	0.00	146.77	4.47	99.34	0.58	17.94	N/A	N/A	N/A	N/A
584	5.84	2.29	54.64	4.00	6.79E-008	2.12E-004	10.00	30.68	0.00	0.00	0.00	55.65	15.00	146.09	1.47	0.30	6.62	174.61	0.00	1.00	2.81	0.00	146.09	4.43	97.77	0.58	17.91	N/A	N/A	N/A	N/A
585	5.85	2.23	52.31	4.00	6.50E-008	1.98E-004	9.00	29.84	0.00	0.00	0.00	54.36	15.00	142.07	1.43	0.30	6.43	172.86	0.00	1.00	2.85	0.00	142.07	4.49	96.24	0.58	17.85	N/A	N/A	N/A	N/A
586	5.86	2.17	51.55	4.00	5.89E-008	1.74E-004	9.00	28.99	0.00	0.00	0.00	53.70	15.00	138.06	1.39	0.30	6.24	171.93	0.00	1.00	2.81	0.00	138.06	4.64	96.38	0.58	17.82	N/A	N/A	N/A	N/A
587	5.87	1.99	50.86	4.00	4.09E-008	1.10E-004	9.00	26.47	0.00	0.00	0.00	52.24	15.00	126.05	1.26	0.30	5.69	169.81	0.00	1.00	2.60	0.00	126.05	5.20	98.63	0.58	17.77	N/A	N/A	N/A	N/A
588	5.88	1.87	50.10	4.00	3.16E-008	7.99E-005	8.00	24.79	0.00	0.00	0.00	51.11	15.00	118.03	1.18	0.30	5.32	168.17	0.00	1.00	2.47	0.00	118.03	5.63	99.81	0.58	17.73	N/A	N/A	N/A	N/A
589	5.89	1.67	49.50	3.00	1.93E-008	4.33E-005	8.00	21.98	0.00	0.00	0.00	49.40	15.00	104.68	1.05	0.30	4.71	165.59	0.00	1.00	2.22	0.00	104.68	6.53	102.56	0.58	17.67	N/A	N/A	N/A	N/A
590	5.90	1.58	50.04	3.00	1.47E-008	3.10E-005	8.00	20.72	0.00	0.00	0.00	48.91	15.00	98.67	0.98	0.30	4.43	164.82	0.00	1.00	2.07	0.00	98.67	7.08	104.65	0.58	17.66	N/A	N/A	N/A	N/A
591	5.91	1.58	50.04	3.00	1.46E-008	3.09E-005	8.00	20.72	0.00	0.00	0.00	48.95	15.00	98.66	0.98	0.30	4.42	164.88	0.00	1.00	2.07	0.00	98.66	7.09	104.60	0.58	17.66	N/A	N/A	N/A	N/A
592	5.92	1.58	50.04	3.00	1.45E-008	3.07E-005	8.00	20.72	0.00	0.00	0.00	48.99	15.00	98.65	0.98	0.30	4.42	164.94	0.00	1.00	2.07	0.00	98.65	7.10	104.55	0.58	17.66	N/A	N/A	N/A	N/A
593	5.93	1.51	48.08	3.00	1.27E-008	2.55E-005	7.00	19.72	0.00	0.00	0.00	47.67	15.00	93.96	0.93	0.30	4.20	163.00	0.00	1.00	2.05	0.00	93.96	7.39	103.47	0.58	17.60	N/A	N/A	N/A	N/A
594	5.94	1.37	51.87	3.00	7.01E-009	1.14E-005	7.00	15.96	0.00	0.00	0.00	47.90	15.00	84.61	0.84	0.30	3.77	163.17	0.00	1.00	1.71	0.00	84.61	8.74	109.88	0.58	17.65	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
595	5.95	1.31	54.42	3.00	5.19E-009	7.65E-006	7.00	14.46	0.00	0.00	0.00	48.29	15.00	80.60	0.80	0.30	3.59	163.65	0.00	1.00	1.56	0.00	80.60	9.49	113.47	0.54	17.69	N/A	N/A	N/A	N/A
596	5.96	1.27	56.94	3.00	4.11E-009	5.65E-006	7.00	13.49	0.00	0.00	0.00	48.81	15.00	77.92	0.77	0.30	3.46	164.35	0.00	1.00	1.44	0.00	77.92	10.10	116.62	0.56	17.73	N/A	N/A	N/A	N/A
597	5.97	1.26	61.01	3.00	3.46E-009	4.67E-006	7.00	13.24	0.00	0.00	0.00	50.14	15.00	77.25	0.76	0.30	3.43	166.20	0.00	1.00	1.33	0.00	77.25	10.58	120.83	0.60	17.81	N/A	N/A	N/A	N/A
598	5.98	1.26	62.24	3.00	3.32E-009	4.47E-006	7.00	13.21	0.00	0.00	0.00	50.59	15.00	77.24	0.76	0.30	3.42	166.84	0.00	1.00	1.30	0.00	77.24	10.70	121.97	0.61	17.83	N/A	N/A	N/A	N/A
599	5.99	1.26	62.71	3.00	3.25E-009	4.37E-006	7.00	13.19	0.00	0.00	0.00	50.78	15.00	77.23	0.76	0.30	3.41	167.12	0.00	1.00	1.29	0.00	77.23	10.75	122.36	0.62	17.84	N/A	N/A	N/A	N/A
600	6.00	1.27	61.39	3.00	3.50E-009	4.77E-006	7.00	13.39	0.00	0.00	0.00	50.48	15.00	77.89	0.76	0.30	3.44	166.73	0.00	1.00	1.33	0.00	77.89	10.55	120.84	0.60	17.82	N/A	N/A	N/A	N/A
601	6.01	1.27	60.32	3.00	3.60E-009	4.90E-006	7.00	13.36	0.00	0.00	0.00	50.16	15.00	77.88	0.76	0.30	3.43	166.28	0.00	1.00	1.36	0.00	77.88	10.47	119.69	0.59	17.80	N/A	N/A	N/A	N/A
602	6.02	1.29	58.30	3.00	4.11E-009	5.78E-006	7.00	13.79	0.00	0.00	0.00	49.71	15.00	79.20	0.77	0.30	3.48	165.69	0.00	1.00	1.43	0.00	79.20	10.10	117.30	0.57	17.76	N/A	N/A	N/A	N/A
603	6.03	1.31	57.16	3.00	4.56E-009	6.61E-006	7.00	14.23	0.00	0.00	0.00	49.55	15.00	80.52	0.79	0.30	3.54	165.50	0.00	1.00	1.48	0.00	80.52	9.82	115.78	0.56	17.75	N/A	N/A	N/A	N/A
604	6.04	1.34	56.19	3.00	5.20E-009	7.91E-006	7.00	14.92	0.00	0.00	0.00	49.54	15.00	82.51	0.80	0.30	3.62	165.54	0.00	1.00	1.54	0.00	82.51	9.48	114.28	0.55	17.73	N/A	N/A	N/A	N/A
605	6.05	1.35	55.08	3.00	5.56E-009	8.58E-006	7.00	15.13	0.00	0.00	0.00	49.28	15.00	83.16	0.81	0.30	3.64	165.19	0.00	1.00	1.59	0.00	83.16	9.31	112.91	0.54	17.71	N/A	N/A	N/A	N/A
606	6.06	1.33	55.11	3.00	5.16E-009	7.69E-006	7.00	14.62	0.00	0.00	0.00	49.13	15.00	81.82	0.79	0.30	3.57	164.96	0.00	1.00	1.56	0.00	81.82	9.50	113.17	0.53	17.71	N/A	N/A	N/A	N/A
607	6.07	1.30	53.70	3.00	4.85E-009	6.87E-006	7.00	13.89	0.00	0.00	0.00	48.35	15.00	79.81	0.77	0.30	3.48	163.84	0.00	1.00	1.56	0.00	79.81	9.66	112.06	0.52	17.67	N/A	N/A	N/A	N/A
608	6.08	1.29	52.50	3.00	4.86E-009	6.75E-006	7.00	13.63	0.00	0.00	0.00	47.85	15.00	79.13	0.77	0.30	3.44	163.12	0.00	1.00	1.58	0.00	79.13	9.66	110.87	0.51	17.64	N/A	N/A	N/A	N/A
609	6.09	1.28	50.92	3.00	4.94E-009	6.73E-006	7.00	13.37	0.00	0.00	0.00	47.20	15.00	78.45	0.76	0.30	3.41	162.18	0.00	1.00	1.62	0.00	78.45	9.61	109.26	0.49	17.60	N/A	N/A	N/A	N/A
610	6.10	1.29	47.61	3.00	5.77E-009	7.98E-006	7.00	13.57	0.00	0.00	0.00	46.08	15.00	79.10	0.76	0.30	3.43	160.59	0.00	1.00	1.74	0.00	79.10	9.22	105.44	0.46	17.53	N/A	N/A	N/A	N/A
611	6.11	1.36	45.84	3.00	7.85E-009	1.22E-005	7.00	15.19	0.00	0.00	0.00	46.08	15.00	83.76	0.81	0.30	3.63	160.70	0.00	1.00	1.92	0.00	83.76	8.47	102.36	0.58	17.51	N/A	N/A	N/A	N/A
612	6.12	1.47	44.99	3.00	1.16E-008	2.11E-005	7.00	17.93	0.00	0.00	0.00	46.75	15.00	91.08	0.88	0.30	3.94	161.82	0.00	1.00	2.13	0.00	91.08	7.59	99.64	0.58	17.51	N/A	N/A	N/A	N/A
613	6.13	1.72	47.64	4.00	2.12E-008	4.90E-005	8.00	22.63	0.00	0.00	0.00	49.90	15.00	107.75	1.03	0.30	4.65	166.58	0.00	1.00	2.37	0.00	107.75	6.35	98.56	0.58	17.64	N/A	N/A	N/A	N/A
614	6.14	1.93	49.38	4.00	3.34E-008	8.69E-005	9.00	25.57	0.00	0.00	0.00	52.21	15.00	121.75	1.17	0.30	5.25	169.98	0.00	1.00	2.59	0.00	121.75	5.54	97.01	0.58	17.73	N/A	N/A	N/A	N/A
615	6.15	2.63	50.86	4.00	1.26E-007	4.54E-004	10.00	35.37	0.00	0.00	0.00	57.29	15.00	168.42	1.61	0.30	7.27	177.29	0.00	1.00	3.48	0.00	168.42	3.62	87.84	0.58	17.88	N/A	N/A	N/A	N/A
616	6.16	2.97	51.02	5.00	2.14E-007	8.74E-004	11.00	40.13	28.00	33.57	49.25	59.23	0.00	0.00	0.00	0.30	0.00	180.02	-0.07	0.00	0.00	0.00	69.55	3.04	83.66	0.66	17.93	N/A	N/A	N/A	N/A
617	6.17	3.36	50.92	5.00	3.68E-007	1.71E-003	12.00	45.58	30.00	33.23	50.71	61.13	0.00	0.00	0.00	0.30	0.00	182.66	-0.07	0.00	0.00	0.00	68.76	2.55	79.56	0.56	17.97	N/A	N/A	N/A	N/A
618	6.18	3.46	49.91	5.00	4.32E-007	2.07E-003	12.00	46.98	30.00	33.07	50.77	61.16	0.00	0.00	0.00	0.30	0.00	182.77	-0.06	0.00	0.00	0.00	68.48	2.42	77.81	0.49	17.96	N/A	N/A	N/A	N/A
619	6.19	3.53	49.12	5.00	4.83E-007	2.36E-003	12.00	47.96	31.00	32.96	50.78	61.14	0.00	0.00	0.00	0.30	0.00	182.79	-0.06	0.00	0.00	0.00	68.31	2.34	76.58	0.44	17.95	N/A	N/A	N/A	N/A
620	6.20	3.54	48.81	5.00	4.93E-007	2.42E-003	12.00	48.10	31.00	32.93	50.75	61.08	0.00	0.00	0.00	0.30	0.00	182.73	-0.06	0.00	0.00	0.00	68.34	2.32	76.22	0.43	17.95	N/A	N/A	N/A	N/A
621	6.21	3.53	47.80	5.00	5.03E-007	2.46E-003	12.00	47.95	31.00	32.86	50.41	60.58	0.00	0.00	0.00	0.30	0.00	182.12	-0.06	0.00	0.00	0.00	68.26	2.31	75.41	0.40	17.92	N/A	N/A	N/A	N/A
622	6.22	3.50	47.77	5.00	4.84E-007	2.34E-003	12.00	47.53	30.00	32.87	50.33	60.47	0.00	0.00	0.00	0.30	0.00	181.97	-0.06	0.00	0.00	0.00	68.42	2.34	75.57	0.40	17.92	N/A	N/A	N/A	N/A
623	6.23	3.46	47.74	5.00	4.59E-007	2.20E-003	12.00	46.97	30.00	32.90	50.21	60.32	0.00	0.00	0.00	0.30	0.00	181.76	-0.06	0.00	0.00	0.00	68.59	2.38	75.82	0.41	17.91	N/A	N/A	N/A	N/A
624	6.24	3.34	49.12	5.00	3.72E-007	1.72E-003	12.00	45.29	30.00	33.09	50.28	60.46	0.00	0.00	0.00	0.30	0.00	181.88	-0.06	0.00	0.00	0.00	69.22	2.54	77.98	0.49	17.93	N/A	N/A	N/A	N/A
625	6.25	3.26	49.63	5.00	3.27E-007	1.47E-003	12.00	44.16	29.00	33.19	50.19	60.36	0.00	0.00	0.00	0.30	0.00	181.72	-0.07	0.00	0.00	0.00	69.60	2.65	79.14	0.54	17.93	N/A	N/A	N/A	N/A
626	6.26	3.09	51.24	5.00	2.43E-007	1.03E-003	11.00	41.78	28.00	33.46	50.10	60.32	0.00	0.00	0.00	0.30	0.00	181.57	-0.07	0.00	0.00	0.00	70.44	2.92	82.32	0.66	17.95	N/A	N/A	N/A	N/A
627	6.27	3.00	50.95	5.00	2.15E-007	8.86E-004	11.00	40.52	28.00	33.52	49.70	59.77	0.00	0.00	0.00	0.30	0.00	180.83	-0.07	0.00	0.00	0.00	70.72	3.04	83.02	0.66	17.93	N/A	N/A	N/A	N/A
628	6.28	2.92	51.11	4.00	1.88E-007	7.57E-004	11.00	39.40	0.00	0.00	0.00	59.46	15.00	187.60	1.75	0.30	7.95	180.40	0.00	1.00	3.85	0.00	187.60	3.17	84.09	0.58	17.92	N/A	N/A	N/A	N/A
629	6.29	2.82	50.54	4.00	1.64E-007	6.36E-004	11.00	37.99	0.00	0.00	0.00	58.72	15.00	180.92	1.69	0.30	7.65	179.40	0.00	1.00	3.76	0.00	180.92	3.32	84.73	0.58	17.90	N/A	N/A	N/A	N/A
630	6.30	2.80	50.16	4.00	1.61E-007	6.17E-004	11.00	37.71	0.00	0.00	0.00	58.48	15.00	179.58	1.67	0.30	7.59	179.08	0.00	1.00	3.76	0.00	179.58	3.34	84.58	0.58	17.89	N/A	N/A	N/A	N/A
631	6.31	2.80	49.97	4.00	1.61E-007	6.19E-004	11.00	37.71	0.00	0.00	0.00	58.43	15.00	179.56	1.67	0.30	7.57	179.03	0.00	1.00	3.77	0.00	179.56	3.34	84.37	0.58	17.88	N/A	N/A	N/A	N/A
632	6.32	2.81	51.43	4.00	1.55E-007	5.97E-004	11.00	37.85	0.00	0.00	0.00	59.18	15.00	180.22	1.67	0.30	7.59	180.00	0.00	1.00	3.68	0.00	180.22	3.39	85.66	0.58	17.92	N/A	N/A	N/A	N/A
633	6.33	2.80	52.09	4.00	1.48E-007	5.70E-004	11.00	37.70	0.00	0.00	0.00	59.46	15.00	179.54	1.66	0.30	7.55	180.36	0.00	1.00	3.62	0.00	179.54	3.43	86.41	0.58	17.93	N/A	N/A	N/A	N/A
634	6.34	2.80	52.53	4.00	1.45E-007	5.59E-004	11.00	37.70	0.00	0.00	0.00	59.69	15.00	179.53	1.66	0.30	7.54	180.67	0.00	1.00	3.59	0.00	179.53	3.46	86.82	0.58	17.94	N/A	N/A	N/A	N/A
635	6.35	2.77	53.51	4.00	1.34E-007	5.07E-004	11.00	37.28	0.00	0.00	0.00	60.00	15.00	177.52	1.64	0.30	7.44	181.05	0.00	1.00	3.48	0.00	177.52	3.55	88.14	0.58	17.96	N/A	N/A	N/A	N/A
636	6.36	2.74	53.63	4.00	1.26E-007	4.74E-004	11.00	36.86	0.00	0.00	0.00	59.92	15.00	175.50	1.62	0.30	7.34	180.94	0.00	1.00	3.44	0.00	175.50	3.62	88.63	0.58	17.96	N/A	N/A	N/A	N/A
637	6.37	2.69	53.47	4.00	1.16E-007	4.29E-004	11.00	36.15	0.00	0.00	0.00	59.61	15.00	172.16	1.59	0.30	7.19	180.52	0.00	1.00	3.38	0.00	172.16	3.72	89.12	0.58	17.94	N/A	N/A	N/A	N/A
638	6.38	2.65	52.91	4.00	1.11E-007	4.01E-004	11.00	35.59	0.00	0.00	0.00	59.18	15.00	169.48	1.56	0.30	7.07	179.95	0.00	1.00	3.36	0.00	169.48	3.78	89.08	0.58	17.93	N/A	N/A	N/A	N/A
639	6.39	2.62	52.18	4.00	1.07E-007	3.85E-004	10.00	35.17	0.00	0.00	0.00	58.72	15.00	167.47	1.54	0.30	6.97	179.36	0.00	1.00	3.37	0.00	167.47	3.82	88.74	0.58	17.91	N/A	N/A	N/A	N/A
640	6.40	2.59	51.68	4.00	1.03E-007	3.66E-004	10.00	34.75	0.00	0.00	0.00	58.37	15.00	165.46	1.52	0.30	6.88	178.90	0.00	1.00	3.36	0.00	165.46	3.87	88.63	0.58	17.89	N/A	N/A	N/A	N/A
641	6.41	2.54	50.76	4.00	9.74E-008	3.38E-004	10.00	34.04	0.00	0.00	0.00	57.71	15.00	162.11	1.48	0.30	6.73	178.02	0.00	1.00	3.35	0.00	162.11	3.94	88.37	0.58	17.86	N/A	N/A	N/A	N/A
642	6.42	2.49	50.04	4.00	9.10E-008	3.09E-004	10.00	33.34	0.00	0.00	0.00	57.13	15.00	158.77	1.45	0.30	6.58	177.26	0.00	1.00	3.33	0.00	158.77	4.03	88.32	0.58	17.84	N/A	N/A	N/A	N/A
643	6.43	2.45	49.60	4.00	8.57E-008	2.86E-004	10.00	32.78	0.00	0.00	0.00	56.74	15.00	156.09	1.42	0.30	6.45	176.72	0.00	1.00	3.30	0.00	156.09	4.11	88.40	0.58	17.82	N/A	N/A	N/A	N/A
644	6.44	2.29	48.62	4.00	6.53E-008	2.03E-004	10.00	30.54	0.00	0.00	0.00	55.37	15.00	145.41	1.32	0.30	6.00	174.82	0.00	1.00	3.14	0.00	145.41	4.49	89.66	0.58	17.77	N/A	N/A	N/A	N/A
645	6.45	2.19	48.62	4.00	5.31E-008	1.58E-004	9.00	29.13	0.00	0.00	0.00	54.77	15.00	138.73	1.26	0.30	5.71	173.96	0.00	1.00	3.00	0.00	138.73	4.79	91.12	0.58	17.76	N/A	N/A	N/A	N/A
646	6.46	2.09	48.71	4.00	4.27E-008	1.21E-004	9.00	27.73	0.00	0.00	0.00	54.20	15.00	132.05	1.20	0.30	5.42	173.12	0.00	1.00	2.85	0.00	132.05	5.13	92.69	0.58	17.74	N/A	N/A	N/A	N/A
647	6.47	1.97	49.09	4.00	3.20E-008	8.51E-005	9.00	26.05	0.00	0.00	0.00	53.58	15.00	124.03	1.12	0.30	5.07	172.19	0.00	1.00	2.65	0.00	124.03	5.61	94.89	0.58	17.73	N/A	N/A	N/A	N/A
648	6.48	1.94	48.97	4.00	2.99E-008	7.81E-005	9.00	25.62	0.00	0.00	0.00	53.35	15.00	122.02	1.10	0.30	4.98	171.87	0.00	1.00	2.62	0.00	122.02	5.73	95.18	0.58	17.72	N/A	N/A	N/A	N/A
649	6.49	1.87	49.31	4.00	2.48E-008	6.24E-005	9.00	24.64	0.00	0.00	0.00	53.03	15.00	117.34	1.06	0.30	4.78	171.38	0.00	1.00	2.50	0.00	117.34	6.06	96.57	0.58	17.71	N/A	N/A	N/A	N/A
650	6.50	1.79	49.88	3.00	1.98E-008	4.75E-005	8.00	23.52	0.00	0.00	0.00	52.71	15.00	112.00	1.01	0.30	4.55	170.88	0.00	1.00	2.36	0.00	112.00	6.48	98.35	0.58	17.71	N/A	N/A	N/A	N/A
651	6.51	1.68	50.10	3.00	1.47E-008	3.28E-005	8.00	21.98	0.00	0.00	0.00	51.97	15.00	104.65	0.94	0.30	4.24	169.77	0.00	1.00	2.19	0.00	104.65	7.09	100.20	0.58	17.69	N/A	N/A	N/A	N/A
652	6.52	1.48	53.76	3.00	7.18E-009	1.23E-005	8.00	16.86	0.00	0.00	0.00	51.68	15.00	91.30	0.82	0.30	3.69	169.15	0.00	1.00	1.78	0.00	91.30	8.68	106.87	0.58	17.72	N/A	N/A	N/A	N/A
653	6.53	1.45	56.06	3.00	6.02E-009	9.88E-006	8.00	16.10	0.00	0.00	0.00	52.30	15.00	89.29	0.80	0.30	3.61	169.96	0.00	1.00	1.67	0.00	89.29	9.11	109.54	0.50	17.76	N/A	N/A	N/A	N/A
654	6.54	1.46	62.40	3.00	5.06E-009	8.42E-006	8.00	16.31	0.00	0.00	0.00	54.75	15.00	89.95	0.81	0.30	3.63	173.27	0.00	1.00	1.51	0.00	89.95	9.55	115.49	0.56	17.89	N/A	N/A	N/A	N/A
655	6.55	1.53	63.56	3.00	6.04E-009	1.11E-005	8.00	18.02	0.00	0.00	0.00	55.89	15.00	94.60	0.85	0.30	3.81	174.88	0.00	1.00	1.56	0.00	94.60	9.10	115.56	0.57	17.93	N/A	N/A	N/A	N/A
656	6.56	1.62	66.78	3.00	7.13E-009	1.48E-005	8.00	20.34	0.00	0.00	0.00	57.94	15.00	100.60	0.90	0.30	4.04	177.66	0.00	1.00	1.58	0.00	100.60	8.70	117.23	0.58	18.01	N/A	N/A	N/A	N/A
657	6.57	1.71	66.65	3.00	9.12E-009	2.08E-005	9.00	22.38	0.00	0.00	0.00	58.76	15.00	106.59	0.95	0.30	4.28	178.84	0.00	1.00	1.68	0.00	106.59	8.12	115.75	0.58	18.02	N/A	N/A	N/A	N/A
658	6.58	1.78	66.05	3.00	1.11E-008	2.64E-005	9.00	23.36	0.00	0.00	0.00	59.21	15.00	111.25	0.99	0.30	4.46	179.49	0.00	1.00	1.77	0.00	111.25	7.68	114.10	0.58	18.03	N/A	N/A	N/A	N/A
659	6.59	1.81	65.74	3.00	1.20E-008	2.92E-005	9.00	23.78	0.00	0.00	0.00	59.40	15.00	113.24	1.01	0.30	4.53	179.77	0.00	1.00	1.81	0.00	113.24	7.50	113.30	0.58	18.03	N/A	N/A	N/A	N/A
660	6.60	1.78	65.27	3.00	1.13E-008	2.68E-005	9.00	23.36	0.00	0.00	0.00	59.01	15.00	111.22	0.99	0.30	4.44	179.25	0.00	1.00	1.79	0.00	111.22	7.65	113.26	0.58	18.02	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
661	6.61	1.62	64.64	3.00	7.42E-009	1.52E-005	8.00	20.16	0.00	0.00	0.00	57.36	15.00	100.54	0.89	0.30	4.01	176.97	0.00	1.00	1.63	0.00	100.54	8.60	114.94	0.58	17.97	N/A	N/A	N/A	N/A
662	6.62	1.53	64.23	3.00	5.75E-009	1.04E-005	8.00	17.79	0.00	0.00	0.00	56.39	15.00	94.53	0.84	0.30	3.76	175.60	0.00	1.00	1.55	0.00	94.53	9.23	115.75	0.57	17.94	N/A	N/A	N/A	N/A
663	6.63	1.42	63.37	3.00	4.16E-009	6.40E-006	8.00	15.11	0.00	0.00	0.00	55.01	15.00	87.18	0.77	0.30	3.47	173.65	0.00	1.00	1.44	0.00	87.18	10.07	116.34	0.56	17.90	N/A	N/A	N/A	N/A
664	6.64	1.23	62.87	3.00	2.15E-009	2.41E-006	7.00	11.01	0.00	0.00	0.00	52.78	15.00	74.50	0.66	0.30	2.96	170.40	0.00	1.00	1.24	0.00	74.50	11.98	118.07	0.55	17.83	N/A	N/A	N/A	N/A
665	6.65	1.17	62.93	3.00	1.69E-009	1.69E-006	7.00	9.84	0.00	0.00	0.00	52.12	15.00	70.48	0.62	0.30	2.79	169.42	0.00	1.00	1.18	0.00	70.48	12.75	118.69	0.55	17.81	N/A	N/A	N/A	N/A
666	6.66	1.12	62.43	3.00	1.39E-009	1.26E-006	7.00	8.92	0.00	0.00	0.00	51.37	15.00	67.13	0.59	0.30	2.66	168.31	0.00	1.00	1.13	0.00	67.13	13.40	118.65	0.55	17.79	N/A	N/A	N/A	N/A
667	6.67	0.99	63.44	3.00	8.64E-010	5.94E-007	6.00	6.75	0.00	0.00	0.00	50.01	15.00	58.45	0.51	0.30	2.31	166.20	0.00	1.00	0.97	0.00	58.45	15.67	120.61	0.56	17.76	N/A	N/A	N/A	N/A
668	6.68	0.91	65.90	3.00	6.94E-010	3.93E-007	6.00	5.56	0.00	0.00	0.00	49.64	15.00	53.11	0.47	0.30	2.09	165.55	0.00	1.00	0.85	0.00	53.11	17.65	123.27	0.58	17.77	N/A	N/A	N/A	N/A
669	6.69	0.86	68.10	3.00	5.95E-010	2.96E-007	6.00	4.89	0.00	0.00	0.00	49.57	15.00	49.81	0.44	0.30	1.96	165.35	0.00	1.00	0.77	0.00	49.81	19.18	125.39	0.60	17.79	N/A	N/A	N/A	N/A
670	6.70	0.91	66.46	3.00	6.96E-010	3.99E-007	6.00	5.63	0.00	0.00	0.00	49.98	15.00	53.51	0.47	0.30	2.10	166.04	0.00	1.00	0.85	0.00	53.51	17.62	123.56	0.58	17.78	N/A	N/A	N/A	N/A
671	6.71	1.19	60.10	3.00	2.05E-009	2.17E-006	7.00	10.37	0.00	0.00	0.00	51.75	15.00	72.68	0.63	0.30	2.85	169.02	0.00	1.00	1.27	0.00	72.68	12.12	115.31	0.52	17.77	N/A	N/A	N/A	N/A
672	6.72	1.36	56.94	3.00	4.20E-009	5.93E-006	7.00	13.84	0.00	0.00	0.00	52.53	15.00	84.04	0.73	0.30	3.29	170.34	0.00	1.00	1.55	0.00	84.04	10.04	110.29	0.50	17.76	N/A	N/A	N/A	N/A
673	6.73	1.68	51.61	3.00	1.31E-008	2.91E-005	8.00	21.72	0.00	0.00	0.00	53.49	15.00	105.36	0.92	0.30	4.12	172.04	0.00	1.00	2.14	0.00	105.36	7.32	100.58	0.58	17.73	N/A	N/A	N/A	N/A
674	6.74	1.81	50.23	3.00	1.92E-008	4.69E-005	9.00	23.94	0.00	0.00	0.00	53.99	15.00	113.99	0.99	0.30	4.46	172.87	0.00	1.00	2.38	0.00	113.99	6.54	97.25	0.58	17.72	N/A	N/A	N/A	N/A
675	6.75	1.92	48.87	4.00	2.63E-008	6.83E-005	9.00	25.46	0.00	0.00	0.00	54.24	15.00	121.25	1.05	0.30	4.75	173.31	0.00	1.00	2.61	0.00	121.25	5.96	94.24	0.58	17.71	N/A	N/A	N/A	N/A
676	6.76	2.06	45.62	4.00	3.97E-008	1.10E-004	9.00	27.23	0.00	0.00	0.00	53.69	15.00	129.67	1.12	0.30	5.08	172.70	0.00	1.00	2.98	0.00	129.67	5.25	88.97	0.58	17.66	N/A	N/A	N/A	N/A
677	6.77	2.14	41.84	4.00	5.47E-008	1.58E-004	9.00	28.34	0.00	0.00	0.00	52.46	15.00	134.95	1.17	0.30	5.29	171.12	0.00	1.00	3.39	0.00	134.95	4.75	83.75	0.58	17.57	N/A	N/A	N/A	N/A
678	6.78	2.25	39.89	4.00	7.44E-008	2.26E-004	9.00	29.87	0.00	0.00	0.00	52.21	15.00	142.26	1.23	0.30	5.58	170.89	0.00	1.00	3.74	0.00	142.26	4.30	80.10	0.58	17.54	N/A	N/A	N/A	N/A
679	6.79	2.44	38.84	4.00	1.12E-007	3.71E-004	10.00	32.53	0.00	0.00	0.00	52.80	15.00	154.91	1.33	0.30	6.09	171.85	0.00	1.00	4.19	0.00	154.91	3.77	76.48	0.44	17.54	N/A	N/A	N/A	N/A
680	6.80	2.52	39.79	4.00	1.24E-007	4.24E-004	10.00	33.65	0.00	0.00	0.00	53.76	15.00	160.23	1.38	0.30	6.30	173.20	0.00	1.00	4.23	0.00	160.23	3.65	76.51	0.44	17.58	N/A	N/A	N/A	N/A
681	6.81	2.91	43.42	5.00	2.02E-007	8.07E-004	11.00	39.11	26.00	32.89	48.48	57.67	0.00	0.00	0.00	0.30	0.00	178.60	-0.06	0.00	0.00	0.00	75.27	3.10	75.78	0.41	17.74	N/A	N/A	N/A	N/A
682	6.82	3.12	43.89	5.00	2.70E-007	1.16E-003	11.00	42.05	27.00	32.74	49.46	58.96	0.00	0.00	0.00	0.30	0.00	180.40	-0.06	0.00	0.00	0.00	74.95	2.82	74.14	0.36	17.77	N/A	N/A	N/A	N/A
683	6.83	3.41	47.23	5.00	3.53E-007	1.66E-003	12.00	46.11	29.00	32.79	51.69	62.03	0.00	0.00	0.00	0.30	0.00	184.42	-0.06	0.00	0.00	0.00	75.20	2.58	74.62	0.37	17.89	N/A	N/A	N/A	N/A
684	6.84	3.50	49.00	5.00	3.70E-007	1.79E-003	12.00	47.37	29.00	32.86	52.64	63.36	0.00	0.00	0.00	0.30	0.00	186.10	-0.06	0.00	0.00	0.00	75.52	2.54	75.41	0.40	17.95	N/A	N/A	N/A	N/A
685	6.85	3.58	50.38	5.00	3.88E-007	1.92E-003	13.00	48.48	29.00	32.91	53.41	64.43	0.00	0.00	0.00	0.30	0.00	187.47	-0.06	0.00	0.00	0.00	75.78	2.51	75.93	0.42	17.99	N/A	N/A	N/A	N/A
686	6.86	3.70	52.56	5.00	4.16E-007	2.13E-003	13.00	50.16	30.00	32.98	54.58	66.07	0.00	0.00	0.00	0.30	0.00	189.51	-0.06	0.00	0.00	0.00	76.12	2.45	76.81	0.45	18.05	N/A	N/A	N/A	N/A
687	6.87	3.73	53.29	5.00	4.19E-007	2.16E-003	13.00	50.58	30.00	33.02	54.96	66.59	0.00	0.00	0.00	0.30	0.00	190.16	-0.06	0.00	0.00	0.00	76.33	2.45	77.16	0.46	18.07	N/A	N/A	N/A	N/A
688	6.88	3.73	53.70	5.00	4.12E-007	2.12E-003	13.00	50.58	30.00	33.04	55.13	66.83	0.00	0.00	0.00	0.30	0.00	190.45	-0.06	0.00	0.00	0.00	76.53	2.46	77.47	0.47	18.07	N/A	N/A	N/A	N/A
689	6.89	3.70	54.11	5.00	3.91E-007	2.00E-003	13.00	50.16	30.00	33.09	55.20	66.93	0.00	0.00	0.00	0.30	0.00	190.57	-0.06	0.00	0.00	0.00	76.78	2.50	78.00	0.49	18.08	N/A	N/A	N/A	N/A
690	6.90	3.66	53.92	5.00	3.73E-007	1.89E-003	13.00	49.59	30.00	33.10	55.03	66.70	0.00	0.00	0.00	0.30	0.00	190.28	-0.06	0.00	0.00	0.00	76.94	2.54	78.13	0.50	18.07	N/A	N/A	N/A	N/A
691	6.91	3.66	53.92	5.00	3.72E-007	1.88E-003	13.00	49.59	30.00	33.10	55.06	66.74	0.00	0.00	0.00	0.30	0.00	190.34	-0.06	0.00	0.00	0.00	77.05	2.54	78.11	0.50	18.07	N/A	N/A	N/A	N/A
692	6.92	3.66	53.92	5.00	3.71E-007	1.87E-003	13.00	49.59	30.00	33.10	55.09	66.78	0.00	0.00	0.00	0.30	0.00	190.39	-0.06	0.00	0.00	0.00	77.16	2.54	78.10	0.50	18.07	N/A	N/A	N/A	N/A
693	6.93	3.20	50.67	5.00	2.26E-007	9.94E-004	12.00	43.15	28.00	33.21	52.42	63.11	0.00	0.00	0.00	0.30	0.00	185.72	-0.07	0.00	0.00	0.00	77.61	2.99	79.39	0.56	17.95	N/A	N/A	N/A	N/A
694	6.94	2.86	51.68	4.00	1.31E-007	5.13E-004	11.00	38.38	0.00	0.00	0.00	61.89	15.00	182.77	1.54	0.30	7.05	184.02	0.00	1.00	3.71	0.00	182.77	3.58	84.03	0.58	17.93	N/A	N/A	N/A	N/A
695	6.95	2.66	52.56	4.00	9.12E-008	3.31E-004	11.00	35.58	0.00	0.00	0.00	61.23	15.00	169.43	1.42	0.30	6.50	183.08	0.00	1.00	3.38	0.00	169.43	4.03	87.32	0.58	17.92	N/A	N/A	N/A	N/A
696	6.96	2.26	54.80	4.00	4.00E-008	1.22E-004	10.00	29.98	0.00	0.00	0.00	59.83	15.00	142.74	1.20	0.30	5.43	181.05	0.00	1.00	2.73	0.00	142.74	5.24	94.85	0.58	17.91	N/A	N/A	N/A	N/A
697	6.97	2.07	55.90	4.00	2.56E-008	7.14E-005	9.00	27.31	0.00	0.00	0.00	59.05	15.00	130.06	1.09	0.30	4.92	179.91	0.00	1.00	2.44	0.00	130.06	6.00	98.53	0.58	17.90	N/A	N/A	N/A	N/A
698	6.98	1.90	56.91	3.00	1.66E-008	4.23E-005	9.00	24.93	0.00	0.00	0.00	58.24	15.00	118.71	0.99	0.30	4.47	178.75	0.00	1.00	2.19	0.00	118.71	6.83	101.82	0.58	17.88	N/A	N/A	N/A	N/A
699	6.99	1.61	60.57	3.00	6.93E-009	1.31E-005	8.00	18.57	0.00	0.00	0.00	57.15	15.00	99.36	0.83	0.30	3.74	177.02	0.00	1.00	1.72	0.00	99.36	8.77	109.21	0.58	17.89	N/A	N/A	N/A	N/A
700	7.00	1.51	62.81	3.00	4.79E-009	7.88E-006	8.00	16.13	0.00	0.00	0.00	57.03	15.00	92.68	0.77	0.30	3.48	176.76	0.00	1.00	1.55	0.00	92.68	9.69	112.48	0.52	17.91	N/A	N/A	N/A	N/A
701	7.01	1.30	66.02	3.00	2.16E-009	2.55E-006	7.00	11.60	0.00	0.00	0.00	55.92	15.00	78.66	0.66	0.30	2.95	175.02	0.00	1.00	1.25	0.00	78.66	11.96	117.65	0.55	17.91	N/A	N/A	N/A	N/A
702	7.02	1.25	67.00	3.00	1.74E-009	1.88E-006	7.00	10.62	0.00	0.00	0.00	55.69	15.00	75.31	0.63	0.30	2.82	174.66	0.00	1.00	1.18	0.00	75.31	12.65	118.93	0.56	17.91	N/A	N/A	N/A	N/A
703	7.03	1.21	67.63	3.00	1.46E-009	1.47E-006	7.00	9.86	0.00	0.00	0.00	55.44	15.00	72.63	0.60	0.30	2.72	174.27	0.00	1.00	1.13	0.00	72.63	13.23	119.78	0.56	17.91	N/A	N/A	N/A	N/A
704	7.04	1.11	72.01	3.00	9.20E-010	7.62E-007	7.00	8.12	0.00	0.00	0.00	55.59	15.00	65.96	0.55	0.30	2.46	174.32	0.00	1.00	0.96	0.00	65.96	15.13	124.22	0.60	17.95	N/A	N/A	N/A	N/A
705	7.05	1.03	74.85	3.00	7.55E-010	5.27E-007	7.00	6.85	0.00	0.00	0.00	55.36	15.00	60.61	0.50	0.30	2.26	173.88	0.00	1.00	0.85	0.00	60.61	16.86	127.03	0.62	17.96	N/A	N/A	N/A	N/A
706	7.06	0.86	79.64	2.00	4.78E-010	2.20E-007	6.00	4.52	0.00	0.00	0.00	54.04	15.00	49.26	0.41	0.30	1.83	171.78	0.00	1.00	0.65	0.00	49.26	21.54	131.67	0.66	17.97	N/A	N/A	N/A	N/A
707	7.07	0.79	80.56	2.00	3.90E-010	1.47E-007	6.00	3.70	0.00	0.00	0.00	53.03	15.00	44.59	0.37	0.30	1.66	170.26	0.00	1.00	0.58	0.00	44.59	24.00	132.59	0.67	17.95	N/A	N/A	N/A	N/A
708	7.08	0.74	80.65	2.00	3.35E-010	1.08E-007	6.00	3.16	0.00	0.00	0.00	52.10	15.00	41.25	0.34	0.30	1.53	168.87	0.00	1.00	0.54	0.00	41.25	26.01	132.77	0.67	17.92	N/A	N/A	N/A	N/A
709	7.09	0.68	78.82	2.00	2.81E-010	7.41E-008	5.00	2.58	0.00	0.00	0.00	50.39	15.00	37.33	0.31	0.30	1.38	166.35	0.00	1.00	0.50	0.00	37.33	28.51	131.50	0.65	17.86	N/A	N/A	N/A	N/A
710	7.10	0.67	77.72	2.00	2.77E-010	7.07E-008	5.00	2.51	0.00	0.00	0.00	49.96	15.00	36.80	0.30	0.30	1.36	165.73	0.00	1.00	0.50	0.00	36.80	28.76	130.58	0.64	17.84	N/A	N/A	N/A	N/A
711	7.11	0.66	76.11	2.00	2.74E-010	6.79E-008	5.00	2.43	0.00	0.00	0.00	49.38	15.00	36.29	0.30	0.30	1.34	164.90	0.00	1.00	0.50	0.00	36.29	28.92	129.27	0.63	17.82	N/A	N/A	N/A	N/A
712	7.12	0.66	70.31	2.00	2.96E-010	7.40E-008	5.00	2.45	0.00	0.00	0.00	47.87	15.00	36.47	0.30	0.30	1.35	162.76	0.00	1.00	0.54	0.00	36.47	27.76	124.53	0.58	17.73	N/A	N/A	N/A	N/A
713	7.13	0.68	67.38	2.00	3.29E-010	8.85E-008	5.00	2.64	0.00	0.00	0.00	47.48	15.00	37.83	0.31	0.30	1.39	162.28	0.00	1.00	0.59	0.00	37.83	26.25	121.98	0.55	17.69	N/A	N/A	N/A	N/A
714	7.14	0.70	64.51	2.00	3.65E-010	1.05E-007	5.00	2.83	0.00	0.00	0.00	47.07	15.00	39.19	0.32	0.30	1.44	161.75	0.00	1.00	0.64	0.00	39.19	24.84	119.43	0.53	17.65	N/A	N/A	N/A	N/A
715	7.15	0.75	57.95	2.00	4.69E-010	1.59E-007	5.00	3.33	0.00	0.00	0.00	46.01	15.00	42.59	0.35	0.30	1.56	160.35	0.00	1.00	0.77	0.00	42.59	21.76	113.51	0.47	17.55	N/A	N/A	N/A	N/A
716	7.16	0.77	55.33	2.00	5.17E-010	1.87E-007	6.00	3.54	0.00	0.00	0.00	45.52	15.00	43.93	0.36	0.30	1.61	159.70	0.00	1.00	0.83	0.00	43.93	20.66	111.02	0.45	17.51	N/A	N/A	N/A	N/A
717	7.17	0.80	51.77	3.00	5.96E-010	2.35E-007	6.00	3.87	0.00	0.00	0.00	44.84	15.00	45.96	0.37	0.30	1.68	158.79	0.00	1.00	0.93	0.00	45.96	19.16	107.55	0.42	17.45	N/A	N/A	N/A	N/A
718	7.18	0.84	49.31	3.00	6.90E-010	3.04E-007	6.00	4.32	0.00	0.00	0.00	44.62	15.00	48.62	0.40	0.30	1.78	158.57	0.00	1.00	1.04	0.00	48.62	17.70	104.97	0.40	17.41	N/A	N/A	N/A	N/A
719	7.19	0.91	45.91	3.00	8.71E-010	4.60E-007	6.00	5.19	0.00	0.00	0.00	44.40	15.00	53.28	0.43	0.30	1.95	158.41	0.00	1.00	1.22	0.00	53.28	15.60	101.20	0.37	17.36	N/A	N/A	N/A	N/A
720	7.20	0.91	45.02	3.00	8.84E-010	4.66E-007	6.00	5.18	0.00	0.00	0.00	44.09	15.00	53.28	0.43	0.30	1.94	157.95	0.00	1.00	1.24	0.00	53.28	15.47	100.26	0.36	17.34	N/A	N/A	N/A	N/A
721	7.21	0.91	43.51	3.00	9.07E-010	4.78E-007	6.00	5.17	0.00	0.00	0.00	43.53	15.00	53.28	0.43	0.30	1.94	157.12	0.00	1.00	1.29	0.00	53.28	15.25	98.68	0.35	17.30	N/A	N/A	N/A	N/A
722	7.22	0.96	42.06	3.00	1.13E-009	6.75E-007	6.00	5.84	0.00	0.00	0.00	43.65	15.00	56.64	0.46	0.30	2.06	157.42	0.00	1.00	1.41	0.00	56.64	14.09	96.79	0.34	17.28	N/A	N/A	N/A	N/A
723	7.23	1.00	41.40	3.00	1.41E-009	9.21E-007	6.00	6.39	0.00	0.00	0.00	43.91	15.00	59.31	0.48	0.30	2.15	157.91	0.00	1.00	1.50	0.00	59.31	13.33	95.75	0.33	17.28	N/A	N/A	N/A	N/A
724	7.24	1.20	40.58	3.00	3.45E-009	3.37E-006	7.00	9.57	0.00	0.00	0.00	45.89	15.00	72.65	0.59	0.30	2.64	161.21	0.00	1.00	1.88	0.00	72.65	10.58	92.97	0.33	17.32	N/A	N/A	N/A	N/A
725	7.25	1.35	42.41	3.00	5.50E-009	6.94E-006	7.00	12.37	0.00	0.00	0.00	48.25	15.00	82.65	0.67	0.30	2.99	164.86	0.00	1.00	2.05	0.00	82.65	9.34	93.20	0.34	17.42	N/A	N/A	N/A	N/A
726	7.26	1.73	46.76	3.00	1.43E-008	3.08E-005	8.00	21.10	0.00	0.00	0.00	53.64	15.00	107.99	0.87	0.30	3.91	172.80	0.00	1.00	2.43	0.00	107.99	7.13	92.89	0.58	17.62	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
727	7.27	1.93	45.34	4.00	2.49E-008	6.47E-005	9.00	25.48	0.00	0.00	0.00	54.55	15.00	121.32	0.97	0.30	4.40	174.23	0.00	1.00	2.81	0.00	121.32	6.06	88.79	0.58	17.63	N/A	N/A	N/A	N/A
728	7.28	2.32	42.09	4.00	6.51E-008	2.05E-004	10.00	30.85	0.00	0.00	0.00	55.46	15.00	146.89	1.18	0.30	5.37	175.75	0.00	1.00	3.66	0.00	146.89	4.49	80.46	0.58	17.61	N/A	N/A	N/A	N/A
729	7.29	2.47	40.71	4.00	9.07E-008	3.04E-004	10.00	32.88	0.00	0.00	0.00	55.63	15.00	156.59	1.25	0.30	5.74	176.09	0.00	1.00	4.04	0.00	156.59	4.03	77.23	0.46	17.60	N/A	N/A	N/A	N/A
730	7.30	2.56	38.94	4.00	1.15E-007	3.98E-004	10.00	34.12	0.00	0.00	0.00	55.21	15.00	162.47	1.30	0.30	5.97	175.62	0.00	1.00	4.38	0.00	162.47	3.74	74.35	0.37	17.56	N/A	N/A	N/A	N/A
731	7.31	2.64	36.70	4.00	1.45E-007	5.21E-004	10.00	35.22	0.00	0.00	0.00	54.44	15.00	167.72	1.34	0.30	6.17	174.67	0.00	1.00	4.80	0.00	167.72	3.46	71.14	0.28	17.50	N/A	N/A	N/A	N/A
732	7.32	2.69	34.18	5.00	1.77E-007	6.48E-004	10.00	35.91	24.00	32.14	45.60	53.31	0.00	0.00	0.00	0.30	0.00	173.21	-0.04	0.00	0.00	0.00	78.83	3.24	67.98	0.22	17.43	N/A	N/A	N/A	N/A
733	7.33	2.70	33.86	5.00	1.82E-007	6.69E-004	10.00	36.04	25.00	32.10	45.54	53.20	0.00	0.00	0.00	0.30	0.00	173.09	-0.04	0.00	0.00	0.00	78.80	3.21	67.53	0.21	17.42	N/A	N/A	N/A	N/A
734	7.34	2.72	34.18	5.00	1.85E-007	6.84E-004	10.00	36.32	25.00	32.11	45.77	53.52	0.00	0.00	0.00	0.30	0.00	173.53	-0.04	0.00	0.00	0.00	78.95	3.19	67.66	0.21	17.43	N/A	N/A	N/A	N/A
735	7.35	2.73	34.59	5.00	1.84E-007	6.82E-004	10.00	36.46	25.00	32.14	46.00	53.83	0.00	0.00	0.00	0.30	0.00	173.97	-0.04	0.00	0.00	0.00	79.16	3.20	67.98	0.22	17.45	N/A	N/A	N/A	N/A
736	7.36	2.75	35.03	5.00	1.85E-007	6.93E-004	10.00	36.74	25.00	32.17	46.28	54.21	0.00	0.00	0.00	0.30	0.00	174.50	-0.05	0.00	0.00	0.00	79.34	3.19	68.23	0.22	17.47	N/A	N/A	N/A	N/A
737	7.37	2.78	36.10	5.00	1.84E-007	6.98E-004	11.00	37.16	25.00	32.25	46.85	55.00	0.00	0.00	0.00	0.30	0.00	175.56	-0.05	0.00	0.00	0.00	79.70	3.20	69.02	0.24	17.51	N/A	N/A	N/A	N/A
738	7.38	2.79	37.24	5.00	1.77E-007	6.73E-004	11.00	37.29	25.00	32.35	47.36	55.72	0.00	0.00	0.00	0.30	0.00	176.52	-0.05	0.00	0.00	0.00	80.13	3.24	70.07	0.26	17.54	N/A	N/A	N/A	N/A
739	7.39	2.77	38.72	4.00	1.60E-007	6.03E-004	11.00	37.01	0.00	0.00	0.00	56.47	15.00	176.25	1.39	0.30	6.43	177.49	0.00	1.00	4.78	0.00	176.25	3.35	71.75	0.29	17.58	N/A	N/A	N/A	N/A
740	7.40	2.71	38.88	4.00	1.43E-007	5.28E-004	11.00	36.17	0.00	0.00	0.00	56.28	15.00	172.24	1.36	0.30	6.26	177.21	0.00	1.00	4.65	0.00	172.24	3.47	72.53	0.31	17.58	N/A	N/A	N/A	N/A
741	7.41	2.66	38.88	4.00	1.31E-007	4.74E-004	10.00	35.47	0.00	0.00	0.00	56.06	15.00	168.89	1.33	0.30	6.13	176.89	0.00	1.00	4.56	0.00	168.89	3.58	73.05	0.33	17.57	N/A	N/A	N/A	N/A
742	7.42	2.47	39.16	4.00	9.19E-008	3.07E-004	10.00	32.81	0.00	0.00	0.00	55.22	15.00	156.22	1.23	0.30	5.64	175.67	0.00	1.00	4.19	0.00	156.22	4.02	75.46	0.40	17.55	N/A	N/A	N/A	N/A
743	7.43	2.33	40.04	4.00	6.74E-008	2.12E-004	10.00	30.84	0.00	0.00	0.00	54.92	15.00	146.87	1.15	0.30	5.27	175.18	0.00	1.00	3.85	0.00	146.87	4.44	78.03	0.50	17.56	N/A	N/A	N/A	N/A
744	7.44	2.03	41.93	4.00	3.27E-008	8.89E-005	9.00	26.64	0.00	0.00	0.00	54.06	15.00	126.85	0.99	0.30	4.51	173.81	0.00	1.00	3.18	0.00	126.85	5.57	83.72	0.58	17.56	N/A	N/A	N/A	N/A
745	7.45	1.90	42.53	4.00	2.33E-008	5.87E-005	9.00	24.66	0.00	0.00	0.00	53.51	15.00	118.17	0.93	0.30	4.17	172.96	0.00	1.00	2.92	0.00	118.17	6.18	85.94	0.58	17.55	N/A	N/A	N/A	N/A
746	7.46	1.63	44.99	3.00	1.04E-008	1.87E-005	8.00	17.65	0.00	0.00	0.00	52.51	15.00	100.15	0.78	0.30	3.52	171.30	0.00	1.00	2.34	0.00	100.15	7.82	91.86	0.58	17.55	N/A	N/A	N/A	N/A
747	7.47	1.53	47.55	3.00	7.02E-009	1.10E-005	8.00	15.35	0.00	0.00	0.00	52.74	15.00	93.48	0.73	0.30	3.28	171.49	0.00	1.00	2.06	0.00	93.48	8.73	95.61	0.58	17.59	N/A	N/A	N/A	N/A
748	7.48	1.43	52.78	3.00	4.23E-009	5.70E-006	8.00	13.22	0.00	0.00	0.00	53.95	15.00	86.80	0.68	0.30	3.05	172.99	0.00	1.00	1.73	0.00	86.80	10.02	101.74	0.41	17.69	N/A	N/A	N/A	N/A
749	7.49	1.42	55.71	3.00	3.70E-009	4.90E-006	8.00	12.99	0.00	0.00	0.00	55.04	15.00	86.12	0.67	0.30	3.02	174.43	0.00	1.00	1.62	0.00	86.12	10.39	104.50	0.43	17.75	N/A	N/A	N/A	N/A
750	7.50	1.42	58.87	3.00	3.33E-009	4.41E-006	8.00	12.98	0.00	0.00	0.00	56.29	15.00	86.12	0.67	0.30	3.01	176.08	0.00	1.00	1.54	0.00	86.12	10.68	107.29	0.46	17.81	N/A	N/A	N/A	N/A
751	7.51	1.43	66.31	3.00	2.75E-009	3.69E-006	8.00	13.16	0.00	0.00	0.00	59.19	15.00	86.78	0.67	0.30	3.03	179.85	0.00	1.00	1.37	0.00	86.78	11.23	113.55	0.51	17.95	N/A	N/A	N/A	N/A
752	7.52	1.46	69.11	3.00	2.80E-009	3.92E-006	8.00	13.75	0.00	0.00	0.00	60.56	15.00	88.78	0.69	0.30	3.10	181.64	0.00	1.00	1.35	0.00	88.78	11.19	115.51	0.54	18.01	N/A	N/A	N/A	N/A
753	7.53	1.55	70.31	3.00	3.57E-009	5.69E-006	8.00	15.65	0.00	0.00	0.00	62.01	15.00	94.78	0.73	0.30	3.30	183.59	0.00	1.00	1.42	0.00	94.78	10.49	115.49	0.54	18.05	N/A	N/A	N/A	N/A
754	7.54	1.85	69.87	3.00	8.15E-009	1.90E-005	9.00	22.93	0.00	0.00	0.00	64.90	15.00	114.80	0.89	0.30	3.99	187.50	0.00	1.00	1.73	0.00	114.80	8.38	111.56	0.58	18.11	N/A	N/A	N/A	N/A
755	7.55	2.05	68.07	3.00	1.36E-008	3.74E-005	10.00	26.91	0.00	0.00	0.00	66.04	15.00	128.13	0.99	0.30	4.45	189.09	0.00	1.00	1.98	0.00	128.13	7.24	107.44	0.58	18.12	N/A	N/A	N/A	N/A
756	7.56	2.28	66.69	4.00	2.29E-008	7.04E-005	11.00	30.12	0.00	0.00	0.00	67.35	15.00	143.45	1.11	0.30	4.99	190.87	0.00	1.00	2.26	0.00	143.45	6.21	103.24	0.58	18.14	N/A	N/A	N/A	N/A
757	7.57	2.59	66.43	4.00	4.16E-008	1.46E-004	11.00	34.46	0.00	0.00	0.00	69.33	15.00	164.10	1.26	0.30	5.74	193.42	0.00	1.00	2.59	0.00	164.10	5.17	99.06	0.58	18.18	N/A	N/A	N/A	N/A
758	7.58	2.69	65.36	4.00	5.10E-008	1.86E-004	12.00	35.86	0.00	0.00	0.00	69.54	15.00	170.75	1.31	0.30	5.99	193.73	0.00	1.00	2.74	0.00	170.75	4.85	96.86	0.58	18.18	N/A	N/A	N/A	N/A
759	7.59	2.81	63.94	4.00	6.47E-008	2.48E-004	12.00	37.53	0.00	0.00	0.00	69.67	15.00	178.73	1.37	0.30	6.28	193.97	0.00	1.00	2.94	0.00	178.73	4.50	94.15	0.58	18.17	N/A	N/A	N/A	N/A
760	7.60	2.84	62.02	4.00	7.17E-008	2.77E-004	12.00	37.95	0.00	0.00	0.00	69.04	15.00	180.72	1.39	0.30	6.35	193.24	0.00	1.00	3.06	0.00	180.72	4.35	92.12	0.58	18.14	N/A	N/A	N/A	N/A
761	7.61	2.82	60.41	4.00	7.26E-008	2.79E-004	12.00	37.67	0.00	0.00	0.00	68.24	15.00	179.37	1.37	0.30	6.29	192.30	0.00	1.00	3.12	0.00	179.37	4.34	90.96	0.58	18.10	N/A	N/A	N/A	N/A
762	7.62	2.77	57.16	4.00	7.38E-008	2.78E-004	11.00	36.97	0.00	0.00	0.00	66.51	15.00	176.03	1.35	0.30	6.17	190.22	0.00	1.00	3.23	0.00	176.03	4.31	88.70	0.58	18.03	N/A	N/A	N/A	N/A
763	7.63	2.76	57.04	4.00	7.26E-008	2.72E-004	11.00	36.82	0.00	0.00	0.00	66.44	15.00	175.35	1.34	0.30	6.14	190.14	0.00	1.00	3.23	0.00	175.35	4.34	88.69	0.58	18.03	N/A	N/A	N/A	N/A
764	7.64	2.83	57.98	4.00	7.88E-008	3.04E-004	12.00	37.80	0.00	0.00	0.00	67.31	15.00	180.00	1.37	0.30	6.30	191.22	0.00	1.00	3.26	0.00	180.00	4.22	88.66	0.58	18.06	N/A	N/A	N/A	N/A
765	7.65	2.87	58.08	4.00	8.35E-008	3.26E-004	12.00	38.36	0.00	0.00	0.00	67.62	15.00	182.66	1.39	0.30	6.39	191.62	0.00	1.00	3.30	0.00	182.66	4.14	88.26	0.58	18.06	N/A	N/A	N/A	N/A
766	7.66	2.91	58.01	4.00	8.88E-008	3.52E-004	12.00	38.92	0.00	0.00	0.00	67.84	15.00	185.32	1.41	0.30	6.48	191.92	0.00	1.00	3.35	0.00	185.32	4.06	87.71	0.58	18.07	N/A	N/A	N/A	N/A
767	7.67	2.92	57.45	4.00	9.16E-008	3.65E-004	12.00	39.05	0.00	0.00	0.00	67.68	15.00	185.97	1.41	0.30	6.50	191.74	0.00	1.00	3.40	0.00	185.97	4.02	87.09	0.58	18.06	N/A	N/A	N/A	N/A
768	7.68	2.91	55.90	4.00	9.44E-008	3.75E-004	12.00	38.91	0.00	0.00	0.00	66.93	15.00	185.29	1.41	0.30	6.47	190.86	0.00	1.00	3.48	0.00	185.29	3.98	85.83	0.58	18.03	N/A	N/A	N/A	N/A
769	7.69	2.92	55.37	4.00	9.73E-008	3.87E-004	12.00	39.05	0.00	0.00	0.00	66.78	15.00	185.95	1.41	0.30	6.48	190.68	0.00	1.00	3.53	0.00	185.95	3.94	85.23	0.58	18.02	N/A	N/A	N/A	N/A
770	7.70	2.92	54.67	4.00	9.92E-008	3.95E-004	12.00	39.05	0.00	0.00	0.00	66.48	15.00	185.93	1.41	0.30	6.48	190.34	0.00	1.00	3.57	0.00	185.93	3.92	84.60	0.58	18.00	N/A	N/A	N/A	N/A
771	7.71	2.93	53.57	4.00	1.04E-007	4.16E-004	12.00	39.18	0.00	0.00	0.00	66.04	15.00	186.59	1.41	0.30	6.50	189.83	0.00	1.00	3.66	0.00	186.59	3.86	83.50	0.58	17.98	N/A	N/A	N/A	N/A
772	7.72	2.94	53.76	4.00	1.05E-007	4.20E-004	12.00	39.32	0.00	0.00	0.00	66.23	15.00	187.24	1.41	0.30	6.51	190.06	0.00	1.00	3.66	0.00	187.24	3.85	83.54	0.58	17.98	N/A	N/A	N/A	N/A
773	7.73	2.95	54.77	4.00	1.03E-007	4.12E-004	12.00	39.46	0.00	0.00	0.00	66.80	15.00	187.90	1.42	0.30	6.52	190.77	0.00	1.00	3.60	0.00	187.90	3.88	84.29	0.58	18.01	N/A	N/A	N/A	N/A
774	7.74	2.98	55.90	4.00	1.03E-007	4.19E-004	12.00	39.88	0.00	0.00	0.00	67.54	15.00	189.89	1.43	0.30	6.59	191.67	0.00	1.00	3.57	0.00	189.89	3.87	84.92	0.58	18.04	N/A	N/A	N/A	N/A
775	7.75	3.00	56.53	4.00	1.04E-007	4.25E-004	12.00	40.15	0.00	0.00	0.00	67.99	15.00	191.21	1.44	0.30	6.62	192.22	0.00	1.00	3.55	0.00	191.21	3.86	85.23	0.58	18.05	N/A	N/A	N/A	N/A
776	7.76	3.03	56.66	4.00	1.08E-007	4.46E-004	12.00	40.57	0.00	0.00	0.00	68.25	15.00	193.20	1.45	0.30	6.69	192.55	0.00	1.00	3.58	0.00	193.20	3.81	84.99	0.58	18.06	N/A	N/A	N/A	N/A
777	7.77	3.03	56.60	4.00	1.08E-007	4.45E-004	12.00	40.57	0.00	0.00	0.00	68.26	15.00	193.19	1.45	0.30	6.68	192.58	0.00	1.00	3.58	0.00	193.19	3.81	84.92	0.58	18.06	N/A	N/A	N/A	N/A
778	7.78	3.01	56.91	4.00	1.03E-007	4.23E-004	12.00	40.29	0.00	0.00	0.00	68.34	15.00	191.84	1.44	0.30	6.62	192.67	0.00	1.00	3.54	0.00	191.84	3.87	85.39	0.58	18.06	N/A	N/A	N/A	N/A
779	7.79	2.99	57.13	4.00	9.89E-008	4.03E-004	12.00	40.00	0.00	0.00	0.00	68.37	15.00	190.50	1.42	0.30	6.56	192.71	0.00	1.00	3.50	0.00	190.50	3.92	85.78	0.58	18.06	N/A	N/A	N/A	N/A
780	7.80	2.97	57.35	4.00	9.49E-008	3.84E-004	12.00	39.72	0.00	0.00	0.00	68.41	15.00	189.15	1.41	0.30	6.50	192.75	0.00	1.00	3.46	0.00	189.15	3.98	86.17	0.58	18.06	N/A	N/A	N/A	N/A
781	7.81	2.92	57.45	4.00	8.71E-008	3.47E-004	12.00	39.02	0.00	0.00	0.00	68.23	15.00	185.80	1.38	0.30	6.37	192.52	0.00	1.00	3.40	0.00	185.80	4.09	86.80	0.58	18.06	N/A	N/A	N/A	N/A
782	7.82	2.90	57.29	4.00	8.45E-008	3.34E-004	12.00	38.74	0.00	0.00	0.00	68.08	15.00	184.46	1.37	0.30	6.31	192.34	0.00	1.00	3.38	0.00	184.46	4.13	86.87	0.58	18.05	N/A	N/A	N/A	N/A
783	7.83	2.86	56.85	4.00	8.01E-008	3.12E-004	12.00	38.17	0.00	0.00	0.00	67.69	15.00	181.78	1.35	0.30	6.21	191.87	0.00	1.00	3.36	0.00	181.78	4.20	86.92	0.58	18.04	N/A	N/A	N/A	N/A
784	7.84	2.75	56.38	4.00	6.76E-008	2.52E-004	11.00	36.63	0.00	0.00	0.00	66.89	15.00	174.43	1.29	0.30	5.94	190.86	0.00	1.00	3.25	0.00	174.43	4.44	87.77	0.58	18.01	N/A	N/A	N/A	N/A
785	7.85	2.65	56.56	4.00	5.64E-008	2.03E-004	11.00	35.23	0.00	0.00	0.00	66.44	15.00	167.75	1.24	0.30	5.68	190.27	0.00	1.00	3.11	0.00	167.75	4.70	89.07	0.58	18.00	N/A	N/A	N/A	N/A
786	7.86	2.39	56.09	4.00	3.53E-008	1.14E-004	11.00	31.58	0.00	0.00	0.00	64.67	15.00	150.40	1.11	0.30	5.05	187.98	0.00	1.00	2.82	0.00	150.40	5.45	91.74	0.58	17.95	N/A	N/A	N/A	N/A
787	7.87	2.24	55.37	4.00	2.66E-008	7.98E-005	10.00	29.48	0.00	0.00	0.00	63.41	15.00	140.39	1.04	0.30	4.69	186.33	0.00	1.00	2.66	0.00	140.39	5.94	92.86	0.58	17.91	N/A	N/A	N/A	N/A
788	7.88	1.98	55.49	3.00	1.49E-008	3.82E-005	10.00	25.14	0.00	0.00	0.00	61.53	15.00	123.04	0.91	0.30	4.09	183.79	0.00	1.00	2.33	0.00	123.04	7.05	96.09	0.58	17.87	N/A	N/A	N/A	N/A
789	7.89	1.86	56.60	3.00	1.08E-008	2.41E-005	9.00	21.95	0.00	0.00	0.00	61.00	15.00	115.02	0.85	0.30	3.82	183.01	0.00	1.00	2.13	0.00	115.02	7.74	98.51	0.58	17.87	N/A	N/A	N/A	N/A
790	7.90	1.86	56.60	3.00	1.07E-008	2.40E-005	9.00	21.91	0.00	0.00	0.00	61.04	15.00	115.01	0.85	0.30	3.81	183.06	0.00	1.00	2.13	0.00	115.01	7.75	98.47	0.58	17.87	N/A	N/A	N/A	N/A
791	7.91	1.86	56.60	3.00	1.07E-008	2.38E-005	9.00	21.88	0.00	0.00	0.00	61.07	15.00	115.00	0.85	0.30	3.81	183.11	0.00	1.00	2.13	0.00	115.00	7.76	98.43	0.58	17.87	N/A	N/A	N/A	N/A
792	7.92	1.48	56.85	3.00	3.67E-009	4.96E-006	8.00	13.28	0.00	0.00	0.00	57.51	15.00	89.64	0.66	0.30	2.96	178.10	0.00	1.00	1.66	0.00	89.64	10.41	102.83	0.42	17.79	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
793	7.93	1.38	59.81	3.00	2.39E-009	2.77E-006	8.00	11.36	0.00	0.00	0.00	57.59	15.00	82.96	0.61	0.30	2.74	178.06	0.00	1.00	1.46	0.00	82.96	11.65	106.29	0.44	17.82	N/A	N/A	N/A	N/A
794	7.94	1.21	65.58	3.00	1.08E-009	9.26E-007	7.00	8.45	0.00	0.00	0.00	57.64	15.00	71.61	0.52	0.30	2.36	177.86	0.00	1.00	1.15	0.00	71.61	14.28	112.37	0.48	17.87	N/A	N/A	N/A	N/A
795	7.95	1.15	67.92	3.00	8.86E-010	6.80E-007	7.00	7.52	0.00	0.00	0.00	57.67	15.00	67.60	0.49	0.30	2.23	177.80	0.00	1.00	1.05	0.00	67.60	15.45	114.57	0.50	17.89	N/A	N/A	N/A	N/A
796	7.96	1.11	68.92	3.00	8.09E-010	5.71E-007	7.00	6.93	0.00	0.00	0.00	57.47	15.00	64.92	0.47	0.30	2.13	177.48	0.00	1.00	0.99	0.00	64.92	16.24	115.54	0.50	17.90	N/A	N/A	N/A	N/A
797	7.97	1.08	68.55	3.00	7.64E-010	5.06E-007	7.00	6.50	0.00	0.00	0.00	56.93	15.00	62.91	0.46	0.30	2.07	176.73	0.00	1.00	0.96	0.00	62.91	16.76	115.36	0.50	17.88	N/A	N/A	N/A	N/A
798	7.98	1.07	66.62	3.00	7.65E-010	4.95E-007	7.00	6.35	0.00	0.00	0.00	56.16	15.00	62.24	0.45	0.30	2.04	175.71	0.00	1.00	0.98	0.00	62.24	16.74	113.85	0.49	17.84	N/A	N/A	N/A	N/A
799	7.99	1.07	65.55	3.00	7.75E-010	5.01E-007	7.00	6.34	0.00	0.00	0.00	55.82	15.00	62.23	0.45	0.30	2.04	175.27	0.00	1.00	1.00	0.00	62.23	16.63	112.94	0.48	17.83	N/A	N/A	N/A	N/A
800	8.00	1.07	64.38	3.00	7.85E-010	5.07E-007	7.00	6.33	0.00	0.00	0.00	55.45	15.00	62.22	0.45	0.30	2.03	174.78	0.00	1.00	1.01	0.00	62.22	16.51	111.95	0.47	17.80	N/A	N/A	N/A	N/A
801	8.01	1.06	62.27	3.00	7.90E-010	4.98E-007	7.00	6.18	0.00	0.00	0.00	54.59	15.00	61.54	0.45	0.30	2.01	173.64	0.00	1.00	1.04	0.00	61.54	16.46	110.25	0.45	17.76	N/A	N/A	N/A	N/A
802	8.02	1.06	61.39	3.00	7.98E-010	5.02E-007	7.00	6.17	0.00	0.00	0.00	54.31	15.00	61.53	0.45	0.30	2.01	173.27	0.00	1.00	1.05	0.00	61.53	16.36	109.48	0.44	17.75	N/A	N/A	N/A	N/A
803	8.03	1.10	58.80	3.00	8.96E-010	6.13E-007	7.00	6.71	0.00	0.00	0.00	53.97	15.00	64.19	0.46	0.30	2.09	172.90	0.00	1.00	1.15	0.00	64.19	15.36	107.06	0.43	17.71	N/A	N/A	N/A	N/A
804	8.04	1.14	57.07	3.00	9.91E-010	7.35E-007	7.00	7.27	0.00	0.00	0.00	53.91	15.00	66.85	0.48	0.30	2.18	172.90	0.00	1.00	1.23	0.00	66.85	14.52	105.30	0.41	17.69	N/A	N/A	N/A	N/A
805	8.05	1.23	55.37	3.00	1.53E-009	1.34E-006	7.00	8.62	0.00	0.00	0.00	54.45	15.00	72.85	0.53	0.30	2.37	173.79	0.00	1.00	1.38	0.00	72.85	13.07	103.15	0.40	17.69	N/A	N/A	N/A	N/A
806	8.06	1.60	53.92	3.00	5.52E-009	8.68E-006	8.00	15.43	0.00	0.00	0.00	58.00	15.00	97.52	0.70	0.30	3.16	179.01	0.00	1.00	1.90	0.00	97.52	9.33	98.40	0.39	17.76	N/A	N/A	N/A	N/A
807	8.07	1.87	53.95	3.00	1.13E-008	2.49E-005	9.00	21.63	0.00	0.00	0.00	60.57	15.00	115.52	0.83	0.30	3.74	182.63	0.00	1.00	2.25	0.00	115.52	7.64	95.37	0.58	17.82	N/A	N/A	N/A	N/A
808	8.08	2.14	50.51	4.00	2.34E-008	6.70E-005	10.00	28.04	0.00	0.00	0.00	61.25	15.00	133.52	0.96	0.30	4.33	183.77	0.00	1.00	2.78	0.00	133.52	6.17	89.01	0.58	17.79	N/A	N/A	N/A	N/A
809	8.09	2.76	43.61	4.00	1.00E-007	3.74E-004	11.00	36.72	0.00	0.00	0.00	61.45	15.00	174.85	1.26	0.30	5.81	184.45	0.00	1.00	4.21	0.00	174.85	3.91	75.64	0.41	17.72	N/A	N/A	N/A	N/A
810	8.10	3.00	42.00	4.00	1.56E-007	6.39E-004	12.00	40.08	0.00	0.00	0.00	61.82	15.00	190.83	1.37	0.30	6.38	185.05	0.00	1.00	4.77	0.00	190.83	3.37	71.74	0.29	17.71	N/A	N/A	N/A	N/A
811	8.11	3.31	42.69	5.00	2.38E-007	1.08E-003	12.00	44.41	26.00	32.31	53.45	63.69	0.00	0.00	0.00	0.30	0.00	187.53	-0.05	0.00	0.00	0.00	88.26	2.94	69.63	0.25	17.77	N/A	N/A	N/A	N/A
812	8.12	3.40	43.07	5.00	2.64E-007	1.23E-003	13.00	45.67	26.00	32.27	53.94	64.34	0.00	0.00	0.00	0.30	0.00	188.38	-0.05	0.00	0.00	0.00	88.24	2.84	69.24	0.24	17.79	N/A	N/A	N/A	N/A
813	8.13	3.48	43.29	5.00	2.91E-007	1.39E-003	13.00	46.79	27.00	32.23	54.32	64.85	0.00	0.00	0.00	0.30	0.00	189.05	-0.05	0.00	0.00	0.00	88.20	2.75	68.81	0.23	17.80	N/A	N/A	N/A	N/A
814	8.14	3.59	43.23	5.00	3.35E-007	1.65E-003	13.00	48.33	27.00	32.14	54.68	65.32	0.00	0.00	0.00	0.30	0.00	189.68	-0.04	0.00	0.00	0.00	88.03	2.63	67.97	0.22	17.81	N/A	N/A	N/A	N/A
815	8.15	3.63	43.35	5.00	3.50E-007	1.74E-003	13.00	48.88	27.00	32.12	54.89	65.60	0.00	0.00	0.00	0.30	0.00	190.04	-0.04	0.00	0.00	0.00	88.08	2.59	67.78	0.21	17.82	N/A	N/A	N/A	N/A
816	8.16	3.60	43.29	5.00	3.36E-007	1.66E-003	13.00	48.46	27.00	32.14	54.80	65.47	0.00	0.00	0.00	0.30	0.00	189.88	-0.04	0.00	0.00	0.00	88.24	2.62	67.92	0.21	17.81	N/A	N/A	N/A	N/A
817	8.17	3.49	43.83	5.00	2.85E-007	1.36E-003	13.00	46.92	27.00	32.26	54.68	65.33	0.00	0.00	0.00	0.30	0.00	189.67	-0.05	0.00	0.00	0.00	88.77	2.77	69.14	0.24	17.82	N/A	N/A	N/A	N/A
818	8.18	3.10	47.89	4.00	1.41E-007	5.95E-004	12.00	41.45	0.00	0.00	0.00	65.78	15.00	197.40	1.40	0.30	6.52	190.01	0.00	1.00	4.33	0.00	197.40	3.49	75.98	0.42	17.87	N/A	N/A	N/A	N/A
819	8.19	2.86	49.03	4.00	9.26E-008	3.59E-004	12.00	38.09	0.00	0.00	0.00	65.18	15.00	181.38	1.29	0.30	5.94	189.17	0.00	1.00	3.88	0.00	181.38	4.01	79.40	0.56	17.87	N/A	N/A	N/A	N/A
820	8.20	2.58	50.79	4.00	5.35E-008	1.86E-004	11.00	34.17	0.00	0.00	0.00	64.57	15.00	162.70	1.15	0.30	5.27	188.27	0.00	1.00	3.36	0.00	162.70	4.78	84.00	0.58	17.87	N/A	N/A	N/A	N/A
821	8.21	2.07	56.38	3.00	1.58E-008	4.24E-005	10.00	26.36	0.00	0.00	0.00	63.82	15.00	128.68	0.91	0.30	4.10	186.99	0.00	1.00	2.40	0.00	128.68	6.94	94.71	0.58	17.91	N/A	N/A	N/A	N/A
822	8.22	1.87	59.40	3.00	9.00E-009	1.94E-005	9.00	21.15	0.00	0.00	0.00	63.39	15.00	115.33	0.81	0.30	3.67	186.25	0.00	1.00	2.04	0.00	115.33	8.15	99.60	0.58	17.93	N/A	N/A	N/A	N/A
823	8.23	1.58	68.51	3.00	3.16E-009	4.72E-006	9.00	14.63	0.00	0.00	0.00	64.10	15.00	95.98	0.68	0.30	3.05	186.77	0.00	1.00	1.47	0.00	95.98	10.83	110.04	0.48	18.03	N/A	N/A	N/A	N/A
824	8.24	1.55	70.41	3.00	2.74E-009	3.91E-006	9.00	14.00	0.00	0.00	0.00	64.50	15.00	93.97	0.66	0.30	2.98	187.23	0.00	1.00	1.40	0.00	93.97	11.25	111.75	0.50	18.05	N/A	N/A	N/A	N/A
825	8.25	1.52	72.52	3.00	2.35E-009	3.21E-006	9.00	13.39	0.00	0.00	0.00	64.96	15.00	91.96	0.65	0.30	2.91	187.76	0.00	1.00	1.33	0.00	91.96	11.70	113.58	0.51	18.08	N/A	N/A	N/A	N/A
826	8.26	1.36	80.91	3.00	1.13E-009	1.20E-006	8.00	10.45	0.00	0.00	0.00	65.91	15.00	81.27	0.57	0.30	2.57	188.69	0.00	1.00	1.05	0.00	81.27	14.12	120.99	0.57	18.16	N/A	N/A	N/A	N/A
827	8.27	1.30	83.65	3.00	9.18E-010	8.82E-007	8.00	9.43	0.00	0.00	0.00	66.02	15.00	77.25	0.54	0.30	2.44	188.74	0.00	1.00	0.97	0.00	77.25	15.15	123.28	0.59	18.18	N/A	N/A	N/A	N/A
828	8.28	1.16	87.97	3.00	6.84E-010	5.07E-007	8.00	7.27	0.00	0.00	0.00	65.34	15.00	67.90	0.48	0.30	2.14	187.70	0.00	1.00	0.81	0.00	67.90	17.78	127.01	0.62	18.20	N/A	N/A	N/A	N/A
829	8.29	1.12	89.07	3.00	6.26E-010	4.27E-007	8.00	6.70	0.00	0.00	0.00	65.08	15.00	65.22	0.46	0.30	2.06	187.31	0.00	1.00	0.77	0.00	65.22	18.66	127.89	0.62	18.20	N/A	N/A	N/A	N/A
830	8.30	1.08	88.88	2.00	5.78E-010	3.64E-007	7.00	6.17	0.00	0.00	0.00	64.41	15.00	62.61	0.44	0.30	1.97	186.42	0.00	1.00	0.74	0.00	62.61	19.47	127.87	0.62	18.18	N/A	N/A	N/A	N/A
831	8.31	1.08	88.09	2.00	5.82E-010	3.66E-007	7.00	6.16	0.00	0.00	0.00	64.21	15.00	62.63	0.44	0.30	1.97	186.19	0.00	1.00	0.75	0.00	62.63	19.39	127.26	0.62	18.17	N/A	N/A	N/A	N/A
832	8.32	1.08	86.39	2.00	5.92E-010	3.71E-007	7.00	6.16	0.00	0.00	0.00	63.73	15.00	62.62	0.44	0.30	1.97	185.60	0.00	1.00	0.76	0.00	62.62	19.23	126.04	0.60	18.15	N/A	N/A	N/A	N/A
833	8.33	1.11	82.14	3.00	6.56E-010	4.38E-007	7.00	6.55	0.00	0.00	0.00	62.93	15.00	64.62	0.45	0.30	2.03	184.68	0.00	1.00	0.83	0.00	64.62	18.20	122.91	0.57	18.10	N/A	N/A	N/A	N/A
834	8.34	1.13	79.05	3.00	7.04E-010	4.89E-007	7.00	6.81	0.00	0.00	0.00	62.29	15.00	65.94	0.46	0.30	2.07	183.93	0.00	1.00	0.88	0.00	65.94	17.52	120.57	0.55	18.06	N/A	N/A	N/A	N/A
835	8.35	1.16	72.71	3.00	7.99E-010	5.88E-007	7.00	7.22	0.00	0.00	0.00	60.68	15.00	67.93	0.47	0.30	2.12	181.98	0.00	1.00	0.98	0.00	67.93	16.34	115.76	0.51	17.98	N/A	N/A	N/A	N/A
836	8.36	1.17	70.12	3.00	8.39E-010	6.28E-007	7.00	7.35	0.00	0.00	0.00	59.97	15.00	68.59	0.48	0.30	2.14	181.10	0.00	1.00	1.03	0.00	68.59	15.92	113.72	0.49	17.94	N/A	N/A	N/A	N/A
837	8.37	1.18	67.79	3.00	8.78E-010	6.69E-007	7.00	7.48	0.00	0.00	0.00	59.33	15.00	69.25	0.48	0.30	2.16	180.31	0.00	1.00	1.07	0.00	69.25	15.53	111.84	0.47	17.90	N/A	N/A	N/A	N/A
838	8.38	1.19	64.29	3.00	9.33E-010	7.24E-007	7.00	7.61	0.00	0.00	0.00	58.25	15.00	69.90	0.48	0.30	2.18	178.95	0.00	1.00	1.14	0.00	69.90	15.02	109.03	0.45	17.84	N/A	N/A	N/A	N/A
839	8.39	1.20	63.28	3.00	9.61E-010	7.59E-007	7.00	7.75	0.00	0.00	0.00	58.05	15.00	70.56	0.49	0.30	2.20	178.72	0.00	1.00	1.17	0.00	70.56	14.77	108.12	0.44	17.83	N/A	N/A	N/A	N/A
840	8.40	1.24	62.05	3.00	1.14E-009	9.66E-007	8.00	8.33	0.00	0.00	0.00	58.16	15.00	73.22	0.51	0.30	2.28	178.94	0.00	1.00	1.24	0.00	73.22	14.08	106.84	0.43	17.82	N/A	N/A	N/A	N/A
841	8.41	1.29	61.26	3.00	1.40E-009	1.30E-006	8.00	9.10	0.00	0.00	0.00	58.54	15.00	76.54	0.53	0.30	2.38	179.52	0.00	1.00	1.31	0.00	76.54	13.36	105.81	0.42	17.82	N/A	N/A	N/A	N/A
842	8.42	1.35	60.82	3.00	1.76E-009	1.80E-006	8.00	10.06	0.00	0.00	0.00	59.15	15.00	80.54	0.55	0.30	2.50	180.40	0.00	1.00	1.39	0.00	80.54	12.61	104.96	0.42	17.83	N/A	N/A	N/A	N/A
843	8.43	1.53	59.02	3.00	3.35E-009	4.53E-006	8.00	13.26	0.00	0.00	0.00	60.55	15.00	92.54	0.64	0.30	2.87	182.45	0.00	1.00	1.65	0.00	92.54	10.67	101.91	0.41	17.84	N/A	N/A	N/A	N/A
844	8.44	1.55	58.01	3.00	3.66E-009	5.08E-006	8.00	13.63	0.00	0.00	0.00	60.38	15.00	93.87	0.65	0.30	2.90	182.28	0.00	1.00	1.70	0.00	93.87	10.42	100.85	0.40	17.83	N/A	N/A	N/A	N/A
845	8.45	1.47	54.29	3.00	3.20E-009	3.95E-006	8.00	12.10	0.00	0.00	0.00	58.02	15.00	88.52	0.61	0.30	2.73	179.16	0.00	1.00	1.71	0.00	88.52	10.79	98.39	0.37	17.73	N/A	N/A	N/A	N/A
846	8.46	1.47	51.87	3.00	3.46E-009	4.26E-006	8.00	12.08	0.00	0.00	0.00	57.03	15.00	88.50	0.61	0.30	2.73	177.89	0.00	1.00	1.79	0.00	88.50	10.57	96.26	0.36	17.68	N/A	N/A	N/A	N/A
847	8.47	1.48	52.47	3.00	3.49E-009	4.35E-006	8.00	12.25	0.00	0.00	0.00	57.42	15.00	89.15	0.61	0.30	2.75	178.42	0.00	1.00	1.78	0.00	89.15	10.55	96.65	0.36	17.69	N/A	N/A	N/A	N/A
848	8.48	1.45	53.51	3.00	3.05E-009	3.63E-006	8.00	11.69	0.00	0.00	0.00	57.56	15.00	87.14	0.60	0.30	2.68	178.56	0.00	1.00	1.71	0.00	87.14	10.94	97.78	0.37	17.71	N/A	N/A	N/A	N/A
849	8.49	1.41	54.20	3.00	2.60E-009	2.91E-006	8.00	10.97	0.00	0.00	0.00	57.42	15.00	84.46	0.58	0.30	2.60	178.33	0.00	1.00	1.64	0.00	84.46	11.40	98.67	0.37	17.71	N/A	N/A	N/A	N/A
850	8.50	1.33	54.67	3.00	1.93E-009	1.89E-006	8.00	9.61	0.00	0.00	0.00	56.71	15.00	79.11	0.54	0.30	2.43	177.28	0.00	1.00	1.52	0.00	79.11	12.31	99.67	0.37	17.70	N/A	N/A	N/A	N/A
851	8.51	1.28	54.67	3.00	1.60E-009	1.44E-006	8.00	8.80	0.00	0.00	0.00	56.13	15.00	75.76	0.52	0.30	2.32	176.45	0.00	1.00	1.46	0.00	75.76	12.91	100.00	0.37	17.69	N/A	N/A	N/A	N/A
852	8.52	1.23	54.64	3.00	1.32E-009	1.08E-006	7.00	8.03	0.00	0.00	0.00	55.52	15.00	72.42	0.49	0.30	2.22	175.56	0.00	1.00	1.39	0.00	72.42	13.56	100.29	0.37	17.67	N/A	N/A	N/A	N/A
853	8.53	1.17	53.54	3.00	1.07E-009	7.83E-007	7.00	7.16	0.00	0.00	0.00	54.33	15.00	68.40	0.47	0.30	2.09	173.88	0.00	1.00	1.34	0.00	68.40	14.29	99.71	0.36	17.63	N/A	N/A	N/A	N/A
854	8.54	1.16	52.62	3.00	1.06E-009	7.56E-007	7.00	7.01	0.00	0.00	0.00	53.85	15.00	67.73	0.46	0.30	2.07	173.23	0.00	1.00	1.35	0.00	67.73	14.34	98.95	0.36	17.60	N/A	N/A	N/A	N/A
855	8.55	1.16	50.35	3.00	1.14E-009	8.14E-007	7.00	7.00	0.00	0.00	0.00	52.96	15.00	67.72	0.46	0.30	2.07	172.04	0.00	1.00	1.41	0.00	67.72	14.07	96.96	0.34	17.55	N/A	N/A	N/A	N/A
856	8.56	1.16	49.03	3.00	1.19E-009	8.49E-007	7.00	6.99	0.00	0.00	0.00	52.44	15.00	67.71	0.46	0.30	2.06	171.35	0.00	1.00	1.45	0.00	67.71	13.92	95.77	0.33	17.52	N/A	N/A	N/A	N/A
857	8.57	1.16	47.99	3.00	1.23E-009	8.77E-007	7.00	6.98	0.00	0.00	0.00	52.04	15.00	67.70	0.46	0.30	2.06	170.80	0.00	1.00	1.48	0.00	67.70	13.80	94.82	0.32	17.50	N/A	N/A	N/A	N/A
858	8.58	1.15	46.76	3.00	1.23E-009	8.59E-007	7.00	6.83	0.00	0.00	0.00	51.41	15.00	67.02	0.45	0.30	2.04	169.93	0.00	1.00	1.50	0.00	67.02	13.80	93.75	0.32	17.47	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
859	8.59	1.12	45.28	3.00	1.14E-009	7.49E-007	7.00	6.42	0.00	0.00	0.00	50.42	15.00	65.00	0.44	0.30	1.97	168.51	0.00	1.00	1.51	0.00	65.00	14.06	92.56	0.31	17.42	N/A	N/A	N/A	N/A
860	8.60	1.08	41.27	3.00	1.12E-009	6.75E-007	7.00	5.89	0.00	0.00	0.00	48.17	15.00	62.33	0.42	0.30	1.89	165.28	0.00	1.00	1.59	0.00	62.33	14.13	89.06	0.28	17.30	N/A	N/A	N/A	N/A
861	8.61	1.07	40.20	3.00	1.12E-009	6.57E-007	7.00	5.76	0.00	0.00	0.00	47.58	15.00	61.65	0.42	0.30	1.87	164.43	0.00	1.00	1.61	0.00	61.65	14.14	88.07	0.27	17.26	N/A	N/A	N/A	N/A
862	8.62	1.07	40.17	3.00	1.12E-009	6.54E-007	7.00	5.75	0.00	0.00	0.00	47.59	15.00	61.64	0.41	0.30	1.87	164.45	0.00	1.00	1.61	0.00	61.64	14.15	88.00	0.27	17.26	N/A	N/A	N/A	N/A
863	8.63	1.05	41.62	3.00	9.68E-010	5.42E-007	7.00	5.50	0.00	0.00	0.00	48.00	15.00	60.29	0.41	0.30	1.82	164.99	0.00	1.00	1.52	0.00	60.29	14.72	89.45	0.28	17.30	N/A	N/A	N/A	N/A
864	8.64	1.05	43.10	3.00	9.40E-010	5.26E-007	7.00	5.49	0.00	0.00	0.00	48.67	15.00	60.28	0.40	0.30	1.82	165.94	0.00	1.00	1.47	0.00	60.28	14.96	90.78	0.29	17.34	N/A	N/A	N/A	N/A
865	8.65	0.99	43.51	3.00	8.17E-010	3.98E-007	6.00	4.78	0.00	0.00	0.00	48.03	15.00	56.27	0.38	0.30	1.70	164.91	0.00	1.00	1.36	0.00	56.27	16.16	91.42	0.29	17.33	N/A	N/A	N/A	N/A
866	8.66	0.95	42.41	3.00	7.58E-010	3.34E-007	6.00	4.33	0.00	0.00	0.00	47.00	15.00	53.58	0.36	0.30	1.61	163.35	0.00	1.00	1.33	0.00	53.58	16.82	90.55	0.28	17.28	N/A	N/A	N/A	N/A
867	8.67	0.82	38.84	3.00	5.79E-010	1.79E-007	6.00	3.03	0.00	0.00	0.00	43.48	15.00	44.90	0.30	0.30	1.35	157.83	0.00	1.00	1.21	0.00	44.90	19.45	87.63	0.26	17.12	N/A	N/A	N/A	N/A
868	8.68	0.76	35.69	3.00	5.17E-010	1.32E-007	5.00	2.51	0.00	0.00	0.00	41.14	15.00	40.89	0.27	0.30	1.23	154.09	0.00	1.00	1.20	0.00	40.89	20.67	84.69	0.24	17.00	N/A	N/A	N/A	N/A
869	8.69	0.73	32.35	3.00	5.06E-010	1.17E-007	5.00	2.27	0.00	0.00	0.00	39.15	15.00	38.88	0.26	0.30	1.17	150.89	0.00	1.00	1.26	0.00	38.88	20.90	81.34	0.22	16.87	N/A	N/A	N/A	N/A
870	8.70	0.72	28.79	3.00	5.35E-010	1.19E-007	5.00	2.19	0.00	0.00	0.00	37.32	15.00	38.22	0.25	0.30	1.15	147.94	0.00	1.00	1.39	0.00	38.22	20.29	77.55	0.19	16.73	N/A	N/A	N/A	N/A
871	8.71	0.74	28.00	3.00	5.83E-010	1.39E-007	5.00	2.34	0.00	0.00	0.00	37.29	15.00	39.56	0.26	0.30	1.19	147.96	0.00	1.00	1.48	0.00	39.56	19.39	76.61	0.19	16.71	N/A	N/A	N/A	N/A
872	8.72	0.77	26.89	3.00	6.59E-010	1.74E-007	5.00	2.59	0.00	0.00	0.00	37.22	15.00	41.57	0.28	0.30	1.24	147.97	0.00	1.00	1.62	0.00	41.57	18.15	75.27	0.18	16.68	N/A	N/A	N/A	N/A
873	8.73	1.21	24.59	3.00	4.42E-009	3.40E-006	7.00	7.54	0.00	0.00	0.00	41.47	15.00	71.02	0.47	0.30	2.12	155.86	0.00	1.00	3.03	0.00	71.02	9.91	70.11	0.16	16.75	N/A	N/A	N/A	N/A
874	8.74	1.67	25.26	4.00	1.89E-008	2.98E-005	8.00	15.46	0.00	0.00	0.00	46.10	15.00	101.75	0.68	0.30	3.04	163.58	0.00	1.00	4.23	0.00	101.75	6.58	66.61	0.19	16.90	N/A	N/A	N/A	N/A
875	8.75	2.87	26.96	5.00	2.16E-007	8.39E-004	11.00	38.19	23.00	31.00	46.80	53.94	0.00	0.00	0.00	0.30	0.00	175.48	-0.02	0.00	0.00	0.00	90.65	3.04	57.58	0.09	17.18	N/A	N/A	N/A	N/A
876	8.76	3.41	27.78	5.00	4.53E-007	2.11E-003	12.00	45.75	26.00	30.69	49.03	56.83	0.00	0.00	0.00	0.30	0.00	179.60	-0.01	0.00	0.00	0.00	89.65	2.39	55.06	0.08	17.28	N/A	N/A	N/A	N/A
877	8.77	3.94	27.05	5.00	9.07E-007	4.91E-003	13.00	53.16	28.00	30.39	50.24	58.32	0.00	0.00	0.00	0.30	0.00	181.81	-0.01	0.00	0.00	0.00	88.69	1.94	52.70	0.06	17.31	N/A	N/A	N/A	N/A
878	8.78	4.06	27.94	5.00	9.86E-007	5.51E-003	13.00	54.84	28.00	30.45	51.04	59.42	0.00	0.00	0.00	0.30	0.00	183.26	-0.01	0.00	0.00	0.00	89.00	1.89	53.16	0.07	17.36	N/A	N/A	N/A	N/A
879	8.79	4.15	30.99	5.00	9.25E-007	5.29E-003	14.00	56.09	29.00	30.71	52.81	61.92	0.00	0.00	0.00	0.30	0.00	186.40	-0.01	0.00	0.00	0.00	90.03	1.93	55.20	0.08	17.48	N/A	N/A	N/A	N/A
880	8.80	4.37	33.39	5.00	1.03E-006	6.22E-003	14.00	59.09	29.00	30.88	54.55	64.35	0.00	0.00	0.00	0.30	0.00	189.44	-0.02	0.00	0.00	0.00	90.72	1.87	56.52	0.09	17.59	N/A	N/A	N/A	N/A
881	8.81	4.58	33.42	5.00	1.27E-006	8.04E-003	15.00	62.03	30.00	30.86	55.13	65.11	0.00	0.00	0.00	0.30	0.00	190.46	-0.02	0.00	0.00	0.00	90.76	1.77	56.37	0.09	17.61	N/A	N/A	N/A	N/A
882	8.82	5.14	32.95	5.00	2.19E-006	1.57E-002	16.00	70.57	32.00	30.90	56.30	66.60	0.00	0.00	0.00	0.30	0.00	192.47	-0.02	0.00	0.00	0.00	91.01	1.56	56.71	0.09	17.64	N/A	N/A	N/A	N/A
883	8.83	5.45	33.96	5.00	2.71E-006	1.99E-002	16.00	72.09	33.00	31.06	57.52	68.26	0.00	0.00	0.00	0.30	0.00	194.54	-0.02	0.00	0.00	0.00	91.68	1.50	58.02	0.10	17.69	N/A	N/A	N/A	N/A
884	8.84	6.00	36.86	5.00	3.67E-006	2.82E-002	17.00	75.33	35.00	31.43	60.10	71.85	0.00	0.00	0.00	0.30	0.00	198.85	-0.03	0.00	0.00	0.00	93.16	1.43	61.27	0.13	17.82	N/A	N/A	N/A	N/A
885	8.85	6.15	38.06	5.00	3.89E-006	3.03E-002	18.00	76.45	35.00	31.55	60.99	73.11	0.00	0.00	0.00	0.30	0.00	200.33	-0.03	0.00	0.00	0.00	93.70	1.42	62.33	0.14	17.87	N/A	N/A	N/A	N/A
886	8.86	6.30	42.94	5.00	3.56E-006	2.89E-002	18.00	79.60	36.00	31.79	63.51	76.76	0.00	0.00	0.00	0.30	0.00	204.42	-0.04	0.00	0.00	0.00	94.69	1.43	64.54	0.16	18.02	N/A	N/A	N/A	N/A
887	8.87	6.30	46.54	5.00	3.11E-006	2.59E-002	18.00	81.58	36.00	31.91	65.09	79.06	0.00	0.00	0.00	0.30	0.00	206.94	-0.04	0.00	0.00	0.00	95.25	1.47	65.69	0.18	18.11	N/A	N/A	N/A	N/A
888	8.88	6.16	52.78	5.00	2.26E-006	1.95E-002	19.00	84.45	35.00	32.10	67.38	82.47	0.00	0.00	0.00	0.30	0.00	210.56	-0.04	0.00	0.00	0.00	96.06	1.55	67.50	0.21	18.25	N/A	N/A	N/A	N/A
889	8.89	6.05	56.15	5.00	1.87E-006	1.63E-002	19.00	85.85	35.00	32.21	68.50	84.13	0.00	0.00	0.00	0.30	0.00	212.29	-0.05	0.00	0.00	0.00	96.60	1.62	68.63	0.23	18.31	N/A	N/A	N/A	N/A
890	8.90	6.05	56.15	5.00	1.86E-006	1.63E-002	19.00	85.89	35.00	32.21	68.53	84.16	0.00	0.00	0.00	0.30	0.00	212.34	-0.05	0.00	0.00	0.00	96.70	1.62	68.60	0.23	18.31	N/A	N/A	N/A	N/A
891	8.91	6.05	56.15	5.00	1.86E-006	1.63E-002	19.00	85.93	35.00	32.20	68.56	84.20	0.00	0.00	0.00	0.30	0.00	212.39	-0.05	0.00	0.00	0.00	96.81	1.62	68.56	0.23	18.31	N/A	N/A	N/A	N/A
892	8.92	5.25	41.90	5.00	1.59E-006	1.16E-002	16.00	71.39	32.00	31.41	60.91	73.21	0.00	0.00	0.00	0.30	0.00	200.19	-0.03	0.00	0.00	0.00	93.96	1.68	61.07	0.12	17.92	N/A	N/A	N/A	N/A
893	8.93	5.10	42.16	5.00	1.38E-006	9.74E-003	16.00	69.28	32.00	31.41	60.69	72.93	0.00	0.00	0.00	0.30	0.00	199.83	-0.03	0.00	0.00	0.00	94.09	1.73	61.11	0.12	17.92	N/A	N/A	N/A	N/A
894	8.94	4.92	42.47	5.00	1.15E-006	7.84E-003	16.00	66.76	31.00	31.44	60.41	72.57	0.00	0.00	0.00	0.30	0.00	199.36	-0.03	0.00	0.00	0.00	94.28	1.82	61.33	0.13	17.91	N/A	N/A	N/A	N/A
895	8.95	4.59	43.61	5.00	7.99E-007	5.06E-003	15.00	62.14	30.00	31.57	60.07	72.18	0.00	0.00	0.00	0.30	0.00	198.81	-0.03	0.00	0.00	0.00	94.90	2.01	62.55	0.14	17.92	N/A	N/A	N/A	N/A
896	8.96	4.43	44.46	5.00	6.55E-007	4.00E-003	15.00	59.89	29.00	31.68	60.03	72.16	0.00	0.00	0.00	0.30	0.00	198.73	-0.04	0.00	0.00	0.00	95.42	2.13	63.57	0.15	17.92	N/A	N/A	N/A	N/A
897	8.97	4.14	45.75	5.00	4.55E-007	2.59E-003	14.00	55.83	28.00	31.91	59.78	71.89	0.00	0.00	0.00	0.30	0.00	198.32	-0.04	0.00	0.00	0.00	96.37	2.38	65.67	0.18	17.93	N/A	N/A	N/A	N/A
898	8.98	4.02	46.19	5.00	3.89E-007	2.15E-003	14.00	54.15	28.00	32.01	59.63	71.71	0.00	0.00	0.00	0.30	0.00	198.08	-0.04	0.00	0.00	0.00	96.85	2.50	66.62	0.19	17.93	N/A	N/A	N/A	N/A
899	8.99	3.79	46.88	5.00	2.88E-007	1.49E-003	14.00	50.92	27.00	32.20	59.23	71.21	0.00	0.00	0.00	0.30	0.00	197.42	-0.05	0.00	0.00	0.00	97.70	2.76	68.54	0.23	17.92	N/A	N/A	N/A	N/A
900	9.00	3.71	46.07	5.00	2.68E-007	1.36E-003	14.00	49.80	26.00	32.19	58.69	70.44	0.00	0.00	0.00	0.30	0.00	196.50	-0.05	0.00	0.00	0.00	97.77	2.83	68.44	0.22	17.90	N/A	N/A	N/A	N/A
901	9.01	3.56	43.01	5.00	2.48E-007	1.21E-003	13.00	47.70	26.00	32.05	56.99	68.05	0.00	0.00	0.00	0.30	0.00	193.64	-0.04	0.00	0.00	0.00	97.34	2.90	67.02	0.20	17.80	N/A	N/A	N/A	N/A
902	9.02	3.49	42.38	5.00	2.31E-007	1.10E-003	13.00	46.72	25.00	32.04	56.53	67.40	0.00	0.00	0.00	0.30	0.00	192.86	-0.04	0.00	0.00	0.00	97.44	2.97	67.00	0.20	17.78	N/A	N/A	N/A	N/A
903	9.03	3.43	42.12	5.00	2.15E-007	1.00E-003	13.00	45.87	25.00	32.07	56.26	67.02	0.00	0.00	0.00	0.30	0.00	192.39	-0.04	0.00	0.00	0.00	97.64	3.04	67.21	0.20	17.76	N/A	N/A	N/A	N/A
904	9.04	3.34	42.06	5.00	1.90E-007	8.62E-004	13.00	44.61	25.00	32.13	55.96	66.62	0.00	0.00	0.00	0.30	0.00	191.88	-0.04	0.00	0.00	0.00	97.99	3.17	67.84	0.21	17.75	N/A	N/A	N/A	N/A
905	9.05	3.29	42.22	5.00	1.75E-007	7.83E-004	13.00	43.91	25.00	32.18	55.88	66.53	0.00	0.00	0.00	0.30	0.00	191.75	-0.05	0.00	0.00	0.00	98.31	3.25	68.36	0.22	17.75	N/A	N/A	N/A	N/A
906	9.06	3.22	42.72	4.00	1.54E-007	6.76E-004	12.00	42.93	0.00	0.00	0.00	66.54	15.00	204.40	1.31	0.30	6.14	191.73	0.00	1.00	5.02	0.00	204.40	3.39	69.35	0.24	17.76	N/A	N/A	N/A	N/A
907	9.07	3.20	42.72	4.00	1.50E-007	6.50E-004	12.00	42.64	0.00	0.00	0.00	66.48	15.00	203.06	1.30	0.30	6.09	191.66	0.00	1.00	4.99	0.00	203.06	3.42	69.51	0.24	17.75	N/A	N/A	N/A	N/A
908	9.08	3.17	42.03	4.00	1.47E-007	6.31E-004	12.00	42.22	0.00	0.00	0.00	65.96	15.00	201.05	1.28	0.30	6.02	191.04	0.00	1.00	5.02	0.00	201.05	3.45	69.15	0.24	17.73	N/A	N/A	N/A	N/A
909	9.09	3.18	41.62	4.00	1.51E-007	6.52E-004	12.00	42.36	0.00	0.00	0.00	65.80	15.00	201.70	1.29	0.30	6.04	190.86	0.00	1.00	5.09	0.00	201.70	3.41	68.70	0.23	17.72	N/A	N/A	N/A	N/A
910	9.10	3.19	40.99	4.00	1.57E-007	6.79E-004	12.00	42.50	0.00	0.00	0.00	65.51	15.00	202.36	1.29	0.30	6.06	190.52	0.00	1.00	5.18	0.00	202.36	3.37	68.06	0.22	17.70	N/A	N/A	N/A	N/A
911	9.11	3.27	39.98	5.00	1.83E-007	8.14E-004	12.00	43.61	24.00	32.00	55.05	65.29	0.00	0.00	0.00	0.30	0.00	190.31	-0.04	0.00	0.00	0.00	98.26	3.20	66.54	0.19	17.69	N/A	N/A	N/A	N/A
912	9.12	3.33	39.60	5.00	2.02E-007	9.15E-004	13.00	44.45	25.00	31.91	55.12	65.36	0.00	0.00	0.00	0.30	0.00	190.43	-0.04	0.00	0.00	0.00	98.05	3.10	65.74	0.18	17.68	N/A	N/A	N/A	N/A
913	9.13	3.41	39.41	5.00	2.27E-007	1.05E-003	13.00	45.57	25.00	31.83	55.33	65.63	0.00	0.00	0.00	0.30	0.00	190.80	-0.04	0.00	0.00	0.00	97.86	2.98	64.98	0.17	17.68	N/A	N/A	N/A	N/A
914	9.14	3.61	39.35	5.00	2.96E-007	1.46E-003	13.00	48.37	26.00	31.68	55.97	66.47	0.00	0.00	0.00	0.30	0.00	191.91	-0.04	0.00	0.00	0.00	97.39	2.74	63.56	0.15	17.70	N/A	N/A	N/A	N/A
915	9.15	3.73	39.76	5.00	3.37E-007	1.72E-003	13.00	50.04	26.00	31.64	56.55	67.25	0.00	0.00	0.00	0.30	0.00	192.90	-0.03	0.00	0.00	0.00	97.33	2.62	63.15	0.15	17.73	N/A	N/A	N/A	N/A
916	9.16	3.98	42.00	5.00	4.15E-007	2.26E-003	14.00	53.54	27.00	31.68	58.29	69.66	0.00	0.00	0.00	0.30	0.00	195.84	-0.03	0.00	0.00	0.00	97.58	2.45	63.50	0.15	17.82	N/A	N/A	N/A	N/A
917	9.17	4.11	43.89	5.00	4.45E-007	2.51E-003	14.00	55.36	28.00	31.75	59.50	71.35	0.00	0.00	0.00	0.30	0.00	197.86	-0.04	0.00	0.00	0.00	98.00	2.40	64.23	0.16	17.88	N/A	N/A	N/A	N/A
918	9.18	4.35	47.55	5.00	5.03E-007	3.01E-003	15.00	58.72	29.00	31.91	61.72	74.49	0.00	0.00	0.00	0.30	0.00	201.52	-0.04	0.00	0.00	0.00	98.70	2.31	65.68	0.18	17.99	N/A	N/A	N/A	N/A
919	9.19	4.46	49.03	5.00	5.34E-007	3.28E-003	15.00	60.26	29.00	31.96	62.66	75.81	0.00	0.00	0.00	0.30	0.00	203.04	-0.04	0.00	0.00	0.00	99.02	2.27	66.20	0.19	18.04	N/A	N/A	N/A	N/A
920	9.20	4.58	50.29	5.00	5.77E-007	3.64E-003	16.00	61.93	29.00	32.00	63.52	77.01	0.00	0.00	0.00	0.30	0.00	204.43	-0.04	0.00	0.00	0.00	99.26	2.21	66.53	0.19	18.08	N/A	N/A	N/A	N/A
921	9.21	4.76	54.52	5.00	5.97E-007	3.92E-003	16.00	64.45	30.00	32.20	65.70	80.13	0.00	0.00	0.00	0.30	0.00	207.91	-0.05	0.00	0.00	0.00	100.16	2.19	68.52	0.23	18.19	N/A	N/A	N/A	N/A
922	9.22	4.83	56.85	5.00	5.91E-007	3.94E-003	16.00	65.43	30.00	32.31	66.81	81.73	0.00	0.00	0.00	0.30	0.00	209.66	-0.05	0.00	0.00	0.00	100.72	2.20	69.68	0.25	18.24	N/A	N/A	N/A	N/A
923	9.23	4.87	58.58	5.00	5.80E-007	3.90E-003	17.00	65.99	30.00	32.40	67.61	82.89	0.00	0.00	0.00	0.30	0.00	210.92	-0.05	0.00	0.00	0.00	101.18	2.21	70.56	0.27	18.28	N/A	N/A	N/A	N/A
924	9.24	4.89	60.88	5.00	5.49E-007	3.71E-003	17.00	66.27	30.00	32.53	68.56	84.25	0.00	0.00	0.00	0.30	0.00	212.39	-0.05	0.00	0.00	0.00	101.78	2.25	71.86	0.30	18.32	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
925	9.25	4.87	62.05	5.00	5.19E-007	3.49E-003	17.00	65.98	30.00	32.60	68.97	84.85	0.00	0.00	0.00	0.30	0.00	213.02	-0.05	0.00	0.00	0.00	102.19	2.29	72.64	0.32	18.34	N/A	N/A	N/A	N/A
926	9.26	4.79	63.88	5.00	4.54E-007	3.00E-003	17.00	64.86	30.00	32.74	69.45	85.57	0.00	0.00	0.00	0.30	0.00	213.76	-0.06	0.00	0.00	0.00	102.86	2.38	74.13	0.36	18.37	N/A	N/A	N/A	N/A
927	9.27	4.76	64.32	5.00	4.35E-007	2.85E-003	17.00	64.44	30.00	32.78	69.56	85.73	0.00	0.00	0.00	0.30	0.00	213.93	-0.06	0.00	0.00	0.00	103.13	2.42	74.53	0.37	18.38	N/A	N/A	N/A	N/A
928	9.28	4.69	64.29	5.00	4.05E-007	2.62E-003	17.00	63.45	29.00	32.81	69.38	85.49	0.00	0.00	0.00	0.30	0.00	213.66	-0.06	0.00	0.00	0.00	103.37	2.47	74.87	0.38	18.37	N/A	N/A	N/A	N/A
929	9.29	4.68	63.44	5.00	4.09E-007	2.64E-003	17.00	63.31	29.00	32.76	69.08	85.04	0.00	0.00	0.00	0.30	0.00	213.20	-0.06	0.00	0.00	0.00	103.30	2.46	74.37	0.37	18.35	N/A	N/A	N/A	N/A
930	9.30	4.68	60.51	5.00	4.45E-007	2.87E-003	16.00	63.31	29.00	32.59	68.04	83.51	0.00	0.00	0.00	0.30	0.00	211.59	-0.05	0.00	0.00	0.00	102.73	2.40	72.50	0.31	18.30	N/A	N/A	N/A	N/A
931	9.31	4.69	58.49	5.00	4.77E-007	3.08E-003	16.00	63.45	29.00	32.46	67.35	82.49	0.00	0.00	0.00	0.30	0.00	210.51	-0.05	0.00	0.00	0.00	102.34	2.35	71.16	0.28	18.26	N/A	N/A	N/A	N/A
932	9.32	4.69	56.50	5.00	5.06E-007	3.27E-003	16.00	63.44	29.00	32.33	66.63	81.43	0.00	0.00	0.00	0.30	0.00	209.38	-0.05	0.00	0.00	0.00	101.96	2.30	69.88	0.25	18.22	N/A	N/A	N/A	N/A
933	9.33	4.69	53.32	5.00	5.60E-007	3.62E-003	16.00	63.44	29.00	32.13	65.42	79.66	0.00	0.00	0.00	0.30	0.00	207.47	-0.04	0.00	0.00	0.00	101.28	2.23	67.85	0.21	18.15	N/A	N/A	N/A	N/A
934	9.34	4.69	52.21	5.00	5.79E-007	3.75E-003	16.00	63.44	29.00	32.06	65.01	79.05	0.00	0.00	0.00	0.30	0.00	206.82	-0.04	0.00	0.00	0.00	101.10	2.21	67.13	0.20	18.13	N/A	N/A	N/A	N/A
935	9.35	4.65	49.79	5.00	6.03E-007	3.87E-003	16.00	62.88	29.00	31.91	63.96	77.53	0.00	0.00	0.00	0.30	0.00	205.15	-0.04	0.00	0.00	0.00	100.65	2.18	65.73	0.18	18.07	N/A	N/A	N/A	N/A
936	9.36	4.64	48.68	5.00	6.19E-007	3.96E-003	16.00	62.73	29.00	31.84	63.52	76.87	0.00	0.00	0.00	0.30	0.00	204.43	-0.04	0.00	0.00	0.00	100.47	2.17	65.04	0.17	18.05	N/A	N/A	N/A	N/A
937	9.37	4.63	47.70	5.00	6.33E-007	4.04E-003	16.00	62.59	29.00	31.78	63.12	76.29	0.00	0.00	0.00	0.30	0.00	203.78	-0.04	0.00	0.00	0.00	100.33	2.15	64.43	0.16	18.02	N/A	N/A	N/A	N/A
938	9.38	4.52	48.11	5.00	5.56E-007	3.46E-003	16.00	61.05	29.00	31.85	63.02	76.17	0.00	0.00	0.00	0.30	0.00	203.62	-0.04	0.00	0.00	0.00	100.72	2.24	65.08	0.17	18.02	N/A	N/A	N/A	N/A
939	9.39	4.47	48.59	5.00	5.18E-007	3.19E-003	15.00	60.35	29.00	31.90	63.11	76.31	0.00	0.00	0.00	0.30	0.00	203.77	-0.04	0.00	0.00	0.00	101.04	2.29	65.59	0.18	18.03	N/A	N/A	N/A	N/A
940	9.40	4.33	50.38	5.00	4.18E-007	2.49E-003	15.00	58.38	28.00	32.09	63.48	76.89	0.00	0.00	0.00	0.30	0.00	204.37	-0.04	0.00	0.00	0.00	101.91	2.45	67.44	0.21	18.06	N/A	N/A	N/A	N/A
941	9.41	4.24	51.20	5.00	3.67E-007	2.14E-003	15.00	57.12	28.00	32.20	63.58	77.05	0.00	0.00	0.00	0.30	0.00	204.53	-0.05	0.00	0.00	0.00	102.44	2.55	68.48	0.22	18.07	N/A	N/A	N/A	N/A
942	9.42	4.14	52.43	5.00	3.14E-007	1.78E-003	15.00	55.72	27.00	32.34	63.80	77.40	0.00	0.00	0.00	0.30	0.00	204.88	-0.05	0.00	0.00	0.00	103.12	2.68	69.92	0.25	18.09	N/A	N/A	N/A	N/A
943	9.43	3.95	54.20	5.00	2.36E-007	1.28E-003	15.00	53.06	27.00	32.58	63.94	77.65	0.00	0.00	0.00	0.30	0.00	205.11	-0.05	0.00	0.00	0.00	104.20	2.94	72.42	0.31	18.11	N/A	N/A	N/A	N/A
944	9.44	3.86	55.24	5.00	2.04E-007	1.08E-003	15.00	51.79	26.00	32.71	64.08	77.88	0.00	0.00	0.00	0.30	0.00	205.34	-0.06	0.00	0.00	0.00	104.84	3.09	73.82	0.35	18.12	N/A	N/A	N/A	N/A
945	9.45	3.78	55.27	5.00	1.84E-007	9.53E-004	14.00	50.67	26.00	32.77	63.87	77.59	0.00	0.00	0.00	0.30	0.00	204.99	-0.06	0.00	0.00	0.00	105.19	3.20	74.43	0.37	18.11	N/A	N/A	N/A	N/A
946	9.46	3.60	55.30	4.00	1.46E-007	7.16E-004	14.00	48.15	0.00	0.00	0.00	76.84	15.00	229.27	1.40	0.30	6.59	204.11	0.00	1.00	4.35	0.00	229.27	3.45	75.86	0.41	18.10	N/A	N/A	N/A	N/A
947	9.47	3.51	54.74	4.00	1.31E-007	6.28E-004	14.00	46.88	0.00	0.00	0.00	76.16	15.00	223.26	1.36	0.30	6.40	203.32	0.00	1.00	4.28	0.00	223.26	3.57	76.17	0.42	18.07	N/A	N/A	N/A	N/A
948	9.48	3.27	53.66	4.00	9.71E-008	4.31E-004	13.00	43.52	0.00	0.00	0.00	74.48	15.00	207.24	1.26	0.30	5.88	201.33	0.00	1.00	4.06	0.00	207.24	3.95	77.39	0.47	18.02	N/A	N/A	N/A	N/A
949	9.49	3.12	53.51	4.00	7.78E-008	3.29E-004	13.00	41.42	0.00	0.00	0.00	73.69	15.00	197.23	1.20	0.30	5.56	200.38	0.00	1.00	3.87	0.00	197.23	4.24	78.60	0.52	18.00	N/A	N/A	N/A	N/A
950	9.50	2.80	53.98	4.00	4.55E-008	1.71E-004	12.00	36.93	0.00	0.00	0.00	72.28	15.00	175.87	1.07	0.30	4.89	198.64	0.00	1.00	3.42	0.00	175.87	5.03	81.92	0.58	17.97	N/A	N/A	N/A	N/A
951	9.51	2.63	54.58	4.00	3.29E-008	1.16E-004	12.00	34.55	0.00	0.00	0.00	71.67	15.00	164.52	1.00	0.30	4.53	197.85	0.00	1.00	3.17	0.00	164.52	5.57	83.96	0.58	17.96	N/A	N/A	N/A	N/A
952	9.52	2.33	56.63	4.00	1.75E-008	5.10E-005	11.00	28.53	0.00	0.00	0.00	70.52	15.00	144.51	0.88	0.30	3.95	196.28	0.00	1.00	2.68	0.00	144.51	6.73	88.52	0.58	17.96	N/A	N/A	N/A	N/A
953	9.53	2.23	58.14	3.00	1.37E-008	3.61E-005	11.00	25.93	0.00	0.00	0.00	70.41	15.00	137.83	0.84	0.30	3.76	196.06	0.00	1.00	2.49	0.00	137.83	7.23	90.70	0.58	17.97	N/A	N/A	N/A	N/A
954	9.54	2.14	60.51	3.00	1.05E-008	2.54E-005	11.00	23.69	0.00	0.00	0.00	70.73	15.00	131.81	0.80	0.30	3.59	196.33	0.00	1.00	2.29	0.00	131.81	7.80	93.41	0.58	18.00	N/A	N/A	N/A	N/A
955	9.55	1.99	68.74	3.00	5.97E-009	1.23E-005	10.00	20.20	0.00	0.00	0.00	72.88	15.00	121.80	0.74	0.30	3.32	198.64	0.00	1.00	1.86	0.00	121.80	9.13	100.96	0.42	18.12	N/A	N/A	N/A	N/A
956	9.56	1.89	75.07	3.00	3.99E-009	7.33E-006	10.00	18.03	0.00	0.00	0.00	74.43	15.00	115.12	0.70	0.30	3.13	200.29	0.00	1.00	1.61	0.00	115.12	10.18	106.30	0.45	18.20	N/A	N/A	N/A	N/A
957	9.57	1.99	82.48	3.00	4.25E-009	8.74E-006	11.00	20.16	0.00	0.00	0.00	78.39	15.00	121.80	0.74	0.30	3.31	204.84	0.00	1.00	1.55	0.00	121.80	10.01	110.45	0.50	18.33	N/A	N/A	N/A	N/A
958	9.58	2.34	83.11	3.00	8.83E-009	2.57E-005	12.00	28.59	0.00	0.00	0.00	82.16	15.00	145.14	0.88	0.30	3.94	209.30	0.00	1.00	1.83	0.00	145.14	8.19	107.59	0.58	18.40	N/A	N/A	N/A	N/A
959	9.59	2.81	83.71	3.00	2.00E-008	7.55E-005	13.00	37.06	0.00	0.00	0.00	86.54	15.00	176.47	1.06	0.30	4.79	214.35	0.00	1.00	2.21	0.00	176.47	6.47	103.20	0.58	18.48	N/A	N/A	N/A	N/A
960	9.60	3.85	86.90	4.00	8.20E-008	4.32E-004	16.00	51.62	0.00	0.00	0.00	94.19	15.00	245.81	1.48	0.30	6.86	222.64	0.00	1.00	2.97	0.00	245.81	4.17	95.30	0.58	18.64	N/A	N/A	N/A	N/A
961	9.61	4.50	89.10	4.00	1.63E-007	1.01E-003	17.00	60.72	0.00	0.00	0.00	98.30	15.00	289.14	1.74	0.30	8.21	226.91	0.00	1.00	3.41	0.00	289.14	3.33	91.05	0.58	18.73	N/A	N/A	N/A	N/A
962	9.62	5.77	88.16	5.00	5.35E-007	4.28E-003	20.00	78.50	32.00	33.49	81.60	102.95	0.00	0.00	0.00	0.30	0.00	231.70	-0.07	0.00	0.00	0.00	110.17	2.26	82.66	0.66	18.81	N/A	N/A	N/A	N/A
963	9.63	6.26	85.48	5.00	8.30E-007	7.22E-003	21.00	85.36	34.00	33.24	81.96	103.39	0.00	0.00	0.00	0.30	0.00	232.22	-0.07	0.00	0.00	0.00	109.26	1.99	79.73	0.57	18.81	N/A	N/A	N/A	N/A
964	9.64	6.95	77.03	5.00	1.64E-006	1.59E-002	22.00	95.02	36.00	32.88	80.63	101.29	0.00	0.00	0.00	0.30	0.00	230.33	-0.06	0.00	0.00	0.00	107.88	1.66	75.63	0.41	18.73	N/A	N/A	N/A	N/A
965	9.65	7.09	74.44	5.00	1.92E-006	1.96E-002	22.00	100.31	36.00	32.80	80.03	100.36	0.00	0.00	0.00	0.30	0.00	229.47	-0.06	0.00	0.00	0.00	107.70	1.61	74.83	0.38	18.70	N/A	N/A	N/A	N/A
966	9.66	7.15	72.30	5.00	2.10E-006	2.13E-002	22.00	99.53	37.00	32.74	79.41	99.42	0.00	0.00	0.00	0.30	0.00	228.58	-0.06	0.00	0.00	0.00	107.56	1.58	74.15	0.36	18.67	N/A	N/A	N/A	N/A
967	9.67	7.14	67.95	5.00	2.33E-006	2.32E-002	21.00	97.52	37.00	32.60	77.80	97.03	0.00	0.00	0.00	0.30	0.00	226.26	-0.05	0.00	0.00	0.00	107.10	1.54	72.64	0.32	18.59	N/A	N/A	N/A	N/A
968	9.68	7.11	66.31	5.00	2.38E-006	2.35E-002	21.00	96.70	37.00	32.54	77.16	96.07	0.00	0.00	0.00	0.30	0.00	225.31	-0.05	0.00	0.00	0.00	106.96	1.54	71.99	0.30	18.57	N/A	N/A	N/A	N/A
969	9.69	6.97	62.93	5.00	2.38E-006	2.30E-002	21.00	94.76	36.00	32.39	75.60	93.79	0.00	0.00	0.00	0.30	0.00	223.03	-0.05	0.00	0.00	0.00	106.48	1.54	70.48	0.27	18.50	N/A	N/A	N/A	N/A
970	9.70	6.86	60.57	5.00	2.36E-006	2.25E-002	21.00	93.36	36.00	32.28	74.49	92.16	0.00	0.00	0.00	0.30	0.00	221.38	-0.05	0.00	0.00	0.00	106.15	1.54	69.37	0.24	18.45	N/A	N/A	N/A	N/A
971	9.71	6.75	58.08	5.00	2.36E-006	2.21E-002	20.00	91.87	36.00	32.17	73.30	90.43	0.00	0.00	0.00	0.30	0.00	219.61	-0.05	0.00	0.00	0.00	105.78	1.54	68.21	0.22	18.39	N/A	N/A	N/A	N/A
972	9.72	6.52	53.82	5.00	2.29E-006	2.08E-002	20.00	89.14	35.00	31.95	71.13	87.26	0.00	0.00	0.00	0.30	0.00	216.33	-0.04	0.00	0.00	0.00	105.02	1.55	66.10	0.19	18.29	N/A	N/A	N/A	N/A
973	9.73	6.39	51.84	5.00	2.22E-006	1.98E-002	19.00	87.81	35.00	31.84	70.06	85.71	0.00	0.00	0.00	0.30	0.00	214.70	-0.04	0.00	0.00	0.00	104.67	1.56	65.04	0.17	18.24	N/A	N/A	N/A	N/A
974	9.74	6.17	47.20	5.00	2.20E-006	1.91E-002	19.00	84.78	34.00	31.59	67.65	82.21	0.00	0.00	0.00	0.30	0.00	210.97	-0.03	0.00	0.00	0.00	103.78	1.56	62.74	0.14	18.12	N/A	N/A	N/A	N/A
975	9.75	6.06	44.65	5.00	2.22E-006	1.88E-002	18.00	83.12	34.00	31.45	66.32	80.28	0.00	0.00	0.00	0.30	0.00	208.89	-0.03	0.00	0.00	0.00	103.31	1.56	61.46	0.13	18.05	N/A	N/A	N/A	N/A
976	9.76	5.98	43.35	5.00	2.19E-006	1.83E-002	18.00	82.21	33.00	31.37	65.59	79.23	0.00	0.00	0.00	0.30	0.00	207.74	-0.03	0.00	0.00	0.00	103.09	1.56	60.73	0.12	18.01	N/A	N/A	N/A	N/A
977	9.77	5.81	42.82	5.00	1.95E-006	1.62E-002	18.00	81.49	33.00	31.30	65.02	78.42	0.00	0.00	0.00	0.30	0.00	206.83	-0.03	0.00	0.00	0.00	102.93	1.60	60.14	0.11	17.98	N/A	N/A	N/A	N/A
978	9.78	5.72	42.98	5.00	1.80E-006	1.42E-002	18.00	77.76	32.00	31.29	64.92	78.30	0.00	0.00	0.00	0.30	0.00	206.67	-0.03	0.00	0.00	0.00	103.00	1.63	60.04	0.11	17.98	N/A	N/A	N/A	N/A
979	9.79	5.58	42.94	5.00	1.60E-006	1.24E-002	17.00	75.79	32.00	31.27	64.62	77.89	0.00	0.00	0.00	0.30	0.00	206.20	-0.03	0.00	0.00	0.00	103.01	1.67	59.84	0.11	17.97	N/A	N/A	N/A	N/A
980	9.80	5.52	42.53	5.00	1.54E-006	1.18E-002	17.00	74.95	32.00	31.24	64.33	77.48	0.00	0.00	0.00	0.30	0.00	205.73	-0.03	0.00	0.00	0.00	103.00	1.69	59.58	0.11	17.96	N/A	N/A	N/A	N/A
981	9.81	5.45	41.78	5.00	1.49E-006	1.13E-002	17.00	73.97	32.00	31.19	63.86	76.80	0.00	0.00	0.00	0.30	0.00	204.98	-0.02	0.00	0.00	0.00	102.90	1.70	59.15	0.11	17.93	N/A	N/A	N/A	N/A
982	9.82	5.43	41.46	5.00	1.48E-006	1.11E-002	17.00	73.69	31.00	31.17	63.69	76.56	0.00	0.00	0.00	0.30	0.00	204.71	-0.02	0.00	0.00	0.00	102.92	1.70	58.96	0.10	17.92	N/A	N/A	N/A	N/A
983	9.83	5.42	41.05	5.00	1.49E-006	1.12E-002	17.00	73.54	31.00	31.14	63.51	76.29	0.00	0.00	0.00	0.30	0.00	204.42	-0.02	0.00	0.00	0.00	102.92	1.70	58.73	0.10	17.91	N/A	N/A	N/A	N/A
984	9.84	5.50	40.74	5.00	1.61E-006	1.23E-002	17.00	74.66	32.00	31.13	63.58	76.36	0.00	0.00	0.00	0.30	0.00	204.53	-0.02	0.00	0.00	0.00	102.98	1.67	58.62	0.10	17.91	N/A	N/A	N/A	N/A
985	9.85	5.58	40.67	5.00	1.72E-006	1.33E-002	17.00	75.78	32.00	31.13	63.75	76.58	0.00	0.00	0.00	0.30	0.00	204.81	-0.02	0.00	0.00	0.00	103.10	1.65	58.65	0.10	17.91	N/A	N/A	N/A	N/A
986	9.86	5.79	40.42	5.00	2.06E-006	1.69E-002	18.00	80.37	33.00	31.15	64.13	77.06	0.00	0.00	0.00	0.30	0.00	205.41	-0.02	0.00	0.00	0.00	103.30	1.58	58.85	0.10	17.92	N/A	N/A	N/A	N/A
987	9.87	5.92	40.23	5.00	2.29E-006	1.89E-002	18.00	80.64	33.00	31.17	64.34	77.33	0.00	0.00	0.00	0.30	0.00	205.75	-0.02	0.00	0.00	0.00	103.50	1.55	59.04	0.10	17.92	N/A	N/A	N/A	N/A
988	9.88	6.15	40.33	5.00	2.72E-006	2.25E-002	18.00	81.34	34.00	31.25	64.90	78.08	0.00	0.00	0.00	0.30	0.00	206.64	-0.03	0.00	0.00	0.00	103.93	1.50	59.70	0.11	17.94	N/A	N/A	N/A	N/A
989	9.89	6.22	40.23	5.00	2.87E-006	2.38E-002	18.00	81.50	34.00	31.27	65.02	78.23	0.00	0.00	0.00	0.30	0.00	206.84	-0.03	0.00	0.00	0.00	104.11	1.49	59.87	0.11	17.94	N/A	N/A	N/A	N/A
990	9.90	6.22	40.23	5.00	2.86E-006	2.38E-002	18.00	81.53	34.00	31.27	65.05	78.27	0.00	0.00	0.00	0.30	0.00	206.88	-0.03	0.00	0.00	0.00	104.21	1.49	59.84	0.11	17.94	N/A	N/A	N/A	N/A

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
991	9.91	6.22	40.23	5.00	2.85E-006	2.37E-002	18.00	81.56	34.00	31.26	65.08	78.30	0.00	0.00	0.00	0.30	0.00	206.93	-0.03	0.00	0.00	0.00	104.30	1.49	59.81	0.11	17.94	N/A	N/A	N/A	N/A
992	9.92	6.07	35.50	5.00	3.10E-006	2.47E-002	18.00	78.36	34.00	31.00	62.52	74.58	0.00	0.00	0.00	0.30	0.00	202.82	-0.02	0.00	0.00	0.00	103.35	1.47	57.60	0.09	17.79	N/A	N/A	N/A	N/A
993	9.93	5.98	37.36	5.00	2.66E-006	2.15E-002	18.00	79.30	33.00	31.04	63.27	75.70	0.00	0.00	0.00	0.30	0.00	204.03	-0.02	0.00	0.00	0.00	103.62	1.51	57.93	0.10	17.84	N/A	N/A	N/A	N/A
994	9.94	5.40	53.85	5.00	8.98E-007	6.70E-003	18.00	73.23	31.00	31.85	69.33	84.72	0.00	0.00	0.00	0.30	0.00	213.57	-0.04	0.00	0.00	0.00	107.08	1.94	65.17	0.17	18.22	N/A	N/A	N/A	N/A
995	9.95	5.33	55.49	5.00	7.99E-007	5.88E-003	18.00	72.25	31.00	31.96	69.86	85.50	0.00	0.00	0.00	0.30	0.00	214.39	-0.04	0.00	0.00	0.00	107.63	2.01	66.18	0.19	18.25	N/A	N/A	N/A	N/A
996	9.96	5.29	55.81	5.00	7.61E-007	5.56E-003	18.00	71.69	31.00	31.99	69.92	85.60	0.00	0.00	0.00	0.30	0.00	214.48	-0.04	0.00	0.00	0.00	107.86	2.04	66.44	0.19	18.25	N/A	N/A	N/A	N/A
997	9.97	5.31	57.73	5.00	7.28E-007	5.34E-003	18.00	71.97	31.00	32.09	70.77	86.83	0.00	0.00	0.00	0.30	0.00	215.78	-0.04	0.00	0.00	0.00	108.40	2.06	67.43	0.21	18.29	N/A	N/A	N/A	N/A
998	9.98	5.46	61.42	5.00	7.40E-007	5.59E-003	18.00	74.06	31.00	32.25	72.61	89.49	0.00	0.00	0.00	0.30	0.00	218.58	-0.05	0.00	0.00	0.00	109.19	2.05	69.03	0.24	18.38	N/A	N/A	N/A	N/A
999	9.99	5.59	63.97	5.00	7.65E-007	5.92E-003	19.00	75.88	31.00	32.35	73.94	91.40	0.00	0.00	0.00	0.30	0.00	220.56	-0.05	0.00	0.00	0.00	109.73	2.03	70.03	0.26	18.43	N/A	N/A	N/A	N/A
1000	10.00	5.85	68.39	5.00	8.36E-007	6.78E-003	19.00	79.52	32.00	32.51	76.26	94.75	0.00	0.00	0.00	0.30	0.00	223.99	-0.05	0.00	0.00	0.00	110.52	1.98	71.67	0.29	18.53	N/A	N/A	N/A	N/A

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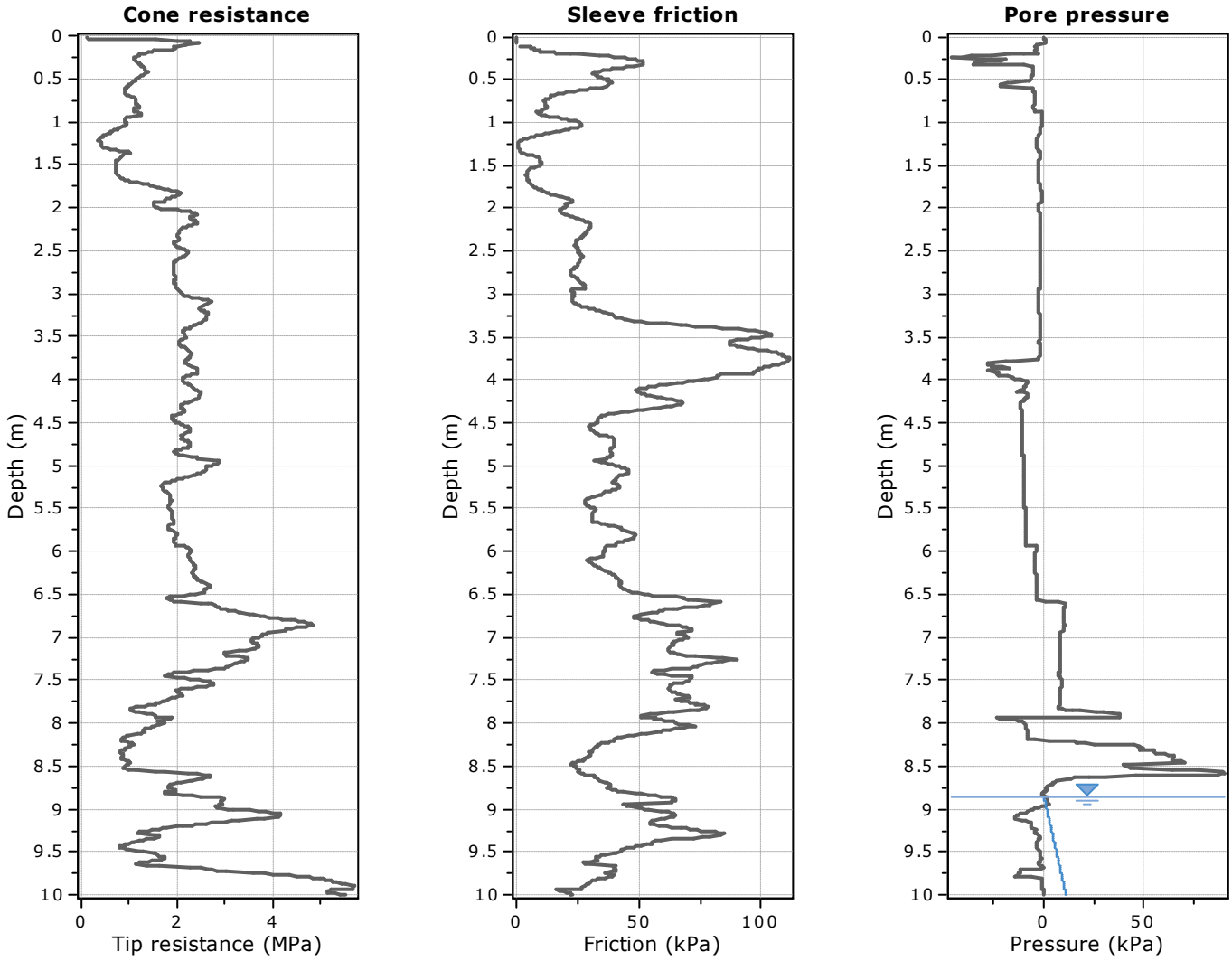
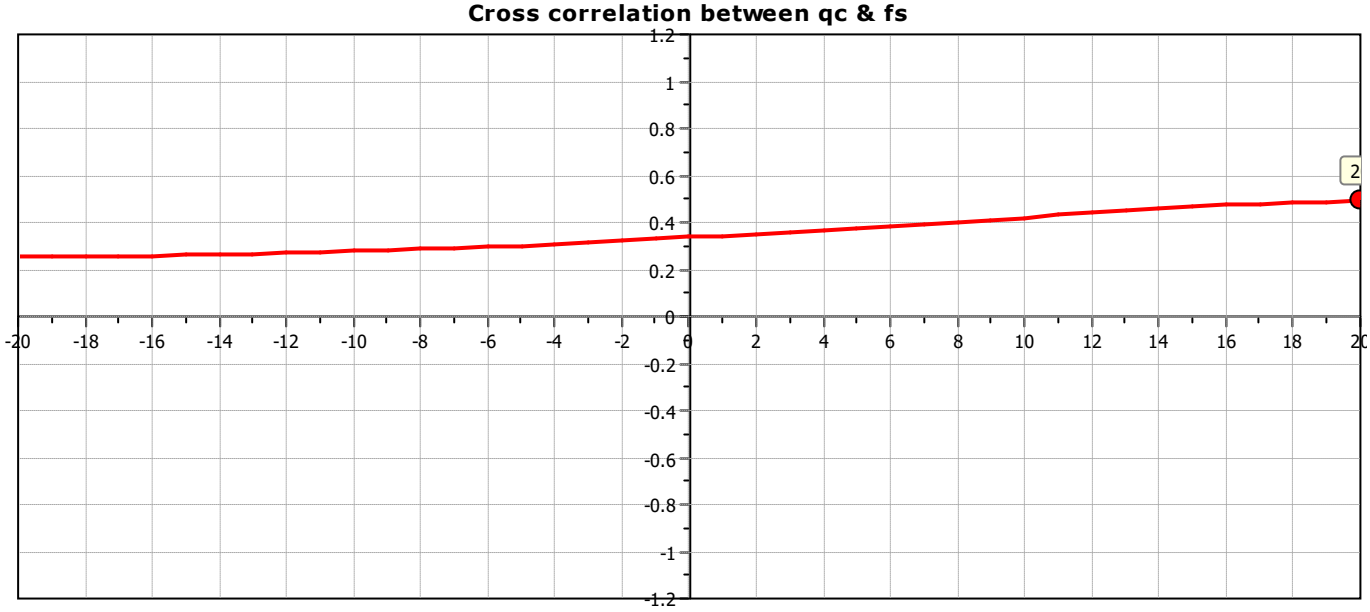
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-4
Total depth: 10.00 m, Date: 27/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.6714511° lon 10.6377922°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti



The plot below presents the cross correlation coeficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two sucessive CPT measurements).



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Project: **CPTU - Argine Arno**
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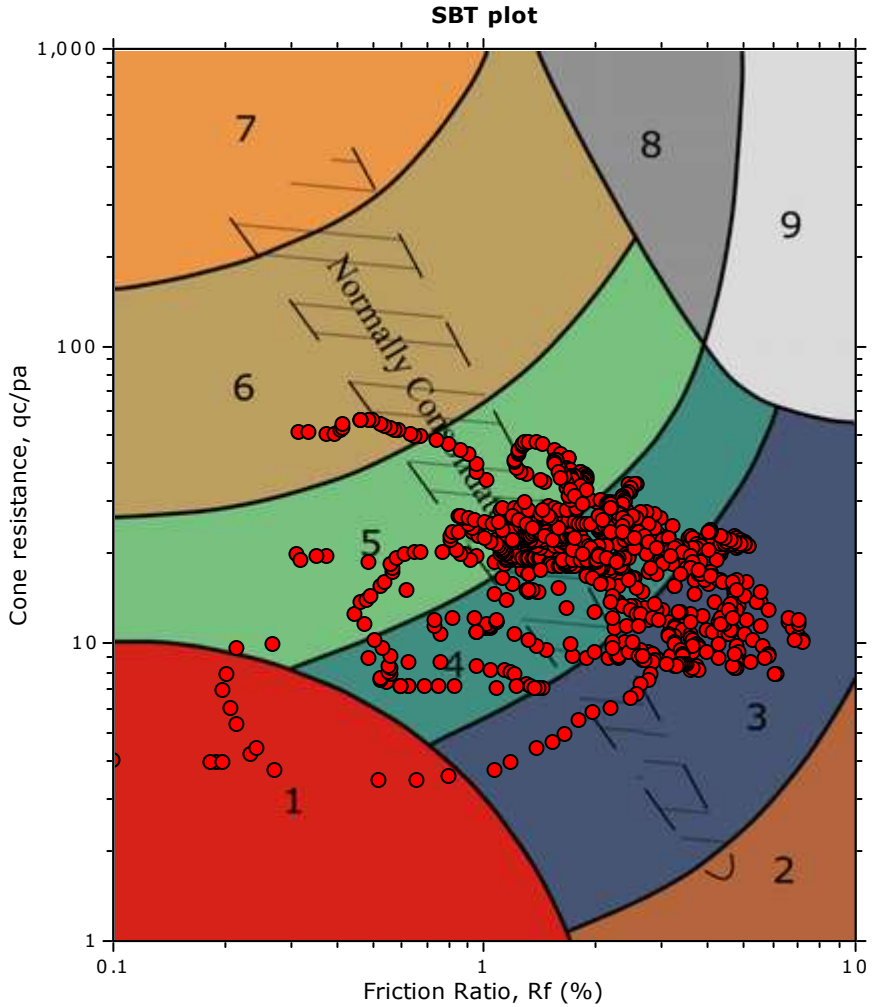
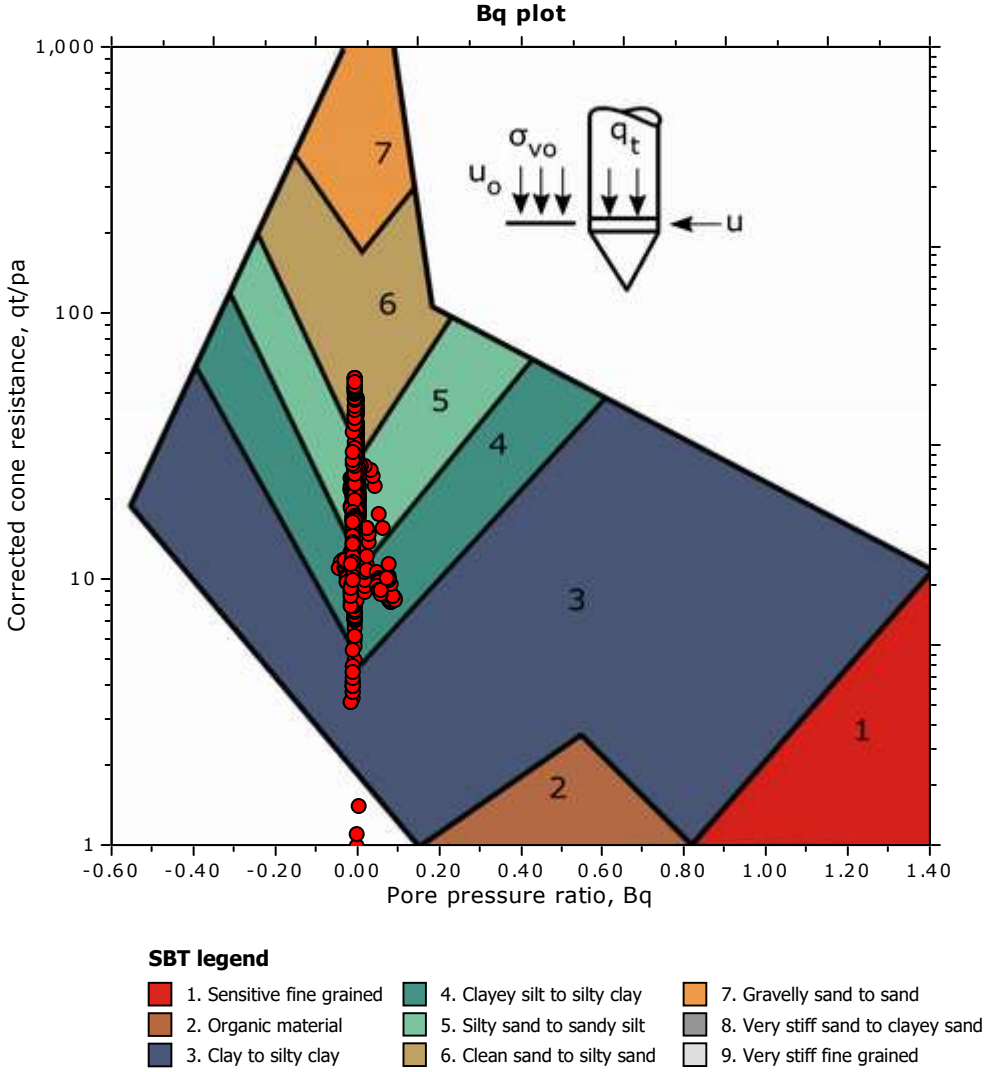
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti

SBT - Bq plots





SBT legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

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Project: **CPTU - Argine Arno**
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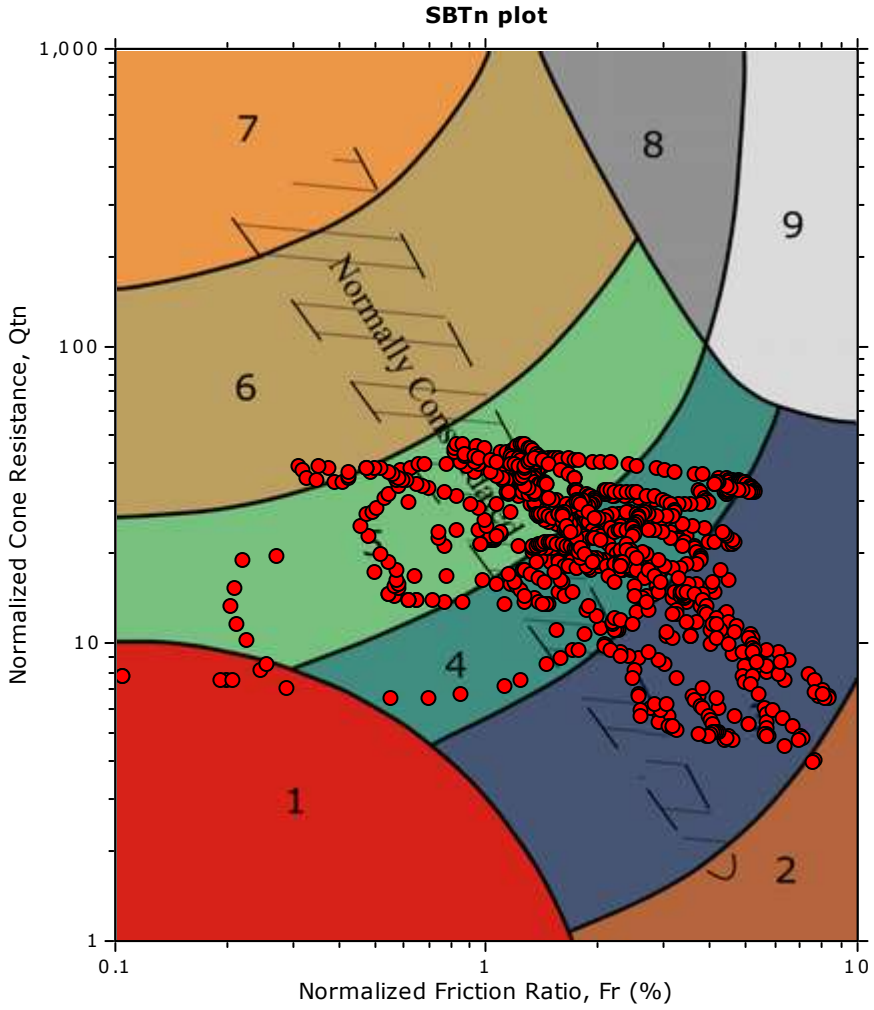
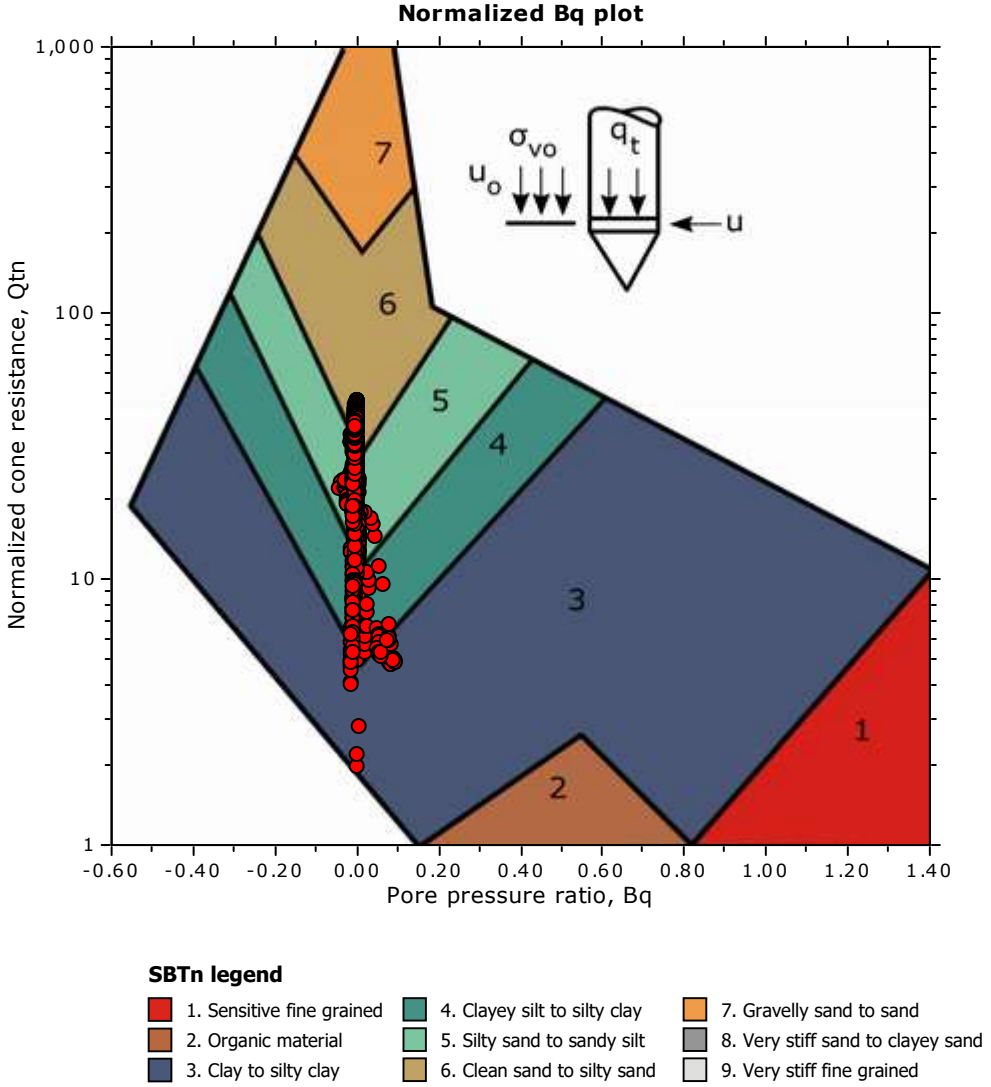
Cone Operator: Emanuele Anzilotti

SBT - Bq plots (normalized)





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Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-4
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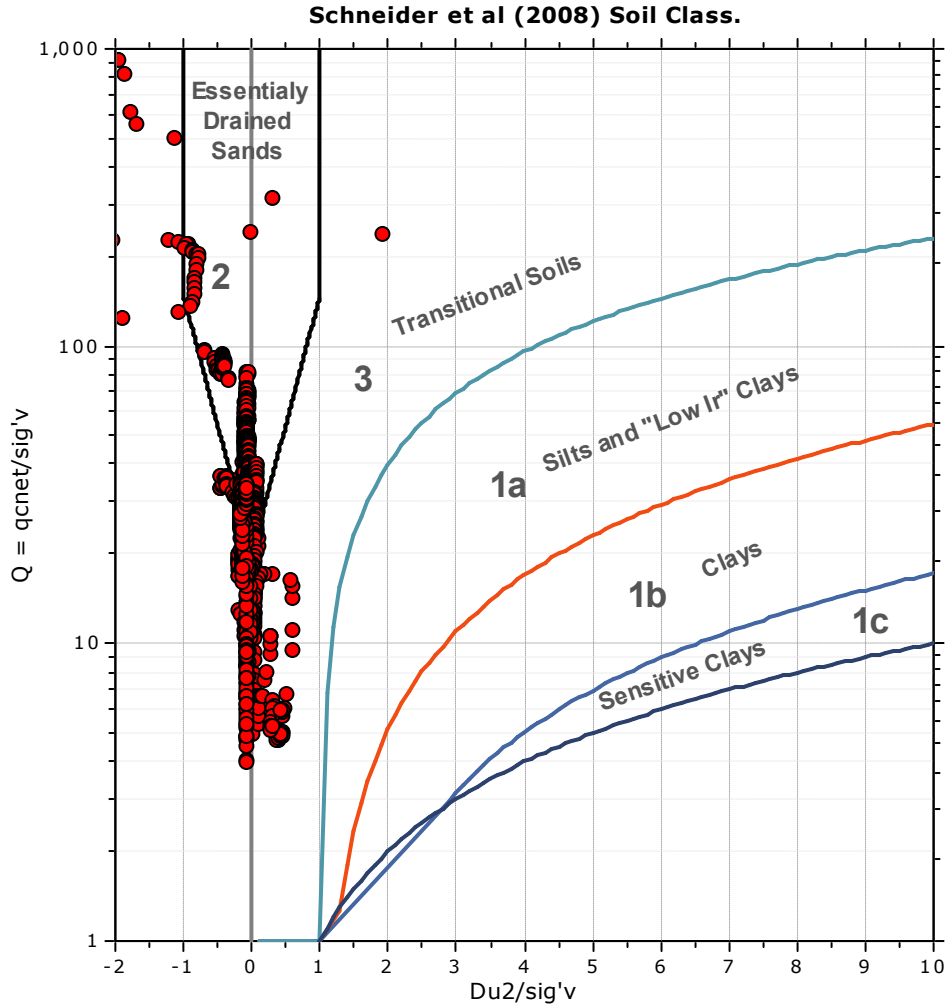
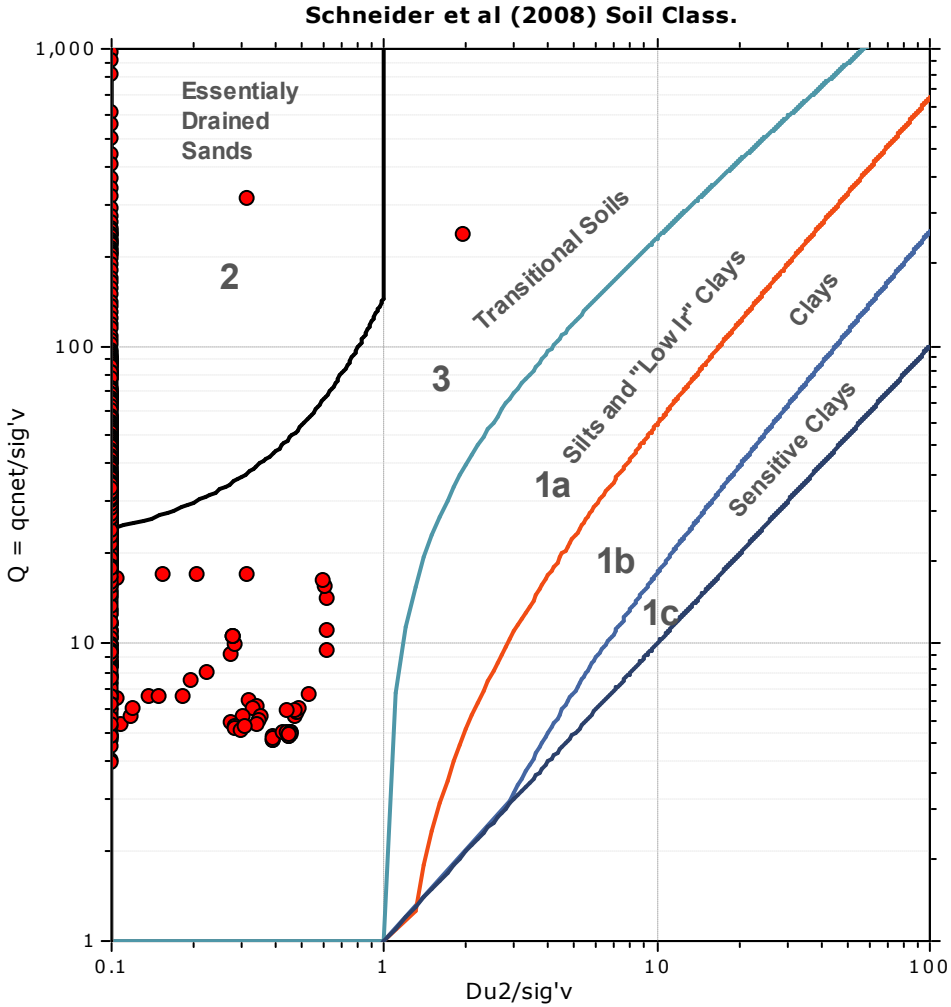
Bq plots (Schneider)





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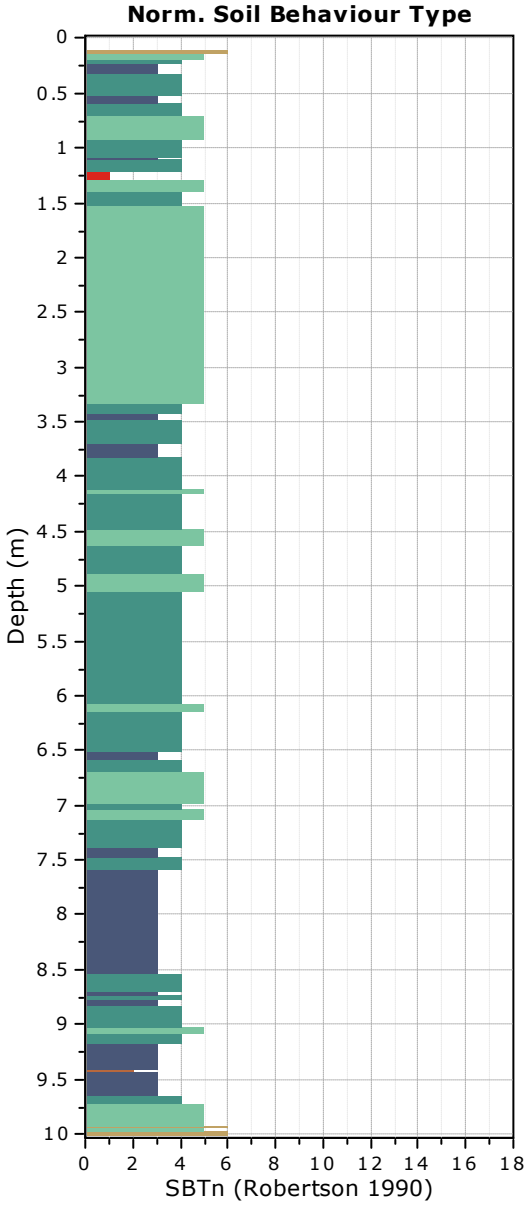

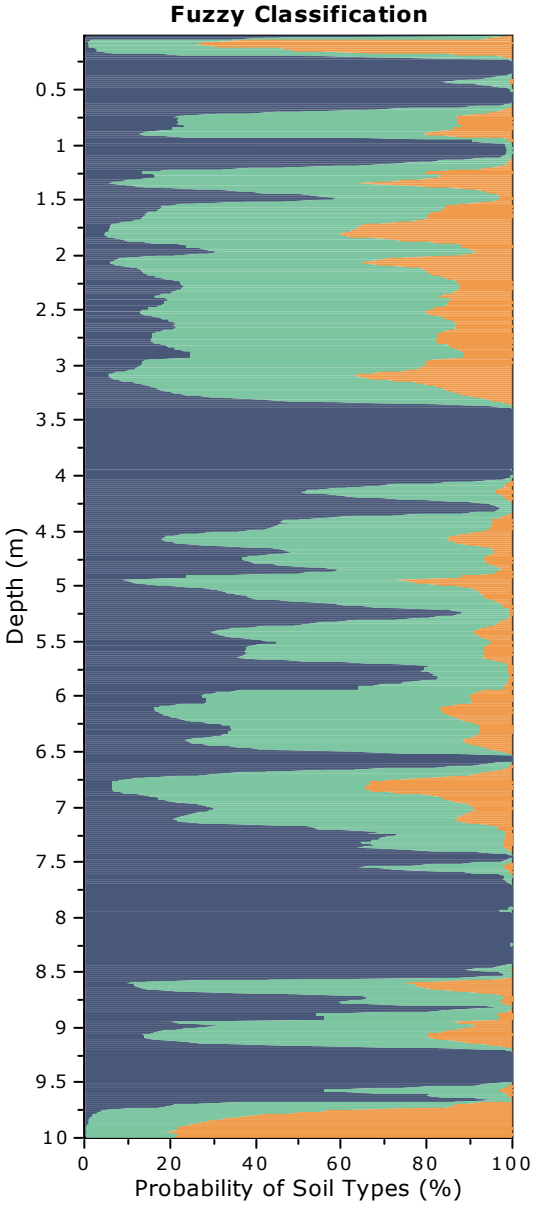

Fuzzy classifiaction legend
- Highly probable clayey soil
- Highly probable mixture soil
- Highly probable sandy soil

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Project: **CPTU - Argine Arno**
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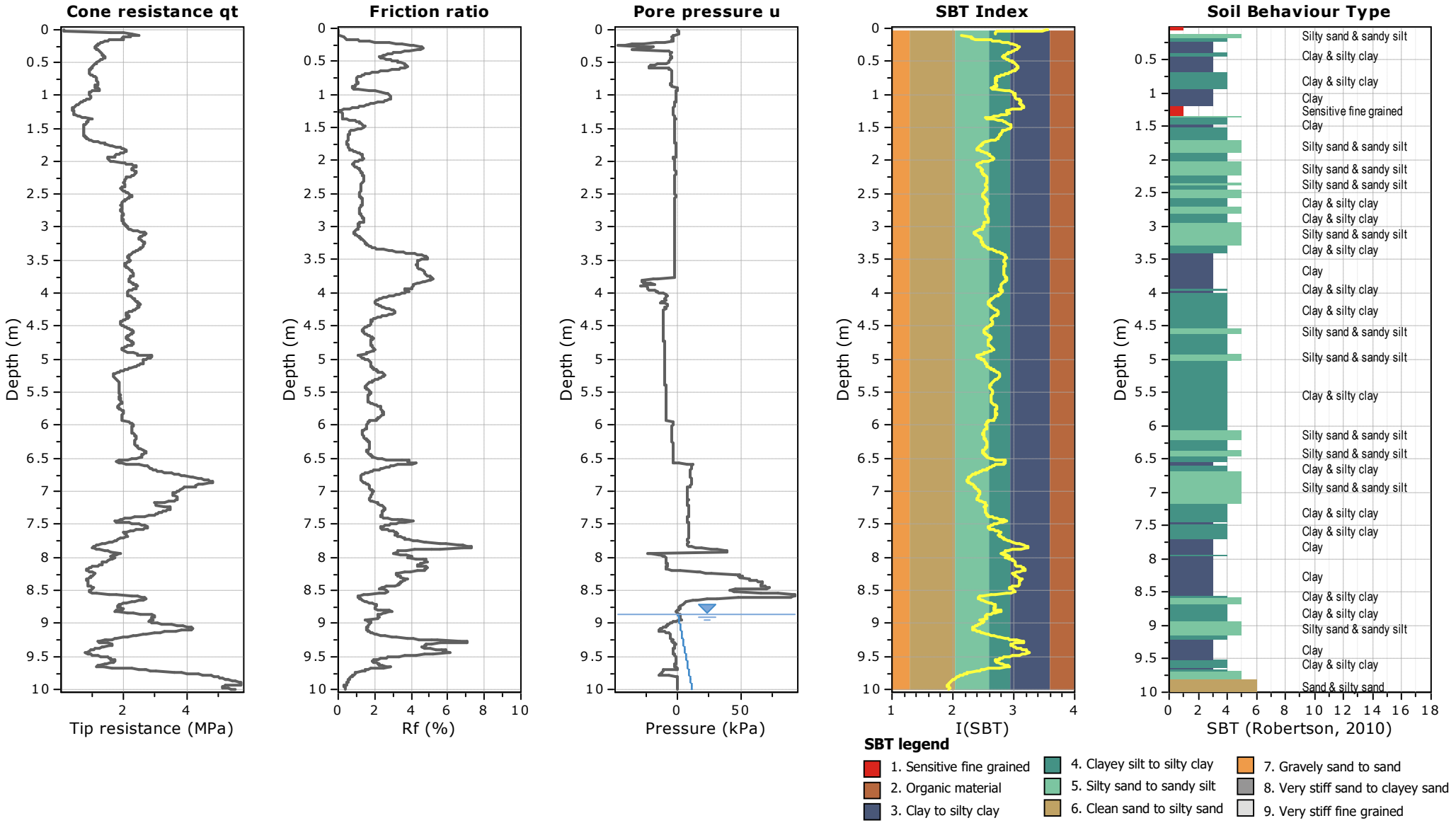

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Project: **CPTU - Argine Arno**
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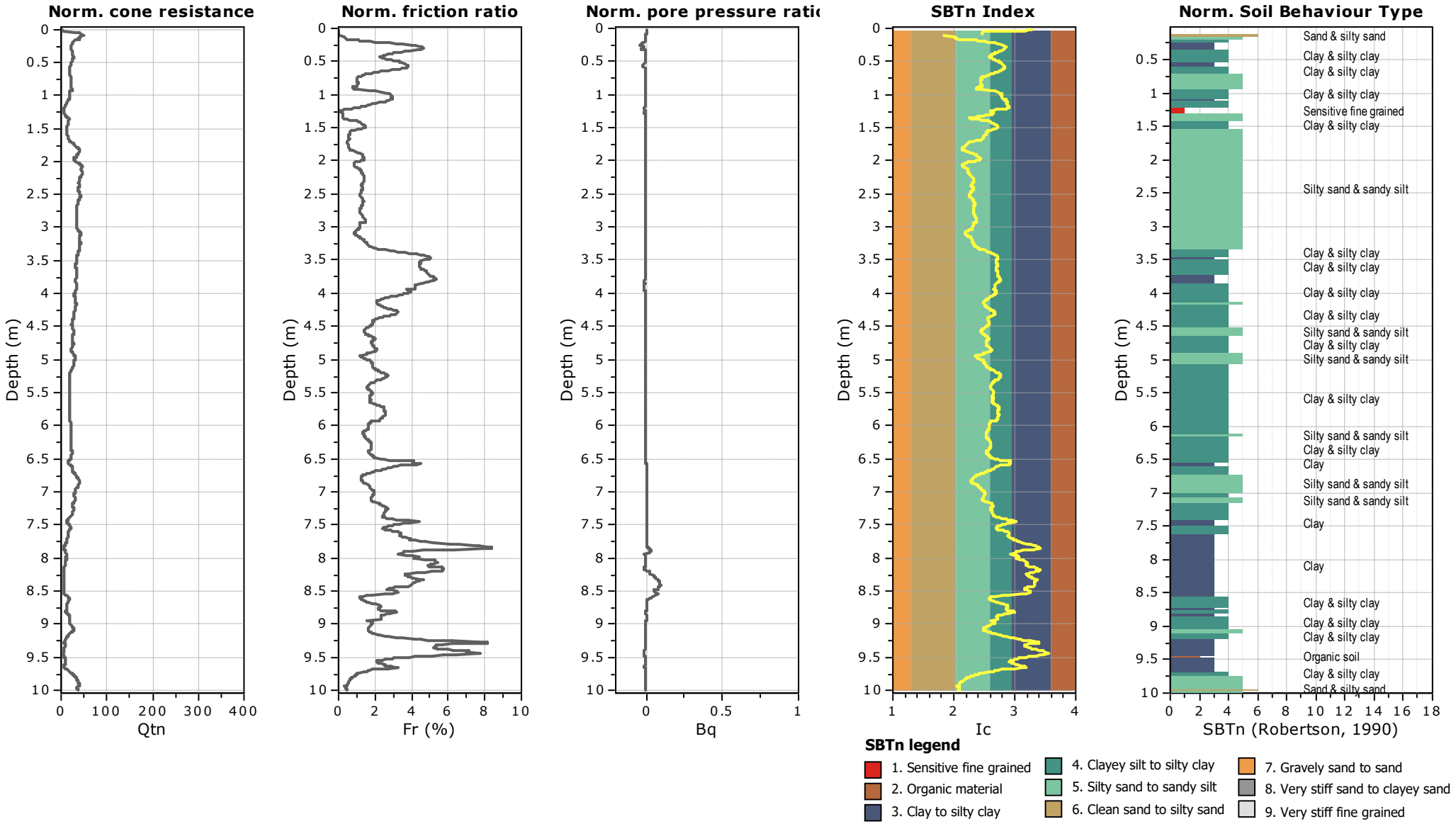

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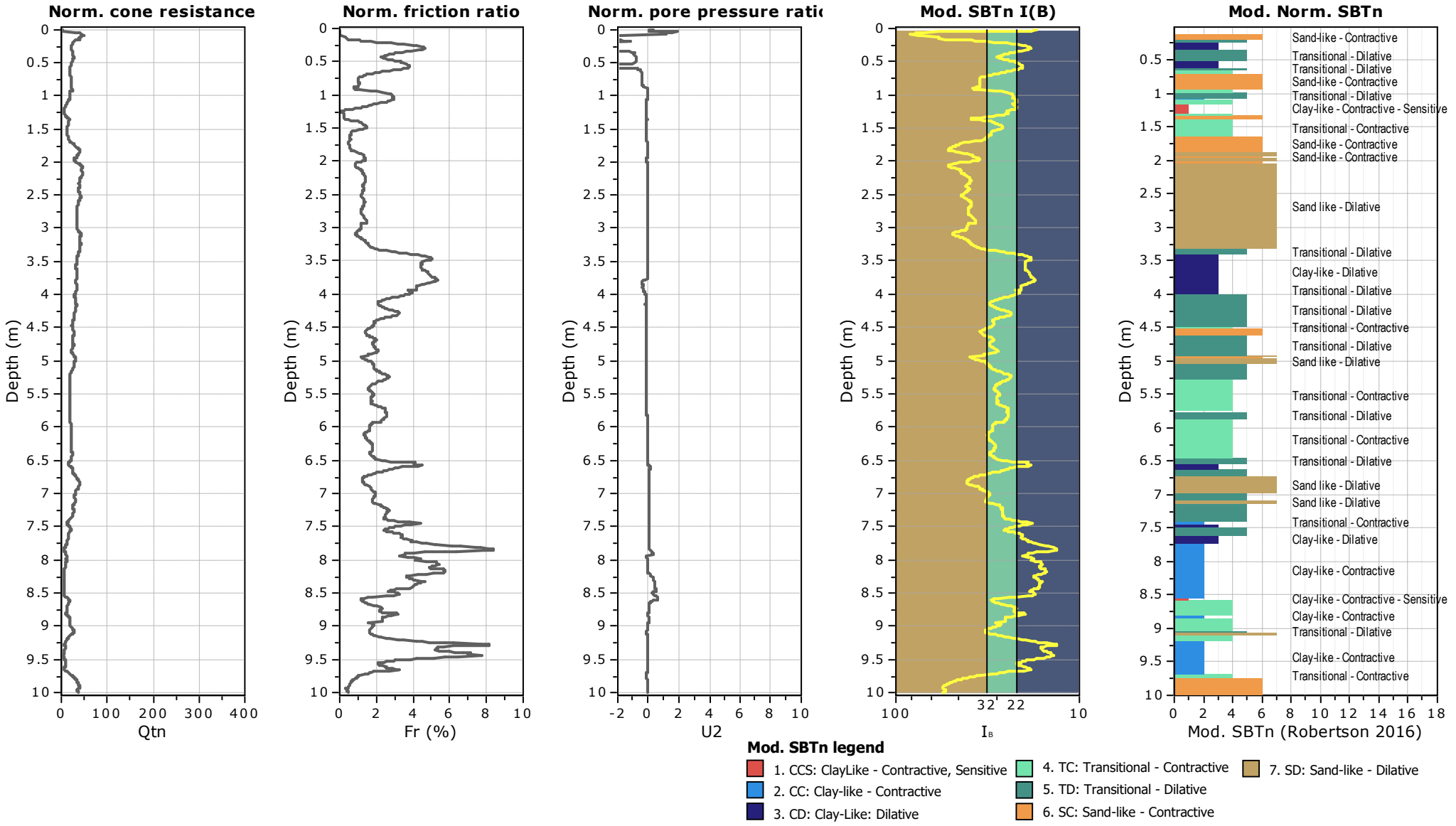

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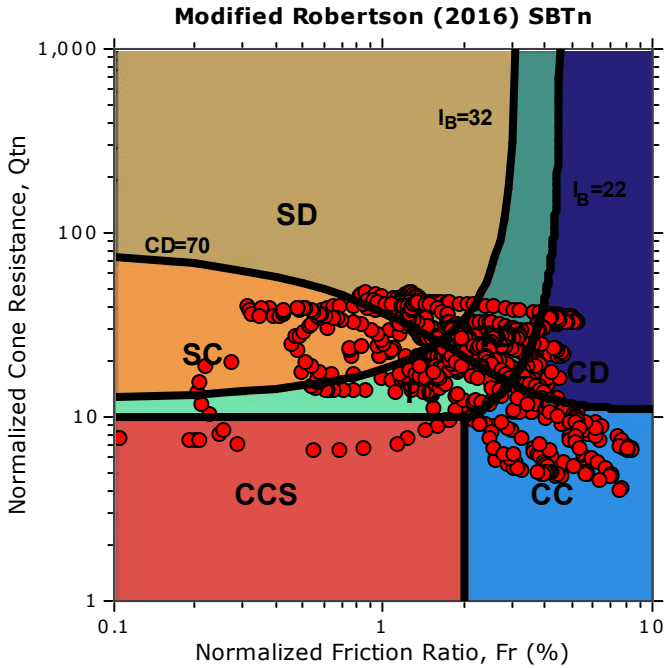
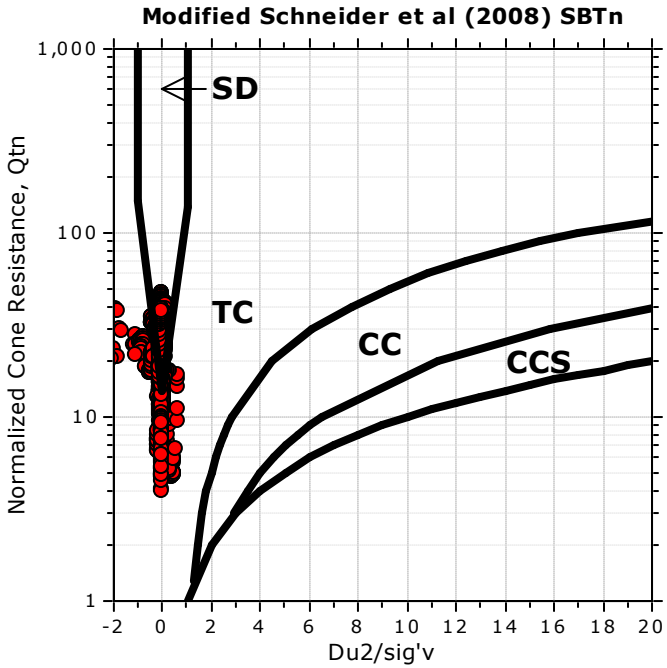
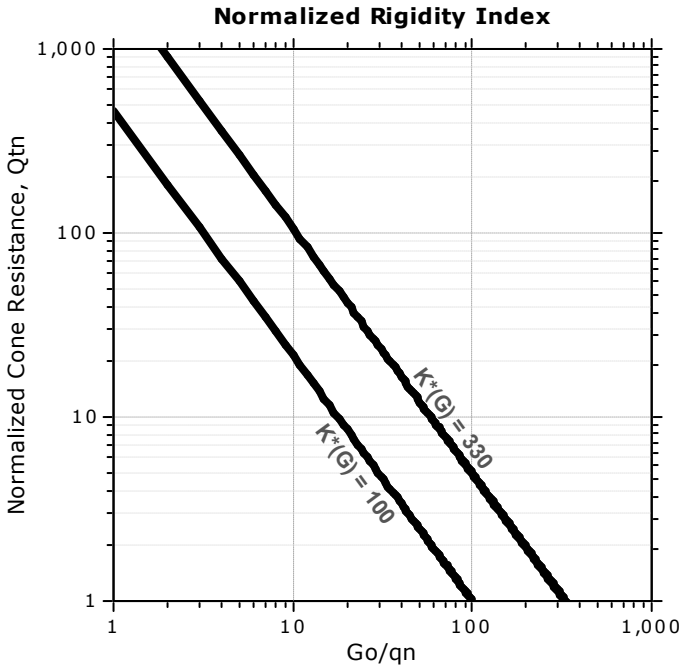
Updated SBTn plots







CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

K(G) > 330: Soils with significant microstructure (e.g. age/cementation)

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Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

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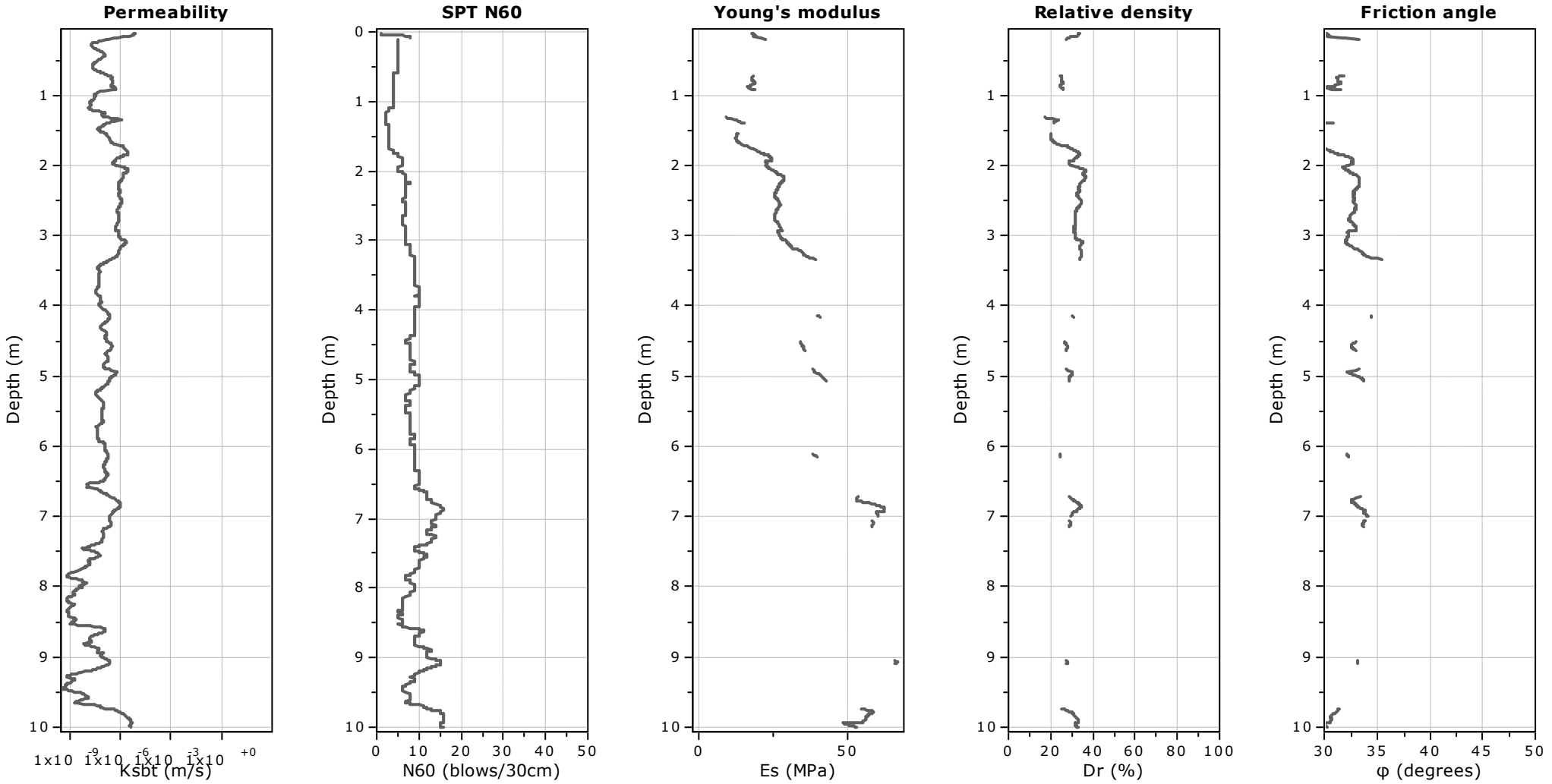

Calculation parameters

Permeability: Based on SBT_n
SPT N_{60}: Based on I_c and q_t
Young's modulus: Based on variable alpha using I_c (Robertson, 2009)
Relative density constant, C_{Dr}: 350.0
Phi: Based on Kulhawy & Mayne (1990)

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Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

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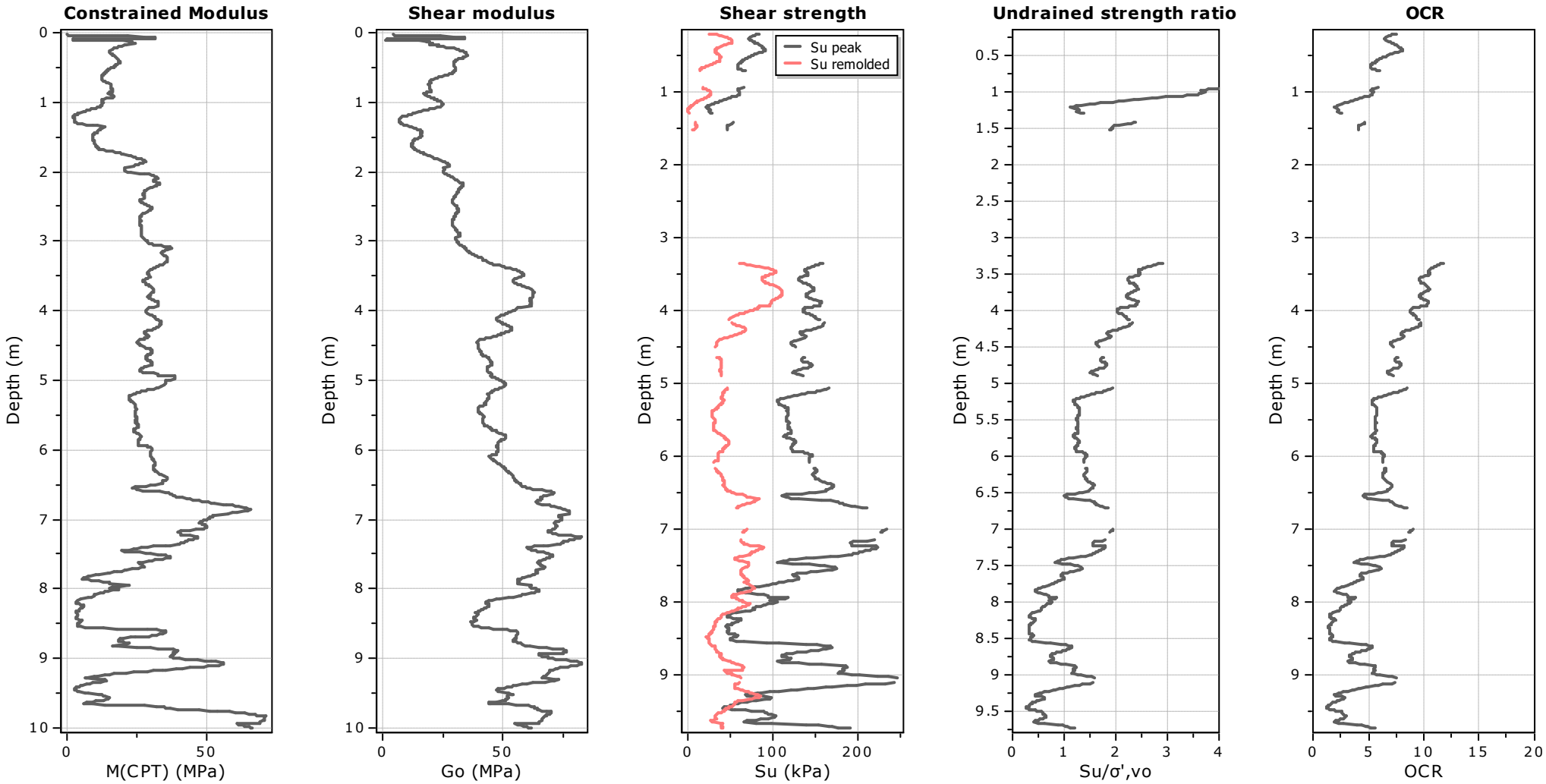

Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_{tn} (Robertson, 2009)
Go: Based on variable *alpha* using I_c (Robertson, 2009)
Undrained shear strength cone factor for clays, N_{kt}: 15
OCR factor for clays, N_{kt}: 0.30
Flat Dilatometer Test data

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Project: **CPTU - Argine Arno**
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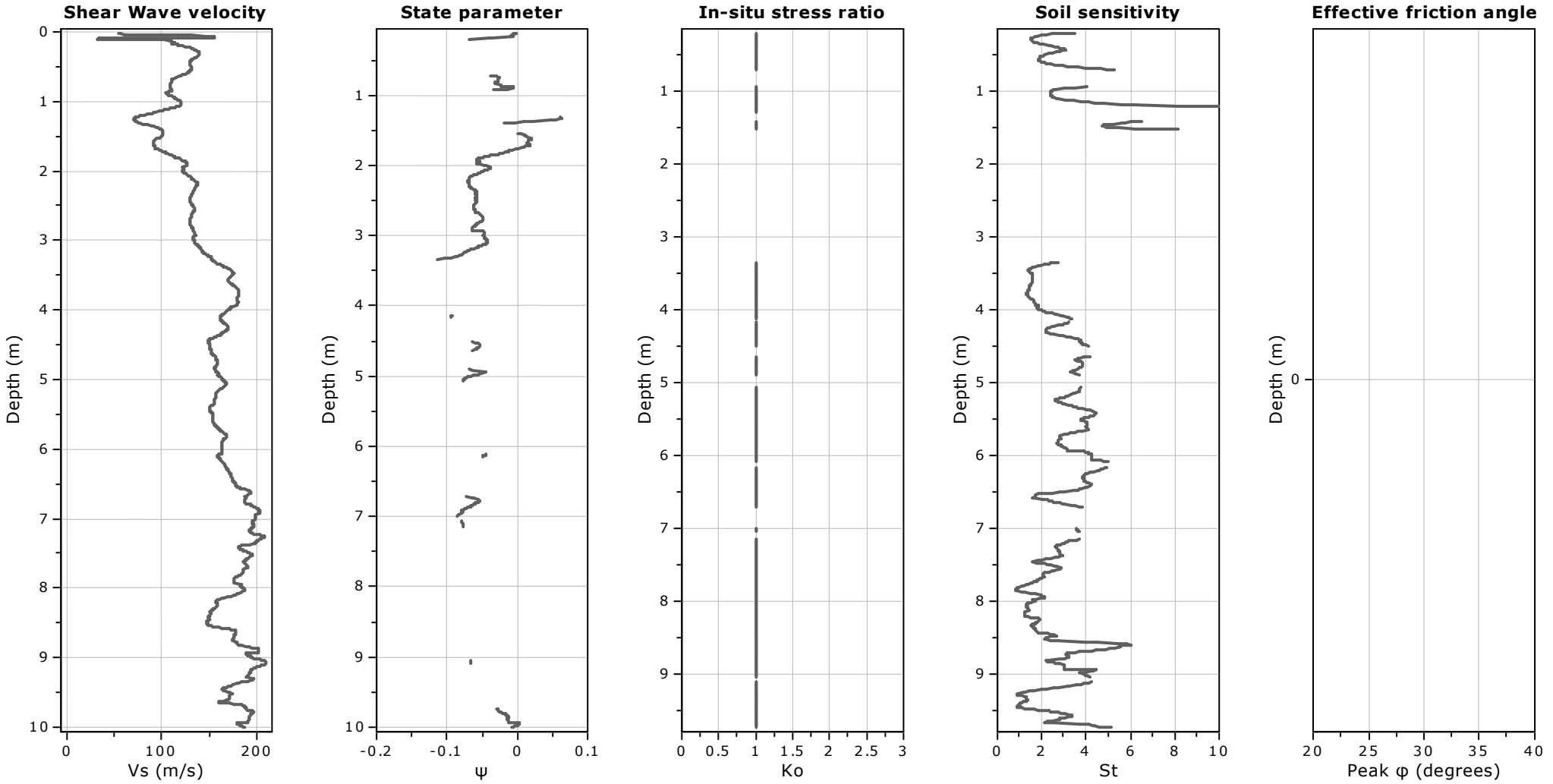

Calculation parameters

Soil Sensitivity factor, N_S: 7.00

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Project: **CPTU - Argine Arno**
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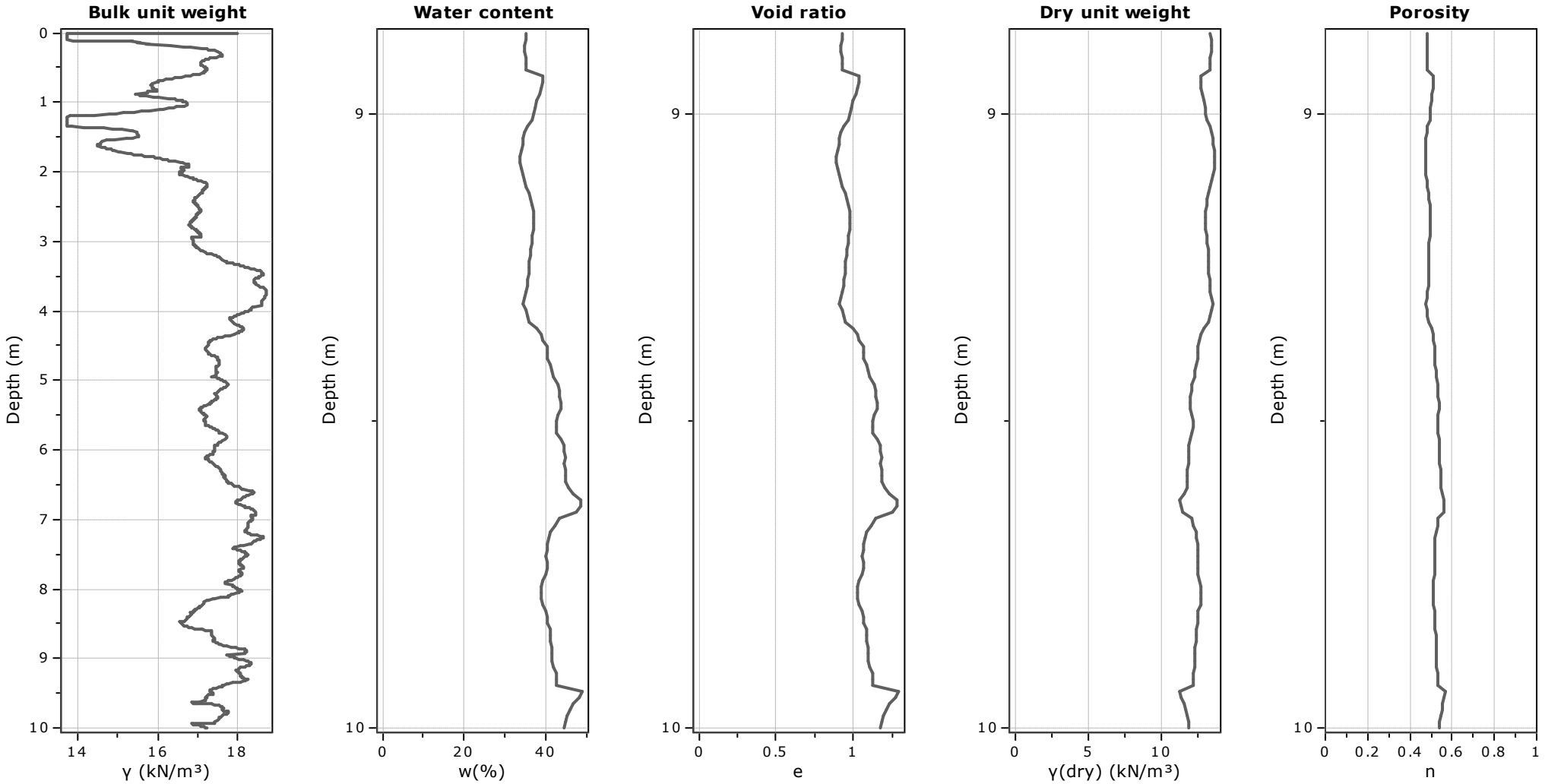

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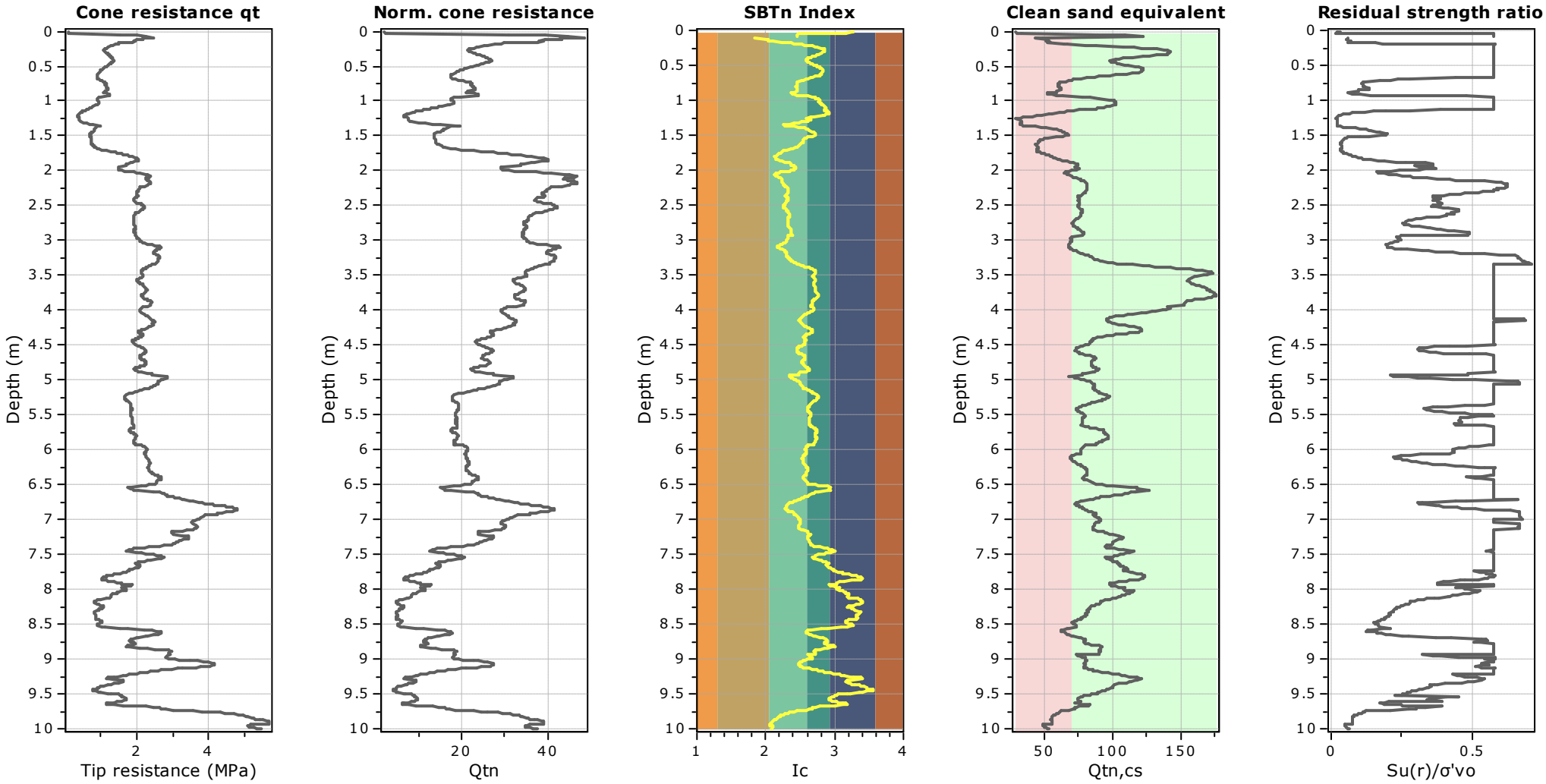

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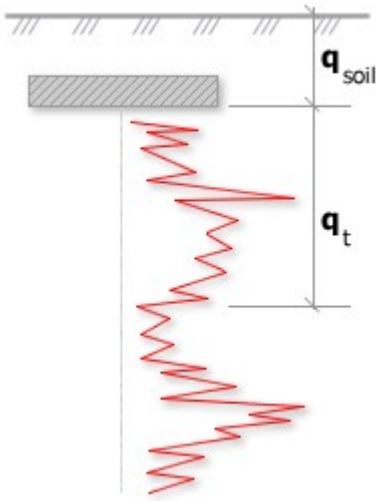
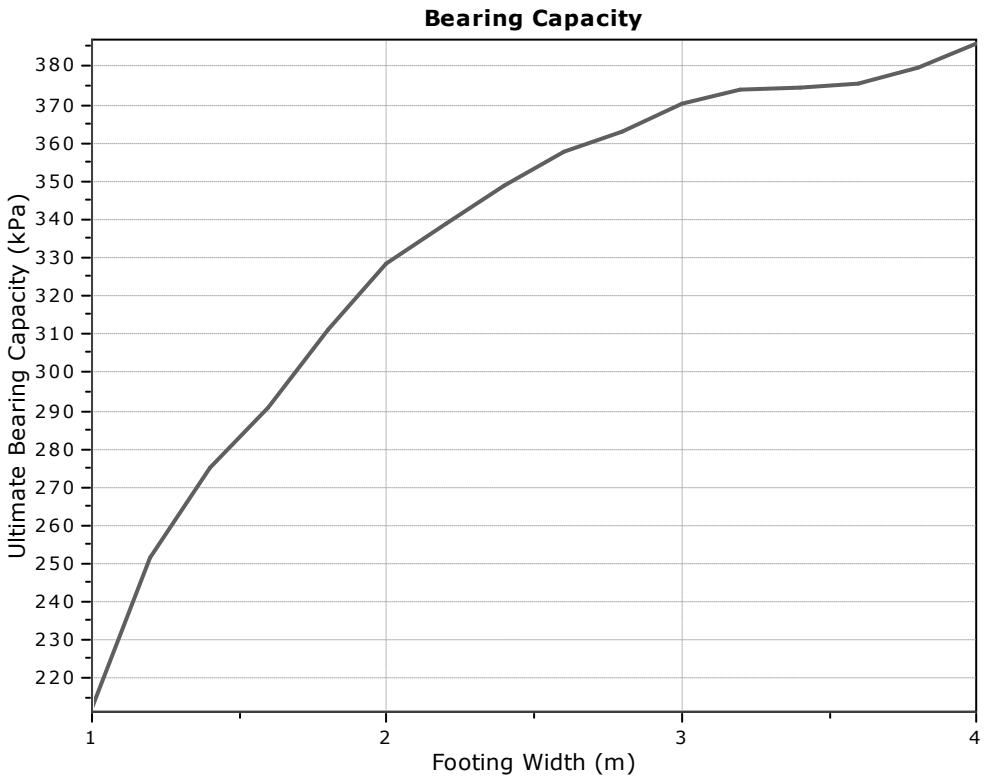


Bearing Capacity calculation is perfromed based on the formula:

$$Q_{ult} = R_k \times q_t + q_{soil}$$

where:
R_k: Bearing capacity factor
q_t: Average corrected cone resistance over calculation depth
q_{soil}: Pressure applied by soil above footing



:: Tabular results ::

No	B (m)	Start Depth (m)	End Depth (m)	Ave. q_t (MPa)	R_k	Soil Press. (kPa)	Ult. bearing cap. (kPa)
1	1.00	0.50	2.00	1.01	0.20	9.50	212.33
2	1.20	0.50	2.30	1.21	0.20	9.50	251.81
3	1.40	0.50	2.60	1.33	0.20	9.50	275.14
4	1.60	0.50	2.90	1.41	0.20	9.50	290.90
5	1.80	0.50	3.20	1.51	0.20	9.50	311.06
6	2.00	0.50	3.50	1.60	0.20	9.50	328.71
7	2.20	0.50	3.80	1.65	0.20	9.50	339.05
8	2.40	0.50	4.10	1.70	0.20	9.50	349.11
9	2.60	0.50	4.40	1.74	0.20	9.50	357.99
10	2.80	0.50	4.70	1.77	0.20	9.50	362.88
11	3.00	0.50	5.00	1.80	0.20	9.50	370.24
12	3.20	0.50	5.30	1.82	0.20	9.50	374.05
13	3.40	0.50	5.60	1.82	0.20	9.50	374.38
14	3.60	0.50	5.90	1.83	0.20	9.50	375.33
15	3.80	0.50	6.20	1.85	0.20	9.50	379.71
16	4.00	0.50	6.50	1.88	0.20	9.50	385.99

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
1	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.18	0.00	0.18	0.00	0.00	0.00	0.00	1.00	2.00	0.00	0.00	0.00	14.28	0.00
2	0.02	0.10	0.01	0.10	0.00	0.10	0.01	1.00	3.56	13.73	0.32	0.00	0.32	314.19	0.01	0.00	0.00	1.00	2.00	3.27	1.97	0.32	17.09	0.00
3	0.03	0.11	0.01	0.00	0.00	0.11	0.01	1.00	3.53	13.73	0.45	0.00	0.45	240.93	0.01	0.00	0.00	1.00	2.00	3.24	2.16	0.00	17.37	0.00
4	0.04	0.14	0.01	1.15	0.00	0.14	0.01	1.00	3.46	13.73	0.59	0.00	0.59	235.89	0.01	0.01	0.00	1.00	2.00	3.17	2.76	1.94	18.22	0.00
5	0.05	1.56	0.03	1.15	0.00	1.56	0.00	0.00	2.73	13.73	0.73	0.00	0.73	2138.19	0.00	0.00	0.00	0.80	2.00	2.48	30.78	1.58	58.21	0.00
6	0.06	1.99	0.03	0.67	0.00	1.99	0.00	0.00	2.70	13.73	0.87	0.00	0.87	2295.23	0.00	0.00	0.00	0.79	2.00	2.47	39.27	0.77	70.32	0.00
7	0.07	2.26	0.03	1.15	0.00	2.26	0.00	0.00	2.69	13.73	1.00	0.00	1.00	2250.15	0.00	0.00	0.00	0.79	2.00	2.46	44.59	1.15	77.93	0.00
8	0.08	2.26	0.03	1.15	0.00	2.26	0.00	0.00	2.69	13.73	1.14	0.00	1.14	1979.27	0.00	0.00	0.00	0.79	2.00	2.46	44.59	1.01	77.92	0.00
9	0.09	2.46	0.00	-2.49	0.00	2.46	0.00	0.00	0.00	13.73	1.28	0.00	1.28	1922.39	0.00	0.00	0.00	1.00	2.00	0.00	48.52	-1.95	83.60	0.00
10	0.10	2.17	0.00	-4.22	0.00	2.17	0.00	0.00	0.00	13.73	1.42	0.00	1.42	1530.80	0.00	0.00	0.00	1.00	2.00	0.00	42.79	-2.98	75.41	0.00
11	0.11	2.20	1.70	-3.93	0.08	2.20	0.08	0.00	2.14	13.90	1.56	0.00	1.56	1413.20	0.08	0.00	0.00	0.55	2.00	1.84	43.38	-2.53	72.77	0.00
12	0.12	2.00	6.24	-4.31	0.31	2.00	0.31	5.00	2.29	15.36	1.71	0.00	1.71	1168.98	0.31	0.00	6.00	0.62	2.00	2.01	39.43	-2.52	60.04	6.00
13	0.13	1.92	6.15	-4.22	0.32	1.92	0.32	5.00	2.31	15.33	1.86	0.00	1.86	1029.71	0.32	0.00	6.00	0.62	2.00	2.03	37.84	-2.27	58.25	6.00
14	0.14	1.97	7.47	-4.22	0.38	1.97	0.38	5.00	2.32	15.56	2.02	0.00	2.02	975.00	0.38	0.00	6.00	0.63	2.00	2.04	38.83	-2.09	57.62	6.00
15	0.15	1.98	7.03	-4.22	0.36	1.98	0.36	5.00	2.31	15.49	2.17	0.00	2.17	910.00	0.36	0.00	6.00	0.62	2.00	2.03	39.02	-1.94	58.45	6.00
16	0.16	1.90	9.27	-4.31	0.49	1.90	0.49	5.00	2.38	15.80	2.33	0.00	2.33	813.91	0.49	0.00	5.00	0.65	2.00	2.10	37.44	-1.85	53.73	6.00
17	0.17	1.52	9.40	-4.41	0.62	1.52	0.62	5.00	2.51	15.73	2.49	0.00	2.49	609.64	0.62	0.00	5.00	0.70	2.00	2.24	29.94	-1.77	45.10	6.00
18	0.18	1.48	15.76	-4.41	1.06	1.48	1.07	4.00	2.62	16.31	2.65	0.00	2.65	556.98	1.07	0.00	5.00	0.75	2.00	2.36	29.14	-1.66	38.71	6.00
19	0.19	1.40	16.21	-3.16	1.16	1.40	1.16	4.00	2.66	16.32	2.81	0.00	2.81	496.28	1.16	0.00	5.00	0.77	2.00	2.40	27.57	-1.12	36.83	6.00
20	0.20	1.32	22.04	-10.54	1.67	1.32	1.67	4.00	2.76	16.65	2.98	0.00	2.98	441.14	1.68	-0.01	5.00	0.81	2.00	2.51	25.95	-3.54	31.68	5.00
21	0.21	1.28	25.29	-17.16	1.97	1.28	1.98	4.00	2.81	16.80	3.15	0.00	3.15	404.40	1.99	-0.01	4.00	0.83	2.00	2.57	25.13	-5.45	29.30	5.00
22	0.22	1.22	34.02	-26.64	2.78	1.21	2.80	3.00	2.92	17.12	3.32	0.00	3.32	364.82	2.81	-0.02	4.00	0.87	2.00	2.68	23.90	-8.02	24.72	5.00
23	0.23	1.20	37.68	-36.42	3.15	1.19	3.16	3.00	2.95	17.23	3.49	0.00	3.49	340.45	3.17	-0.03	4.00	0.89	2.00	2.71	23.47	-10.43	23.18	5.00
24	0.24	1.17	40.11	-41.31	3.43	1.16	3.45	3.00	2.98	17.29	3.66	0.00	3.66	315.88	3.46	-0.04	4.00	0.90	2.00	2.75	22.85	-11.27	22.02	3.00
25	0.25	1.12	44.17	-46.96	3.96	1.11	3.98	3.00	3.04	17.39	3.84	0.00	3.84	288.19	3.99	-0.04	3.00	0.92	2.00	2.80	21.84	-12.23	20.25	3.00
26	0.26	1.11	45.69	-30.48	4.11	1.10	4.14	3.00	3.05	17.42	4.01	0.00	4.01	274.01	4.16	-0.03	3.00	0.93	2.00	2.82	21.70	-7.60	19.79	3.00
27	0.27	1.09	48.65	-19.26	4.44	1.09	4.48	3.00	3.07	17.49	4.19	0.00	4.19	258.31	4.50	-0.02	3.00	0.94	2.00	2.84	21.35	-4.60	18.88	3.00
28	0.28	1.09	49.82	-22.62	4.55	1.09	4.59	3.00	3.08	17.52	4.36	0.00	4.36	247.74	4.61	-0.02	3.00	0.94	2.00	2.85	21.34	-5.18	18.61	3.00
29	0.29	1.12	51.93	-29.81	4.65	1.11	4.66	3.00	3.08	17.57	4.54	0.00	4.54	244.39	4.68	-0.03	3.00	0.94	2.00	2.85	21.89	-6.57	18.49	3.00
30	0.30	1.13	51.84	-33.74	4.58	1.12	4.62	3.00	3.07	17.57	4.71	0.00	4.71	237.18	4.64	-0.03	3.00	0.94	2.00	2.84	22.07	-7.16	18.61	3.00
31	0.31	1.17	51.96	-34.98	4.44	1.16	4.47	3.00	3.05	17.59	4.89	0.00	4.89	236.74	4.49	-0.03	3.00	0.93	2.00	2.82	22.85	-7.15	19.04	3.00
32	0.32	1.19	52.09	-35.56	4.39	1.18	4.40	3.00	3.04	17.60	5.07	0.00	5.07	232.41	4.42	-0.03	3.00	0.92	2.00	2.81	23.24	-7.02	19.23	3.00
33	0.33	1.20	51.77	-10.64	4.33	1.20	4.32	3.00	3.03	17.60	5.24	0.00	5.24	227.48	4.34	-0.01	3.00	0.92	2.00	2.80	23.54	-2.03	19.48	3.00
34	0.34	1.24	48.11	-6.61	3.88	1.24	3.88	3.00	2.99	17.53	5.42	0.00	5.42	227.63	3.90	-0.01	4.00	0.90	2.00	2.76	24.34	-1.22	20.82	3.00
35	0.35	1.26	45.50	-5.94	3.61	1.26	3.61	3.00	2.97	17.47	5.59	0.00	5.59	224.09	3.63	0.00	4.00	0.89	2.00	2.74	24.74	-1.06	21.74	3.00
36	0.36	1.28	43.39	-5.27	3.38	1.28	3.39	3.00	2.95	17.42	5.77	0.00	5.77	220.78	3.41	0.00	4.00	0.89	2.00	2.71	25.13	-0.91	22.57	5.00
37	0.37	1.31	39.54	-5.65	3.02	1.31	3.02	3.00	2.91	17.32	5.94	0.00	5.94	219.35	3.03	0.00	4.00	0.87	2.00	2.67	25.72	-0.95	24.13	5.00
38	0.38	1.31	38.50	-5.94	2.93	1.31	2.94	3.00	2.90	17.29	6.11	0.00	6.11	213.11	2.96	0.00	4.00	0.87	2.00	2.66	25.71	-0.97	24.46	5.00
39	0.39	1.33	35.88	-5.37	2.70	1.33	2.70	3.00	2.87	17.22	6.28	0.00	6.28	210.44	2.71	0.00	4.00	0.86	2.00	2.64	26.11	-0.85	25.64	5.00
40	0.40	1.34	34.21	-5.56	2.55	1.34	2.56	4.00	2.86	17.16	6.46	0.00	6.46	206.37	2.57	0.00	4.00	0.85	2.00	2.62	26.30	-0.86	26.39	5.00
41	0.41	1.35	33.39	-5.27	2.47	1.35	2.48	4.00	2.85	17.14	6.63	0.00	6.63	202.52	2.49	0.00	4.00	0.85	2.00	2.61	26.49	-0.80	26.85	5.00
42	0.42	1.38	31.75	-5.27	2.30	1.38	2.30	4.00	2.82	17.09	6.80	0.00	6.80	201.82	2.31	0.00	4.00	0.84	2.00	2.58	27.08	-0.78	27.95	5.00
43	0.43	1.38	31.31	-5.27	2.27	1.38	2.27	4.00	2.82	17.07	6.97	0.00	6.97	196.85	2.28	0.00	4.00	0.84	2.00	2.58	27.08	-0.76	28.13	5.00
44	0.44	1.34	31.62	-5.65	2.36	1.34	2.36	4.00	2.84	17.07	7.14	0.00	7.14	186.51	2.37	0.00	4.00	0.84	2.00	2.60	26.29	-0.79	27.40	5.00
45	0.45	1.31	32.60	-5.85	2.48	1.31	2.49	4.00	2.86	17.10	7.31	0.00	7.31	178.01	2.50	0.00	4.00	0.85	2.00	2.62	25.69	-0.80	26.56	5.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
46	0.46	1.27	32.98	-6.13	2.59	1.27	2.60	3.00	2.88	17.10	7.48	0.00	7.48	168.57	2.61	0.00	4.00	0.86	2.00	2.64	24.89	-0.82	25.83	5.00
47	0.47	1.26	33.17	-6.23	2.64	1.26	2.64	3.00	2.89	17.10	7.65	0.00	7.65	163.47	2.65	0.00	4.00	0.86	2.00	2.65	24.69	-0.81	25.61	5.00
48	0.48	1.22	34.65	-6.52	2.85	1.22	2.84	3.00	2.92	17.14	7.82	0.00	7.82	154.74	2.86	-0.01	4.00	0.88	2.00	2.68	23.90	-0.83	24.49	5.00
49	0.49	1.20	35.60	-6.61	2.98	1.20	2.97	3.00	2.93	17.17	8.00	0.00	8.00	148.90	2.99	-0.01	4.00	0.88	2.00	2.70	23.50	-0.83	23.88	5.00
50	0.50	1.15	37.68	-6.90	3.27	1.15	3.28	3.00	2.97	17.22	8.17	0.00	8.17	139.61	3.30	-0.01	4.00	0.90	2.00	2.74	22.51	-0.84	22.52	5.00
51	0.51	1.14	37.33	-7.28	3.28	1.14	3.28	3.00	2.98	17.20	8.34	0.00	8.34	135.50	3.30	-0.01	4.00	0.90	2.00	2.74	22.31	-0.87	22.48	5.00
52	0.52	1.12	38.25	-9.10	3.41	1.12	3.42	3.00	2.99	17.22	8.51	0.00	8.51	130.35	3.45	-0.01	4.00	0.91	2.00	2.76	21.90	-1.07	21.93	3.00
53	0.53	1.08	39.00	-16.29	3.62	1.08	3.62	3.00	3.02	17.23	8.68	0.00	8.68	122.96	3.65	-0.02	4.00	0.92	2.00	2.79	21.08	-1.88	21.14	3.00
54	0.54	1.06	38.37	-18.59	3.61	1.06	3.63	3.00	3.03	17.20	8.86	0.00	8.86	118.24	3.66	-0.02	3.00	0.92	2.00	2.80	20.67	-2.10	21.05	3.00
55	0.55	1.04	37.96	-21.76	3.65	1.04	3.67	3.00	3.04	17.18	9.03	0.00	9.03	113.68	3.70	-0.02	3.00	0.92	2.00	2.81	20.26	-2.41	20.88	3.00
56	0.56	1.01	37.65	-21.66	3.73	1.01	3.74	3.00	3.06	17.16	9.20	0.00	9.20	108.28	3.78	-0.02	3.00	0.93	2.00	2.82	19.66	-2.35	20.56	3.00
57	0.57	0.99	37.24	-22.43	3.75	0.99	3.78	3.00	3.06	17.14	9.37	0.00	9.37	104.13	3.82	-0.02	3.00	0.93	2.00	2.83	19.26	-2.39	20.39	3.00
58	0.58	0.98	36.83	-22.04	3.75	0.98	3.78	3.00	3.07	17.13	9.54	0.00	9.54	101.21	3.81	-0.02	3.00	0.94	2.00	2.84	19.06	-2.31	20.37	3.00
59	0.59	0.95	34.87	-6.61	3.67	0.95	3.68	3.00	3.07	17.05	9.71	0.00	9.71	96.66	3.71	-0.01	3.00	0.94	2.00	2.84	18.53	-0.68	20.55	3.00
60	0.60	0.95	32.63	-6.61	3.45	0.95	3.44	3.00	3.05	16.98	9.88	0.00	9.88	94.98	3.48	-0.01	3.00	0.93	2.00	2.82	18.53	-0.67	21.23	3.00
61	0.61	0.92	30.30	-5.46	3.30	0.92	3.30	3.00	3.06	16.88	10.05	0.00	10.05	90.41	3.33	-0.01	4.00	0.93	2.00	2.82	17.94	-0.54	21.52	3.00
62	0.62	0.91	28.85	-5.46	3.18	0.91	3.17	3.00	3.05	16.82	10.22	0.00	10.22	87.93	3.21	-0.01	4.00	0.93	2.00	2.81	17.74	-0.53	21.85	3.00
63	0.63	0.90	26.20	-5.18	2.92	0.90	2.91	3.00	3.03	16.70	10.39	0.00	10.39	85.54	2.95	-0.01	4.00	0.92	2.00	2.79	17.54	-0.50	22.63	5.00
64	0.64	0.89	23.81	-5.27	2.67	0.89	2.68	3.00	3.02	16.59	10.55	0.00	10.55	83.23	2.71	-0.01	4.00	0.91	2.00	2.78	17.34	-0.50	23.37	5.00
65	0.65	0.90	20.87	-4.98	2.33	0.90	2.32	3.00	2.98	16.44	10.72	0.00	10.72	82.88	2.35	-0.01	4.00	0.90	2.00	2.74	17.53	-0.46	24.76	4.00
66	0.66	0.90	19.61	-4.98	2.19	0.90	2.18	3.00	2.96	16.37	10.88	0.00	10.88	81.61	2.21	-0.01	4.00	0.89	2.00	2.72	17.53	-0.46	25.32	4.00
67	0.67	0.90	16.99	-4.79	1.89	0.90	1.89	3.00	2.93	16.21	11.04	0.00	11.04	80.40	1.91	-0.01	4.00	0.88	2.00	2.69	17.53	-0.43	26.59	4.00
68	0.68	0.91	15.76	-4.79	1.74	0.91	1.73	4.00	2.91	16.12	11.20	0.00	11.20	80.13	1.76	-0.01	4.00	0.87	2.00	2.66	17.72	-0.43	27.42	4.00
69	0.69	0.96	14.19	-4.89	1.48	0.96	1.48	4.00	2.86	16.02	11.36	0.00	11.36	83.38	1.50	-0.01	4.00	0.85	2.00	2.60	18.70	-0.43	29.29	4.00
70	0.70	0.99	13.81	-4.89	1.39	0.99	1.40	4.00	2.83	16.00	11.53	0.00	11.53	84.81	1.41	-0.01	4.00	0.84	2.00	2.58	19.29	-0.42	30.12	4.00
71	0.71	1.04	13.72	-4.98	1.32	1.04	1.32	4.00	2.80	16.02	11.69	0.00	11.69	87.91	1.34	0.00	4.00	0.83	2.00	2.55	20.28	-0.43	31.19	4.00
72	0.72	1.08	13.08	-4.89	1.21	1.08	1.21	4.00	2.77	15.97	11.84	0.00	11.84	90.09	1.23	0.00	5.00	0.81	2.00	2.51	21.06	-0.41	32.42	6.00
73	0.73	1.13	11.86	-4.98	1.05	1.13	1.05	4.00	2.72	15.88	12.00	0.00	12.00	93.05	1.06	0.00	5.00	0.80	2.00	2.46	22.05	-0.41	34.31	6.00
74	0.74	1.14	11.70	-4.98	1.02	1.14	1.03	4.00	2.71	15.87	12.16	0.00	12.16	92.65	1.04	0.00	5.00	0.79	2.00	2.46	22.24	-0.41	34.63	6.00
75	0.75	1.15	11.38	-5.08	0.99	1.15	0.99	4.00	2.70	15.84	12.32	0.00	12.32	92.25	1.00	0.00	5.00	0.79	2.00	2.45	22.43	-0.41	35.08	6.00
76	0.76	1.14	11.54	-5.08	1.01	1.14	1.01	4.00	2.71	15.85	12.48	0.00	12.48	90.27	1.02	0.00	5.00	0.79	2.00	2.45	22.23	-0.41	34.74	6.00
77	0.77	1.14	11.57	-5.08	1.01	1.14	1.02	4.00	2.71	15.85	12.64	0.00	12.64	89.12	1.03	0.00	5.00	0.79	2.00	2.45	22.23	-0.40	34.72	6.00
78	0.78	1.15	11.60	-5.08	1.01	1.15	1.01	4.00	2.71	15.86	12.80	0.00	12.80	88.79	1.02	0.00	5.00	0.79	2.00	2.45	22.43	-0.40	34.91	6.00
79	0.79	1.15	11.70	-5.08	1.02	1.15	1.02	4.00	2.71	15.87	12.96	0.00	12.96	87.69	1.03	0.00	5.00	0.79	2.00	2.45	22.42	-0.39	34.83	6.00
80	0.80	1.16	11.89	-5.08	1.02	1.16	1.03	4.00	2.71	15.89	13.11	0.00	13.11	87.37	1.04	0.00	5.00	0.79	2.00	2.45	22.62	-0.39	34.90	6.00
81	0.81	1.17	11.86	-5.18	1.01	1.17	1.01	4.00	2.70	15.89	13.27	0.00	13.27	87.07	1.03	0.00	5.00	0.79	2.00	2.44	22.81	-0.39	35.13	6.00
82	0.82	1.19	12.83	-5.37	1.08	1.19	1.08	4.00	2.71	15.99	13.43	0.00	13.43	87.50	1.09	0.00	5.00	0.79	2.00	2.45	23.20	-0.40	34.83	6.00
83	0.83	1.19	12.83	-5.37	1.08	1.19	1.08	4.00	2.71	15.99	13.59	0.00	13.59	86.46	1.09	0.00	5.00	0.79	2.00	2.45	23.20	-0.40	34.83	6.00
84	0.84	1.19	12.83	-5.37	1.08	1.19	1.08	4.00	2.71	15.99	13.75	0.00	13.75	85.45	1.09	0.00	5.00	0.79	2.00	2.45	23.20	-0.39	34.82	6.00
85	0.85	1.10	10.56	-4.70	0.96	1.10	0.96	4.00	2.72	15.74	13.91	0.00	13.91	78.01	0.97	0.00	5.00	0.79	2.00	2.46	21.42	-0.34	34.58	6.00
86	0.86	1.10	10.56	-4.70	0.96	1.10	0.96	4.00	2.72	15.74	14.07	0.00	14.07	77.12	0.97	0.00	5.00	0.79	2.00	2.46	21.42	-0.33	34.58	6.00
87	0.87	1.10	10.56	-4.79	0.96	1.10	0.96	4.00	2.72	15.74	14.22	0.00	14.22	76.26	0.97	0.00	5.00	0.79	2.00	2.46	21.41	-0.34	34.58	6.00
88	0.88	1.08	8.23	-0.86	0.76	1.08	0.76	4.00	2.68	15.44	14.38	0.00	14.38	74.10	0.77	0.00	5.00	0.78	2.00	2.42	21.03	-0.06	35.98	6.00
89	0.89	1.16	8.58	-0.77	0.74	1.16	0.74	4.00	2.65	15.52	14.53	0.00	14.53	78.80	0.75	0.00	5.00	0.76	2.00	2.38	22.61	-0.05	37.51	6.00
90	0.90	1.20	8.89	-0.67	0.74	1.20	0.74	4.00	2.63	15.57	14.69	0.00	14.69	80.68	0.75	0.00	5.00	0.76	2.00	2.37	23.39	-0.05	38.14	6.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
91	0.91	1.23	10.09	-0.77	0.82	1.23	0.82	4.00	2.64	15.73	14.85	0.00	14.85	81.83	0.83	0.00	5.00	0.76	2.00	2.38	23.98	-0.05	37.79	6.00
92	0.92	1.23	11.60	-0.67	0.94	1.23	0.94	4.00	2.67	15.89	15.01	0.00	15.01	80.96	0.95	0.00	5.00	0.78	2.00	2.41	23.98	-0.04	36.58	6.00
93	0.93	1.20	13.05	-0.77	1.09	1.20	1.09	4.00	2.71	16.01	15.17	0.00	15.17	78.11	1.10	0.00	5.00	0.79	2.00	2.45	23.38	-0.05	34.86	6.00
94	0.94	1.01	17.25	-1.25	1.71	1.01	1.71	4.00	2.87	16.27	15.33	0.00	15.33	64.87	1.73	0.00	4.00	0.86	2.00	2.62	19.63	-0.08	28.48	4.00
95	0.95	0.94	18.60	-1.34	1.98	0.94	1.98	3.00	2.93	16.33	15.49	0.00	15.49	59.66	2.01	0.00	4.00	0.88	2.00	2.68	18.24	-0.09	26.47	4.00
96	0.96	0.91	20.81	-1.44	2.28	0.91	2.29	3.00	2.97	16.44	15.66	0.00	15.66	57.10	2.33	0.00	4.00	0.90	2.00	2.73	17.65	-0.09	24.89	4.00
97	0.97	0.92	21.16	-1.44	2.30	0.92	2.30	3.00	2.97	16.47	15.82	0.00	15.82	57.13	2.34	0.00	4.00	0.90	2.00	2.73	17.84	-0.09	24.91	4.00
98	0.98	0.91	23.99	-1.34	2.64	0.91	2.64	3.00	3.00	16.61	15.99	0.00	15.99	55.90	2.68	0.00	4.00	0.91	2.00	2.77	17.64	-0.08	23.55	5.00
99	0.99	0.90	24.69	-1.34	2.74	0.90	2.74	3.00	3.02	16.64	16.15	0.00	16.15	54.70	2.79	0.00	4.00	0.92	2.00	2.78	17.44	-0.08	23.11	5.00
100	1.00	0.92	26.01	-1.34	2.83	0.92	2.83	3.00	3.02	16.70	16.32	0.00	16.32	55.35	2.88	0.00	4.00	0.92	2.00	2.78	17.83	-0.08	22.94	5.00
101	1.01	0.94	26.23	-1.25	2.79	0.94	2.79	3.00	3.01	16.72	16.49	0.00	16.49	56.00	2.84	0.00	4.00	0.91	2.00	2.77	18.22	-0.08	23.18	5.00
102	1.02	0.93	26.49	-1.34	2.85	0.93	2.85	3.00	3.02	16.73	16.66	0.00	16.66	54.82	2.90	0.00	4.00	0.92	2.00	2.78	18.02	-0.08	22.92	5.00
103	1.03	0.93	26.61	-1.34	2.85	0.93	2.86	3.00	3.02	16.73	16.82	0.00	16.82	54.27	2.91	0.00	4.00	0.92	2.00	2.78	18.02	-0.08	22.87	5.00
104	1.04	0.93	26.42	-1.34	2.84	0.93	2.84	3.00	3.01	16.73	16.99	0.00	16.99	53.72	2.89	0.00	4.00	0.92	2.00	2.78	18.02	-0.08	22.94	5.00
105	1.05	0.89	25.70	-1.44	2.88	0.89	2.89	3.00	3.03	16.68	17.16	0.00	17.16	50.86	2.95	0.00	4.00	0.93	2.00	2.80	17.22	-0.08	22.55	5.00
106	1.06	0.87	24.88	-1.53	2.86	0.87	2.86	3.00	3.04	16.63	17.32	0.00	17.32	49.20	2.92	0.00	4.00	0.93	2.00	2.81	16.82	-0.09	22.52	5.00
107	1.07	0.80	22.51	-1.73	2.81	0.80	2.82	3.00	3.07	16.48	17.49	0.00	17.49	44.73	2.88	0.00	4.00	0.94	2.00	2.83	15.44	-0.10	22.23	4.00
108	1.08	0.76	21.25	-1.82	2.78	0.76	2.80	3.00	3.08	16.40	17.65	0.00	17.65	42.03	2.86	0.00	4.00	0.94	2.00	2.85	14.65	-0.10	22.02	2.00
109	1.09	0.74	19.71	-1.92	2.67	0.74	2.66	3.00	3.08	16.30	17.81	0.00	17.81	40.52	2.73	0.00	4.00	0.94	2.00	2.85	14.25	-0.11	22.26	4.00
110	1.10	0.68	17.50	-2.01	2.58	0.68	2.58	3.00	3.11	16.13	17.98	0.00	17.98	36.80	2.65	0.00	3.00	0.95	2.00	2.87	13.06	-0.11	22.06	4.00
111	1.11	0.66	16.46	-2.20	2.51	0.66	2.50	3.00	3.11	16.05	18.14	0.00	18.14	35.36	2.57	0.00	3.00	0.95	2.00	2.87	12.66	-0.12	22.11	4.00
112	1.12	0.61	13.37	-2.30	2.20	0.61	2.19	3.00	3.11	15.78	18.29	0.00	18.29	32.32	2.26	0.00	4.00	0.95	2.00	2.87	11.67	-0.13	22.48	4.00
113	1.13	0.59	11.60	-2.40	1.98	0.59	1.97	3.00	3.10	15.60	18.45	0.00	18.45	30.95	2.03	0.00	4.00	0.95	2.00	2.86	11.27	-0.13	22.90	4.00
114	1.14	0.56	10.06	-2.49	1.81	0.56	1.80	3.00	3.10	15.42	18.60	0.00	18.60	29.07	1.86	0.00	4.00	0.95	2.00	2.86	10.68	-0.13	23.01	4.00
115	1.15	0.50	8.23	-2.78	1.64	0.50	1.65	3.00	3.13	15.15	18.76	0.00	18.76	25.63	1.71	-0.01	4.00	0.96	2.00	2.89	9.49	-0.15	22.60	1.00
116	1.16	0.47	7.19	-2.88	1.53	0.47	1.53	3.00	3.14	14.97	18.91	0.00	18.91	23.83	1.60	-0.01	4.00	0.96	2.00	2.89	8.89	-0.15	22.44	1.00
117	1.17	0.45	6.27	-2.97	1.40	0.45	1.40	3.00	3.14	14.79	19.05	0.00	19.05	22.58	1.46	-0.01	4.00	0.96	2.00	2.89	8.49	-0.16	22.45	1.00
118	1.18	0.40	4.73	-3.35	1.18	0.40	1.18	3.00	3.15	14.42	19.20	0.00	19.20	19.80	1.24	-0.01	4.00	0.97	2.00	2.91	7.50	-0.17	22.06	1.00
119	1.19	0.38	4.07	-3.35	1.07	0.38	1.07	3.00	3.16	14.23	19.34	0.00	19.34	18.61	1.13	-0.01	4.00	0.97	2.00	2.91	7.10	-0.17	21.92	1.00
120	1.20	0.36	2.90	-3.55	0.81	0.36	0.81	1.00	3.13	13.82	19.48	0.00	19.48	17.44	0.85	-0.01	4.00	0.96	2.00	2.88	6.71	-0.18	22.06	1.00
121	1.21	0.35	2.30	-3.55	0.65	0.35	0.66	1.00	3.11	13.73	19.62	0.00	19.62	16.80	0.70	-0.01	4.00	0.95	2.00	2.86	6.51	-0.18	22.14	1.00
122	1.22	0.35	1.83	-3.55	0.52	0.35	0.52	1.00	3.08	13.73	19.75	0.00	19.75	16.68	0.56	-0.01	4.00	0.94	2.00	2.83	6.50	-0.18	22.42	1.00
123	1.23	0.38	1.04	-3.45	0.27	0.38	0.27	1.00	2.97	13.73	19.89	0.00	19.89	18.07	0.29	-0.01	1.00	0.89	2.00	2.71	7.09	-0.17	23.72	1.00
124	1.24	0.40	0.76	-3.35	0.19	0.40	0.19	1.00	2.92	13.73	20.03	0.00	20.03	18.94	0.20	-0.01	1.00	0.87	2.00	2.65	7.49	-0.17	24.46	1.00
125	1.25	0.41	0.41	-3.45	0.10	0.41	0.10	1.00	2.87	13.73	20.17	0.00	20.17	19.30	0.11	-0.01	1.00	0.85	2.00	2.60	7.68	-0.17	24.97	1.00
126	1.26	0.41	0.41	-3.45	0.10	0.41	0.10	1.00	2.87	13.73	20.30	0.00	20.30	19.16	0.11	-0.01	1.00	0.85	2.00	2.60	7.68	-0.17	24.97	1.00
127	1.27	0.40	0.73	-3.55	0.18	0.40	0.18	1.00	2.91	13.73	20.44	0.00	20.44	18.53	0.19	-0.01	1.00	0.87	2.00	2.64	7.48	-0.17	24.46	1.00
128	1.28	0.40	0.79	-3.55	0.20	0.40	0.20	1.00	2.92	13.73	20.58	0.00	20.58	18.40	0.21	-0.01	1.00	0.87	2.00	2.65	7.47	-0.17	24.42	1.00
129	1.29	0.43	1.01	-3.45	0.24	0.43	0.24	1.00	2.90	13.73	20.71	0.00	20.71	19.72	0.25	-0.01	1.00	0.86	2.00	2.64	8.06	-0.17	25.09	1.00
130	1.30	0.45	1.10	-3.35	0.24	0.45	0.24	1.00	2.89	13.73	20.85	0.00	20.85	20.55	0.26	-0.01	1.00	0.86	2.00	2.62	8.46	-0.16	25.57	1.00
131	1.31	0.54	1.17	-3.07	0.21	0.54	0.22	1.00	2.80	13.73	20.99	0.00	20.99	24.70	0.23	-0.01	5.00	0.82	2.00	2.53	10.23	-0.15	27.98	4.00
132	1.32	0.61	1.26	-2.78	0.21	0.61	0.21	1.00	2.74	13.73	21.13	0.00	21.13	27.85	0.21	0.00	5.00	0.80	2.00	2.47	11.61	-0.13	29.81	4.00
133	1.33	0.70	1.39	-2.49	0.20	0.70	0.20	1.00	2.68	13.73	21.26	0.00	21.26	31.89	0.20	0.00	5.00	0.78	2.00	2.40	13.39	-0.12	32.15	6.00
134	1.34	0.79	1.61	-2.30	0.20	0.79	0.20	1.00	2.63	13.73	21.40	0.00	21.40	35.89	0.21	0.00	5.00	0.76	2.00	2.35	15.16	-0.11	34.38	6.00
135	1.35	0.98	2.11	-1.92	0.22	0.98	0.22	5.00	2.55	13.84	21.54	0.00	21.54	44.48	0.22	0.00	5.00	0.72	2.00	2.26	18.91	-0.09	38.98	6.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
136	1.36	1.01	2.71	-1.92	0.27	1.01	0.27	5.00	2.56	14.14	21.68	0.00	21.68	45.57	0.27	0.00	5.00	0.73	2.00	2.28	19.50	-0.09	39.15	6.00
137	1.37	0.90	4.41	-2.11	0.49	0.90	0.49	4.00	2.68	14.65	21.83	0.00	21.83	40.21	0.50	0.00	5.00	0.78	2.00	2.41	17.33	-0.10	34.72	6.00
138	1.38	0.87	5.45	-2.20	0.63	0.87	0.63	4.00	2.73	14.88	21.98	0.00	21.98	38.57	0.64	0.00	5.00	0.80	2.00	2.47	16.73	-0.10	33.10	6.00
139	1.39	0.87	6.65	-2.20	0.76	0.87	0.76	4.00	2.77	15.11	22.13	0.00	22.13	38.30	0.78	0.00	5.00	0.82	2.00	2.51	16.73	-0.10	32.15	4.00
140	1.40	0.84	8.04	-2.30	0.96	0.84	0.96	4.00	2.82	15.32	22.28	0.00	22.28	36.68	0.98	0.00	5.00	0.84	2.00	2.57	16.13	-0.10	30.43	4.00
141	1.41	0.82	8.54	-2.30	1.04	0.82	1.04	4.00	2.85	15.38	22.43	0.00	22.43	35.53	1.07	0.00	4.00	0.85	2.00	2.59	15.73	-0.10	29.63	4.00
142	1.42	0.82	9.30	-2.40	1.14	0.82	1.13	4.00	2.86	15.48	22.59	0.00	22.59	35.28	1.17	0.00	4.00	0.86	2.00	2.61	15.73	-0.11	29.12	4.00
143	1.43	0.81	9.52	-2.40	1.18	0.81	1.18	4.00	2.87	15.50	22.74	0.00	22.74	34.59	1.21	0.00	4.00	0.86	2.00	2.62	15.53	-0.11	28.75	4.00
144	1.44	0.79	9.52	-2.49	1.20	0.79	1.21	4.00	2.89	15.49	22.90	0.00	22.90	33.48	1.24	0.00	4.00	0.87	2.00	2.64	15.13	-0.11	28.30	4.00
145	1.45	0.74	9.68	-2.68	1.31	0.74	1.31	4.00	2.93	15.48	23.05	0.00	23.05	31.07	1.35	0.00	4.00	0.88	2.00	2.68	14.14	-0.12	27.09	4.00
146	1.46	0.72	9.68	-2.68	1.34	0.72	1.35	4.00	2.95	15.47	23.21	0.00	23.21	30.00	1.39	0.00	4.00	0.89	2.00	2.70	13.74	-0.12	26.64	4.00
147	1.47	0.71	10.03	-2.78	1.41	0.71	1.41	3.00	2.96	15.51	23.36	0.00	23.36	29.36	1.46	0.00	4.00	0.90	2.00	2.72	13.54	-0.12	26.22	4.00
148	1.48	0.71	10.18	-2.78	1.43	0.71	1.43	3.00	2.96	15.53	23.52	0.00	23.52	29.16	1.48	0.00	4.00	0.90	2.00	2.72	13.54	-0.12	26.13	4.00
149	1.49	0.71	10.03	-2.78	1.41	0.71	1.41	3.00	2.96	15.51	23.67	0.00	23.67	28.97	1.46	0.00	4.00	0.90	2.00	2.72	13.54	-0.12	26.21	4.00
150	1.50	0.71	9.74	-2.78	1.37	0.71	1.37	3.00	2.96	15.47	23.83	0.00	23.83	28.77	1.42	0.00	4.00	0.89	2.00	2.71	13.53	-0.12	26.37	4.00
151	1.51	0.72	8.86	-2.78	1.24	0.72	1.23	4.00	2.93	15.37	23.98	0.00	23.98	29.00	1.27	0.00	4.00	0.88	2.00	2.68	13.73	-0.12	27.12	4.00
152	1.52	0.71	7.69	-2.88	1.08	0.71	1.08	4.00	2.91	15.20	24.13	0.00	24.13	28.39	1.12	0.00	4.00	0.88	2.00	2.66	13.53	-0.12	27.62	4.00
153	1.53	0.72	5.99	-2.88	0.84	0.72	0.83	4.00	2.86	14.92	24.28	0.00	24.28	28.62	0.86	0.00	4.00	0.85	2.00	2.60	13.72	-0.12	28.99	4.00
154	1.54	0.72	5.42	-2.88	0.76	0.72	0.75	4.00	2.84	14.81	24.43	0.00	24.43	28.44	0.78	0.00	5.00	0.85	2.00	2.58	13.72	-0.12	29.39	4.00
155	1.55	0.73	5.08	-2.88	0.70	0.73	0.70	4.00	2.82	14.74	24.58	0.00	24.58	28.68	0.72	0.00	5.00	0.84	2.00	2.56	13.91	-0.12	29.88	4.00
156	1.56	0.73	4.57	-2.88	0.62	0.73	0.63	4.00	2.80	14.61	24.73	0.00	24.73	28.50	0.65	0.00	5.00	0.83	2.00	2.55	13.91	-0.12	30.26	4.00
157	1.57	0.73	4.60	-2.97	0.63	0.73	0.63	4.00	2.80	14.62	24.87	0.00	24.87	28.33	0.65	0.00	5.00	0.83	2.00	2.55	13.91	-0.12	30.23	4.00
158	1.58	0.73	4.38	-2.97	0.60	0.73	0.60	4.00	2.80	14.57	25.02	0.00	25.02	28.15	0.62	0.00	5.00	0.83	2.00	2.54	13.90	-0.12	30.39	4.00
159	1.59	0.73	4.38	-2.97	0.60	0.73	0.60	4.00	2.80	14.57	25.16	0.00	25.16	27.99	0.62	0.00	5.00	0.83	2.00	2.54	13.90	-0.12	30.39	4.00
160	1.60	0.73	4.35	-2.97	0.60	0.73	0.60	4.00	2.80	14.56	25.31	0.00	25.31	27.82	0.62	0.00	5.00	0.83	2.00	2.54	13.90	-0.12	30.41	4.00
161	1.61	0.75	4.10	-2.97	0.55	0.75	0.55	4.00	2.77	14.50	25.45	0.00	25.45	28.44	0.57	0.00	5.00	0.82	2.00	2.51	14.29	-0.12	31.10	4.00
162	1.62	0.76	4.00	-2.88	0.53	0.76	0.53	4.00	2.76	14.48	25.60	0.00	25.60	28.67	0.55	0.00	5.00	0.81	2.00	2.50	14.48	-0.11	31.43	4.00
163	1.63	0.77	4.07	-2.97	0.53	0.77	0.53	4.00	2.76	14.50	25.74	0.00	25.74	28.89	0.55	0.00	5.00	0.81	2.00	2.49	14.68	-0.12	31.63	4.00
164	1.64	0.80	4.48	-2.88	0.56	0.80	0.56	4.00	2.75	14.63	25.89	0.00	25.89	29.88	0.58	0.00	5.00	0.81	2.00	2.49	15.27	-0.11	32.05	6.00
165	1.65	0.81	4.48	-2.78	0.55	0.81	0.55	4.00	2.74	14.63	26.04	0.00	26.04	30.09	0.57	0.00	5.00	0.81	2.00	2.48	15.46	-0.11	32.30	6.00
166	1.66	0.83	4.67	-2.78	0.56	0.83	0.56	4.00	2.73	14.69	26.18	0.00	26.18	30.68	0.58	0.00	5.00	0.81	2.00	2.47	15.85	-0.11	32.64	6.00
167	1.67	0.85	4.73	-2.78	0.55	0.85	0.56	4.00	2.72	14.71	26.33	0.00	26.33	31.26	0.57	0.00	5.00	0.80	2.00	2.46	16.25	-0.11	33.08	6.00
168	1.68	0.91	5.11	-2.68	0.56	0.91	0.56	4.00	2.70	14.83	26.48	0.00	26.48	33.35	0.58	0.00	5.00	0.79	2.00	2.44	17.43	-0.10	34.25	6.00
169	1.69	0.97	5.17	-2.59	0.53	0.97	0.53	4.00	2.66	14.87	26.63	0.00	26.63	35.41	0.55	0.00	5.00	0.78	2.00	2.40	18.61	-0.10	35.67	6.00
170	1.70	1.03	5.23	-2.49	0.51	1.03	0.51	4.00	2.63	14.90	26.78	0.00	26.78	37.45	0.52	0.00	5.00	0.77	2.00	2.37	19.79	-0.09	37.09	6.00
171	1.71	1.18	5.61	-2.30	0.48	1.18	0.48	5.00	2.57	15.03	26.93	0.00	26.93	42.81	0.49	0.00	5.00	0.74	2.00	2.30	22.75	-0.09	40.40	6.00
172	1.72	1.27	5.71	-2.20	0.45	1.27	0.45	5.00	2.53	15.08	27.08	0.00	27.08	45.89	0.46	0.00	5.00	0.72	2.00	2.26	24.52	-0.08	42.48	6.00
173	1.73	1.39	6.50	-2.01	0.47	1.39	0.47	5.00	2.50	15.27	27.23	0.00	27.23	50.03	0.48	0.00	5.00	0.71	2.00	2.23	26.89	-0.07	44.54	6.00
174	1.74	1.42	6.87	-2.01	0.48	1.42	0.48	5.00	2.49	15.34	27.38	0.00	27.38	50.84	0.49	0.00	5.00	0.71	2.00	2.23	27.48	-0.07	44.85	6.00
175	1.75	1.46	7.25	-1.92	0.50	1.46	0.50	5.00	2.49	15.41	27.54	0.00	27.54	52.00	0.51	0.00	5.00	0.71	2.00	2.22	28.27	-0.07	45.39	6.00
176	1.76	1.58	8.32	-1.82	0.53	1.58	0.53	5.00	2.46	15.60	27.69	0.00	27.69	56.04	0.54	0.00	5.00	0.70	2.00	2.20	30.63	-0.07	47.02	6.00
177	1.77	1.63	8.77	-1.73	0.54	1.63	0.54	5.00	2.46	15.67	27.85	0.00	27.85	57.51	0.55	0.00	5.00	0.70	2.00	2.19	31.62	-0.06	47.67	6.00
178	1.78	1.74	9.93	-1.53	0.57	1.74	0.57	5.00	2.44	15.84	28.01	0.00	28.01	61.11	0.58	0.00	5.00	0.69	2.00	2.18	33.79	-0.05	48.87	6.00
179	1.79	1.81	10.28	-1.53	0.57	1.81	0.57	5.00	2.42	15.90	28.17	0.00	28.17	63.25	0.58	0.00	5.00	0.69	2.00	2.16	35.16	-0.05	50.02	6.00
180	1.80	1.87	10.50	-1.44	0.56	1.87	0.56	5.00	2.41	15.93	28.33	0.00	28.33	65.00	0.57	0.00	5.00	0.68	2.00	2.14	36.35	-0.05	51.08	6.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
181	1.81	1.95	11.35	-1.34	0.58	1.95	0.58	5.00	2.40	16.04	28.49	0.00	28.49	67.44	0.59	0.00	5.00	0.68	2.00	2.14	37.92	-0.05	51.86	6.00
182	1.82	2.00	12.30	-1.34	0.62	2.00	0.62	5.00	2.40	16.14	28.65	0.00	28.65	68.80	0.62	0.00	5.00	0.68	2.00	2.14	38.91	-0.05	51.87	6.00
183	1.83	2.06	13.37	-1.34	0.65	2.06	0.65	5.00	2.40	16.25	28.81	0.00	28.81	70.49	0.66	0.00	5.00	0.68	2.00	2.14	40.09	-0.05	51.96	6.00
184	1.84	2.06	13.97	-1.15	0.68	2.06	0.68	5.00	2.40	16.30	28.97	0.00	28.97	70.09	0.69	0.00	5.00	0.68	2.00	2.15	40.08	-0.04	51.33	6.00
185	1.85	2.05	15.89	-1.15	0.78	2.05	0.78	5.00	2.43	16.44	29.14	0.00	29.14	69.35	0.79	0.00	5.00	0.69	2.00	2.18	39.88	-0.04	49.21	6.00
186	1.86	2.01	17.91	-1.15	0.89	2.01	0.89	5.00	2.47	16.57	29.30	0.00	29.30	67.58	0.90	0.00	5.00	0.71	2.00	2.22	39.09	-0.04	46.60	6.00
187	1.87	1.98	18.85	-1.25	0.95	1.98	0.95	5.00	2.49	16.63	29.47	0.00	29.47	66.18	0.97	0.00	5.00	0.72	2.00	2.24	38.50	-0.04	45.24	7.00
188	1.88	1.90	20.43	-1.25	1.07	1.90	1.08	5.00	2.53	16.70	29.64	0.00	29.64	63.10	1.09	0.00	5.00	0.73	2.00	2.28	36.91	-0.04	42.52	7.00
189	1.89	1.86	21.31	-1.34	1.14	1.86	1.15	5.00	2.55	16.74	29.80	0.00	29.80	61.40	1.16	0.00	5.00	0.74	2.00	2.30	36.12	-0.04	41.16	7.00
190	1.90	1.77	22.48	-1.34	1.27	1.77	1.27	4.00	2.59	16.79	29.97	0.00	29.97	58.04	1.29	0.00	5.00	0.76	2.00	2.35	34.34	-0.04	38.77	7.00
191	1.91	1.73	22.76	-1.44	1.32	1.73	1.32	4.00	2.61	16.79	30.14	0.00	30.14	56.39	1.34	0.00	5.00	0.77	2.00	2.37	33.55	-0.05	37.89	7.00
192	1.92	1.73	22.76	-1.44	1.32	1.73	1.32	4.00	2.61	16.79	30.31	0.00	30.31	56.07	1.34	0.00	5.00	0.77	2.00	2.37	33.54	-0.05	37.89	7.00
193	1.93	1.73	22.76	-1.44	1.32	1.73	1.32	4.00	2.61	16.79	30.48	0.00	30.48	55.75	1.34	0.00	5.00	0.77	2.00	2.37	33.54	-0.05	37.89	7.00
194	1.94	1.52	19.80	-3.16	1.31	1.52	1.30	4.00	2.65	16.58	30.64	0.00	30.64	48.58	1.33	0.00	5.00	0.78	2.00	2.41	29.38	-0.10	36.11	6.00
195	1.95	1.51	20.08	-3.16	1.33	1.51	1.33	4.00	2.66	16.60	30.81	0.00	30.81	47.99	1.36	0.00	5.00	0.79	2.00	2.42	29.18	-0.10	35.74	6.00
196	1.96	1.50	20.72	-3.07	1.38	1.50	1.38	4.00	2.67	16.63	30.97	0.00	30.97	47.41	1.41	0.00	5.00	0.79	2.00	2.43	28.98	-0.10	35.15	7.00
197	1.97	1.50	21.00	-3.16	1.40	1.50	1.40	4.00	2.68	16.65	31.14	0.00	31.14	47.15	1.43	0.00	5.00	0.79	2.00	2.43	28.98	-0.10	34.98	7.00
198	1.98	1.52	20.53	-3.07	1.35	1.52	1.35	4.00	2.66	16.62	31.31	0.00	31.31	47.53	1.38	0.00	5.00	0.79	2.00	2.42	29.37	-0.10	35.62	7.00
199	1.99	1.53	20.18	-3.07	1.32	1.53	1.32	4.00	2.65	16.61	31.47	0.00	31.47	47.59	1.35	0.00	5.00	0.78	2.00	2.41	29.57	-0.10	36.02	7.00
200	2.00	1.60	19.17	-2.97	1.20	1.60	1.20	4.00	2.62	16.57	31.64	0.00	31.64	49.55	1.22	0.00	5.00	0.77	2.00	2.37	30.94	-0.09	37.97	6.00
201	2.01	1.67	18.70	-2.88	1.12	1.67	1.12	4.00	2.59	16.55	31.80	0.00	31.80	51.49	1.14	0.00	5.00	0.76	2.00	2.34	32.32	-0.09	39.59	6.00
202	2.02	1.92	17.63	-2.68	0.92	1.92	0.92	5.00	2.49	16.54	31.97	0.00	31.97	59.04	0.93	0.00	5.00	0.72	2.00	2.24	37.26	-0.08	45.09	6.00
203	2.03	2.01	17.50	-2.59	0.87	2.01	0.87	5.00	2.46	16.55	32.14	0.00	32.14	61.53	0.89	0.00	5.00	0.71	2.00	2.21	39.03	-0.08	46.90	6.00
204	2.04	2.09	17.59	-2.49	0.84	2.09	0.84	5.00	2.44	16.57	32.30	0.00	32.30	63.69	0.86	0.00	5.00	0.70	2.00	2.19	40.61	-0.08	48.32	6.00
205	2.05	2.25	18.22	-2.30	0.81	2.25	0.81	5.00	2.40	16.64	32.47	0.00	32.47	68.29	0.82	0.00	5.00	0.69	2.00	2.15	43.76	-0.07	50.74	7.00
206	2.06	2.31	18.82	-2.30	0.82	2.31	0.81	5.00	2.40	16.68	32.63	0.00	32.63	69.77	0.83	0.00	5.00	0.68	2.00	2.14	44.94	-0.07	51.28	7.00
207	2.07	2.39	19.80	-2.20	0.83	2.39	0.83	5.00	2.39	16.76	32.80	0.00	32.80	71.85	0.84	0.00	5.00	0.68	2.00	2.13	46.52	-0.07	51.81	7.00
208	2.08	2.40	20.62	-2.20	0.86	2.40	0.86	5.00	2.39	16.80	32.97	0.00	32.97	71.78	0.87	0.00	5.00	0.68	2.00	2.14	46.71	-0.07	51.23	7.00
209	2.09	2.37	22.07	-2.11	0.93	2.37	0.93	5.00	2.41	16.88	33.14	0.00	33.14	70.50	0.94	0.00	5.00	0.69	2.00	2.17	46.12	-0.06	49.42	7.00
210	2.10	2.33	22.70	-2.20	0.97	2.33	0.97	5.00	2.43	16.90	33.31	0.00	33.31	68.94	0.99	0.00	5.00	0.70	2.00	2.18	45.32	-0.07	48.19	7.00
211	2.11	2.26	24.31	-2.20	1.07	2.26	1.08	5.00	2.46	16.97	33.48	0.00	33.48	66.49	1.09	0.00	5.00	0.71	2.00	2.22	43.94	-0.07	45.72	7.00
212	2.12	2.25	25.35	-2.20	1.12	2.25	1.13	5.00	2.48	17.02	33.65	0.00	33.65	65.86	1.14	0.00	5.00	0.72	2.00	2.23	43.74	-0.07	44.77	7.00
213	2.13	2.27	26.45	-2.11	1.17	2.27	1.17	5.00	2.48	17.07	33.82	0.00	33.82	66.11	1.18	0.00	5.00	0.72	2.00	2.24	44.13	-0.06	44.29	7.00
214	2.14	2.30	27.05	-2.11	1.18	2.30	1.18	5.00	2.48	17.10	33.99	0.00	33.99	66.66	1.19	0.00	5.00	0.72	2.00	2.23	44.72	-0.06	44.35	7.00
215	2.15	2.36	28.28	-2.01	1.20	2.36	1.20	5.00	2.47	17.16	34.16	0.00	34.16	68.07	1.22	0.00	5.00	0.72	2.00	2.23	45.90	-0.06	44.43	7.00
216	2.16	2.38	29.20	-2.01	1.23	2.38	1.23	5.00	2.47	17.20	34.33	0.00	34.33	68.31	1.25	0.00	5.00	0.72	2.00	2.23	46.29	-0.06	44.10	7.00
217	2.17	2.40	29.92	-2.01	1.25	2.40	1.25	5.00	2.47	17.23	34.51	0.00	34.51	68.54	1.27	0.00	5.00	0.72	2.00	2.23	46.68	-0.06	43.92	7.00
218	2.18	2.40	30.24	-2.01	1.26	2.40	1.26	5.00	2.48	17.25	34.68	0.00	34.68	68.20	1.28	0.00	5.00	0.72	2.00	2.24	46.68	-0.06	43.70	7.00
219	2.19	2.34	30.27	-2.01	1.29	2.34	1.29	5.00	2.49	17.24	34.85	0.00	34.85	66.13	1.31	0.00	5.00	0.73	2.00	2.25	45.49	-0.06	42.77	7.00
220	2.20	2.32	30.39	-2.01	1.31	2.32	1.31	5.00	2.50	17.24	35.02	0.00	35.02	65.23	1.33	0.00	5.00	0.73	2.00	2.26	45.09	-0.06	42.38	7.00
221	2.21	2.29	30.36	-2.11	1.33	2.29	1.33	5.00	2.51	17.23	35.19	0.00	35.19	64.05	1.35	0.00	5.00	0.73	2.00	2.27	44.50	-0.06	41.95	7.00
222	2.22	2.23	30.02	-2.11	1.34	2.23	1.35	5.00	2.52	17.21	35.37	0.00	35.37	62.04	1.37	0.00	5.00	0.74	2.00	2.28	43.31	-0.06	41.24	7.00
223	2.23	2.19	29.83	-2.11	1.36	2.19	1.36	5.00	2.53	17.19	35.54	0.00	35.54	60.61	1.38	0.00	5.00	0.74	2.00	2.29	42.52	-0.06	40.75	7.00
224	2.24	2.11	29.54	-2.11	1.40	2.11	1.40	4.00	2.55	17.17	35.71	0.00	35.71	58.07	1.42	0.00	5.00	0.75	2.00	2.31	40.93	-0.06	39.70	7.00
225	2.25	2.09	29.23	-2.20	1.40	2.09	1.40	4.00	2.55	17.15	35.88	0.00	35.88	57.23	1.42	0.00	5.00	0.75	2.00	2.31	40.54	-0.06	39.58	7.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
226	2.26	2.08	29.04	-2.11	1.40	2.08	1.40	4.00	2.55	17.14	36.05	0.00	36.05	56.68	1.42	0.00	5.00	0.75	2.00	2.32	40.34	-0.06	39.53	7.00
227	2.27	2.05	28.66	-2.11	1.40	2.05	1.40	4.00	2.56	17.12	36.22	0.00	36.22	55.58	1.42	0.00	5.00	0.75	2.00	2.32	39.74	-0.06	39.30	7.00
228	2.28	2.04	28.60	-2.20	1.40	2.04	1.40	4.00	2.56	17.12	36.40	0.00	36.40	55.04	1.43	0.00	5.00	0.75	2.00	2.32	39.54	-0.06	39.18	7.00
229	2.29	2.04	28.38	-2.20	1.39	2.04	1.39	4.00	2.56	17.11	36.57	0.00	36.57	54.78	1.42	0.00	5.00	0.75	2.00	2.32	39.54	-0.06	39.31	7.00
230	2.30	2.03	28.35	-2.11	1.39	2.03	1.40	4.00	2.56	17.11	36.74	0.00	36.74	54.24	1.42	0.00	5.00	0.75	2.00	2.32	39.34	-0.06	39.17	7.00
231	2.31	2.01	27.68	-2.20	1.37	2.01	1.38	4.00	2.56	17.08	36.91	0.00	36.91	53.45	1.40	0.00	5.00	0.75	2.00	2.32	38.94	-0.06	39.26	7.00
232	2.32	2.00	27.34	-2.20	1.36	2.00	1.37	4.00	2.56	17.06	37.08	0.00	37.08	52.93	1.39	0.00	5.00	0.75	2.00	2.32	38.74	-0.06	39.31	7.00
233	2.33	2.00	26.55	-2.20	1.33	2.00	1.33	4.00	2.56	17.03	37.25	0.00	37.25	52.68	1.35	0.00	5.00	0.75	2.00	2.32	38.73	-0.06	39.81	7.00
234	2.34	2.01	26.39	-2.20	1.31	2.01	1.31	4.00	2.55	17.02	37.42	0.00	37.42	52.70	1.34	0.00	5.00	0.75	2.00	2.31	38.93	-0.06	40.07	7.00
235	2.35	2.03	25.70	-2.20	1.27	2.03	1.27	5.00	2.54	16.99	37.59	0.00	37.59	52.99	1.29	0.00	5.00	0.74	2.00	2.30	39.32	-0.06	40.85	7.00
236	2.36	2.04	25.32	-2.20	1.24	2.04	1.24	5.00	2.53	16.98	37.76	0.00	37.76	53.01	1.26	0.00	5.00	0.74	2.00	2.29	39.51	-0.06	41.27	7.00
237	2.37	2.03	24.44	-2.20	1.20	2.03	1.20	5.00	2.53	16.94	37.93	0.00	37.93	52.51	1.23	0.00	5.00	0.74	2.00	2.29	39.31	-0.06	41.70	7.00
238	2.38	2.02	24.47	-2.11	1.21	2.02	1.21	5.00	2.53	16.94	38.10	0.00	38.10	52.01	1.23	0.00	5.00	0.74	2.00	2.29	39.11	-0.06	41.51	7.00
239	2.39	1.95	24.53	-2.20	1.25	1.95	1.26	4.00	2.55	16.92	38.27	0.00	38.27	49.94	1.28	0.00	5.00	0.75	2.00	2.31	37.73	-0.06	40.30	7.00
240	2.40	1.93	24.56	-2.20	1.27	1.93	1.27	4.00	2.56	16.92	38.44	0.00	38.44	49.20	1.30	0.00	5.00	0.75	2.00	2.32	37.33	-0.06	39.95	7.00
241	2.41	1.92	24.47	-2.20	1.28	1.92	1.27	4.00	2.56	16.92	38.61	0.00	38.61	48.72	1.30	0.00	5.00	0.75	2.00	2.32	37.13	-0.06	39.84	7.00
242	2.42	1.91	24.12	-2.20	1.26	1.91	1.26	4.00	2.56	16.90	38.77	0.00	38.77	48.25	1.29	0.00	5.00	0.75	2.00	2.32	36.93	-0.06	39.90	7.00
243	2.43	1.92	23.99	-2.20	1.25	1.92	1.25	4.00	2.56	16.89	38.94	0.00	38.94	48.29	1.28	0.00	5.00	0.75	2.00	2.32	37.12	-0.06	40.15	7.00
244	2.44	1.95	24.44	-2.20	1.25	1.95	1.25	4.00	2.55	16.92	39.11	0.00	39.11	48.84	1.28	0.00	5.00	0.75	2.00	2.31	37.71	-0.06	40.35	7.00
245	2.45	1.98	24.59	-2.20	1.24	1.98	1.24	5.00	2.54	16.93	39.28	0.00	39.28	49.39	1.27	0.00	5.00	0.75	2.00	2.30	38.30	-0.06	40.74	7.00
246	2.46	2.01	24.91	-2.20	1.24	2.01	1.24	5.00	2.54	16.95	39.45	0.00	39.45	49.94	1.26	0.00	5.00	0.75	2.00	2.30	38.89	-0.06	41.02	7.00
247	2.47	2.05	25.22	-2.11	1.23	2.05	1.23	5.00	2.53	16.98	39.62	0.00	39.62	50.73	1.25	0.00	5.00	0.74	2.00	2.29	39.67	-0.05	41.47	7.00
248	2.48	2.12	25.38	-2.11	1.20	2.12	1.20	5.00	2.51	17.00	39.79	0.00	39.79	52.27	1.22	0.00	5.00	0.74	1.99	2.27	40.82	-0.05	42.41	7.00
249	2.49	2.15	25.73	-2.11	1.20	2.15	1.20	5.00	2.51	17.02	39.96	0.00	39.96	52.79	1.22	0.00	5.00	0.73	1.98	2.27	41.23	-0.05	42.59	7.00
250	2.50	2.18	25.29	-2.11	1.16	2.18	1.16	5.00	2.49	17.00	40.13	0.00	40.13	53.31	1.18	0.00	5.00	0.73	1.97	2.26	41.53	-0.05	43.27	7.00
251	2.51	2.21	25.29	-2.01	1.14	2.21	1.14	5.00	2.49	17.01	40.30	0.00	40.30	53.83	1.17	0.00	5.00	0.73	1.96	2.25	41.89	-0.05	43.67	7.00
252	2.52	2.23	25.67	-2.01	1.15	2.23	1.15	5.00	2.48	17.03	40.47	0.00	40.47	54.09	1.17	0.00	5.00	0.73	1.95	2.25	42.14	-0.05	43.66	7.00
253	2.53	2.23	25.85	-2.01	1.16	2.23	1.16	5.00	2.49	17.04	40.64	0.00	40.64	53.86	1.18	0.00	5.00	0.73	1.95	2.25	42.05	-0.05	43.50	7.00
254	2.54	2.20	26.36	-2.01	1.20	2.20	1.20	5.00	2.50	17.05	40.81	0.00	40.81	52.89	1.22	0.00	5.00	0.73	1.95	2.27	41.53	-0.05	42.69	7.00
255	2.55	2.18	26.74	-2.01	1.23	2.18	1.23	5.00	2.51	17.07	40.98	0.00	40.98	52.18	1.25	0.00	5.00	0.74	1.95	2.28	41.15	-0.05	42.12	7.00
256	2.56	2.14	27.27	-2.11	1.27	2.14	1.27	5.00	2.52	17.08	41.15	0.00	41.15	50.99	1.30	0.00	5.00	0.74	1.95	2.29	40.47	-0.05	41.17	7.00
257	2.57	2.11	27.05	-2.11	1.28	2.11	1.28	5.00	2.53	17.07	41.33	0.00	41.33	50.05	1.31	0.00	5.00	0.75	1.95	2.30	39.87	-0.05	40.83	7.00
258	2.58	2.09	26.93	-2.11	1.29	2.09	1.29	5.00	2.53	17.06	41.50	0.00	41.50	49.36	1.31	0.00	5.00	0.75	1.95	2.30	39.43	-0.05	40.57	7.00
259	2.59	2.04	26.74	-2.11	1.31	2.04	1.31	4.00	2.55	17.04	41.67	0.00	41.67	47.95	1.34	0.00	5.00	0.75	1.95	2.32	38.51	-0.05	39.91	7.00
260	2.60	2.01	26.11	-2.11	1.30	2.01	1.30	4.00	2.55	17.01	41.84	0.00	41.84	47.03	1.33	0.00	5.00	0.75	1.95	2.32	37.87	-0.05	39.81	7.00
261	2.61	1.97	26.01	-2.20	1.32	1.97	1.32	4.00	2.56	17.00	42.01	0.00	42.01	45.89	1.35	0.00	5.00	0.76	1.95	2.33	37.12	-0.05	39.24	7.00
262	2.62	1.95	25.89	-2.20	1.32	1.95	1.33	4.00	2.57	16.99	42.18	0.00	42.18	45.22	1.36	0.00	5.00	0.76	1.95	2.34	36.70	-0.05	38.97	7.00
263	2.63	1.95	25.57	-2.20	1.31	1.95	1.31	4.00	2.56	16.97	42.35	0.00	42.35	45.04	1.34	0.00	5.00	0.76	1.94	2.33	36.56	-0.05	39.12	7.00
264	2.64	1.93	25.35	-2.20	1.31	1.93	1.31	4.00	2.57	16.96	42.52	0.00	42.52	44.38	1.34	0.00	5.00	0.76	1.94	2.34	36.13	-0.05	38.91	7.00
265	2.65	1.92	25.35	-2.20	1.32	1.92	1.32	4.00	2.57	16.96	42.69	0.00	42.69	43.97	1.35	0.00	5.00	0.76	1.94	2.34	35.87	-0.05	38.73	7.00
266	2.66	1.91	25.16	-2.20	1.32	1.91	1.32	4.00	2.57	16.95	42.85	0.00	42.85	43.56	1.35	0.00	5.00	0.77	1.93	2.35	35.60	-0.05	38.65	7.00
267	2.67	1.92	24.88	-2.20	1.29	1.92	1.30	4.00	2.57	16.94	43.02	0.00	43.02	43.62	1.33	0.00	5.00	0.76	1.92	2.34	35.63	-0.05	38.92	7.00
268	2.68	1.93	24.09	-2.20	1.25	1.93	1.25	4.00	2.56	16.90	43.19	0.00	43.19	43.67	1.28	0.00	5.00	0.76	1.91	2.33	35.61	-0.05	39.50	7.00
269	2.69	1.93	23.58	-2.20	1.22	1.93	1.22	4.00	2.55	16.88	43.36	0.00	43.36	43.50	1.25	0.00	5.00	0.76	1.91	2.33	35.46	-0.05	39.76	7.00
270	2.70	1.94	23.33	-2.20	1.20	1.94	1.20	5.00	2.55	16.87	43.53	0.00	43.53	43.56	1.23	0.00	5.00	0.76	1.90	2.32	35.50	-0.05	40.02	7.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
271	2.71	1.93	22.80	-2.20	1.18	1.93	1.18	5.00	2.54	16.84	43.70	0.00	43.70	43.16	1.21	0.00	5.00	0.76	1.89	2.32	35.20	-0.05	40.16	7.00
272	2.72	1.93	22.54	-2.20	1.17	1.93	1.17	5.00	2.54	16.82	43.87	0.00	43.87	42.99	1.20	0.00	5.00	0.76	1.88	2.32	35.08	-0.05	40.27	7.00
273	2.73	1.92	22.26	-2.20	1.16	1.92	1.16	5.00	2.54	16.81	44.04	0.00	44.04	42.59	1.19	0.00	5.00	0.76	1.88	2.32	34.80	-0.05	40.25	7.00
274	2.74	1.91	22.23	-2.20	1.17	1.91	1.16	5.00	2.54	16.80	44.20	0.00	44.20	42.20	1.19	0.00	5.00	0.76	1.88	2.33	34.56	-0.05	40.08	7.00
275	2.75	1.91	22.20	-2.20	1.16	1.91	1.16	5.00	2.54	16.80	44.37	0.00	44.37	42.04	1.19	0.00	5.00	0.76	1.87	2.33	34.43	-0.05	40.04	7.00
276	2.76	1.92	22.01	-2.20	1.15	1.92	1.15	5.00	2.54	16.79	44.54	0.00	44.54	42.10	1.17	0.00	5.00	0.76	1.86	2.32	34.48	-0.05	40.26	7.00
277	2.77	1.93	22.35	-2.20	1.16	1.93	1.16	5.00	2.54	16.81	44.71	0.00	44.71	42.16	1.19	0.00	5.00	0.76	1.86	2.32	34.58	-0.05	40.16	7.00
278	2.78	1.94	22.45	-2.20	1.15	1.94	1.16	5.00	2.54	16.82	44.88	0.00	44.88	42.22	1.18	0.00	5.00	0.76	1.85	2.32	34.65	-0.05	40.20	7.00
279	2.79	1.97	23.11	-2.20	1.18	1.97	1.17	5.00	2.53	16.86	45.04	0.00	45.04	42.72	1.20	0.00	5.00	0.76	1.85	2.32	35.08	-0.05	40.21	7.00
280	2.80	1.97	23.33	-2.20	1.19	1.97	1.18	5.00	2.54	16.87	45.21	0.00	45.21	42.56	1.21	0.00	5.00	0.76	1.84	2.33	35.02	-0.05	40.03	7.00
281	2.81	1.97	24.09	-2.20	1.23	1.97	1.22	5.00	2.54	16.91	45.38	0.00	45.38	42.40	1.25	0.00	5.00	0.76	1.84	2.33	35.00	-0.05	39.54	7.00
282	2.82	1.95	24.81	-2.20	1.27	1.95	1.27	4.00	2.56	16.94	45.55	0.00	45.55	41.80	1.30	0.00	5.00	0.77	1.85	2.35	34.68	-0.05	38.79	7.00
283	2.83	1.95	24.91	-2.20	1.27	1.95	1.28	4.00	2.56	16.94	45.72	0.00	45.72	41.64	1.31	0.00	5.00	0.77	1.84	2.35	34.60	-0.05	38.69	7.00
284	2.84	1.94	25.44	-2.20	1.31	1.94	1.31	4.00	2.56	16.96	45.89	0.00	45.89	41.26	1.34	0.00	5.00	0.77	1.84	2.36	34.41	-0.05	38.21	7.00
285	2.85	1.95	25.76	-2.20	1.32	1.95	1.32	4.00	2.56	16.98	46.06	0.00	46.06	41.33	1.35	0.00	5.00	0.77	1.84	2.36	34.50	-0.05	38.13	7.00
286	2.86	1.94	26.17	-2.20	1.35	1.94	1.35	4.00	2.57	17.00	46.23	0.00	46.23	40.95	1.38	0.00	5.00	0.77	1.84	2.37	34.29	-0.05	37.73	7.00
287	2.87	1.94	26.64	-2.20	1.37	1.94	1.37	4.00	2.58	17.02	46.40	0.00	46.40	40.80	1.41	0.00	5.00	0.78	1.83	2.37	34.25	-0.05	37.44	7.00
288	2.88	1.94	27.43	-2.20	1.41	1.94	1.41	4.00	2.58	17.05	46.57	0.00	46.57	40.65	1.45	0.00	5.00	0.78	1.83	2.38	34.23	-0.05	36.98	7.00
289	2.89	1.96	27.75	-2.20	1.42	1.96	1.42	4.00	2.58	17.07	46.74	0.00	46.74	40.92	1.45	0.00	5.00	0.78	1.83	2.38	34.47	-0.05	37.05	7.00
290	2.90	1.95	27.65	-2.20	1.41	1.95	1.42	4.00	2.58	17.06	46.91	0.00	46.91	40.56	1.45	0.00	5.00	0.78	1.82	2.38	34.22	-0.05	36.93	7.00
291	2.91	1.96	27.75	-2.20	1.42	1.96	1.42	4.00	2.58	17.07	47.08	0.00	47.08	40.62	1.45	0.00	5.00	0.78	1.82	2.38	34.29	-0.05	36.98	7.00
292	2.92	1.96	27.75	-2.20	1.42	1.96	1.42	4.00	2.58	17.07	47.25	0.00	47.25	40.47	1.45	0.00	5.00	0.78	1.81	2.38	34.20	-0.05	36.95	7.00
293	2.93	1.96	27.75	-2.20	1.42	1.96	1.42	4.00	2.58	17.07	47.42	0.00	47.42	40.32	1.45	0.00	5.00	0.78	1.81	2.38	34.11	-0.05	36.91	7.00
294	2.94	2.00	22.92	-3.07	1.15	2.00	1.15	5.00	2.52	16.86	47.59	0.00	47.59	41.01	1.17	0.00	5.00	0.76	1.78	2.33	34.20	-0.06	40.12	7.00
295	2.95	2.01	22.76	-3.07	1.13	2.01	1.13	5.00	2.52	16.85	47.76	0.00	47.76	41.07	1.16	0.00	5.00	0.76	1.77	2.32	34.25	-0.06	40.32	7.00
296	2.96	2.02	22.48	-3.07	1.11	2.02	1.11	5.00	2.51	16.84	47.93	0.00	47.93	41.13	1.14	0.00	5.00	0.76	1.76	2.32	34.28	-0.06	40.59	7.00
297	2.97	2.05	22.92	-3.07	1.12	2.05	1.12	5.00	2.51	16.87	48.10	0.00	48.10	41.61	1.15	0.00	5.00	0.76	1.76	2.32	34.68	-0.06	40.72	7.00
298	2.98	2.06	23.14	-3.07	1.12	2.06	1.12	5.00	2.51	16.88	48.27	0.00	48.27	41.67	1.15	0.00	5.00	0.76	1.75	2.32	34.76	-0.06	40.69	7.00
299	2.99	2.09	23.58	-2.97	1.13	2.09	1.13	5.00	2.50	16.91	48.44	0.00	48.44	42.14	1.16	0.00	5.00	0.75	1.75	2.31	35.16	-0.06	40.82	7.00
300	3.00	2.10	23.33	-3.07	1.11	2.10	1.11	5.00	2.50	16.90	48.60	0.00	48.60	42.19	1.14	0.00	5.00	0.75	1.74	2.31	35.20	-0.06	41.07	7.00
301	3.01	2.10	23.30	-3.07	1.11	2.10	1.11	5.00	2.50	16.89	48.77	0.00	48.77	42.04	1.14	0.00	5.00	0.75	1.73	2.31	35.11	-0.06	41.05	7.00
302	3.02	2.13	23.24	-3.07	1.09	2.13	1.09	5.00	2.49	16.90	48.94	0.00	48.94	42.51	1.12	0.00	5.00	0.75	1.73	2.30	35.45	-0.06	41.47	7.00
303	3.03	2.16	23.36	-2.97	1.08	2.16	1.08	5.00	2.48	16.91	49.11	0.00	49.11	42.97	1.11	0.00	5.00	0.75	1.72	2.30	35.81	-0.06	41.78	7.00
304	3.04	2.22	23.11	-2.97	1.04	2.22	1.04	5.00	2.46	16.91	49.28	0.00	49.28	44.04	1.06	0.00	5.00	0.74	1.71	2.28	36.57	-0.06	42.75	7.00
305	3.05	2.29	23.14	-2.88	1.01	2.29	1.01	5.00	2.44	16.92	49.45	0.00	49.45	45.30	1.03	0.00	5.00	0.74	1.70	2.26	37.49	-0.06	43.67	7.00
306	3.06	2.45	23.02	-2.78	0.94	2.45	0.94	5.00	2.40	16.94	49.62	0.00	49.62	48.36	0.96	0.00	5.00	0.72	1.67	2.22	39.65	-0.06	45.96	7.00
307	3.07	2.53	23.08	-2.68	0.91	2.53	0.91	5.00	2.39	16.95	49.79	0.00	49.79	49.80	0.93	0.00	5.00	0.72	1.66	2.21	40.69	-0.05	46.99	7.00
308	3.08	2.66	23.30	-2.59	0.88	2.66	0.88	5.00	2.36	16.98	49.96	0.00	49.96	52.23	0.89	0.00	5.00	0.71	1.65	2.18	42.43	-0.05	48.60	7.00
309	3.09	2.69	23.17	-2.59	0.86	2.69	0.86	5.00	2.35	16.98	50.13	0.00	50.13	52.65	0.88	0.00	5.00	0.70	1.64	2.18	42.74	-0.05	49.05	7.00
310	3.10	2.70	23.36	-2.59	0.86	2.70	0.87	5.00	2.35	16.99	50.30	0.00	50.30	52.67	0.88	0.00	5.00	0.70	1.64	2.18	42.80	-0.05	49.01	7.00
311	3.11	2.66	24.25	-2.59	0.91	2.66	0.91	5.00	2.37	17.03	50.47	0.00	50.47	51.69	0.93	0.00	5.00	0.71	1.64	2.19	42.25	-0.05	47.82	7.00
312	3.12	2.63	24.81	-2.59	0.94	2.63	0.94	5.00	2.38	17.05	50.64	0.00	50.64	50.92	0.96	0.00	5.00	0.72	1.64	2.21	41.80	-0.05	47.00	7.00
313	3.13	2.58	25.95	-2.59	1.01	2.58	1.01	5.00	2.40	17.10	50.81	0.00	50.81	49.77	1.03	0.00	5.00	0.72	1.65	2.23	41.12	-0.05	45.56	7.00
314	3.14	2.55	26.89	-2.59	1.05	2.55	1.05	5.00	2.41	17.13	50.98	0.00	50.98	49.01	1.08	0.00	5.00	0.73	1.65	2.24	40.69	-0.05	44.55	7.00
315	3.15	2.50	28.63	-2.59	1.15	2.50	1.15	5.00	2.44	17.20	51.15	0.00	51.15	47.86	1.17	0.00	5.00	0.74	1.66	2.27	40.05	-0.05	42.84	7.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
316	3.16	2.48	29.13	-2.59	1.18	2.48	1.17	5.00	2.45	17.21	51.33	0.00	51.33	47.31	1.20	0.00	5.00	0.74	1.66	2.28	39.72	-0.05	42.26	7.00
317	3.17	2.47	29.83	-2.59	1.21	2.47	1.21	5.00	2.46	17.24	51.50	0.00	51.50	46.95	1.23	0.00	5.00	0.75	1.66	2.29	39.54	-0.05	41.71	7.00
318	3.18	2.49	31.47	-2.49	1.26	2.49	1.26	5.00	2.46	17.31	51.67	0.00	51.67	47.18	1.29	0.00	5.00	0.75	1.66	2.29	39.86	-0.05	41.05	7.00
319	3.19	2.50	32.22	-2.49	1.29	2.50	1.29	5.00	2.47	17.33	51.84	0.00	51.84	47.21	1.32	0.00	5.00	0.75	1.65	2.30	39.96	-0.05	40.75	7.00
320	3.20	2.55	34.21	-2.49	1.34	2.55	1.34	5.00	2.47	17.41	52.02	0.00	52.02	48.01	1.37	0.00	5.00	0.75	1.65	2.30	40.71	-0.05	40.32	7.00
321	3.21	2.58	35.41	-2.49	1.37	2.58	1.37	5.00	2.47	17.45	52.19	0.00	52.19	48.42	1.40	0.00	5.00	0.75	1.65	2.30	41.12	-0.05	40.06	7.00
322	3.22	2.61	36.51	-2.49	1.40	2.61	1.40	5.00	2.47	17.49	52.37	0.00	52.37	48.83	1.43	0.00	5.00	0.75	1.65	2.31	41.52	-0.05	39.85	7.00
323	3.23	2.64	38.37	-2.40	1.45	2.64	1.45	5.00	2.48	17.56	52.54	0.00	52.54	49.23	1.48	0.00	5.00	0.76	1.64	2.31	41.97	-0.05	39.30	7.00
324	3.24	2.64	39.19	-2.40	1.48	2.64	1.48	5.00	2.48	17.58	52.72	0.00	52.72	49.07	1.52	0.00	5.00	0.76	1.64	2.32	41.92	-0.05	38.89	7.00
325	3.25	2.64	39.73	-2.40	1.51	2.64	1.51	5.00	2.48	17.60	52.90	0.00	52.90	48.90	1.54	0.00	5.00	0.76	1.64	2.32	41.86	-0.05	38.62	7.00
326	3.26	2.62	40.33	-2.40	1.54	2.62	1.54	5.00	2.49	17.61	53.07	0.00	53.07	48.36	1.57	0.00	5.00	0.76	1.64	2.33	41.52	-0.05	38.09	7.00
327	3.27	2.61	40.74	-2.40	1.56	2.61	1.56	5.00	2.50	17.62	53.25	0.00	53.25	48.01	1.59	0.00	5.00	0.77	1.64	2.34	41.31	-0.05	37.77	7.00
328	3.28	2.62	42.72	-2.30	1.63	2.62	1.63	5.00	2.51	17.68	53.42	0.00	53.42	48.03	1.66	0.00	5.00	0.77	1.64	2.35	41.47	-0.04	37.02	7.00
329	3.29	2.61	44.27	-2.30	1.70	2.61	1.70	4.00	2.52	17.72	53.60	0.00	53.60	47.68	1.73	0.00	5.00	0.78	1.64	2.36	41.32	-0.04	36.25	7.00
330	3.30	2.60	45.50	-2.30	1.75	2.60	1.75	4.00	2.53	17.75	53.78	0.00	53.78	47.34	1.79	0.00	5.00	0.78	1.64	2.37	41.15	-0.04	35.63	7.00
331	3.31	2.55	48.37	-2.30	1.90	2.55	1.90	4.00	2.55	17.81	53.96	0.00	53.96	46.25	1.94	0.00	5.00	0.79	1.64	2.40	40.50	-0.04	34.01	7.00
332	3.32	2.54	51.05	-2.30	2.01	2.54	2.01	4.00	2.57	17.87	54.14	0.00	54.14	45.91	2.05	0.00	5.00	0.80	1.65	2.41	40.40	-0.04	32.94	7.00
333	3.33	2.53	53.73	-2.30	2.13	2.53	2.12	4.00	2.59	17.93	54.32	0.00	54.32	45.57	2.17	0.00	5.00	0.80	1.65	2.43	40.28	-0.04	31.94	5.00
334	3.34	2.48	58.93	-2.40	2.37	2.48	2.38	4.00	2.62	18.03	54.50	0.00	54.50	44.50	2.43	0.00	5.00	0.82	1.66	2.47	39.70	-0.04	29.86	5.00
335	3.35	2.45	61.48	-2.30	2.51	2.45	2.51	4.00	2.64	18.07	54.68	0.00	54.68	43.80	2.57	0.00	4.00	0.82	1.66	2.48	39.28	-0.04	28.85	5.00
336	3.36	2.38	67.00	-2.40	2.81	2.38	2.82	4.00	2.68	18.16	54.86	0.00	54.86	42.38	2.88	0.00	4.00	0.84	1.67	2.53	38.39	-0.04	26.79	5.00
337	3.37	2.35	69.87	-2.40	2.97	2.35	2.97	4.00	2.70	18.20	55.04	0.00	55.04	41.69	3.05	0.00	4.00	0.85	1.68	2.54	37.96	-0.04	25.84	5.00
338	3.38	2.31	73.24	-2.40	3.17	2.31	3.17	4.00	2.72	18.25	55.22	0.00	55.22	40.82	3.25	0.00	4.00	0.86	1.68	2.57	37.40	-0.04	24.75	5.00
339	3.39	2.27	80.84	-2.30	3.56	2.27	3.56	4.00	2.76	18.35	55.41	0.00	55.41	39.96	3.65	0.00	4.00	0.87	1.69	2.61	36.96	-0.04	22.91	5.00
340	3.40	2.25	84.41	-2.30	3.75	2.25	3.75	4.00	2.78	18.40	55.59	0.00	55.59	39.47	3.85	0.00	4.00	0.88	1.69	2.62	36.68	-0.04	22.11	5.00
341	3.41	2.20	91.34	-2.40	4.16	2.20	4.15	3.00	2.82	18.48	55.77	0.00	55.77	38.44	4.26	0.00	4.00	0.89	1.70	2.66	36.03	-0.04	20.59	3.00
342	3.42	2.17	94.62	-2.40	4.36	2.17	4.36	3.00	2.83	18.52	55.96	0.00	55.96	37.77	4.48	0.00	4.00	0.90	1.71	2.68	35.58	-0.04	19.88	3.00
343	3.43	2.15	97.55	-2.40	4.54	2.15	4.54	3.00	2.85	18.55	56.15	0.00	56.15	37.28	4.66	0.00	4.00	0.91	1.71	2.70	35.25	-0.04	19.32	3.00
344	3.44	2.13	100.99	-2.40	4.75	2.13	4.74	3.00	2.86	18.59	56.33	0.00	56.33	36.80	4.87	0.00	4.00	0.91	1.71	2.71	34.94	-0.04	18.71	3.00
345	3.45	2.12	102.44	-2.40	4.83	2.12	4.83	3.00	2.87	18.60	56.52	0.00	56.52	36.50	4.97	0.00	3.00	0.91	1.71	2.72	34.72	-0.04	18.45	3.00
346	3.46	2.13	103.70	-2.40	4.88	2.13	4.87	3.00	2.87	18.62	56.70	0.00	56.70	36.55	5.00	0.00	3.00	0.92	1.70	2.72	34.80	-0.04	18.35	3.00
347	3.47	2.14	104.36	-2.40	4.89	2.14	4.88	3.00	2.87	18.63	56.89	0.00	56.89	36.61	5.01	0.00	3.00	0.92	1.70	2.72	34.86	-0.04	18.33	3.00
348	3.48	2.15	104.17	-2.40	4.85	2.15	4.85	3.00	2.87	18.63	57.08	0.00	57.08	36.66	4.98	0.00	3.00	0.91	1.69	2.72	34.90	-0.04	18.42	3.00
349	3.49	2.17	101.81	-2.40	4.70	2.17	4.69	3.00	2.86	18.60	57.26	0.00	57.26	36.89	4.82	0.00	4.00	0.91	1.68	2.71	35.04	-0.04	18.85	3.00
350	3.50	2.17	99.95	-2.30	4.60	2.17	4.61	3.00	2.85	18.58	57.45	0.00	57.45	36.76	4.73	0.00	4.00	0.91	1.67	2.70	34.91	-0.04	19.09	3.00
351	3.51	2.19	96.20	-2.30	4.39	2.19	4.39	3.00	2.83	18.54	57.63	0.00	57.63	36.99	4.51	0.00	4.00	0.90	1.66	2.69	35.02	-0.04	19.74	3.00
352	3.52	2.17	94.94	-2.30	4.37	2.17	4.38	3.00	2.84	18.52	57.82	0.00	57.82	36.52	4.50	0.00	4.00	0.90	1.66	2.69	34.60	-0.04	19.77	3.00
353	3.53	2.12	91.81	-2.40	4.33	2.12	4.33	3.00	2.84	18.48	58.00	0.00	58.00	35.54	4.45	0.00	4.00	0.91	1.66	2.70	33.72	-0.04	19.86	3.00
354	3.54	2.08	90.33	-2.40	4.34	2.08	4.34	3.00	2.85	18.45	58.19	0.00	58.19	34.74	4.47	0.00	4.00	0.91	1.66	2.70	33.03	-0.04	19.77	3.00
355	3.55	2.04	87.91	-2.49	4.31	2.04	4.31	3.00	2.85	18.41	58.37	0.00	58.37	33.94	4.44	0.00	4.00	0.91	1.65	2.71	32.31	-0.04	19.83	3.00
356	3.56	2.02	87.59	-2.49	4.33	2.02	4.34	3.00	2.86	18.40	58.56	0.00	58.56	33.49	4.47	0.00	4.00	0.91	1.65	2.71	31.93	-0.04	19.72	3.00
357	3.57	2.02	87.31	-2.49	4.32	2.02	4.32	3.00	2.86	18.40	58.74	0.00	58.74	33.38	4.45	0.00	4.00	0.91	1.65	2.71	31.84	-0.04	19.76	3.00
358	3.58	2.03	87.18	-2.40	4.30	2.03	4.30	3.00	2.85	18.40	58.92	0.00	58.92	33.44	4.42	0.00	4.00	0.91	1.64	2.71	31.89	-0.04	19.85	3.00
359	3.59	2.03	87.65	-2.40	4.31	2.03	4.32	3.00	2.85	18.41	59.11	0.00	59.11	33.34	4.45	0.00	4.00	0.91	1.64	2.71	31.81	-0.04	19.77	3.00
360	3.60	2.07	89.51	-2.40	4.33	2.07	4.33	3.00	2.85	18.44	59.29	0.00	59.29	33.90	4.45	0.00	4.00	0.91	1.63	2.71	32.33	-0.04	19.78	3.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
361	3.61	2.08	90.40	-2.30	4.35	2.08	4.35	3.00	2.85	18.45	59.48	0.00	59.48	33.96	4.48	0.00	4.00	0.91	1.63	2.71	32.41	-0.04	19.72	3.00
362	3.62	2.10	91.63	-2.30	4.35	2.10	4.36	3.00	2.85	18.47	59.66	0.00	59.66	34.19	4.49	0.00	4.00	0.91	1.62	2.71	32.63	-0.04	19.68	3.00
363	3.63	2.16	94.59	-2.30	4.38	2.16	4.38	3.00	2.84	18.52	59.85	0.00	59.85	35.08	4.50	0.00	4.00	0.91	1.61	2.70	33.44	-0.04	19.69	3.00
364	3.64	2.18	96.83	-2.40	4.44	2.18	4.44	3.00	2.84	18.55	60.03	0.00	60.03	35.31	4.57	0.00	4.00	0.91	1.61	2.70	33.68	-0.04	19.51	3.00
365	3.65	2.20	99.35	-2.30	4.53	2.20	4.52	3.00	2.84	18.58	60.22	0.00	60.22	35.53	4.64	0.00	4.00	0.91	1.61	2.71	33.92	-0.04	19.30	3.00
366	3.66	2.23	102.91	-2.30	4.62	2.23	4.62	3.00	2.84	18.63	60.40	0.00	60.40	35.91	4.74	0.00	4.00	0.91	1.60	2.71	34.32	-0.04	19.04	3.00
367	3.67	2.24	104.02	-2.30	4.65	2.24	4.64	3.00	2.84	18.64	60.59	0.00	60.59	35.96	4.77	0.00	4.00	0.91	1.60	2.71	34.38	-0.04	18.96	3.00
368	3.68	2.27	106.76	-2.30	4.70	2.27	4.70	3.00	2.84	18.67	60.78	0.00	60.78	36.34	4.83	0.00	4.00	0.91	1.59	2.71	34.76	-0.04	18.81	3.00
369	3.69	2.28	107.45	-2.30	4.71	2.28	4.71	3.00	2.84	18.68	60.96	0.00	60.96	36.39	4.84	0.00	4.00	0.91	1.59	2.71	34.82	-0.04	18.78	3.00
370	3.70	2.29	108.84	-2.40	4.75	2.29	4.75	3.00	2.84	18.70	61.15	0.00	61.15	36.44	4.88	0.00	4.00	0.91	1.59	2.71	34.89	-0.04	18.67	3.00
371	3.71	2.30	108.65	-2.40	4.73	2.30	4.72	3.00	2.84	18.70	61.34	0.00	61.34	36.49	4.85	0.00	4.00	0.91	1.58	2.71	34.93	-0.04	18.75	3.00
372	3.72	2.28	109.72	-2.40	4.81	2.28	4.81	3.00	2.85	18.71	61.53	0.00	61.53	36.05	4.95	0.00	3.00	0.92	1.58	2.72	34.58	-0.04	18.49	3.00
373	3.73	2.28	110.23	-2.49	4.84	2.28	4.84	3.00	2.85	18.71	61.71	0.00	61.71	35.94	4.97	0.00	3.00	0.92	1.58	2.72	34.50	-0.04	18.43	3.00
374	3.74	2.26	110.83	-2.49	4.91	2.26	4.91	3.00	2.86	18.72	61.90	0.00	61.90	35.50	5.04	0.00	3.00	0.92	1.57	2.73	34.14	-0.04	18.23	3.00
375	3.75	2.22	111.74	-2.59	5.03	2.22	5.03	3.00	2.87	18.72	62.09	0.00	62.09	34.75	5.18	0.00	3.00	0.93	1.57	2.74	33.51	-0.04	17.86	3.00
376	3.76	2.21	111.68	-2.59	5.05	2.21	5.05	3.00	2.87	18.72	62.27	0.00	62.27	34.48	5.20	0.00	3.00	0.93	1.57	2.75	33.28	-0.04	17.80	3.00
377	3.77	2.19	111.39	-2.59	5.09	2.19	5.09	3.00	2.88	18.71	62.46	0.00	62.46	34.05	5.24	0.00	3.00	0.93	1.57	2.75	32.91	-0.04	17.71	3.00
378	3.78	2.16	111.24	-16.10	5.16	2.16	5.16	3.00	2.88	18.70	62.65	0.00	62.65	33.42	5.31	-0.01	3.00	0.93	1.57	2.76	32.37	-0.26	17.51	3.00
379	3.79	2.15	110.76	-19.36	5.15	2.15	5.16	3.00	2.89	18.70	62.83	0.00	62.83	33.15	5.32	-0.01	3.00	0.93	1.56	2.76	32.13	-0.31	17.49	3.00
380	3.80	2.17	109.82	-28.37	5.06	2.16	5.07	3.00	2.88	18.69	63.02	0.00	63.02	33.34	5.23	-0.01	3.00	0.93	1.56	2.76	32.28	-0.45	17.71	3.00
381	3.81	2.17	108.81	-28.46	5.01	2.16	5.03	3.00	2.88	18.68	63.21	0.00	63.21	33.24	5.18	-0.01	3.00	0.93	1.55	2.76	32.18	-0.45	17.82	3.00
382	3.82	2.18	107.55	-28.27	4.92	2.17	4.95	3.00	2.87	18.67	63.40	0.00	63.40	33.29	5.10	-0.01	3.00	0.93	1.55	2.75	32.21	-0.45	18.03	3.00
383	3.83	2.21	105.03	-26.26	4.75	2.20	4.76	3.00	2.85	18.64	63.58	0.00	63.58	33.67	4.91	-0.01	3.00	0.92	1.54	2.74	32.50	-0.41	18.52	3.00
384	3.84	2.24	103.92	-26.45	4.64	2.23	4.65	3.00	2.84	18.64	63.77	0.00	63.77	34.04	4.79	-0.01	3.00	0.92	1.53	2.73	32.80	-0.41	18.85	3.00
385	3.85	2.29	101.53	-21.18	4.43	2.29	4.44	3.00	2.82	18.62	63.95	0.00	63.95	34.74	4.57	-0.01	4.00	0.91	1.52	2.71	33.37	-0.33	19.49	3.00
386	3.86	2.32	100.45	-17.92	4.33	2.32	4.34	3.00	2.81	18.61	64.14	0.00	64.14	35.11	4.46	-0.01	4.00	0.91	1.52	2.70	33.68	-0.28	19.83	3.00
387	3.87	2.41	98.97	-23.58	4.11	2.41	4.12	3.00	2.78	18.61	64.33	0.00	64.33	36.39	4.23	-0.01	4.00	0.90	1.50	2.67	34.76	-0.37	20.63	3.00
388	3.88	2.42	98.88	-27.79	4.08	2.41	4.10	3.00	2.78	18.61	64.51	0.00	64.51	36.42	4.21	-0.01	4.00	0.90	1.50	2.67	34.79	-0.43	20.70	3.00
389	3.89	2.42	98.72	-29.04	4.07	2.41	4.09	3.00	2.78	18.61	64.70	0.00	64.70	36.31	4.20	-0.01	4.00	0.90	1.50	2.67	34.70	-0.45	20.71	3.00
390	3.90	2.41	97.99	-24.54	4.06	2.40	4.07	3.00	2.78	18.60	64.88	0.00	64.88	36.06	4.19	-0.01	4.00	0.90	1.49	2.67	34.48	-0.38	20.75	3.00
391	3.91	2.41	97.24	-23.19	4.04	2.41	4.04	3.00	2.78	18.59	65.07	0.00	65.07	35.96	4.16	-0.01	4.00	0.90	1.49	2.67	34.39	-0.36	20.85	3.00
392	3.92	2.41	97.24	-23.19	4.04	2.41	4.04	3.00	2.78	18.59	65.26	0.00	65.26	35.86	4.16	-0.01	4.00	0.90	1.49	2.67	34.30	-0.36	20.84	3.00
393	3.93	2.41	97.24	-23.19	4.04	2.41	4.04	3.00	2.78	18.59	65.44	0.00	65.44	35.75	4.16	-0.01	4.00	0.90	1.48	2.67	34.22	-0.35	20.84	3.00
394	3.94	2.31	83.81	-23.67	3.62	2.31	3.64	4.00	2.76	18.40	65.63	0.00	65.63	34.12	3.74	-0.01	4.00	0.89	1.47	2.65	32.59	-0.36	22.19	5.00
395	3.95	2.27	83.21	-23.10	3.67	2.27	3.67	4.00	2.77	18.39	65.81	0.00	65.81	33.42	3.78	-0.01	4.00	0.90	1.47	2.66	31.97	-0.35	21.98	3.00
396	3.96	2.18	82.10	-18.40	3.77	2.18	3.77	3.00	2.79	18.36	65.99	0.00	65.99	31.97	3.89	-0.01	4.00	0.91	1.47	2.68	30.71	-0.28	21.48	3.00
397	3.97	2.14	81.79	-15.53	3.82	2.14	3.83	3.00	2.80	18.35	66.18	0.00	66.18	31.29	3.95	-0.01	4.00	0.91	1.47	2.70	30.11	-0.23	21.23	3.00
398	3.98	2.13	82.14	-16.48	3.86	2.13	3.86	3.00	2.81	18.35	66.36	0.00	66.36	31.05	3.99	-0.01	4.00	0.91	1.47	2.70	29.91	-0.25	21.09	3.00
399	3.99	2.11	78.79	-14.86	3.73	2.11	3.74	3.00	2.80	18.30	66.54	0.00	66.54	30.66	3.86	-0.01	4.00	0.91	1.47	2.70	29.52	-0.22	21.48	3.00
400	4.00	2.10	76.65	-11.69	3.64	2.10	3.65	4.00	2.80	18.26	66.73	0.00	66.73	30.44	3.77	-0.01	4.00	0.91	1.46	2.69	29.29	-0.18	21.76	3.00
401	4.01	2.10	72.52	-9.10	3.45	2.10	3.46	4.00	2.78	18.20	66.91	0.00	66.91	30.36	3.57	0.00	4.00	0.90	1.45	2.68	29.16	-0.14	22.49	5.00
402	4.02	2.11	70.47	-8.82	3.34	2.11	3.34	4.00	2.77	18.17	67.09	0.00	67.09	30.42	3.45	0.00	4.00	0.90	1.45	2.67	29.19	-0.13	22.95	5.00
403	4.03	2.13	67.98	-8.63	3.19	2.13	3.19	4.00	2.75	18.13	67.27	0.00	67.27	30.64	3.30	0.00	4.00	0.89	1.44	2.65	29.33	-0.13	23.59	5.00
404	4.04	2.15	65.61	-8.15	3.05	2.15	3.05	4.00	2.74	18.09	67.45	0.00	67.45	30.85	3.15	0.00	4.00	0.89	1.44	2.64	29.48	-0.12	24.23	5.00
405	4.05	2.21	61.33	-9.39	2.78	2.21	2.78	4.00	2.70	18.03	67.63	0.00	67.63	31.65	2.87	0.00	4.00	0.88	1.42	2.60	30.10	-0.14	25.66	5.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
406	4.06	2.24	58.55	-9.58	2.62	2.24	2.62	4.00	2.68	17.98	67.81	0.00	67.81	32.00	2.70	0.00	4.00	0.87	1.42	2.58	30.35	-0.14	26.57	5.00
407	4.07	2.26	56.75	-9.68	2.51	2.26	2.51	4.00	2.67	17.95	67.99	0.00	67.99	32.21	2.59	0.00	4.00	0.86	1.41	2.57	30.50	-0.14	27.18	5.00
408	4.08	2.31	54.23	-10.25	2.35	2.31	2.35	4.00	2.64	17.90	68.17	0.00	68.17	32.85	2.42	0.00	4.00	0.85	1.40	2.55	31.01	-0.15	28.27	5.00
409	4.09	2.32	53.00	-10.16	2.29	2.32	2.29	4.00	2.64	17.88	68.35	0.00	68.35	32.91	2.36	0.00	4.00	0.85	1.40	2.54	31.04	-0.15	28.67	5.00
410	4.10	2.33	50.26	-10.45	2.16	2.33	2.16	4.00	2.62	17.82	68.53	0.00	68.53	32.97	2.22	0.00	4.00	0.85	1.39	2.52	31.04	-0.15	29.51	5.00
411	4.11	2.33	49.63	-9.78	2.13	2.33	2.13	4.00	2.62	17.80	68.71	0.00	68.71	32.88	2.20	0.00	4.00	0.84	1.39	2.52	30.96	-0.14	29.68	5.00
412	4.12	2.38	49.16	-11.31	2.07	2.38	2.07	4.00	2.60	17.80	68.88	0.00	68.88	33.52	2.13	0.00	4.00	0.84	1.38	2.51	31.50	-0.16	30.28	5.00
413	4.13	2.41	49.09	-12.46	2.04	2.41	2.04	4.00	2.59	17.80	69.06	0.00	69.06	33.86	2.10	-0.01	4.00	0.84	1.38	2.50	31.81	-0.18	30.57	5.00
414	4.14	2.45	49.79	-14.18	2.04	2.45	2.03	4.00	2.59	17.83	69.24	0.00	69.24	34.34	2.09	-0.01	5.00	0.83	1.37	2.49	32.25	-0.20	30.72	5.00
415	4.15	2.49	50.48	-10.45	2.03	2.49	2.03	4.00	2.58	17.85	69.42	0.00	69.42	34.84	2.09	0.00	5.00	0.83	1.37	2.49	32.70	-0.15	30.89	5.00
416	4.16	2.50	51.30	-8.24	2.05	2.50	2.05	4.00	2.58	17.87	69.60	0.00	69.60	34.90	2.11	0.00	5.00	0.83	1.37	2.49	32.79	-0.12	30.73	5.00
417	4.17	2.49	52.62	-8.05	2.11	2.49	2.11	4.00	2.59	17.90	69.78	0.00	69.78	34.66	2.18	0.00	4.00	0.84	1.37	2.50	32.62	-0.12	30.23	5.00
418	4.18	2.47	53.54	-8.24	2.17	2.47	2.17	4.00	2.60	17.91	69.96	0.00	69.96	34.28	2.23	0.00	4.00	0.84	1.37	2.51	32.33	-0.12	29.77	5.00
419	4.19	2.45	54.74	-8.53	2.23	2.45	2.24	4.00	2.61	17.94	70.13	0.00	70.13	33.91	2.30	0.00	4.00	0.85	1.37	2.52	32.04	-0.12	29.24	5.00
420	4.20	2.47	57.48	-8.63	2.32	2.47	2.33	4.00	2.62	17.99	70.31	0.00	70.31	34.10	2.40	0.00	4.00	0.85	1.36	2.53	32.27	-0.12	28.69	5.00
421	4.21	2.47	59.53	-9.39	2.41	2.47	2.41	4.00	2.63	18.04	70.50	0.00	70.50	34.01	2.48	0.00	4.00	0.85	1.36	2.54	32.25	-0.13	28.15	5.00
422	4.22	2.46	61.07	-10.54	2.48	2.46	2.48	4.00	2.64	18.06	70.68	0.00	70.68	33.78	2.56	0.00	4.00	0.86	1.36	2.55	32.08	-0.15	27.67	5.00
423	4.23	2.40	63.53	-9.58	2.65	2.40	2.65	4.00	2.66	18.10	70.86	0.00	70.86	32.84	2.73	0.00	4.00	0.87	1.36	2.58	31.32	-0.14	26.57	5.00
424	4.24	2.37	65.55	-9.78	2.76	2.37	2.77	4.00	2.68	18.13	71.04	0.00	71.04	32.33	2.85	0.00	4.00	0.87	1.36	2.59	30.91	-0.14	25.86	5.00
425	4.25	2.32	67.51	-11.41	2.91	2.32	2.91	4.00	2.70	18.16	71.22	0.00	71.22	31.54	3.01	-0.01	4.00	0.88	1.36	2.62	30.25	-0.16	25.01	5.00
426	4.26	2.29	68.01	-11.79	2.97	2.29	2.97	4.00	2.71	18.16	71.40	0.00	71.40	31.04	3.07	-0.01	4.00	0.89	1.36	2.63	29.82	-0.17	24.65	5.00
427	4.27	2.24	68.14	-11.88	3.04	2.24	3.05	4.00	2.72	18.15	71.58	0.00	71.58	30.26	3.15	-0.01	4.00	0.89	1.36	2.64	29.14	-0.17	24.21	5.00
428	4.28	2.16	67.10	-11.88	3.11	2.16	3.11	4.00	2.74	18.12	71.76	0.00	71.76	29.06	3.22	-0.01	4.00	0.90	1.36	2.66	28.07	-0.17	23.75	5.00
429	4.29	2.12	65.87	-11.79	3.11	2.12	3.11	4.00	2.75	18.09	71.94	0.00	71.94	28.43	3.22	-0.01	4.00	0.90	1.36	2.67	27.49	-0.16	23.65	5.00
430	4.30	2.07	63.66	-11.79	3.07	2.07	3.08	4.00	2.75	18.04	72.13	0.00	72.13	27.67	3.19	-0.01	4.00	0.90	1.36	2.67	26.78	-0.16	23.66	5.00
431	4.31	2.06	63.06	-11.79	3.07	2.06	3.06	4.00	2.75	18.03	72.31	0.00	72.31	27.46	3.18	-0.01	4.00	0.90	1.36	2.67	26.59	-0.16	23.69	5.00
432	4.32	2.06	61.36	-11.79	2.98	2.06	2.98	4.00	2.75	18.00	72.49	0.00	72.49	27.39	3.09	-0.01	4.00	0.90	1.35	2.67	26.50	-0.16	24.03	5.00
433	4.33	2.08	57.73	-11.69	2.77	2.08	2.78	4.00	2.73	17.93	72.66	0.00	72.66	27.59	2.88	-0.01	4.00	0.89	1.35	2.65	26.64	-0.16	24.97	5.00
434	4.34	2.11	56.28	-11.69	2.67	2.11	2.67	4.00	2.71	17.91	72.84	0.00	72.84	27.93	2.77	-0.01	4.00	0.89	1.34	2.63	26.92	-0.16	25.56	5.00
435	4.35	2.16	51.52	-11.60	2.39	2.16	2.39	4.00	2.67	17.82	73.02	0.00	73.02	28.55	2.47	-0.01	4.00	0.87	1.33	2.59	27.40	-0.16	27.16	5.00
436	4.36	2.17	49.94	-11.60	2.30	2.17	2.30	4.00	2.66	17.78	73.20	0.00	73.20	28.61	2.38	-0.01	4.00	0.87	1.33	2.58	27.44	-0.16	27.64	5.00
437	4.37	2.15	45.88	-11.60	2.14	2.15	2.14	4.00	2.65	17.68	73.38	0.00	73.38	28.27	2.21	-0.01	4.00	0.87	1.32	2.57	27.07	-0.16	28.54	5.00
438	4.38	2.13	43.35	-11.60	2.04	2.13	2.04	4.00	2.64	17.61	73.55	0.00	73.55	27.93	2.11	-0.01	4.00	0.86	1.32	2.56	26.72	-0.16	29.05	5.00
439	4.39	2.07	39.60	-11.60	1.91	2.07	1.92	4.00	2.63	17.50	73.73	0.00	73.73	27.04	1.99	-0.01	4.00	0.86	1.31	2.56	25.87	-0.16	29.55	5.00
440	4.40	2.05	37.99	-11.60	1.86	2.05	1.86	4.00	2.63	17.45	73.90	0.00	73.90	26.71	1.92	-0.01	4.00	0.86	1.31	2.55	25.55	-0.16	29.83	5.00
441	4.41	1.98	35.98	-11.60	1.82	1.98	1.82	4.00	2.63	17.37	74.08	0.00	74.08	25.70	1.89	-0.01	4.00	0.86	1.31	2.56	24.61	-0.16	29.71	5.00
442	4.42	1.95	35.09	-11.60	1.80	1.95	1.80	4.00	2.64	17.34	74.25	0.00	74.25	25.23	1.87	-0.01	4.00	0.86	1.31	2.57	24.19	-0.16	29.65	5.00
443	4.43	1.90	34.75	-11.60	1.83	1.90	1.83	4.00	2.65	17.32	74.42	0.00	74.42	24.50	1.91	-0.01	4.00	0.87	1.31	2.58	23.53	-0.16	29.20	5.00
444	4.44	1.90	34.08	-11.60	1.80	1.90	1.80	4.00	2.65	17.29	74.60	0.00	74.60	24.44	1.87	-0.01	4.00	0.87	1.30	2.58	23.47	-0.16	29.39	5.00
445	4.45	1.89	33.58	-11.60	1.78	1.89	1.78	4.00	2.65	17.27	74.77	0.00	74.77	24.25	1.85	-0.01	4.00	0.87	1.30	2.58	23.30	-0.16	29.43	5.00
446	4.46	1.89	33.58	-11.60	1.78	1.89	1.78	4.00	2.65	17.27	74.94	0.00	74.94	24.19	1.85	-0.01	4.00	0.87	1.30	2.58	23.25	-0.15	29.41	5.00
447	4.47	1.91	33.61	-11.50	1.76	1.91	1.76	4.00	2.64	17.28	75.11	0.00	75.11	24.40	1.83	-0.01	4.00	0.87	1.30	2.57	23.44	-0.15	29.60	5.00
448	4.48	1.93	33.64	-11.50	1.74	1.93	1.75	4.00	2.63	17.28	75.29	0.00	75.29	24.60	1.82	-0.01	4.00	0.86	1.29	2.57	23.64	-0.15	29.79	5.00
449	4.49	1.95	33.26	-11.50	1.70	1.95	1.71	4.00	2.62	17.27	75.46	0.00	75.46	24.81	1.78	-0.01	4.00	0.86	1.29	2.56	23.82	-0.15	30.11	5.00
450	4.50	1.98	32.63	-11.41	1.65	1.98	1.65	4.00	2.61	17.26	75.63	0.00	75.63	25.15	1.72	-0.01	4.00	0.86	1.28	2.54	24.12	-0.15	30.63	4.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
451	4.51	2.05	31.78	-11.41	1.55	2.05	1.55	4.00	2.58	17.24	75.80	0.00	75.80	26.01	1.61	-0.01	5.00	0.85	1.28	2.52	24.88	-0.15	31.68	4.00
452	4.52	2.08	31.03	-11.31	1.49	2.08	1.49	4.00	2.57	17.22	75.98	0.00	75.98	26.35	1.55	-0.01	5.00	0.84	1.27	2.50	25.17	-0.15	32.26	6.00
453	4.53	2.12	30.33	-11.31	1.43	2.12	1.43	4.00	2.55	17.20	76.15	0.00	76.15	26.81	1.49	-0.01	5.00	0.84	1.27	2.49	25.58	-0.15	32.94	6.00
454	4.54	2.16	29.98	-11.21	1.39	2.16	1.39	5.00	2.54	17.19	76.32	0.00	76.32	27.27	1.44	-0.01	5.00	0.83	1.27	2.47	25.99	-0.15	33.50	6.00
455	4.55	2.22	29.92	-11.21	1.35	2.22	1.35	5.00	2.52	17.20	76.49	0.00	76.49	27.99	1.40	-0.01	5.00	0.82	1.26	2.46	26.65	-0.15	34.17	6.00
456	4.56	2.24	30.05	-11.21	1.34	2.24	1.34	5.00	2.52	17.21	76.66	0.00	76.66	28.19	1.39	-0.01	5.00	0.82	1.26	2.45	26.83	-0.15	34.32	6.00
457	4.57	2.28	30.33	-11.12	1.33	2.28	1.33	5.00	2.51	17.23	76.84	0.00	76.84	28.64	1.38	-0.01	5.00	0.82	1.25	2.45	27.25	-0.14	34.64	6.00
458	4.58	2.28	30.62	-11.12	1.34	2.28	1.34	5.00	2.51	17.24	77.01	0.00	77.01	28.58	1.39	-0.01	5.00	0.82	1.25	2.45	27.21	-0.14	34.50	6.00
459	4.59	2.28	31.03	-11.12	1.36	2.28	1.36	5.00	2.51	17.25	77.18	0.00	77.18	28.51	1.41	-0.01	5.00	0.82	1.25	2.45	27.17	-0.14	34.32	6.00
460	4.60	2.26	31.47	-11.12	1.39	2.26	1.39	5.00	2.52	17.27	77.35	0.00	77.35	28.19	1.44	-0.01	5.00	0.83	1.25	2.46	26.90	-0.14	33.91	6.00
461	4.61	2.24	31.81	-11.12	1.42	2.24	1.42	5.00	2.53	17.28	77.53	0.00	77.53	27.86	1.47	-0.01	5.00	0.83	1.25	2.47	26.62	-0.14	33.54	6.00
462	4.62	2.22	32.29	-11.12	1.45	2.22	1.46	4.00	2.54	17.29	77.70	0.00	77.70	27.54	1.51	-0.01	5.00	0.83	1.25	2.48	26.35	-0.14	33.12	6.00
463	4.63	2.16	33.42	-11.12	1.55	2.16	1.55	4.00	2.56	17.32	77.87	0.00	77.87	26.71	1.61	-0.01	5.00	0.84	1.25	2.51	25.63	-0.14	32.05	5.00
464	4.64	2.14	34.27	-11.12	1.60	2.14	1.60	4.00	2.58	17.34	78.05	0.00	78.05	26.39	1.66	-0.01	4.00	0.85	1.25	2.52	25.37	-0.14	31.52	5.00
465	4.65	2.11	36.70	-11.02	1.74	2.11	1.74	4.00	2.60	17.42	78.22	0.00	78.22	25.95	1.81	-0.01	4.00	0.86	1.25	2.54	25.01	-0.14	30.38	5.00
466	4.66	2.09	37.80	-11.02	1.81	2.09	1.81	4.00	2.61	17.45	78.40	0.00	78.40	25.63	1.88	-0.01	4.00	0.86	1.25	2.56	24.75	-0.14	29.81	5.00
467	4.67	2.10	39.13	-11.02	1.86	2.10	1.87	4.00	2.62	17.49	78.57	0.00	78.57	25.70	1.94	-0.01	4.00	0.87	1.25	2.56	24.84	-0.14	29.49	5.00
468	4.68	2.10	39.60	-11.02	1.89	2.10	1.89	4.00	2.62	17.50	78.75	0.00	78.75	25.64	1.96	-0.01	4.00	0.87	1.24	2.57	24.80	-0.14	29.33	5.00
469	4.69	2.09	39.92	-11.02	1.91	2.09	1.91	4.00	2.63	17.51	78.92	0.00	78.92	25.45	1.99	-0.01	4.00	0.87	1.24	2.57	24.64	-0.14	29.12	5.00
470	4.70	2.13	39.82	-11.02	1.87	2.13	1.87	4.00	2.62	17.52	79.10	0.00	79.10	25.90	1.94	-0.01	4.00	0.87	1.24	2.56	25.05	-0.14	29.53	5.00
471	4.71	2.15	39.85	-10.93	1.85	2.15	1.86	4.00	2.61	17.52	79.27	0.00	79.27	26.09	1.93	-0.01	4.00	0.86	1.24	2.56	25.23	-0.14	29.70	5.00
472	4.72	2.21	39.63	-10.93	1.79	2.21	1.80	4.00	2.59	17.52	79.45	0.00	79.45	26.79	1.86	-0.01	4.00	0.86	1.23	2.54	25.87	-0.14	30.36	5.00
473	4.73	2.24	39.63	-10.83	1.77	2.24	1.77	4.00	2.58	17.53	79.62	0.00	79.62	27.10	1.84	-0.01	4.00	0.85	1.23	2.53	26.17	-0.14	30.64	5.00
474	4.74	2.26	39.60	-10.83	1.75	2.26	1.75	4.00	2.58	17.53	79.80	0.00	79.80	27.29	1.82	0.00	4.00	0.85	1.23	2.53	26.35	-0.14	30.83	5.00
475	4.75	2.28	39.98	-10.73	1.75	2.28	1.76	4.00	2.58	17.55	79.97	0.00	79.97	27.48	1.82	0.00	4.00	0.85	1.22	2.53	26.53	-0.13	30.89	5.00
476	4.76	2.28	39.89	-10.73	1.75	2.28	1.75	4.00	2.57	17.54	80.15	0.00	80.15	27.42	1.82	0.00	4.00	0.85	1.22	2.53	26.48	-0.13	30.90	5.00
477	4.77	2.25	39.85	-10.73	1.77	2.25	1.77	4.00	2.58	17.54	80.32	0.00	80.32	26.98	1.84	0.00	4.00	0.86	1.22	2.53	26.09	-0.13	30.59	5.00
478	4.78	2.24	39.70	-10.83	1.77	2.24	1.77	4.00	2.58	17.53	80.50	0.00	80.50	26.80	1.84	-0.01	4.00	0.86	1.22	2.54	25.93	-0.13	30.52	5.00
479	4.79	2.21	39.38	-10.83	1.79	2.21	1.78	4.00	2.59	17.52	80.67	0.00	80.67	26.37	1.85	-0.01	4.00	0.86	1.22	2.54	25.53	-0.13	30.30	5.00
480	4.80	2.11	38.56	-10.83	1.82	2.11	1.83	4.00	2.61	17.47	80.85	0.00	80.85	25.07	1.90	-0.01	4.00	0.87	1.22	2.57	24.33	-0.13	29.52	5.00
481	4.81	2.08	38.25	-10.83	1.84	2.08	1.84	4.00	2.62	17.46	81.02	0.00	81.02	24.64	1.92	-0.01	4.00	0.87	1.22	2.57	23.94	-0.13	29.29	5.00
482	4.82	2.05	38.15	-10.83	1.86	2.05	1.86	4.00	2.63	17.45	81.20	0.00	81.20	24.22	1.94	-0.01	4.00	0.87	1.21	2.58	23.56	-0.13	29.00	5.00
483	4.83	1.98	38.34	-10.83	1.93	1.98	1.94	4.00	2.65	17.44	81.37	0.00	81.37	23.30	2.02	-0.01	4.00	0.88	1.21	2.61	22.72	-0.13	28.22	5.00
484	4.84	1.96	38.56	-10.83	1.97	1.96	1.97	4.00	2.66	17.45	81.55	0.00	81.55	23.01	2.06	-0.01	4.00	0.89	1.21	2.62	22.45	-0.13	27.94	5.00
485	4.85	1.94	39.38	-10.83	2.03	1.94	2.03	4.00	2.67	17.47	81.72	0.00	81.72	22.71	2.12	-0.01	4.00	0.89	1.21	2.63	22.19	-0.13	27.49	5.00
486	4.86	1.96	39.35	-10.73	2.01	1.96	2.01	4.00	2.66	17.47	81.90	0.00	81.90	22.91	2.10	-0.01	4.00	0.89	1.21	2.62	22.37	-0.13	27.68	5.00
487	4.87	2.01	38.81	-10.73	1.93	2.01	1.93	4.00	2.64	17.46	82.07	0.00	82.07	23.46	2.02	-0.01	4.00	0.88	1.20	2.60	22.89	-0.13	28.32	5.00
488	4.88	2.05	39.10	-10.64	1.91	2.05	1.91	4.00	2.63	17.48	82.25	0.00	82.25	23.90	1.99	-0.01	4.00	0.88	1.20	2.59	23.30	-0.13	28.62	5.00
489	4.89	2.12	38.75	-10.64	1.83	2.12	1.83	4.00	2.61	17.48	82.42	0.00	82.42	24.69	1.90	-0.01	4.00	0.87	1.20	2.57	24.04	-0.13	29.40	5.00
490	4.90	2.31	37.27	-10.54	1.61	2.31	1.61	4.00	2.55	17.47	82.59	0.00	82.59	26.94	1.67	0.00	5.00	0.85	1.19	2.51	26.11	-0.13	31.75	5.00
491	4.91	2.42	36.76	-10.45	1.52	2.42	1.52	5.00	2.52	17.47	82.77	0.00	82.77	28.21	1.57	0.00	5.00	0.84	1.18	2.48	27.29	-0.13	33.01	7.00
492	4.92	2.42	36.76	-10.45	1.52	2.42	1.52	5.00	2.52	17.47	82.94	0.00	82.94	28.15	1.57	0.00	5.00	0.84	1.18	2.48	27.24	-0.13	32.99	7.00
493	4.93	2.42	36.76	-10.45	1.52	2.42	1.52	5.00	2.52	17.47	83.12	0.00	83.12	28.09	1.57	0.00	5.00	0.84	1.18	2.48	27.19	-0.13	32.97	7.00
494	4.94	2.84	31.62	-10.06	1.12	2.84	1.11	5.00	2.39	17.36	83.29	0.00	83.29	33.07	1.15	0.00	5.00	0.79	1.17	2.35	31.71	-0.12	39.20	6.00
495	4.95	2.87	32.26	-9.97	1.12	2.87	1.12	5.00	2.39	17.39	83.47	0.00	83.47	33.36	1.16	0.00	5.00	0.79	1.16	2.35	32.00	-0.12	39.23	6.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
496	4.96	2.87	34.97	-9.97	1.22	2.87	1.22	5.00	2.40	17.48	83.64	0.00	83.64	33.29	1.26	0.00	5.00	0.79	1.16	2.37	31.99	-0.12	38.11	7.00
497	4.97	2.86	36.16	-9.97	1.27	2.86	1.27	5.00	2.41	17.52	83.82	0.00	83.82	33.10	1.30	0.00	5.00	0.80	1.16	2.38	31.85	-0.12	37.53	7.00
498	4.98	2.84	37.43	-9.97	1.32	2.84	1.32	5.00	2.43	17.55	83.99	0.00	83.99	32.79	1.36	0.00	5.00	0.80	1.16	2.39	31.59	-0.12	36.83	7.00
499	4.99	2.75	39.03	-9.97	1.42	2.75	1.42	5.00	2.46	17.59	84.17	0.00	84.17	31.65	1.47	0.00	5.00	0.81	1.16	2.42	30.57	-0.12	35.34	7.00
500	5.00	2.70	40.45	-10.06	1.50	2.70	1.50	5.00	2.48	17.62	84.34	0.00	84.34	30.99	1.55	0.00	5.00	0.82	1.16	2.44	29.99	-0.12	34.35	7.00
501	5.01	2.63	41.93	-10.06	1.59	2.63	1.60	5.00	2.50	17.66	84.52	0.00	84.52	30.09	1.65	0.00	5.00	0.83	1.16	2.47	29.19	-0.12	33.18	7.00
502	5.02	2.61	43.04	-10.06	1.65	2.61	1.65	5.00	2.51	17.68	84.70	0.00	84.70	29.79	1.71	0.00	5.00	0.84	1.16	2.48	28.93	-0.12	32.62	7.00
503	5.03	2.61	44.20	-9.97	1.70	2.61	1.69	4.00	2.52	17.71	84.87	0.00	84.87	29.73	1.75	0.00	5.00	0.84	1.16	2.49	28.89	-0.12	32.24	7.00
504	5.04	2.61	44.84	-9.97	1.72	2.61	1.72	4.00	2.52	17.73	85.05	0.00	85.05	29.66	1.78	0.00	5.00	0.84	1.16	2.49	28.85	-0.12	32.03	7.00
505	5.05	2.61	45.84	-9.97	1.76	2.61	1.76	4.00	2.53	17.76	85.23	0.00	85.23	29.60	1.82	0.00	5.00	0.84	1.16	2.50	28.81	-0.12	31.72	5.00
506	5.06	2.60	46.00	-9.97	1.77	2.60	1.77	4.00	2.53	17.76	85.41	0.00	85.41	29.42	1.83	0.00	5.00	0.84	1.16	2.50	28.65	-0.12	31.56	5.00
507	5.07	2.58	46.00	-9.97	1.78	2.58	1.78	4.00	2.54	17.76	85.58	0.00	85.58	29.12	1.85	0.00	4.00	0.85	1.15	2.51	28.38	-0.12	31.36	5.00
508	5.08	2.52	45.75	-9.97	1.81	2.52	1.82	4.00	2.55	17.74	85.76	0.00	85.76	28.36	1.88	0.00	4.00	0.85	1.15	2.52	27.67	-0.12	30.86	5.00
509	5.09	2.49	45.28	-9.97	1.82	2.49	1.82	4.00	2.55	17.72	85.94	0.00	85.94	27.95	1.89	0.00	4.00	0.85	1.15	2.52	27.29	-0.12	30.70	5.00
510	5.10	2.42	43.73	-9.97	1.80	2.42	1.81	4.00	2.56	17.67	86.12	0.00	86.12	27.08	1.88	0.00	4.00	0.86	1.15	2.53	26.46	-0.12	30.48	5.00
511	5.11	2.38	43.04	-10.06	1.81	2.38	1.81	4.00	2.57	17.65	86.29	0.00	86.29	26.56	1.88	0.00	4.00	0.86	1.15	2.54	25.97	-0.12	30.28	5.00
512	5.12	2.33	42.41	-10.06	1.82	2.33	1.82	4.00	2.58	17.62	86.47	0.00	86.47	25.92	1.89	0.00	4.00	0.86	1.15	2.55	25.37	-0.12	29.97	5.00
513	5.13	2.21	41.27	-10.06	1.87	2.21	1.87	4.00	2.60	17.57	86.64	0.00	86.64	24.48	1.95	0.00	4.00	0.87	1.15	2.58	24.01	-0.12	29.14	5.00
514	5.14	2.15	41.08	-10.06	1.91	2.15	1.91	4.00	2.62	17.56	86.82	0.00	86.82	23.74	1.99	0.00	4.00	0.88	1.15	2.59	23.31	-0.12	28.60	5.00
515	5.15	2.10	40.83	-10.06	1.95	2.10	1.95	4.00	2.63	17.54	87.00	0.00	87.00	23.11	2.03	-0.01	4.00	0.89	1.14	2.61	22.72	-0.12	28.17	5.00
516	5.16	2.01	40.74	-10.16	2.03	2.01	2.03	4.00	2.66	17.52	87.17	0.00	87.17	22.03	2.12	-0.01	4.00	0.90	1.14	2.64	21.70	-0.12	27.32	5.00
517	5.17	1.98	40.67	-10.16	2.05	1.98	2.06	4.00	2.66	17.51	87.35	0.00	87.35	21.64	2.15	-0.01	4.00	0.90	1.14	2.64	21.33	-0.12	27.03	5.00
518	5.18	1.90	39.95	-10.16	2.11	1.90	2.10	4.00	2.69	17.48	87.52	0.00	87.52	20.68	2.21	-0.01	4.00	0.91	1.14	2.67	20.41	-0.12	26.43	5.00
519	5.19	1.85	39.54	-10.16	2.13	1.85	2.14	4.00	2.70	17.45	87.69	0.00	87.69	20.07	2.25	-0.01	4.00	0.91	1.14	2.68	19.83	-0.12	26.04	5.00
520	5.20	1.79	39.10	-10.16	2.18	1.79	2.19	4.00	2.72	17.43	87.87	0.00	87.87	19.35	2.30	-0.01	4.00	0.92	1.14	2.70	19.13	-0.12	25.55	5.00
521	5.21	1.72	40.74	-10.25	2.37	1.72	2.37	4.00	2.75	17.46	88.04	0.00	88.04	18.51	2.50	-0.01	4.00	0.94	1.14	2.74	18.35	-0.12	24.47	5.00
522	5.22	1.70	41.52	-10.25	2.44	1.70	2.45	4.00	2.76	17.48	88.22	0.00	88.22	18.25	2.58	-0.01	4.00	0.94	1.14	2.75	18.10	-0.12	24.08	5.00
523	5.23	1.68	42.12	-10.25	2.51	1.68	2.51	4.00	2.77	17.49	88.39	0.00	88.39	17.98	2.65	-0.01	4.00	0.95	1.14	2.76	17.85	-0.12	23.74	5.00
524	5.24	1.67	42.34	-10.25	2.54	1.67	2.54	4.00	2.78	17.49	88.57	0.00	88.57	17.83	2.68	-0.01	4.00	0.95	1.14	2.77	17.71	-0.12	23.59	5.00
525	5.25	1.67	42.03	-10.16	2.52	1.67	2.52	4.00	2.78	17.48	88.74	0.00	88.74	17.79	2.66	-0.01	4.00	0.95	1.13	2.77	17.67	-0.11	23.64	5.00
526	5.26	1.68	41.30	-10.16	2.46	1.68	2.46	4.00	2.77	17.47	88.92	0.00	88.92	17.87	2.60	-0.01	4.00	0.94	1.13	2.76	17.74	-0.11	23.89	5.00
527	5.27	1.69	40.64	-10.16	2.41	1.69	2.41	4.00	2.76	17.45	89.09	0.00	89.09	17.95	2.54	-0.01	4.00	0.94	1.13	2.75	17.81	-0.11	24.13	5.00
528	5.28	1.70	39.38	-10.06	2.31	1.70	2.32	4.00	2.75	17.42	89.27	0.00	89.27	18.02	2.45	-0.01	4.00	0.94	1.13	2.74	17.88	-0.11	24.51	4.00
529	5.29	1.71	38.84	-10.06	2.27	1.71	2.27	4.00	2.74	17.40	89.44	0.00	89.44	18.10	2.40	-0.01	4.00	0.94	1.12	2.73	17.95	-0.11	24.72	4.00
530	5.30	1.74	38.09	-10.06	2.19	1.74	2.19	4.00	2.73	17.39	89.61	0.00	89.61	18.39	2.31	-0.01	4.00	0.93	1.12	2.72	18.24	-0.11	25.18	4.00
531	5.31	1.78	36.39	-9.97	2.04	1.78	2.05	4.00	2.70	17.34	89.79	0.00	89.79	18.80	2.16	-0.01	4.00	0.92	1.12	2.69	18.62	-0.11	25.99	4.00
532	5.32	1.81	35.79	-9.97	1.98	1.81	1.98	4.00	2.69	17.33	89.96	0.00	89.96	19.10	2.08	-0.01	4.00	0.92	1.12	2.68	18.90	-0.11	26.43	4.00
533	5.33	1.82	35.22	-9.97	1.93	1.82	1.94	4.00	2.68	17.31	90.13	0.00	90.13	19.17	2.04	-0.01	4.00	0.91	1.11	2.67	18.97	-0.11	26.66	4.00
534	5.34	1.85	34.84	-9.87	1.88	1.85	1.89	4.00	2.67	17.31	90.31	0.00	90.31	19.46	1.98	-0.01	4.00	0.91	1.11	2.66	19.26	-0.11	27.05	4.00
535	5.35	1.86	34.18	-9.87	1.83	1.86	1.84	4.00	2.66	17.29	90.48	0.00	90.48	19.53	1.93	-0.01	4.00	0.91	1.11	2.65	19.33	-0.11	27.31	4.00
536	5.36	1.86	31.97	-9.87	1.72	1.86	1.72	4.00	2.64	17.21	90.65	0.00	90.65	19.50	1.81	-0.01	4.00	0.90	1.11	2.64	19.28	-0.11	27.92	4.00
537	5.37	1.86	30.80	-9.87	1.66	1.86	1.66	4.00	2.63	17.17	90.82	0.00	90.82	19.46	1.74	-0.01	4.00	0.90	1.10	2.63	19.24	-0.11	28.24	4.00
538	5.38	1.85	29.51	-9.87	1.59	1.85	1.60	4.00	2.63	17.12	91.00	0.00	91.00	19.31	1.68	-0.01	4.00	0.89	1.10	2.62	19.09	-0.11	28.50	4.00
539	5.39	1.86	28.79	-9.87	1.55	1.86	1.55	4.00	2.62	17.09	91.17	0.00	91.17	19.38	1.63	-0.01	4.00	0.89	1.10	2.61	19.16	-0.11	28.81	4.00
540	5.40	1.86	28.47	-9.78	1.53	1.86	1.53	4.00	2.62	17.08	91.34	0.00	91.34	19.34	1.61	-0.01	4.00	0.89	1.10	2.61	19.12	-0.11	28.89	4.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
541	5.41	1.87	28.00	-9.78	1.50	1.87	1.50	4.00	2.61	17.06	91.51	0.00	91.51	19.41	1.58	-0.01	4.00	0.89	1.09	2.61	19.19	-0.11	29.12	4.00
542	5.42	1.87	27.84	-9.78	1.49	1.87	1.49	4.00	2.61	17.05	91.68	0.00	91.68	19.38	1.57	-0.01	4.00	0.89	1.09	2.61	19.16	-0.11	29.15	4.00
543	5.43	1.86	28.03	-9.78	1.51	1.86	1.51	4.00	2.61	17.06	91.85	0.00	91.85	19.23	1.59	-0.01	4.00	0.89	1.09	2.61	19.02	-0.11	28.97	4.00
544	5.44	1.86	28.19	-9.78	1.52	1.86	1.52	4.00	2.61	17.07	92.02	0.00	92.02	19.19	1.60	-0.01	4.00	0.89	1.09	2.61	18.99	-0.11	28.90	4.00
545	5.45	1.85	28.53	-9.78	1.54	1.85	1.54	4.00	2.62	17.08	92.19	0.00	92.19	19.04	1.62	-0.01	4.00	0.89	1.09	2.62	18.85	-0.11	28.67	4.00
546	5.46	1.84	29.10	-9.78	1.58	1.84	1.58	4.00	2.63	17.10	92.36	0.00	92.36	18.90	1.67	-0.01	4.00	0.90	1.09	2.63	18.72	-0.11	28.38	4.00
547	5.47	1.83	29.57	-9.78	1.61	1.83	1.62	4.00	2.63	17.11	92.53	0.00	92.53	18.75	1.70	-0.01	4.00	0.90	1.09	2.64	18.59	-0.11	28.12	4.00
548	5.48	1.83	30.58	-9.78	1.67	1.83	1.67	4.00	2.64	17.15	92.70	0.00	92.70	18.72	1.76	-0.01	4.00	0.90	1.08	2.64	18.56	-0.11	27.81	4.00
549	5.49	1.83	31.03	-9.68	1.69	1.83	1.70	4.00	2.65	17.17	92.88	0.00	92.88	18.68	1.79	-0.01	4.00	0.91	1.08	2.65	18.53	-0.10	27.66	4.00
550	5.50	1.83	31.50	-9.68	1.72	1.83	1.72	4.00	2.65	17.19	93.05	0.00	93.05	18.65	1.82	-0.01	4.00	0.91	1.08	2.65	18.50	-0.10	27.51	4.00
551	5.51	1.84	32.41	-9.68	1.76	1.84	1.76	4.00	2.65	17.22	93.22	0.00	93.22	18.72	1.86	-0.01	4.00	0.91	1.08	2.66	18.57	-0.10	27.34	4.00
552	5.52	1.85	32.60	-9.68	1.76	1.85	1.76	4.00	2.65	17.23	93.39	0.00	93.39	18.79	1.86	-0.01	4.00	0.91	1.08	2.66	18.65	-0.10	27.38	4.00
553	5.53	1.87	32.03	-9.58	1.71	1.87	1.71	4.00	2.64	17.22	93.56	0.00	93.56	18.96	1.81	-0.01	4.00	0.90	1.07	2.65	18.82	-0.10	27.72	4.00
554	5.54	1.89	31.62	-9.58	1.68	1.89	1.67	4.00	2.63	17.20	93.74	0.00	93.74	19.14	1.76	-0.01	4.00	0.90	1.07	2.64	18.99	-0.10	28.02	4.00
555	5.55	1.88	30.99	-9.58	1.65	1.88	1.65	4.00	2.63	17.18	93.91	0.00	93.91	19.00	1.74	-0.01	4.00	0.90	1.07	2.64	18.86	-0.10	28.08	4.00
556	5.56	1.87	30.84	-9.58	1.65	1.87	1.65	4.00	2.63	17.17	94.08	0.00	94.08	18.86	1.74	-0.01	4.00	0.90	1.07	2.64	18.72	-0.10	28.01	4.00
557	5.57	1.87	30.90	-9.58	1.65	1.87	1.65	4.00	2.63	17.17	94.25	0.00	94.25	18.82	1.74	-0.01	4.00	0.90	1.07	2.64	18.69	-0.10	27.97	4.00
558	5.58	1.87	30.80	-9.58	1.64	1.87	1.65	4.00	2.63	17.17	94.42	0.00	94.42	18.78	1.74	-0.01	4.00	0.90	1.07	2.64	18.65	-0.10	27.98	4.00
559	5.59	1.88	30.99	-9.49	1.65	1.88	1.65	4.00	2.63	17.18	94.59	0.00	94.59	18.85	1.74	-0.01	4.00	0.90	1.06	2.64	18.73	-0.10	28.01	4.00
560	5.60	1.89	31.15	-9.49	1.65	1.89	1.65	4.00	2.63	17.19	94.77	0.00	94.77	18.92	1.74	-0.01	4.00	0.90	1.06	2.64	18.80	-0.10	28.05	4.00
561	5.61	1.87	31.03	-9.49	1.66	1.87	1.66	4.00	2.63	17.18	94.94	0.00	94.94	18.68	1.75	-0.01	4.00	0.90	1.06	2.64	18.56	-0.10	27.87	4.00
562	5.62	1.88	31.06	-9.49	1.65	1.88	1.65	4.00	2.63	17.18	95.11	0.00	95.11	18.75	1.74	-0.01	4.00	0.90	1.06	2.64	18.63	-0.10	27.94	4.00
563	5.63	1.90	31.21	-9.49	1.64	1.90	1.64	4.00	2.63	17.19	95.28	0.00	95.28	18.92	1.73	-0.01	4.00	0.90	1.06	2.64	18.81	-0.10	28.09	4.00
564	5.64	1.92	31.15	-9.49	1.62	1.92	1.62	4.00	2.62	17.19	95.45	0.00	95.45	19.09	1.71	-0.01	4.00	0.90	1.06	2.63	18.98	-0.10	28.29	4.00
565	5.65	1.93	31.37	-9.49	1.63	1.93	1.63	4.00	2.62	17.20	95.63	0.00	95.63	19.16	1.71	-0.01	4.00	0.90	1.05	2.63	19.05	-0.10	28.31	4.00
566	5.66	1.92	33.17	-9.39	1.73	1.92	1.73	4.00	2.63	17.27	95.80	0.00	95.80	19.02	1.82	-0.01	4.00	0.91	1.05	2.65	18.92	-0.10	27.69	4.00
567	5.67	1.92	34.84	-9.39	1.82	1.92	1.82	4.00	2.65	17.32	95.97	0.00	95.97	18.99	1.91	-0.01	4.00	0.91	1.05	2.66	18.89	-0.10	27.23	4.00
568	5.68	1.91	36.01	-9.39	1.89	1.91	1.89	4.00	2.66	17.36	96.15	0.00	96.15	18.85	1.99	-0.01	4.00	0.91	1.05	2.67	18.76	-0.10	26.81	4.00
569	5.69	1.86	37.49	-9.39	2.01	1.86	2.02	4.00	2.68	17.39	96.32	0.00	96.32	18.29	2.13	-0.01	4.00	0.93	1.05	2.70	18.22	-0.10	25.94	4.00
570	5.70	1.83	38.59	-9.39	2.11	1.83	2.11	4.00	2.70	17.42	96.49	0.00	96.49	17.94	2.23	-0.01	4.00	0.93	1.05	2.72	17.89	-0.10	25.38	4.00
571	5.71	1.81	39.79	-9.39	2.20	1.81	2.20	4.00	2.71	17.45	96.67	0.00	96.67	17.70	2.33	-0.01	4.00	0.94	1.05	2.73	17.65	-0.10	24.90	4.00
572	5.72	1.80	42.06	-9.39	2.34	1.80	2.34	4.00	2.73	17.51	96.84	0.00	96.84	17.57	2.47	-0.01	4.00	0.95	1.04	2.75	17.52	-0.10	24.29	4.00
573	5.73	1.81	42.69	-9.39	2.36	1.81	2.36	4.00	2.73	17.53	97.02	0.00	97.02	17.64	2.50	-0.01	4.00	0.95	1.04	2.75	17.59	-0.10	24.23	4.00
574	5.74	1.83	42.66	-9.30	2.33	1.83	2.33	4.00	2.72	17.54	97.19	0.00	97.19	17.81	2.46	-0.01	4.00	0.94	1.04	2.74	17.77	-0.10	24.40	4.00
575	5.75	1.85	43.20	-9.30	2.34	1.85	2.34	4.00	2.72	17.56	97.37	0.00	97.37	17.98	2.47	-0.01	4.00	0.94	1.04	2.74	17.94	-0.10	24.45	0.00
576	5.76	1.91	44.90	-9.30	2.35	1.91	2.35	4.00	2.71	17.61	97.55	0.00	97.55	18.56	2.48	-0.01	4.00	0.94	1.04	2.73	18.52	-0.10	24.60	5.00
577	5.77	1.94	45.28	-9.20	2.34	1.94	2.34	4.00	2.70	17.63	97.72	0.00	97.72	18.83	2.46	-0.01	4.00	0.94	1.03	2.72	18.79	-0.09	24.77	5.00
578	5.78	1.97	47.07	-9.20	2.39	1.97	2.39	4.00	2.70	17.68	97.90	0.00	97.90	19.10	2.52	0.00	4.00	0.94	1.03	2.72	19.06	-0.09	24.63	5.00
579	5.79	1.99	48.15	-9.20	2.42	1.99	2.42	4.00	2.70	17.71	98.08	0.00	98.08	19.27	2.55	0.00	4.00	0.94	1.03	2.72	19.23	-0.09	24.57	5.00
580	5.80	2.00	48.81	-9.20	2.44	2.00	2.44	4.00	2.70	17.73	98.25	0.00	98.25	19.34	2.57	0.00	4.00	0.94	1.03	2.73	19.30	-0.09	24.50	5.00
581	5.81	2.00	48.68	-9.20	2.43	2.00	2.44	4.00	2.70	17.72	98.43	0.00	98.43	19.30	2.56	0.00	4.00	0.94	1.03	2.73	19.26	-0.09	24.52	5.00
582	5.82	1.98	48.46	-9.20	2.45	1.98	2.45	4.00	2.71	17.71	98.61	0.00	98.61	19.06	2.58	0.00	4.00	0.94	1.03	2.73	19.03	-0.09	24.38	5.00
583	5.83	1.97	48.46	-9.10	2.47	1.97	2.46	4.00	2.71	17.71	98.78	0.00	98.78	18.92	2.59	0.00	4.00	0.94	1.02	2.74	18.89	-0.09	24.28	5.00
584	5.84	1.96	47.89	-9.10	2.44	1.96	2.45	4.00	2.71	17.70	98.96	0.00	98.96	18.79	2.58	0.00	4.00	0.94	1.02	2.74	18.76	-0.09	24.31	5.00
585	5.85	1.96	47.23	-9.10	2.41	1.96	2.41	4.00	2.71	17.68	99.14	0.00	99.14	18.75	2.54	0.00	4.00	0.94	1.02	2.73	18.73	-0.09	24.43	5.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
586	5.86	1.94	44.87	-9.10	2.31	1.94	2.32	4.00	2.70	17.62	99.31	0.00	99.31	18.51	2.44	0.00	4.00	0.94	1.02	2.73	18.49	-0.09	24.75	5.00
587	5.87	1.93	44.20	-9.10	2.29	1.93	2.29	4.00	2.70	17.60	99.49	0.00	99.49	18.38	2.42	0.00	4.00	0.94	1.02	2.73	18.36	-0.09	24.79	5.00
588	5.88	1.92	43.57	-9.10	2.27	1.92	2.27	4.00	2.70	17.58	99.67	0.00	99.67	18.25	2.40	-0.01	4.00	0.94	1.02	2.73	18.23	-0.09	24.83	4.00
589	5.89	1.92	42.16	-9.10	2.20	1.92	2.20	4.00	2.69	17.54	99.84	0.00	99.84	18.21	2.32	-0.01	4.00	0.94	1.01	2.72	18.19	-0.09	25.13	4.00
590	5.90	1.93	41.52	-9.10	2.15	1.93	2.15	4.00	2.69	17.53	100.02	0.00	100.02	18.28	2.27	0.00	4.00	0.93	1.01	2.71	18.26	-0.09	25.35	4.00
591	5.91	1.95	40.93	-9.01	2.09	1.95	2.10	4.00	2.68	17.51	100.19	0.00	100.19	18.44	2.21	0.00	4.00	0.93	1.01	2.70	18.43	-0.09	25.65	4.00
592	5.92	1.95	40.93	-9.01	2.09	1.95	2.10	4.00	2.68	17.51	100.37	0.00	100.37	18.41	2.22	0.00	4.00	0.93	1.01	2.70	18.40	-0.09	25.64	4.00
593	5.93	1.95	40.93	-9.01	2.09	1.95	2.10	4.00	2.68	17.51	100.54	0.00	100.54	18.38	2.22	0.00	4.00	0.93	1.01	2.70	18.37	-0.09	25.63	4.00
594	5.94	2.15	36.67	-4.12	1.70	2.15	1.71	4.00	2.59	17.42	100.72	0.00	100.72	20.34	1.79	0.00	4.00	0.90	1.01	2.62	20.33	-0.04	28.51	4.00
595	5.95	2.18	36.42	-4.12	1.67	2.18	1.67	4.00	2.58	17.42	100.89	0.00	100.89	20.60	1.75	0.00	4.00	0.89	1.00	2.61	20.59	-0.04	28.84	4.00
596	5.96	2.22	36.26	-4.12	1.63	2.22	1.63	4.00	2.57	17.42	101.07	0.00	101.07	20.96	1.71	0.00	4.00	0.89	1.00	2.59	20.95	-0.04	29.24	4.00
597	5.97	2.25	36.29	-4.22	1.61	2.25	1.61	4.00	2.56	17.43	101.24	0.00	101.24	21.22	1.69	0.00	4.00	0.89	1.00	2.59	21.21	-0.04	29.49	4.00
598	5.98	2.27	36.10	-4.22	1.59	2.27	1.59	4.00	2.55	17.43	101.41	0.00	101.41	21.37	1.67	0.00	4.00	0.88	1.00	2.58	21.38	-0.04	29.71	4.00
599	5.99	2.29	35.79	-4.22	1.57	2.29	1.56	4.00	2.55	17.42	101.59	0.00	101.59	21.53	1.64	0.00	4.00	0.88	1.00	2.57	21.54	-0.04	29.97	4.00
600	6.00	2.29	35.91	-4.22	1.57	2.29	1.57	4.00	2.55	17.42	101.76	0.00	101.76	21.49	1.64	0.00	4.00	0.88	1.00	2.57	21.51	-0.04	29.92	4.00
601	6.01	2.28	35.85	-4.31	1.57	2.28	1.57	4.00	2.55	17.42	101.94	0.00	101.94	21.36	1.65	0.00	4.00	0.88	0.99	2.58	21.37	-0.04	29.82	4.00
602	6.02	2.26	35.69	-4.31	1.58	2.26	1.58	4.00	2.55	17.41	102.11	0.00	102.11	21.12	1.65	0.00	4.00	0.88	0.99	2.58	21.14	-0.04	29.66	4.00
603	6.03	2.25	35.47	-4.31	1.58	2.25	1.58	4.00	2.55	17.40	102.28	0.00	102.28	20.99	1.65	0.00	4.00	0.89	0.99	2.58	21.01	-0.04	29.61	4.00
604	6.04	2.24	35.38	-4.31	1.58	2.24	1.58	4.00	2.56	17.40	102.46	0.00	102.46	20.85	1.66	0.00	4.00	0.89	0.99	2.59	20.88	-0.04	29.53	4.00
605	6.05	2.24	35.38	-4.31	1.58	2.24	1.58	4.00	2.56	17.40	102.63	0.00	102.63	20.82	1.66	0.00	4.00	0.89	0.99	2.59	20.85	-0.04	29.51	4.00
606	6.06	2.24	35.03	-4.41	1.56	2.24	1.56	4.00	2.55	17.39	102.81	0.00	102.81	20.78	1.64	0.00	4.00	0.89	0.99	2.59	20.81	-0.04	29.59	4.00
607	6.07	2.24	32.29	-4.41	1.44	2.24	1.44	5.00	2.53	17.29	102.98	0.00	102.98	20.74	1.51	0.00	4.00	0.88	0.99	2.57	20.78	-0.04	30.35	4.00
608	6.08	2.25	31.18	-4.41	1.38	2.25	1.39	5.00	2.52	17.26	103.15	0.00	103.15	20.80	1.45	0.00	4.00	0.88	0.98	2.56	20.85	-0.04	30.76	4.00
609	6.09	2.26	30.21	-4.41	1.34	2.26	1.34	5.00	2.51	17.22	103.32	0.00	103.32	20.86	1.40	0.00	4.00	0.87	0.98	2.55	20.92	-0.04	31.13	4.00
610	6.10	2.26	29.13	-4.41	1.29	2.26	1.29	5.00	2.50	17.18	103.50	0.00	103.50	20.83	1.35	0.00	5.00	0.87	0.98	2.54	20.89	-0.04	31.44	4.00
611	6.11	2.27	29.10	-4.41	1.28	2.27	1.28	5.00	2.50	17.18	103.67	0.00	103.67	20.89	1.34	0.00	5.00	0.87	0.98	2.54	20.95	-0.04	31.53	4.00
612	6.12	2.30	29.54	-4.41	1.29	2.30	1.28	5.00	2.50	17.20	103.84	0.00	103.84	21.14	1.35	0.00	5.00	0.87	0.98	2.53	21.21	-0.04	31.67	4.00
613	6.13	2.30	30.08	-4.41	1.31	2.30	1.31	5.00	2.50	17.22	104.01	0.00	104.01	21.10	1.37	0.00	5.00	0.87	0.98	2.54	21.18	-0.04	31.49	4.00
614	6.14	2.33	30.90	-4.31	1.33	2.33	1.33	5.00	2.50	17.26	104.18	0.00	104.18	21.36	1.39	0.00	5.00	0.87	0.98	2.54	21.43	-0.04	31.51	4.00
615	6.15	2.33	31.18	-4.31	1.34	2.33	1.34	5.00	2.50	17.27	104.36	0.00	104.36	21.32	1.40	0.00	5.00	0.87	0.97	2.54	21.40	-0.04	31.40	4.00
616	6.16	2.34	31.75	-4.31	1.35	2.34	1.36	5.00	2.50	17.29	104.53	0.00	104.53	21.38	1.42	0.00	4.00	0.87	0.97	2.54	21.46	-0.04	31.31	4.00
617	6.17	2.37	32.66	-4.31	1.38	2.37	1.38	5.00	2.50	17.33	104.70	0.00	104.70	21.63	1.44	0.00	4.00	0.87	0.97	2.54	21.72	-0.04	31.30	4.00
618	6.18	2.37	33.33	-4.31	1.41	2.37	1.41	5.00	2.51	17.35	104.88	0.00	104.88	21.59	1.47	0.00	4.00	0.87	0.97	2.55	21.69	-0.04	31.09	4.00
619	6.19	2.38	34.05	-4.31	1.43	2.38	1.43	5.00	2.51	17.38	105.05	0.00	105.05	21.65	1.50	0.00	4.00	0.87	0.97	2.55	21.75	-0.04	30.95	4.00
620	6.20	2.38	34.59	-4.31	1.46	2.38	1.45	5.00	2.51	17.40	105.22	0.00	105.22	21.61	1.52	0.00	4.00	0.87	0.97	2.55	21.71	-0.04	30.78	4.00
621	6.21	2.37	35.12	-4.31	1.48	2.37	1.48	5.00	2.52	17.41	105.40	0.00	105.40	21.48	1.55	0.00	4.00	0.88	0.97	2.56	21.58	-0.04	30.52	4.00
622	6.22	2.35	36.20	-4.31	1.54	2.35	1.54	4.00	2.53	17.44	105.57	0.00	105.57	21.25	1.61	0.00	4.00	0.88	0.96	2.57	21.35	-0.04	30.02	4.00
623	6.23	2.34	37.02	-4.31	1.58	2.34	1.58	4.00	2.54	17.47	105.75	0.00	105.75	21.12	1.66	0.00	4.00	0.89	0.96	2.58	21.22	-0.04	29.69	4.00
624	6.24	2.33	37.52	-4.31	1.61	2.33	1.61	4.00	2.55	17.48	105.92	0.00	105.92	20.99	1.69	0.00	4.00	0.89	0.96	2.59	21.09	-0.04	29.44	4.00
625	6.25	2.32	38.59	-4.31	1.66	2.32	1.66	4.00	2.56	17.51	106.10	0.00	106.10	20.86	1.74	0.00	4.00	0.89	0.96	2.60	20.96	-0.04	29.06	4.00
626	6.26	2.32	38.94	-4.22	1.68	2.32	1.68	4.00	2.56	17.52	106.27	0.00	106.27	20.82	1.76	0.00	4.00	0.89	0.96	2.60	20.93	-0.04	28.95	4.00
627	6.27	2.33	39.82	-4.22	1.71	2.33	1.71	4.00	2.56	17.55	106.45	0.00	106.45	20.88	1.79	0.00	4.00	0.89	0.96	2.60	20.99	-0.04	28.80	4.00
628	6.28	2.34	40.20	-4.22	1.72	2.34	1.72	4.00	2.56	17.56	106.62	0.00	106.62	20.94	1.80	0.00	4.00	0.90	0.96	2.60	21.05	-0.04	28.78	4.00
629	6.29	2.35	40.42	-4.22	1.72	2.35	1.72	4.00	2.56	17.57	106.80	0.00	106.80	21.00	1.80	0.00	4.00	0.89	0.95	2.60	21.11	-0.04	28.79	4.00
630	6.30	2.36	40.83	-4.12	1.73	2.36	1.73	4.00	2.56	17.58	106.98	0.00	106.98	21.05	1.81	0.00	4.00	0.90	0.95	2.60	21.17	-0.04	28.76	4.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
631	6.31	2.37	41.05	-4.22	1.73	2.37	1.73	4.00	2.56	17.59	107.15	0.00	107.15	21.11	1.81	0.00	4.00	0.89	0.95	2.60	21.23	-0.04	28.78	4.00
632	6.32	2.41	41.46	-4.12	1.72	2.41	1.72	4.00	2.55	17.61	107.33	0.00	107.33	21.45	1.80	0.00	4.00	0.89	0.95	2.60	21.58	-0.04	29.01	4.00
633	6.33	2.43	41.90	-4.12	1.72	2.43	1.72	4.00	2.55	17.62	107.50	0.00	107.50	21.60	1.80	0.00	4.00	0.89	0.95	2.59	21.74	-0.04	29.05	4.00
634	6.34	2.45	42.12	-4.12	1.72	2.45	1.72	4.00	2.54	17.63	107.68	0.00	107.68	21.74	1.80	0.00	4.00	0.89	0.95	2.59	21.89	-0.04	29.16	4.00
635	6.35	2.49	42.50	-4.12	1.70	2.49	1.71	4.00	2.54	17.65	107.86	0.00	107.86	22.08	1.78	0.00	4.00	0.89	0.95	2.58	22.23	-0.04	29.39	4.00
636	6.36	2.52	42.85	-4.03	1.70	2.52	1.70	4.00	2.53	17.66	108.03	0.00	108.03	22.32	1.78	0.00	4.00	0.89	0.94	2.58	22.48	-0.04	29.54	4.00
637	6.37	2.59	42.85	-3.93	1.65	2.59	1.65	5.00	2.51	17.68	108.21	0.00	108.21	22.93	1.73	0.00	4.00	0.88	0.94	2.56	23.11	-0.04	30.12	4.00
638	6.38	2.62	42.53	-3.93	1.62	2.62	1.62	5.00	2.51	17.67	108.39	0.00	108.39	23.17	1.69	0.00	4.00	0.88	0.94	2.55	23.36	-0.04	30.45	4.00
639	6.39	2.68	42.34	-3.93	1.58	2.68	1.58	5.00	2.49	17.67	108.56	0.00	108.56	23.68	1.65	0.00	4.00	0.87	0.94	2.54	23.89	-0.04	30.99	4.00
640	6.40	2.67	41.93	-3.93	1.57	2.67	1.57	5.00	2.49	17.66	108.74	0.00	108.74	23.55	1.64	0.00	4.00	0.87	0.94	2.54	23.76	-0.04	31.00	4.00
641	6.41	2.68	42.75	-3.83	1.60	2.68	1.60	5.00	2.49	17.69	108.92	0.00	108.92	23.60	1.66	0.00	4.00	0.87	0.94	2.54	23.82	-0.04	30.85	4.00
642	6.42	2.67	43.01	-3.83	1.61	2.67	1.61	5.00	2.50	17.69	109.09	0.00	109.09	23.47	1.68	0.00	4.00	0.87	0.94	2.55	23.69	-0.04	30.68	4.00
643	6.43	2.65	43.89	-3.83	1.66	2.65	1.66	5.00	2.51	17.71	109.27	0.00	109.27	23.24	1.73	0.00	4.00	0.88	0.94	2.56	23.46	-0.04	30.27	4.00
644	6.44	2.62	44.17	-3.83	1.68	2.62	1.69	5.00	2.52	17.71	109.45	0.00	109.45	22.93	1.76	0.00	4.00	0.88	0.93	2.57	23.14	-0.03	29.93	4.00
645	6.45	2.58	45.53	-3.83	1.76	2.58	1.77	4.00	2.53	17.74	109.63	0.00	109.63	22.53	1.84	0.00	4.00	0.89	0.93	2.58	22.73	-0.03	29.25	4.00
646	6.46	2.56	46.03	-3.83	1.80	2.56	1.80	4.00	2.54	17.75	109.80	0.00	109.80	22.31	1.88	0.00	4.00	0.89	0.93	2.59	22.50	-0.03	28.95	5.00
647	6.47	2.56	47.33	-3.74	1.85	2.56	1.85	4.00	2.55	17.79	109.98	0.00	109.98	22.27	1.93	0.00	4.00	0.89	0.93	2.60	22.46	-0.03	28.62	5.00
648	6.48	2.56	48.40	-3.74	1.89	2.56	1.89	4.00	2.55	17.81	110.16	0.00	110.16	22.23	1.98	0.00	4.00	0.90	0.93	2.61	22.42	-0.03	28.36	5.00
649	6.49	2.54	49.53	-3.74	1.95	2.54	1.95	4.00	2.56	17.83	110.34	0.00	110.34	22.01	2.04	0.00	4.00	0.90	0.93	2.62	22.20	-0.03	27.93	5.00
650	6.50	2.37	52.24	-3.74	2.20	2.37	2.20	4.00	2.62	17.87	110.52	0.00	110.52	20.44	2.31	0.00	4.00	0.92	0.92	2.68	20.57	-0.03	26.00	5.00
651	6.51	2.26	53.98	-3.74	2.39	2.26	2.39	4.00	2.66	17.89	110.70	0.00	110.70	19.41	2.51	0.00	4.00	0.94	0.92	2.72	19.51	-0.03	24.80	5.00
652	6.52	2.12	56.34	-3.83	2.66	2.12	2.66	4.00	2.71	17.91	110.87	0.00	110.87	18.11	2.81	0.00	4.00	0.96	0.92	2.77	18.18	-0.03	23.29	5.00
653	6.53	1.86	65.11	-3.93	3.50	1.86	3.50	3.00	2.83	18.03	111.05	0.00	111.05	15.74	3.72	0.00	3.00	1.00	0.91	2.89	15.74	-0.04	20.01	3.00
654	6.54	1.78	68.48	-4.03	3.85	1.78	3.85	3.00	2.87	18.07	111.24	0.00	111.24	14.99	4.11	0.00	3.00	1.00	0.91	2.94	14.99	-0.04	19.00	3.00
655	6.55	1.77	68.42	-4.12	3.87	1.77	3.87	3.00	2.87	18.07	111.42	0.00	111.42	14.88	4.13	0.00	3.00	1.00	0.91	2.94	14.88	-0.04	18.93	3.00
656	6.56	1.85	70.41	-3.45	3.81	1.85	3.81	3.00	2.85	18.12	111.60	0.00	111.60	15.57	4.05	0.00	3.00	1.00	0.91	2.92	15.57	-0.03	19.21	3.00
657	6.57	1.89	72.77	-2.78	3.86	1.89	3.85	3.00	2.85	18.16	111.78	0.00	111.78	15.90	4.09	0.00	3.00	1.00	0.91	2.92	15.90	-0.02	19.17	3.00
658	6.58	1.93	82.04	1.25	4.24	1.93	4.25	3.00	2.87	18.31	111.96	0.00	111.96	16.24	4.51	0.00	3.00	1.00	0.91	2.94	16.24	0.01	18.31	3.00
659	6.59	2.07	83.77	7.19	4.04	2.07	4.04	3.00	2.83	18.36	112.15	0.00	112.15	17.47	4.28	0.00	3.00	1.00	0.90	2.90	17.47	0.06	18.99	3.00
660	6.60	2.48	80.15	11.31	3.23	2.48	3.23	4.00	2.71	18.38	112.33	0.00	112.33	21.10	3.38	0.00	4.00	0.96	0.91	2.77	21.19	0.10	22.02	3.00
661	6.61	2.64	79.49	11.12	3.01	2.64	3.01	4.00	2.66	18.39	112.51	0.00	112.51	22.48	3.14	0.00	4.00	0.94	0.91	2.72	22.62	0.10	23.12	5.00
662	6.62	2.73	78.92	10.73	2.89	2.73	2.89	4.00	2.64	18.40	112.70	0.00	112.70	23.24	3.01	0.00	4.00	0.93	0.91	2.70	23.41	0.10	23.77	5.00
663	6.63	2.78	76.59	10.54	2.76	2.78	2.75	4.00	2.62	18.37	112.88	0.00	112.88	23.65	2.87	0.00	4.00	0.93	0.90	2.68	23.83	0.09	24.45	5.00
664	6.64	2.80	73.94	10.45	2.64	2.80	2.64	4.00	2.61	18.33	113.06	0.00	113.06	23.78	2.75	0.00	4.00	0.92	0.90	2.67	23.99	0.09	25.00	5.00
665	6.65	2.84	68.86	10.35	2.42	2.84	2.42	4.00	2.58	18.26	113.25	0.00	113.25	24.10	2.52	0.00	4.00	0.91	0.90	2.64	24.33	0.09	26.13	5.00
666	6.66	2.87	66.21	10.25	2.31	2.87	2.31	4.00	2.56	18.22	113.43	0.00	113.43	24.32	2.40	0.00	4.00	0.91	0.90	2.62	24.58	0.09	26.81	5.00
667	6.67	2.90	64.13	10.16	2.21	2.90	2.21	4.00	2.55	18.18	113.61	0.00	113.61	24.54	2.30	0.00	4.00	0.90	0.90	2.61	24.83	0.09	27.40	5.00
668	6.68	3.01	60.57	10.06	2.01	3.01	2.01	4.00	2.51	18.13	113.79	0.00	113.79	25.47	2.09	0.00	4.00	0.89	0.90	2.57	25.81	0.09	28.89	5.00
669	6.69	3.07	59.78	10.06	1.95	3.07	1.95	5.00	2.50	18.12	113.97	0.00	113.97	25.95	2.02	0.00	4.00	0.88	0.90	2.56	26.32	0.09	29.48	5.00
670	6.70	3.20	58.71	9.97	1.84	3.20	1.83	5.00	2.47	18.12	114.15	0.00	114.15	27.05	1.90	0.00	4.00	0.87	0.90	2.52	27.48	0.09	30.66	5.00
671	6.71	3.27	57.73	10.06	1.76	3.27	1.76	5.00	2.45	18.11	114.34	0.00	114.34	27.62	1.83	0.00	4.00	0.86	0.90	2.51	28.08	0.09	31.39	5.00
672	6.72	3.34	55.68	10.06	1.67	3.34	1.67	5.00	2.43	18.07	114.52	0.00	114.52	28.18	1.73	0.00	5.00	0.85	0.90	2.48	28.70	0.09	32.38	7.00
673	6.73	3.50	51.39	9.97	1.47	3.50	1.47	5.00	2.38	18.00	114.70	0.00	114.70	29.53	1.52	0.00	5.00	0.83	0.90	2.43	30.15	0.09	34.69	7.00
674	6.74	3.58	50.95	9.97	1.42	3.58	1.42	5.00	2.36	18.00	114.88	0.00	114.88	30.18	1.47	0.00	5.00	0.83	0.90	2.42	30.84	0.09	35.42	7.00
675	6.75	3.74	48.87	10.06	1.31	3.74	1.31	5.00	2.32	17.97	115.06	0.00	115.06	31.52	1.35	0.00	5.00	0.81	0.90	2.38	32.28	0.09	37.25	7.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
676	6.76	3.82	48.24	10.06	1.26	3.82	1.26	5.00	2.31	17.96	115.24	0.00	115.24	32.17	1.30	0.00	5.00	0.81	0.90	2.36	32.97	0.09	38.06	7.00
677	6.77	3.91	48.21	10.06	1.23	3.91	1.23	5.00	2.29	17.97	115.42	0.00	115.42	32.90	1.27	0.00	5.00	0.80	0.90	2.35	33.75	0.09	38.77	7.00
678	6.78	4.11	49.85	10.16	1.21	4.11	1.21	5.00	2.27	18.03	115.60	0.00	115.60	34.57	1.25	0.00	5.00	0.79	0.90	2.33	35.53	0.09	39.83	7.00
679	6.79	4.19	51.11	10.16	1.22	4.19	1.22	5.00	2.27	18.06	115.78	0.00	115.78	35.21	1.25	0.00	5.00	0.79	0.90	2.32	36.20	0.09	40.04	7.00
680	6.80	4.37	54.14	10.25	1.24	4.37	1.24	5.00	2.26	18.15	115.96	0.00	115.96	36.70	1.27	0.00	5.00	0.79	0.90	2.31	37.77	0.09	40.47	7.00
681	6.81	4.45	55.11	10.25	1.24	4.45	1.24	5.00	2.25	18.17	116.14	0.00	116.14	37.33	1.27	0.00	5.00	0.79	0.90	2.30	38.45	0.09	40.76	7.00
682	6.82	4.52	56.22	10.25	1.24	4.52	1.24	5.00	2.25	18.20	116.32	0.00	116.32	37.88	1.28	0.00	5.00	0.78	0.90	2.30	39.02	0.09	40.92	7.00
683	6.83	4.66	59.15	10.35	1.27	4.66	1.27	5.00	2.24	18.27	116.50	0.00	116.50	39.02	1.30	0.00	5.00	0.78	0.90	2.29	40.23	0.09	41.05	7.00
684	6.84	4.73	60.16	10.35	1.27	4.73	1.27	5.00	2.24	18.30	116.69	0.00	116.69	39.55	1.30	0.00	5.00	0.78	0.90	2.29	40.80	0.09	41.24	7.00
685	6.85	4.81	62.37	10.45	1.30	4.81	1.30	5.00	2.23	18.34	116.87	0.00	116.87	40.18	1.33	0.00	5.00	0.78	0.89	2.29	41.46	0.09	41.14	7.00
686	6.86	4.82	63.66	10.35	1.32	4.82	1.32	5.00	2.24	18.37	117.05	0.00	117.05	40.20	1.35	0.00	5.00	0.78	0.89	2.29	41.48	0.09	40.82	7.00
687	6.87	4.76	66.56	10.35	1.40	4.76	1.40	5.00	2.26	18.42	117.24	0.00	117.24	39.62	1.43	0.00	5.00	0.79	0.89	2.31	40.86	0.09	39.56	7.00
688	6.88	4.69	67.92	10.35	1.45	4.69	1.45	5.00	2.27	18.43	117.42	0.00	117.42	38.96	1.48	0.00	5.00	0.79	0.89	2.33	40.16	0.09	38.69	7.00
689	6.89	4.50	69.87	10.25	1.55	4.50	1.55	5.00	2.30	18.45	117.61	0.00	117.61	37.28	1.59	0.00	5.00	0.81	0.89	2.36	38.36	0.09	36.88	7.00
690	6.90	4.37	70.85	10.25	1.62	4.37	1.62	5.00	2.33	18.45	117.79	0.00	117.79	36.12	1.67	0.00	5.00	0.82	0.88	2.39	37.13	0.09	35.75	7.00
691	6.91	4.25	71.64	10.16	1.69	4.25	1.68	5.00	2.35	18.46	117.98	0.00	117.98	35.04	1.73	0.00	5.00	0.83	0.88	2.41	35.99	0.09	34.74	7.00
692	6.92	4.25	71.64	10.16	1.69	4.25	1.68	5.00	2.35	18.46	118.16	0.00	118.16	34.99	1.73	0.00	5.00	0.83	0.88	2.41	35.94	0.09	34.73	7.00
693	6.93	4.25	71.64	10.16	1.69	4.25	1.68	5.00	2.35	18.46	118.35	0.00	118.35	34.93	1.73	0.00	5.00	0.83	0.88	2.41	35.89	0.09	34.71	7.00
694	6.94	3.91	65.71	7.86	1.68	3.91	1.68	5.00	2.37	18.33	118.53	0.00	118.53	32.00	1.73	0.00	5.00	0.84	0.88	2.44	32.83	0.07	33.76	7.00
695	6.95	3.87	65.99	7.86	1.70	3.87	1.70	5.00	2.38	18.33	118.71	0.00	118.71	31.61	1.76	0.00	5.00	0.84	0.88	2.45	32.42	0.07	33.40	7.00
696	6.96	3.86	66.09	7.76	1.71	3.86	1.71	5.00	2.38	18.33	118.90	0.00	118.90	31.48	1.77	0.00	5.00	0.84	0.87	2.45	32.29	0.07	33.29	7.00
697	6.97	3.78	68.89	7.76	1.82	3.78	1.82	5.00	2.41	18.37	119.08	0.00	119.08	30.76	1.88	0.00	5.00	0.85	0.87	2.47	31.50	0.07	32.11	7.00
698	6.98	3.77	69.14	7.76	1.83	3.77	1.83	5.00	2.41	18.37	119.26	0.00	119.26	30.62	1.89	0.00	5.00	0.85	0.87	2.48	31.37	0.07	31.97	5.00
699	6.99	3.73	69.65	7.76	1.87	3.73	1.87	5.00	2.42	18.37	119.45	0.00	119.45	30.24	1.93	0.00	5.00	0.86	0.87	2.49	30.96	0.06	31.58	5.00
700	7.00	3.69	70.09	7.76	1.90	3.69	1.90	5.00	2.43	18.38	119.63	0.00	119.63	29.86	1.96	0.00	5.00	0.86	0.87	2.50	30.56	0.06	31.21	5.00
701	7.01	3.63	69.08	7.76	1.90	3.63	1.90	5.00	2.43	18.35	119.81	0.00	119.81	29.31	1.97	0.00	4.00	0.86	0.87	2.50	29.99	0.06	31.00	5.00
702	7.02	3.59	67.88	7.76	1.89	3.59	1.89	5.00	2.43	18.33	120.00	0.00	120.00	28.93	1.96	0.00	4.00	0.86	0.86	2.51	29.60	0.06	30.97	5.00
703	7.03	3.55	66.40	7.76	1.87	3.55	1.87	5.00	2.44	18.30	120.18	0.00	120.18	28.55	1.94	0.00	4.00	0.86	0.86	2.51	29.22	0.06	30.99	5.00
704	7.04	3.54	65.36	7.76	1.85	3.54	1.85	5.00	2.43	18.28	120.36	0.00	120.36	28.42	1.91	0.00	4.00	0.86	0.86	2.51	29.10	0.06	31.13	5.00
705	7.05	3.53	64.38	7.76	1.82	3.53	1.82	5.00	2.43	18.26	120.55	0.00	120.55	28.30	1.89	0.00	4.00	0.86	0.86	2.50	28.98	0.06	31.26	5.00
706	7.06	3.57	63.60	7.86	1.78	3.57	1.78	5.00	2.42	18.25	120.73	0.00	120.73	28.58	1.84	0.00	5.00	0.86	0.86	2.49	29.29	0.07	31.69	5.00
707	7.07	3.59	64.16	7.86	1.79	3.59	1.79	5.00	2.42	18.27	120.91	0.00	120.91	28.70	1.85	0.00	5.00	0.86	0.86	2.49	29.43	0.07	31.69	5.00
708	7.08	3.66	64.23	7.86	1.76	3.66	1.75	5.00	2.41	18.27	121.09	0.00	121.09	29.24	1.81	0.00	5.00	0.86	0.86	2.48	30.00	0.06	32.15	7.00
709	7.09	3.67	64.51	7.95	1.76	3.67	1.76	5.00	2.41	18.28	121.28	0.00	121.28	29.28	1.82	0.00	5.00	0.86	0.86	2.48	30.05	0.07	32.14	7.00
710	7.10	3.70	63.63	7.95	1.72	3.70	1.72	5.00	2.40	18.27	121.46	0.00	121.46	29.48	1.78	0.00	5.00	0.85	0.86	2.47	30.28	0.07	32.53	7.00
711	7.11	3.70	62.90	7.95	1.70	3.70	1.70	5.00	2.40	18.25	121.64	0.00	121.64	29.43	1.76	0.00	5.00	0.85	0.86	2.47	30.24	0.07	32.68	7.00
712	7.12	3.66	62.59	7.95	1.71	3.66	1.71	5.00	2.40	18.24	121.82	0.00	121.82	29.06	1.77	0.00	5.00	0.85	0.85	2.48	29.85	0.07	32.46	7.00
713	7.13	3.63	62.27	8.05	1.71	3.63	1.71	5.00	2.41	18.23	122.01	0.00	122.01	28.77	1.77	0.00	5.00	0.86	0.85	2.48	29.55	0.07	32.30	7.00
714	7.14	3.59	62.21	7.95	1.73	3.59	1.73	5.00	2.41	18.23	122.19	0.00	122.19	28.39	1.79	0.00	5.00	0.86	0.85	2.49	29.16	0.07	32.02	5.00
715	7.15	3.42	62.27	7.95	1.82	3.42	1.82	5.00	2.44	18.21	122.37	0.00	122.37	26.96	1.89	0.00	4.00	0.87	0.85	2.52	27.63	0.06	30.81	5.00
716	7.16	3.29	62.30	7.86	1.89	3.29	1.89	5.00	2.46	18.20	122.55	0.00	122.55	25.86	1.97	0.00	4.00	0.88	0.85	2.55	26.45	0.06	29.88	5.00
717	7.17	3.04	63.15	7.76	2.07	3.04	2.08	4.00	2.52	18.18	122.73	0.00	122.73	23.78	2.16	0.00	4.00	0.90	0.84	2.60	24.23	0.06	27.96	5.00
718	7.18	2.98	64.04	7.76	2.15	2.98	2.15	4.00	2.53	18.19	122.92	0.00	122.92	23.26	2.24	0.00	4.00	0.91	0.84	2.62	23.67	0.06	27.37	5.00
719	7.19	3.00	65.55	7.86	2.18	3.00	2.18	4.00	2.53	18.22	123.10	0.00	123.10	23.38	2.28	0.00	4.00	0.91	0.84	2.62	23.80	0.06	27.21	5.00
720	7.20	3.03	66.87	7.86	2.20	3.03	2.21	4.00	2.53	18.25	123.28	0.00	123.28	23.59	2.30	0.00	4.00	0.91	0.84	2.62	24.01	0.06	27.16	5.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
721	7.21	3.03	69.59	7.95	2.30	3.03	2.30	4.00	2.54	18.29	123.46	0.00	123.46	23.56	2.39	0.00	4.00	0.91	0.83	2.63	23.96	0.06	26.67	5.00
722	7.22	3.03	73.12	8.05	2.41	3.03	2.41	4.00	2.56	18.35	123.65	0.00	123.65	23.52	2.51	0.00	4.00	0.92	0.83	2.65	23.90	0.07	26.06	5.00
723	7.23	3.27	81.79	8.53	2.50	3.27	2.50	4.00	2.54	18.51	123.83	0.00	123.83	25.42	2.60	0.00	4.00	0.91	0.83	2.63	25.87	0.07	26.14	5.00
724	7.24	3.44	84.56	8.53	2.45	3.44	2.46	4.00	2.52	18.57	124.02	0.00	124.02	26.75	2.55	0.00	4.00	0.90	0.83	2.60	27.28	0.07	26.72	5.00
725	7.25	3.47	89.95	8.53	2.59	3.47	2.59	4.00	2.53	18.64	124.20	0.00	124.20	26.95	2.69	0.00	4.00	0.91	0.83	2.62	27.46	0.07	26.05	5.00
726	7.26	3.46	89.04	8.53	2.57	3.46	2.57	4.00	2.53	18.63	124.39	0.00	124.39	26.83	2.67	0.00	4.00	0.91	0.83	2.62	27.34	0.07	26.12	5.00
727	7.27	3.44	87.59	8.53	2.54	3.44	2.54	4.00	2.53	18.61	124.58	0.00	124.58	26.63	2.64	0.00	4.00	0.91	0.83	2.62	27.14	0.07	26.22	5.00
728	7.28	3.38	84.41	8.53	2.50	3.38	2.50	4.00	2.53	18.56	124.76	0.00	124.76	26.11	2.59	0.00	4.00	0.91	0.83	2.62	26.61	0.07	26.34	5.00
729	7.29	3.34	83.02	8.53	2.49	3.34	2.48	4.00	2.53	18.53	124.95	0.00	124.95	25.75	2.58	0.00	4.00	0.91	0.83	2.62	26.23	0.07	26.31	5.00
730	7.30	3.25	79.61	8.43	2.45	3.25	2.45	4.00	2.54	18.48	125.13	0.00	125.13	24.99	2.55	0.00	4.00	0.91	0.82	2.63	25.45	0.07	26.30	5.00
731	7.31	3.21	78.04	8.43	2.43	3.21	2.43	4.00	2.54	18.45	125.32	0.00	125.32	24.63	2.53	0.00	4.00	0.91	0.82	2.63	25.08	0.07	26.29	5.00
732	7.32	3.15	75.14	8.43	2.39	3.15	2.38	4.00	2.54	18.40	125.50	0.00	125.50	24.11	2.48	0.00	4.00	0.92	0.82	2.63	24.55	0.07	26.38	5.00
733	7.33	3.12	74.38	8.43	2.38	3.12	2.38	4.00	2.54	18.38	125.68	0.00	125.68	23.84	2.48	0.00	4.00	0.92	0.82	2.64	24.27	0.07	26.31	5.00
734	7.34	3.06	73.65	8.43	2.41	3.06	2.41	4.00	2.55	18.36	125.87	0.00	125.87	23.33	2.51	0.00	4.00	0.92	0.82	2.65	23.73	0.07	26.04	5.00
735	7.35	3.02	72.80	8.43	2.41	3.02	2.41	4.00	2.56	18.34	126.05	0.00	126.05	22.97	2.51	0.00	4.00	0.92	0.82	2.65	23.36	0.07	25.92	5.00
736	7.36	2.97	70.72	8.34	2.38	2.97	2.38	4.00	2.56	18.30	126.23	0.00	126.23	22.54	2.49	0.00	4.00	0.92	0.82	2.66	22.92	0.07	25.93	5.00
737	7.37	2.78	63.82	8.34	2.29	2.78	2.29	4.00	2.57	18.16	126.42	0.00	126.42	21.00	2.40	0.00	4.00	0.93	0.81	2.67	21.33	0.07	25.84	5.00
738	7.38	2.64	60.88	8.15	2.30	2.64	2.30	4.00	2.59	18.09	126.60	0.00	126.60	19.87	2.42	0.00	4.00	0.94	0.81	2.70	20.14	0.06	25.38	5.00
739	7.39	2.34	56.47	7.95	2.41	2.34	2.41	4.00	2.65	17.95	126.78	0.00	126.78	17.47	2.55	0.00	4.00	0.96	0.81	2.76	17.62	0.06	24.03	5.00
740	7.40	2.21	55.62	7.86	2.52	2.21	2.51	4.00	2.68	17.91	126.96	0.00	126.96	16.42	2.67	0.00	4.00	0.98	0.80	2.79	16.51	0.06	23.24	4.00
741	7.41	2.02	55.46	7.57	2.75	2.02	2.74	4.00	2.73	17.88	127.13	0.00	127.13	14.90	2.93	0.00	3.00	1.00	0.80	2.85	14.91	0.06	21.92	2.00
742	7.42	1.93	57.60	7.57	2.98	1.93	2.98	4.00	2.77	17.90	127.31	0.00	127.31	14.17	3.19	0.00	3.00	1.00	0.80	2.89	14.17	0.06	20.97	2.00
743	7.43	1.87	60.54	7.48	3.24	1.87	3.23	4.00	2.80	17.95	127.49	0.00	127.49	13.68	3.47	0.00	3.00	1.00	0.79	2.92	13.68	0.06	20.16	2.00
744	7.44	1.81	63.66	7.48	3.52	1.81	3.51	3.00	2.83	17.99	127.67	0.00	127.67	13.19	3.78	0.00	3.00	1.00	0.79	2.96	13.19	0.06	19.35	2.00
745	7.45	1.72	70.09	7.48	4.08	1.72	4.07	3.00	2.89	18.08	127.85	0.00	127.85	12.47	4.40	0.00	3.00	1.00	0.79	3.02	12.47	0.06	18.00	3.00
746	7.46	1.75	72.11	7.76	4.12	1.75	4.12	3.00	2.89	18.12	128.04	0.00	128.04	12.68	4.44	0.00	3.00	1.00	0.79	3.01	12.68	0.06	17.95	3.00
747	7.47	1.99	72.05	8.34	3.63	1.99	3.62	3.00	2.81	18.17	128.22	0.00	128.22	14.53	3.87	0.00	3.00	1.00	0.79	2.93	14.53	0.07	19.44	3.00
748	7.48	2.14	71.26	8.53	3.34	2.14	3.33	4.00	2.76	18.19	128.40	0.00	128.40	15.68	3.54	0.00	3.00	1.00	0.79	2.88	15.68	0.07	20.46	3.00
749	7.49	2.26	71.07	8.72	3.14	2.26	3.14	4.00	2.73	18.21	128.58	0.00	128.58	16.59	3.33	0.00	3.00	1.00	0.79	2.85	16.60	0.07	21.23	3.00
750	7.50	2.46	71.26	8.72	2.89	2.46	2.89	4.00	2.68	18.24	128.76	0.00	128.76	18.12	3.05	0.00	4.00	0.98	0.79	2.79	18.22	0.07	22.46	5.00
751	7.51	2.55	70.66	8.82	2.77	2.55	2.77	4.00	2.65	18.24	128.95	0.00	128.95	18.79	2.92	0.00	4.00	0.97	0.79	2.77	18.94	0.07	23.11	5.00
752	7.52	2.67	69.24	8.82	2.59	2.67	2.59	4.00	2.62	18.24	129.13	0.00	129.13	19.69	2.72	0.00	4.00	0.95	0.79	2.73	19.91	0.07	24.08	5.00
753	7.53	2.72	68.36	8.91	2.51	2.72	2.51	4.00	2.61	18.23	129.31	0.00	129.31	20.05	2.64	0.00	4.00	0.95	0.79	2.71	20.30	0.07	24.53	5.00
754	7.54	2.76	64.57	8.82	2.34	2.76	2.34	4.00	2.58	18.17	129.49	0.00	129.49	20.33	2.45	0.00	4.00	0.94	0.79	2.69	20.64	0.07	25.40	5.00
755	7.55	2.76	63.53	8.91	2.30	2.76	2.30	4.00	2.58	18.15	129.67	0.00	129.67	20.30	2.41	0.00	4.00	0.94	0.79	2.69	20.61	0.07	25.56	5.00
756	7.56	2.67	62.93	8.82	2.36	2.67	2.36	4.00	2.59	18.13	129.86	0.00	129.86	19.58	2.48	0.00	4.00	0.95	0.79	2.71	19.84	0.07	25.05	5.00
757	7.57	2.59	62.68	8.82	2.42	2.59	2.42	4.00	2.61	18.11	130.04	0.00	130.04	18.93	2.55	0.00	4.00	0.95	0.79	2.73	19.16	0.07	24.55	5.00
758	7.58	2.40	62.59	8.63	2.61	2.40	2.61	4.00	2.66	18.08	130.22	0.00	130.22	17.44	2.76	0.00	4.00	0.97	0.78	2.78	17.57	0.07	23.28	5.00
759	7.59	2.30	62.30	8.53	2.71	2.30	2.71	4.00	2.68	18.06	130.40	0.00	130.40	16.65	2.87	0.00	4.00	0.98	0.78	2.80	16.73	0.07	22.65	5.00
760	7.60	2.22	62.02	8.43	2.79	2.22	2.79	4.00	2.70	18.04	130.58	0.00	130.58	16.01	2.97	0.00	4.00	0.99	0.78	2.83	16.05	0.06	22.15	5.00
761	7.61	2.06	62.71	8.24	3.05	2.06	3.04	4.00	2.75	18.03	130.76	0.00	130.76	14.77	3.25	0.00	3.00	1.00	0.77	2.88	14.77	0.06	21.00	3.00
762	7.62	2.01	63.03	8.15	3.14	2.01	3.13	4.00	2.77	18.02	130.94	0.00	130.94	14.36	3.35	0.00	3.00	1.00	0.77	2.90	14.36	0.06	20.62	3.00
763	7.63	1.98	63.53	8.15	3.21	1.98	3.21	4.00	2.78	18.03	131.12	0.00	131.12	14.11	3.43	0.00	3.00	1.00	0.77	2.91	14.11	0.06	20.36	3.00
764	7.64	2.01	64.76	8.24	3.23	2.01	3.22	4.00	2.78	18.05	131.30	0.00	131.30	14.32	3.44	0.00	3.00	1.00	0.77	2.91	14.32	0.06	20.38	3.00
765	7.65	2.05	65.30	8.24	3.19	2.05	3.18	4.00	2.77	18.07	131.48	0.00	131.48	14.60	3.40	0.00	3.00	1.00	0.77	2.90	14.60	0.06	20.56	3.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
766	7.66	2.09	65.52	8.34	3.13	2.09	3.13	4.00	2.75	18.08	131.66	0.00	131.66	14.89	3.34	0.00	3.00	1.00	0.77	2.88	14.89	0.06	20.78	3.00
767	7.67	2.09	66.69	8.34	3.19	2.09	3.19	4.00	2.76	18.10	131.84	0.00	131.84	14.87	3.40	0.00	3.00	1.00	0.77	2.89	14.87	0.06	20.62	3.00
768	7.68	2.10	68.89	8.34	3.27	2.10	3.28	4.00	2.77	18.14	132.02	0.00	132.02	14.92	3.50	0.00	3.00	1.00	0.77	2.90	14.92	0.06	20.40	3.00
769	7.69	2.05	70.63	8.24	3.45	2.05	3.44	4.00	2.79	18.16	132.21	0.00	132.21	14.52	3.68	0.00	3.00	1.00	0.77	2.92	14.52	0.06	19.87	3.00
770	7.70	1.97	70.85	8.15	3.59	1.97	3.59	3.00	2.81	18.15	132.39	0.00	132.39	13.89	3.85	0.00	3.00	1.00	0.77	2.95	13.89	0.06	19.34	3.00
771	7.71	1.90	69.93	8.05	3.68	1.90	3.68	3.00	2.83	18.12	132.57	0.00	132.57	13.35	3.95	0.00	3.00	1.00	0.76	2.97	13.35	0.06	19.02	3.00
772	7.72	1.81	65.42	7.86	3.62	1.81	3.61	3.00	2.84	18.02	132.75	0.00	132.75	12.65	3.90	0.00	3.00	1.00	0.76	2.98	12.65	0.06	18.99	2.00
773	7.73	1.80	65.39	7.86	3.63	1.80	3.63	3.00	2.85	18.02	132.93	0.00	132.93	12.55	3.92	0.00	3.00	1.00	0.76	2.98	12.55	0.06	18.92	2.00
774	7.74	1.75	67.66	7.86	3.86	1.75	3.86	3.00	2.87	18.05	133.11	0.00	133.11	12.16	4.18	0.00	3.00	1.00	0.76	3.01	12.16	0.06	18.34	2.00
775	7.75	1.69	70.12	7.95	4.15	1.69	4.15	3.00	2.90	18.08	133.29	0.00	133.29	11.69	4.50	0.01	3.00	1.00	0.76	3.05	11.69	0.06	17.69	2.00
776	7.76	1.64	71.32	8.15	4.34	1.64	4.34	3.00	2.93	18.09	133.47	0.00	133.47	11.30	4.73	0.01	3.00	1.00	0.76	3.07	11.30	0.06	17.26	2.00
777	7.77	1.56	73.78	8.34	4.71	1.56	4.72	3.00	2.97	18.11	133.65	0.00	133.65	10.69	5.17	0.01	3.00	1.00	0.76	3.11	10.69	0.06	16.52	2.00
778	7.78	1.53	73.62	8.15	4.82	1.53	4.81	3.00	2.98	18.10	133.83	0.00	133.83	10.45	5.27	0.01	3.00	1.00	0.76	3.13	10.45	0.06	16.35	2.00
779	7.79	1.38	76.78	7.76	5.55	1.38	5.56	3.00	3.05	18.11	134.01	0.00	134.01	9.31	6.15	0.01	3.00	1.00	0.76	3.21	9.31	0.06	15.17	2.00
780	7.80	1.31	77.34	7.67	5.91	1.31	5.90	3.00	3.09	18.09	134.19	0.00	134.19	8.77	6.57	0.01	3.00	1.00	0.76	3.25	8.77	0.06	14.71	2.00
781	7.81	1.18	78.10	7.28	6.62	1.18	6.61	3.00	3.15	18.06	134.38	0.00	134.38	7.79	7.46	0.01	3.00	1.00	0.75	3.32	7.79	0.05	13.89	2.00
782	7.82	1.14	77.56	7.28	6.79	1.14	6.79	3.00	3.17	18.04	134.56	0.00	134.56	7.48	7.70	0.01	3.00	1.00	0.75	3.34	7.48	0.05	13.70	2.00
783	7.83	1.07	75.92	8.63	7.11	1.07	7.08	3.00	3.20	17.99	134.74	0.00	134.74	6.95	8.10	0.01	3.00	1.00	0.75	3.38	6.95	0.06	13.42	2.00
784	7.84	1.03	75.10	10.73	7.32	1.03	7.28	3.00	3.22	17.97	134.92	0.00	134.92	6.65	8.37	0.01	3.00	1.00	0.75	3.41	6.65	0.08	13.25	2.00
785	7.85	1.01	73.65	14.28	7.30	1.01	7.27	3.00	3.23	17.94	135.09	0.00	135.09	6.50	8.39	0.02	3.00	1.00	0.75	3.41	6.50	0.11	13.25	2.00
786	7.86	1.03	70.91	18.59	6.88	1.03	6.86	3.00	3.21	17.90	135.27	0.00	135.27	6.64	7.89	0.02	3.00	1.00	0.75	3.39	6.64	0.14	13.60	2.00
787	7.87	1.14	64.23	26.64	5.62	1.15	5.61	3.00	3.12	17.83	135.45	0.00	135.45	7.46	6.36	0.03	3.00	1.00	0.75	3.29	7.46	0.20	14.87	2.00
788	7.88	1.21	61.99	30.29	5.14	1.22	5.10	3.00	3.07	17.81	135.63	0.00	135.63	7.97	5.74	0.03	3.00	1.00	0.75	3.24	7.97	0.22	15.53	2.00
789	7.89	1.37	57.45	37.67	4.19	1.38	4.17	3.00	2.97	17.77	135.81	0.00	135.81	9.15	4.63	0.03	3.00	1.00	0.75	3.14	9.15	0.28	17.05	2.00
790	7.90	1.47	54.55	38.43	3.70	1.48	3.69	3.00	2.92	17.74	135.98	0.00	135.98	9.87	4.06	0.03	3.00	1.00	0.75	3.08	9.87	0.28	18.04	2.00
791	7.91	1.56	51.30	38.14	3.29	1.57	3.27	3.00	2.87	17.69	136.16	0.00	136.16	10.52	3.58	0.03	3.00	1.00	0.74	3.02	10.52	0.28	19.05	2.00
792	7.92	1.56	51.30	38.14	3.29	1.57	3.27	3.00	2.87	17.69	136.34	0.00	136.34	10.50	3.58	0.03	3.00	1.00	0.74	3.02	10.50	0.28	19.05	2.00
793	7.93	1.56	51.30	38.14	3.29	1.57	3.27	3.00	2.87	17.69	136.52	0.00	136.52	10.49	3.58	0.03	3.00	1.00	0.74	3.02	10.49	0.28	19.04	2.00
794	7.94	1.90	57.32	-23.86	3.02	1.89	3.02	4.00	2.78	17.89	136.69	0.00	136.69	12.86	3.26	-0.01	3.00	1.00	0.74	2.93	12.86	-0.17	20.43	2.00
795	7.95	1.86	56.53	-21.85	3.03	1.86	3.05	4.00	2.79	17.87	136.87	0.00	136.87	12.56	3.29	-0.01	3.00	1.00	0.74	2.94	12.56	-0.16	20.27	2.00
796	7.96	1.74	59.18	-14.66	3.41	1.74	3.41	3.00	2.84	17.89	137.05	0.00	137.05	11.67	3.70	-0.01	3.00	1.00	0.74	3.00	11.67	-0.11	19.15	2.00
797	7.97	1.65	60.95	-13.23	3.69	1.65	3.70	3.00	2.88	17.91	137.23	0.00	137.23	11.00	4.04	-0.01	3.00	1.00	0.74	3.04	11.00	-0.10	18.36	2.00
798	7.98	1.59	64.45	-11.12	4.05	1.59	4.06	3.00	2.92	17.96	137.41	0.00	137.41	10.55	4.44	-0.01	3.00	1.00	0.74	3.08	10.55	-0.08	17.58	2.00
799	7.99	1.66	65.14	-10.06	3.93	1.66	3.93	3.00	2.90	17.99	137.59	0.00	137.59	11.05	4.28	-0.01	3.00	1.00	0.74	3.05	11.05	-0.07	17.94	2.00
800	8.00	1.73	65.24	-9.78	3.78	1.73	3.78	3.00	2.87	18.00	137.77	0.00	137.77	11.54	4.10	-0.01	3.00	1.00	0.74	3.03	11.54	-0.07	18.36	2.00
801	8.01	1.73	66.84	-9.20	3.86	1.73	3.87	3.00	2.88	18.03	137.95	0.00	137.95	11.53	4.20	-0.01	3.00	1.00	0.73	3.03	11.53	-0.07	18.17	2.00
802	8.02	1.64	70.47	-9.01	4.28	1.64	4.30	3.00	2.92	18.07	138.13	0.00	138.13	10.86	4.70	-0.01	3.00	1.00	0.73	3.08	10.86	-0.07	17.24	2.00
803	8.03	1.57	73.31	-8.91	4.67	1.57	4.67	3.00	2.96	18.10	138.31	0.00	138.31	10.34	5.13	-0.01	3.00	1.00	0.73	3.12	10.34	-0.06	16.53	2.00
804	8.04	1.51	71.98	-8.91	4.76	1.51	4.77	3.00	2.98	18.06	138.49	0.00	138.49	9.89	5.26	-0.01	3.00	1.00	0.73	3.14	9.89	-0.06	16.31	2.00
805	8.05	1.48	70.15	-8.91	4.73	1.48	4.75	3.00	2.99	18.03	138.67	0.00	138.67	9.66	5.24	-0.01	3.00	1.00	0.73	3.15	9.66	-0.06	16.30	2.00
806	8.06	1.44	68.36	-8.91	4.76	1.44	4.75	3.00	3.00	17.99	138.85	0.00	138.85	9.36	5.26	-0.01	3.00	1.00	0.73	3.16	9.36	-0.06	16.23	2.00
807	8.07	1.34	64.89	-8.91	4.86	1.34	4.85	3.00	3.02	17.90	139.03	0.00	139.03	8.62	5.41	-0.01	3.00	1.00	0.73	3.20	8.62	-0.06	15.96	2.00
808	8.08	1.31	62.56	-8.82	4.78	1.31	4.78	3.00	3.03	17.85	139.21	0.00	139.21	8.40	5.35	-0.01	3.00	1.00	0.73	3.21	8.40	-0.06	16.01	2.00
809	8.09	1.30	59.84	-8.72	4.59	1.30	4.61	3.00	3.02	17.79	139.39	0.00	139.39	8.31	5.16	-0.01	3.00	1.00	0.73	3.20	8.31	-0.06	16.22	2.00
810	8.10	1.31	58.87	-8.53	4.50	1.31	4.50	3.00	3.01	17.78	139.57	0.00	139.57	8.37	5.04	-0.01	3.00	1.00	0.73	3.19	8.37	-0.06	16.38	2.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
811	8.11	1.30	57.92	-8.53	4.46	1.30	4.46	3.00	3.01	17.76	139.74	0.00	139.74	8.29	5.00	-0.01	3.00	1.00	0.73	3.19	8.29	-0.06	16.41	2.00
812	8.12	1.23	53.54	-8.43	4.34	1.23	4.36	3.00	3.03	17.65	139.92	0.00	139.92	7.78	4.92	-0.01	3.00	1.00	0.72	3.21	7.78	-0.06	16.42	2.00
813	8.13	1.17	51.14	-8.53	4.37	1.17	4.38	3.00	3.04	17.57	140.10	0.00	140.10	7.34	4.97	-0.01	3.00	1.00	0.72	3.23	7.34	-0.06	16.28	2.00
814	8.14	0.99	47.77	-8.72	4.83	0.99	4.83	3.00	3.13	17.43	140.27	0.00	140.27	6.04	5.63	-0.01	3.00	1.00	0.72	3.33	6.04	-0.06	15.42	2.00
815	8.15	0.95	46.03	-8.82	4.87	0.95	4.85	3.00	3.14	17.37	140.44	0.00	140.44	5.75	5.70	-0.01	3.00	1.00	0.72	3.35	5.75	-0.06	15.33	2.00
816	8.16	0.90	43.07	-8.82	4.77	0.90	4.80	3.00	3.16	17.28	140.62	0.00	140.62	5.39	5.69	-0.01	3.00	1.00	0.72	3.38	5.39	-0.06	15.29	2.00
817	8.17	0.87	41.65	-8.82	4.78	0.87	4.80	3.00	3.17	17.22	140.79	0.00	140.79	5.17	5.73	-0.01	3.00	1.00	0.72	3.39	5.17	-0.06	15.23	2.00
818	8.18	0.83	39.60	-7.95	4.78	0.83	4.78	3.00	3.19	17.15	140.96	0.00	140.96	4.88	5.76	-0.01	3.00	1.00	0.72	3.41	4.88	-0.06	15.17	2.00
819	8.19	0.84	39.85	-4.89	4.72	0.84	4.75	3.00	3.18	17.16	141.13	0.00	141.13	4.94	5.71	-0.01	3.00	1.00	0.72	3.41	4.94	-0.03	15.21	2.00
820	8.20	0.84	39.66	2.30	4.70	0.84	4.72	3.00	3.18	17.15	141.30	0.00	141.30	4.95	5.67	0.00	3.00	1.00	0.72	3.41	4.95	0.02	15.24	2.00
821	8.21	0.89	38.56	15.33	4.35	0.89	4.32	3.00	3.13	17.15	141.48	0.00	141.48	5.31	5.13	0.02	3.00	1.00	0.72	3.36	5.31	0.11	15.75	2.00
822	8.22	0.94	37.65	16.77	4.01	0.94	3.99	3.00	3.09	17.14	141.65	0.00	141.65	5.66	4.70	0.02	3.00	1.00	0.72	3.31	5.66	0.12	16.22	2.00
823	8.23	0.99	36.32	17.06	3.66	0.99	3.66	3.00	3.05	17.12	141.82	0.00	141.82	6.01	4.26	0.02	3.00	1.00	0.71	3.27	6.01	0.12	16.74	2.00
824	8.24	1.07	35.06	21.28	3.27	1.07	3.26	3.00	3.00	17.11	141.99	0.00	141.99	6.57	3.76	0.02	3.00	1.00	0.71	3.20	6.57	0.15	17.50	2.00
825	8.25	1.08	34.12	25.97	3.16	1.09	3.14	3.00	2.98	17.08	142.16	0.00	142.16	6.64	3.62	0.03	3.00	1.00	0.71	3.19	6.64	0.18	17.70	2.00
826	8.26	1.05	33.39	45.52	3.19	1.06	3.15	3.00	2.99	17.05	142.33	0.00	142.33	6.44	3.64	0.05	3.00	1.00	0.71	3.20	6.44	0.32	17.60	2.00
827	8.27	1.01	33.36	48.88	3.29	1.02	3.27	3.00	3.02	17.03	142.50	0.00	142.50	6.16	3.80	0.06	3.00	1.00	0.71	3.23	6.16	0.34	17.30	2.00
828	8.28	0.99	32.79	47.44	3.30	1.00	3.28	3.00	3.02	17.00	142.67	0.00	142.67	6.01	3.82	0.06	3.00	1.00	0.71	3.24	6.01	0.33	17.22	2.00
829	8.29	0.94	32.19	50.51	3.42	0.95	3.39	3.00	3.05	16.96	142.84	0.00	142.84	5.66	3.99	0.06	3.00	1.00	0.71	3.27	5.66	0.35	16.92	2.00
830	8.30	0.92	31.97	49.74	3.48	0.93	3.44	3.00	3.06	16.95	143.01	0.00	143.01	5.51	4.06	0.06	3.00	1.00	0.71	3.29	5.51	0.35	16.79	2.00
831	8.31	0.90	31.37	48.97	3.48	0.91	3.45	3.00	3.07	16.92	143.18	0.00	143.18	5.36	4.09	0.06	3.00	1.00	0.71	3.30	5.36	0.34	16.71	2.00
832	8.32	0.83	31.40	56.07	3.77	0.84	3.73	3.00	3.12	16.89	143.35	0.00	143.35	4.87	4.50	0.08	3.00	1.00	0.71	3.35	4.87	0.39	16.18	2.00
833	8.33	0.81	31.34	56.26	3.86	0.82	3.81	3.00	3.13	16.88	143.52	0.00	143.52	4.73	4.62	0.08	3.00	1.00	0.71	3.37	4.73	0.39	16.04	2.00
834	8.34	0.81	29.73	55.97	3.69	0.82	3.62	3.00	3.12	16.81	143.68	0.00	143.68	4.72	4.38	0.08	3.00	1.00	0.71	3.36	4.72	0.39	16.23	2.00
835	8.35	0.82	30.58	56.83	3.74	0.83	3.68	3.00	3.12	16.85	143.85	0.00	143.85	4.78	4.44	0.08	3.00	1.00	0.70	3.36	4.78	0.40	16.20	2.00
836	8.36	0.85	30.55	61.53	3.58	0.86	3.54	3.00	3.10	16.86	144.02	0.00	144.02	4.99	4.25	0.09	3.00	1.00	0.70	3.33	4.99	0.43	16.44	2.00
837	8.37	0.85	30.24	63.35	3.54	0.86	3.50	3.00	3.09	16.85	144.19	0.00	144.19	4.99	4.21	0.09	3.00	1.00	0.70	3.33	4.99	0.44	16.47	2.00
838	8.38	0.85	29.64	65.94	3.49	0.86	3.43	3.00	3.09	16.83	144.36	0.00	144.36	4.98	4.12	0.09	3.00	1.00	0.70	3.32	4.98	0.46	16.55	2.00
839	8.39	0.85	29.26	66.03	3.45	0.86	3.39	3.00	3.08	16.82	144.53	0.00	144.53	4.98	4.07	0.09	3.00	1.00	0.70	3.32	4.98	0.46	16.60	2.00
840	8.40	0.84	28.63	65.94	3.41	0.85	3.35	3.00	3.09	16.79	144.69	0.00	144.69	4.90	4.04	0.09	3.00	1.00	0.70	3.33	4.90	0.46	16.60	2.00
841	8.41	0.83	27.46	65.27	3.30	0.84	3.25	3.00	3.08	16.73	144.86	0.00	144.86	4.82	3.93	0.09	3.00	1.00	0.70	3.33	4.82	0.45	16.66	2.00
842	8.42	0.83	27.84	64.98	3.36	0.84	3.30	3.00	3.09	16.75	145.03	0.00	145.03	4.82	3.99	0.09	3.00	1.00	0.70	3.33	4.82	0.45	16.61	2.00
843	8.43	0.85	27.05	65.27	3.19	0.86	3.13	3.00	3.06	16.73	145.20	0.00	145.20	4.95	3.76	0.09	3.00	1.00	0.70	3.31	4.95	0.45	16.87	2.00
844	8.44	0.95	25.54	68.33	2.70	0.96	2.65	3.00	2.98	16.70	145.36	0.00	145.36	5.63	3.12	0.08	3.00	1.00	0.70	3.21	5.63	0.47	17.85	2.00
845	8.45	0.98	24.97	69.48	2.54	0.99	2.51	3.00	2.96	16.69	145.53	0.00	145.53	5.83	2.94	0.08	3.00	1.00	0.70	3.19	5.83	0.48	18.17	2.00
846	8.46	1.01	24.53	71.31	2.43	1.02	2.39	3.00	2.94	16.68	145.70	0.00	145.70	6.03	2.79	0.08	3.00	1.00	0.70	3.16	6.03	0.49	18.47	2.00
847	8.47	1.00	22.67	69.29	2.27	1.01	2.23	3.00	2.93	16.58	145.86	0.00	145.86	5.96	2.61	0.08	3.00	1.00	0.69	3.15	5.96	0.48	18.65	2.00
848	8.48	0.97	21.91	44.76	2.27	0.98	2.24	3.00	2.94	16.53	146.03	0.00	146.03	5.71	2.63	0.05	3.00	1.00	0.69	3.17	5.71	0.31	18.48	2.00
849	8.49	0.93	23.14	40.54	2.49	0.94	2.47	3.00	2.98	16.58	146.19	0.00	146.19	5.42	2.92	0.05	3.00	1.00	0.69	3.21	5.42	0.28	17.97	2.00
850	8.50	0.91	23.90	41.50	2.62	0.92	2.60	3.00	3.00	16.61	146.36	0.00	146.36	5.28	3.09	0.05	3.00	1.00	0.69	3.24	5.28	0.28	17.70	2.00
851	8.51	0.90	24.25	41.98	2.69	0.91	2.67	3.00	3.01	16.62	146.53	0.00	146.53	5.20	3.18	0.06	3.00	1.00	0.69	3.25	5.20	0.29	17.56	2.00
852	8.52	0.88	24.28	43.99	2.76	0.89	2.73	3.00	3.02	16.61	146.69	0.00	146.69	5.06	3.27	0.06	3.00	1.00	0.69	3.26	5.06	0.30	17.40	2.00
853	8.53	0.91	24.72	45.81	2.71	0.92	2.69	3.00	3.01	16.65	146.86	0.00	146.86	5.26	3.20	0.06	3.00	1.00	0.69	3.25	5.26	0.31	17.58	2.00
854	8.54	1.00	25.67	65.08	2.57	1.01	2.53	3.00	2.96	16.73	147.03	0.00	147.03	5.89	2.96	0.08	3.00	1.00	0.69	3.19	5.89	0.44	18.17	2.00
855	8.55	1.12	25.54	78.40	2.29	1.14	2.25	4.00	2.89	16.76	147.19	0.00	147.19	6.72	2.58	0.08	3.00	1.00	0.69	3.11	6.72	0.53	19.14	2.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
856	8.56	1.53	24.81	90.67	1.62	1.55	1.60	4.00	2.69	16.85	147.36	0.00	147.36	9.51	1.77	0.06	4.00	1.00	0.69	2.89	9.51	0.62	22.47	1.00
857	8.57	1.75	25.16	91.24	1.44	1.77	1.42	4.00	2.62	16.92	147.53	0.00	147.53	10.99	1.55	0.06	4.00	0.99	0.69	2.81	11.02	0.62	24.13	4.00
858	8.58	2.21	26.64	91.72	1.21	2.23	1.20	5.00	2.49	17.07	147.70	0.00	147.70	14.09	1.28	0.04	4.00	0.94	0.70	2.66	14.42	0.62	27.61	4.00
859	8.59	2.41	27.30	90.19	1.13	2.43	1.12	5.00	2.45	17.13	147.87	0.00	147.87	15.43	1.20	0.04	4.00	0.92	0.71	2.61	15.91	0.61	29.10	4.00
860	8.60	2.55	28.06	88.27	1.10	2.57	1.09	5.00	2.42	17.19	148.05	0.00	148.05	16.35	1.16	0.04	4.00	0.91	0.71	2.58	16.93	0.60	30.05	4.00
861	8.61	2.66	31.78	47.06	1.19	2.67	1.19	5.00	2.42	17.34	148.22	0.00	148.22	17.01	1.26	0.02	4.00	0.91	0.71	2.59	17.61	0.32	29.95	4.00
862	8.62	2.67	32.29	30.86	1.21	2.68	1.21	5.00	2.43	17.36	148.39	0.00	148.39	17.04	1.28	0.01	4.00	0.91	0.71	2.59	17.63	0.21	29.87	4.00
863	8.63	2.68	32.16	23.19	1.20	2.68	1.20	5.00	2.42	17.36	148.57	0.00	148.57	17.07	1.27	0.01	4.00	0.91	0.71	2.59	17.68	0.16	29.95	4.00
864	8.64	2.60	32.48	15.62	1.25	2.60	1.25	5.00	2.44	17.36	148.74	0.00	148.74	16.50	1.32	0.01	4.00	0.92	0.70	2.61	17.03	0.11	29.21	4.00
865	8.65	2.53	32.98	13.71	1.31	2.53	1.30	5.00	2.46	17.37	148.91	0.00	148.91	16.01	1.38	0.01	4.00	0.93	0.70	2.63	16.47	0.09	28.53	4.00
866	8.66	2.46	33.26	12.36	1.35	2.46	1.35	5.00	2.48	17.36	149.09	0.00	149.09	15.52	1.44	0.01	4.00	0.93	0.70	2.65	15.91	0.08	27.90	4.00
867	8.67	2.32	33.96	6.33	1.46	2.32	1.46	5.00	2.52	17.37	149.26	0.00	149.26	14.55	1.56	0.00	4.00	0.95	0.69	2.70	14.82	0.04	26.64	4.00
868	8.68	2.25	34.37	5.85	1.53	2.25	1.53	4.00	2.55	17.37	149.43	0.00	149.43	14.06	1.64	0.00	4.00	0.96	0.69	2.72	14.28	0.04	26.01	4.00
869	8.69	2.07	36.07	5.27	1.75	2.07	1.74	4.00	2.61	17.39	149.61	0.00	149.61	12.84	1.88	0.00	4.00	0.99	0.68	2.79	12.91	0.04	24.31	4.00
870	8.70	2.00	37.05	4.89	1.85	2.00	1.85	4.00	2.63	17.41	149.78	0.00	149.78	12.36	2.00	0.00	4.00	1.00	0.68	2.82	12.36	0.03	23.60	4.00
871	8.71	1.90	38.72	4.12	2.04	1.90	2.04	4.00	2.68	17.44	149.96	0.00	149.96	11.68	2.21	0.00	4.00	1.00	0.68	2.87	11.68	0.03	22.62	4.00
872	8.72	1.85	38.56	3.93	2.08	1.85	2.08	4.00	2.69	17.43	150.13	0.00	150.13	11.33	2.27	0.00	4.00	1.00	0.67	2.88	11.33	0.03	22.29	4.00
873	8.73	1.82	38.31	1.73	2.10	1.82	2.10	4.00	2.70	17.41	150.31	0.00	150.31	11.11	2.29	0.00	3.00	1.00	0.67	2.89	11.11	0.01	22.11	4.00
874	8.74	1.81	37.55	1.53	2.08	1.81	2.07	4.00	2.70	17.39	150.48	0.00	150.48	11.03	2.26	0.00	3.00	1.00	0.67	2.89	11.03	0.01	22.15	4.00
875	8.75	1.82	37.27	1.25	2.05	1.82	2.05	4.00	2.69	17.38	150.65	0.00	150.65	11.08	2.23	0.00	4.00	1.00	0.67	2.89	11.08	0.01	22.25	4.00
876	8.76	1.89	38.06	1.34	2.01	1.89	2.01	4.00	2.68	17.42	150.83	0.00	150.83	11.53	2.19	0.00	4.00	1.00	0.67	2.87	11.53	0.01	22.61	4.00
877	8.77	1.93	38.94	1.63	2.01	1.93	2.02	4.00	2.67	17.45	151.00	0.00	151.00	11.78	2.19	0.00	4.00	1.00	0.67	2.86	11.78	0.01	22.74	4.00
878	8.78	1.98	40.61	1.05	2.05	1.98	2.05	4.00	2.66	17.51	151.18	0.00	151.18	12.10	2.22	0.00	4.00	1.00	0.67	2.86	12.10	0.01	22.81	4.00
879	8.79	1.95	41.78	0.38	2.14	1.95	2.14	4.00	2.68	17.54	151.35	0.00	151.35	11.88	2.32	0.00	4.00	1.00	0.67	2.87	11.88	0.00	22.42	4.00
880	8.80	1.90	43.54	-0.10	2.30	1.90	2.29	4.00	2.71	17.57	151.53	0.00	151.53	11.54	2.49	0.00	3.00	1.00	0.67	2.90	11.54	0.00	21.81	2.00
881	8.81	1.74	48.71	-0.86	2.80	1.74	2.80	4.00	2.79	17.67	151.70	0.00	151.70	10.47	3.07	0.00	3.00	1.00	0.67	2.99	10.47	-0.01	20.05	2.00
882	8.82	1.73	50.61	-1.25	2.93	1.73	2.93	4.00	2.80	17.71	151.88	0.00	151.88	10.39	3.21	0.00	3.00	1.00	0.67	3.00	10.39	-0.01	19.73	2.00
883	8.83	1.81	51.14	-1.44	2.83	1.81	2.83	4.00	2.78	17.74	152.06	0.00	152.06	10.90	3.09	0.00	3.00	1.00	0.67	2.97	10.90	-0.01	20.17	2.00
884	8.84	2.10	53.70	-0.86	2.55	2.10	2.56	4.00	2.70	17.85	152.24	0.00	152.24	12.79	2.76	0.00	3.00	1.00	0.67	2.89	12.79	-0.01	21.65	2.00
885	8.85	2.29	56.85	-0.48	2.49	2.29	2.48	4.00	2.66	17.95	152.42	0.00	152.42	14.02	2.66	0.00	4.00	1.00	0.66	2.85	14.02	0.00	22.39	4.00
886	8.86	2.51	59.15	0.96	2.36	2.51	2.36	4.00	2.62	18.03	152.60	0.00	152.60	15.45	2.51	0.00	4.00	0.99	0.67	2.80	15.51	0.01	23.42	4.00
887	8.87	2.89	63.63	1.73	2.20	2.89	2.20	4.00	2.55	18.17	152.78	0.00	152.78	17.92	2.32	0.00	4.00	0.96	0.67	2.72	18.20	0.01	25.11	4.00
888	8.88	2.95	64.48	1.82	2.18	2.95	2.19	4.00	2.54	18.20	152.96	0.10	152.86	18.30	2.30	0.00	4.00	0.96	0.67	2.71	18.62	0.01	25.34	4.00
889	8.89	2.98	65.24	1.92	2.19	2.98	2.19	4.00	2.54	18.21	153.14	0.20	152.95	18.49	2.31	0.00	4.00	0.96	0.67	2.71	18.82	0.01	25.41	4.00
890	8.90	2.96	65.46	1.92	2.21	2.96	2.21	4.00	2.54	18.21	153.33	0.29	153.03	18.34	2.33	0.00	4.00	0.96	0.67	2.71	18.66	0.01	25.25	4.00
891	8.91	2.89	63.50	2.01	2.19	2.89	2.20	4.00	2.55	18.17	153.51	0.39	153.11	17.87	2.32	0.00	4.00	0.96	0.67	2.72	18.16	0.01	25.11	4.00
892	8.92	2.89	63.50	2.01	2.19	2.89	2.20	4.00	2.55	18.17	153.69	0.49	153.20	17.86	2.32	0.00	4.00	0.96	0.67	2.72	18.14	0.01	25.11	4.00
893	8.93	2.89	63.50	2.01	2.19	2.89	2.20	4.00	2.55	18.17	153.87	0.59	153.28	17.85	2.32	0.00	4.00	0.96	0.67	2.72	18.13	0.01	25.10	4.00
894	8.94	2.93	43.67	2.78	1.49	2.93	1.49	5.00	2.44	17.74	154.05	0.69	153.36	18.10	1.57	0.00	4.00	0.92	0.68	2.62	18.70	0.01	28.87	4.00
895	8.95	2.87	44.39	1.92	1.55	2.87	1.55	5.00	2.46	17.76	154.23	0.78	153.44	17.70	1.63	0.00	4.00	0.93	0.68	2.63	18.23	0.01	28.29	4.00
896	8.96	2.85	45.25	0.38	1.59	2.85	1.59	5.00	2.47	17.77	154.40	0.88	153.52	17.56	1.68	0.00	4.00	0.93	0.68	2.64	18.05	0.00	27.97	4.00
897	8.97	2.81	46.82	-0.96	1.66	2.81	1.67	5.00	2.49	17.81	154.58	0.98	153.60	17.29	1.76	0.00	4.00	0.94	0.68	2.66	17.72	-0.01	27.38	4.00
898	8.98	2.83	50.61	-3.26	1.79	2.83	1.79	5.00	2.50	17.90	154.76	1.08	153.68	17.40	1.89	0.00	4.00	0.95	0.67	2.68	17.80	-0.03	26.81	4.00
899	8.99	2.88	51.17	-4.31	1.78	2.88	1.78	5.00	2.50	17.92	154.94	1.18	153.76	17.72	1.88	0.00	4.00	0.94	0.67	2.67	18.14	-0.04	27.04	4.00
900	9.00	3.05	52.28	-6.04	1.71	3.05	1.71	5.00	2.47	17.97	155.12	1.28	153.84	18.81	1.81	0.00	4.00	0.93	0.68	2.64	19.36	-0.05	27.97	4.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
901	9.01	3.18	53.92	-7.00	1.69	3.18	1.70	5.00	2.45	18.02	155.30	1.37	153.93	19.64	1.78	0.00	4.00	0.92	0.68	2.62	20.28	-0.05	28.52	4.00
902	9.02	3.51	59.02	-7.95	1.68	3.51	1.68	5.00	2.41	18.16	155.48	1.47	154.01	21.77	1.76	0.00	4.00	0.91	0.68	2.57	22.64	-0.06	29.71	4.00
903	9.03	3.69	61.14	-8.15	1.66	3.69	1.66	5.00	2.39	18.22	155.66	1.57	154.09	22.93	1.73	0.00	4.00	0.90	0.69	2.55	23.93	-0.06	30.45	4.00
904	9.04	3.86	62.49	-8.82	1.62	3.86	1.62	5.00	2.37	18.26	155.85	1.67	154.18	24.01	1.69	0.00	4.00	0.89	0.69	2.53	25.16	-0.07	31.26	5.00
905	9.05	3.99	63.44	-9.58	1.59	3.99	1.59	5.00	2.35	18.29	156.03	1.77	154.26	24.84	1.66	0.00	5.00	0.88	0.69	2.51	26.11	-0.07	31.89	5.00
906	9.06	4.14	64.29	-11.69	1.55	4.14	1.55	5.00	2.33	18.32	156.21	1.86	154.35	25.79	1.61	0.00	5.00	0.87	0.69	2.49	27.20	-0.09	32.65	7.00
907	9.07	4.17	65.24	-12.65	1.56	4.17	1.57	5.00	2.33	18.34	156.40	1.96	154.43	25.97	1.63	0.00	5.00	0.87	0.69	2.49	27.39	-0.09	32.64	7.00
908	9.08	4.16	65.36	-13.99	1.57	4.16	1.57	5.00	2.34	18.34	156.58	2.06	154.52	25.89	1.63	0.00	5.00	0.87	0.69	2.49	27.30	-0.10	32.55	7.00
909	9.09	4.12	64.23	-14.47	1.56	4.12	1.56	5.00	2.34	18.32	156.76	2.16	154.60	25.62	1.62	0.00	5.00	0.88	0.69	2.49	27.00	-0.11	32.52	7.00
910	9.10	4.06	62.81	-14.86	1.55	4.06	1.55	5.00	2.34	18.29	156.95	2.26	154.69	25.21	1.61	0.00	5.00	0.88	0.69	2.49	26.56	-0.11	32.42	7.00
911	9.11	3.80	60.35	-15.05	1.59	3.80	1.59	5.00	2.37	18.22	157.13	2.35	154.77	23.52	1.66	0.00	4.00	0.89	0.69	2.53	24.64	-0.11	31.25	4.00
912	9.12	3.65	58.96	-14.95	1.62	3.65	1.62	5.00	2.39	18.17	157.31	2.45	154.86	22.53	1.69	0.00	4.00	0.90	0.68	2.55	23.53	-0.11	30.55	4.00
913	9.13	3.30	56.28	-10.83	1.71	3.30	1.71	5.00	2.44	18.08	157.49	2.55	154.94	20.27	1.79	0.00	4.00	0.92	0.68	2.61	20.97	-0.09	28.79	4.00
914	9.14	3.14	55.37	-9.30	1.77	3.14	1.76	5.00	2.46	18.04	157.67	2.65	155.02	19.23	1.86	0.00	4.00	0.93	0.67	2.63	19.80	-0.08	27.91	4.00
915	9.15	2.98	55.08	-7.57	1.85	2.98	1.85	5.00	2.49	18.02	157.85	2.75	155.10	18.19	1.95	0.00	4.00	0.94	0.67	2.67	18.63	-0.07	26.91	4.00
916	9.16	2.71	55.02	-6.13	2.03	2.71	2.03	4.00	2.55	17.98	158.03	2.84	155.19	16.44	2.16	0.00	4.00	0.97	0.66	2.73	16.66	-0.06	25.17	4.00
917	9.17	2.61	54.83	-6.23	2.10	2.61	2.10	4.00	2.57	17.96	158.21	2.94	155.27	15.78	2.24	0.00	4.00	0.98	0.66	2.76	15.93	-0.06	24.55	4.00
918	9.18	2.39	56.31	-6.33	2.36	2.39	2.36	4.00	2.63	17.96	158.39	3.04	155.35	14.36	2.52	0.00	4.00	1.00	0.65	2.83	14.36	-0.06	22.92	4.00
919	9.19	2.29	58.14	-6.42	2.54	2.29	2.54	4.00	2.67	17.98	158.57	3.14	155.43	13.70	2.73	0.00	4.00	1.00	0.65	2.86	13.70	-0.06	22.07	4.00
920	9.20	2.10	61.77	-6.42	2.94	2.10	2.94	4.00	2.74	18.02	158.75	3.24	155.51	12.47	3.18	0.00	3.00	1.00	0.65	2.93	12.47	-0.06	20.48	2.00
921	9.21	1.99	63.75	-6.42	3.20	1.99	3.21	4.00	2.78	18.03	158.93	3.34	155.59	11.76	3.48	-0.01	3.00	1.00	0.65	2.98	11.76	-0.06	19.61	2.00
922	9.22	1.78	67.57	-6.33	3.79	1.78	3.80	3.00	2.86	18.06	159.11	3.43	155.68	10.40	4.17	-0.01	3.00	1.00	0.65	3.07	10.40	-0.06	17.99	2.00
923	9.23	1.70	69.43	-6.33	4.09	1.70	4.09	3.00	2.90	18.07	159.29	3.53	155.76	9.88	4.51	-0.01	3.00	1.00	0.65	3.10	9.88	-0.06	17.35	2.00
924	9.24	1.61	71.35	-4.22	4.42	1.61	4.43	3.00	2.94	18.08	159.47	3.63	155.84	9.30	4.92	-0.01	3.00	1.00	0.65	3.15	9.30	-0.05	16.67	2.00
925	9.25	1.46	74.16	-4.22	5.09	1.46	5.08	3.00	3.01	18.09	159.65	3.73	155.92	8.33	5.71	-0.01	3.00	1.00	0.65	3.23	8.33	-0.05	15.60	2.00
926	9.26	1.39	75.77	-4.31	5.46	1.39	5.45	3.00	3.04	18.09	159.83	3.83	156.01	7.88	6.16	-0.01	3.00	1.00	0.65	3.27	7.88	-0.05	15.08	2.00
927	9.27	1.22	81.22	-4.50	6.64	1.22	6.66	3.00	3.14	18.12	160.01	3.92	156.09	6.78	7.67	-0.01	3.00	1.00	0.65	3.38	6.78	-0.05	13.75	2.00
928	9.28	1.18	83.08	-4.50	7.04	1.18	7.05	3.00	3.17	18.14	160.20	4.02	156.17	6.52	8.15	-0.01	3.00	1.00	0.65	3.41	6.52	-0.05	13.41	2.00
929	9.29	1.21	85.32	-4.12	7.04	1.21	7.06	3.00	3.16	18.18	160.38	4.12	156.26	6.71	8.14	-0.01	3.00	1.00	0.65	3.39	6.71	-0.05	13.41	2.00
930	9.30	1.50	83.46	-3.07	5.56	1.50	5.57	3.00	3.03	18.23	160.56	4.22	156.34	8.56	6.23	-0.01	3.00	1.00	0.65	3.24	8.56	-0.05	15.05	2.00
931	9.31	1.63	83.59	-2.49	5.11	1.63	5.13	3.00	2.97	18.27	160.74	4.32	156.43	9.39	5.69	0.00	3.00	1.00	0.65	3.18	9.39	-0.04	15.71	2.00
932	9.32	1.64	78.98	-2.01	4.80	1.64	4.82	3.00	2.96	18.20	160.92	4.41	156.51	9.45	5.34	0.00	3.00	1.00	0.65	3.16	9.45	-0.04	16.14	2.00
933	9.33	1.61	75.92	-2.11	4.72	1.61	4.72	3.00	2.96	18.15	161.11	4.51	156.59	9.25	5.24	0.00	3.00	1.00	0.65	3.17	9.25	-0.04	16.25	2.00
934	9.34	1.52	72.77	-2.40	4.78	1.52	4.79	3.00	2.98	18.08	161.29	4.61	156.68	8.67	5.36	-0.01	3.00	1.00	0.65	3.20	8.67	-0.04	16.03	2.00
935	9.35	1.37	63.53	-2.68	4.65	1.37	4.64	3.00	3.01	17.88	161.47	4.71	156.76	7.71	5.26	-0.01	3.00	1.00	0.65	3.23	7.71	-0.05	16.02	2.00
936	9.36	1.30	59.12	-2.88	4.56	1.30	4.55	3.00	3.02	17.78	161.64	4.81	156.84	7.25	5.20	-0.01	3.00	1.00	0.65	3.25	7.25	-0.05	16.02	2.00
937	9.37	1.22	57.32	-3.07	4.69	1.22	4.70	3.00	3.05	17.72	161.82	4.91	156.92	6.74	5.42	-0.01	3.00	1.00	0.65	3.29	6.74	-0.05	15.71	2.00
938	9.38	1.09	55.21	-3.35	5.07	1.09	5.07	3.00	3.11	17.63	162.00	5.00	156.99	5.91	5.95	-0.01	3.00	1.00	0.65	3.36	5.91	-0.05	15.13	2.00
939	9.39	1.04	55.40	-3.45	5.32	1.04	5.33	3.00	3.14	17.62	162.17	5.10	157.07	5.58	6.32	-0.01	3.00	1.00	0.65	3.39	5.58	-0.05	14.80	2.00
940	9.40	0.99	55.65	-3.64	5.60	0.99	5.63	3.00	3.17	17.61	162.35	5.20	157.15	5.26	6.73	-0.01	3.00	1.00	0.64	3.43	5.26	-0.06	14.48	2.00
941	9.41	0.93	54.45	-3.83	5.83	0.93	5.86	3.00	3.20	17.56	162.53	5.30	157.23	4.88	7.10	-0.01	3.00	1.00	0.64	3.47	4.88	-0.06	14.22	2.00
942	9.42	0.91	53.32	-3.74	5.84	0.91	5.86	3.00	3.21	17.53	162.70	5.40	157.30	4.75	7.14	-0.01	3.00	1.00	0.64	3.48	4.75	-0.06	14.19	2.00
943	9.43	0.90	51.33	-3.83	5.72	0.90	5.71	3.00	3.20	17.48	162.88	5.49	157.38	4.68	6.97	-0.01	3.00	1.00	0.64	3.48	4.68	-0.06	14.30	2.00
944	9.44	0.80	49.09	-3.93	6.17	0.80	6.14	3.00	3.26	17.38	163.05	5.59	157.46	4.04	7.72	-0.01	2.00	1.00	0.64	3.56	4.04	-0.06	13.88	2.00
945	9.45	0.79	47.86	-3.93	6.10	0.79	6.06	3.00	3.26	17.35	163.22	5.69	157.53	3.97	7.65	-0.02	2.00	1.00	0.64	3.56	3.97	-0.06	13.92	2.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
946	9.46	0.87	45.34	-3.45	5.24	0.87	5.22	3.00	3.19	17.32	163.40	5.79	157.61	4.48	6.42	-0.01	3.00	1.00	0.64	3.47	4.48	-0.06	14.66	2.00
947	9.47	0.93	43.89	-3.07	4.72	0.93	4.72	3.00	3.14	17.31	163.57	5.89	157.68	4.86	5.73	-0.01	3.00	1.00	0.64	3.42	4.86	-0.06	15.19	2.00
948	9.48	1.00	42.72	-2.78	4.26	1.00	4.27	3.00	3.09	17.31	163.74	5.98	157.76	5.30	5.11	-0.01	3.00	1.00	0.64	3.36	5.30	-0.06	15.76	2.00
949	9.49	1.19	42.91	-2.11	3.62	1.19	3.61	3.00	2.99	17.38	163.92	6.08	157.83	6.50	4.18	-0.01	3.00	1.00	0.64	3.23	6.50	-0.05	16.98	2.00
950	9.50	1.28	42.82	-1.92	3.35	1.28	3.35	3.00	2.94	17.40	164.09	6.18	157.91	7.06	3.84	-0.01	3.00	1.00	0.64	3.18	7.06	-0.05	17.57	2.00
951	9.51	1.50	40.45	-1.73	2.71	1.50	2.70	4.00	2.83	17.40	164.26	6.28	157.99	8.45	3.03	-0.01	3.00	1.00	0.64	3.06	8.45	-0.05	19.30	2.00
952	9.52	1.54	40.01	-1.63	2.59	1.54	2.60	4.00	2.81	17.40	164.44	6.38	158.06	8.70	2.91	-0.01	3.00	1.00	0.64	3.04	8.70	-0.05	19.62	2.00
953	9.53	1.57	36.13	-1.63	2.30	1.57	2.30	4.00	2.78	17.29	164.61	6.47	158.14	8.89	2.57	-0.01	3.00	1.00	0.64	3.00	8.89	-0.05	20.34	2.00
954	9.54	1.59	34.56	-1.53	2.17	1.59	2.17	4.00	2.76	17.24	164.78	6.57	158.21	9.01	2.43	-0.01	3.00	1.00	0.64	2.98	9.01	-0.05	20.69	2.00
955	9.55	1.63	33.74	-1.53	2.06	1.63	2.07	4.00	2.74	17.22	164.96	6.67	158.28	9.25	2.30	-0.01	3.00	1.00	0.64	2.96	9.25	-0.05	21.08	2.00
956	9.56	1.72	32.89	-1.53	1.91	1.72	1.91	4.00	2.70	17.21	165.13	6.77	158.36	9.82	2.12	-0.01	3.00	1.00	0.64	2.92	9.82	-0.05	21.83	2.00
957	9.57	1.73	32.89	-1.44	1.90	1.73	1.90	4.00	2.69	17.22	165.30	6.87	158.43	9.87	2.10	-0.01	3.00	1.00	0.64	2.92	9.87	-0.05	21.90	2.00
958	9.58	1.70	32.26	-1.63	1.89	1.70	1.90	4.00	2.70	17.19	165.47	6.97	158.51	9.68	2.10	-0.01	3.00	1.00	0.64	2.92	9.68	-0.05	21.78	2.00
959	9.59	1.66	32.54	-1.63	1.97	1.66	1.96	4.00	2.72	17.19	165.64	7.06	158.58	9.42	2.18	-0.01	3.00	1.00	0.64	2.94	9.42	-0.05	21.46	2.00
960	9.60	1.60	33.11	-1.82	2.07	1.60	2.07	4.00	2.74	17.19	165.82	7.16	158.65	9.04	2.31	-0.01	3.00	1.00	0.64	2.97	9.04	-0.06	20.95	2.00
961	9.61	1.46	32.63	-2.01	2.23	1.46	2.24	4.00	2.79	17.14	165.99	7.26	158.73	8.15	2.52	-0.01	3.00	1.00	0.64	3.03	8.15	-0.06	20.04	2.00
962	9.62	1.38	30.17	-2.20	2.19	1.38	2.19	4.00	2.81	17.03	166.16	7.36	158.80	7.64	2.49	-0.01	3.00	1.00	0.64	3.05	7.64	-0.06	19.82	2.00
963	9.63	1.22	27.18	-2.68	2.22	1.22	2.23	4.00	2.86	16.86	166.33	7.46	158.87	6.63	2.58	-0.01	3.00	1.00	0.64	3.11	6.63	-0.06	19.09	2.00
964	9.64	1.16	28.19	-2.97	2.42	1.16	2.43	3.00	2.90	16.89	166.49	7.55	158.94	6.25	2.84	-0.01	3.00	1.00	0.64	3.15	6.25	-0.07	18.52	2.00
965	9.65	1.15	30.17	-3.07	2.63	1.15	2.62	3.00	2.92	16.96	166.66	7.65	159.01	6.18	3.07	-0.01	3.00	1.00	0.64	3.18	6.18	-0.07	18.19	2.00
966	9.66	1.37	39.38	-2.01	2.87	1.37	2.88	3.00	2.88	17.33	166.84	7.75	159.09	7.56	3.27	-0.01	3.00	1.00	0.64	3.12	7.56	-0.06	18.53	2.00
967	9.67	1.64	40.45	-1.25	2.46	1.64	2.47	4.00	2.78	17.43	167.01	7.85	159.16	9.25	2.75	-0.01	3.00	1.00	0.64	3.00	9.25	-0.06	20.18	2.00
968	9.68	2.27	39.73	-0.38	1.75	2.27	1.75	4.00	2.58	17.54	167.19	7.95	159.24	13.20	1.89	0.00	4.00	0.99	0.64	2.78	13.27	-0.05	24.48	4.00
969	9.69	2.48	39.70	-0.29	1.60	2.48	1.60	5.00	2.52	17.57	167.36	8.04	159.32	14.52	1.72	0.00	4.00	0.97	0.65	2.72	14.74	-0.05	25.96	4.00
970	9.70	2.65	40.17	-1.63	1.52	2.65	1.52	5.00	2.48	17.61	167.54	8.14	159.40	15.57	1.62	0.00	4.00	0.95	0.65	2.68	15.93	-0.06	27.07	4.00
971	9.71	2.71	40.67	-11.69	1.50	2.71	1.50	5.00	2.47	17.63	167.72	8.24	159.47	15.93	1.60	-0.01	4.00	0.95	0.65	2.67	16.32	-0.12	27.38	4.00
972	9.72	2.83	40.83	-11.79	1.45	2.83	1.44	5.00	2.45	17.65	167.89	8.34	159.55	16.67	1.54	-0.01	4.00	0.94	0.65	2.64	17.17	-0.13	28.20	4.00
973	9.73	3.03	39.19	-11.98	1.29	3.03	1.29	5.00	2.40	17.63	168.07	8.44	159.63	17.91	1.37	-0.01	4.00	0.91	0.66	2.58	18.63	-0.13	29.97	4.00
974	9.74	3.58	36.51	-12.27	1.02	3.58	1.02	5.00	2.28	17.61	168.24	8.53	159.71	21.35	1.07	-0.01	5.00	0.86	0.67	2.46	22.70	-0.13	34.67	6.00
975	9.75	3.83	36.86	-12.56	0.96	3.83	0.96	5.00	2.24	17.65	168.42	8.63	159.79	22.90	1.01	-0.01	5.00	0.85	0.68	2.41	24.53	-0.13	36.46	6.00
976	9.76	4.02	38.43	-12.65	0.96	4.02	0.96	5.00	2.22	17.72	168.60	8.73	159.87	24.07	1.00	-0.01	5.00	0.84	0.68	2.39	25.89	-0.13	37.44	6.00
977	9.77	4.34	39.73	-13.32	0.92	4.34	0.92	5.00	2.19	17.79	168.78	8.83	159.95	26.06	0.95	-0.01	5.00	0.82	0.69	2.35	28.25	-0.14	39.46	6.00
978	9.78	4.49	39.10	-15.05	0.87	4.49	0.87	5.00	2.16	17.78	168.95	8.93	160.03	26.98	0.91	-0.01	5.00	0.81	0.69	2.32	29.38	-0.15	40.76	6.00
979	9.79	4.74	38.02	-6.90	0.80	4.74	0.80	5.00	2.12	17.77	169.13	9.03	160.11	28.54	0.83	0.00	5.00	0.80	0.69	2.28	31.31	-0.10	43.01	6.00
980	9.80	4.84	36.32	-1.44	0.75	4.84	0.75	5.00	2.10	17.72	169.31	9.12	160.19	29.16	0.78	0.00	5.00	0.79	0.70	2.26	32.12	-0.07	44.35	6.00
981	9.81	4.99	33.86	-0.77	0.68	4.99	0.68	6.00	2.07	17.66	169.49	9.22	160.26	30.08	0.70	0.00	5.00	0.77	0.70	2.22	33.35	-0.06	46.40	6.00
982	9.82	5.05	33.07	-0.77	0.66	5.05	0.65	6.00	2.05	17.63	169.66	9.32	160.34	30.44	0.68	0.00	5.00	0.77	0.70	2.21	33.82	-0.06	47.16	6.00
983	9.83	5.10	32.22	-0.77	0.63	5.10	0.63	6.00	2.04	17.61	169.84	9.42	160.42	30.73	0.65	0.00	5.00	0.77	0.70	2.20	34.23	-0.06	47.88	6.00
984	9.84	5.22	30.77	-0.77	0.59	5.22	0.59	6.00	2.02	17.56	170.01	9.52	160.50	31.46	0.61	0.00	5.00	0.76	0.71	2.17	35.20	-0.06	49.43	6.00
985	9.85	5.26	30.36	-0.86	0.58	5.26	0.58	6.00	2.01	17.55	170.19	9.61	160.57	31.70	0.60	0.00	5.00	0.75	0.71	2.16	35.51	-0.07	49.91	6.00
986	9.86	5.31	29.98	-0.77	0.56	5.31	0.56	6.00	2.00	17.54	170.36	9.71	160.65	31.99	0.58	0.00	5.00	0.75	0.71	2.15	35.90	-0.07	50.47	6.00
987	9.87	5.43	29.35	-0.67	0.54	5.43	0.54	6.00	1.98	17.52	170.54	9.81	160.73	32.72	0.56	0.00	5.00	0.74	0.71	2.14	36.84	-0.07	51.73	6.00
988	9.88	5.51	29.10	-0.77	0.53	5.51	0.53	6.00	1.97	17.52	170.71	9.91	160.81	33.20	0.55	0.00	5.00	0.74	0.71	2.12	37.46	-0.07	52.49	6.00
989	9.89	5.65	28.47	-0.67	0.50	5.65	0.50	6.00	1.95	17.50	170.89	10.01	160.88	34.06	0.52	0.00	5.00	0.73	0.71	2.10	38.57	-0.07	53.94	6.00
990	9.90	5.70	27.90	-0.67	0.49	5.70	0.49	6.00	1.95	17.48	171.06	10.10	160.96	34.35	0.50	0.00	5.00	0.73	0.71	2.09	38.97	-0.07	54.62	6.00

Via di Belvedere 11/B 55054 Bozzano - Massarosa (LU) T (+39)328.6122159 C. Fisc & Part. IVA 02589320460 info@geodeep.it

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
991	9.91	5.68	26.39	-0.67	0.46	5.68	0.46	6.00	1.94	17.42	171.24	10.20	161.04	34.21	0.48	0.00	5.00	0.72	0.72	2.08	38.88	-0.07	55.15	6.00
992	9.92	5.68	26.39	-0.67	0.46	5.68	0.46	6.00	1.94	17.42	171.41	10.30	161.11	34.19	0.48	0.00	5.00	0.72	0.71	2.08	38.86	-0.07	55.14	6.00
993	9.93	5.68	26.39	-0.67	0.46	5.68	0.46	6.00	1.94	17.42	171.59	10.40	161.19	34.17	0.48	0.00	5.00	0.72	0.71	2.09	38.84	-0.07	55.12	6.00
994	9.94	5.21	16.52	-0.48	0.32	5.21	0.32	6.00	1.90	16.85	171.76	10.50	161.26	31.24	0.33	0.00	6.00	0.71	0.72	2.05	35.72	-0.07	55.95	6.00
995	9.95	5.16	17.50	-0.38	0.34	5.16	0.34	6.00	1.92	16.91	171.92	10.59	161.33	30.92	0.35	0.00	6.00	0.72	0.72	2.07	35.25	-0.07	54.94	6.00
996	9.96	5.12	19.42	-0.48	0.38	5.12	0.38	6.00	1.94	17.03	172.09	10.69	161.40	30.66	0.39	0.00	5.00	0.73	0.71	2.09	34.81	-0.07	53.56	6.00
997	9.97	5.13	20.46	-0.48	0.40	5.13	0.40	6.00	1.95	17.09	172.27	10.79	161.47	30.70	0.41	0.00	5.00	0.73	0.71	2.10	34.81	-0.07	53.12	6.00
998	9.98	5.28	21.85	-0.38	0.41	5.28	0.41	6.00	1.94	17.17	172.44	10.89	161.55	31.62	0.43	0.00	5.00	0.73	0.71	2.10	35.89	-0.07	53.76	6.00
999	9.99	5.38	22.32	-0.38	0.42	5.38	0.41	6.00	1.94	17.21	172.61	10.99	161.62	32.22	0.43	0.00	5.00	0.73	0.71	2.09	36.63	-0.07	54.41	6.00
1000	10.00	5.50	22.83	-0.29	0.42	5.50	0.42	6.00	1.93	17.24	172.78	11.09	161.70	32.95	0.43	0.00	6.00	0.72	0.71	2.08	37.52	-0.07	55.21	6.00

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
1	0.01	0.00	0.01	0.00	0.00E+000	0.00E+000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	18.00	N/A	N/A	N/A	N/A
2	0.02	0.10	0.01	0.00	0.00E+000	0.00E+000	1.00	0.20	0.00	0.00	0.00	4.15	0.00	0.00	0.00	0.30	0.00	54.42	0.00	0.00	0.00	0.00	0.00	14.45	28.44	0.03	13.73	N/A	N/A	N/A	N/A
3	0.03	0.11	0.01	0.00	0.00E+000	0.00E+000	1.00	0.24	0.00	0.00	0.00	4.39	0.00	0.00	0.00	0.30	0.00	55.98	0.00	0.00	0.00	0.00	0.00	13.72	29.67	0.02	13.73	N/A	N/A	N/A	N/A
4	0.04	0.14	0.01	0.00	0.00E+000	0.00E+000	1.00	0.38	0.00	0.00	0.00	5.10	0.00	0.00	0.00	0.30	0.00	60.36	0.00	0.00	0.00	0.00	0.00	12.05	33.22	0.02	13.73	N/A	N/A	N/A	N/A
5	0.05	1.56	0.03	0.00	0.00E+000	0.00E+000	6.00	21.83	0.00	0.00	0.00	23.93	0.00	0.00	0.00	0.30	0.00	130.75	0.00	0.00	0.00	0.00	0.00	2.88	88.57	0.58	13.73	N/A	N/A	N/A	N/A
6	0.06	1.99	0.03	0.00	0.00E+000	0.00E+000	7.00	27.85	0.00	0.00	0.00	29.91	0.00	0.00	0.00	0.30	0.00	146.16	0.00	0.00	0.00	0.00	0.00	2.77	108.86	0.58	13.73	N/A	N/A	N/A	N/A
7	0.07	2.26	0.03	0.00	0.00E+000	0.00E+000	8.00	31.63	0.00	0.00	0.00	33.75	0.00	0.00	0.00	0.30	0.00	155.27	0.00	0.00	0.00	0.00	0.00	2.74	122.25	0.58	13.73	N/A	N/A	N/A	N/A
8	0.08	2.26	0.03	0.00	0.00E+000	0.00E+000	8.00	31.63	0.00	0.00	0.00	33.75	0.00	0.00	0.00	0.30	0.00	155.27	0.00	0.00	0.00	0.00	0.00	2.74	122.24	0.58	13.73	N/A	N/A	N/A	N/A
9	0.09	2.46	0.00	0.00	0.00E+000	0.00E+000	0.00	2.21	0.00	0.00	0.00	1.63	0.00	0.00	0.00	0.30	0.00	34.08	0.00	0.00	0.00	0.00	0.00	1.00	48.52	0.00	13.73	N/A	N/A	N/A	N/A
10	0.10	2.17	0.00	0.00	0.00E+000	0.00E+000	0.00	1.95	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.30	0.00	32.00	0.00	0.00	0.00	0.00	0.00	1.00	42.79	0.00	13.73	N/A	N/A	N/A	N/A
11	0.11	2.20	1.70	0.00	0.00E+000	0.00E+000	5.00	20.22	0.00	0.00	0.00	15.04	0.00	0.00	0.00	0.30	0.00	103.04	0.00	0.00	0.00	0.00	0.00	1.19	51.72	0.06	13.90	N/A	N/A	N/A	N/A
12	0.12	2.00	6.24	6.00	7.15E-006	1.66E-002	5.00	22.80	34.00	30.30	18.19	18.74	0.00	0.00	0.00	0.30	0.00	109.39	-0.01	0.00	0.00	0.00	0.00	1.32	51.95	0.06	15.36	N/A	N/A	N/A	N/A
13	0.13	1.92	6.15	6.00	6.18E-006	1.42E-002	5.00	22.46	33.00	30.11	17.92	18.42	0.00	0.00	0.00	0.30	0.00	108.59	0.00	0.00	0.00	0.00	0.00	1.34	50.59	0.05	15.33	N/A	N/A	N/A	N/A
14	0.14	1.97	7.47	6.00	5.48E-006	1.32E-002	5.00	23.55	33.00	30.38	18.79	19.61	0.00	0.00	0.00	0.30	0.00	111.19	-0.01	0.00	0.00	0.00	0.00	1.35	52.58	0.06	15.56	N/A	N/A	N/A	N/A
15	0.15	1.98	7.03	6.00	6.01E-006	1.43E-002	5.00	23.28	33.00	30.34	18.58	19.30	0.00	0.00	0.00	0.30	0.00	110.56	-0.01	0.00	0.00	0.00	0.00	1.34	52.32	0.06	15.49	N/A	N/A	N/A	N/A
16	0.16	1.90	9.27	5.00	3.61E-006	9.02E-003	5.00	24.49	33.00	30.50	19.54	20.70	0.00	0.00	0.00	0.30	0.00	113.38	-0.01	0.00	0.00	0.00	0.00	1.43	53.56	0.07	15.80	N/A	N/A	N/A	N/A
17	0.17	1.52	9.40	5.00	1.43E-006	3.09E-003	5.00	21.23	29.00	30.24	18.48	19.50	0.00	0.00	0.00	0.30	0.00	110.28	0.00	0.00	0.00	0.00	0.00	1.72	51.50	0.06	15.73	N/A	N/A	N/A	N/A
18	0.18	1.48	15.76	5.00	5.90E-007	1.24E-003	5.00	20.67	29.00	31.74	21.11	23.10	0.00	0.00	0.00	0.30	0.00	117.86	-0.04	0.00	0.00	0.00	0.00	2.20	64.06	0.16	16.31	N/A	N/A	N/A	N/A
19	0.19	1.40	16.21	5.00	4.46E-007	8.90E-004	5.00	19.55	28.00	31.95	21.00	22.99	0.00	0.00	0.00	0.30	0.00	117.55	-0.04	0.00	0.00	0.00	0.00	2.40	66.07	0.18	16.32	N/A	N/A	N/A	N/A
20	0.20	1.32	22.04	5.00	2.06E-007	3.87E-004	5.00	18.41	27.00	33.26	22.74	25.40	0.00	0.00	0.00	0.30	0.00	122.32	-0.07	0.00	0.00	0.00	0.00	3.08	79.94	0.58	16.65	N/A	N/A	N/A	N/A
21	0.21	1.28	25.29	4.00	1.41E-007	2.56E-004	5.00	17.83	0.00	0.00	0.00	26.58	15.00	84.88	26.96	0.30	7.54	124.58	0.00	1.00	3.52	0.00	84.88	3.49	87.76	0.58	16.80	N/A	N/A	N/A	N/A
22	0.22	1.22	34.02	4.00	6.58E-008	1.14E-004	5.00	16.96	0.00	0.00	0.00	29.57	15.00	80.74	24.32	0.30	7.17	130.17	0.00	1.00	2.49	0.00	80.74	4.47	106.96	0.58	17.12	N/A	N/A	N/A	N/A
23	0.23	1.20	37.68	4.00	5.00E-008	8.49E-005	5.00	16.64	0.00	0.00	0.00	30.70	15.00	79.26	22.70	0.30	7.04	132.21	0.00	1.00	2.21	0.00	79.26	4.88	114.59	0.58	17.23	N/A	N/A	N/A	N/A
24	0.24	1.17	40.11	4.00	3.95E-008	6.53E-005	5.00	16.21	0.00	0.00	0.00	31.30	15.00	77.18	21.06	0.30	6.86	133.27	0.00	1.00	2.02	0.00	77.18	5.26	120.11	0.58	17.29	N/A	N/A	N/A	N/A
25	0.25	1.12	44.17	3.00	2.70E-008	4.26E-005	5.00	15.49	0.00	0.00	0.00	32.24	15.00	73.75	19.21	0.30	6.55	134.87	0.00	1.00	1.75	0.00	73.75	5.91	129.14	0.58	17.39	N/A	N/A	N/A	N/A
26	0.26	1.11	45.69	3.00	2.46E-008	3.85E-005	5.00	15.39	0.00	0.00	0.00	32.66	15.00	73.31	18.27	0.30	6.51	135.60	0.00	1.00	1.68	0.00	73.31	6.08	132.02	0.58	17.42	N/A	N/A	N/A	N/A
27	0.27	1.09	48.65	3.00	2.02E-008	3.12E-005	5.00	15.14	0.00	0.00	0.00	33.41	15.00	72.12	17.22	0.30	6.41	136.89	0.00	1.00	1.56	0.00	72.12	6.45	137.70	0.58	17.49	N/A	N/A	N/A	N/A
28	0.28	1.09	49.82	3.00	1.92E-008	2.96E-005	5.00	15.13	0.00	0.00	0.00	33.74	15.00	72.06	16.52	0.30	6.40	137.47	0.00	1.00	1.52	0.00	72.06	6.55	139.69	0.58	17.52	N/A	N/A	N/A	N/A
29	0.29	1.12	51.93	3.00	1.97E-008	3.12E-005	5.00	15.53	0.00	0.00	0.00	34.57	15.00	73.95	16.29	0.30	6.57	138.92	0.00	1.00	1.50	0.00	73.95	6.49	142.19	0.58	17.57	N/A	N/A	N/A	N/A
30	0.30	1.13	51.84	3.00	2.05E-008	3.27E-005	5.00	15.65	0.00	0.00	0.00	34.61	15.00	74.55	15.81	0.30	6.62	139.00	0.00	1.00	1.51	0.00	74.55	6.42	141.72	0.58	17.57	N/A	N/A	N/A	N/A
31	0.31	1.17	51.96	3.00	2.37E-008	3.91E-005	5.00	16.21	0.00	0.00	0.00	34.94	15.00	77.18	15.78	0.30	6.86	139.60	0.00	1.00	1.56	0.00	77.18	6.15	140.52	0.58	17.59	N/A	N/A	N/A	N/A
32	0.32	1.19	52.09	3.00	2.53E-008	4.26E-005	5.00	16.48	0.00	0.00	0.00	35.13	15.00	78.50	15.49	0.30	6.97	139.93	0.00	1.00	1.58	0.00	78.50	6.03	140.04	0.58	17.60	N/A	N/A	N/A	N/A
33	0.33	1.20	51.77	3.00	2.71E-008	4.61E-005	5.00	16.70	0.00	0.00	0.00	35.14	15.00	79.50	15.17	0.30	7.06	139.97	0.00	1.00	1.61	0.00	79.50	5.90	138.99	0.58	17.60	N/A	N/A	N/A	N/A
34	0.34	1.24	48.11	4.00	3.62E-008	6.38E-005	5.00	17.26	0.00	0.00	0.00	34.34	15.00	82.21	15.18	0.30	7.30	138.64	0.00	1.00	1.79	0.00	82.21	5.40	131.47	0.58	17.53	N/A	N/A	N/A	N/A
35	0.35	1.26	45.50	4.00	4.34E-008	7.76E-005	5.00	17.54	0.00	0.00	0.00	33.67	15.00	83.54	14.94	0.30	7.42	137.50	0.00	1.00	1.93	0.00	83.54	5.11	126.33	0.58	17.47	N/A	N/A	N/A	N/A
36	0.36	1.28	43.39	4.00	5.10E-008	9.26E-005	5.00	17.82	0.00	0.00	0.00	33.13	15.00	84.88	14.72	0.30	7.54	136.59	0.00	1.00	2.05	0.00	84.88	4.85	121.99	0.58	17.42	N/A	N/A	N/A	N/A
37	0.37	1.31	39.54	4.00	6.74E-008	1.25E-004	5.00	18.24	0.00	0.00	0.00	32.04	15.00	86.86	14.62	0.30	7.72	134.71	0.00	1.00	2.31	0.00	86.86	4.44	114.18	0.58	17.32	N/A	N/A	N/A	N/A
38	0.38	1.31	38.50	4.00	7.09E-008	1.32E-004	5.00	18.24	0.00	0.00	0.00	31.69	15.00	86.84	14.21	0.30	7.71	134.09	0.00	1.00	2.37	0.00	86.84	4.37	112.31	0.58	17.29	N/A	N/A	N/A	N/A
39	0.39	1.33	35.88	4.00	8.67E-008	1.64E-004	5.00	18.52	0.00	0.00	0.00	30.89	15.00	88.17	14.03	0.30	7.83	132.68	0.00	1.00	2.58	0.00	88.17	4.09	106.89	0.58	17.22	N/A	N/A	N/A	N/A
40	0.40	1.34	34.21	4.00	9.79E-008	1.86E-004	5.00	18.65	0.00	0.00	0.00	30.35	15.00	88.83	13.76	0.30	7.89	131.71	0.00	1.00	2.73	0.00	88.83	3.93	103.48	0.58	17.16	N/A	N/A	N/A	N/A
41	0.41	1.35	33.39	4.00	1.06E-007	2.03E-004	5.00	18.79	0.00	0.00	0.00	30.11	15.00	89.48	13.50	0.30	7.95	131.28	0.00	1.00	2.81	0.00	89.48	3.84	101.65	0.58	17.14	N/A	N/A	N/A	N/A
42	0.42	1.38	31.75	4.00	1.28E-007	2.50E-004	5.00	19.21	0.00	0.00	0.00	29.66	15.00	91.47	13.45	0.30	8.12	130.49	0.00	1.00	3.03	0.00	91.47	3.61	97.69	0.58	17.09	N/A	N/A	N/A	N/A
43	0.43	1.38	31.31	4.00	1.31E-007	2.56E-004	5.00	19.21	0.00	0.00	0.00	29.49	15.00	91.46	13.12	0.30	8.12	130.18	0.00	1.00	3.07	0.00	91.46	3.58	96.86	0.58	17.07	N/A	N/A	N/A	N/A
44	0.44	1.34	31.62	4.00	1.13E-007	2.15E-004	5.00	18.64	0.00	0.00	0.00	29.39	15.00	88.78	12.43	0.30	7.89	129.95	0.00	1.00	2.95	0.00	88.78	3.75	98.62	0.58	17.07	N/A	N/A	N/A	N/A
45	0.45	1.31	32.60	4.00	9.70E-008	1.80E-004	5.00	18.22	0.00	0.00	0.00	29.59	15.00	86.76	11.87	0.30	7.71	130.29	0.00	1.00	2.79	0.00	86.76	3.95	101.39	0.58	17.10	N/A	N/A	N/A	N/A
46	0.46	1.27	32.98	4.00	8.30E-008	1.49E-004	5.00	17.66	0.00	0.00	0.00	29.49	15.00	84.08	11.24	0.30	7.47	130.08	0.00	1.00	2.68	0.00	84.08	4.15	103.37	0.58	17.10	N/A	N/A	N/A	N/A
47	0.47	1.26	33.17	4.00	7.93E-008	1.42E-004	5.00	17.51	0.00	0.00	0.00	29.50	15.00	83.40	10.90	0.30	7.41	130.08	0.00	1.00	2.64	0.00	83.40	4.21	104.05	0.58	17.10	N/A	N/A	N/A	N/A
48	0.48	1.22	34.65	4.00	6.35E-008	1.10E-004	5.00	16.95	0.00	0.00	0.00	29.79	15.00	80.72	10.32	0.30	7.17	130.57	0.00	1.00	2.45	0.00	80.72	4.53	108.17	0.58	17.14	N/A	N/A	N/A	N/A
49	0.49	1.20	35.60	4.00	5.61E-008	9.54E-005	5.00	16.67	0.00	0.00	0.00	30.00	15.00	79.37	9.93	0.30	7.05	130.94	0.00	1.00	2.34	0.00	79.37	4.71	110.64	0.58	17.17	N/A	N/A	N/A	N/A
50	0.50	1.15	37.68	4.00	4.19E-008	6.81E-005	5.00	15.97	0.00	0.00	0.00	30.39	15.00	76.03	9.31	0.30	6.75	131.59	0.00	1.00	2.12	0.00	76.03	5.16	116.24	0.58	17.22	N/A	N/A	N/A	N/A
51	0.51	1.14	37.33	4.00	4.10E-008	6.61E-005	5.00	15.82	0.00	0.00	0.00	30.20	15.00	75.34	9.03	0.30	6.69	131.24	0.00	1.00	2.12	0.00	75.34	5.20	115.94	0.58	17.20	N/A	N/A	N/A	N/A
52	0.52	1.12	38.25	4.00	3.62E-008	5.73E-005	5.00	15.53	0.00	0.00	0.00	30.37	15.00	73.97	8.69	0.30	6.57	131.53	0.00	1.00	2.03	0.00	73.97	5.40	118.36	0.58	17.22	N/A	N/A	N/A	N/A
53	0.53	1.08	39.00	4.00	2.96E-008	4.51E-005	5.00	14.95	0.00	0.00	0.00	30.33	15.00	71.19	8.20	0.30	6.32	131.41	0.00	1.00	1.92	0.00	71.19	5.75	121.19	0.58	17.23	N/A	N/A	N/A	N/A
54	0.54	1.06	38.37	3.00	2.81E-008	4.19E-005	5.00	14.66	0.00	0.00	0.00	29.98	15.00	69.82	7.88	0.30	6.20	130.74	0.00	1.00	1.91	0.00	69.82	5.84	120.75	0.58	17.20	N/A	N/A	N/A	N/A
55	0.55	1.04	37.96	3.00	2.63E-008	3.85E-005	5.00	14.37	0.00	0.00	0.00	29.70	15.00	68.43	7.58	0.30	6.08	130.20	0.00	1.00	1.89	0.00	68.43	5.96	120.71	0.58	17.18	N/A	N/A	N/A	N/A
56	0.56	1.01	37.65	3.00	2.35E-008	3.34E-005	5.00	13.95	0.00	0.00	0.00	29.38	15.00	66.42	7.22	0.30	5.90	129.58	0.00	1.00	1.85	0.00	66.42	6.16	121.18	0.58	17.16	N/A	N/A	N/A	N/A
57	0.57	0.99	37.24	3.00	2.20E-008	3.06E-005	5.00	13.66	0.00	0.00	0.00	29.09	15.00	65.06	6.94	0.30	5.78	129.03	0.00	1.00	1.83	0.00	65.06	6.29	121.12	0.58	17.14	N/A	N/A	N/A	N/A
58	0.58	0.98	36.83	3.00	2.15E-008	2.96E-005	5.00	13.52	0.00	0.00	0.00	28.89	15.00	64.39	6.75	0.30	5.72	128.63	0.00	1.00	1.84	0.00	64.39	6.33	120.70	0.58	17.13	N/A	N/A	N/A	N/A
59	0.59	0.95	34.87	3.00	2.12E-008	2.83E-005	4.00	13.14	0.00	0.00	0.00	28.04	15.00	62.59	6.44	0.30	5.56	127.01	0.00	1.00	1.88	0.00	62.59	6.36	117.89	0.58	17.05	N/A	N/A	N/A	N/A
60	0.60	0.95	32.63	3.00	2.40E-008	3.21E-005	4.00	13.14	0.00	0.00	0.00	27.28	15.00	62.58	6.33	0.30	5.56	125.56	0.00	1.00	2.01	0.00	62.58	6.13	113.50	0.58	16.98	N/A	N/A	N/A	N/A
61	0.61	0.92	30.30	4.00	2.40E-008	3.12E-005	4.00	12.72	0.00	0.00	0.00	26.25	15.00	60.59	6.03	0.30	5.38	123.52	0.00	1.00	2.10	0.00	60.59	6.12	109.83	0.58	16.88	N/A	N/A	N/A	N/A
62	0.62	0.91	28.85	4.00	2.51E-008	3.22E-005	4.00	12.58	0.00	0.00	0.00	25.66	15.00	59.91	5.86	0.30	5.32	122.34	0.00	1.00	2.18	0.00	59.91	6.04	107.18	0.58	16.82	N/A	N/A	N/A	N/A
63	0.63	0.90	26.20	4.00	2.86E-008	3.63E-005	4.00	12.44	0.00	0.00	0.00	24.61	15.00	59.23	5.70	0.30	5.26	120.23	0.00	1.00	2.37	0.00	59.23	5.81	101.87	0.58	16.70	N/A	N/A	N/A	N/A
64	0.64	0.89	23.81	4.00	3.24E-008	4.06E-005	4.00	12.30	0.00	0.00	0.00	23.62	15.00	58.56	5.55	0.30	5.20	118.19	0.00	1.00	2.58	0.00	58.56	5.59	96.91	0.58	16.59	N/A	N/A	N/A	N/A
65	0.65	0.90	20.87	4.00	4.30E-008	5.46E-005	4.00	12.44	0.00	0.00	0.00	22.49	15.00	59.22	5.53	0.30	5.26	115.84	0.00	1.00	2.98	0.00	59.22	5.12	89.76	0.58	16.44	N/A	N/A	N/A	N/A
66	0.66	0.90	19.61	4.00	4.80E-008	6.08E-005	4.00	12.43	0.00	0.00	0.00	21.95	15.00	59.20	5.44	0.30	5.26	114.70	0.00	1.00	3.17	0.00	59.20	4.95	86.73	0.58	16.37	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
67	0.67	0.90	16.99	4.00	6.14E-008	7.78E-005	4.00	12.43	0.00	0.00	0.00	20.78	15.00	59.20	5.36	0.30	5.26	112.16	0.00	1.00	3.66	0.00	59.20	4.58	80.19	0.58	16.21	N/A	N/A	N/A	N/A
68	0.68	0.91	15.76	4.00	7.30E-008	9.35E-005	4.00	12.57	0.00	0.00	0.00	20.26	15.00	59.85	5.34	0.30	5.32	111.03	0.00	1.00	3.99	0.00	59.85	4.33	76.70	0.44	16.12	N/A	N/A	N/A	N/A
69	0.69	0.96	14.19	4.00	1.09E-007	1.47E-004	4.00	13.27	0.00	0.00	0.00	19.77	15.00	63.17	5.56	0.30	5.61	110.01	0.00	1.00	4.67	0.00	63.17	3.80	71.08	0.28	16.02	N/A	N/A	N/A	N/A
70	0.70	0.99	13.81	4.00	1.30E-007	1.81E-004	4.00	13.68	0.00	0.00	0.00	19.73	15.00	65.16	5.65	0.30	5.79	109.98	0.00	1.00	4.95	0.00	65.16	3.59	69.24	0.24	16.00	N/A	N/A	N/A	N/A
71	0.71	1.04	13.72	4.00	1.61E-007	2.37E-004	4.00	14.38	0.00	0.00	0.00	19.95	15.00	68.48	5.86	0.30	6.08	110.54	0.00	1.00	5.24	0.00	68.48	3.34	67.71	0.21	16.02	N/A	N/A	N/A	N/A
72	0.72	1.08	13.08	5.00	2.04E-007	3.11E-004	4.00	14.94	25.00	31.85	18.49	19.81	0.00	0.00	0.00	0.30	0.00	110.29	-0.04	0.00	0.00	0.00	7.36	3.09	65.08	0.17	15.97	N/A	N/A	N/A	N/A
73	0.73	1.13	11.86	5.00	2.88E-007	4.59E-004	4.00	15.64	25.00	31.38	18.19	19.37	0.00	0.00	0.00	0.30	0.00	109.39	-0.03	0.00	0.00	0.00	7.32	2.76	60.86	0.12	15.88	N/A	N/A	N/A	N/A
74	0.74	1.14	11.70	5.00	3.05E-007	4.90E-004	4.00	15.78	25.00	31.32	18.16	19.32	0.00	0.00	0.00	0.30	0.00	109.30	-0.03	0.00	0.00	0.00	7.40	2.71	60.26	0.12	15.87	N/A	N/A	N/A	N/A
75	0.75	1.15	11.38	5.00	3.30E-007	5.34E-004	4.00	15.91	25.00	31.20	18.06	19.18	0.00	0.00	0.00	0.30	0.00	109.00	-0.03	0.00	0.00	0.00	7.46	2.64	59.26	0.11	15.84	N/A	N/A	N/A	N/A
76	0.76	1.14	11.54	5.00	3.11E-007	5.00E-004	4.00	15.77	25.00	31.27	18.09	19.23	0.00	0.00	0.00	0.30	0.00	109.09	-0.03	0.00	0.00	0.00	7.58	2.69	59.86	0.11	15.85	N/A	N/A	N/A	N/A
77	0.77	1.14	11.57	5.00	3.09E-007	4.97E-004	4.00	15.77	25.00	31.28	18.10	19.25	0.00	0.00	0.00	0.30	0.00	109.13	-0.03	0.00	0.00	0.00	7.68	2.70	59.94	0.11	15.85	N/A	N/A	N/A	N/A
78	0.78	1.15	11.60	5.00	3.19E-007	5.18E-004	4.00	15.91	25.00	31.27	18.15	19.31	0.00	0.00	0.00	0.30	0.00	109.29	-0.03	0.00	0.00	0.00	7.77	2.67	59.83	0.11	15.86	N/A	N/A	N/A	N/A
79	0.79	1.15	11.70	5.00	3.15E-007	5.11E-004	4.00	15.90	25.00	31.30	18.20	19.37	0.00	0.00	0.00	0.30	0.00	109.41	-0.03	0.00	0.00	0.00	7.88	2.68	60.09	0.11	15.87	N/A	N/A	N/A	N/A
80	0.80	1.16	11.89	5.00	3.19E-007	5.21E-004	4.00	16.04	25.00	31.33	18.32	19.52	0.00	0.00	0.00	0.30	0.00	109.78	-0.03	0.00	0.00	0.00	7.98	2.67	60.39	0.12	15.89	N/A	N/A	N/A	N/A
81	0.81	1.17	11.86	5.00	3.31E-007	5.47E-004	4.00	16.18	26.00	31.30	18.34	19.55	0.00	0.00	0.00	0.30	0.00	109.85	-0.03	0.00	0.00	0.00	8.07	2.64	60.14	0.11	15.89	N/A	N/A	N/A	N/A
82	0.82	1.19	12.83	5.00	3.15E-007	5.29E-004	4.00	16.46	26.00	31.53	18.83	20.19	0.00	0.00	0.00	0.30	0.00	111.30	-0.03	0.00	0.00	0.00	8.24	2.68	62.18	0.13	15.99	N/A	N/A	N/A	N/A
83	0.83	1.19	12.83	5.00	3.15E-007	5.28E-004	4.00	16.45	26.00	31.53	18.83	20.19	0.00	0.00	0.00	0.30	0.00	111.30	-0.03	0.00	0.00	0.00	8.34	2.68	62.19	0.13	15.99	N/A	N/A	N/A	N/A
84	0.84	1.19	12.83	5.00	3.15E-007	5.28E-004	4.00	16.45	26.00	31.53	18.83	20.19	0.00	0.00	0.00	0.30	0.00	111.30	-0.03	0.00	0.00	0.00	8.44	2.68	62.19	0.13	15.99	N/A	N/A	N/A	N/A
85	0.85	1.10	10.56	5.00	3.04E-007	4.71E-004	4.00	15.19	25.00	31.06	17.49	18.46	0.00	0.00	0.00	0.30	0.00	107.28	-0.02	0.00	0.00	0.00	8.38	2.71	58.06	0.10	15.74	N/A	N/A	N/A	N/A
86	0.86	1.10	10.56	5.00	3.04E-007	4.71E-004	4.00	15.19	25.00	31.06	17.49	18.46	0.00	0.00	0.00	0.30	0.00	107.27	-0.02	0.00	0.00	0.00	8.47	2.71	58.06	0.10	15.74	N/A	N/A	N/A	N/A
87	0.87	1.10	10.56	5.00	3.04E-007	4.70E-004	4.00	15.19	25.00	31.06	17.49	18.46	0.00	0.00	0.00	0.30	0.00	107.27	-0.02	0.00	0.00	0.00	8.57	2.71	58.07	0.10	15.74	N/A	N/A	N/A	N/A
88	0.88	1.08	8.23	5.00	4.05E-007	6.15E-004	4.00	14.92	25.00	30.30	16.31	16.89	0.00	0.00	0.00	0.30	0.00	103.60	-0.01	0.00	0.00	0.00	8.40	2.47	52.00	0.06	15.44	N/A	N/A	N/A	N/A
89	0.89	1.16	8.58	5.00	5.13E-007	8.39E-004	4.00	16.03	25.00	30.28	16.80	17.48	0.00	0.00	0.00	0.30	0.00	105.12	-0.01	0.00	0.00	0.00	8.49	2.29	51.86	0.06	15.52	N/A	N/A	N/A	N/A
90	0.90	1.20	8.89	5.00	5.62E-007	9.50E-004	4.00	16.59	26.00	30.33	17.10	17.86	0.00	0.00	0.00	0.30	0.00	106.06	-0.01	0.00	0.00	0.00	8.59	2.23	52.19	0.06	15.57	N/A	N/A	N/A	N/A
91	0.91	1.23	10.09	5.00	5.19E-007	9.00E-004	4.00	17.01	26.00	30.67	17.78	18.75	0.00	0.00	0.00	0.30	0.00	108.16	-0.01	0.00	0.00	0.00	8.80	2.29	54.82	0.08	15.73	N/A	N/A	N/A	N/A
92	0.92	1.23	11.60	5.00	4.22E-007	7.32E-004	4.00	17.01	26.00	31.11	18.46	19.67	0.00	0.00	0.00	0.30	0.00	110.20	-0.02	0.00	0.00	0.00	9.06	2.44	58.51	0.10	15.89	N/A	N/A	N/A	N/A
93	0.93	1.20	13.05	5.00	3.17E-007	5.36E-004	4.00	16.59	26.00	31.57	18.95	20.36	0.00	0.00	0.00	0.30	0.00	111.68	-0.03	0.00	0.00	0.00	9.32	2.67	62.55	0.14	16.01	N/A	N/A	N/A	N/A
94	0.94	1.01	17.25	4.00	9.65E-008	1.37E-004	4.00	13.92	0.00	0.00	0.00	21.53	15.00	66.29	4.32	0.30	5.89	113.94	0.00	1.00	4.04	0.00	66.29	3.95	77.61	0.48	16.27	N/A	N/A	N/A	N/A
95	0.95	0.94	18.60	4.00	6.23E-008	8.21E-005	4.00	12.94	0.00	0.00	0.00	21.74	15.00	61.62	3.98	0.30	5.47	114.28	0.00	1.00	3.48	0.00	61.62	4.55	83.09	0.58	16.33	N/A	N/A	N/A	N/A
96	0.96	0.91	20.81	4.00	4.45E-008	5.67E-005	4.00	12.52	0.00	0.00	0.00	22.51	15.00	59.60	3.81	0.30	5.29	115.88	0.00	1.00	3.01	0.00	59.60	5.07	89.42	0.58	16.44	N/A	N/A	N/A	N/A
97	0.97	0.92	21.16	4.00	4.52E-008	5.83E-005	4.00	12.65	0.00	0.00	0.00	22.72	15.00	60.26	3.81	0.30	5.35	116.34	0.00	1.00	2.99	0.00	60.26	5.04	89.93	0.58	16.47	N/A	N/A	N/A	N/A
98	0.98	0.91	23.99	4.00	3.44E-008	4.39E-005	4.00	12.51	0.00	0.00	0.00	23.80	15.00	59.58	3.73	0.30	5.29	118.57	0.00	1.00	2.61	0.00	59.58	5.49	96.79	0.58	16.61	N/A	N/A	N/A	N/A
99	0.99	0.90	24.69	4.00	3.11E-008	3.92E-005	4.00	12.37	0.00	0.00	0.00	24.00	15.00	58.90	3.65	0.30	5.23	118.98	0.00	1.00	2.51	0.00	58.90	5.66	98.71	0.58	16.64	N/A	N/A	N/A	N/A
100	1.00	0.92	26.01	4.00	3.11E-008	4.01E-005	4.00	12.65	0.00	0.00	0.00	24.65	15.00	60.23	3.69	0.30	5.35	120.31	0.00	1.00	2.43	0.00	60.23	5.66	100.95	0.58	16.70	N/A	N/A	N/A	N/A
101	1.01	0.94	26.23	4.00	3.36E-008	4.43E-005	4.00	12.93	0.00	0.00	0.00	24.87	15.00	61.55	3.73	0.30	5.47	120.78	0.00	1.00	2.46	0.00	61.55	5.53	100.75	0.58	16.72	N/A	N/A	N/A	N/A
102	1.02	0.93	26.49	4.00	3.15E-008	4.10E-005	4.00	12.78	0.00	0.00	0.00	24.90	15.00	60.87	3.65	0.30	5.41	120.82	0.00	1.00	2.41	0.00	60.87	5.64	101.66	0.58	16.73	N/A	N/A	N/A	N/A
103	1.03	0.93	26.61	4.00	3.12E-008	4.06E-005	4.00	12.78	0.00	0.00	0.00	24.94	15.00	60.86	3.62	0.30	5.41	120.91	0.00	1.00	2.40	0.00	60.86	5.66	101.92	0.58	16.73	N/A	N/A	N/A	N/A
104	1.04	0.93	26.42	4.00	3.16E-008	4.11E-005	4.00	12.78	0.00	0.00	0.00	24.87	15.00	60.85	3.58	0.30	5.40	120.77	0.00	1.00	2.42	0.00	60.85	5.63	101.52	0.58	16.73	N/A	N/A	N/A	N/A
105	1.05	0.89	25.70	4.00	2.74E-008	3.41E-005	4.00	12.22	0.00	0.00	0.00	24.32	15.00	58.17	3.39	0.30	5.17	119.59	0.00	1.00	2.38	0.00	58.17	5.88	101.32	0.58	16.68	N/A	N/A	N/A	N/A
106	1.06	0.87	24.88	4.00	2.63E-008	3.20E-005	4.00	11.93	0.00	0.00	0.00	23.86	15.00	56.82	3.28	0.30	5.05	118.63	0.00	1.00	2.40	0.00	56.82	5.96	100.19	0.58	16.63	N/A	N/A	N/A	N/A
107	1.07	0.80	22.51	4.00	2.19E-008	2.45E-005	4.00	10.95	0.00	0.00	0.00	22.44	15.00	52.14	2.98	0.30	4.63	115.55	0.00	1.00	2.43	0.00	52.14	6.29	97.18	0.58	16.48	N/A	N/A	N/A	N/A
108	1.08	0.76	21.25	4.00	1.94E-008	2.06E-005	4.00	10.39	0.00	0.00	0.00	21.64	15.00	49.46	2.80	0.30	4.39	113.78	0.00	1.00	2.44	0.00	49.46	6.52	95.56	0.58	16.40	N/A	N/A	N/A	N/A
109	1.09	0.74	19.71	4.00	1.97E-008	2.03E-005	3.00	10.10	0.00	0.00	0.00	20.86	15.00	48.12	2.70	0.30	4.27	112.05	0.00	1.00	2.56	0.00	48.12	6.49	92.50	0.58	16.30	N/A	N/A	N/A	N/A
110	1.10	0.68	17.50	3.00	1.68E-008	1.48E-005	3.00	8.64	0.00	0.00	0.00	19.48	15.00	44.11	2.45	0.30	3.92	108.84	0.00	1.00	2.65	0.00	44.11	6.81	88.90	0.58	16.13	N/A	N/A	N/A	N/A
111	1.11	0.66	16.46	3.00	1.64E-008	1.36E-005	3.00	8.12	0.00	0.00	0.00	18.88	15.00	42.76	2.36	0.30	3.80	107.41	0.00	1.00	2.73	0.00	42.76	6.86	86.82	0.58	16.05	N/A	N/A	N/A	N/A
112	1.12	0.61	13.37	4.00	1.65E-008	1.16E-005	3.00	6.90	0.00	0.00	0.00	17.08	15.00	39.41	2.15	0.30	3.50	103.05	0.00	1.00	3.10	0.00	39.41	6.84	79.82	0.58	15.78	N/A	N/A	N/A	N/A
113	1.13	0.59	11.60	4.00	1.81E-008	1.19E-005	3.00	6.44	0.00	0.00	0.00	16.06	15.00	38.07	2.06	0.30	3.38	100.47	0.00	1.00	3.45	0.00	38.07	6.67	75.13	0.39	15.60	N/A	N/A	N/A	N/A
114	1.14	0.56	10.06	4.00	1.81E-008	1.06E-005	3.00	5.77	0.00	0.00	0.00	15.03	15.00	36.06	1.94	0.30	3.20	97.77	0.00	1.00	3.76	0.00	36.06	6.66	71.14	0.28	15.42	N/A	N/A	N/A	N/A
115	1.15	0.50	8.23	4.00	1.51E-008	7.03E-006	2.00	4.56	0.00	0.00	0.00	13.55	15.00	32.04	1.71	0.30	2.85	93.67	0.00	1.00	4.09	0.00	32.04	7.02	66.63	0.19	15.15	N/A	N/A	N/A	N/A
116	1.16	0.47	7.19	4.00	1.42E-008	5.79E-006	2.00	4.01	0.00	0.00	0.00	12.70	15.00	30.03	1.59	0.30	2.67	91.22	0.00	1.00	4.39	0.00	30.03	7.16	63.64	0.15	14.97	N/A	N/A	N/A	N/A
117	1.17	0.45	6.27	4.00	1.44E-008	5.35E-006	2.00	3.66	0.00	0.00	0.00	11.96	15.00	28.69	1.51	0.30	2.55	89.05	0.00	1.00	4.80	0.00	28.69	7.13	60.57	0.12	14.79	N/A	N/A	N/A	N/A
118	1.18	0.40	4.73	4.00	1.28E-008	3.73E-006	2.00	2.85	0.00	0.00	0.00	10.51	15.00	25.34	1.32	0.30	2.25	84.54	0.00	1.00	5.63	0.00	25.34	7.36	55.24	0.08	14.42	N/A	N/A	N/A	N/A
119	1.19	0.38	4.07	4.00	1.26E-008	3.29E-006	2.00	2.56	0.00	0.00	0.00	9.85	15.00	24.00	1.24	0.30	2.13	82.41	0.00	1.00	6.19	0.00	24.00	7.40	52.60	0.06	14.23	N/A	N/A	N/A	N/A
120	1.20	0.36	2.90	4.00	1.54E-008	3.57E-006	2.00	2.28	0.00	0.00	0.00	8.71	15.00	22.65	1.16	0.30	2.01	78.64	0.00	1.00	8.20	0.00	22.65	6.99	46.87	0.04	13.82	N/A	N/A	N/A	N/A
121	1.21	0.35	2.30	4.00	1.79E-008	3.91E-006	2.00	2.14	0.00	0.00	0.00	8.17	15.00	21.98	1.12	0.30	1.95	76.41	0.00	1.00	10.03	0.00	21.98	6.69	43.50	0.03	13.73	N/A	N/A	N/A	N/A
122	1.22	0.35	1.83	4.00	2.29E-008	5.00E-006	2.00	2.14	0.00	0.00	0.00	7.81	15.00	21.97	1.11	0.30	1.95	74.71	0.00	1.00	12.60	0.00	21.97	6.21	40.41	0.03	13.73	N/A	N/A	N/A	N/A
123	1.23	0.38	1.04	1.00	5.31E-008	1.38E-005	2.00	2.55	0.00	0.00	0.00	7.32	15.00	23.96	1.20	0.30	2.13	72.30	0.00	1.00	24.19	0.00	23.96	4.79	34.00	0.02	13.73	N/A	N/A	N/A	N/A
124	1.24	0.40	0.76	1.00	8.00E-008	2.32E-005	2.00	2.84	0.00	0.00	0.00	7.17	15.00	25.28	1.26	0.30	2.25	71.57	0.00	1.00	34.93	0.00	25.28	4.20	31.46	0.02	13.73	N/A	N/A	N/A	N/A
125	1.25	0.41	0.41	1.00	1.15E-007	3.50E-005	2.00	2.99	0.00	0.00	0.00	6.89	15.00	25.94	1.29	0.30	2.30	70.16	0.00	1.00	66.43	0.00	25.94	3.73	28.68	0.02	13.73	N/A	N/A	N/A	N/A
126	1.26	0.41	0.41	1.00	1.15E-007	3.49E-005	2.00	2.99	0.00	0.00	0.00	6.89	15.00	25.93	1.28	0.30	2.30	70.15	0.00	1.00	66.41	0.00	25.93	3.74	28.68	0.02	13.73	N/A	N/A	N/A	N/A
127	1.27	0.40	0.73	1.00	8.16E-008	2.36E-005	2.00	2.83	0.00	0.00	0.00	7.14	15.00	25.25	1.24	0.30	2.24	71.40	0.00	1.00	36.32	0.00	25.25	4.18	31.22	0.02	13.73	N/A	N/A	N/A	N/A
128	1.28	0.40	0.79	1.00	7.77E-008	2.24E-005	2.00	2.83	0.00	0.00	0.00	7.20	15.00	25.25	1.23	0.30	2.24	71.70	0.00	1.00	33.55	0.00	25.25	4.24	31.71	0.02	13.73	N/A	N/A	N/A	N/A
129	1.29	0.43	1.01	1.00	8.70E-008	2.92E-005	2.00	3.29	0.00	0.00	0.00	7.61	15.00	27.24	1.31	0.30	2.42	73.72	0.00	1.00	28.32	0.00	27.24	4.09	32.98	0.02	13.73	N/A	N/A	N/A	N/A
130	1.30	0.45	1.10	1.00	9.74E-008	3.60E-005	2.00	3.62	0.00	0.00	0.00	7.82	15.00	28.56	1.37	0.30	2.54	74.73	0.00	1.00	27.26	0.00	28.56	3.94	33.33	0.02	13.73	N/A	N/A	N/A	N/A
131	1.31	0.54	1.17	5.00	1.87E-007	1.01E-004	2.00	5.30	17.00	30.00	9.12	8.40	0.00	0.00	0.00	0.30	0.00	77.47	0.06	0.00	0.00	0.00	12.12	3.18	32.52	0.02	13.73	N/A	N/A	N/A	N/A
132	1.32	0.61	1.26	5.00	2.83E-007	1.97E-004	2.00	6.83	18.00	30.00	9.61	8.85	0.00	0.00	0.00	0.30	0.00	79.52	0.06	0.00	0.00	0.00	12.20	2.78	32.24	0.02	13.73	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
133	1.33	0.70	1.39	5.00	4.44E-007	4.11E-004	2.00	9.08	20.00	30.00	10.21	9.40	0.00	0.00	0.00	0.30	0.00	81.96	0.06	0.00	0.00	0.00	12.28	2.40	32.14	0.02	13.73	N/A	N/A	N/A	N/A
134	1.34	0.79	1.61	5.00	6.32E-007	6.93E-004	3.00	10.75	21.00	30.00	10.85	9.99	0.00	0.00	0.00	0.30	0.00	84.48	0.06	0.00	0.00	0.00	12.36	2.15	32.64	0.02	13.73	N/A	N/A	N/A	N/A
135	1.35	0.98	2.11	5.00	1.17E-006	1.60E-003	3.00	13.41	23.00	30.00	12.10	11.23	0.00	0.00	0.00	0.30	0.00	89.24	0.05	0.00	0.00	0.00	12.44	1.81	34.20	0.02	13.84	N/A	N/A	N/A	N/A
136	1.36	1.01	2.71	5.00	1.07E-006	1.51E-003	3.00	13.83	24.00	30.00	12.68	12.03	0.00	0.00	0.00	0.30	0.00	91.35	0.05	0.00	0.00	0.00	12.52	1.85	36.11	0.02	14.14	N/A	N/A	N/A	N/A
137	1.37	0.90	4.41	5.00	4.11E-007	5.14E-004	3.00	12.29	22.00	30.00	13.40	13.17	0.00	0.00	0.00	0.30	0.00	93.90	0.02	0.00	0.00	0.00	12.60	2.46	42.64	0.03	14.65	N/A	N/A	N/A	N/A
138	1.38	0.87	5.45	5.00	2.76E-007	3.34E-004	3.00	11.87	22.00	30.00	13.90	13.88	0.00	0.00	0.00	0.30	0.00	95.64	0.01	0.00	0.00	0.00	12.69	2.80	46.80	0.04	14.88	N/A	N/A	N/A	N/A
139	1.39	0.87	6.65	5.00	2.13E-007	2.57E-004	3.00	11.86	22.00	30.17	14.57	14.77	0.00	0.00	0.00	0.30	0.00	97.92	0.00	0.00	0.00	0.00	12.86	3.05	50.99	0.06	15.11	N/A	N/A	N/A	N/A
140	1.40	0.84	8.04	5.00	1.41E-007	1.64E-004	3.00	11.44	21.00	30.85	15.15	15.56	0.00	0.00	0.00	0.30	0.00	99.82	-0.02	0.00	0.00	0.00	13.31	3.49	56.35	0.08	15.32	N/A	N/A	N/A	N/A
141	1.41	0.82	8.54	4.00	1.16E-007	1.32E-004	3.00	11.16	0.00	0.00	0.00	15.77	15.00	53.14	2.37	0.30	4.72	100.30	0.00	1.00	6.53	0.00	53.14	3.72	58.51	0.10	15.38	N/A	N/A	N/A	N/A
142	1.42	0.82	9.30	4.00	1.02E-007	1.17E-004	3.00	11.16	0.00	0.00	0.00	16.24	15.00	53.13	2.35	0.30	4.72	101.45	0.00	1.00	6.00	0.00	53.13	3.88	60.99	0.12	15.48	N/A	N/A	N/A	N/A
143	1.43	0.81	9.52	4.00	9.38E-008	1.05E-004	3.00	11.01	0.00	0.00	0.00	16.31	15.00	52.45	2.31	0.30	4.66	101.61	0.00	1.00	5.78	0.00	52.45	3.99	61.97	0.13	15.50	N/A	N/A	N/A	N/A
144	1.44	0.79	9.52	4.00	8.42E-008	9.21E-005	3.00	10.73	0.00	0.00	0.00	16.20	15.00	51.11	2.23	0.30	4.54	101.28	0.00	1.00	5.64	0.00	51.11	4.13	62.54	0.14	15.49	N/A	N/A	N/A	N/A
145	1.45	0.74	9.68	4.00	6.20E-008	6.33E-005	3.00	10.03	0.00	0.00	0.00	15.99	15.00	47.76	2.07	0.30	4.24	100.66	0.00	1.00	5.18	0.00	47.76	4.56	64.51	0.16	15.48	N/A	N/A	N/A	N/A
146	1.46	0.72	9.68	4.00	5.50E-008	5.37E-005	3.00	9.57	0.00	0.00	0.00	15.87	15.00	46.42	2.00	0.30	4.12	100.31	0.00	1.00	5.03	0.00	46.42	4.74	65.11	0.17	15.47	N/A	N/A	N/A	N/A
147	1.47	0.71	10.03	4.00	4.90E-008	4.64E-005	3.00	9.29	0.00	0.00	0.00	16.01	15.00	45.74	1.96	0.30	4.06	100.62	0.00	1.00	4.79	0.00	45.74	4.91	66.55	0.19	15.51	N/A	N/A	N/A	N/A
148	1.48	0.71	10.18	4.00	4.78E-008	4.53E-005	3.00	9.29	0.00	0.00	0.00	16.09	15.00	45.73	1.94	0.30	4.06	100.83	0.00	1.00	4.72	0.00	45.73	4.95	67.04	0.20	15.53	N/A	N/A	N/A	N/A
149	1.49	0.71	10.03	4.00	4.89E-008	4.63E-005	3.00	9.28	0.00	0.00	0.00	16.00	15.00	45.72	1.93	0.30	4.06	100.61	0.00	1.00	4.79	0.00	45.72	4.92	66.56	0.19	15.51	N/A	N/A	N/A	N/A
150	1.50	0.71	9.74	4.00	5.11E-008	4.84E-005	3.00	9.28	0.00	0.00	0.00	15.84	15.00	45.71	1.92	0.30	4.06	100.20	0.00	1.00	4.93	0.00	45.71	4.85	65.62	0.18	15.47	N/A	N/A	N/A	N/A
151	1.51	0.72	8.86	4.00	6.26E-008	6.10E-005	3.00	9.55	0.00	0.00	0.00	15.38	15.00	46.36	1.93	0.30	4.12	99.08	0.00	1.00	5.49	0.00	46.36	4.55	62.40	0.14	15.37	N/A	N/A	N/A	N/A
152	1.52	0.71	7.69	4.00	7.27E-008	6.86E-005	3.00	9.27	0.00	0.00	0.00	14.59	15.00	45.68	1.89	0.30	4.06	97.04	0.00	1.00	6.24	0.00	45.68	4.33	58.63	0.10	15.20	N/A	N/A	N/A	N/A
153	1.53	0.72	5.99	4.00	1.09E-007	1.06E-004	3.00	9.54	0.00	0.00	0.00	13.49	15.00	46.34	1.91	0.30	4.12	94.19	0.00	1.00	8.12	0.00	46.34	3.80	52.08	0.06	14.92	N/A	N/A	N/A	N/A
154	1.54	0.72	5.42	5.00	1.25E-007	1.21E-004	3.00	9.53	20.00	30.01	13.16	13.07	0.00	0.00	0.00	0.30	0.00	93.06	0.00	0.00	0.00	0.00	14.11	3.64	49.86	0.05	14.81	N/A	N/A	N/A	N/A
155	1.55	0.73	5.08	5.00	1.44E-007	1.43E-004	3.00	9.81	20.00	30.00	13.01	12.86	0.00	0.00	0.00	0.30	0.00	92.54	0.00	0.00	0.00	0.00	14.19	3.47	48.28	0.05	14.74	N/A	N/A	N/A	N/A
156	1.56	0.73	4.57	5.00	1.64E-007	1.64E-004	3.00	9.80	20.00	30.00	12.71	12.45	0.00	0.00	0.00	0.30	0.00	91.43	0.01	0.00	0.00	0.00	14.28	3.32	46.22	0.04	14.61	N/A	N/A	N/A	N/A
157	1.57	0.73	4.60	5.00	1.62E-007	1.62E-004	3.00	9.80	20.00	30.00	12.72	12.48	0.00	0.00	0.00	0.30	0.00	91.49	0.01	0.00	0.00	0.00	14.36	3.33	46.34	0.04	14.62	N/A	N/A	N/A	N/A
158	1.58	0.73	4.38	5.00	1.72E-007	1.72E-004	3.00	9.79	20.00	30.00	12.58	12.29	0.00	0.00	0.00	0.30	0.00	91.00	0.01	0.00	0.00	0.00	14.44	3.27	45.44	0.04	14.57	N/A	N/A	N/A	N/A
159	1.59	0.73	4.38	5.00	1.72E-007	1.72E-004	3.00	9.79	20.00	30.00	12.58	12.29	0.00	0.00	0.00	0.30	0.00	90.99	0.01	0.00	0.00	0.00	14.53	3.27	45.44	0.04	14.57	N/A	N/A	N/A	N/A
160	1.60	0.73	4.35	5.00	1.73E-007	1.73E-004	3.00	9.78	20.00	30.00	12.56	12.27	0.00	0.00	0.00	0.30	0.00	90.92	0.01	0.00	0.00	0.00	14.61	3.26	45.32	0.04	14.56	N/A	N/A	N/A	N/A
161	1.61	0.75	4.10	5.00	2.08E-007	2.15E-004	3.00	10.13	20.00	30.00	12.50	12.16	0.00	0.00	0.00	0.30	0.00	90.69	0.02	0.00	0.00	0.00	14.70	3.07	43.89	0.03	14.50	N/A	N/A	N/A	N/A
162	1.62	0.76	4.00	5.00	2.26E-007	2.37E-004	3.00	10.27	20.00	30.00	12.48	12.12	0.00	0.00	0.00	0.30	0.00	90.63	0.02	0.00	0.00	0.00	14.78	2.99	43.29	0.03	14.48	N/A	N/A	N/A	N/A
163	1.63	0.77	4.07	5.00	2.33E-007	2.48E-004	3.00	10.41	20.00	30.00	12.58	12.23	0.00	0.00	0.00	0.30	0.00	90.96	0.02	0.00	0.00	0.00	14.86	2.96	43.40	0.03	14.50	N/A	N/A	N/A	N/A
164	1.64	0.80	4.48	5.00	2.44E-007	2.69E-004	3.00	10.83	21.00	30.00	12.98	12.73	0.00	0.00	0.00	0.30	0.00	92.41	0.02	0.00	0.00	0.00	14.95	2.91	44.50	0.04	14.63	N/A	N/A	N/A	N/A
165	1.65	0.81	4.48	5.00	2.56E-007	2.87E-004	3.00	10.97	21.00	30.00	13.02	12.78	0.00	0.00	0.00	0.30	0.00	92.57	0.02	0.00	0.00	0.00	15.03	2.87	44.33	0.04	14.63	N/A	N/A	N/A	N/A
166	1.66	0.83	4.67	5.00	2.70E-007	3.09E-004	3.00	11.25	21.00	30.00	13.23	13.04	0.00	0.00	0.00	0.30	0.00	93.32	0.02	0.00	0.00	0.00	15.12	2.82	44.71	0.04	14.69	N/A	N/A	N/A	N/A
167	1.67	0.85	4.73	5.00	2.93E-007	3.44E-004	3.00	11.52	22.00	30.00	13.36	13.18	0.00	0.00	0.00	0.30	0.00	93.76	0.02	0.00	0.00	0.00	15.20	2.75	44.60	0.04	14.71	N/A	N/A	N/A	N/A
168	1.68	0.91	5.11	5.00	3.53E-007	4.45E-004	3.00	12.36	22.00	30.00	13.86	13.78	0.00	0.00	0.00	0.30	0.00	95.48	0.01	0.00	0.00	0.00	15.29	2.58	45.03	0.04	14.83	N/A	N/A	N/A	N/A
169	1.69	0.97	5.17	5.00	4.52E-007	6.09E-004	3.00	13.20	23.00	30.00	14.15	14.10	0.00	0.00	0.00	0.30	0.00	96.47	0.02	0.00	0.00	0.00	15.37	2.39	44.42	0.04	14.87	N/A	N/A	N/A	N/A
170	1.70	1.03	5.23	5.00	5.71E-007	8.16E-004	4.00	14.04	24.00	30.00	14.43	14.42	0.00	0.00	0.00	0.30	0.00	97.42	0.02	0.00	0.00	0.00	15.46	2.22	43.95	0.03	14.90	N/A	N/A	N/A	N/A
171	1.71	1.18	5.61	5.00	9.15E-007	1.50E-003	4.00	16.14	25.00	30.00	15.22	15.35	0.00	0.00	0.00	0.30	0.00	100.08	0.02	0.00	0.00	0.00	15.55	1.93	43.98	0.03	15.03	N/A	N/A	N/A	N/A
172	1.72	1.27	5.71	5.00	1.21E-006	2.14E-003	4.00	17.39	26.00	30.00	15.60	15.79	0.00	0.00	0.00	0.30	0.00	101.33	0.02	0.00	0.00	0.00	15.63	1.79	43.99	0.03	15.08	N/A	N/A	N/A	N/A
173	1.73	1.39	6.50	5.00	1.49E-006	2.90E-003	4.00	19.07	28.00	30.00	16.47	16.86	0.00	0.00	0.00	0.30	0.00	104.09	0.01	0.00	0.00	0.00	15.72	1.70	45.75	0.04	15.27	N/A	N/A	N/A	N/A
174	1.74	1.42	6.87	5.00	1.52E-006	3.02E-003	4.00	19.49	28.00	30.00	16.77	17.25	0.00	0.00	0.00	0.30	0.00	105.05	0.01	0.00	0.00	0.00	15.81	1.69	46.55	0.04	15.34	N/A	N/A	N/A	N/A
175	1.75	1.46	7.25	5.00	1.59E-006	3.26E-003	5.00	20.05	28.00	30.00	17.11	17.68	0.00	0.00	0.00	0.30	0.00	106.10	0.01	0.00	0.00	0.00	15.90	1.68	47.37	0.04	15.41	N/A	N/A	N/A	N/A
176	1.76	1.58	8.32	5.00	1.85E-006	4.26E-003	5.00	22.63	30.00	30.00	18.05	18.89	0.00	0.00	0.00	0.30	0.00	108.98	0.00	0.00	0.00	0.00	15.99	1.62	49.64	0.05	15.60	N/A	N/A	N/A	N/A
177	1.77	1.63	8.77	5.00	1.96E-006	4.61E-003	5.00	23.11	30.00	30.11	18.44	19.38	0.00	0.00	0.00	0.30	0.00	110.13	0.00	0.00	0.00	0.00	16.15	1.60	50.59	0.05	15.67	N/A	N/A	N/A	N/A
178	1.78	1.74	9.93	5.00	2.17E-006	5.36E-003	5.00	24.24	31.00	30.42	19.34	20.55	0.00	0.00	0.00	0.30	0.00	112.80	-0.01	0.00	0.00	0.00	16.45	1.57	52.92	0.07	15.84	N/A	N/A	N/A	N/A
179	1.79	1.81	10.28	5.00	2.44E-006	6.13E-003	5.00	24.70	32.00	30.54	19.71	21.01	0.00	0.00	0.00	0.30	0.00	113.88	-0.01	0.00	0.00	0.00	16.62	1.53	53.83	0.07	15.90	N/A	N/A	N/A	N/A
180	1.80	1.87	10.50	5.00	2.71E-006	6.91E-003	6.00	25.05	32.00	30.63	19.99	21.36	0.00	0.00	0.00	0.30	0.00	114.67	-0.01	0.00	0.00	0.00	16.77	1.50	54.55	0.07	15.93	N/A	N/A	N/A	N/A
181	1.81	1.95	11.35	5.00	2.89E-006	7.61E-003	6.00	25.83	33.00	30.84	20.61	22.17	0.00	0.00	0.00	0.30	0.00	116.44	-0.02	0.00	0.00	0.00	17.01	1.48	56.26	0.08	16.04	N/A	N/A	N/A	N/A
182	1.82	2.00	12.30	5.00	2.86E-006	7.75E-003	6.00	26.54	33.00	31.03	21.18	22.93	0.00	0.00	0.00	0.30	0.00	118.05	-0.02	0.00	0.00	0.00	17.23	1.49	57.82	0.10	16.14	N/A	N/A	N/A	N/A
183	1.83	2.06	13.37	5.00	2.87E-006	7.99E-003	6.00	27.34	34.00	31.23	21.82	23.77	0.00	0.00	0.00	0.30	0.00	119.81	-0.03	0.00	0.00	0.00	17.47	1.49	59.56	0.11	16.25	N/A	N/A	N/A	N/A
184	1.84	2.06	13.97	5.00	2.69E-006	7.57E-003	6.00	27.67	34.00	31.31	22.08	24.13	0.00	0.00	0.00	0.30	0.00	120.52	-0.03	0.00	0.00	0.00	17.63	1.50	60.25	0.12	16.30	N/A	N/A	N/A	N/A
185	1.85	2.05	15.89	5.00	2.16E-006	6.30E-003	6.00	28.63	34.00	31.57	22.85	25.20	0.00	0.00	0.00	0.30	0.00	122.61	-0.03	0.00	0.00	0.00	17.90	1.57	62.52	0.14	16.44	N/A	N/A	N/A	N/A
186	1.86	2.01	17.91	5.00	1.64E-006	4.64E-003	6.00	27.73	33.00	31.84	23.53	26.16	0.00	0.00	0.00	0.30	0.00	124.42	-0.04	0.00	0.00	0.00	18.20	1.66	65.04	0.17	16.57	N/A	N/A	N/A	N/A
187	1.87	1.98	18.85	5.00	1.42E-006	3.94E-003	6.00	27.30	33.00	31.98	23.80	26.54	0.00	0.00	0.00	0.30	0.00	125.13	-0.04	0.00	0.00	0.00	18.40	1.72	66.34	0.19	16.63	N/A	N/A	N/A	N/A
188	1.88	1.90	20.43	5.00	1.04E-006	2.77E-003	6.00	26.18	32.00	32.24	24.14	27.04	0.00	0.00	0.00	0.30	0.00	126.02	-0.05	0.00	0.00	0.00	18.69	1.87	68.89	0.23	16.70	N/A	N/A	N/A	N/A
189	1.89	1.86	21.31	5.00	8.83E-007	2.31E-003	6.00	25.62	32.00	32.40	24.32	27.32	0.00	0.00	0.00	0.30	0.00	126.50	-0.05	0.00	0.00	0.00	18.91	1.95	70.51	0.27	16.74	N/A	N/A	N/A	N/A
190	1.90	1.77	22.48	5.00	6.51E-007	1.62E-003	6.00	24.36	31.00	32.66	24.44	27.51	0.00	0.00	0.00	0.30	0.00	126.80	-0.06	0.00	0.00	0.00	19.21	2.13	73.25	0.33	16.79	N/A	N/A	N/A	N/A
191	1.91	1.73	22.76	5.00	5.78E-007	1.40E-003	6.00	23.79	31.00	32.75	24.40	27.48	0.00	0.00	0.00	0.30	0.00	126.69	-0.06	0.00	0.00	0.00	19.39	2.21	74.21	0.36	16.79	N/A	N/A	N/A	N/A
192	1.92	1.73	22.76	5.00	5.77E-007	1.40E-003	6.00	23.79	31.00	32.75	24.40	27.48	0.00	0.00	0.00	0.30	0.00	126.69	-0.06	0.00	0.00	0.00	19.49	2.21	74.22	0.36	16.79	N/A	N/A	N/A	N/A
193	1.93	1.73	22.76	5.00	5.77E-007	1.40E-003	6.00	23.79	31.00	32.75	24.40	27.48	0.00	0.00	0.00	0.30	0.00	126.69	-0.06	0.00	0.00	0.00	19.60	2.21	74.22	0.36	16.79	N/A	N/A	N/A	N/A
194	1.94	1.52	19.80	5.00	4.19E-007	8.90E-004	5.00	20.84	29.00	32.53	22.65	25.19	0.00	0.00	0.00	0.30	0.00	122.07	-0.05	0.00	0.00	0.00	19.54	2.45	71.86	0.30	16.58	N/A	N/A	N/A	N/A
195	1.95	1.51	20.08	5.00	3.97E-007	8.39E-004	5.00	20.70	29.00	32.59	22.71	25.28	0.00	0.00	0.00	0.30	0.00	122.23	-0.05	0.00	0.00	0.00	19.70	2.49	72.58	0.32	16.60	N/A	N/A	N/A	N/A
196	1.96	1.50	20.72	5.00	3.66E-007	7.67E-004	5.00	20.56	29.00	32.73	22.89	25.53	0.00	0.00	0.00	0.30	0.00	122.73	-0.06	0.00	0.00	0.00	19.91	2.55	74.01	0.35	16.63	N/A	N/A	N/A	N/A
197	1.97	1.50	21.00	5.00	3.57E-007	7.49E-004	5.00	20.55	29.00	32.78	22.99	25.66	0.00	0.00	0.00	0.30	0.00	122.98	-0.06	0.00	0.00	0.00	20.05	2.57	74.57	0.37	16.65	N/A	N/A	N/A	N/A
198	1.98	1.52	20.53	5.00	3.93E-007	8.35E-004	5.00	20.83	29.00	32.66	22.90	25.53	0.00	0.00	0.00	0.30	0.00	122.74	-0.06	0.00	0.00	0.00	20.07	2.50	73.29	0.33	16.62	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data								Estimations																			
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
199	1.99	1.53	20.18	5.00	4.16E-007	8.90E-004	5.00	20.97	29.00	32.58	22.81	25.41	0.00	0.00	0.00	0.30	0.00	122.51	-0.05	0.00	0.00	0.00	20.11	2.45	72.45	0.31	16.61	N/A	N/A	N/A	N/A
200	2.00	1.60	19.17	5.00	5.50E-007	1.23E-003	5.00	21.95	30.00	32.30	22.70	25.22	0.00	0.00	0.00	0.30	0.00	122.22	-0.05	0.00	0.00	0.00	20.00	2.25	69.48	0.24	16.57	N/A	N/A	N/A	N/A
201	2.01	1.67	18.70	5.00	6.89E-007	1.61E-003	6.00	22.93	30.00	32.13	22.77	25.28	0.00	0.00	0.00	0.30	0.00	122.39	-0.04	0.00	0.00	0.00	19.97	2.10	67.81	0.21	16.55	N/A	N/A	N/A	N/A
202	2.02	1.92	17.63	5.00	1.38E-006	3.71E-003	6.00	26.42	33.00	31.80	23.15	25.68	0.00	0.00	0.00	0.30	0.00	123.42	-0.04	0.00	0.00	0.00	19.82	1.74	64.65	0.16	16.54	N/A	N/A	N/A	N/A
203	2.03	2.01	17.50	5.00	1.69E-006	4.78E-003	6.00	27.68	33.00	31.78	23.36	25.93	0.00	0.00	0.00	0.30	0.00	123.98	-0.04	0.00	0.00	0.00	19.91	1.65	64.48	0.16	16.55	N/A	N/A	N/A	N/A
204	2.04	2.09	17.59	5.00	1.98E-006	5.98E-003	6.00	29.61	34.00	31.82	23.62	26.25	0.00	0.00	0.00	0.30	0.00	124.67	-0.04	0.00	0.00	0.00	20.04	1.60	64.80	0.17	16.57	N/A	N/A	N/A	N/A
205	2.05	2.25	18.22	5.00	2.56E-006	7.96E-003	7.00	30.46	35.00	31.98	24.30	27.12	0.00	0.00	0.00	0.30	0.00	126.45	-0.04	0.00	0.00	0.00	20.27	1.52	66.34	0.19	16.64	N/A	N/A	N/A	N/A
206	2.06	2.31	18.82	5.00	2.72E-006	8.58E-003	7.00	30.95	36.00	32.09	24.69	27.63	0.00	0.00	0.00	0.30	0.00	127.46	-0.04	0.00	0.00	0.00	20.46	1.50	67.40	0.21	16.68	N/A	N/A	N/A	N/A
207	2.07	2.39	19.80	5.00	2.90E-006	9.35E-003	7.00	31.67	36.00	32.25	25.27	28.40	0.00	0.00	0.00	0.30	0.00	128.95	-0.05	0.00	0.00	0.00	20.69	1.48	68.99	0.23	16.76	N/A	N/A	N/A	N/A
208	2.08	2.40	20.62	5.00	2.76E-006	9.02E-003	7.00	32.09	37.00	32.33	25.60	28.86	0.00	0.00	0.00	0.30	0.00	129.79	-0.05	0.00	0.00	0.00	20.87	1.50	69.88	0.25	16.80	N/A	N/A	N/A	N/A
209	2.09	2.37	22.07	5.00	2.33E-006	7.77E-003	7.00	32.65	36.00	32.46	26.05	29.49	0.00	0.00	0.00	0.30	0.00	130.92	-0.05	0.00	0.00	0.00	21.08	1.54	71.19	0.28	16.88	N/A	N/A	N/A	N/A
210	2.10	2.33	22.70	5.00	2.07E-006	6.91E-003	7.00	32.80	36.00	32.51	26.17	29.67	0.00	0.00	0.00	0.30	0.00	131.22	-0.05	0.00	0.00	0.00	21.23	1.58	71.69	0.29	16.90	N/A	N/A	N/A	N/A
211	2.11	2.26	24.31	5.00	1.61E-006	5.13E-003	7.00	31.16	35.00	32.67	26.53	30.20	0.00	0.00	0.00	0.30	0.00	132.13	-0.06	0.00	0.00	0.00	21.47	1.67	73.41	0.34	16.97	N/A	N/A	N/A	N/A
212	2.12	2.25	25.35	5.00	1.47E-006	4.65E-003	7.00	31.02	35.00	32.79	26.86	30.65	0.00	0.00	0.00	0.30	0.00	132.93	-0.06	0.00	0.00	0.00	21.68	1.71	74.68	0.38	17.02	N/A	N/A	N/A	N/A
213	2.13	2.27	26.45	5.00	1.42E-006	4.53E-003	7.00	31.30	36.00	32.91	27.28	31.23	0.00	0.00	0.00	0.30	0.00	133.96	-0.06	0.00	0.00	0.00	21.89	1.72	76.02	0.42	17.07	N/A	N/A	N/A	N/A
214	2.14	2.30	27.05	5.00	1.44E-006	4.67E-003	7.00	31.72	36.00	32.98	27.56	31.60	0.00	0.00	0.00	0.30	0.00	134.65	-0.06	0.00	0.00	0.00	22.05	1.72	76.72	0.44	17.10	N/A	N/A	N/A	N/A
215	2.15	2.36	28.28	5.00	1.49E-006	4.94E-003	7.00	32.56	36.00	33.10	28.12	32.37	0.00	0.00	0.00	0.30	0.00	136.02	-0.06	0.00	0.00	0.00	22.27	1.70	78.15	0.50	17.16	N/A	N/A	N/A	N/A
216	2.16	2.38	29.20	5.00	1.46E-006	4.88E-003	7.00	32.83	36.00	33.20	28.47	32.85	0.00	0.00	0.00	0.30	0.00	136.86	-0.07	0.00	0.00	0.00	22.46	1.71	79.22	0.55	17.20	N/A	N/A	N/A	N/A
217	2.17	2.40	29.92	5.00	1.45E-006	4.88E-003	8.00	33.11	37.00	33.27	28.75	33.23	0.00	0.00	0.00	0.30	0.00	137.54	-0.07	0.00	0.00	0.00	22.64	1.71	80.04	0.59	17.23	N/A	N/A	N/A	N/A
218	2.18	2.40	30.24	5.00	1.42E-006	4.79E-003	8.00	33.11	37.00	33.30	28.85	33.37	0.00	0.00	0.00	0.30	0.00	137.78	-0.07	0.00	0.00	0.00	22.78	1.72	80.41	0.60	17.25	N/A	N/A	N/A	N/A
219	2.19	2.34	30.27	5.00	1.27E-006	4.18E-003	7.00	32.27	36.00	33.31	28.69	33.17	0.00	0.00	0.00	0.30	0.00	137.39	-0.07	0.00	0.00	0.00	22.90	1.77	80.57	0.61	17.24	N/A	N/A	N/A	N/A
220	2.20	2.32	30.39	5.00	1.21E-006	3.96E-003	7.00	31.98	36.00	33.33	28.67	33.14	0.00	0.00	0.00	0.30	0.00	137.34	-0.07	0.00	0.00	0.00	23.03	1.79	80.78	0.62	17.24	N/A	N/A	N/A	N/A
221	2.21	2.29	30.36	5.00	1.15E-006	3.70E-003	7.00	31.56	36.00	33.34	28.57	33.02	0.00	0.00	0.00	0.30	0.00	137.11	-0.07	0.00	0.00	0.00	23.15	1.82	80.86	0.63	17.23	N/A	N/A	N/A	N/A
222	2.22	2.23	30.02	5.00	1.05E-006	3.27E-003	7.00	30.72	35.00	33.33	28.29	32.65	0.00	0.00	0.00	0.30	0.00	136.43	-0.07	0.00	0.00	0.00	23.25	1.86	80.71	0.62	17.21	N/A	N/A	N/A	N/A
223	2.23	2.19	29.83	5.00	9.78E-007	3.01E-003	7.00	30.16	35.00	33.32	28.11	32.42	0.00	0.00	0.00	0.30	0.00	136.00	-0.07	0.00	0.00	0.00	23.37	1.90	80.69	0.62	17.19	N/A	N/A	N/A	N/A
224	2.24	2.11	29.54	5.00	8.47E-007	2.51E-003	7.00	29.03	34.00	33.34	27.78	31.98	0.00	0.00	0.00	0.30	0.00	135.19	-0.07	0.00	0.00	0.00	23.49	1.98	80.87	0.63	17.17	N/A	N/A	N/A	N/A
225	2.25	2.09	29.23	5.00	8.28E-007	2.43E-003	7.00	28.75	34.00	33.32	27.62	31.77	0.00	0.00	0.00	0.30	0.00	134.80	-0.07	0.00	0.00	0.00	23.58	1.99	80.60	0.61	17.15	N/A	N/A	N/A	N/A
226	2.26	2.08	29.04	5.00	8.20E-007	2.39E-003	7.00	28.61	34.00	33.30	27.53	31.65	0.00	0.00	0.00	0.30	0.00	134.58	-0.07	0.00	0.00	0.00	23.68	1.99	80.41	0.60	17.14	N/A	N/A	N/A	N/A
227	2.27	2.05	28.66	5.00	7.89E-007	2.27E-003	7.00	28.19	34.00	33.28	27.32	31.37	0.00	0.00	0.00	0.30	0.00	134.06	-0.07	0.00	0.00	0.00	23.77	2.02	80.13	0.59	17.12	N/A	N/A	N/A	N/A
228	2.28	2.04	28.60	5.00	7.75E-007	2.21E-003	7.00	28.04	34.00	33.28	27.27	31.30	0.00	0.00	0.00	0.30	0.00	133.94	-0.07	0.00	0.00	0.00	23.89	2.03	80.14	0.59	17.12	N/A	N/A	N/A	N/A
229	2.29	2.04	28.38	5.00	7.85E-007	2.24E-003	7.00	28.04	34.00	33.25	27.20	31.21	0.00	0.00	0.00	0.30	0.00	133.77	-0.07	0.00	0.00	0.00	23.97	2.02	79.82	0.58	17.11	N/A	N/A	N/A	N/A
230	2.30	2.03	28.35	5.00	7.70E-007	2.19E-003	7.00	27.90	34.00	33.25	27.16	31.16	0.00	0.00	0.00	0.30	0.00	133.67	-0.07	0.00	0.00	0.00	24.09	2.03	79.87	0.58	17.11	N/A	N/A	N/A	N/A
231	2.31	2.01	27.68	5.00	7.70E-007	2.17E-003	7.00	27.62	33.00	33.18	26.88	30.79	0.00	0.00	0.00	0.30	0.00	132.99	-0.07	0.00	0.00	0.00	24.14	2.03	79.07	0.54	17.08	N/A	N/A	N/A	N/A
232	2.32	2.00	27.34	5.00	7.70E-007	2.16E-003	7.00	27.47	33.00	33.15	26.74	30.60	0.00	0.00	0.00	0.30	0.00	132.65	-0.07	0.00	0.00	0.00	24.22	2.03	78.65	0.52	17.06	N/A	N/A	N/A	N/A
233	2.33	2.00	26.55	5.00	8.11E-007	2.27E-003	7.00	27.47	33.00	33.04	26.49	30.25	0.00	0.00	0.00	0.30	0.00	132.02	-0.06	0.00	0.00	0.00	24.23	2.00	77.48	0.47	17.03	N/A	N/A	N/A	N/A
234	2.34	2.01	26.39	5.00	8.37E-007	2.36E-003	7.00	27.61	33.00	33.02	26.47	30.22	0.00	0.00	0.00	0.30	0.00	131.97	-0.06	0.00	0.00	0.00	24.32	1.98	77.16	0.46	17.02	N/A	N/A	N/A	N/A
235	2.35	2.03	25.70	5.00	9.15E-007	2.60E-003	7.00	27.89	34.00	32.91	26.31	29.99	0.00	0.00	0.00	0.30	0.00	131.57	-0.06	0.00	0.00	0.00	24.33	1.93	76.00	0.42	16.99	N/A	N/A	N/A	N/A
236	2.36	2.04	25.32	5.00	9.59E-007	2.74E-003	7.00	28.02	34.00	32.86	26.21	29.85	0.00	0.00	0.00	0.30	0.00	131.33	-0.06	0.00	0.00	0.00	24.39	1.91	75.38	0.40	16.98	N/A	N/A	N/A	N/A
237	2.37	2.03	24.44	5.00	9.98E-007	2.84E-003	7.00	27.88	34.00	32.75	25.89	29.41	0.00	0.00	0.00	0.30	0.00	130.52	-0.06	0.00	0.00	0.00	24.39	1.89	74.18	0.36	16.94	N/A	N/A	N/A	N/A
238	2.38	2.02	24.47	5.00	9.75E-007	2.76E-003	7.00	27.74	33.00	32.75	25.87	29.39	0.00	0.00	0.00	0.30	0.00	130.47	-0.06	0.00	0.00	0.00	24.51	1.90	74.28	0.36	16.94	N/A	N/A	N/A	N/A
239	2.39	1.95	24.53	5.00	8.33E-007	2.27E-003	6.00	26.76	33.00	32.81	25.67	29.14	0.00	0.00	0.00	0.30	0.00	129.97	-0.06	0.00	0.00	0.00	24.67	1.98	74.87	0.38	16.92	N/A	N/A	N/A	N/A
240	2.40	1.93	24.56	5.00	7.95E-007	2.15E-003	6.00	26.48	33.00	32.83	25.62	29.08	0.00	0.00	0.00	0.30	0.00	129.83	-0.06	0.00	0.00	0.00	24.80	2.01	75.09	0.39	16.92	N/A	N/A	N/A	N/A
241	2.41	1.92	24.47	5.00	7.82E-007	2.10E-003	6.00	26.33	33.00	32.82	25.56	29.00	0.00	0.00	0.00	0.30	0.00	129.68	-0.06	0.00	0.00	0.00	24.90	2.02	75.04	0.39	16.92	N/A	N/A	N/A	N/A
242	2.42	1.91	24.12	5.00	7.84E-007	2.09E-003	6.00	26.19	32.00	32.78	25.41	28.80	0.00	0.00	0.00	0.30	0.00	129.30	-0.06	0.00	0.00	0.00	24.97	2.02	74.59	0.37	16.90	N/A	N/A	N/A	N/A
243	2.43	1.92	23.99	5.00	8.09E-007	2.17E-003	6.00	26.33	33.00	32.76	25.40	28.78	0.00	0.00	0.00	0.30	0.00	129.27	-0.06	0.00	0.00	0.00	25.06	2.00	74.30	0.36	16.89	N/A	N/A	N/A	N/A
244	2.44	1.95	24.44	5.00	8.37E-007	2.28E-003	6.00	26.75	33.00	32.80	25.64	29.10	0.00	0.00	0.00	0.30	0.00	129.89	-0.06	0.00	0.00	0.00	25.20	1.98	74.74	0.38	16.92	N/A	N/A	N/A	N/A
245	2.45	1.98	24.59	5.00	8.84E-007	2.45E-003	7.00	27.16	33.00	32.80	25.78	29.28	0.00	0.00	0.00	0.30	0.00	130.25	-0.06	0.00	0.00	0.00	25.31	1.95	74.74	0.38	16.93	N/A	N/A	N/A	N/A
246	2.46	2.01	24.91	5.00	9.22E-007	2.59E-003	7.00	27.58	33.00	32.82	25.98	29.54	0.00	0.00	0.00	0.30	0.00	130.75	-0.06	0.00	0.00	0.00	25.45	1.93	75.00	0.39	16.95	N/A	N/A	N/A	N/A
247	2.47	2.05	25.22	5.00	9.83E-007	2.82E-003	7.00	28.14	34.00	32.84	26.21	29.84	0.00	0.00	0.00	0.30	0.00	131.31	-0.06	0.00	0.00	0.00	25.57	1.90	75.19	0.39	16.98	N/A	N/A	N/A	N/A
248	2.48	2.12	25.38	5.00	1.11E-006	3.29E-003	7.00	29.12	34.00	32.81	26.54	30.25	0.00	0.00	0.00	0.30	0.00	132.14	-0.06	0.00	0.00	0.00	25.66	1.84	74.91	0.38	17.00	N/A	N/A	N/A	N/A
249	2.49	2.15	25.73	5.00	1.14E-006	3.42E-003	7.00	29.53	34.00	32.83	26.79	30.58	0.00	0.00	0.00	0.30	0.00	132.77	-0.06	0.00	0.00	0.00	25.79	1.82	75.15	0.39	17.02	N/A	N/A	N/A	N/A
250	2.50	2.18	25.29	5.00	1.22E-006	3.73E-003	7.00	29.95	34.00	32.75	26.82	30.58	0.00	0.00	0.00	0.30	0.00	132.83	-0.06	0.00	0.00	0.00	25.82	1.79	74.28	0.36	17.00	N/A	N/A	N/A	N/A
251	2.51	2.21	25.29	5.00	1.28E-006	3.96E-003	7.00	30.37	35.00	32.73	26.97	30.76	0.00	0.00	0.00	0.30	0.00	133.20	-0.06	0.00	0.00	0.00	25.91	1.77	74.06	0.36	17.01	N/A	N/A	N/A	N/A
252	2.52	2.23	25.67	5.00	1.29E-006	4.02E-003	7.00	30.65	35.00	32.77	27.19	31.05	0.00	0.00	0.00	0.30	0.00	133.75	-0.06	0.00	0.00	0.00	26.05	1.77	74.41	0.37	17.03	N/A	N/A	N/A	N/A
253	2.53	2.23	25.85	5.00	1.26E-006	3.94E-003	7.00	30.65	35.00	32.78	27.27	31.16	0.00	0.00	0.00	0.30	0.00	133.96	-0.06	0.00	0.00	0.00	26.18	1.77	74.58	0.37	17.04	N/A	N/A	N/A	N/A
254	2.54	2.20	26.36	5.00	1.15E-006	3.56E-003	7.00	30.22	34.00	32.86	27.34	31.27	0.00	0.00	0.00	0.30	0.00	134.11	-0.06	0.00	0.00	0.00	26.36	1.81	75.38	0.40	17.05	N/A	N/A	N/A	N/A
255	2.55	2.18	26.74	5.00	1.08E-006	3.30E-003	7.00	29.94	34.00	32.91	27.40	31.36	0.00	0.00	0.00	0.30	0.00	134.27	-0.06	0.00	0.00	0.00	26.52	1.85	75.97	0.42	17.07	N/A	N/A	N/A	N/A
256	2.56	2.14	27.27	5.00	9.71E-007	2.91E-003	7.00	29.38	34.00	33.00	27.42	31.42	0.00	0.00	0.00	0.30	0.00	134.32	-0.06	0.00	0.00	0.00	26.73	1.90	76.97	0.45	17.08	N/A	N/A	N/A	N/A
257	2.57	2.11	27.05	5.00	9.25E-007	2.73E-003	7.00	28.96	34.00	32.99	27.27	31.21	0.00	0.00	0.00	0.30	0.00	133.94	-0.06	0.00	0.00	0.00	26.82	1.93	76.84	0.45	17.07	N/A	N/A	N/A	N/A
258	2.58	2.09	26.93	5.00	8.91E-007	2.60E-003	7.00	28.67	34.00	32.98	27.18	31.10	0.00	0.00	0.00	0.30	0.00	133.73	-0.06	0.00	0.00	0.00	26.93	1.95	76.78	0.45	17.06	N/A	N/A	N/A	N/A
259	2.59	2.04	26.74	5.00	8.15E-007	2.32E-003	7.00	27.97	33.00	33.00	26.95	30.80	0.00	0.00	0.00	0.30	0.00	133.15	-0.06	0.00	0.00	0.00	27.05	2.00	76.93	0.45	17.04	N/A	N/A	N/A	N/A
260	2.60	2.01	26.11	5.00	7.94E-007	2.23E-003	7.00	27.55	33.00	32.93	26.67	30.42	0.00	0.00	0.00	0.30	0.00	132.46	-0.06	0.00	0.00	0.00	27.10	2.01	76.22	0.43	17.01	N/A	N/A	N/A	N/A
261	2.61	1.97	26.01	5.00	7.33E-007	2.02E-003	7.00	26.99	33.00	32.95	26.50	30.21	0.00	0.00	0.00	0.30	0.00	132.04	-0.06	0.00	0.00	0.00	27.23	2.06	76.45	0.43	17.00	N/A	N/A	N/A	N/A
262	2.62	1.95	25.89	5.00	7.05E-007	1.92E-003	7.00	26.70	32.00	32.95	26.41	30.09	0.00	0.00	0.00	0.30	0.00	131.81	-0.06	0.00	0.00	0.00	27.34	2.08	76.45	0.43	16.99	N/A	N/A	N/A	N/A
263	2.63	1.95	25.57	5.00	7.14E-007	1.94E-003	7.00	26.70	32.00	32.90	26.34	29.99	0.00	0.00	0.00	0.30	0.00	131.66	-0.06	0.00	0.00	0.00	27.40	2.08	75.89	0.41	16.97	N/A	N/A	N/A	N/A
264	2.64	1.93	25.35	5.00	6.91E-007	1.86E-003	6.00	26.42	32.00	32.89	26.22	29.83	0.00	0.00	0.00	0.30	0.00	131.35	-0.06	0.00	0.00	0.00	27.49	2.10	75.72	0.41	16.96	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
265	2.65	1.92	25.35	5.00	6.72E-007	1.80E-003	6.00	26.28	32.00	32.89	26.21	29.81	0.00	0.00	0.00	0.30	0.00	131.32	-0.06	0.00	0.00	0.00	27.61	2.11	75.80	0.41	16.96	N/A	N/A	N/A	N/A
266	2.66	1.91	25.16	5.00	6.62E-007	1.76E-003	6.00	26.13	32.00	32.87	26.14	29.71	0.00	0.00	0.00	0.30	0.00	131.15	-0.06	0.00	0.00	0.00	27.69	2.12	75.56	0.40	16.95	N/A	N/A	N/A	N/A
267	2.67	1.92	24.88	5.00	6.83E-007	1.83E-003	6.00	26.27	32.00	32.82	26.13	29.68	0.00	0.00	0.00	0.30	0.00	131.12	-0.06	0.00	0.00	0.00	27.74	2.10	74.94	0.38	16.94	N/A	N/A	N/A	N/A
268	2.68	1.93	24.09	5.00	7.28E-007	1.96E-003	6.00	26.41	32.00	32.68	25.97	29.43	0.00	0.00	0.00	0.30	0.00	130.71	-0.06	0.00	0.00	0.00	27.71	2.06	73.50	0.34	16.90	N/A	N/A	N/A	N/A
269	2.69	1.93	23.58	5.00	7.47E-007	2.01E-003	6.00	26.41	32.00	32.60	25.84	29.25	0.00	0.00	0.00	0.30	0.00	130.39	-0.05	0.00	0.00	0.00	27.73	2.05	72.63	0.32	16.88	N/A	N/A	N/A	N/A
270	2.70	1.94	23.33	5.00	7.70E-007	2.08E-003	6.00	26.54	32.00	32.55	25.84	29.22	0.00	0.00	0.00	0.30	0.00	130.38	-0.05	0.00	0.00	0.00	27.78	2.03	72.08	0.30	16.87	N/A	N/A	N/A	N/A
271	2.71	1.93	22.80	5.00	7.77E-007	2.09E-003	6.00	26.40	32.00	32.47	25.66	28.97	0.00	0.00	0.00	0.30	0.00	129.93	-0.05	0.00	0.00	0.00	27.81	2.03	71.29	0.28	16.84	N/A	N/A	N/A	N/A
272	2.72	1.93	22.54	5.00	7.85E-007	2.11E-003	6.00	26.40	32.00	32.43	25.61	28.89	0.00	0.00	0.00	0.30	0.00	129.80	-0.05	0.00	0.00	0.00	27.87	2.02	70.82	0.27	16.82	N/A	N/A	N/A	N/A
273	2.73	1.92	22.26	5.00	7.79E-007	2.09E-003	6.00	26.26	32.00	32.39	25.50	28.75	0.00	0.00	0.00	0.30	0.00	129.54	-0.05	0.00	0.00	0.00	27.93	2.02	70.43	0.26	16.81	N/A	N/A	N/A	N/A
274	2.74	1.91	22.23	5.00	7.60E-007	2.02E-003	6.00	26.11	31.00	32.39	25.48	28.72	0.00	0.00	0.00	0.30	0.00	129.48	-0.05	0.00	0.00	0.00	28.04	2.04	70.44	0.26	16.80	N/A	N/A	N/A	N/A
275	2.75	1.91	22.20	5.00	7.55E-007	2.01E-003	6.00	26.11	31.00	32.38	25.51	28.75	0.00	0.00	0.00	0.30	0.00	129.55	-0.05	0.00	0.00	0.00	28.14	2.04	70.32	0.26	16.80	N/A	N/A	N/A	N/A
276	2.76	1.92	22.01	5.00	7.75E-007	2.07E-003	6.00	26.25	31.00	32.33	25.52	28.75	0.00	0.00	0.00	0.30	0.00	129.58	-0.05	0.00	0.00	0.00	28.19	2.03	69.87	0.25	16.79	N/A	N/A	N/A	N/A
277	2.77	1.93	22.35	5.00	7.67E-007	2.06E-003	6.00	26.39	31.00	32.37	25.70	28.98	0.00	0.00	0.00	0.30	0.00	130.04	-0.05	0.00	0.00	0.00	28.34	2.03	70.27	0.26	16.81	N/A	N/A	N/A	N/A
278	2.78	1.94	22.45	5.00	7.72E-007	2.09E-003	6.00	26.53	31.00	32.37	25.80	29.11	0.00	0.00	0.00	0.30	0.00	130.30	-0.05	0.00	0.00	0.00	28.45	2.03	70.29	0.26	16.82	N/A	N/A	N/A	N/A
279	2.79	1.97	23.11	5.00	7.79E-007	2.14E-003	7.00	26.94	32.00	32.44	26.17	29.59	0.00	0.00	0.00	0.30	0.00	131.21	-0.05	0.00	0.00	0.00	28.63	2.02	70.99	0.28	16.86	N/A	N/A	N/A	N/A
280	2.80	1.97	23.33	5.00	7.63E-007	2.10E-003	7.00	26.94	32.00	32.47	26.27	29.72	0.00	0.00	0.00	0.30	0.00	131.46	-0.05	0.00	0.00	0.00	28.77	2.04	71.29	0.28	16.87	N/A	N/A	N/A	N/A
281	2.81	1.97	24.09	5.00	7.21E-007	1.98E-003	7.00	26.94	32.00	32.58	26.53	30.09	0.00	0.00	0.00	0.30	0.00	132.12	-0.05	0.00	0.00	0.00	29.00	2.07	72.43	0.31	16.91	N/A	N/A	N/A	N/A
282	2.82	1.95	24.81	5.00	6.58E-007	1.79E-003	7.00	26.66	31.00	32.71	26.69	30.32	0.00	0.00	0.00	0.30	0.00	132.53	-0.06	0.00	0.00	0.00	29.25	2.13	73.75	0.35	16.94	N/A	N/A	N/A	N/A
283	2.83	1.95	24.91	5.00	6.49E-007	1.76E-003	7.00	26.65	31.00	32.72	26.75	30.40	0.00	0.00	0.00	0.30	0.00	132.68	-0.06	0.00	0.00	0.00	29.37	2.14	73.87	0.35	16.94	N/A	N/A	N/A	N/A
284	2.84	1.94	25.44	5.00	6.12E-007	1.65E-003	7.00	26.51	31.00	32.80	26.90	30.61	0.00	0.00	0.00	0.30	0.00	133.04	-0.06	0.00	0.00	0.00	29.58	2.17	74.79	0.38	16.96	N/A	N/A	N/A	N/A
285	2.85	1.95	25.76	5.00	6.08E-007	1.65E-003	7.00	26.65	31.00	32.83	27.07	30.83	0.00	0.00	0.00	0.30	0.00	133.46	-0.06	0.00	0.00	0.00	29.72	2.18	75.13	0.39	16.98	N/A	N/A	N/A	N/A
286	2.86	1.94	26.17	5.00	5.78E-007	1.56E-003	7.00	26.51	31.00	32.90	27.18	30.98	0.00	0.00	0.00	0.30	0.00	133.72	-0.06	0.00	0.00	0.00	29.91	2.21	75.87	0.41	17.00	N/A	N/A	N/A	N/A
287	2.87	1.94	26.64	5.00	5.58E-007	1.51E-003	7.00	26.50	31.00	32.96	27.35	31.21	0.00	0.00	0.00	0.30	0.00	134.14	-0.06	0.00	0.00	0.00	30.09	2.24	76.58	0.44	17.02	N/A	N/A	N/A	N/A
288	2.88	1.94	27.43	5.00	5.29E-007	1.43E-003	7.00	26.50	31.00	33.07	27.61	31.57	0.00	0.00	0.00	0.30	0.00	134.78	-0.06	0.00	0.00	0.00	30.33	2.27	77.79	0.49	17.05	N/A	N/A	N/A	N/A
289	2.89	1.96	27.75	5.00	5.37E-007	1.47E-003	7.00	26.78	31.00	33.09	27.82	31.85	0.00	0.00	0.00	0.30	0.00	135.30	-0.06	0.00	0.00	0.00	30.46	2.26	77.97	0.49	17.07	N/A	N/A	N/A	N/A
290	2.90	1.95	27.65	5.00	5.26E-007	1.43E-003	7.00	26.64	31.00	33.08	27.78	31.79	0.00	0.00	0.00	0.30	0.00	135.19	-0.06	0.00	0.00	0.00	30.56	2.28	77.91	0.49	17.06	N/A	N/A	N/A	N/A
291	2.91	1.96	27.75	5.00	5.30E-007	1.45E-003	7.00	26.77	31.00	33.08	27.88	31.92	0.00	0.00	0.00	0.30	0.00	135.44	-0.06	0.00	0.00	0.00	30.67	2.27	77.89	0.49	17.07	N/A	N/A	N/A	N/A
292	2.92	1.96	27.75	5.00	5.27E-007	1.44E-003	7.00	26.77	31.00	33.08	27.91	31.95	0.00	0.00	0.00	0.30	0.00	135.52	-0.06	0.00	0.00	0.00	30.78	2.28	77.84	0.49	17.07	N/A	N/A	N/A	N/A
293	2.93	1.96	27.75	5.00	5.23E-007	1.43E-003	7.00	26.77	31.00	33.07	27.94	31.99	0.00	0.00	0.00	0.30	0.00	135.59	-0.06	0.00	0.00	0.00	30.88	2.28	77.80	0.49	17.07	N/A	N/A	N/A	N/A
294	2.94	2.00	22.92	5.00	7.59E-007	2.11E-003	7.00	27.32	31.00	32.32	26.67	30.15	0.00	0.00	0.00	0.30	0.00	132.46	-0.05	0.00	0.00	0.00	30.11	2.04	69.73	0.25	16.86	N/A	N/A	N/A	N/A
295	2.95	2.01	22.76	5.00	7.77E-007	2.18E-003	7.00	27.46	31.00	32.28	26.69	30.16	0.00	0.00	0.00	0.30	0.00	132.51	-0.05	0.00	0.00	0.00	30.17	2.03	69.35	0.24	16.85	N/A	N/A	N/A	N/A
296	2.96	2.02	22.48	5.00	8.02E-007	2.26E-003	7.00	27.60	31.00	32.23	26.67	30.11	0.00	0.00	0.00	0.30	0.00	132.46	-0.05	0.00	0.00	0.00	30.21	2.01	68.79	0.23	16.84	N/A	N/A	N/A	N/A
297	2.97	2.05	22.92	5.00	8.20E-007	2.34E-003	7.00	28.02	31.00	32.26	26.96	30.50	0.00	0.00	0.00	0.30	0.00	133.19	-0.05	0.00	0.00	0.00	30.36	1.99	69.15	0.24	16.87	N/A	N/A	N/A	N/A
298	2.98	2.06	23.14	5.00	8.19E-007	2.35E-003	7.00	28.16	32.00	32.28	27.10	30.68	0.00	0.00	0.00	0.30	0.00	133.54	-0.05	0.00	0.00	0.00	30.49	1.99	69.35	0.24	16.88	N/A	N/A	N/A	N/A
299	2.99	2.09	23.58	5.00	8.36E-007	2.44E-003	7.00	28.57	32.00	32.32	27.40	31.07	0.00	0.00	0.00	0.30	0.00	134.26	-0.05	0.00	0.00	0.00	30.64	1.98	69.71	0.25	16.91	N/A	N/A	N/A	N/A
300	3.00	2.10	23.33	5.00	8.61E-007	2.52E-003	7.00	28.71	32.00	32.27	27.39	31.03	0.00	0.00	0.00	0.30	0.00	134.24	-0.05	0.00	0.00	0.00	30.69	1.97	69.21	0.24	16.90	N/A	N/A	N/A	N/A
301	3.01	2.10	23.30	5.00	8.57E-007	2.51E-003	7.00	28.71	32.00	32.26	27.41	31.05	0.00	0.00	0.00	0.30	0.00	134.28	-0.05	0.00	0.00	0.00	30.79	1.97	69.13	0.24	16.89	N/A	N/A	N/A	N/A
302	3.02	2.13	23.24	5.00	9.04E-007	2.68E-003	7.00	29.13	32.00	32.22	27.54	31.21	0.00	0.00	0.00	0.30	0.00	134.60	-0.05	0.00	0.00	0.00	30.85	1.94	68.76	0.23	16.90	N/A	N/A	N/A	N/A
303	3.03	2.16	23.36	5.00	9.42E-007	2.84E-003	7.00	29.54	32.00	32.21	27.73	31.44	0.00	0.00	0.00	0.30	0.00	135.07	-0.05	0.00	0.00	0.00	30.95	1.92	68.67	0.23	16.91	N/A	N/A	N/A	N/A
304	3.04	2.22	23.11	5.00	1.06E-006	3.28E-003	7.00	30.38	32.00	32.14	27.91	31.65	0.00	0.00	0.00	0.30	0.00	135.52	-0.04	0.00	0.00	0.00	30.96	1.86	67.91	0.21	16.91	N/A	N/A	N/A	N/A
305	3.05	2.29	23.14	5.00	1.19E-006	3.79E-003	7.00	31.36	33.00	32.10	28.23	32.03	0.00	0.00	0.00	0.30	0.00	136.28	-0.04	0.00	0.00	0.00	31.02	1.80	67.55	0.21	16.92	N/A	N/A	N/A	N/A
306	3.06	2.45	23.02	5.00	1.55E-006	5.30E-003	8.00	33.60	34.00	32.03	28.82	32.74	0.00	0.00	0.00	0.30	0.00	137.70	-0.04	0.00	0.00	0.00	31.05	1.69	66.89	0.20	16.94	N/A	N/A	N/A	N/A
307	3.07	2.53	23.08	5.00	1.74E-006	6.15E-003	8.00	34.72	34.00	32.03	29.16	33.16	0.00	0.00	0.00	0.30	0.00	138.52	-0.04	0.00	0.00	0.00	31.15	1.64	66.84	0.20	16.95	N/A	N/A	N/A	N/A
308	3.08	2.66	23.30	5.00	2.07E-006	7.86E-003	8.00	37.26	35.00	32.05	29.73	33.87	0.00	0.00	0.00	0.30	0.00	139.87	-0.04	0.00	0.00	0.00	31.28	1.58	67.10	0.20	16.98	N/A	N/A	N/A	N/A
309	3.09	2.69	23.17	5.00	2.17E-006	8.26E-003	8.00	37.38	35.00	32.04	29.82	33.97	0.00	0.00	0.00	0.30	0.00	140.08	-0.04	0.00	0.00	0.00	31.37	1.57	66.94	0.20	16.98	N/A	N/A	N/A	N/A
310	3.10	2.70	23.36	5.00	2.16E-006	8.27E-003	8.00	37.54	35.00	32.05	29.95	34.14	0.00	0.00	0.00	0.30	0.00	140.38	-0.04	0.00	0.00	0.00	31.50	1.57	67.09	0.20	16.99	N/A	N/A	N/A	N/A
311	3.11	2.66	24.25	5.00	1.92E-006	7.38E-003	8.00	37.78	35.00	32.14	30.14	34.43	0.00	0.00	0.00	0.30	0.00	140.83	-0.04	0.00	0.00	0.00	31.71	1.61	67.91	0.21	17.03	N/A	N/A	N/A	N/A
312	3.12	2.63	24.81	5.00	1.76E-006	6.49E-003	8.00	36.10	35.00	32.19	30.25	34.60	0.00	0.00	0.00	0.30	0.00	141.08	-0.05	0.00	0.00	0.00	31.88	1.64	68.44	0.22	17.05	N/A	N/A	N/A	N/A
313	3.13	2.58	25.95	5.00	1.52E-006	5.48E-003	8.00	35.40	34.00	32.32	30.48	34.95	0.00	0.00	0.00	0.30	0.00	141.61	-0.05	0.00	0.00	0.00	32.14	1.70	69.69	0.25	17.10	N/A	N/A	N/A	N/A
314	3.14	2.55	26.89	5.00	1.36E-006	4.86E-003	8.00	34.98	34.00	32.42	30.70	35.28	0.00	0.00	0.00	0.30	0.00	142.12	-0.05	0.00	0.00	0.00	32.38	1.74	70.78	0.27	17.13	N/A	N/A	N/A	N/A
315	3.15	2.50	28.63	5.00	1.14E-006	3.97E-003	8.00	34.28	34.00	32.63	31.09	35.86	0.00	0.00	0.00	0.30	0.00	143.02	-0.05	0.00	0.00	0.00	32.76	1.82	72.98	0.33	17.20	N/A	N/A	N/A	N/A
316	3.16	2.48	29.13	5.00	1.07E-006	3.69E-003	8.00	33.99	34.00	32.70	31.20	36.02	0.00	0.00	0.00	0.30	0.00	143.27	-0.06	0.00	0.00	0.00	32.94	1.85	73.64	0.34	17.21	N/A	N/A	N/A	N/A
317	3.17	2.47	29.83	5.00	1.00E-006	3.46E-003	8.00	33.85	34.00	32.78	31.40	36.31	0.00	0.00	0.00	0.30	0.00	143.75	-0.06	0.00	0.00	0.00	33.16	1.88	74.51	0.37	17.24	N/A	N/A	N/A	N/A
318	3.18	2.49	31.47	5.00	9.46E-007	3.29E-003	8.00	34.13	34.00	32.94	32.01	37.15	0.00	0.00	0.00	0.30	0.00	145.12	-0.06	0.00	0.00	0.00	33.48	1.92	76.34	0.43	17.31	N/A	N/A	N/A	N/A
319	3.19	2.50	32.22	5.00	9.19E-007	3.21E-003	8.00	34.27	34.00	33.01	32.30	37.55	0.00	0.00	0.00	0.30	0.00	145.78	-0.06	0.00	0.00	0.00	33.69	1.93	77.14	0.46	17.33	N/A	N/A	N/A	N/A
320	3.20	2.55	34.21	5.00	8.97E-007	3.20E-003	8.00	34.96	34.00	33.19	33.11	38.66	0.00	0.00	0.00	0.30	0.00	147.59	-0.07	0.00	0.00	0.00	34.03	1.94	79.14	0.54	17.41	N/A	N/A	N/A	N/A
321	3.21	2.58	35.41	5.00	8.82E-007	3.18E-003	8.00	35.38	34.00	33.29	33.60	39.33	0.00	0.00	0.00	0.30	0.00	148.68	-0.07	0.00	0.00	0.00	34.27	1.95	80.30	0.60	17.45	N/A	N/A	N/A	N/A
322	3.22	2.61	36.51	5.00	8.73E-007	3.19E-003	9.00	35.80	34.00	33.38	34.06	39.96	0.00	0.00	0.00	0.30	0.00	149.70	-0.07	0.00	0.00	0.00	34.50	1.96	81.32	0.65	17.49	N/A	N/A	N/A	N/A
323	3.23	2.64	38.37	5.00	8.36E-007	3.09E-003	9.00	36.22	35.00	33.54	34.73	40.89	0.00	0.00	0.00	0.30	0.00	151.16	-0.07	0.00	0.00	0.00	34.83	1.98	83.21	0.66	17.56	N/A	N/A	N/A	N/A
324	3.24	2.64	39.19	5.00	8.02E-007	2.96E-003	9.00	36.21	35.00	33.61	34.99	41.25	0.00	0.00	0.00	0.30	0.00	151.73	-0.08	0.00	0.00	0.00	35.04	2.01	84.12	0.66	17.58	N/A	N/A	N/A	N/A
325	3.25	2.64	39.73	5.00	7.79E-007	2.88E-003	9.00	36.21	35.00	33.66	35.17	41.51	0.00	0.00	0.00	0.30	0.00	152.12	-0.08	0.00	0.00	0.00	35.22	2.02	84.69	0.67	17.60	N/A	N/A	N/A	N/A
326	3.26	2.62	40.33	5.00	7.33E-007	2.68E-003	9.00	35.93	34.00	33.72	35.29	41.68	0.00	0.00	0.00	0.30	0.00	152.37	-0.08	0.00	0.00	0.00	35.43	2.06	85.53	0.67	17.61	N/A	N/A	N/A	N/A
327	3.27	2.61	40.74	5.00	7.05E-007	2.57E-003	9.00	35.79	34.00	33.77	35.39	41.83	0.00	0.00	0.00	0.30	0.00	152.60	-0.08	0.00	0.00	0.00	35.60	2.08	86.06	0.67	17.62	N/A	N/A	N/A	N/A
328	3.28	2.62	42.72	5.00	6.56E-007	2.40E-003	9.00	35.93	34.00	33.94	35.99	42.67	0.00	0.00	0.00	0.30	0.00	153.89	-0.08	0.00	0.00	0.00	35.96	2.13	88.26	0.67	17.68	N/A	N/A	N/A	N/A
329	3.29	2.61	44.27	5.00	6.04E-007	2.20E-003	9.00	35.78	34.00	34.09	36.39	43.24	0.00	0.00	0.00	0.30	0.00	154.74	-0.09	0.00	0.00	0.00	36.27	2.18	90.17	0.68	17.72	N/A	N/A	N/A	N/A
330	3.30	2.60	45.50	5.00	5.64E-007	2.05E-003	9.00	35.64	34.00	34.20	36.70	43.68	0.00	0.00	0.00	0.30	0.00	155.40	-0.09	0.00	0.00	0.00	36.55	2.23	91.71	0.68	17.75	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
331	3.31	2.55	48.37	5.00	4.65E-007	1.66E-003	9.00	34.94	34.00	34.51	37.25	44.49	0.00	0.00	0.00	0.30	0.00	156.55	-0.09	0.00	0.00	0.00	37.09	2.37	95.81	0.69	17.81	N/A	N/A	N/A	N/A
332	3.32	2.54	51.05	5.00	4.14E-007	1.47E-003	9.00	34.80	34.00	34.74	37.89	45.42	0.00	0.00	0.00	0.30	0.00	157.90	-0.10	0.00	0.00	0.00	37.55	2.46	99.18	0.69	17.87	N/A	N/A	N/A	N/A
333	3.33	2.53	53.73	5.00	3.69E-007	1.30E-003	9.00	34.65	34.00	34.97	38.52	46.32	0.00	0.00	0.00	0.30	0.00	159.21	-0.10	0.00	0.00	0.00	38.00	2.55	102.57	0.70	17.93	N/A	N/A	N/A	N/A
334	3.34	2.48	58.93	5.00	2.86E-007	9.90E-004	9.00	33.95	34.00	35.44	39.53	47.79	0.00	0.00	0.00	0.30	0.00	161.27	-0.11	0.00	0.00	0.00	38.79	2.77	109.81	0.71	18.03	N/A	N/A	N/A	N/A
335	3.35	2.45	61.48	4.00	2.50E-007	8.56E-004	9.00	33.53	0.00	0.00	0.00	48.46	15.00	159.66	2.92	0.30	11.78	162.21	0.00	1.00	2.73	0.00	159.66	2.89	113.50	0.58	18.07	N/A	N/A	N/A	N/A
336	3.36	2.38	67.00	4.00	1.88E-007	6.25E-004	9.00	32.54	0.00	0.00	0.00	49.77	15.00	154.98	2.83	0.30	11.52	163.98	0.00	1.00	2.43	0.00	154.98	3.17	121.84	0.58	18.16	N/A	N/A	N/A	N/A
337	3.37	2.35	69.87	4.00	1.64E-007	5.38E-004	9.00	32.12	0.00	0.00	0.00	50.48	15.00	152.96	2.78	0.30	11.39	164.95	0.00	1.00	2.30	0.00	152.96	3.32	126.05	0.58	18.20	N/A	N/A	N/A	N/A
338	3.38	2.31	73.24	4.00	1.39E-007	4.47E-004	9.00	31.56	0.00	0.00	0.00	51.24	15.00	150.28	2.72	0.30	11.22	165.97	0.00	1.00	2.15	0.00	150.28	3.51	131.16	0.58	18.25	N/A	N/A	N/A	N/A
339	3.39	2.27	80.84	4.00	1.06E-007	3.36E-004	9.00	31.00	0.00	0.00	0.00	53.13	15.00	147.61	2.66	0.30	11.09	168.51	0.00	1.00	1.92	0.00	147.61	3.83	141.51	0.58	18.35	N/A	N/A	N/A	N/A
340	3.40	2.25	84.41	4.00	9.39E-008	2.94E-004	9.00	30.71	0.00	0.00	0.00	53.99	15.00	146.26	2.63	0.30	11.00	169.66	0.00	1.00	1.82	0.00	146.26	3.99	146.34	0.58	18.40	N/A	N/A	N/A	N/A
341	3.41	2.20	91.34	4.00	7.28E-008	2.23E-004	9.00	30.01	0.00	0.00	0.00	55.48	15.00	142.91	2.56	0.30	10.81	171.60	0.00	1.00	1.64	0.00	142.91	4.33	156.07	0.58	18.48	N/A	N/A	N/A	N/A
342	3.42	2.17	94.62	4.00	6.38E-008	1.92E-004	9.00	29.59	0.00	0.00	0.00	56.14	15.00	140.90	2.52	0.30	10.67	172.45	0.00	1.00	1.56	0.00	140.90	4.52	160.79	0.58	18.52	N/A	N/A	N/A	N/A
343	3.43	2.15	97.55	4.00	5.74E-008	1.72E-004	9.00	29.31	0.00	0.00	0.00	56.76	15.00	139.56	2.49	0.30	10.58	173.26	0.00	1.00	1.50	0.00	139.56	4.67	164.77	0.58	18.55	N/A	N/A	N/A	N/A
344	3.44	2.13	100.99	4.00	5.12E-008	1.52E-004	9.00	29.02	0.00	0.00	0.00	57.50	15.00	138.21	2.45	0.30	10.48	174.21	0.00	1.00	1.44	0.00	138.21	4.85	169.31	0.58	18.59	N/A	N/A	N/A	N/A
345	3.45	2.12	102.44	3.00	4.85E-008	1.43E-004	9.00	28.88	0.00	0.00	0.00	57.83	15.00	137.53	2.43	0.30	10.42	174.64	0.00	1.00	1.41	0.00	137.53	4.93	171.18	0.58	18.60	N/A	N/A	N/A	N/A
346	3.46	2.13	103.70	3.00	4.80E-008	1.42E-004	9.00	29.02	0.00	0.00	0.00	58.28	15.00	138.19	2.44	0.30	10.44	175.24	0.00	1.00	1.40	0.00	138.19	4.95	172.17	0.58	18.62	N/A	N/A	N/A	N/A
347	3.47	2.14	104.36	3.00	4.80E-008	1.43E-004	9.00	29.16	0.00	0.00	0.00	58.58	15.00	138.84	2.44	0.30	10.46	175.65	0.00	1.00	1.40	0.00	138.84	4.95	172.45	0.58	18.63	N/A	N/A	N/A	N/A
348	3.48	2.15	104.17	3.00	4.88E-008	1.46E-004	9.00	29.29	0.00	0.00	0.00	58.67	15.00	139.49	2.44	0.30	10.47	175.79	0.00	1.00	1.41	0.00	139.49	4.92	171.76	0.58	18.63	N/A	N/A	N/A	N/A
349	3.49	2.17	101.81	4.00	5.27E-008	1.59E-004	9.00	29.57	0.00	0.00	0.00	58.33	15.00	140.82	2.46	0.30	10.51	175.38	0.00	1.00	1.45	0.00	140.82	4.80	168.27	0.58	18.60	N/A	N/A	N/A	N/A
350	3.50	2.17	99.95	4.00	5.44E-008	1.64E-004	9.00	29.57	0.00	0.00	0.00	57.93	15.00	140.80	2.45	0.30	10.47	174.89	0.00	1.00	1.48	0.00	140.80	4.76	165.98	0.58	18.58	N/A	N/A	N/A	N/A
351	3.51	2.19	96.20	4.00	6.06E-008	1.84E-004	9.00	29.85	0.00	0.00	0.00	57.22	15.00	142.13	2.47	0.30	10.50	174.00	0.00	1.00	1.55	0.00	142.13	4.59	160.88	0.58	18.54	N/A	N/A	N/A	N/A
352	3.52	2.17	94.94	4.00	5.95E-008	1.79E-004	9.00	29.56	0.00	0.00	0.00	56.81	15.00	140.78	2.43	0.30	10.38	173.45	0.00	1.00	1.56	0.00	140.78	4.62	159.91	0.58	18.52	N/A	N/A	N/A	N/A
353	3.53	2.12	91.81	4.00	5.74E-008	1.69E-004	9.00	28.86	0.00	0.00	0.00	55.68	15.00	137.43	2.37	0.30	10.12	171.95	0.00	1.00	1.57	0.00	137.43	4.67	157.65	0.58	18.48	N/A	N/A	N/A	N/A
354	3.54	2.08	90.33	4.00	5.44E-008	1.57E-004	9.00	28.30	0.00	0.00	0.00	55.04	15.00	134.75	2.32	0.30	9.91	171.08	0.00	1.00	1.57	0.00	134.75	4.75	157.02	0.58	18.45	N/A	N/A	N/A	N/A
355	3.55	2.04	87.91	4.00	5.26E-008	1.49E-004	9.00	27.74	0.00	0.00	0.00	54.16	15.00	132.07	2.26	0.30	9.69	169.88	0.00	1.00	1.58	0.00	132.07	4.80	155.25	0.58	18.41	N/A	N/A	N/A	N/A
356	3.56	2.02	87.59	4.00	5.06E-008	1.42E-004	9.00	27.45	0.00	0.00	0.00	53.98	15.00	130.73	2.23	0.30	9.58	169.63	0.00	1.00	1.57	0.00	130.73	4.87	155.36	0.58	18.40	N/A	N/A	N/A	N/A
357	3.57	2.02	87.31	4.00	5.06E-008	1.42E-004	9.00	27.45	0.00	0.00	0.00	53.96	15.00	130.72	2.23	0.30	9.55	169.62	0.00	1.00	1.57	0.00	130.72	4.87	154.91	0.58	18.40	N/A	N/A	N/A	N/A
358	3.58	2.03	87.18	4.00	5.15E-008	1.45E-004	9.00	27.59	0.00	0.00	0.00	54.06	15.00	131.37	2.23	0.30	9.57	169.78	0.00	1.00	1.58	0.00	131.37	4.84	154.32	0.58	18.40	N/A	N/A	N/A	N/A
359	3.59	2.03	87.65	4.00	5.06E-008	1.42E-004	9.00	27.59	0.00	0.00	0.00	54.24	15.00	131.36	2.22	0.30	9.54	170.03	0.00	1.00	1.57	0.00	131.36	4.87	154.77	0.58	18.41	N/A	N/A	N/A	N/A
360	3.60	2.07	89.51	4.00	5.23E-008	1.50E-004	9.00	28.14	0.00	0.00	0.00	55.09	15.00	134.01	2.26	0.30	9.70	171.21	0.00	1.00	1.57	0.00	134.01	4.81	155.64	0.58	18.44	N/A	N/A	N/A	N/A
361	3.61	2.08	90.40	4.00	5.21E-008	1.50E-004	9.00	28.28	0.00	0.00	0.00	55.46	15.00	134.67	2.26	0.30	9.72	171.72	0.00	1.00	1.56	0.00	134.67	4.82	156.26	0.58	18.45	N/A	N/A	N/A	N/A
362	3.62	2.10	91.63	4.00	5.24E-008	1.53E-004	9.00	28.56	0.00	0.00	0.00	55.99	15.00	135.99	2.28	0.30	9.79	172.45	0.00	1.00	1.56	0.00	135.99	4.81	156.98	0.58	18.47	N/A	N/A	N/A	N/A
363	3.63	2.16	94.59	4.00	5.50E-008	1.65E-004	9.00	29.40	0.00	0.00	0.00	57.28	15.00	139.98	2.34	0.30	10.03	174.20	0.00	1.00	1.55	0.00	139.98	4.74	158.47	0.58	18.52	N/A	N/A	N/A	N/A
364	3.64	2.18	96.83	4.00	5.42E-008	1.64E-004	9.00	29.67	0.00	0.00	0.00	58.06	15.00	141.30	2.35	0.30	10.10	175.24	0.00	1.00	1.53	0.00	141.30	4.76	160.31	0.58	18.55	N/A	N/A	N/A	N/A
365	3.65	2.20	99.35	4.00	5.32E-008	1.62E-004	9.00	29.95	0.00	0.00	0.00	58.91	15.00	142.62	2.37	0.30	10.18	176.37	0.00	1.00	1.51	0.00	142.62	4.79	162.44	0.58	18.58	N/A	N/A	N/A	N/A
366	3.66	2.23	102.91	4.00	5.21E-008	1.61E-004	10.00	30.37	0.00	0.00	0.00	60.10	15.00	144.61	2.39	0.30	10.29	177.91	0.00	1.00	1.48	0.00	144.61	4.82	165.39	0.58	18.63	N/A	N/A	N/A	N/A
367	3.67	2.24	104.02	4.00	5.17E-008	1.61E-004	10.00	30.50	0.00	0.00	0.00	60.51	15.00	145.26	2.40	0.30	10.32	178.46	0.00	1.00	1.47	0.00	145.26	4.83	166.18	0.58	18.64	N/A	N/A	N/A	N/A
368	3.68	2.27	106.76	4.00	5.15E-008	1.62E-004	10.00	30.92	0.00	0.00	0.00	61.49	15.00	147.25	2.42	0.30	10.43	179.72	0.00	1.00	1.45	0.00	147.25	4.84	168.16	0.58	18.67	N/A	N/A	N/A	N/A
369	3.69	2.28	107.45	4.00	5.15E-008	1.63E-004	10.00	31.06	0.00	0.00	0.00	61.80	15.00	147.90	2.43	0.30	10.45	180.13	0.00	1.00	1.45	0.00	147.90	4.84	168.47	0.58	18.68	N/A	N/A	N/A	N/A
370	3.70	2.29	108.84	4.00	5.08E-008	1.62E-004	10.00	31.20	0.00	0.00	0.00	62.28	15.00	148.56	2.43	0.30	10.47	180.75	0.00	1.00	1.43	0.00	148.56	4.86	169.55	0.58	18.70	N/A	N/A	N/A	N/A
371	3.71	2.30	108.65	4.00	5.16E-008	1.65E-004	10.00	31.33	0.00	0.00	0.00	62.38	15.00	149.21	2.43	0.30	10.48	180.89	0.00	1.00	1.44	0.00	149.21	4.84	168.91	0.58	18.70	N/A	N/A	N/A	N/A
372	3.72	2.28	109.72	3.00	4.85E-008	1.53E-004	10.00	31.05	0.00	0.00	0.00	62.54	15.00	147.86	2.40	0.30	10.37	181.09	0.00	1.00	1.42	0.00	147.86	4.93	170.53	0.58	18.71	N/A	N/A	N/A	N/A
373	3.73	2.28	110.23	3.00	4.78E-008	1.51E-004	10.00	31.05	0.00	0.00	0.00	62.72	15.00	147.85	2.40	0.30	10.35	181.33	0.00	1.00	1.41	0.00	147.85	4.96	170.94	0.58	18.71	N/A	N/A	N/A	N/A
374	3.74	2.26	110.83	3.00	4.53E-008	1.42E-004	10.00	30.77	0.00	0.00	0.00	62.77	15.00	146.51	2.37	0.30	10.24	181.39	0.00	1.00	1.39	0.00	146.51	5.04	172.05	0.58	18.72	N/A	N/A	N/A	N/A
375	3.75	2.22	111.74	3.00	4.11E-008	1.26E-004	10.00	30.20	0.00	0.00	0.00	62.72	15.00	143.82	2.32	0.30	10.05	181.31	0.00	1.00	1.35	0.00	143.82	5.20	174.09	0.58	18.72	N/A	N/A	N/A	N/A
376	3.76	2.21	111.68	3.00	4.01E-008	1.23E-004	10.00	30.06	0.00	0.00	0.00	62.69	15.00	143.15	2.30	0.30	9.98	181.27	0.00	1.00	1.35	0.00	143.15	5.23	174.19	0.58	18.72	N/A	N/A	N/A	N/A
377	3.77	2.19	111.39	3.00	3.86E-008	1.17E-004	10.00	29.78	0.00	0.00	0.00	62.52	15.00	141.80	2.27	0.30	9.87	181.05	0.00	1.00	1.34	0.00	141.80	5.30	174.34	0.58	18.71	N/A	N/A	N/A	N/A
378	3.78	2.16	111.24	3.00	3.61E-008	1.08E-004	10.00	29.32	0.00	0.00	0.00	62.27	15.00	139.60	2.23	0.30	9.71	180.72	0.00	1.00	1.32	0.00	139.60	5.41	175.04	0.58	18.70	N/A	N/A	N/A	N/A
379	3.79	2.15	110.76	3.00	3.54E-008	1.05E-004	9.00	29.16	0.00	0.00	0.00	62.12	15.00	138.87	2.21	0.30	9.64	180.55	0.00	1.00	1.32	0.00	138.87	5.44	174.71	0.58	18.70	N/A	N/A	N/A	N/A
380	3.80	2.17	109.82	3.00	3.71E-008	1.11E-004	10.00	29.41	0.00	0.00	0.00	62.11	15.00	140.07	2.22	0.30	9.68	180.56	0.00	1.00	1.34	0.00	140.07	5.36	173.01	0.58	18.69	N/A	N/A	N/A	N/A
381	3.81	2.17	108.81	3.00	3.76E-008	1.13E-004	10.00	29.41	0.00	0.00	0.00	61.92	15.00	140.05	2.22	0.30	9.65	180.34	0.00	1.00	1.35	0.00	140.05	5.34	171.78	0.58	18.68	N/A	N/A	N/A	N/A
382	3.82	2.18	107.55	3.00	3.90E-008	1.18E-004	10.00	29.55	0.00	0.00	0.00	61.76	15.00	140.71	2.22	0.30	9.66	180.16	0.00	1.00	1.37	0.00	140.71	5.28	169.99	0.58	18.67	N/A	N/A	N/A	N/A
383	3.83	2.21	105.03	3.00	4.31E-008	1.32E-004	10.00	29.97	0.00	0.00	0.00	61.45	15.00	142.73	2.24	0.30	9.75	179.81	0.00	1.00	1.43	0.00	142.73	5.12	166.25	0.58	18.64	N/A	N/A	N/A	N/A
384	3.84	2.24	103.92	3.00	4.64E-008	1.44E-004	10.00	30.39	0.00	0.00	0.00	61.47	15.00	144.71	2.27	0.30	9.84	179.88	0.00	1.00	1.46	0.00	144.71	5.00	164.05	0.58	18.64	N/A	N/A	N/A	N/A
385	3.85	2.29	101.53	4.00	5.31E-008	1.68E-004	10.00	31.10	0.00	0.00	0.00	61.33	15.00	148.11	2.32	0.30	10.01	179.75	0.00	1.00	1.53	0.00	148.11	4.79	159.90	0.58	18.62	N/A	N/A	N/A	N/A
386	3.86	2.32	100.45	4.00	5.71E-008	1.83E-004	10.00	31.53	0.00	0.00	0.00	61.35	15.00	150.14	2.34	0.30	10.10	179.81	0.00	1.00	1.57	0.00	150.14	4.68	157.75	0.58	18.61	N/A	N/A	N/A	N/A
387	3.87	2.41	98.97	4.00	6.84E-008	2.29E-004	10.00	32.77	0.00	0.00	0.00	61.69	15.00	156.05	2.43	0.30	10.43	180.33	0.00	1.00	1.66	0.00	156.05	4.42	153.62	0.58	18.61	N/A	N/A	N/A	N/A
388	3.88	2.42	98.88	4.00	6.92E-008	2.32E-004	10.00	32.90	0.00	0.00	0.00	61.79	15.00	156.64	2.43	0.30	10.44	180.48	0.00	1.00	1.66	0.00	156.64	4.40	153.18	0.58	18.61	N/A	N/A	N/A	N/A
389	3.89	2.42	98.72	4.00	6.90E-008	2.31E-004	10.00	32.89	0.00	0.00	0.00	61.81	15.00	156.61	2.42	0.30	10.41	180.51	0.00	1.00	1.67	0.00	156.61	4.41	152.91	0.58	18.61	N/A	N/A	N/A	N/A
390	3.90	2.41	97.99	4.00	6.86E-008	2.29E-004	10.00	32.76	0.00	0.00	0.00	61.60	15.00	156.00	2.40	0.30	10.34	180.26	0.00	1.00	1.67	0.00	156.00	4.42	152.27	0.58	18.60	N/A	N/A	N/A	N/A
391	3.91	2.41	97.24	4.00	6.93E-008	2.31E-004	10.00	32.76	0.00	0.00	0.00	61.46	15.00	156.00	2.40	0.30	10.32	180.10	0.00	1.00	1.68	0.00	156.00	4.40	151.36	0.58	18.59	N/A	N/A	N/A	N/A
392	3.92	2.41	97.24	4.00	6.89E-008	2.30E-004	10.00	32.76	0.00	0.00	0.00	61.52	15.00	155.99	2.39	0.30	10.29	180.18	0.00	1.00	1.68	0.00	155.99	4.41	151.26	0.58	18.59	N/A	N/A	N/A	N/A
393	3.93	2.41	97.24	4.00	6.85E-008	2.29E-004	10.00	32.76	0.00	0.00	0.00	61.58	15.00	155.98	2.38	0.30	10.27	180.27	0.00	1.00	1.68	0.00	155.98	4.42	151.15	0.58	18.59	N/A	N/A	N/A	N/A
394	3.94	2.31	83.81	4.00	7.64E-008	2.44E-004	10.00	31.35	0.00	0.00	0.00	57.21	15.00	149.29	2.27	0.30	9.78	174.63	0.00	1.00	1.87	0.00	149.29	4.27	138.99	0.58	18.40	N/A	N/A	N/A	N/A
395	3.95	2.27	83.21	4.00	7.16E-008	2.25E-004	9.00	30.79	0.00	0.00	0.00	56.80	15.00	146.62	2.23	0.30	9.59	174.08	0.00	1.00	1.85	0.00	146.62	4.36	139.26	0.58	18.39	N/A	N/A	N/A	N/A
396	3.96	2.18	82.10	4.00	6.17E-008	1.86E-004	9.00	29.54	0.00	0.00	0.00	55.88	15.00	140.68	2.13	0.30	9.21	172.82	0.00	1.00	1.80	0.00	140.68	4.57	140.25	0.58	18.36	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
397	3.97	2.14	81.79	4.00	5.73E-008	1.69E-004	9.00	28.99	0.00	0.00	0.00	55.55	15.00	138.04	2.09	0.30	9.03	172.36	0.00	1.00	1.77	0.00	138.04	4.68	140.85	0.58	18.35	N/A	N/A	N/A	N/A
398	3.98	2.13	82.14	4.00	5.53E-008	1.63E-004	9.00	28.84	0.00	0.00	0.00	55.63	15.00	137.35	2.07	0.30	8.97	172.46	0.00	1.00	1.76	0.00	137.35	4.73	141.44	0.58	18.35	N/A	N/A	N/A	N/A
399	3.99	2.11	78.79	4.00	5.74E-008	1.67E-004	9.00	28.56	0.00	0.00	0.00	54.58	15.00	136.02	2.04	0.30	8.86	171.06	0.00	1.00	1.81	0.00	136.02	4.68	138.02	0.58	18.30	N/A	N/A	N/A	N/A
400	4.00	2.10	76.65	4.00	5.91E-008	1.71E-004	9.00	28.43	0.00	0.00	0.00	53.94	15.00	135.39	2.03	0.30	8.79	170.22	0.00	1.00	1.85	0.00	135.39	4.63	135.69	0.58	18.26	N/A	N/A	N/A	N/A
401	4.01	2.10	72.52	4.00	6.54E-008	1.90E-004	9.00	28.44	0.00	0.00	0.00	52.78	15.00	135.41	2.02	0.30	8.75	168.67	0.00	1.00	1.96	0.00	135.41	4.48	130.75	0.58	18.20	N/A	N/A	N/A	N/A
402	4.02	2.11	70.47	4.00	7.01E-008	2.04E-004	9.00	28.57	0.00	0.00	0.00	52.29	15.00	136.07	2.03	0.30	8.76	168.02	0.00	1.00	2.03	0.00	136.07	4.38	127.98	0.58	18.17	N/A	N/A	N/A	N/A
403	4.03	2.13	67.98	4.00	7.77E-008	2.28E-004	9.00	28.85	0.00	0.00	0.00	51.72	15.00	137.39	2.04	0.30	8.80	167.28	0.00	1.00	2.12	0.00	137.39	4.24	124.43	0.58	18.13	N/A	N/A	N/A	N/A
404	4.04	2.15	65.61	4.00	8.60E-008	2.55E-004	9.00	29.13	0.00	0.00	0.00	51.16	15.00	138.72	2.06	0.30	8.84	166.55	0.00	1.00	2.22	0.00	138.72	4.11	121.03	0.58	18.09	N/A	N/A	N/A	N/A
405	4.05	2.21	61.33	4.00	1.09E-007	3.33E-004	9.00	29.97	0.00	0.00	0.00	50.24	15.00	142.69	2.11	0.30	9.03	165.34	0.00	1.00	2.44	0.00	142.69	3.80	114.39	0.58	18.03	N/A	N/A	N/A	N/A
406	4.06	2.24	58.55	4.00	1.25E-007	3.87E-004	9.00	30.38	0.00	0.00	0.00	49.55	15.00	144.68	2.13	0.30	9.11	164.44	0.00	1.00	2.59	0.00	144.68	3.63	110.29	0.58	17.98	N/A	N/A	N/A	N/A
407	4.07	2.26	56.75	4.00	1.37E-007	4.27E-004	9.00	30.66	0.00	0.00	0.00	49.11	15.00	146.00	2.15	0.30	9.15	163.85	0.00	1.00	2.70	0.00	146.00	3.53	107.61	0.58	17.95	N/A	N/A	N/A	N/A
408	4.08	2.31	54.23	4.00	1.62E-007	5.17E-004	9.00	31.36	0.00	0.00	0.00	48.59	15.00	149.31	2.19	0.30	9.30	163.18	0.00	1.00	2.89	0.00	149.31	3.34	103.46	0.58	17.90	N/A	N/A	N/A	N/A
409	4.09	2.32	53.00	4.00	1.71E-007	5.49E-004	9.00	31.49	0.00	0.00	0.00	48.26	15.00	149.97	2.19	0.30	9.31	162.73	0.00	1.00	2.97	0.00	149.97	3.28	101.72	0.58	17.88	N/A	N/A	N/A	N/A
410	4.10	2.33	50.26	4.00	1.91E-007	6.14E-004	9.00	31.63	0.00	0.00	0.00	47.37	15.00	150.62	2.20	0.30	9.31	161.49	0.00	1.00	3.15	0.00	150.62	3.16	98.12	0.58	17.82	N/A	N/A	N/A	N/A
411	4.11	2.33	49.63	4.00	1.94E-007	6.25E-004	9.00	31.63	0.00	0.00	0.00	47.18	15.00	150.62	2.19	0.30	9.29	161.23	0.00	1.00	3.19	0.00	150.62	3.14	97.30	0.58	17.80	N/A	N/A	N/A	N/A
412	4.12	2.38	49.16	4.00	2.14E-007	7.06E-004	9.00	32.32	0.00	0.00	0.00	47.34	15.00	153.92	2.23	0.30	9.45	161.52	0.00	1.00	3.29	0.00	153.92	3.04	95.79	0.58	17.80	N/A	N/A	N/A	N/A
413	4.13	2.41	49.09	4.00	2.25E-007	7.52E-004	9.00	32.74	0.00	0.00	0.00	47.52	15.00	155.89	2.26	0.30	9.54	161.82	0.00	1.00	3.33	0.00	155.89	2.99	95.15	0.58	17.80	N/A	N/A	N/A	N/A
414	4.14	2.45	49.79	5.00	2.34E-007	7.94E-004	9.00	33.29	30.00	34.47	40.20	48.06	0.00	0.00	0.00	0.30	0.00	162.62	-0.09	0.00	0.00	0.00	47.53	2.95	95.28	0.69	17.83	N/A	N/A	N/A	N/A
415	4.15	2.49	50.48	5.00	2.43E-007	8.40E-004	9.00	33.86	31.00	34.47	40.59	48.59	0.00	0.00	0.00	0.30	0.00	163.42	-0.09	0.00	0.00	0.00	47.66	2.92	95.38	0.69	17.85	N/A	N/A	N/A	N/A
416	4.16	2.50	51.30	5.00	2.39E-007	8.30E-004	9.00	34.00	31.00	34.53	40.89	49.00	0.00	0.00	0.00	0.30	0.00	164.01	-0.09	0.00	0.00	0.00	47.88	2.93	96.14	0.69	17.87	N/A	N/A	N/A	N/A
417	4.17	2.49	52.62	4.00	2.24E-007	7.72E-004	9.00	33.86	0.00	0.00	0.00	49.47	15.00	161.24	2.31	0.30	9.79	164.68	0.00	1.00	3.22	0.00	161.24	3.00	97.82	0.58	17.90	N/A	N/A	N/A	N/A
418	4.18	2.47	53.54	4.00	2.08E-007	7.14E-004	9.00	33.58	0.00	0.00	0.00	49.73	15.00	159.89	2.29	0.30	9.70	165.03	0.00	1.00	3.14	0.00	159.89	3.07	99.20	0.58	17.91	N/A	N/A	N/A	N/A
419	4.19	2.45	54.74	4.00	1.93E-007	6.53E-004	9.00	33.29	0.00	0.00	0.00	50.09	15.00	158.54	2.26	0.30	9.61	165.52	0.00	1.00	3.04	0.00	158.54	3.15	100.93	0.58	17.94	N/A	N/A	N/A	N/A
420	4.20	2.47	57.48	4.00	1.81E-007	6.20E-004	9.00	33.57	0.00	0.00	0.00	51.23	15.00	159.86	2.27	0.30	9.68	167.12	0.00	1.00	2.92	0.00	159.86	3.21	103.72	0.58	17.99	N/A	N/A	N/A	N/A
421	4.21	2.47	59.53	4.00	1.69E-007	5.78E-004	9.00	33.57	0.00	0.00	0.00	51.99	15.00	159.84	2.27	0.30	9.67	168.17	0.00	1.00	2.82	0.00	159.84	3.29	106.04	0.58	18.04	N/A	N/A	N/A	N/A
422	4.22	2.46	61.07	4.00	1.58E-007	5.37E-004	9.00	33.42	0.00	0.00	0.00	52.51	15.00	159.14	2.25	0.30	9.62	168.87	0.00	1.00	2.74	0.00	159.14	3.37	107.96	0.58	18.06	N/A	N/A	N/A	N/A
423	4.23	2.40	63.53	4.00	1.31E-007	4.36E-004	9.00	32.58	0.00	0.00	0.00	53.01	15.00	155.14	2.19	0.30	9.40	169.51	0.00	1.00	2.56	0.00	155.14	3.57	111.93	0.58	18.10	N/A	N/A	N/A	N/A
424	4.24	2.37	65.55	4.00	1.17E-007	3.83E-004	9.00	32.16	0.00	0.00	0.00	53.54	15.00	153.13	2.16	0.30	9.27	170.20	0.00	1.00	2.45	0.00	153.13	3.71	114.82	0.58	18.13	N/A	N/A	N/A	N/A
425	4.25	2.32	67.51	4.00	1.00E-007	3.22E-004	9.00	31.45	0.00	0.00	0.00	53.89	15.00	149.76	2.10	0.30	9.08	170.64	0.00	1.00	2.33	0.00	149.76	3.90	118.10	0.58	18.16	N/A	N/A	N/A	N/A
426	4.26	2.29	68.01	4.00	9.31E-008	2.95E-004	9.00	31.03	0.00	0.00	0.00	53.90	15.00	147.74	2.07	0.30	8.95	170.64	0.00	1.00	2.28	0.00	147.74	4.00	119.28	0.58	18.16	N/A	N/A	N/A	N/A
427	4.27	2.24	68.14	4.00	8.41E-008	2.60E-004	9.00	30.32	0.00	0.00	0.00	53.65	15.00	144.39	2.02	0.30	8.74	170.27	0.00	1.00	2.23	0.00	144.39	4.14	120.50	0.58	18.15	N/A	N/A	N/A	N/A
428	4.28	2.16	67.10	4.00	7.37E-008	2.20E-004	9.00	29.20	0.00	0.00	0.00	52.80	15.00	139.05	1.94	0.30	8.42	169.07	0.00	1.00	2.18	0.00	139.05	4.31	121.08	0.58	18.12	N/A	N/A	N/A	N/A
429	4.29	2.12	65.87	4.00	7.02E-008	2.05E-004	9.00	28.64	0.00	0.00	0.00	52.17	15.00	136.37	1.90	0.30	8.25	168.20	0.00	1.00	2.17	0.00	136.37	4.38	120.51	0.58	18.09	N/A	N/A	N/A	N/A
430	4.30	2.07	63.66	4.00	6.72E-008	1.91E-004	9.00	27.94	0.00	0.00	0.00	51.15	15.00	133.03	1.84	0.30	8.03	166.76	0.00	1.00	2.19	0.00	133.03	4.44	119.01	0.58	18.04	N/A	N/A	N/A	N/A
431	4.31	2.06	63.06	4.00	6.67E-008	1.89E-004	9.00	27.79	0.00	0.00	0.00	50.93	15.00	132.35	1.83	0.30	7.98	166.46	0.00	1.00	2.20	0.00	132.35	4.46	118.46	0.58	18.03	N/A	N/A	N/A	N/A
432	4.32	2.06	61.36	4.00	6.98E-008	1.98E-004	9.00	27.79	0.00	0.00	0.00	50.42	15.00	132.34	1.83	0.30	7.95	165.76	0.00	1.00	2.26	0.00	132.34	4.39	116.36	0.58	18.00	N/A	N/A	N/A	N/A
433	4.33	2.08	57.73	4.00	8.11E-008	2.32E-004	9.00	28.07	0.00	0.00	0.00	49.38	15.00	133.66	1.84	0.30	7.99	164.35	0.00	1.00	2.43	0.00	133.66	4.18	111.45	0.58	17.93	N/A	N/A	N/A	N/A
434	4.34	2.11	56.28	4.00	8.98E-008	2.61E-004	9.00	28.49	0.00	0.00	0.00	49.13	15.00	135.65	1.86	0.30	8.08	164.04	0.00	1.00	2.53	0.00	135.65	4.05	108.96	0.58	17.91	N/A	N/A	N/A	N/A
435	4.35	2.16	51.52	4.00	1.16E-007	3.45E-004	9.00	29.18	0.00	0.00	0.00	47.80	15.00	138.97	1.90	0.30	8.22	162.24	0.00	1.00	2.83	0.00	138.97	3.72	101.99	0.58	17.82	N/A	N/A	N/A	N/A
436	4.36	2.17	49.94	4.00	1.25E-007	3.72E-004	9.00	29.32	0.00	0.00	0.00	47.33	15.00	139.62	1.91	0.30	8.23	161.58	0.00	1.00	2.94	0.00	139.62	3.64	99.78	0.58	17.78	N/A	N/A	N/A	N/A
437	4.37	2.15	45.88	4.00	1.39E-007	4.10E-004	8.00	29.04	0.00	0.00	0.00	45.71	15.00	138.28	1.88	0.30	8.12	159.25	0.00	1.00	3.16	0.00	138.28	3.51	95.01	0.58	17.68	N/A	N/A	N/A	N/A
438	4.38	2.13	43.35	4.00	1.47E-007	4.30E-004	8.00	28.76	0.00	0.00	0.00	44.64	15.00	136.93	1.86	0.30	8.02	157.68	0.00	1.00	3.32	0.00	136.93	3.45	92.10	0.58	17.61	N/A	N/A	N/A	N/A
439	4.39	2.07	39.60	4.00	1.51E-007	4.31E-004	8.00	27.91	0.00	0.00	0.00	42.80	15.00	132.92	1.80	0.30	7.76	154.90	0.00	1.00	3.52	0.00	132.92	3.41	88.25	0.58	17.50	N/A	N/A	N/A	N/A
440	4.40	2.05	37.99	4.00	1.55E-007	4.37E-004	8.00	27.63	0.00	0.00	0.00	42.05	15.00	131.58	1.78	0.30	7.66	153.76	0.00	1.00	3.64	0.00	131.58	3.38	86.41	0.58	17.45	N/A	N/A	N/A	N/A
441	4.41	1.98	35.98	4.00	1.46E-007	3.97E-004	8.00	26.65	0.00	0.00	0.00	40.81	15.00	126.90	1.71	0.30	7.38	151.81	0.00	1.00	3.70	0.00	126.90	3.45	84.90	0.58	17.37	N/A	N/A	N/A	N/A
442	4.42	1.95	35.09	4.00	1.42E-007	3.81E-004	8.00	26.23	0.00	0.00	0.00	40.28	15.00	124.89	1.68	0.30	7.26	150.98	0.00	1.00	3.74	0.00	124.89	3.48	84.17	0.58	17.34	N/A	N/A	N/A	N/A
443	4.43	1.90	34.75	4.00	1.29E-007	3.36E-004	7.00	25.52	0.00	0.00	0.00	39.86	15.00	121.54	1.63	0.30	7.06	150.28	0.00	1.00	3.67	0.00	121.54	3.60	84.60	0.58	17.32	N/A	N/A	N/A	N/A
444	4.44	1.90	34.08	4.00	1.33E-007	3.45E-004	7.00	25.52	0.00	0.00	0.00	39.61	15.00	121.53	1.63	0.30	7.04	149.89	0.00	1.00	3.74	0.00	121.53	3.56	83.61	0.58	17.29	N/A	N/A	N/A	N/A
445	4.45	1.89	33.58	4.00	1.32E-007	3.42E-004	7.00	25.38	0.00	0.00	0.00	39.36	15.00	120.85	1.62	0.30	6.99	149.51	0.00	1.00	3.78	0.00	120.85	3.57	83.06	0.58	17.27	N/A	N/A	N/A	N/A
446	4.46	1.89	33.58	4.00	1.32E-007	3.40E-004	7.00	25.38	0.00	0.00	0.00	39.39	15.00	120.84	1.61	0.30	6.97	149.57	0.00	1.00	3.78	0.00	120.84	3.57	83.03	0.58	17.27	N/A	N/A	N/A	N/A
447	4.47	1.91	33.61	4.00	1.37E-007	3.58E-004	7.00	25.65	0.00	0.00	0.00	39.56	15.00	122.16	1.63	0.30	7.03	149.87	0.00	1.00	3.82	0.00	122.16	3.53	82.68	0.58	17.28	N/A	N/A	N/A	N/A
448	4.48	1.93	33.64	4.00	1.42E-007	3.75E-004	8.00	25.93	0.00	0.00	0.00	39.73	15.00	123.49	1.64	0.30	7.09	150.17	0.00	1.00	3.85	0.00	123.49	3.48	82.33	0.58	17.28	N/A	N/A	N/A	N/A
449	4.49	1.95	33.26	4.00	1.50E-007	4.02E-004	8.00	26.21	0.00	0.00	0.00	39.72	15.00	124.81	1.65	0.30	7.15	150.18	0.00	1.00	3.94	0.00	124.81	3.42	81.40	0.58	17.27	N/A	N/A	N/A	N/A
450	4.50	1.98	32.63	4.00	1.65E-007	4.48E-004	8.00	26.63	0.00	0.00	0.00	39.65	15.00	126.80	1.68	0.30	7.24	150.12	0.00	1.00	4.08	0.00	126.80	3.32	79.96	0.58	17.26	N/A	N/A	N/A	N/A
451	4.51	2.05	31.78	5.00	1.99E-007	5.59E-004	8.00	27.61	27.00	33.05	34.33	39.70	0.00	0.00	0.00	0.30	0.00	150.30	-0.06	0.00	0.00	0.00	49.33	3.12	77.58	0.48	17.24	N/A	N/A	N/A	N/A
452	4.52	2.08	31.03	5.00	2.19E-007	6.24E-004	8.00	28.02	27.00	32.92	34.25	39.56	0.00	0.00	0.00	0.30	0.00	150.12	-0.06	0.00	0.00	0.00	49.18	3.02	76.05	0.42	17.22	N/A	N/A	N/A	N/A
453	4.53	2.12	30.33	5.00	2.45E-007	7.13E-004	8.00	28.58	27.00	32.77	34.23	39.49	0.00	0.00	0.00	0.30	0.00	150.07	-0.06	0.00	0.00	0.00	49.02	2.91	74.46	0.37	17.20	N/A	N/A	N/A	N/A
454	4.54	2.16	29.98	5.00	2.69E-007	7.98E-004	8.00	29.14	27.00	32.67	34.31	39.57	0.00	0.00	0.00	0.30	0.00	150.26	-0.06	0.00	0.00	0.00	48.94	2.82	73.39	0.34	17.19	N/A	N/A	N/A	N/A
455	4.55	2.22	29.92	5.00	3.01E-007	9.20E-004	8.00	29.98	28.00	32.59	34.58	39.90	0.00	0.00	0.00	0.30	0.00	150.84	-0.05	0.00	0.00	0.00	48.89	2.72	72.48	0.31	17.20	N/A	N/A	N/A	N/A
456	4.56	2.24	30.05	5.00	3.09E-007	9.53E-004	8.00	30.25	28.00	32.58	34.74	40.10	0.00	0.00	0.00	0.30	0.00	151.18	-0.05	0.00	0.00	0.00	48.98	2.70	72.38	0.31	17.21	N/A	N/A	N/A	N/A
457	4.57	2.28	30.33	5.00	3.26E-007	1.02E-003	8.00	30.81	28.00	32.56	35.03	40.48	0.00	0.00	0.00	0.30	0.00	151.82	-0.05	0.00	0.00	0.00	49.07	2.65	72.23	0.31	17.23	N/A	N/A	N/A	N/A
458	4.58	2.28	30.62	5.00	3.20E-007	1.00E-003	8.00	30.81	28.00	32.60	35.16	40.65	0.00	0.00	0.00	0.30	0.00	152.09	-0.05	0.00	0.00	0.00	49.24	2.67	72.59	0.32	17.24	N/A	N/A	N/A	N/A
459	4.59	2.28	31.03	5.00	3.11E-007	9.78E-004	8.00	30.81	28.00	32.64	35.32	40.88	0.00	0.00	0.00	0.30	0.00	152.45	-0.06	0.00	0.00	0.00	49.44	2.69	73.10	0.33	17.25	N/A	N/A	N/A	N/A
460	4.60	2.26	31.47	5.00	2.92E-007	9.08E-004	8.00	30.52	28.00	32.72	35.41	41.01	0.00	0.00	0.00	0.30	0.00	152.64	-0.06	0.00	0.00	0.00	49.70	2.75	73.92	0.35	17.27	N/A	N/A	N/A	N/A
461	4.61	2.24	31.81	5.00	2.75E-007	8.47E-004	8.00	30.24	28.00	32.79	35.47	41.10	0.00	0.00	0.00	0.30	0.00	152.76	-0.06	0.00	0.00	0.00	49.93	2.80	74.61	0.37	17.28	N/A	N/A	N/A	N/A
462	4.62	2.22	32.29	5.00	2.57E-007	7.85E-004	8.00	29.96	27.00	32.87	35.57	41.25	0.00	0.00	0.00	0.30	0.00	152.97	-0.06	0.00	0.00	0.00	50.20	2.86	75.50	0.40	17.29	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
463	4.63	2.16	33.42	5.00	2.15E-007	6.38E-004	8.00	29.12	27.00	33.08	35.70	41.47	0.00	0.00	0.00	0.30	0.00	153.26	-0.06	0.00	0.00	0.00	50.72	3.04	77.85	0.49	17.32	N/A	N/A	N/A	N/A
464	4.64	2.14	34.27	4.00	1.97E-007	5.80E-004	8.00	28.83	0.00	0.00	0.00	41.77	15.00	137.31	1.76	0.30	7.61	153.71	0.00	1.00	4.21	0.00	137.31	3.13	79.28	0.55	17.34	N/A	N/A	N/A	N/A
465	4.65	2.11	36.70	4.00	1.65E-007	4.77E-004	8.00	28.41	0.00	0.00	0.00	42.71	15.00	135.30	1.73	0.30	7.50	155.10	0.00	1.00	3.87	0.00	135.30	3.32	82.98	0.58	17.42	N/A	N/A	N/A	N/A
466	4.66	2.09	37.80	4.00	1.50E-007	4.29E-004	8.00	28.13	0.00	0.00	0.00	43.10	15.00	133.95	1.71	0.30	7.42	155.67	0.00	1.00	3.72	0.00	133.95	3.42	84.75	0.58	17.45	N/A	N/A	N/A	N/A
467	4.67	2.10	39.13	4.00	1.43E-007	4.12E-004	8.00	28.27	0.00	0.00	0.00	43.76	15.00	134.61	1.71	0.30	7.45	156.67	0.00	1.00	3.61	0.00	134.61	3.47	86.30	0.58	17.49	N/A	N/A	N/A	N/A
468	4.68	2.10	39.60	4.00	1.39E-007	4.02E-004	8.00	28.27	0.00	0.00	0.00	44.00	15.00	134.60	1.71	0.30	7.44	157.03	0.00	1.00	3.57	0.00	134.60	3.50	86.88	0.58	17.50	N/A	N/A	N/A	N/A
469	4.69	2.09	39.92	4.00	1.34E-007	3.84E-004	8.00	28.12	0.00	0.00	0.00	44.11	15.00	133.92	1.70	0.30	7.39	157.19	0.00	1.00	3.52	0.00	133.92	3.55	87.45	0.58	17.51	N/A	N/A	N/A	N/A
470	4.70	2.13	39.82	4.00	1.45E-007	4.25E-004	8.00	28.68	0.00	0.00	0.00	44.34	15.00	136.57	1.73	0.30	7.52	157.59	0.00	1.00	3.60	0.00	136.57	3.46	86.59	0.58	17.52	N/A	N/A	N/A	N/A
471	4.71	2.15	39.85	4.00	1.50E-007	4.44E-004	8.00	28.96	0.00	0.00	0.00	44.51	15.00	137.90	1.74	0.30	7.57	157.87	0.00	1.00	3.63	0.00	137.90	3.42	86.26	0.58	17.52	N/A	N/A	N/A	N/A
472	4.72	2.21	39.63	4.00	1.70E-007	5.16E-004	8.00	29.80	0.00	0.00	0.00	44.80	15.00	141.88	1.79	0.30	7.76	158.37	0.00	1.00	3.76	0.00	141.88	3.28	84.94	0.58	17.52	N/A	N/A	N/A	N/A
473	4.73	2.24	39.63	4.00	1.79E-007	5.52E-004	9.00	30.21	0.00	0.00	0.00	45.01	15.00	143.87	1.81	0.30	7.85	158.72	0.00	1.00	3.81	0.00	143.87	3.23	84.43	0.58	17.53	N/A	N/A	N/A	N/A
474	4.74	2.26	39.60	4.00	1.85E-007	5.76E-004	9.00	30.49	0.00	0.00	0.00	45.15	15.00	145.20	1.82	0.30	7.90	158.95	0.00	1.00	3.85	0.00	145.20	3.19	84.05	0.58	17.53	N/A	N/A	N/A	N/A
475	4.75	2.28	39.98	4.00	1.88E-007	5.91E-004	9.00	30.77	0.00	0.00	0.00	45.46	15.00	146.52	1.83	0.30	7.96	159.43	0.00	1.00	3.85	0.00	146.52	3.17	84.18	0.58	17.55	N/A	N/A	N/A	N/A
476	4.76	2.28	39.89	4.00	1.88E-007	5.91E-004	9.00	30.77	0.00	0.00	0.00	45.46	15.00	146.51	1.83	0.30	7.95	159.44	0.00	1.00	3.86	0.00	146.51	3.17	84.04	0.58	17.54	N/A	N/A	N/A	N/A
477	4.77	2.25	39.85	4.00	1.77E-007	5.49E-004	9.00	30.34	0.00	0.00	0.00	45.31	15.00	144.49	1.80	0.30	7.83	159.20	0.00	1.00	3.81	0.00	144.49	3.24	84.44	0.58	17.54	N/A	N/A	N/A	N/A
478	4.78	2.24	39.70	4.00	1.74E-007	5.37E-004	9.00	30.20	0.00	0.00	0.00	45.22	15.00	143.82	1.79	0.30	7.78	159.07	0.00	1.00	3.80	0.00	143.82	3.25	84.39	0.58	17.53	N/A	N/A	N/A	N/A
479	4.79	2.21	39.38	4.00	1.66E-007	5.04E-004	8.00	29.78	0.00	0.00	0.00	44.94	15.00	141.80	1.76	0.30	7.66	158.65	0.00	1.00	3.78	0.00	141.80	3.31	84.45	0.58	17.52	N/A	N/A	N/A	N/A
480	4.80	2.11	38.56	4.00	1.41E-007	4.07E-004	8.00	28.38	0.00	0.00	0.00	44.03	15.00	135.13	1.67	0.30	7.30	157.22	0.00	1.00	3.68	0.00	135.13	3.49	85.04	0.58	17.47	N/A	N/A	N/A	N/A
481	4.81	2.08	38.25	4.00	1.33E-007	3.80E-004	8.00	27.95	0.00	0.00	0.00	43.75	15.00	133.11	1.64	0.30	7.18	156.79	0.00	1.00	3.65	0.00	133.11	3.56	85.12	0.58	17.46	N/A	N/A	N/A	N/A
482	4.82	2.05	38.15	4.00	1.25E-007	3.52E-004	8.00	27.53	0.00	0.00	0.00	43.56	15.00	131.10	1.61	0.30	7.07	156.48	0.00	1.00	3.61	0.00	131.10	3.63	85.49	0.58	17.45	N/A	N/A	N/A	N/A
483	4.83	1.98	38.34	4.00	1.06E-007	2.88E-004	8.00	26.55	0.00	0.00	0.00	43.24	15.00	126.42	1.55	0.30	6.82	155.94	0.00	1.00	3.46	0.00	126.42	3.83	86.97	0.58	17.44	N/A	N/A	N/A	N/A
484	4.84	1.96	38.56	4.00	1.00E-007	2.69E-004	8.00	26.27	0.00	0.00	0.00	43.25	15.00	125.08	1.53	0.30	6.73	155.94	0.00	1.00	3.41	0.00	125.08	3.90	87.60	0.58	17.45	N/A	N/A	N/A	N/A
485	4.85	1.94	39.38	4.00	9.22E-008	2.44E-004	8.00	25.98	0.00	0.00	0.00	43.50	15.00	123.73	1.51	0.30	6.66	156.30	0.00	1.00	3.30	0.00	123.73	4.01	89.03	0.58	17.47	N/A	N/A	N/A	N/A
486	4.86	1.96	39.35	4.00	9.60E-008	2.57E-004	8.00	26.26	0.00	0.00	0.00	43.65	15.00	125.06	1.53	0.30	6.71	156.56	0.00	1.00	3.34	0.00	125.06	3.96	88.59	0.58	17.47	N/A	N/A	N/A	N/A
487	4.87	2.01	38.81	4.00	1.09E-007	3.00E-004	8.00	26.96	0.00	0.00	0.00	43.77	15.00	128.38	1.56	0.30	6.87	156.80	0.00	1.00	3.47	0.00	128.38	3.80	86.93	0.58	17.46	N/A	N/A	N/A	N/A
488	4.88	2.05	39.10	4.00	1.17E-007	3.27E-004	8.00	27.52	0.00	0.00	0.00	44.18	15.00	131.03	1.59	0.30	6.99	157.45	0.00	1.00	3.52	0.00	131.03	3.72	86.57	0.58	17.48	N/A	N/A	N/A	N/A
489	4.89	2.12	38.75	4.00	1.36E-007	3.96E-004	8.00	28.49	0.00	0.00	0.00	44.48	15.00	135.69	1.65	0.30	7.21	157.99	0.00	1.00	3.68	0.00	135.69	3.53	84.88	0.58	17.48	N/A	N/A	N/A	N/A
490	4.90	2.31	37.27	5.00	2.10E-007	6.66E-004	9.00	31.15	27.00	33.26	38.37	44.96	0.00	0.00	0.00	0.30	0.00	158.89	-0.07	0.00	0.00	0.00	54.18	3.06	79.99	0.58	17.47	N/A	N/A	N/A	N/A
491	4.91	2.42	36.76	5.00	2.61E-007	8.68E-004	9.00	32.69	28.00	33.07	38.71	45.36	0.00	0.00	0.00	0.30	0.00	159.59	-0.06	0.00	0.00	0.00	53.90	2.85	77.82	0.49	17.47	N/A	N/A	N/A	N/A
492	4.92	2.42	36.76	5.00	2.59E-007	8.64E-004	9.00	32.69	28.00	33.07	38.74	45.40	0.00	0.00	0.00	0.30	0.00	159.65	-0.06	0.00	0.00	0.00	54.01	2.86	77.80	0.49	17.47	N/A	N/A	N/A	N/A
493	4.93	2.42	36.76	5.00	2.58E-007	8.60E-004	9.00	32.69	28.00	33.07	38.77	45.43	0.00	0.00	0.00	0.30	0.00	159.71	-0.06	0.00	0.00	0.00	54.12	2.86	77.78	0.49	17.47	N/A	N/A	N/A	N/A
494	4.94	2.84	31.62	5.00	6.51E-007	2.56E-003	10.00	38.56	30.00	32.11	38.70	45.06	0.00	0.00	0.00	0.30	0.00	159.56	-0.04	0.00	0.00	0.00	52.28	2.13	67.67	0.21	17.36	N/A	N/A	N/A	N/A
495	4.95	2.87	32.26	5.00	6.56E-007	2.61E-003	10.00	38.98	30.00	32.16	39.06	45.55	0.00	0.00	0.00	0.30	0.00	160.31	-0.04	0.00	0.00	0.00	52.48	2.13	68.13	0.22	17.39	N/A	N/A	N/A	N/A
496	4.96	2.87	34.97	5.00	5.72E-007	2.27E-003	10.00	38.98	30.00	32.44	40.03	46.94	0.00	0.00	0.00	0.30	0.00	162.30	-0.05	0.00	0.00	0.00	53.17	2.22	70.98	0.28	17.48	N/A	N/A	N/A	N/A
497	4.97	2.86	36.16	5.00	5.31E-007	2.10E-003	10.00	38.84	30.00	32.57	40.43	47.50	0.00	0.00	0.00	0.30	0.00	163.10	-0.05	0.00	0.00	0.00	53.54	2.27	72.30	0.31	17.52	N/A	N/A	N/A	N/A
498	4.98	2.84	37.43	5.00	4.85E-007	1.90E-003	10.00	38.55	30.00	32.71	40.81	48.05	0.00	0.00	0.00	0.30	0.00	163.86	-0.06	0.00	0.00	0.00	53.94	2.34	73.80	0.35	17.55	N/A	N/A	N/A	N/A
499	4.99	2.75	39.03	5.00	3.92E-007	1.49E-003	10.00	37.29	30.00	32.95	41.01	48.39	0.00	0.00	0.00	0.30	0.00	164.27	-0.06	0.00	0.00	0.00	54.55	2.50	76.37	0.43	17.59	N/A	N/A	N/A	N/A
500	5.00	2.70	40.45	5.00	3.39E-007	1.27E-003	10.00	36.59	29.00	33.13	41.30	48.82	0.00	0.00	0.00	0.30	0.00	164.85	-0.07	0.00	0.00	0.00	55.05	2.62	78.46	0.51	17.62	N/A	N/A	N/A	N/A
501	5.01	2.63	41.93	5.00	2.84E-007	1.03E-003	10.00	35.61	29.00	33.34	41.51	49.16	0.00	0.00	0.00	0.30	0.00	165.27	-0.07	0.00	0.00	0.00	55.61	2.77	80.92	0.63	17.66	N/A	N/A	N/A	N/A
502	5.02	2.61	43.04	5.00	2.61E-007	9.42E-004	10.00	35.32	29.00	33.47	41.80	49.58	0.00	0.00	0.00	0.30	0.00	165.84	-0.07	0.00	0.00	0.00	55.99	2.85	82.40	0.66	17.68	N/A	N/A	N/A	N/A
503	5.03	2.61	44.20	5.00	2.49E-007	8.95E-004	10.00	35.32	29.00	33.57	42.19	50.12	0.00	0.00	0.00	0.30	0.00	166.60	-0.07	0.00	0.00	0.00	56.33	2.90	83.68	0.66	17.71	N/A	N/A	N/A	N/A
504	5.04	2.61	44.84	5.00	2.41E-007	8.69E-004	10.00	35.32	29.00	33.63	42.41	50.43	0.00	0.00	0.00	0.30	0.00	167.04	-0.08	0.00	0.00	0.00	56.57	2.92	84.37	0.67	17.73	N/A	N/A	N/A	N/A
505	5.05	2.61	45.84	5.00	2.31E-007	8.32E-004	10.00	35.32	29.00	33.72	42.74	50.90	0.00	0.00	0.00	0.30	0.00	167.69	-0.08	0.00	0.00	0.00	56.88	2.97	85.45	0.67	17.76	N/A	N/A	N/A	N/A
506	5.06	2.60	46.00	5.00	2.25E-007	8.06E-004	10.00	35.17	29.00	33.74	42.78	50.95	0.00	0.00	0.00	0.30	0.00	167.76	-0.08	0.00	0.00	0.00	57.05	2.99	85.74	0.67	17.76	N/A	N/A	N/A	N/A
507	5.07	2.58	46.00	4.00	2.17E-007	7.70E-004	10.00	34.89	0.00	0.00	0.00	50.88	15.00	166.15	1.94	0.30	8.51	167.66	0.00	1.00	3.79	0.00	166.15	3.03	86.00	0.58	17.76	N/A	N/A	N/A	N/A
508	5.08	2.52	45.75	4.00	1.97E-007	6.83E-004	10.00	34.05	0.00	0.00	0.00	50.48	15.00	162.14	1.89	0.30	8.30	167.07	0.00	1.00	3.72	0.00	162.14	3.13	86.55	0.58	17.74	N/A	N/A	N/A	N/A
509	5.09	2.49	45.28	4.00	1.89E-007	6.49E-004	9.00	33.63	0.00	0.00	0.00	50.15	15.00	160.13	1.86	0.30	8.19	166.60	0.00	1.00	3.71	0.00	160.13	3.17	86.43	0.58	17.72	N/A	N/A	N/A	N/A
510	5.10	2.42	43.73	4.00	1.77E-007	5.90E-004	9.00	32.65	0.00	0.00	0.00	49.13	15.00	155.45	1.81	0.30	7.94	165.14	0.00	1.00	3.73	0.00	155.45	3.24	85.66	0.58	17.67	N/A	N/A	N/A	N/A
511	5.11	2.38	43.04	4.00	1.69E-007	5.52E-004	9.00	32.08	0.00	0.00	0.00	48.64	15.00	152.77	1.77	0.30	7.79	164.43	0.00	1.00	3.73	0.00	152.77	3.29	85.43	0.58	17.65	N/A	N/A	N/A	N/A
512	5.12	2.33	42.41	4.00	1.57E-007	5.03E-004	9.00	31.38	0.00	0.00	0.00	48.11	15.00	149.43	1.73	0.30	7.61	163.66	0.00	1.00	3.70	0.00	149.43	3.37	85.43	0.58	17.62	N/A	N/A	N/A	N/A
513	5.13	2.21	41.27	4.00	1.31E-007	3.96E-004	9.00	29.70	0.00	0.00	0.00	46.95	15.00	141.42	1.63	0.30	7.20	161.91	0.00	1.00	3.60	0.00	141.42	3.58	85.94	0.58	17.57	N/A	N/A	N/A	N/A
514	5.14	2.15	41.08	4.00	1.16E-007	3.42E-004	9.00	28.85	0.00	0.00	0.00	46.55	15.00	137.40	1.58	0.30	6.99	161.28	0.00	1.00	3.51	0.00	137.40	3.72	86.67	0.58	17.56	N/A	N/A	N/A	N/A
515	5.15	2.10	40.83	4.00	1.06E-007	3.03E-004	8.00	28.15	0.00	0.00	0.00	46.17	15.00	134.06	1.54	0.30	6.82	160.69	0.00	1.00	3.45	0.00	134.06	3.84	87.19	0.58	17.54	N/A	N/A	N/A	N/A
516	5.16	2.01	40.74	4.00	8.73E-008	2.39E-004	8.00	26.89	0.00	0.00	0.00	45.60	15.00	128.05	1.47	0.30	6.51	159.79	0.00	1.00	3.30	0.00	128.05	4.08	88.62	0.58	17.52	N/A	N/A	N/A	N/A
517	5.17	1.98	40.67	4.00	8.16E-008	2.20E-004	8.00	26.47	0.00	0.00	0.00	45.41	15.00	126.03	1.44	0.30	6.40	159.50	0.00	1.00	3.25	0.00	126.03	4.17	89.04	0.58	17.51	N/A	N/A	N/A	N/A
518	5.18	1.90	39.95	4.00	7.00E-008	1.81E-004	8.00	25.34	0.00	0.00	0.00	44.62	15.00	120.69	1.38	0.30	6.12	158.26	0.00	1.00	3.17	0.00	120.69	4.39	89.54	0.58	17.48	N/A	N/A	N/A	N/A
519	5.19	1.85	39.54	4.00	6.31E-008	1.59E-004	8.00	24.64	0.00	0.00	0.00	44.14	15.00	117.34	1.34	0.30	5.95	157.52	0.00	1.00	3.12	0.00	117.34	4.53	89.91	0.58	17.45	N/A	N/A	N/A	N/A
520	5.20	1.79	39.10	4.00	5.55E-008	1.35E-004	8.00	23.80	0.00	0.00	0.00	43.58	15.00	113.33	1.29	0.30	5.74	156.63	0.00	1.00	3.04	0.00	113.33	4.73	90.43	0.58	17.43	N/A	N/A	N/A	N/A
521	5.21	1.72	40.74	4.00	4.31E-008	1.00E-004	7.00	22.82	0.00	0.00	0.00	43.82	15.00	108.65	1.23	0.30	5.50	156.90	0.00	1.00	2.80	0.00	108.65	5.12	93.88	0.58	17.46	N/A	N/A	N/A	N/A
522	5.22	1.70	41.52	4.00	3.94E-008	9.05E-005	7.00	22.53	0.00	0.00	0.00	44.03	15.00	107.31	1.22	0.30	5.43	157.20	0.00	1.00	2.71	0.00	107.31	5.26	95.25	0.58	17.48	N/A	N/A	N/A	N/A
523	5.23	1.68	42.12	4.00	3.63E-008	8.22E-005	7.00	22.25	0.00	0.00	0.00	44.16	15.00	105.96	1.20	0.30	5.35	157.38	0.00	1.00	2.64	0.00	105.96	5.40	96.38	0.58	17.49	N/A	N/A	N/A	N/A
524	5.24	1.67	42.34	4.00	3.48E-008	7.85E-005	7.00	22.11	0.00	0.00	0.00	44.21	15.00	105.29	1.19	0.30	5.31	157.46	0.00	1.00	2.61	0.00	105.29	5.47	96.82	0.58	17.49	N/A	N/A	N/A	N/A
525	5.25	1.67	42.03	4.00	3.51E-008	7.91E-005	7.00	22.11	0.00	0.00	0.00	44.12	15.00	105.27	1.19	0.30	5.30	157.33	0.00	1.00	2.63	0.00	105.27	5.45	96.38	0.58	17.48	N/A	N/A	N/A	N/A
526	5.26	1.68	41.30	4.00	3.70E-008	8.39E-005	7.00	22.25	0.00	0.00	0.00	43.93	15.00	105.93	1.19	0.30	5.32	157.07	0.00	1.00	2.69	0.00	105.93	5.37	95.20	0.58	17.47	N/A	N/A	N/A	N/A
527	5.27	1.69	40.64	4.00	3.89E-008	8.87E-005	7.00	22.38	0.00	0.00	0.00	43.76	15.00	106.58	1.20	0.30	5.34	156.85	0.00	1.00	2.75	0.00	106.58	5.28	94.11	0.58	17.45	N/A	N/A	N/A	N/A
528	5.28	1.70	39.38	4.00	4.20E-008	9.64E-005	7.00	22.52	0.00	0.00	0.00	43.34	15.00	107.24	1.20	0.30	5.36	156.24	0.00	1.00	2.86	0.00	107.24	5.16	92.24	0.58	17.42	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
529	5.29	1.71	38.84	4.00	4.39E-008	1.01E-004	7.00	22.66	0.00	0.00	0.00	43.22	15.00	107.90	1.21	0.30	5.39	156.08	0.00	1.00	2.92	0.00	107.90	5.09	91.30	0.58	17.40	N/A	N/A	N/A	N/A
530	5.30	1.74	38.09	4.00	4.88E-008	1.15E-004	7.00	23.08	0.00	0.00	0.00	43.14	15.00	109.88	1.23	0.30	5.47	156.01	0.00	1.00	3.03	0.00	109.88	4.92	89.72	0.58	17.39	N/A	N/A	N/A	N/A
531	5.31	1.78	36.39	4.00	5.81E-008	1.40E-004	8.00	23.63	0.00	0.00	0.00	42.70	15.00	112.54	1.25	0.30	5.59	155.41	0.00	1.00	3.25	0.00	112.54	4.66	86.69	0.58	17.34	N/A	N/A	N/A	N/A
532	5.32	1.81	35.79	4.00	6.41E-008	1.57E-004	8.00	24.05	0.00	0.00	0.00	42.66	15.00	114.53	1.27	0.30	5.67	155.41	0.00	1.00	3.36	0.00	114.53	4.51	85.32	0.58	17.33	N/A	N/A	N/A	N/A
533	5.33	1.82	35.22	4.00	6.72E-008	1.66E-004	8.00	24.19	0.00	0.00	0.00	42.51	15.00	115.18	1.28	0.30	5.69	155.19	0.00	1.00	3.43	0.00	115.18	4.45	84.35	0.58	17.31	N/A	N/A	N/A	N/A
534	5.34	1.85	34.84	4.00	7.32E-008	1.84E-004	8.00	24.61	0.00	0.00	0.00	42.56	15.00	117.17	1.30	0.30	5.78	155.31	0.00	1.00	3.53	0.00	117.17	4.32	83.28	0.58	17.31	N/A	N/A	N/A	N/A
535	5.35	1.86	34.18	4.00	7.71E-008	1.94E-004	8.00	24.74	0.00	0.00	0.00	42.35	15.00	117.83	1.30	0.30	5.80	155.02	0.00	1.00	3.62	0.00	117.83	4.25	82.20	0.58	17.29	N/A	N/A	N/A	N/A
536	5.36	1.86	31.97	4.00	8.59E-008	2.17E-004	8.00	24.74	0.00	0.00	0.00	41.34	15.00	117.82	1.30	0.30	5.78	153.51	0.00	1.00	3.87	0.00	117.82	4.11	79.17	0.54	17.21	N/A	N/A	N/A	N/A
537	5.37	1.86	30.80	4.00	9.10E-008	2.29E-004	8.00	24.74	0.00	0.00	0.00	40.81	15.00	117.81	1.30	0.30	5.77	152.70	0.00	1.00	4.02	0.00	117.81	4.03	77.54	0.48	17.17	N/A	N/A	N/A	N/A
538	5.38	1.85	29.51	4.00	9.49E-008	2.38E-004	7.00	24.60	0.00	0.00	0.00	40.14	15.00	117.13	1.29	0.30	5.73	151.67	0.00	1.00	4.17	0.00	117.13	3.97	75.88	0.41	17.12	N/A	N/A	N/A	N/A
539	5.39	1.86	28.79	4.00	1.01E-007	2.54E-004	7.00	24.73	0.00	0.00	0.00	39.87	15.00	117.78	1.29	0.30	5.75	151.28	0.00	1.00	4.30	0.00	117.78	3.90	74.68	0.38	17.09	N/A	N/A	N/A	N/A
540	5.40	1.86	28.47	4.00	1.02E-007	2.58E-004	7.00	24.73	0.00	0.00	0.00	39.74	15.00	117.77	1.29	0.30	5.74	151.08	0.00	1.00	4.34	0.00	117.77	3.88	74.21	0.36	17.08	N/A	N/A	N/A	N/A
541	5.41	1.87	28.00	4.00	1.07E-007	2.71E-004	7.00	24.87	0.00	0.00	0.00	39.59	15.00	118.43	1.29	0.30	5.76	150.87	0.00	1.00	4.44	0.00	118.43	3.82	73.37	0.34	17.06	N/A	N/A	N/A	N/A
542	5.42	1.87	27.84	4.00	1.08E-007	2.73E-004	7.00	24.87	0.00	0.00	0.00	39.53	15.00	118.42	1.29	0.30	5.75	150.80	0.00	1.00	4.47	0.00	118.42	3.82	73.12	0.33	17.05	N/A	N/A	N/A	N/A
543	5.43	1.86	28.03	4.00	1.03E-007	2.61E-004	7.00	24.73	0.00	0.00	0.00	39.60	15.00	117.74	1.28	0.30	5.71	150.90	0.00	1.00	4.41	0.00	117.74	3.87	73.53	0.34	17.06	N/A	N/A	N/A	N/A
544	5.44	1.86	28.19	4.00	1.02E-007	2.57E-004	7.00	24.72	0.00	0.00	0.00	39.71	15.00	117.73	1.28	0.30	5.70	151.08	0.00	1.00	4.39	0.00	117.73	3.88	73.74	0.35	17.07	N/A	N/A	N/A	N/A
545	5.45	1.85	28.53	4.00	9.72E-008	2.44E-004	7.00	24.58	0.00	0.00	0.00	39.85	15.00	117.05	1.27	0.30	5.66	151.30	0.00	1.00	4.31	0.00	117.05	3.94	74.37	0.37	17.08	N/A	N/A	N/A	N/A
546	5.46	1.84	29.10	4.00	9.15E-008	2.28E-004	7.00	24.44	0.00	0.00	0.00	40.10	15.00	116.37	1.26	0.30	5.62	151.69	0.00	1.00	4.20	0.00	116.37	4.02	75.31	0.40	17.10	N/A	N/A	N/A	N/A
547	5.47	1.83	29.57	4.00	8.66E-008	2.14E-004	7.00	24.30	0.00	0.00	0.00	40.31	15.00	115.69	1.25	0.30	5.58	152.00	0.00	1.00	4.11	0.00	115.69	4.10	76.12	0.42	17.11	N/A	N/A	N/A	N/A
548	5.48	1.83	30.58	4.00	8.15E-008	2.02E-004	7.00	24.29	0.00	0.00	0.00	40.84	15.00	115.68	1.25	0.30	5.57	152.82	0.00	1.00	3.97	0.00	115.68	4.18	77.51	0.47	17.15	N/A	N/A	N/A	N/A
549	5.49	1.83	31.03	4.00	7.92E-008	1.96E-004	8.00	24.29	0.00	0.00	0.00	41.09	15.00	115.67	1.25	0.30	5.56	153.22	0.00	1.00	3.91	0.00	115.67	4.22	78.11	0.50	17.17	N/A	N/A	N/A	N/A
550	5.50	1.83	31.50	4.00	7.69E-008	1.90E-004	8.00	24.29	0.00	0.00	0.00	41.35	15.00	115.66	1.24	0.30	5.55	153.62	0.00	1.00	3.86	0.00	115.66	4.26	78.73	0.53	17.19	N/A	N/A	N/A	N/A
551	5.51	1.84	32.41	4.00	7.47E-008	1.86E-004	8.00	24.43	0.00	0.00	0.00	41.88	15.00	116.32	1.25	0.30	5.57	154.45	0.00	1.00	3.77	0.00	116.32	4.30	79.79	0.57	17.22	N/A	N/A	N/A	N/A
552	5.52	1.85	32.60	4.00	7.54E-008	1.89E-004	8.00	24.56	0.00	0.00	0.00	42.07	15.00	116.97	1.25	0.30	5.59	154.75	0.00	1.00	3.77	0.00	116.97	4.28	79.85	0.58	17.23	N/A	N/A	N/A	N/A
553	5.53	1.87	32.03	4.00	8.11E-008	2.05E-004	8.00	24.84	0.00	0.00	0.00	41.95	15.00	118.29	1.26	0.30	5.65	154.61	0.00	1.00	3.88	0.00	118.29	4.18	78.73	0.53	17.22	N/A	N/A	N/A	N/A
554	5.54	1.89	31.62	4.00	8.65E-008	2.21E-004	8.00	25.12	0.00	0.00	0.00	41.90	15.00	119.62	1.28	0.30	5.70	154.58	0.00	1.00	3.97	0.00	119.62	4.10	77.83	0.49	17.20	N/A	N/A	N/A	N/A
555	5.55	1.88	30.99	4.00	8.70E-008	2.21E-004	8.00	24.98	0.00	0.00	0.00	41.56	15.00	118.94	1.27	0.30	5.66	154.06	0.00	1.00	4.03	0.00	118.94	4.09	77.12	0.46	17.18	N/A	N/A	N/A	N/A
556	5.56	1.87	30.84	4.00	8.52E-008	2.16E-004	8.00	24.83	0.00	0.00	0.00	41.46	15.00	118.26	1.26	0.30	5.62	153.89	0.00	1.00	4.03	0.00	118.26	4.12	77.05	0.46	17.17	N/A	N/A	N/A	N/A
557	5.57	1.87	30.90	4.00	8.46E-008	2.14E-004	8.00	24.83	0.00	0.00	0.00	41.52	15.00	118.25	1.25	0.30	5.61	153.99	0.00	1.00	4.02	0.00	118.25	4.13	77.11	0.46	17.17	N/A	N/A	N/A	N/A
558	5.58	1.87	30.80	4.00	8.47E-008	2.14E-004	8.00	24.83	0.00	0.00	0.00	41.50	15.00	118.24	1.25	0.30	5.60	153.97	0.00	1.00	4.03	0.00	118.24	4.13	76.96	0.45	17.17	N/A	N/A	N/A	N/A
559	5.59	1.88	30.99	4.00	8.54E-008	2.17E-004	8.00	24.97	0.00	0.00	0.00	41.68	15.00	118.89	1.26	0.30	5.62	154.28	0.00	1.00	4.03	0.00	118.89	4.11	77.04	0.46	17.18	N/A	N/A	N/A	N/A
560	5.60	1.89	31.15	4.00	8.63E-008	2.21E-004	8.00	25.11	0.00	0.00	0.00	41.85	15.00	119.55	1.26	0.30	5.64	154.56	0.00	1.00	4.03	0.00	119.55	4.10	77.07	0.46	17.19	N/A	N/A	N/A	N/A
561	5.61	1.87	31.03	4.00	8.25E-008	2.09E-004	8.00	24.82	0.00	0.00	0.00	41.70	15.00	118.20	1.25	0.30	5.57	154.31	0.00	1.00	4.00	0.00	118.20	4.16	77.21	0.46	17.18	N/A	N/A	N/A	N/A
562	5.62	1.88	31.06	4.00	8.40E-008	2.14E-004	8.00	24.96	0.00	0.00	0.00	41.81	15.00	118.86	1.25	0.30	5.59	154.50	0.00	1.00	4.02	0.00	118.86	4.14	77.07	0.46	17.18	N/A	N/A	N/A	N/A
563	5.63	1.90	31.21	4.00	8.69E-008	2.23E-004	8.00	25.24	0.00	0.00	0.00	42.03	15.00	120.18	1.26	0.30	5.64	154.87	0.00	1.00	4.04	0.00	120.18	4.09	76.94	0.45	17.19	N/A	N/A	N/A	N/A
564	5.64	1.92	31.15	4.00	9.09E-008	2.36E-004	8.00	25.52	0.00	0.00	0.00	42.16	15.00	121.50	1.27	0.30	5.69	155.09	0.00	1.00	4.10	0.00	121.50	4.03	76.52	0.44	17.19	N/A	N/A	N/A	N/A
565	5.65	1.93	31.37	4.00	9.15E-008	2.39E-004	8.00	25.65	0.00	0.00	0.00	42.36	15.00	122.16	1.28	0.30	5.71	155.42	0.00	1.00	4.09	0.00	122.16	4.02	76.64	0.44	17.20	N/A	N/A	N/A	N/A
566	5.66	1.92	33.17	4.00	8.10E-008	2.11E-004	8.00	25.51	0.00	0.00	0.00	43.21	15.00	121.48	1.27	0.30	5.68	156.69	0.00	1.00	3.85	0.00	121.48	4.18	79.17	0.54	17.27	N/A	N/A	N/A	N/A
567	5.67	1.92	34.84	4.00	7.42E-008	1.93E-004	8.00	25.51	0.00	0.00	0.00	44.04	15.00	121.47	1.27	0.30	5.67	157.93	0.00	1.00	3.66	0.00	121.47	4.30	81.33	0.58	17.32	N/A	N/A	N/A	N/A
568	5.68	1.91	36.01	4.00	6.82E-008	1.76E-004	8.00	25.37	0.00	0.00	0.00	44.56	15.00	120.79	1.26	0.30	5.63	158.69	0.00	1.00	3.52	0.00	120.79	4.42	82.98	0.58	17.36	N/A	N/A	N/A	N/A
569	5.69	1.86	37.49	4.00	5.63E-008	1.42E-004	8.00	24.66	0.00	0.00	0.00	44.95	15.00	117.45	1.22	0.30	5.47	159.22	0.00	1.00	3.29	0.00	117.45	4.70	85.68	0.58	17.39	N/A	N/A	N/A	N/A
570	5.70	1.83	38.59	4.00	4.96E-008	1.23E-004	8.00	24.24	0.00	0.00	0.00	45.28	15.00	115.44	1.20	0.30	5.37	159.67	0.00	1.00	3.14	0.00	115.44	4.90	87.55	0.58	17.42	N/A	N/A	N/A	N/A
571	5.71	1.81	39.79	4.00	4.46E-008	1.09E-004	8.00	23.96	0.00	0.00	0.00	45.70	15.00	114.09	1.18	0.30	5.30	160.28	0.00	1.00	3.01	0.00	114.09	5.06	89.37	0.58	17.45	N/A	N/A	N/A	N/A
572	5.72	1.80	42.06	4.00	3.93E-008	9.53E-005	8.00	23.82	0.00	0.00	0.00	46.66	15.00	113.41	1.17	0.30	5.26	161.66	0.00	1.00	2.83	0.00	113.41	5.27	92.31	0.58	17.51	N/A	N/A	N/A	N/A
573	5.73	1.81	42.69	4.00	3.90E-008	9.53E-005	8.00	23.95	0.00	0.00	0.00	47.03	15.00	114.07	1.18	0.30	5.28	162.21	0.00	1.00	2.81	0.00	114.07	5.28	92.87	0.58	17.53	N/A	N/A	N/A	N/A
574	5.74	1.83	42.66	4.00	4.08E-008	1.01E-004	8.00	24.23	0.00	0.00	0.00	47.19	15.00	115.39	1.19	0.30	5.33	162.48	0.00	1.00	2.84	0.00	115.39	5.20	92.45	0.58	17.54	N/A	N/A	N/A	N/A
575	5.75	1.85	43.20	4.00	4.17E-008	1.04E-004	8.00	24.51	0.00	0.00	0.00	47.60	15.00	116.71	1.20	0.30	5.38	163.09	0.00	1.00	2.84	0.00	116.71	5.17	92.72	0.58	17.56	N/A	N/A	N/A	N/A
576	5.76	1.91	44.90	4.00	4.47E-008	1.16E-004	8.00	25.35	0.00	0.00	0.00	48.77	15.00	120.70	1.24	0.30	5.56	164.82	0.00	1.00	2.82	0.00	120.70	5.06	93.67	0.58	17.61	N/A	N/A	N/A	N/A
577	5.77	1.94	45.28	4.00	4.70E-008	1.23E-004	8.00	25.76	0.00	0.00	0.00	49.17	15.00	122.69	1.26	0.30	5.64	165.42	0.00	1.00	2.85	0.00	122.69	4.98	93.56	0.58	17.63	N/A	N/A	N/A	N/A
578	5.78	1.97	47.07	4.00	4.67E-008	1.25E-004	8.00	26.18	0.00	0.00	0.00	50.16	15.00	124.68	1.27	0.30	5.72	166.84	0.00	1.00	2.78	0.00	124.68	4.99	95.09	0.58	17.68	N/A	N/A	N/A	N/A
579	5.79	1.99	48.15	4.00	4.67E-008	1.26E-004	9.00	26.46	0.00	0.00	0.00	50.78	15.00	126.00	1.28	0.30	5.77	167.73	0.00	1.00	2.75	0.00	126.00	4.99	95.95	0.58	17.71	N/A	N/A	N/A	N/A
580	5.80	2.00	48.81	4.00	4.64E-008	1.26E-004	9.00	26.60	0.00	0.00	0.00	51.16	15.00	126.65	1.29	0.30	5.79	168.27	0.00	1.00	2.72	0.00	126.65	5.00	96.49	0.58	17.73	N/A	N/A	N/A	N/A
581	5.81	2.00	48.68	4.00	4.64E-008	1.26E-004	9.00	26.59	0.00	0.00	0.00	51.14	15.00	126.64	1.29	0.30	5.78	168.26	0.00	1.00	2.73	0.00	126.64	5.00	96.31	0.58	17.72	N/A	N/A	N/A	N/A
582	5.82	1.98	48.46	4.00	4.45E-008	1.19E-004	9.00	26.31	0.00	0.00	0.00	50.95	15.00	125.30	1.27	0.30	5.71	167.98	0.00	1.00	2.71	0.00	125.30	5.06	96.37	0.58	17.71	N/A	N/A	N/A	N/A
583	5.83	1.97	48.46	4.00	4.34E-008	1.16E-004	9.00	26.17	0.00	0.00	0.00	50.92	15.00	124.62	1.26	0.30	5.67	167.94	0.00	1.00	2.70	0.00	124.62	5.11	96.50	0.58	17.71	N/A	N/A	N/A	N/A
584	5.84	1.96	47.89	4.00	4.31E-008	1.14E-004	9.00	26.03	0.00	0.00	0.00	50.65	15.00	123.94	1.25	0.30	5.63	167.57	0.00	1.00	2.72	0.00	123.94	5.12	95.99	0.58	17.70	N/A	N/A	N/A	N/A
585	5.85	1.96	47.23	4.00	4.40E-008	1.17E-004	8.00	26.03	0.00	0.00	0.00	50.41	15.00	123.93	1.25	0.30	5.62	167.25	0.00	1.00	2.76	0.00	123.93	5.08	95.20	0.58	17.68	N/A	N/A	N/A	N/A
586	5.86	1.94	44.87	4.00	4.59E-008	1.20E-004	8.00	25.74	0.00	0.00	0.00	49.32	15.00	122.58	1.23	0.30	5.55	165.71	0.00	1.00	2.87	0.00	122.58	5.02	92.79	0.58	17.62	N/A	N/A	N/A	N/A
587	5.87	1.93	44.20	4.00	4.58E-008	1.20E-004	8.00	25.60	0.00	0.00	0.00	49.00	15.00	121.91	1.23	0.30	5.51	165.27	0.00	1.00	2.90	0.00	121.91	5.02	92.14	0.58	17.60	N/A	N/A	N/A	N/A
588	5.88	1.92	43.57	4.00	4.57E-008	1.19E-004	8.00	25.46	0.00	0.00	0.00	48.69	15.00	121.23	1.22	0.30	5.47	164.84	0.00	1.00	2.92	0.00	121.23	5.02	91.54	0.58	17.58	N/A	N/A	N/A	N/A
589	5.89	1.92	42.16	4.00	4.83E-008	1.25E-004	8.00	25.46	0.00	0.00	0.00	48.11	15.00	121.22	1.21	0.30	5.46	164.03	0.00	1.00	3.02	0.00	121.22	4.94	89.84	0.58	17.54	N/A	N/A	N/A	N/A
590	5.90	1.93	41.52	4.00	5.05E-008	1.32E-004	8.00	25.59	0.00	0.00	0.00	47.93	15.00	121.87	1.22	0.30	5.48	163.79	0.00	1.00	3.08	0.00	121.87	4.87	88.88	0.58	17.53	N/A	N/A	N/A	N/A
591	5.91	1.95	40.93	4.00	5.40E-008	1.42E-004	8.00	25.87	0.00	0.00	0.00	47.83	15.00	123.19	1.23	0.30	5.53	163.68	0.00	1.00	3.16	0.00	123.19	4.77	87.82	0.58	17.51	N/A	N/A	N/A	N/A
592	5.92	1.95	40.93	4.00	5.38E-008	1.42E-004	8.00	25.87	0.00	0.00	0.00	47.87	15.00	123.18	1.23	0.30	5.52	163.74	0.00	1.00	3.16	0.00	123.18	4.77	87.79	0.58	17.51	N/A	N/A	N/A	N/A
593	5.93	1.95	40.93	4.00	5.36E-008	1.41E-004	8.00	25.87	0.00	0.00	0.00	47.90	15.00	123.17	1.23	0.30	5.51	163.80	0.00	1.00	3.16	0.00	123.17	4.78	87.76	0.58	17.51	N/A	N/A	N/A	N/A
594	5.94	2.15	36.67	4.00	9.99E-008	2.92E-004	9.00	28.68	0.00	0.00	0.00	47.21	15.00	136.56	1.36	0.30	6.10	163.02	0.00	1.00	3.91	0.00	136.56	3.91	79.47	0.56	17.42	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
595	5.95	2.18	36.42	4.00	1.07E-007	3.17E-004	9.00	29.10	0.00	0.00	0.00	47.29	15.00	138.55	1.37	0.30	6.18	163.19	0.00	1.00	3.99	0.00	138.55	3.82	78.71	0.52	17.42	N/A	N/A	N/A	N/A
596	5.96	2.22	36.26	4.00	1.16E-007	3.52E-004	9.00	29.65	0.00	0.00	0.00	47.48	15.00	141.20	1.40	0.30	6.29	163.50	0.00	1.00	4.09	0.00	141.20	3.72	77.93	0.49	17.42	N/A	N/A	N/A	N/A
597	5.97	2.25	36.29	4.00	1.23E-007	3.76E-004	9.00	30.07	0.00	0.00	0.00	47.70	15.00	143.19	1.41	0.30	6.36	163.85	0.00	1.00	4.14	0.00	143.19	3.65	77.52	0.48	17.43	N/A	N/A	N/A	N/A
598	5.98	2.27	36.10	4.00	1.28E-007	3.97E-004	9.00	30.35	0.00	0.00	0.00	47.75	15.00	144.51	1.42	0.30	6.41	163.95	0.00	1.00	4.20	0.00	144.51	3.60	77.00	0.45	17.43	N/A	N/A	N/A	N/A
599	5.99	2.29	35.79	4.00	1.35E-007	4.21E-004	9.00	30.63	0.00	0.00	0.00	47.74	15.00	145.84	1.44	0.30	6.46	163.97	0.00	1.00	4.28	0.00	145.84	3.54	76.34	0.43	17.42	N/A	N/A	N/A	N/A
600	6.00	2.29	35.91	4.00	1.33E-007	4.16E-004	9.00	30.62	0.00	0.00	0.00	47.84	15.00	145.82	1.43	0.30	6.45	164.11	0.00	1.00	4.26	0.00	145.82	3.56	76.47	0.44	17.42	N/A	N/A	N/A	N/A
601	6.01	2.28	35.85	4.00	1.31E-007	4.06E-004	9.00	30.48	0.00	0.00	0.00	47.78	15.00	145.14	1.42	0.30	6.41	164.03	0.00	1.00	4.25	0.00	145.14	3.58	76.51	0.44	17.42	N/A	N/A	N/A	N/A
602	6.02	2.26	35.69	4.00	1.26E-007	3.88E-004	9.00	30.20	0.00	0.00	0.00	47.62	15.00	143.80	1.41	0.30	6.34	163.79	0.00	1.00	4.23	0.00	143.80	3.62	76.58	0.44	17.41	N/A	N/A	N/A	N/A
603	6.03	2.25	35.47	4.00	1.24E-007	3.81E-004	9.00	30.06	0.00	0.00	0.00	47.49	15.00	143.12	1.40	0.30	6.30	163.60	0.00	1.00	4.24	0.00	143.12	3.64	76.44	0.43	17.40	N/A	N/A	N/A	N/A
604	6.04	2.24	35.38	4.00	1.22E-007	3.72E-004	9.00	29.91	0.00	0.00	0.00	47.42	15.00	142.44	1.39	0.30	6.26	163.51	0.00	1.00	4.23	0.00	142.44	3.66	76.45	0.43	17.40	N/A	N/A	N/A	N/A
605	6.05	2.24	35.38	4.00	1.22E-007	3.70E-004	9.00	29.91	0.00	0.00	0.00	47.45	15.00	142.43	1.39	0.30	6.25	163.56	0.00	1.00	4.23	0.00	142.43	3.67	76.43	0.43	17.40	N/A	N/A	N/A	N/A
606	6.06	2.24	35.03	4.00	1.23E-007	3.75E-004	9.00	29.91	0.00	0.00	0.00	47.30	15.00	142.42	1.39	0.30	6.24	163.37	0.00	1.00	4.27	0.00	142.42	3.65	75.99	0.42	17.39	N/A	N/A	N/A	N/A
607	6.07	2.24	32.29	4.00	1.40E-007	4.28E-004	9.00	29.91	0.00	0.00	0.00	45.93	15.00	142.41	1.38	0.30	6.24	161.42	0.00	1.00	4.63	0.00	142.41	3.50	72.65	0.32	17.29	N/A	N/A	N/A	N/A
608	6.08	2.25	31.18	4.00	1.51E-007	4.63E-004	9.00	30.04	0.00	0.00	0.00	45.43	15.00	143.06	1.39	0.30	6.26	160.71	0.00	1.00	4.82	0.00	143.06	3.41	71.14	0.28	17.26	N/A	N/A	N/A	N/A
609	6.09	2.26	30.21	4.00	1.62E-007	4.97E-004	9.00	30.18	0.00	0.00	0.00	45.00	15.00	143.72	1.39	0.30	6.27	160.10	0.00	1.00	5.00	0.00	143.72	3.34	69.80	0.25	17.22	N/A	N/A	N/A	N/A
610	6.10	2.26	29.13	5.00	1.71E-007	5.26E-004	9.00	30.18	24.00	32.19	38.57	44.44	0.00	0.00	0.00	0.30	0.00	159.30	-0.05	0.00	0.00	0.00	65.15	3.28	68.44	0.22	17.18	N/A	N/A	N/A	N/A
611	6.11	2.27	29.10	5.00	1.74E-007	5.37E-004	9.00	30.32	24.00	32.17	38.63	44.50	0.00	0.00	0.00	0.30	0.00	159.42	-0.05	0.00	0.00	0.00	65.22	3.26	68.27	0.22	17.18	N/A	N/A	N/A	N/A
612	6.12	2.30	29.54	5.00	1.79E-007	5.61E-004	9.00	30.73	25.00	32.19	38.95	44.94	0.00	0.00	0.00	0.30	0.00	160.08	-0.05	0.00	0.00	0.00	65.37	3.23	68.44	0.22	17.20	N/A	N/A	N/A	N/A
613	6.13	2.30	30.08	5.00	1.73E-007	5.42E-004	9.00	30.73	25.00	32.26	39.18	45.26	0.00	0.00	0.00	0.30	0.00	160.56	-0.05	0.00	0.00	0.00	65.64	3.26	69.09	0.24	17.22	N/A	N/A	N/A	N/A
614	6.14	2.33	30.90	5.00	1.75E-007	5.55E-004	9.00	31.15	25.00	32.32	39.65	45.90	0.00	0.00	0.00	0.30	0.00	161.52	-0.05	0.00	0.00	0.00	65.91	3.25	69.72	0.25	17.26	N/A	N/A	N/A	N/A
615	6.15	2.33	31.18	5.00	1.71E-007	5.44E-004	9.00	31.15	25.00	32.35	39.78	46.08	0.00	0.00	0.00	0.30	0.00	161.79	-0.05	0.00	0.00	0.00	66.10	3.27	70.05	0.26	17.27	N/A	N/A	N/A	N/A
616	6.16	2.34	31.75	4.00	1.69E-007	5.39E-004	9.00	31.28	0.00	0.00	0.00	46.47	15.00	148.97	1.43	0.30	6.44	162.36	0.00	1.00	4.93	0.00	148.97	3.29	70.60	0.27	17.29	N/A	N/A	N/A	N/A
617	6.17	2.37	32.66	4.00	1.70E-007	5.49E-004	9.00	31.70	0.00	0.00	0.00	47.14	15.00	150.96	1.44	0.30	6.52	163.36	0.00	1.00	4.85	0.00	150.96	3.28	71.31	0.28	17.33	N/A	N/A	N/A	N/A
618	6.18	2.37	33.33	4.00	1.64E-007	5.29E-004	9.00	31.70	0.00	0.00	0.00	47.52	15.00	150.95	1.44	0.30	6.51	163.91	0.00	1.00	4.76	0.00	150.95	3.32	72.09	0.30	17.35	N/A	N/A	N/A	N/A
619	6.19	2.38	34.05	4.00	1.60E-007	5.20E-004	9.00	31.84	0.00	0.00	0.00	47.98	15.00	151.60	1.44	0.30	6.52	164.58	0.00	1.00	4.67	0.00	151.60	3.35	72.80	0.32	17.38	N/A	N/A	N/A	N/A
620	6.20	2.38	34.59	4.00	1.55E-007	5.04E-004	9.00	31.83	0.00	0.00	0.00	48.30	15.00	151.59	1.44	0.30	6.51	165.03	0.00	1.00	4.60	0.00	151.59	3.38	73.42	0.34	17.40	N/A	N/A	N/A	N/A
621	6.21	2.37	35.12	4.00	1.48E-007	4.78E-004	9.00	31.69	0.00	0.00	0.00	48.55	15.00	150.91	1.43	0.30	6.47	165.38	0.00	1.00	4.51	0.00	150.91	3.44	74.15	0.36	17.41	N/A	N/A	N/A	N/A
622	6.22	2.35	36.20	4.00	1.35E-007	4.32E-004	9.00	31.41	0.00	0.00	0.00	49.02	15.00	149.57	1.42	0.30	6.41	166.03	0.00	1.00	4.34	0.00	149.57	3.54	75.64	0.41	17.44	N/A	N/A	N/A	N/A
623	6.23	2.34	37.02	4.00	1.27E-007	4.04E-004	9.00	31.27	0.00	0.00	0.00	49.41	15.00	148.89	1.41	0.30	6.37	166.57	0.00	1.00	4.22	0.00	148.89	3.61	76.71	0.44	17.47	N/A	N/A	N/A	N/A
624	6.24	2.33	37.52	4.00	1.21E-007	3.85E-004	9.00	31.12	0.00	0.00	0.00	49.63	15.00	148.21	1.40	0.30	6.33	166.88	0.00	1.00	4.15	0.00	148.21	3.67	77.40	0.47	17.48	N/A	N/A	N/A	N/A
625	6.25	2.32	38.59	4.00	1.13E-007	3.56E-004	9.00	30.98	0.00	0.00	0.00	50.13	15.00	147.53	1.39	0.30	6.29	167.58	0.00	1.00	4.01	0.00	147.53	3.76	78.74	0.53	17.51	N/A	N/A	N/A	N/A
626	6.26	2.32	38.94	4.00	1.11E-007	3.49E-004	9.00	30.98	0.00	0.00	0.00	50.34	15.00	147.52	1.39	0.30	6.28	167.87	0.00	1.00	3.98	0.00	147.52	3.78	79.12	0.54	17.52	N/A	N/A	N/A	N/A
627	6.27	2.33	39.82	4.00	1.08E-007	3.43E-004	9.00	31.12	0.00	0.00	0.00	50.86	15.00	148.18	1.39	0.30	6.30	168.60	0.00	1.00	3.91	0.00	148.18	3.81	79.96	0.58	17.55	N/A	N/A	N/A	N/A
628	6.28	2.34	40.20	4.00	1.08E-007	3.44E-004	9.00	31.25	0.00	0.00	0.00	51.13	15.00	148.83	1.40	0.30	6.32	169.00	0.00	1.00	3.89	0.00	148.83	3.81	80.23	0.58	17.56	N/A	N/A	N/A	N/A
629	6.29	2.35	40.42	4.00	1.09E-007	3.47E-004	9.00	31.39	0.00	0.00	0.00	51.33	15.00	149.49	1.40	0.30	6.33	169.28	0.00	1.00	3.88	0.00	149.49	3.80	80.33	0.58	17.57	N/A	N/A	N/A	N/A
630	6.30	2.36	40.83	4.00	1.08E-007	3.48E-004	9.00	31.53	0.00	0.00	0.00	51.62	15.00	150.14	1.40	0.30	6.35	169.70	0.00	1.00	3.86	0.00	150.14	3.81	80.63	0.58	17.58	N/A	N/A	N/A	N/A
631	6.31	2.37	41.05	4.00	1.09E-007	3.51E-004	9.00	31.67	0.00	0.00	0.00	51.81	15.00	150.80	1.41	0.30	6.37	169.98	0.00	1.00	3.86	0.00	150.80	3.80	80.72	0.58	17.59	N/A	N/A	N/A	N/A
632	6.32	2.41	41.46	4.00	1.15E-007	3.77E-004	10.00	32.23	0.00	0.00	0.00	52.27	15.00	153.45	1.43	0.30	6.47	170.64	0.00	1.00	3.89	0.00	153.45	3.74	80.61	0.58	17.61	N/A	N/A	N/A	N/A
633	6.33	2.43	41.90	4.00	1.16E-007	3.86E-004	10.00	32.50	0.00	0.00	0.00	52.63	15.00	154.78	1.44	0.30	6.52	171.15	0.00	1.00	3.88	0.00	154.78	3.72	80.80	0.58	17.62	N/A	N/A	N/A	N/A
634	6.34	2.45	42.12	4.00	1.19E-007	3.98E-004	10.00	32.78	0.00	0.00	0.00	52.88	15.00	156.10	1.45	0.30	6.57	171.52	0.00	1.00	3.89	0.00	156.10	3.69	80.76	0.58	17.63	N/A	N/A	N/A	N/A
635	6.35	2.49	42.50	4.00	1.26E-007	4.27E-004	10.00	33.34	0.00	0.00	0.00	53.32	15.00	158.75	1.47	0.30	6.67	172.15	0.00	1.00	3.92	0.00	158.75	3.63	80.62	0.58	17.65	N/A	N/A	N/A	N/A
636	6.36	2.52	42.85	4.00	1.30E-007	4.48E-004	10.00	33.76	0.00	0.00	0.00	53.69	15.00	160.74	1.49	0.30	6.74	172.68	0.00	1.00	3.94	0.00	160.74	3.58	80.58	0.58	17.66	N/A	N/A	N/A	N/A
637	6.37	2.59	42.85	4.00	1.47E-007	5.19E-004	10.00	34.73	0.00	0.00	0.00	54.11	15.00	165.40	1.53	0.30	6.93	173.30	0.00	1.00	4.05	0.00	165.40	3.45	79.67	0.57	17.68	N/A	N/A	N/A	N/A
638	6.38	2.62	42.53	4.00	1.56E-007	5.58E-004	10.00	35.15	0.00	0.00	0.00	54.15	15.00	167.39	1.54	0.30	7.01	173.38	0.00	1.00	4.13	0.00	167.39	3.38	78.94	0.53	17.67	N/A	N/A	N/A	N/A
639	6.39	2.68	42.34	4.00	1.73E-007	6.34E-004	10.00	35.99	0.00	0.00	0.00	54.41	15.00	171.37	1.58	0.30	7.17	173.78	0.00	1.00	4.25	0.00	171.37	3.26	78.00	0.49	17.67	N/A	N/A	N/A	N/A
640	6.40	2.67	41.93	4.00	1.72E-007	6.29E-004	10.00	35.85	0.00	0.00	0.00	54.19	15.00	170.70	1.57	0.30	7.13	173.50	0.00	1.00	4.27	0.00	170.70	3.27	77.67	0.48	17.66	N/A	N/A	N/A	N/A
641	6.41	2.68	42.75	4.00	1.69E-007	6.19E-004	10.00	35.98	0.00	0.00	0.00	54.68	15.00	171.35	1.57	0.30	7.15	174.16	0.00	1.00	4.21	0.00	171.35	3.29	78.39	0.51	17.69	N/A	N/A	N/A	N/A
642	6.42	2.67	43.01	4.00	1.63E-007	5.97E-004	10.00	35.84	0.00	0.00	0.00	54.79	15.00	170.67	1.56	0.30	7.11	174.30	0.00	1.00	4.17	0.00	170.67	3.33	78.76	0.53	17.69	N/A	N/A	N/A	N/A
643	6.43	2.65	43.89	4.00	1.52E-007	5.51E-004	10.00	35.56	0.00	0.00	0.00	55.14	15.00	169.33	1.55	0.30	7.04	174.76	0.00	1.00	4.05	0.00	169.33	3.41	79.90	0.58	17.71	N/A	N/A	N/A	N/A
644	6.44	2.62	44.17	4.00	1.42E-007	5.10E-004	10.00	35.14	0.00	0.00	0.00	55.15	15.00	167.32	1.53	0.30	6.94	174.76	0.00	1.00	3.98	0.00	167.32	3.48	80.55	0.58	17.71	N/A	N/A	N/A	N/A
645	6.45	2.58	45.53	4.00	1.25E-007	4.42E-004	10.00	34.57	0.00	0.00	0.00	55.61	15.00	164.64	1.50	0.30	6.82	175.34	0.00	1.00	3.80	0.00	164.64	3.63	82.45	0.58	17.74	N/A	N/A	N/A	N/A
646	6.46	2.56	46.03	4.00	1.18E-007	4.14E-004	10.00	34.29	0.00	0.00	0.00	55.77	15.00	163.29	1.49	0.30	6.75	175.55	0.00	1.00	3.72	0.00	163.29	3.70	83.22	0.58	17.75	N/A	N/A	N/A	N/A
647	6.47	2.56	47.33	4.00	1.12E-007	3.92E-004	10.00	34.29	0.00	0.00	0.00	56.41	15.00	163.28	1.48	0.30	6.74	176.39	0.00	1.00	3.62	0.00	163.28	3.76	84.54	0.58	17.79	N/A	N/A	N/A	N/A
648	6.48	2.56	48.40	4.00	1.07E-007	3.75E-004	10.00	34.29	0.00	0.00	0.00	56.93	15.00	163.27	1.48	0.30	6.73	177.09	0.00	1.00	3.54	0.00	163.27	3.82	85.61	0.58	17.81	N/A	N/A	N/A	N/A
649	6.49	2.54	49.53	4.00	9.91E-008	3.43E-004	10.00	34.00	0.00	0.00	0.00	57.37	15.00	161.93	1.47	0.30	6.66	177.64	0.00	1.00	3.43	0.00	161.93	3.92	87.01	0.58	17.83	N/A	N/A	N/A	N/A
650	6.50	2.37	52.24	4.00	6.56E-008	2.12E-004	10.00	31.62	0.00	0.00	0.00	57.59	15.00	150.58	1.36	0.30	6.17	177.81	0.00	1.00	3.03	0.00	150.58	4.48	92.15	0.58	17.87	N/A	N/A	N/A	N/A
651	6.51	2.26	53.98	4.00	4.97E-008	1.52E-004	10.00	30.08	0.00	0.00	0.00	57.68	15.00	143.23	1.29	0.30	5.85	177.85	0.00	1.00	2.79	0.00	143.23	4.89	95.51	0.58	17.89	N/A	N/A	N/A	N/A
652	6.52	2.12	56.34	4.00	3.42E-008	9.80E-005	9.00	28.12	0.00	0.00	0.00	57.76	15.00	133.89	1.21	0.30	5.45	177.86	0.00	1.00	2.50	0.00	133.89	5.50	99.97	0.58	17.91	N/A	N/A	N/A	N/A
653	6.53	1.86	65.11	3.00	1.43E-008	3.56E-005	9.00	24.47	0.00	0.00	0.00	59.26	15.00	116.54	1.05	0.30	4.72	179.57	0.00	1.00	1.88	0.00	116.54	7.14	112.41	0.58	18.03	N/A	N/A	N/A	N/A
654	6.54	1.78	68.48	3.00	1.06E-008	2.52E-005	9.00	23.35	0.00	0.00	0.00	59.83	15.00	111.19	1.00	0.30	4.50	180.22	0.00	1.00	1.70	0.00	111.19	7.78	116.71	0.58	18.07	N/A	N/A	N/A	N/A
655	6.55	1.77	68.42	3.00	1.03E-008	2.43E-005	9.00	23.21	0.00	0.00	0.00	59.76	15.00	110.51	0.99	0.30	4.46	180.14	0.00	1.00	1.70	0.00	110.51	7.85	116.75	0.58	18.07	N/A	N/A	N/A	N/A
656	6.56	1.85	70.41	3.00	1.19E-008	2.94E-005	9.00	24.33	0.00	0.00	0.00	61.21	15.00	115.85	1.04	0.30	4.67	182.06	0.00	1.00	1.73	0.00	115.85	7.53	117.30	0.58	18.12	N/A	N/A	N/A	N/A
657	6.57	1.89	72.77	3.00	1.22E-008	3.10E-005	9.00	24.89	0.00	0.00	0.00	62.44	15.00	118.51	1.06	0.30	4.77	183.63	0.00	1.00	1.71	0.00	118.51	7.47	118.76	0.58	18.16	N/A	N/A	N/A	N/A
658	6.58	1.93	82.04	3.00	1.07E-008	2.77E-005	10.00	25.46	0.00	0.00	0.00	66.01	15.00	121.22	1.08	0.30	4.87	188.05	0.00	1.00	1.55	0.00	121.22	7.77	126.15	0.58	18.31	N/A	N/A	N/A	N/A
659	6.59	2.07	83.77	3.00	1.40E-008	3.92E-005	10.00	27.43	0.00	0.00	0.00	67.86	15.00	130.62	1.16	0.30	5.24	190.41	0.00	1.00	1.64	0.00	130.62	7.18	125.39	0.58	18.36	N/A	N/A	N/A	N/A
660	6.60	2.48	80.15	4.00	3.47E-008	1.17E-004	11.00	33.18	0.00	0.00	0.00	69.75	15.00	158.00	1.41	0.30	6.36	192.94	0.00	1.00	2.07	0.00	158.00	5.47	115.96	0.58	18.38	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
661	6.61	2.64	79.49	4.00	4.66E-008	1.68E-004	11.00	35.42	0.00	0.00	0.00	70.63	15.00	168.65	1.50	0.30	6.79	194.09	0.00	1.00	2.23	0.00	168.65	4.99	112.91	0.58	18.39	N/A	N/A	N/A	N/A
662	6.62	2.73	78.92	4.00	5.48E-008	2.05E-004	12.00	36.67	0.00	0.00	0.00	71.05	15.00	174.64	1.55	0.30	7.02	194.64	0.00	1.00	2.32	0.00	174.64	4.74	111.04	0.58	18.40	N/A	N/A	N/A	N/A
663	6.63	2.78	76.59	4.00	6.28E-008	2.39E-004	12.00	37.37	0.00	0.00	0.00	70.54	15.00	177.96	1.58	0.30	7.15	194.08	0.00	1.00	2.44	0.00	177.96	4.54	108.27	0.58	18.37	N/A	N/A	N/A	N/A
664	6.64	2.80	73.94	4.00	6.91E-008	2.65E-004	12.00	37.65	0.00	0.00	0.00	69.69	15.00	179.28	1.59	0.30	7.20	193.11	0.00	1.00	2.55	0.00	179.28	4.41	105.67	0.58	18.33	N/A	N/A	N/A	N/A
665	6.65	2.84	68.86	4.00	8.40E-008	3.27E-004	12.00	38.20	0.00	0.00	0.00	67.98	15.00	181.93	1.61	0.30	7.30	191.12	0.00	1.00	2.77	0.00	181.93	4.14	100.63	0.58	18.26	N/A	N/A	N/A	N/A
666	6.66	2.87	66.21	4.00	9.45E-008	3.72E-004	12.00	38.62	0.00	0.00	0.00	67.12	15.00	183.91	1.62	0.30	7.37	190.13	0.00	1.00	2.92	0.00	183.91	3.98	97.85	0.58	18.22	N/A	N/A	N/A	N/A
667	6.67	2.90	64.13	4.00	1.05E-007	4.17E-004	12.00	39.04	0.00	0.00	0.00	66.48	15.00	185.90	1.64	0.30	7.45	189.39	0.00	1.00	3.04	0.00	185.90	3.85	95.56	0.58	18.18	N/A	N/A	N/A	N/A
668	6.68	3.01	60.57	4.00	1.37E-007	5.67E-004	12.00	40.58	0.00	0.00	0.00	65.62	15.00	193.22	1.70	0.30	7.74	188.42	0.00	1.00	3.35	0.00	193.22	3.52	90.93	0.58	18.13	N/A	N/A	N/A	N/A
669	6.69	3.07	59.78	4.00	1.53E-007	6.46E-004	12.00	41.41	0.00	0.00	0.00	65.64	15.00	197.21	1.73	0.30	7.90	188.49	0.00	1.00	3.46	0.00	197.21	3.40	89.47	0.58	18.12	N/A	N/A	N/A	N/A
670	6.70	3.20	58.71	4.00	1.90E-007	8.36E-004	12.00	43.23	0.00	0.00	0.00	65.88	15.00	205.86	1.80	0.30	8.24	188.87	0.00	1.00	3.68	0.00	205.86	3.17	86.99	0.58	18.12	N/A	N/A	N/A	N/A
671	6.71	3.27	57.73	4.00	2.15E-007	9.68E-004	12.00	44.21	0.00	0.00	0.00	65.84	15.00	210.52	1.84	0.30	8.43	188.86	0.00	1.00	3.83	0.00	210.52	3.04	85.34	0.58	18.11	N/A	N/A	N/A	N/A
672	6.72	3.34	55.68	5.00	2.51E-007	1.16E-003	12.00	45.19	29.00	33.50	53.86	65.29	0.00	0.00	0.00	0.30	0.00	188.25	-0.07	0.00	0.00	0.00	75.81	2.89	82.82	0.66	18.07	N/A	N/A	N/A	N/A
673	6.73	3.50	51.39	5.00	3.56E-007	1.72E-003	13.00	47.42	29.00	33.06	53.07	64.07	0.00	0.00	0.00	0.30	0.00	186.86	-0.06	0.00	0.00	0.00	74.66	2.58	77.66	0.48	18.00	N/A	N/A	N/A	N/A
674	6.74	3.58	50.95	5.00	3.98E-007	1.97E-003	13.00	48.54	30.00	32.97	53.23	64.25	0.00	0.00	0.00	0.30	0.00	187.14	-0.06	0.00	0.00	0.00	74.51	2.48	76.63	0.44	18.00	N/A	N/A	N/A	N/A
675	6.75	3.74	48.87	5.00	5.19E-007	2.69E-003	13.00	50.78	30.00	32.71	53.08	63.97	0.00	0.00	0.00	0.30	0.00	186.88	-0.06	0.00	0.00	0.00	73.89	2.29	73.80	0.35	17.97	N/A	N/A	N/A	N/A
676	6.76	3.82	48.24	5.00	5.81E-007	3.07E-003	13.00	51.90	31.00	32.62	53.15	64.03	0.00	0.00	0.00	0.30	0.00	187.00	-0.05	0.00	0.00	0.00	73.74	2.21	72.81	0.32	17.96	N/A	N/A	N/A	N/A
677	6.77	3.91	48.21	5.00	6.43E-007	3.48E-003	13.00	53.15	31.00	32.57	53.45	64.42	0.00	0.00	0.00	0.30	0.00	187.54	-0.05	0.00	0.00	0.00	73.72	2.14	72.29	0.31	17.97	N/A	N/A	N/A	N/A
678	6.78	4.11	49.85	5.00	7.54E-007	4.30E-003	14.00	55.95	32.00	32.60	54.67	66.10	0.00	0.00	0.00	0.30	0.00	189.66	-0.05	0.00	0.00	0.00	73.91	2.04	72.58	0.32	18.03	N/A	N/A	N/A	N/A
679	6.79	4.19	51.11	5.00	7.83E-007	4.55E-003	14.00	57.07	32.00	32.65	55.38	67.09	0.00	0.00	0.00	0.30	0.00	190.89	-0.06	0.00	0.00	0.00	74.18	2.02	73.15	0.33	18.06	N/A	N/A	N/A	N/A
680	6.80	4.37	54.14	5.00	8.49E-007	5.16E-003	14.00	59.59	33.00	32.78	56.98	69.34	0.00	0.00	0.00	0.30	0.00	193.62	-0.06	0.00	0.00	0.00	74.68	1.97	74.57	0.37	18.15	N/A	N/A	N/A	N/A
681	6.81	4.45	55.11	5.00	8.89E-007	5.50E-003	15.00	60.70	33.00	32.81	57.57	70.17	0.00	0.00	0.00	0.30	0.00	194.63	-0.06	0.00	0.00	0.00	74.89	1.95	74.93	0.38	18.17	N/A	N/A	N/A	N/A
682	6.82	4.52	56.22	5.00	9.16E-007	5.76E-003	15.00	61.68	33.00	32.86	58.18	71.03	0.00	0.00	0.00	0.30	0.00	195.66	-0.06	0.00	0.00	0.00	75.13	1.93	75.42	0.40	18.20	N/A	N/A	N/A	N/A
683	6.83	4.66	59.15	5.00	9.54E-007	6.19E-003	15.00	63.64	34.00	32.99	59.59	73.02	0.00	0.00	0.00	0.30	0.00	198.01	-0.06	0.00	0.00	0.00	75.63	1.91	76.86	0.45	18.27	N/A	N/A	N/A	N/A
684	6.84	4.73	60.16	5.00	9.85E-007	6.49E-003	15.00	64.62	34.00	33.03	60.15	73.82	0.00	0.00	0.00	0.30	0.00	198.94	-0.06	0.00	0.00	0.00	75.86	1.89	77.28	0.47	18.30	N/A	N/A	N/A	N/A
685	6.85	4.81	62.37	5.00	9.91E-007	6.64E-003	16.00	65.73	34.00	33.13	61.13	75.21	0.00	0.00	0.00	0.30	0.00	200.55	-0.07	0.00	0.00	0.00	76.26	1.89	78.40	0.51	18.34	N/A	N/A	N/A	N/A
686	6.86	4.82	63.66	5.00	9.60E-007	6.45E-003	16.00	65.87	34.00	33.19	61.61	75.90	0.00	0.00	0.00	0.30	0.00	201.33	-0.07	0.00	0.00	0.00	76.57	1.91	79.13	0.54	18.37	N/A	N/A	N/A	N/A
687	6.87	4.76	66.56	5.00	8.34E-007	5.53E-003	16.00	65.03	34.00	33.36	62.39	77.05	0.00	0.00	0.00	0.30	0.00	202.60	-0.07	0.00	0.00	0.00	77.18	1.98	81.07	0.64	18.42	N/A	N/A	N/A	N/A
688	6.88	4.69	67.92	5.00	7.50E-007	4.89E-003	16.00	64.05	34.00	33.45	62.64	77.44	0.00	0.00	0.00	0.30	0.00	203.01	-0.07	0.00	0.00	0.00	77.57	2.05	82.17	0.66	18.43	N/A	N/A	N/A	N/A
689	6.89	4.50	69.87	5.00	5.90E-007	3.69E-003	15.00	61.38	33.00	33.63	62.70	77.59	0.00	0.00	0.00	0.30	0.00	203.11	-0.08	0.00	0.00	0.00	78.22	2.20	84.33	0.67	18.45	N/A	N/A	N/A	N/A
690	6.90	4.37	70.85	5.00	5.02E-007	3.05E-003	15.00	59.56	33.00	33.74	62.63	77.52	0.00	0.00	0.00	0.30	0.00	202.99	-0.08	0.00	0.00	0.00	78.68	2.31	85.75	0.67	18.45	N/A	N/A	N/A	N/A
691	6.91	4.25	71.64	5.00	4.33E-007	2.55E-003	15.00	57.88	32.00	33.85	62.52	77.39	0.00	0.00	0.00	0.30	0.00	202.81	-0.08	0.00	0.00	0.00	79.12	2.42	87.09	0.67	18.46	N/A	N/A	N/A	N/A
692	6.92	4.25	71.64	5.00	4.32E-007	2.55E-003	15.00	57.88	32.00	33.85	62.55	77.43	0.00	0.00	0.00	0.30	0.00	202.87	-0.08	0.00	0.00	0.00	79.24	2.42	87.06	0.67	18.46	N/A	N/A	N/A	N/A
693	6.93	4.25	71.64	5.00	4.30E-007	2.54E-003	15.00	57.87	32.00	33.84	62.59	77.48	0.00	0.00	0.00	0.30	0.00	202.93	-0.08	0.00	0.00	0.00	79.36	2.43	87.04	0.67	18.46	N/A	N/A	N/A	N/A
694	6.94	3.91	65.71	5.00	3.47E-007	1.88E-003	14.00	53.10	31.00	33.71	59.72	73.40	0.00	0.00	0.00	0.30	0.00	198.22	-0.08	0.00	0.00	0.00	79.07	2.60	85.30	0.67	18.33	N/A	N/A	N/A	N/A
695	6.95	3.87	65.99	5.00	3.27E-007	1.75E-003	14.00	52.54	30.00	33.75	59.70	73.38	0.00	0.00	0.00	0.30	0.00	198.19	-0.08	0.00	0.00	0.00	79.32	2.65	85.83	0.67	18.33	N/A	N/A	N/A	N/A
696	6.96	3.86	66.09	5.00	3.21E-007	1.72E-003	14.00	52.40	30.00	33.76	59.73	73.42	0.00	0.00	0.00	0.30	0.00	198.24	-0.08	0.00	0.00	0.00	79.47	2.66	85.97	0.67	18.33	N/A	N/A	N/A	N/A
697	6.97	3.78	68.89	5.00	2.70E-007	1.41E-003	14.00	51.28	30.00	33.98	60.33	74.32	0.00	0.00	0.00	0.30	0.00	199.24	-0.08	0.00	0.00	0.00	80.27	2.82	88.81	0.67	18.37	N/A	N/A	N/A	N/A
698	6.98	3.77	69.14	5.00	2.64E-007	1.38E-003	14.00	51.13	30.00	34.00	60.41	74.42	0.00	0.00	0.00	0.30	0.00	199.36	-0.08	0.00	0.00	0.00	80.46	2.84	89.08	0.67	18.37	N/A	N/A	N/A	N/A
699	6.99	3.73	69.65	5.00	2.47E-007	1.27E-003	14.00	50.57	30.00	34.06	60.45	74.50	0.00	0.00	0.00	0.30	0.00	199.44	-0.08	0.00	0.00	0.00	80.76	2.90	89.83	0.68	18.37	N/A	N/A	N/A	N/A
700	7.00	3.69	70.09	5.00	2.32E-007	1.18E-003	14.00	50.01	30.00	34.12	60.47	74.54	0.00	0.00	0.00	0.30	0.00	199.47	-0.09	0.00	0.00	0.00	81.05	2.96	90.54	0.68	18.38	N/A	N/A	N/A	N/A
701	7.01	3.63	69.08	4.00	2.21E-007	1.11E-003	14.00	49.17	0.00	0.00	0.00	73.86	15.00	234.12	1.95	0.30	9.00	198.68	0.00	1.00	3.56	0.00	234.12	3.01	90.33	0.58	18.35	N/A	N/A	N/A	N/A
702	7.02	3.59	67.88	4.00	2.16E-007	1.07E-003	13.00	48.60	0.00	0.00	0.00	73.18	15.00	231.44	1.93	0.30	8.88	197.91	0.00	1.00	3.58	0.00	231.44	3.03	89.77	0.58	18.33	N/A	N/A	N/A	N/A
703	7.03	3.55	66.40	4.00	2.13E-007	1.05E-003	13.00	48.04	0.00	0.00	0.00	72.39	15.00	228.76	1.90	0.30	8.77	196.99	0.00	1.00	3.62	0.00	228.76	3.04	88.97	0.58	18.30	N/A	N/A	N/A	N/A
704	7.04	3.54	65.36	4.00	2.16E-007	1.06E-003	13.00	47.90	0.00	0.00	0.00	71.92	15.00	228.08	1.89	0.30	8.73	196.46	0.00	1.00	3.66	0.00	228.08	3.03	88.22	0.58	18.28	N/A	N/A	N/A	N/A
705	7.05	3.53	64.38	4.00	2.19E-007	1.07E-003	13.00	47.76	0.00	0.00	0.00	71.48	15.00	227.41	1.89	0.30	8.69	195.96	0.00	1.00	3.71	0.00	227.41	3.02	87.51	0.58	18.26	N/A	N/A	N/A	N/A
706	7.06	3.57	63.60	5.00	2.35E-007	1.16E-003	13.00	48.31	29.00	33.80	58.30	71.37	0.00	0.00	0.00	0.30	0.00	195.86	-0.08	0.00	0.00	0.00	80.82	2.95	86.46	0.67	18.25	N/A	N/A	N/A	N/A
707	7.07	3.59	64.16	5.00	2.36E-007	1.17E-003	13.00	48.59	29.00	33.82	58.58	71.76	0.00	0.00	0.00	0.30	0.00	196.32	-0.08	0.00	0.00	0.00	81.00	2.95	86.69	0.67	18.27	N/A	N/A	N/A	N/A
708	7.08	3.66	64.23	5.00	2.56E-007	1.29E-003	13.00	49.57	29.00	33.77	58.88	72.17	0.00	0.00	0.00	0.30	0.00	196.83	-0.08	0.00	0.00	0.00	80.96	2.87	86.06	0.67	18.27	N/A	N/A	N/A	N/A
709	7.09	3.67	64.51	5.00	2.56E-007	1.30E-003	14.00	49.71	29.00	33.78	59.04	72.38	0.00	0.00	0.00	0.30	0.00	197.09	-0.08	0.00	0.00	0.00	81.11	2.87	86.16	0.67	18.28	N/A	N/A	N/A	N/A
710	7.10	3.70	63.63	5.00	2.72E-007	1.39E-003	14.00	50.12	29.00	33.70	58.91	72.17	0.00	0.00	0.00	0.30	0.00	196.87	-0.08	0.00	0.00	0.00	80.99	2.81	85.17	0.67	18.27	N/A	N/A	N/A	N/A
711	7.11	3.70	62.90	5.00	2.77E-007	1.41E-003	14.00	50.12	29.00	33.65	58.71	71.88	0.00	0.00	0.00	0.30	0.00	196.55	-0.08	0.00	0.00	0.00	80.96	2.80	84.57	0.67	18.25	N/A	N/A	N/A	N/A
712	7.12	3.66	62.59	5.00	2.65E-007	1.34E-003	13.00	49.56	29.00	33.66	58.51	71.59	0.00	0.00	0.00	0.30	0.00	196.21	-0.08	0.00	0.00	0.00	81.11	2.84	84.67	0.67	18.24	N/A	N/A	N/A	N/A
713	7.13	3.63	62.27	5.00	2.57E-007	1.29E-003	13.00	49.14	29.00	33.66	58.34	71.35	0.00	0.00	0.00	0.30	0.00	195.92	-0.08	0.00	0.00	0.00	81.23	2.87	84.67	0.67	18.23	N/A	N/A	N/A	N/A
714	7.14	3.59	62.21	5.00	2.44E-007	1.21E-003	13.00	48.57	29.00	33.68	58.21	71.17	0.00	0.00	0.00	0.30	0.00	195.71	-0.08	0.00	0.00	0.00	81.43	2.91	84.98	0.67	18.23	N/A	N/A	N/A	N/A
715	7.15	3.42	62.27	4.00	1.95E-007	9.17E-004	13.00	46.19	0.00	0.00	0.00	70.42	15.00	219.95	1.80	0.30	8.29	194.76	0.00	1.00	3.71	0.00	219.95	3.14	86.70	0.58	18.21	N/A	N/A	N/A	N/A
716	7.16	3.29	62.30	4.00	1.63E-007	7.36E-004	13.00	44.37	0.00	0.00	0.00	69.82	15.00	211.27	1.72	0.30	7.94	194.01	0.00	1.00	3.56	0.00	211.27	3.33	88.09	0.58	18.20	N/A	N/A	N/A	N/A
717	7.17	3.04	63.15	4.00	1.10E-007	4.60E-004	12.00	40.86	0.00	0.00	0.00	68.92	15.00	194.59	1.59	0.30	7.27	192.83	0.00	1.00	3.24	0.00	194.59	3.78	91.67	0.58	18.18	N/A	N/A	N/A	N/A
718	7.18	2.98	64.04	4.00	9.79E-008	4.00E-004	12.00	40.02	0.00	0.00	0.00	69.02	15.00	190.58	1.55	0.30	7.10	192.93	0.00	1.00	3.12	0.00	190.58	3.93	93.14	0.58	18.19	N/A	N/A	N/A	N/A
719	7.19	3.00	65.55	4.00	9.63E-008	3.96E-004	12.00	40.30	0.00	0.00	0.00	69.82	15.00	191.90	1.56	0.30	7.14	193.89	0.00	1.00	3.07	0.00	191.90	3.96	94.16	0.58	18.22	N/A	N/A	N/A	N/A
720	7.20	3.03	66.87	4.00	9.67E-008	4.01E-004	12.00	40.72	0.00	0.00	0.00	70.60	15.00	193.89	1.57	0.30	7.20	194.82	0.00	1.00	3.04	0.00	193.89	3.95	94.88	0.58	18.25	N/A	N/A	N/A	N/A
721	7.21	3.03	69.59	4.00	8.93E-008	3.71E-004	12.00	40.71	0.00	0.00	0.00	71.79	15.00	193.88	1.57	0.30	7.19	196.21	0.00	1.00	2.93	0.00	193.88	4.05	97.13	0.58	18.29	N/A	N/A	N/A	N/A
722	7.22	3.03	73.12	4.00	8.10E-008	3.36E-004	12.00	40.71	0.00	0.00	0.00	73.30	15.00	193.87	1.57	0.30	7.17	197.95	0.00	1.00	2.78	0.00	193.87	4.18	100.02	0.58	18.35	N/A	N/A	N/A	N/A
723	7.23	3.27	81.79	4.00	9.21E-008	4.14E-004	13.00	44.07	0.00	0.00	0.00	78.19	15.00	209.86	1.69	0.30	7.76	203.58	0.00	1.00	2.69	0.00	209.86	4.01	103.86	0.58	18.51	N/A	N/A	N/A	N/A
724	7.24	3.44	84.56	4.00	1.08E-007	5.13E-004	14.00	46.45	0.00	0.00	0.00	80.28	15.00	221.18	1.78	0.30	8.18	205.95	0.00	1.00	2.75	0.00	221.18	3.81	103.86	0.58	18.57	N/A	N/A	N/A	N/A
725	7.25	3.47	89.95	4.00	9.95E-008	4.75E-004	14.00	46.87	0.00	0.00	0.00	82.58	15.00	223.17	1.80	0.30	8.24	208.48	0.00	1.00	2.61	0.00	223.17	3.91	107.50	0.58	18.64	N/A	N/A	N/A	N/A
726	7.26	3.46	89.04	4.00	9.98E-008	4.75E-004	14.00	46.72	0.00	0.00	0.00	82.23	15.00	222.49	1.79	0.30	8.20	208.10	0.00	1.00	2.62	0.00	222.49	3.91	106.91	0.58	18.63	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
727	7.27	3.44	87.59	4.00	1.00E-007	4.74E-004	14.00	46.44	0.00	0.00	0.00	81.61	15.00	221.15	1.78	0.30	8.14	207.42	0.00	1.00	2.65	0.00	221.15	3.91	106.04	0.58	18.61	N/A	N/A	N/A	N/A
728	7.28	3.38	84.41	4.00	9.89E-008	4.60E-004	14.00	45.60	0.00	0.00	0.00	80.08	15.00	217.14	1.74	0.30	7.98	205.75	0.00	1.00	2.70	0.00	217.14	3.92	104.35	0.58	18.56	N/A	N/A	N/A	N/A
729	7.29	3.34	83.02	4.00	9.64E-008	4.43E-004	13.00	45.04	0.00	0.00	0.00	79.36	15.00	214.46	1.72	0.30	7.87	204.95	0.00	1.00	2.71	0.00	214.46	3.95	103.75	0.58	18.53	N/A	N/A	N/A	N/A
730	7.30	3.25	79.61	4.00	9.20E-008	4.10E-004	13.00	43.77	0.00	0.00	0.00	77.54	15.00	208.44	1.67	0.30	7.63	202.91	0.00	1.00	2.75	0.00	208.44	4.02	102.20	0.58	18.48	N/A	N/A	N/A	N/A
731	7.31	3.21	78.04	4.00	9.00E-008	3.96E-004	13.00	43.21	0.00	0.00	0.00	76.73	15.00	205.76	1.64	0.30	7.52	202.00	0.00	1.00	2.77	0.00	205.76	4.04	101.44	0.58	18.45	N/A	N/A	N/A	N/A
732	7.32	3.15	75.14	4.00	8.85E-008	3.82E-004	13.00	42.37	0.00	0.00	0.00	75.26	15.00	201.75	1.61	0.30	7.37	200.33	0.00	1.00	2.82	0.00	201.75	4.07	99.85	0.58	18.40	N/A	N/A	N/A	N/A
733	7.33	3.12	74.38	4.00	8.61E-008	3.68E-004	13.00	41.95	0.00	0.00	0.00	74.82	15.00	199.74	1.59	0.30	7.28	199.83	0.00	1.00	2.82	0.00	199.74	4.10	99.59	0.58	18.38	N/A	N/A	N/A	N/A
734	7.34	3.06	73.65	4.00	8.00E-008	3.35E-004	13.00	41.10	0.00	0.00	0.00	74.22	15.00	195.73	1.56	0.30	7.12	199.13	0.00	1.00	2.79	0.00	195.73	4.20	99.72	0.58	18.36	N/A	N/A	N/A	N/A
735	7.35	3.02	72.80	4.00	7.67E-008	3.17E-004	12.00	40.54	0.00	0.00	0.00	73.69	15.00	193.05	1.53	0.30	7.01	198.51	0.00	1.00	2.78	0.00	193.05	4.26	99.50	0.58	18.34	N/A	N/A	N/A	N/A
736	7.36	2.97	70.72	4.00	7.48E-008	3.04E-004	12.00	39.84	0.00	0.00	0.00	72.58	15.00	189.70	1.50	0.30	6.88	197.22	0.00	1.00	2.82	0.00	189.70	4.29	98.40	0.58	18.30	N/A	N/A	N/A	N/A
737	7.37	2.78	63.82	4.00	6.68E-008	2.53E-004	12.00	37.17	0.00	0.00	0.00	68.58	15.00	177.02	1.40	0.30	6.40	192.47	0.00	1.00	2.91	0.00	177.02	4.45	94.96	0.58	18.16	N/A	N/A	N/A	N/A
738	7.38	2.64	60.88	4.00	5.74E-008	2.06E-004	11.00	35.21	0.00	0.00	0.00	66.51	15.00	167.67	1.32	0.30	6.04	189.93	0.00	1.00	2.89	0.00	167.67	4.68	94.16	0.58	18.09	N/A	N/A	N/A	N/A
739	7.39	2.34	56.47	4.00	3.77E-008	1.19E-004	10.00	31.01	0.00	0.00	0.00	62.74	15.00	147.66	1.16	0.30	5.29	185.15	0.00	1.00	2.75	0.00	147.66	5.34	94.03	0.58	17.95	N/A	N/A	N/A	N/A
740	7.40	2.21	55.62	4.00	2.96E-008	8.81E-005	10.00	29.19	0.00	0.00	0.00	61.55	15.00	138.98	1.09	0.30	4.95	183.58	0.00	1.00	2.62	0.00	138.98	5.75	94.90	0.58	17.91	N/A	N/A	N/A	N/A
741	7.41	2.02	55.46	3.00	1.95E-008	5.27E-005	9.00	26.52	0.00	0.00	0.00	60.19	15.00	126.30	0.99	0.30	4.47	181.74	0.00	1.00	2.39	0.00	126.30	6.52	97.15	0.58	17.88	N/A	N/A	N/A	N/A
742	7.42	1.93	57.60	3.00	1.47E-008	3.79E-005	9.00	25.26	0.00	0.00	0.00	60.39	15.00	120.29	0.94	0.30	4.25	181.91	0.00	1.00	2.19	0.00	120.29	7.08	100.28	0.58	17.90	N/A	N/A	N/A	N/A
743	7.43	1.87	60.54	3.00	1.16E-008	2.82E-005	9.00	23.86	0.00	0.00	0.00	61.11	15.00	116.27	0.91	0.30	4.10	182.75	0.00	1.00	2.02	0.00	116.27	7.58	103.70	0.58	17.95	N/A	N/A	N/A	N/A
744	7.44	1.81	63.66	3.00	9.08E-009	2.06E-005	9.00	22.21	0.00	0.00	0.00	61.83	15.00	112.26	0.88	0.30	3.96	183.61	0.00	1.00	1.85	0.00	112.26	8.13	107.19	0.58	17.99	N/A	N/A	N/A	N/A
745	7.45	1.72	70.09	3.00	5.98E-009	1.21E-005	9.00	19.87	0.00	0.00	0.00	63.43	15.00	106.25	0.83	0.30	3.74	185.49	0.00	1.00	1.59	0.00	106.25	9.13	113.75	0.55	18.08	N/A	N/A	N/A	N/A
746	7.46	1.75	72.11	3.00	6.12E-009	1.28E-005	9.00	20.59	0.00	0.00	0.00	64.50	15.00	108.24	0.85	0.30	3.80	186.84	0.00	1.00	1.58	0.00	108.24	9.07	115.01	0.56	18.12	N/A	N/A	N/A	N/A
747	7.47	1.99	72.05	3.00	1.10E-008	2.93E-005	10.00	26.09	0.00	0.00	0.00	66.75	15.00	124.24	0.97	0.30	4.36	189.83	0.00	1.00	1.81	0.00	124.24	7.70	111.88	0.58	18.17	N/A	N/A	N/A	N/A
748	7.48	2.14	71.26	3.00	1.56E-008	4.47E-005	10.00	28.19	0.00	0.00	0.00	67.79	15.00	134.23	1.05	0.30	4.70	191.21	0.00	1.00	1.98	0.00	134.23	6.96	109.19	0.58	18.19	N/A	N/A	N/A	N/A
749	7.49	2.26	71.07	3.00	2.00E-008	6.08E-005	11.00	29.87	0.00	0.00	0.00	68.72	15.00	142.22	1.11	0.30	4.98	192.43	0.00	1.00	2.10	0.00	142.22	6.47	107.40	0.58	18.21	N/A	N/A	N/A	N/A
750	7.50	2.46	71.26	4.00	2.94E-008	9.78E-005	11.00	32.66	0.00	0.00	0.00	70.23	15.00	155.54	1.21	0.30	5.47	194.34	0.00	1.00	2.29	0.00	155.54	5.76	104.96	0.58	18.24	N/A	N/A	N/A	N/A
751	7.51	2.55	70.66	4.00	3.51E-008	1.22E-004	11.00	33.92	0.00	0.00	0.00	70.62	15.00	161.53	1.25	0.30	5.68	194.87	0.00	1.00	2.40	0.00	161.53	5.45	103.27	0.58	18.24	N/A	N/A	N/A	N/A
752	7.52	2.67	69.24	4.00	4.50E-008	1.63E-004	12.00	35.60	0.00	0.00	0.00	70.85	15.00	169.51	1.31	0.30	5.97	195.20	0.00	1.00	2.57	0.00	169.51	5.05	100.52	0.58	18.24	N/A	N/A	N/A	N/A
753	7.53	2.72	68.36	4.00	5.01E-008	1.85E-004	12.00	36.30	0.00	0.00	0.00	70.83	15.00	172.84	1.34	0.30	6.09	195.22	0.00	1.00	2.65	0.00	172.84	4.88	99.12	0.58	18.23	N/A	N/A	N/A	N/A
754	7.54	2.76	64.57	4.00	5.94E-008	2.23E-004	12.00	36.85	0.00	0.00	0.00	69.49	15.00	175.49	1.36	0.30	6.19	193.69	0.00	1.00	2.85	0.00	175.49	4.62	95.40	0.58	18.17	N/A	N/A	N/A	N/A
755	7.55	2.76	63.53	4.00	6.10E-008	2.29E-004	12.00	36.85	0.00	0.00	0.00	69.08	15.00	175.48	1.35	0.30	6.18	193.21	0.00	1.00	2.90	0.00	175.48	4.58	94.49	0.58	18.15	N/A	N/A	N/A	N/A
756	7.56	2.67	62.93	4.00	5.31E-008	1.93E-004	11.00	35.59	0.00	0.00	0.00	68.32	15.00	169.47	1.31	0.30	5.95	192.27	0.00	1.00	2.83	0.00	169.47	4.79	95.07	0.58	18.13	N/A	N/A	N/A	N/A
757	7.57	2.59	62.68	4.00	4.63E-008	1.63E-004	11.00	34.47	0.00	0.00	0.00	67.76	15.00	164.12	1.26	0.30	5.75	191.57	0.00	1.00	2.75	0.00	164.12	5.00	95.83	0.58	18.11	N/A	N/A	N/A	N/A
758	7.58	2.40	62.59	4.00	3.25E-008	1.05E-004	11.00	31.80	0.00	0.00	0.00	66.56	15.00	151.44	1.16	0.30	5.27	190.02	0.00	1.00	2.54	0.00	151.44	5.59	98.12	0.58	18.08	N/A	N/A	N/A	N/A
759	7.59	2.30	62.30	4.00	2.68E-008	8.30E-005	10.00	30.40	0.00	0.00	0.00	65.81	15.00	144.76	1.11	0.30	5.02	189.06	0.00	1.00	2.44	0.00	144.76	5.92	99.09	0.58	18.06	N/A	N/A	N/A	N/A
760	7.60	2.22	62.02	4.00	2.28E-008	6.81E-005	10.00	29.28	0.00	0.00	0.00	65.18	15.00	139.41	1.07	0.30	4.81	188.26	0.00	1.00	2.36	0.00	139.41	6.22	99.81	0.58	18.04	N/A	N/A	N/A	N/A
761	7.61	2.06	62.71	3.00	1.58E-008	4.35E-005	10.00	27.03	0.00	0.00	0.00	64.27	15.00	128.73	0.98	0.30	4.43	187.02	0.00	1.00	2.16	0.00	128.73	6.94	102.41	0.58	18.03	N/A	N/A	N/A	N/A
762	7.62	2.01	63.03	3.00	1.39E-008	3.74E-005	10.00	26.33	0.00	0.00	0.00	64.02	15.00	125.38	0.96	0.30	4.31	186.67	0.00	1.00	2.09	0.00	125.38	7.19	103.30	0.58	18.02	N/A	N/A	N/A	N/A
763	7.63	1.98	63.53	3.00	1.28E-008	3.37E-005	10.00	25.91	0.00	0.00	0.00	64.00	15.00	123.37	0.94	0.30	4.23	186.62	0.00	1.00	2.04	0.00	123.37	7.37	104.08	0.58	18.03	N/A	N/A	N/A	N/A
764	7.64	2.01	64.76	3.00	1.32E-008	3.53E-005	10.00	26.33	0.00	0.00	0.00	64.78	15.00	125.36	0.95	0.30	4.30	187.62	0.00	1.00	2.03	0.00	125.36	7.31	104.71	0.58	18.05	N/A	N/A	N/A	N/A
765	7.65	2.05	65.30	3.00	1.41E-008	3.87E-005	10.00	26.88	0.00	0.00	0.00	65.37	15.00	128.02	0.97	0.30	4.38	188.39	0.00	1.00	2.06	0.00	128.02	7.16	104.62	0.58	18.07	N/A	N/A	N/A	N/A
766	7.66	2.09	65.52	3.00	1.53E-008	4.27E-005	10.00	27.44	0.00	0.00	0.00	65.84	15.00	130.67	0.99	0.30	4.47	188.99	0.00	1.00	2.09	0.00	130.67	7.00	104.26	0.58	18.08	N/A	N/A	N/A	N/A
767	7.67	2.09	66.69	3.00	1.47E-008	4.12E-005	10.00	27.44	0.00	0.00	0.00	66.34	15.00	130.66	0.99	0.30	4.46	189.61	0.00	1.00	2.06	0.00	130.66	7.08	105.21	0.58	18.10	N/A	N/A	N/A	N/A
768	7.68	2.10	68.89	3.00	1.41E-008	3.97E-005	10.00	27.58	0.00	0.00	0.00	67.33	15.00	131.32	0.99	0.30	4.48	190.81	0.00	1.00	2.00	0.00	131.32	7.16	106.89	0.58	18.14	N/A	N/A	N/A	N/A
769	7.69	2.05	70.63	3.00	1.20E-008	3.30E-005	10.00	26.87	0.00	0.00	0.00	67.61	15.00	127.97	0.97	0.30	4.36	191.10	0.00	1.00	1.90	0.00	127.97	7.50	108.92	0.58	18.16	N/A	N/A	N/A	N/A
770	7.70	1.97	70.85	3.00	9.94E-009	2.59E-005	10.00	25.55	0.00	0.00	0.00	67.02	15.00	122.62	0.93	0.30	4.17	190.33	0.00	1.00	1.82	0.00	122.62	7.92	110.07	0.58	18.15	N/A	N/A	N/A	N/A
771	7.71	1.90	69.93	3.00	8.60E-009	2.07E-005	10.00	23.61	0.00	0.00	0.00	66.07	15.00	117.94	0.89	0.30	4.00	189.12	0.00	1.00	1.77	0.00	117.94	8.25	110.13	0.58	18.12	N/A	N/A	N/A	N/A
772	7.72	1.81	65.42	3.00	7.76E-009	1.68E-005	9.00	21.23	0.00	0.00	0.00	63.54	15.00	111.93	0.84	0.30	3.79	185.96	0.00	1.00	1.80	0.00	111.93	8.49	107.41	0.58	18.02	N/A	N/A	N/A	N/A
773	7.73	1.80	65.39	3.00	7.54E-009	1.61E-005	9.00	20.95	0.00	0.00	0.00	63.47	15.00	111.25	0.84	0.30	3.77	185.87	0.00	1.00	1.79	0.00	111.25	8.56	107.46	0.58	18.02	N/A	N/A	N/A	N/A
774	7.74	1.75	67.66	3.00	6.20E-009	1.24E-005	9.00	19.68	0.00	0.00	0.00	63.89	15.00	107.90	0.81	0.30	3.65	186.34	0.00	1.00	1.67	0.00	107.90	9.04	109.90	0.51	18.05	N/A	N/A	N/A	N/A
775	7.75	1.69	70.12	3.00	4.92E-009	9.13E-006	9.00	18.22	0.00	0.00	0.00	64.24	15.00	103.89	0.78	0.30	3.51	186.71	0.00	1.00	1.56	0.00	103.89	9.63	112.54	0.53	18.08	N/A	N/A	N/A	N/A
776	7.76	1.64	71.32	3.00	4.13E-009	7.17E-006	9.00	17.04	0.00	0.00	0.00	64.20	15.00	100.55	0.75	0.30	3.39	186.61	0.00	1.00	1.48	0.00	100.55	10.09	114.00	0.53	18.09	N/A	N/A	N/A	N/A
777	7.77	1.56	73.78	3.00	3.06E-009	4.76E-006	9.00	15.26	0.00	0.00	0.00	64.25	15.00	95.21	0.71	0.30	3.21	186.58	0.00	1.00	1.35	0.00	95.21	10.93	116.74	0.55	18.11	N/A	N/A	N/A	N/A
778	7.78	1.53	73.62	3.00	2.79E-009	4.16E-006	9.00	14.60	0.00	0.00	0.00	63.89	15.00	93.19	0.70	0.30	3.13	186.11	0.00	1.00	1.33	0.00	93.19	11.19	116.85	0.55	18.10	N/A	N/A	N/A	N/A
779	7.79	1.38	76.78	3.00	1.58E-009	1.87E-006	8.00	11.61	0.00	0.00	0.00	63.24	15.00	83.17	0.62	0.30	2.79	185.10	0.00	1.00	1.14	0.00	83.17	12.96	120.61	0.57	18.11	N/A	N/A	N/A	N/A
780	7.80	1.31	77.34	3.00	1.21E-009	1.28E-006	8.00	10.33	0.00	0.00	0.00	62.57	15.00	78.49	0.58	0.30	2.63	184.18	0.00	1.00	1.07	0.00	78.49	13.85	121.54	0.58	18.09	N/A	N/A	N/A	N/A
781	7.81	1.18	78.10	3.00	8.52E-010	7.09E-007	8.00	8.16	0.00	0.00	0.00	61.07	15.00	69.81	0.52	0.30	2.34	182.11	0.00	1.00	0.94	0.00	69.81	15.78	122.98	0.58	18.06	N/A	N/A	N/A	N/A
782	7.82	1.14	77.56	3.00	7.94E-010	6.10E-007	7.00	7.54	0.00	0.00	0.00	60.35	15.00	67.13	0.50	0.30	2.25	181.14	0.00	1.00	0.91	0.00	67.13	16.40	122.76	0.58	18.04	N/A	N/A	N/A	N/A
783	7.83	1.07	75.92	3.00	7.03E-010	4.67E-007	7.00	6.52	0.00	0.00	0.00	58.81	15.00	62.47	0.46	0.30	2.09	179.06	0.00	1.00	0.86	0.00	62.47	17.52	121.87	0.56	17.99	N/A	N/A	N/A	N/A
784	7.84	1.03	75.10	3.00	6.52E-010	3.97E-007	7.00	5.97	0.00	0.00	0.00	57.96	15.00	59.82	0.44	0.30	2.00	177.90	0.00	1.00	0.84	0.00	59.82	18.25	121.40	0.56	17.97	N/A	N/A	N/A	N/A
785	7.85	1.01	73.65	3.00	6.35E-010	3.69E-007	7.00	5.71	0.00	0.00	0.00	57.23	15.00	58.53	0.43	0.30	1.95	176.91	0.00	1.00	0.83	0.00	58.53	18.52	120.34	0.55	17.94	N/A	N/A	N/A	N/A
786	7.86	1.03	70.91	3.00	6.85E-010	4.17E-007	7.00	5.97	0.00	0.00	0.00	56.70	15.00	59.91	0.44	0.30	1.99	176.27	0.00	1.00	0.89	0.00	59.91	17.77	118.07	0.52	17.90	N/A	N/A	N/A	N/A
787	7.87	1.14	64.23	3.00	9.32E-010	7.15E-007	7.00	7.53	0.00	0.00	0.00	56.10	15.00	67.34	0.50	0.30	2.24	175.70	0.00	1.00	1.10	0.00	67.34	15.03	112.08	0.47	17.83	N/A	N/A	N/A	N/A
788	7.88	1.21	61.99	3.00	1.25E-009	1.09E-006	7.00	8.61	0.00	0.00	0.00	56.27	15.00	72.05	0.53	0.30	2.39	176.05	0.00	1.00	1.22	0.00	72.05	13.77	109.69	0.46	17.81	N/A	N/A	N/A	N/A
789	7.89	1.37	57.45	3.00	2.58E-009	2.99E-006	8.00	11.36	0.00	0.00	0.00	56.55	15.00	82.81	0.61	0.30	2.74	176.68	0.00	1.00	1.51	0.00	82.81	11.42	104.44	0.42	17.77	N/A	N/A	N/A	N/A
790	7.90	1.47	54.55	3.00	3.93E-009	5.31E-006	8.00	13.25	0.00	0.00	0.00	56.52	15.00	89.47	0.66	0.30	2.96	176.81	0.00	1.00	1.72	0.00	89.47	10.22	100.88	0.40	17.74	N/A	N/A	N/A	N/A
791	7.91	1.56	51.30	3.00	5.76E-009	8.85E-006	8.00	15.06	0.00	0.00	0.00	56.12	15.00	95.46	0.70	0.30	3.15	176.42	0.00	1.00	1.95	0.00	95.46	9.22	96.95	0.38	17.69	N/A	N/A	N/A	N/A
792	7.92	1.56	51.30	3.00	5.74E-009	8.80E-006	8.00	15.03	0.00	0.00	0.00	56.15	15.00	95.44	0.70	0.30	3.15	176.47	0.00	1.00	1.95	0.00	95.44	9.23	96.91	0.38	17.69	N/A	N/A	N/A	N/A

	In situ data								Estimations																			
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
793	7.93	1.56	51.30	3.00	5.72E-009	8.75E-006	8.00	15.01	0.00	0.00	0.00	56.18	15.00	95.43	0.70	0.30	3.15	176.51	0.00	1.00	1.95	0.00	95.43	9.24	96.87	0.38	17.69	N/A	N/A	N/A	N/A
794	7.94	1.90	57.32	3.00	1.12E-008	2.58E-005	9.00	22.62	0.00	0.00	0.00	61.81	15.00	117.22	0.86	0.30	3.86	184.10	0.00	1.00	2.15	0.00	117.22	7.66	98.52	0.58	17.89	N/A	N/A	N/A	N/A
795	7.95	1.86	56.53	3.00	1.04E-008	2.28E-005	9.00	21.58	0.00	0.00	0.00	61.16	15.00	114.57	0.84	0.30	3.77	183.25	0.00	1.00	2.13	0.00	114.57	7.83	98.26	0.58	17.87	N/A	N/A	N/A	N/A
796	7.96	1.74	59.18	3.00	7.03E-009	1.34E-005	9.00	18.68	0.00	0.00	0.00	61.19	15.00	106.66	0.78	0.30	3.50	183.16	0.00	1.00	1.89	0.00	106.66	8.73	101.91	0.58	17.89	N/A	N/A	N/A	N/A
797	7.97	1.65	60.95	3.00	5.19E-009	8.79E-006	9.00	16.61	0.00	0.00	0.00	61.06	15.00	100.67	0.73	0.30	3.30	182.89	0.00	1.00	1.73	0.00	100.67	9.49	104.37	0.44	17.91	N/A	N/A	N/A	N/A
798	7.98	1.59	64.45	3.00	3.93E-009	6.14E-006	9.00	15.31	0.00	0.00	0.00	61.83	15.00	96.68	0.70	0.30	3.17	183.79	0.00	1.00	1.58	0.00	96.68	10.22	107.87	0.47	17.96	N/A	N/A	N/A	N/A
799	7.99	1.66	65.14	3.00	4.70E-009	8.05E-006	9.00	16.80	0.00	0.00	0.00	62.86	15.00	101.35	0.74	0.30	3.31	185.17	0.00	1.00	1.63	0.00	101.35	9.74	107.66	0.47	17.99	N/A	N/A	N/A	N/A
800	8.00	1.73	65.24	3.00	5.66E-009	1.06E-005	9.00	18.35	0.00	0.00	0.00	63.65	15.00	106.01	0.77	0.30	3.46	186.23	0.00	1.00	1.71	0.00	106.01	9.27	106.95	0.47	18.00	N/A	N/A	N/A	N/A
801	8.01	1.73	66.84	3.00	5.39E-009	1.01E-005	9.00	18.33	0.00	0.00	0.00	64.30	15.00	106.01	0.77	0.30	3.46	187.03	0.00	1.00	1.67	0.00	106.01	9.39	108.21	0.48	18.03	N/A	N/A	N/A	N/A
802	8.02	1.64	70.47	3.00	3.80E-009	6.31E-006	9.00	16.29	0.00	0.00	0.00	64.76	15.00	100.00	0.72	0.30	3.26	187.50	0.00	1.00	1.49	0.00	100.00	10.32	112.02	0.51	18.07	N/A	N/A	N/A	N/A
803	8.03	1.57	73.31	3.00	2.87E-009	4.32E-006	9.00	14.78	0.00	0.00	0.00	65.06	15.00	95.32	0.69	0.30	3.10	187.78	0.00	1.00	1.37	0.00	95.32	11.11	114.87	0.53	18.10	N/A	N/A	N/A	N/A
804	8.04	1.51	71.98	3.00	2.46E-009	3.40E-006	9.00	13.55	0.00	0.00	0.00	63.94	15.00	91.31	0.66	0.30	2.97	186.34	0.00	1.00	1.33	0.00	91.31	11.56	114.35	0.52	18.06	N/A	N/A	N/A	N/A
805	8.05	1.48	70.15	3.00	2.34E-009	3.09E-006	8.00	12.94	0.00	0.00	0.00	62.97	15.00	89.30	0.64	0.30	2.90	185.11	0.00	1.00	1.34	0.00	89.30	11.71	113.15	0.51	18.03	N/A	N/A	N/A	N/A
806	8.06	1.44	68.36	3.00	2.15E-009	2.67E-006	8.00	12.16	0.00	0.00	0.00	61.88	15.00	86.62	0.62	0.30	2.81	183.72	0.00	1.00	1.33	0.00	86.62	11.97	112.04	0.49	17.99	N/A	N/A	N/A	N/A
807	8.07	1.34	64.89	3.00	1.68E-009	1.77E-006	8.00	10.34	0.00	0.00	0.00	59.45	15.00	79.94	0.57	0.30	2.59	180.50	0.00	1.00	1.29	0.00	79.94	12.76	110.07	0.47	17.90	N/A	N/A	N/A	N/A
808	8.08	1.31	62.56	3.00	1.61E-009	1.61E-006	8.00	9.82	0.00	0.00	0.00	58.25	15.00	77.93	0.56	0.30	2.52	178.93	0.00	1.00	1.31	0.00	77.93	12.91	108.37	0.45	17.85	N/A	N/A	N/A	N/A
809	8.09	1.30	59.84	3.00	1.67E-009	1.64E-006	8.00	9.63	0.00	0.00	0.00	57.14	15.00	77.25	0.55	0.30	2.49	177.48	0.00	1.00	1.36	0.00	77.25	12.77	106.16	0.43	17.79	N/A	N/A	N/A	N/A
810	8.10	1.31	58.87	3.00	1.78E-009	1.78E-006	8.00	9.79	0.00	0.00	0.00	56.92	15.00	77.91	0.56	0.30	2.51	177.22	0.00	1.00	1.39	0.00	77.91	12.57	105.22	0.42	17.78	N/A	N/A	N/A	N/A
811	8.11	1.30	57.92	3.00	1.76E-009	1.73E-006	8.00	9.60	0.00	0.00	0.00	56.46	15.00	77.23	0.55	0.30	2.49	176.62	0.00	1.00	1.40	0.00	77.23	12.60	104.45	0.41	17.76	N/A	N/A	N/A	N/A
812	8.12	1.23	53.54	3.00	1.56E-009	1.34E-006	7.00	8.46	0.00	0.00	0.00	53.92	15.00	72.55	0.52	0.30	2.33	173.14	0.00	1.00	1.42	0.00	72.55	13.01	101.20	0.38	17.65	N/A	N/A	N/A	N/A
813	8.13	1.17	51.14	3.00	1.32E-009	1.02E-006	7.00	7.54	0.00	0.00	0.00	52.24	15.00	68.54	0.49	0.30	2.20	170.77	0.00	1.00	1.41	0.00	68.54	13.56	99.49	0.37	17.57	N/A	N/A	N/A	N/A
814	8.14	0.99	47.77	3.00	8.18E-010	4.28E-007	6.00	5.13	0.00	0.00	0.00	48.50	15.00	56.53	0.40	0.30	1.81	165.22	0.00	1.00	1.24	0.00	56.53	16.14	97.54	0.34	17.43	N/A	N/A	N/A	N/A
815	8.15	0.95	46.03	3.00	7.67E-010	3.63E-007	6.00	4.65	0.00	0.00	0.00	47.25	15.00	53.85	0.38	0.30	1.73	163.35	0.00	1.00	1.23	0.00	53.85	16.71	96.12	0.33	17.37	N/A	N/A	N/A	N/A
816	8.16	0.90	43.07	3.00	7.15E-010	2.97E-007	6.00	4.08	0.00	0.00	0.00	45.34	15.00	50.50	0.36	0.30	1.62	160.45	0.00	1.00	1.23	0.00	50.50	17.37	93.55	0.31	17.28	N/A	N/A	N/A	N/A
817	8.17	0.87	41.65	3.00	6.79E-010	2.60E-007	6.00	3.76	0.00	0.00	0.00	44.32	15.00	48.49	0.34	0.30	1.55	158.88	0.00	1.00	1.22	0.00	48.49	17.86	92.28	0.30	17.22	N/A	N/A	N/A	N/A
818	8.18	0.83	39.60	3.00	6.33E-010	2.16E-007	6.00	3.35	0.00	0.00	0.00	42.87	15.00	45.82	0.33	0.30	1.46	156.61	0.00	1.00	1.22	0.00	45.82	18.54	90.41	0.28	17.15	N/A	N/A	N/A	N/A
819	8.19	0.84	39.85	3.00	6.48E-010	2.28E-007	6.00	3.45	0.00	0.00	0.00	43.17	15.00	46.52	0.33	0.30	1.48	157.09	0.00	1.00	1.23	0.00	46.52	18.32	90.58	0.28	17.16	N/A	N/A	N/A	N/A
820	8.20	0.84	39.66	3.00	6.52E-010	2.30E-007	6.00	3.46	0.00	0.00	0.00	43.13	15.00	46.61	0.33	0.30	1.48	157.05	0.00	1.00	1.23	0.00	46.61	18.26	90.34	0.28	17.15	N/A	N/A	N/A	N/A
821	8.21	0.89	38.56	3.00	7.64E-010	3.11E-007	6.00	3.99	0.00	0.00	0.00	43.48	15.00	50.12	0.35	0.30	1.59	157.72	0.00	1.00	1.36	0.00	50.12	16.75	89.01	0.27	17.15	N/A	N/A	N/A	N/A
822	8.22	0.94	37.65	3.00	8.80E-010	4.07E-007	6.00	4.54	0.00	0.00	0.00	43.81	15.00	53.46	0.38	0.30	1.70	158.36	0.00	1.00	1.49	0.00	53.46	15.51	87.82	0.27	17.14	N/A	N/A	N/A	N/A
823	8.23	0.99	36.32	3.00	1.06E-009	5.51E-007	6.00	5.12	0.00	0.00	0.00	43.91	15.00	56.78	0.40	0.30	1.80	158.64	0.00	1.00	1.64	0.00	56.78	14.35	86.16	0.26	17.12	N/A	N/A	N/A	N/A
824	8.24	1.07	35.06	3.00	1.64E-009	1.02E-006	6.00	6.12	0.00	0.00	0.00	44.37	15.00	62.17	0.44	0.30	1.97	159.51	0.00	1.00	1.86	0.00	62.17	12.84	84.31	0.25	17.11	N/A	N/A	N/A	N/A
825	8.25	1.08	34.12	3.00	1.80E-009	1.15E-006	6.00	6.26	0.00	0.00	0.00	44.07	15.00	62.89	0.44	0.30	1.99	159.10	0.00	1.00	1.94	0.00	62.89	12.54	83.21	0.24	17.08	N/A	N/A	N/A	N/A
826	8.26	1.05	33.39	3.00	1.65E-009	9.96E-007	6.00	5.91	0.00	0.00	0.00	43.43	15.00	61.15	0.43	0.30	1.93	158.09	0.00	1.00	1.92	0.00	61.15	12.81	82.58	0.23	17.05	N/A	N/A	N/A	N/A
827	8.27	1.01	33.36	3.00	1.37E-009	7.55E-007	6.00	5.41	0.00	0.00	0.00	42.95	15.00	58.52	0.41	0.30	1.85	157.29	0.00	1.00	1.84	0.00	58.52	13.44	82.77	0.23	17.03	N/A	N/A	N/A	N/A
828	8.28	0.99	32.79	3.00	1.27E-009	6.69E-007	6.00	5.15	0.00	0.00	0.00	42.44	15.00	57.15	0.40	0.30	1.80	156.48	0.00	1.00	1.83	0.00	57.15	13.69	82.25	0.23	17.00	N/A	N/A	N/A	N/A
829	8.29	0.94	32.19	3.00	9.97E-010	4.64E-007	6.00	4.57	0.00	0.00	0.00	41.53	15.00	53.85	0.38	0.30	1.70	154.99	0.00	1.00	1.76	0.00	53.85	14.47	81.86	0.23	16.96	N/A	N/A	N/A	N/A
830	8.30	0.92	31.97	3.00	9.54E-010	4.22E-007	6.00	4.34	0.00	0.00	0.00	41.18	15.00	52.50	0.37	0.30	1.65	154.40	0.00	1.00	1.72	0.00	52.50	14.84	81.69	0.22	16.95	N/A	N/A	N/A	N/A
831	8.31	0.90	31.37	3.00	9.19E-010	3.85E-007	6.00	4.11	0.00	0.00	0.00	40.64	15.00	51.14	0.36	0.30	1.61	153.52	0.00	1.00	1.71	0.00	51.14	15.14	81.11	0.22	16.92	N/A	N/A	N/A	N/A
832	8.32	0.83	31.40	3.00	7.68E-010	2.66E-007	5.00	3.40	0.00	0.00	0.00	39.71	15.00	46.56	0.32	0.30	1.46	151.89	0.00	1.00	1.56	0.00	46.56	16.71	81.41	0.22	16.89	N/A	N/A	N/A	N/A
833	8.33	0.81	31.34	3.00	7.26E-010	2.37E-007	5.00	3.21	0.00	0.00	0.00	39.41	15.00	45.22	0.32	0.30	1.42	151.36	0.00	1.00	1.52	0.00	45.22	17.22	81.39	0.22	16.88	N/A	N/A	N/A	N/A
834	8.34	0.81	29.73	3.00	7.55E-010	2.46E-007	5.00	3.20	0.00	0.00	0.00	38.66	15.00	45.20	0.31	0.30	1.42	150.17	0.00	1.00	1.60	0.00	45.20	16.87	79.60	0.21	16.81	N/A	N/A	N/A	N/A
835	8.35	0.82	30.58	3.00	7.58E-010	2.54E-007	5.00	3.29	0.00	0.00	0.00	39.23	15.00	45.87	0.32	0.30	1.43	151.13	0.00	1.00	1.58	0.00	45.87	16.82	80.45	0.21	16.85	N/A	N/A	N/A	N/A
836	8.36	0.85	30.55	3.00	8.24E-010	3.01E-007	6.00	3.59	0.00	0.00	0.00	39.68	15.00	47.93	0.33	0.30	1.50	151.93	0.00	1.00	1.65	0.00	47.93	16.08	80.26	0.21	16.86	N/A	N/A	N/A	N/A
837	8.37	0.85	30.24	3.00	8.30E-010	3.03E-007	6.00	3.59	0.00	0.00	0.00	39.56	15.00	47.94	0.33	0.30	1.50	151.74	0.00	1.00	1.66	0.00	47.94	16.02	79.89	0.21	16.85	N/A	N/A	N/A	N/A
838	8.38	0.85	29.64	3.00	8.42E-010	3.08E-007	6.00	3.59	0.00	0.00	0.00	39.29	15.00	47.97	0.33	0.30	1.50	151.33	0.00	1.00	1.70	0.00	47.97	15.89	79.19	0.21	16.83	N/A	N/A	N/A	N/A
839	8.39	0.85	29.26	3.00	8.49E-010	3.10E-007	5.00	3.58	0.00	0.00	0.00	39.12	15.00	47.96	0.33	0.30	1.49	151.07	0.00	1.00	1.72	0.00	47.96	15.82	78.74	0.20	16.82	N/A	N/A	N/A	N/A
840	8.40	0.84	28.63	3.00	8.39E-010	2.97E-007	5.00	3.48	0.00	0.00	0.00	38.68	15.00	47.28	0.33	0.30	1.47	150.36	0.00	1.00	1.73	0.00	47.28	15.92	78.04	0.20	16.79	N/A	N/A	N/A	N/A
841	8.41	0.83	27.46	3.00	8.40E-010	2.89E-007	5.00	3.37	0.00	0.00	0.00	37.97	15.00	46.59	0.32	0.30	1.45	149.19	0.00	1.00	1.78	0.00	46.59	15.90	76.73	0.19	16.73	N/A	N/A	N/A	N/A
842	8.42	0.83	27.84	3.00	8.30E-010	2.85E-007	5.00	3.37	0.00	0.00	0.00	38.18	15.00	46.57	0.32	0.30	1.45	149.54	0.00	1.00	1.76	0.00	46.57	16.01	77.13	0.19	16.75	N/A	N/A	N/A	N/A
843	8.43	0.85	27.05	3.00	8.93E-010	3.24E-007	5.00	3.56	0.00	0.00	0.00	38.07	15.00	47.90	0.33	0.30	1.48	149.43	0.00	1.00	1.86	0.00	47.90	15.38	76.11	0.19	16.73	N/A	N/A	N/A	N/A
844	8.44	0.95	25.54	3.00	1.52E-009	7.13E-007	6.00	4.61	0.00	0.00	0.00	38.59	15.00	54.60	0.38	0.30	1.69	150.56	0.00	1.00	2.24	0.00	54.60	13.10	73.80	0.18	16.70	N/A	N/A	N/A	N/A
845	8.45	0.98	24.97	3.00	1.82E-009	9.21E-007	6.00	4.95	0.00	0.00	0.00	38.66	15.00	56.60	0.39	0.30	1.75	150.76	0.00	1.00	2.38	0.00	56.60	12.50	72.90	0.17	16.69	N/A	N/A	N/A	N/A
846	8.46	1.01	24.53	3.00	2.17E-009	1.17E-006	6.00	5.31	0.00	0.00	0.00	38.79	15.00	58.62	0.40	0.30	1.81	151.05	0.00	1.00	2.51	0.00	58.62	11.95	72.15	0.17	16.68	N/A	N/A	N/A	N/A
847	8.47	1.00	22.67	3.00	2.33E-009	1.23E-006	6.00	5.17	0.00	0.00	0.00	37.61	15.00	57.91	0.40	0.30	1.79	149.17	0.00	1.00	2.68	0.00	57.91	11.73	69.89	0.16	16.58	N/A	N/A	N/A	N/A
848	8.48	0.97	21.91	3.00	2.06E-009	9.98E-007	6.00	4.76	0.00	0.00	0.00	36.78	15.00	55.56	0.38	0.30	1.71	147.73	0.00	1.00	2.66	0.00	55.56	12.11	69.13	0.15	16.53	N/A	N/A	N/A	N/A
849	8.49	0.93	23.14	3.00	1.52E-009	6.67E-007	6.00	4.29	0.00	0.00	0.00	37.02	15.00	52.82	0.36	0.30	1.63	148.02	0.00	1.00	2.40	0.00	52.82	13.08	70.89	0.16	16.58	N/A	N/A	N/A	N/A
850	8.50	0.91	23.90	3.00	1.30E-009	5.39E-007	6.00	4.08	0.00	0.00	0.00	37.22	15.00	51.49	0.35	0.30	1.58	148.29	0.00	1.00	2.26	0.00	51.49	13.63	71.91	0.16	16.61	N/A	N/A	N/A	N/A
851	8.51	0.90	24.25	3.00	1.20E-009	4.83E-007	6.00	3.97	0.00	0.00	0.00	37.31	15.00	50.82	0.35	0.30	1.56	148.41	0.00	1.00	2.20	0.00	50.82	13.91	72.36	0.17	16.62	N/A	N/A	N/A	N/A
852	8.52	0.88	24.28	3.00	1.07E-009	4.08E-007	5.00	3.76	0.00	0.00	0.00	37.09	15.00	49.50	0.34	0.30	1.52	148.00	0.00	1.00	2.14	0.00	49.50	14.31	72.46	0.17	16.61	N/A	N/A	N/A	N/A
853	8.53	0.91	24.72	3.00	1.22E-009	5.06E-007	6.00	4.07	0.00	0.00	0.00	37.75	15.00	51.52	0.35	0.30	1.58	149.15	0.00	1.00	2.19	0.00	51.52	13.84	72.81	0.17	16.65	N/A	N/A	N/A	N/A
854	8.54	1.00	25.67	3.00	1.85E-009	9.64E-007	6.00	5.11	0.00	0.00	0.00	39.45	15.00	57.78	0.39	0.30	1.77	152.11	0.00	1.00	2.36	0.00	57.78	12.45	73.37	0.17	16.73	N/A	N/A	N/A	N/A
855	8.55	1.12	25.54	3.00	3.24E-009	2.19E-006	6.00	6.65	0.00	0.00	0.00	40.79	15.00	65.95	0.45	0.30	2.02	154.49	0.00	1.00	2.71	0.00	65.95	10.76	72.34	0.17	16.76	N/A	N/A	N/A	N/A
856	8.56	1.53	24.81	4.00	1.45E-008	1.97E-005	7.00	13.33	0.00	0.00	0.00	44.31	15.00	93.45	0.63	0.30	2.85	160.61	0.00	1.00	3.95	0.00	93.45	7.11	67.67	0.21	16.85	N/A	N/A	N/A	N/A
857	8.57	1.75	25.16	4.00	2.61E-008	4.75E-005	8.00	17.87	0.00	0.00	0.00	46.26	15.00	108.11	0.73	0.30	3.31	163.79	0.00	1.00	4.51	0.00	108.11	5.97	65.84	0.18	16.92	N/A	N/A	N/A	N/A
858	8.58	2.21	26.64	4.00	7.09E-008	2.11E-004	9.00	29.14	0.00	0.00	0.00	50.00	15.00	138.77	0.94	0.30	4.33	169.50	0.00	1.00	5.47	0.00	138.77	4.37	63.01	0.14	17.07	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
859	8.59	2.41	27.30	4.00	1.02E-007	3.31E-004	10.00	31.93	0.00	0.00	0.00	51.53	15.00	152.07	1.03	0.30	4.77	171.77	0.00	1.00	5.85	0.00	152.07	3.89	61.84	0.13	17.13	N/A	N/A	N/A	N/A
860	8.60	2.55	28.06	4.00	1.26E-007	4.34E-004	10.00	33.89	0.00	0.00	0.00	52.77	15.00	161.37	1.09	0.30	5.08	173.56	0.00	1.00	6.04	0.00	161.37	3.63	61.39	0.13	17.19	N/A	N/A	N/A	N/A
861	8.61	2.66	31.78	4.00	1.23E-007	4.41E-004	11.00	35.30	0.00	0.00	0.00	55.73	15.00	168.11	1.13	0.30	5.28	177.54	0.00	1.00	5.55	0.00	168.11	3.65	64.38	0.16	17.34	N/A	N/A	N/A	N/A
862	8.62	2.67	32.29	4.00	1.20E-007	4.35E-004	11.00	35.39	0.00	0.00	0.00	56.11	15.00	168.54	1.14	0.30	5.29	178.06	0.00	1.00	5.48	0.00	168.54	3.68	64.83	0.17	17.36	N/A	N/A	N/A	N/A
863	8.63	2.68	32.16	4.00	1.23E-007	4.44E-004	11.00	35.51	0.00	0.00	0.00	56.10	15.00	169.09	1.14	0.30	5.30	178.06	0.00	1.00	5.52	0.00	169.09	3.66	64.61	0.16	17.36	N/A	N/A	N/A	N/A
864	8.64	2.60	32.48	4.00	1.04E-007	3.65E-004	10.00	34.36	0.00	0.00	0.00	55.93	15.00	163.64	1.10	0.30	5.11	177.78	0.00	1.00	5.29	0.00	163.64	3.86	65.68	0.18	17.36	N/A	N/A	N/A	N/A
865	8.65	2.53	32.98	4.00	8.90E-008	3.03E-004	10.00	33.38	0.00	0.00	0.00	55.91	15.00	158.93	1.07	0.30	4.94	177.71	0.00	1.00	5.06	0.00	158.93	4.06	66.85	0.20	17.37	N/A	N/A	N/A	N/A
866	8.66	2.46	33.26	4.00	7.66E-008	2.53E-004	10.00	32.39	0.00	0.00	0.00	55.74	15.00	154.23	1.03	0.30	4.77	177.45	0.00	1.00	4.87	0.00	154.23	4.26	67.81	0.21	17.36	N/A	N/A	N/A	N/A
867	8.67	2.32	33.96	4.00	5.58E-008	1.73E-004	10.00	30.41	0.00	0.00	0.00	55.42	15.00	144.80	0.97	0.30	4.45	176.94	0.00	1.00	4.48	0.00	144.80	4.72	69.92	0.25	17.37	N/A	N/A	N/A	N/A
868	8.68	2.25	34.37	4.00	4.71E-008	1.41E-004	10.00	29.43	0.00	0.00	0.00	55.30	15.00	140.12	0.94	0.30	4.28	176.74	0.00	1.00	4.28	0.00	140.12	4.98	71.03	0.28	17.37	N/A	N/A	N/A	N/A
869	8.69	2.07	36.07	4.00	2.91E-008	7.35E-005	9.00	24.80	0.00	0.00	0.00	55.25	15.00	128.10	0.86	0.30	3.87	176.53	0.00	1.00	3.73	0.00	128.10	5.78	74.57	0.37	17.39	N/A	N/A	N/A	N/A
870	8.70	2.00	37.05	4.00	2.35E-008	5.47E-005	9.00	22.89	0.00	0.00	0.00	55.39	15.00	123.42	0.82	0.30	3.71	176.68	0.00	1.00	3.50	0.00	123.42	6.17	76.24	0.43	17.41	N/A	N/A	N/A	N/A
871	8.71	1.90	38.72	4.00	1.72E-008	3.58E-005	9.00	20.44	0.00	0.00	0.00	55.52	15.00	116.73	0.78	0.30	3.50	176.71	0.00	1.00	3.17	0.00	116.73	6.76	78.97	0.54	17.44	N/A	N/A	N/A	N/A
872	8.72	1.85	38.56	4.00	1.53E-008	3.00E-005	9.00	19.27	0.00	0.00	0.00	55.05	15.00	113.38	0.76	0.30	3.40	176.04	0.00	1.00	3.09	0.00	113.38	7.00	79.32	0.55	17.43	N/A	N/A	N/A	N/A
873	8.73	1.82	38.31	3.00	1.43E-008	2.70E-005	9.00	18.56	0.00	0.00	0.00	54.69	15.00	111.34	0.74	0.30	3.33	175.53	0.00	1.00	3.05	0.00	111.34	7.14	79.37	0.55	17.41	N/A	N/A	N/A	N/A
874	8.74	1.81	37.55	3.00	1.43E-008	2.67E-005	9.00	18.31	0.00	0.00	0.00	54.23	15.00	110.66	0.74	0.30	3.31	174.92	0.00	1.00	3.09	0.00	110.66	7.13	78.69	0.52	17.39	N/A	N/A	N/A	N/A
875	8.75	1.82	37.27	4.00	1.48E-008	2.80E-005	9.00	18.50	0.00	0.00	0.00	54.19	15.00	111.31	0.74	0.30	3.32	174.90	0.00	1.00	3.14	0.00	111.31	7.06	78.28	0.51	17.38	N/A	N/A	N/A	N/A
876	8.76	1.89	38.06	4.00	1.70E-008	3.47E-005	9.00	20.06	0.00	0.00	0.00	55.22	15.00	115.96	0.77	0.30	3.46	176.36	0.00	1.00	3.20	0.00	115.96	6.79	78.32	0.51	17.42	N/A	N/A	N/A	N/A
877	8.77	1.93	38.94	4.00	1.79E-008	3.83E-005	9.00	20.97	0.00	0.00	0.00	56.04	15.00	118.62	0.79	0.30	3.54	177.49	0.00	1.00	3.20	0.00	118.62	6.68	78.74	0.53	17.45	N/A	N/A	N/A	N/A
878	8.78	1.98	40.61	4.00	1.87E-008	4.22E-005	9.00	22.13	0.00	0.00	0.00	57.35	15.00	121.94	0.81	0.30	3.63	179.25	0.00	1.00	3.15	0.00	121.94	6.60	79.83	0.58	17.51	N/A	N/A	N/A	N/A
879	8.79	1.95	41.78	4.00	1.66E-008	3.61E-005	9.00	21.38	0.00	0.00	0.00	57.74	15.00	119.92	0.79	0.30	3.57	179.71	0.00	1.00	3.01	0.00	119.92	6.84	81.25	0.58	17.54	N/A	N/A	N/A	N/A
880	8.80	1.90	43.54	3.00	1.37E-008	2.81E-005	9.00	20.18	0.00	0.00	0.00	58.23	15.00	116.56	0.77	0.30	3.46	180.29	0.00	1.00	2.81	0.00	116.56	7.23	83.43	0.58	17.57	N/A	N/A	N/A	N/A
881	8.81	1.74	48.71	3.00	7.49E-009	1.27E-005	9.00	16.63	0.00	0.00	0.00	59.30	15.00	105.87	0.70	0.30	3.14	181.44	0.00	1.00	2.28	0.00	105.87	8.58	89.78	0.58	17.67	N/A	N/A	N/A	N/A
882	8.82	1.73	50.61	3.00	6.80E-009	1.14E-005	9.00	16.39	0.00	0.00	0.00	60.10	15.00	105.19	0.69	0.30	3.12	182.44	0.00	1.00	2.18	0.00	105.19	8.81	91.52	0.58	17.71	N/A	N/A	N/A	N/A
883	8.83	1.81	51.14	3.00	8.20E-009	1.51E-005	9.00	18.07	0.00	0.00	0.00	61.13	15.00	110.51	0.73	0.30	3.27	183.85	0.00	1.00	2.27	0.00	110.51	8.36	91.16	0.58	17.74	N/A	N/A	N/A	N/A
884	8.84	2.10	53.70	3.00	1.49E-008	3.78E-005	10.00	24.92	0.00	0.00	0.00	64.91	15.00	129.84	0.85	0.30	3.84	188.85	0.00	1.00	2.54	0.00	129.84	7.06	90.29	0.58	17.85	N/A	N/A	N/A	N/A
885	8.85	2.29	56.85	4.00	1.99E-008	6.07E-005	11.00	29.92	0.00	0.00	0.00	67.95	15.00	142.50	0.93	0.30	4.21	192.70	0.00	1.00	2.63	0.00	142.50	6.48	90.85	0.58	17.95	N/A	N/A	N/A	N/A
886	8.86	2.51	59.15	4.00	2.83E-008	9.52E-005	11.00	33.01	0.00	0.00	0.00	70.65	15.00	157.17	1.03	0.30	4.65	196.04	0.00	1.00	2.79	0.00	157.17	5.83	90.37	0.58	18.03	N/A	N/A	N/A	N/A
887	8.87	2.89	63.63	4.00	4.81E-008	1.88E-004	12.00	38.33	0.00	0.00	0.00	75.09	15.00	182.51	1.19	0.30	5.46	201.33	0.00	1.00	3.01	0.00	182.51	4.94	89.97	0.58	18.17	35.31	0.94	13.43	0.48
888	8.88	2.95	64.48	4.00	5.16E-008	2.06E-004	13.00	39.16	0.00	0.00	0.00	75.85	15.00	186.49	1.22	0.30	5.59	202.22	0.00	1.00	3.04	0.00	186.49	4.83	90.00	0.58	18.20	35.11	0.93	13.47	0.48
889	8.89	2.98	65.24	4.00	5.29E-008	2.13E-004	13.00	39.58	0.00	0.00	0.00	76.39	15.00	188.48	1.23	0.30	5.64	202.85	0.00	1.00	3.03	0.00	188.48	4.80	90.26	0.58	18.21	34.96	0.93	13.50	0.48
890	8.90	2.96	65.46	4.00	5.08E-008	2.04E-004	13.00	39.30	0.00	0.00	0.00	76.40	15.00	187.14	1.22	0.30	5.60	202.86	0.00	1.00	3.00	0.00	187.14	4.86	90.63	0.58	18.21	34.95	0.93	13.50	0.48
891	8.91	2.89	63.50	4.00	4.80E-008	1.87E-004	12.00	38.32	0.00	0.00	0.00	75.10	15.00	182.46	1.19	0.30	5.45	201.36	0.00	1.00	3.02	0.00	182.46	4.95	89.83	0.58	18.17	35.33	0.94	13.43	0.48
892	8.92	2.89	63.50	4.00	4.79E-008	1.87E-004	12.00	38.31	0.00	0.00	0.00	75.12	15.00	182.45	1.19	0.30	5.44	201.38	0.00	1.00	3.02	0.00	182.45	4.95	89.82	0.58	18.17	35.33	0.94	13.43	0.48
893	8.93	2.89	63.50	4.00	4.78E-008	1.87E-004	12.00	38.31	0.00	0.00	0.00	75.13	15.00	182.44	1.19	0.30	5.44	201.41	0.00	1.00	3.02	0.00	182.44	4.95	89.81	0.58	18.17	35.33	0.94	13.43	0.48
894	8.94	2.93	43.67	4.00	1.00E-007	3.98E-004	12.00	38.87	0.00	0.00	0.00	65.09	15.00	185.10	1.21	0.30	5.61	189.70	0.00	1.00	4.45	0.00	185.10	3.90	72.97	0.33	17.74	39.25	1.04	12.74	0.51
895	8.95	2.87	44.39	4.00	8.84E-008	3.43E-004	12.00	38.03	0.00	0.00	0.00	65.21	15.00	181.08	1.18	0.30	5.47	189.81	0.00	1.00	4.28	0.00	181.08	4.07	74.17	0.36	17.76	39.14	1.04	12.76	0.51
896	8.96	2.85	45.25	4.00	8.25E-008	3.17E-004	12.00	37.74	0.00	0.00	0.00	65.60	15.00	179.71	1.17	0.30	5.42	190.28	0.00	1.00	4.17	0.00	179.71	4.16	75.12	0.39	17.77	38.95	1.03	12.79	0.51
897	8.97	2.81	46.82	4.00	7.25E-008	2.75E-004	12.00	37.17	0.00	0.00	0.00	66.27	15.00	177.01	1.15	0.30	5.32	191.07	0.00	1.00	3.97	0.00	177.01	4.34	76.88	0.45	17.81	38.63	1.02	12.85	0.51
898	8.98	2.83	50.61	4.00	6.50E-008	2.48E-004	12.00	37.44	0.00	0.00	0.00	68.43	15.00	178.30	1.16	0.30	5.34	193.65	0.00	1.00	3.70	0.00	178.30	4.49	79.95	0.58	17.90	37.76	1.00	12.99	0.50
899	8.99	2.88	51.17	4.00	6.91E-008	2.69E-004	12.00	38.14	0.00	0.00	0.00	69.00	15.00	181.61	1.18	0.30	5.44	194.36	0.00	1.00	3.73	0.00	181.61	4.40	79.92	0.58	17.92	37.58	1.00	13.03	0.50
900	9.00	3.05	52.28	4.00	8.70E-008	3.59E-004	12.00	40.51	0.00	0.00	0.00	70.49	15.00	192.91	1.25	0.30	5.81	196.19	0.00	1.00	3.87	0.00	192.91	4.09	79.18	0.55	17.97	37.15	0.98	13.10	0.50
901	9.01	3.18	53.92	4.00	1.00E-007	4.31E-004	13.00	42.33	0.00	0.00	0.00	72.03	15.00	201.55	1.31	0.30	6.09	198.03	0.00	1.00	3.92	0.00	201.55	3.91	79.28	0.55	18.02	36.68	0.97	13.18	0.49
902	9.02	3.51	59.02	4.00	1.35E-007	6.44E-004	14.00	46.94	0.00	0.00	0.00	76.29	15.00	223.52	1.45	0.30	6.79	203.01	0.00	1.00	3.98	0.00	223.52	3.54	80.24	0.58	18.16	35.42	0.94	13.41	0.48
903	9.03	3.69	61.14	4.00	1.59E-007	8.03E-004	14.00	49.46	0.00	0.00	0.00	78.23	15.00	235.51	1.53	0.30	7.18	205.23	0.00	1.00	4.04	0.00	235.51	3.35	80.26	0.58	18.22	34.90	0.92	13.51	0.48
904	9.04	3.86	62.49	4.00	1.89E-007	9.96E-004	15.00	51.83	0.00	0.00	0.00	79.70	15.00	246.82	1.60	0.30	7.55	206.92	0.00	1.00	4.15	0.00	246.82	3.17	79.82	0.58	18.26	34.53	0.92	13.57	0.48
905	9.05	3.99	63.44	5.00	2.14E-007	1.17E-003	15.00	53.65	27.00	33.22	65.84	80.78	0.00	0.00	0.00	0.30	0.00	208.14	-0.07	0.00	0.00	0.00	101.02	3.04	79.46	0.56	18.29	34.28	0.91	13.62	0.48
906	9.06	4.14	64.29	5.00	2.47E-007	1.40E-003	15.00	55.74	28.00	33.17	66.63	81.88	0.00	0.00	0.00	0.30	0.00	209.38	-0.07	0.00	0.00	0.00	100.89	2.90	78.91	0.53	18.32	34.03	0.90	13.67	0.47
907	9.07	4.17	65.24	5.00	2.48E-007	1.42E-003	15.00	56.15	28.00	33.21	67.07	82.50	0.00	0.00	0.00	0.30	0.00	210.06	-0.07	0.00	0.00	0.00	101.09	2.90	79.34	0.55	18.34	33.86	0.90	13.70	0.47
908	9.08	4.16	65.36	5.00	2.44E-007	1.40E-003	15.00	56.01	28.00	33.22	67.09	82.54	0.00	0.00	0.00	0.30	0.00	210.10	-0.07	0.00	0.00	0.00	101.20	2.91	79.49	0.56	18.34	33.85	0.90	13.70	0.47
909	9.09	4.12	64.23	5.00	2.41E-007	1.36E-003	15.00	55.44	28.00	33.18	66.59	81.81	0.00	0.00	0.00	0.30	0.00	209.32	-0.07	0.00	0.00	0.00	101.09	2.93	79.00	0.54	18.32	34.05	0.90	13.67	0.47
910	9.10	4.06	62.81	5.00	2.34E-007	1.30E-003	15.00	54.60	28.00	33.13	65.92	80.85	0.00	0.00	0.00	0.30	0.00	208.26	-0.07	0.00	0.00	0.00	100.96	2.95	78.45	0.51	18.29	34.32	0.91	13.62	0.48
911	9.11	3.80	60.35	4.00	1.85E-007	9.58E-004	14.00	50.96	0.00	0.00	0.00	78.47	15.00	242.65	1.57	0.30	7.39	205.57	0.00	1.00	4.22	0.00	242.65	3.19	78.71	0.52	18.22	34.93	0.93	13.50	0.48
912	9.12	3.65	58.96	4.00	1.59E-007	7.93E-004	14.00	48.85	0.00	0.00	0.00	77.09	15.00	232.64	1.50	0.30	7.06	203.99	0.00	1.00	4.14	0.00	232.64	3.35	78.93	0.53	18.17	35.30	0.94	13.43	0.48
913	9.13	3.30	56.28	4.00	1.08E-007	4.83E-004	13.00	43.96	0.00	0.00	0.00	74.06	15.00	209.35	1.35	0.30	6.29	200.45	0.00	1.00	3.91	0.00	209.35	3.81	79.97	0.58	18.08	36.11	0.96	13.28	0.49
914	9.14	3.14	55.37	4.00	8.78E-008	3.73E-004	13.00	41.73	0.00	0.00	0.00	72.80	15.00	198.69	1.28	0.30	5.94	198.95	0.00	1.00	3.77	0.00	198.69	4.08	80.75	0.58	18.04	36.45	0.97	13.22	0.49
915	9.15	2.98	55.08	4.00	6.91E-008	2.78E-004	12.00	39.49	0.00	0.00	0.00	71.84	15.00	188.04	1.21	0.30	5.59	197.77	0.00	1.00	3.58	0.00	188.04	4.41	82.06	0.58	18.02	36.68	0.97	13.18	0.49
916	9.16	2.71	55.02	4.00	4.40E-008	1.60E-004	12.00	35.71	0.00	0.00	0.00	70.34	15.00	170.05	1.10	0.30	5.00	195.90	0.00	1.00	3.25	0.00	170.05	5.08	84.69	0.58	17.98	37.03	0.98	13.12	0.50
917	9.17	2.61	54.83	4.00	3.70E-008	1.29E-004	12.00	34.31	0.00	0.00	0.00	69.68	15.00	163.37	1.05	0.30	4.78	195.08	0.00	1.00	3.13	0.00	163.37	5.37	85.53	0.58	17.96	37.19	0.99	13.09	0.50
918	9.18	2.39	56.31	4.00	2.31E-008	7.35E-005	11.00	31.22	0.00	0.00	0.00	69.03	15.00	148.69	0.96	0.30	4.31	194.19	0.00	1.00	2.77	0.00	148.69	6.20	88.95	0.58	17.96	37.22	0.99	13.09	0.50
919	9.19	2.29	58.14	4.00	1.80E-008	5.34E-005	11.00	29.19	0.00	0.00	0.00	69.09	15.00	142.01	0.91	0.30	4.11	194.16	0.00	1.00	2.56	0.00	142.01	6.68	91.52	0.58	17.98	37.04	0.98	13.12	0.50
920	9.20	2.10	61.77	3.00	1.08E-008	2.67E-005	10.00	24.20	0.00	0.00	0.00	69.08	15.00	129.33	0.83	0.30	3.74	193.96	0.00	1.00	2.20	0.00	129.33	7.73	96.45	0.58	18.02	36.70	0.97	13.18	0.49
921	9.21	1.99	63.75	3.00	7.97E-009	1.75E-005	10.00	21.52	0.00	0.00	0.00	68.93	15.00	121.98	0.78	0.30	3.53	193.66	0.00	1.00	2.01	0.00	121.98	8.43	99.12	0.58	18.03	36.56	0.97	13.20	0.49
922	9.22	1.78	67.57	3.00	4.26E-009	7.33E-006	10.00	16.85	0.00	0.00	0.00	68.42	15.00	107.97	0.69	0.30	3.12	192.81	0.00	1.00	1.68	0.00	107.97	10.00	104.05	0.43	18.06	36.35	0.96	13.24	0.49
923	9.23	1.70	69.43	3.00	3.27E-009	5.06E-006	9.00	15.21	0.00	0.00	0.00	68.30	15.00	102.63	0.66	0.30	2.96	192.57	0.00	1.00	1.55	0.00	102.63	10.74	106.13	0.45	18.07	36.22	0.96	13.26	0.49
924	9.24	1.61	71.35	3.00	2.40E-009	3.30E-006	9.00	13.48	0.00	0.00	0.00	68.04	15.00	96.64	0.62	0.30	2.79	192.14	0.00	1.00	1.42	0.00	96.64	11.64	108.26	0.46	18.08	36.13	0.96	13.28	0.49

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
925	9.25	1.46	74.16	3.00	1.40E-009	1.55E-006	9.00	10.83	0.00	0.00	0.00	67.27	15.00	86.63	0.56	0.30	2.50	191.01	0.00	1.00	1.23	0.00	86.63	13.36	111.37	0.48	18.09	36.07	0.96	13.29	0.49
926	9.26	1.39	75.77	3.00	1.06E-009	1.05E-006	9.00	9.69	0.00	0.00	0.00	66.94	15.00	81.95	0.53	0.30	2.36	190.52	0.00	1.00	1.14	0.00	81.95	14.33	112.94	0.49	18.09	36.01	0.95	13.30	0.49
927	9.27	1.22	81.22	3.00	7.18E-010	5.26E-007	8.00	7.19	0.00	0.00	0.00	66.38	15.00	70.60	0.45	0.30	2.04	189.56	0.00	1.00	0.91	0.00	70.60	17.33	117.57	0.52	18.12	35.75	0.95	13.35	0.49
928	9.28	1.18	83.08	3.00	6.53E-010	4.43E-007	8.00	6.65	0.00	0.00	0.00	66.38	15.00	67.92	0.43	0.30	1.96	189.49	0.00	1.00	0.86	0.00	67.92	18.24	118.96	0.53	18.14	35.63	0.94	13.37	0.49
929	9.29	1.21	85.32	3.00	6.75E-010	4.84E-007	8.00	7.04	0.00	0.00	0.00	67.60	15.00	69.92	0.45	0.30	2.01	191.01	0.00	1.00	0.86	0.00	69.92	17.92	120.28	0.55	18.18	35.28	0.93	13.44	0.48
930	9.30	1.50	83.46	3.00	1.27E-009	1.48E-006	9.00	11.46	0.00	0.00	0.00	71.15	15.00	89.25	0.57	0.30	2.57	195.66	0.00	1.00	1.12	0.00	89.25	13.71	117.39	0.53	18.23	34.78	0.92	13.53	0.48
931	9.31	1.63	83.59	3.00	1.87E-009	2.63E-006	9.00	13.79	0.00	0.00	0.00	72.85	15.00	97.92	0.63	0.30	2.82	197.80	0.00	1.00	1.23	0.00	97.92	12.41	116.52	0.53	18.27	34.50	0.91	13.58	0.48
932	9.32	1.64	78.98	3.00	2.14E-009	3.05E-006	9.00	13.97	0.00	0.00	0.00	71.34	15.00	98.58	0.63	0.30	2.83	196.08	0.00	1.00	1.31	0.00	98.58	11.99	113.27	0.50	18.20	35.04	0.93	13.48	0.48
933	9.33	1.61	75.92	3.00	2.11E-009	2.88E-006	9.00	13.40	0.00	0.00	0.00	69.88	15.00	96.56	0.62	0.30	2.77	194.34	0.00	1.00	1.34	0.00	96.56	12.04	111.35	0.48	18.15	35.50	0.94	13.40	0.48
934	9.34	1.52	72.77	3.00	1.73E-009	2.08E-006	9.00	11.77	0.00	0.00	0.00	67.64	15.00	90.55	0.58	0.30	2.60	191.57	0.00	1.00	1.31	0.00	90.55	12.66	109.76	0.46	18.08	36.12	0.96	13.28	0.49
935	9.35	1.37	63.53	3.00	1.35E-009	1.28E-006	8.00	9.31	0.00	0.00	0.00	62.26	15.00	80.53	0.51	0.30	2.31	184.81	0.00	1.00	1.33	0.00	80.53	13.49	103.99	0.41	17.88	37.92	1.00	12.97	0.50
936	9.36	1.30	59.12	3.00	1.19E-009	1.00E-006	8.00	8.25	0.00	0.00	0.00	59.64	15.00	75.85	0.48	0.30	2.18	181.40	0.00	1.00	1.35	0.00	75.85	13.93	101.03	0.38	17.78	38.89	1.03	12.80	0.51
937	9.37	1.22	57.32	3.00	9.52E-010	6.92E-007	8.00	7.13	0.00	0.00	0.00	57.87	15.00	70.50	0.45	0.30	2.02	178.99	0.00	1.00	1.29	0.00	70.50	14.85	100.08	0.37	17.72	39.47	1.05	12.71	0.51
938	9.38	1.09	55.21	3.00	7.63E-010	4.26E-007	7.00	5.48	0.00	0.00	0.00	55.20	15.00	61.82	0.39	0.30	1.77	175.24	0.00	1.00	1.18	0.00	61.82	16.77	99.04	0.35	17.63	40.33	1.07	12.57	0.52
939	9.39	1.04	55.40	3.00	6.83E-010	3.41E-007	7.00	4.90	0.00	0.00	0.00	54.53	15.00	58.47	0.37	0.30	1.68	174.23	0.00	1.00	1.11	0.00	58.47	17.80	99.38	0.35	17.62	40.47	1.07	12.54	0.52
940	9.40	0.99	55.65	3.00	6.08E-010	2.70E-007	7.00	4.35	0.00	0.00	0.00	53.84	15.00	55.13	0.35	0.30	1.58	173.20	0.00	1.00	1.04	0.00	55.13	18.96	99.74	0.35	17.61	40.60	1.08	12.52	0.52
941	9.41	0.93	54.45	3.00	5.35E-010	2.04E-007	6.00	3.74	0.00	0.00	0.00	52.40	15.00	51.11	0.33	0.30	1.46	171.10	0.00	1.00	0.99	0.00	51.11	20.30	98.97	0.35	17.56	41.10	1.09	12.44	0.52
942	9.42	0.91	53.32	3.00	5.17E-010	1.87E-007	6.00	3.54	0.00	0.00	0.00	51.64	15.00	49.77	0.32	0.30	1.42	170.01	0.00	1.00	0.98	0.00	49.77	20.67	98.10	0.34	17.53	41.43	1.10	12.39	0.52
943	9.43	0.90	51.33	3.00	5.19E-010	1.82E-007	6.00	3.44	0.00	0.00	0.00	50.71	15.00	49.09	0.31	0.30	1.40	168.71	0.00	1.00	1.00	0.00	49.09	20.63	96.51	0.33	17.48	41.93	1.11	12.31	0.53
944	9.44	0.80	49.09	2.00	4.06E-010	1.06E-007	6.00	2.57	0.00	0.00	0.00	48.06	15.00	42.41	0.27	0.30	1.21	164.69	0.00	1.00	0.91	0.00	42.41	23.49	94.88	0.31	17.38	42.94	1.14	12.16	0.53
945	9.45	0.79	47.86	2.00	4.02E-010	1.02E-007	6.00	2.49	0.00	0.00	0.00	47.40	15.00	41.73	0.26	0.30	1.19	163.73	0.00	1.00	0.92	0.00	41.73	23.62	93.86	0.30	17.35	43.31	1.15	12.10	0.53
946	9.46	0.87	45.34	3.00	5.28E-010	1.70E-007	6.00	3.16	0.00	0.00	0.00	47.84	15.00	47.06	0.30	0.30	1.34	164.60	0.00	1.00	1.09	0.00	47.06	20.43	91.52	0.29	17.32	43.58	1.15	12.06	0.54
947	9.47	0.93	43.89	3.00	6.33E-010	2.40E-007	6.00	3.72	0.00	0.00	0.00	48.23	15.00	51.05	0.32	0.30	1.46	165.32	0.00	1.00	1.22	0.00	51.05	18.55	90.07	0.28	17.31	43.71	1.16	12.05	0.54
948	9.48	1.00	42.72	3.00	7.64E-010	3.45E-007	6.00	4.43	0.00	0.00	0.00	48.80	15.00	55.71	0.35	0.30	1.59	166.32	0.00	1.00	1.37	0.00	55.71	16.76	88.77	0.27	17.31	43.74	1.16	12.04	0.54
949	9.49	1.19	42.91	3.00	1.33E-009	9.03E-007	7.00	6.66	0.00	0.00	0.00	51.49	15.00	68.38	0.43	0.30	1.95	170.49	0.00	1.00	1.67	0.00	68.38	13.54	87.98	0.27	17.38	42.97	1.14	12.16	0.53
950	9.50	1.28	42.82	3.00	1.90E-009	1.53E-006	7.00	7.88	0.00	0.00	0.00	52.57	15.00	74.37	0.47	0.30	2.12	172.14	0.00	1.00	1.82	0.00	74.37	12.36	87.32	0.27	17.40	42.70	1.13	12.20	0.53
951	9.51	1.50	40.45	3.00	4.47E-009	5.15E-006	8.00	11.29	0.00	0.00	0.00	53.90	15.00	89.02	0.56	0.30	2.54	174.32	0.00	1.00	2.31	0.00	89.02	9.87	83.46	0.26	17.40	42.75	1.13	12.19	0.53
952	9.52	1.54	40.01	3.00	5.15E-009	6.28E-006	8.00	11.97	0.00	0.00	0.00	54.10	15.00	91.68	0.58	0.30	2.61	174.66	0.00	1.00	2.41	0.00	91.68	9.50	82.70	0.25	17.40	42.77	1.13	12.19	0.53
953	9.53	1.57	36.13	3.00	6.68E-009	8.50E-006	8.00	12.48	0.00	0.00	0.00	52.40	15.00	93.67	0.59	0.30	2.67	172.45	0.00	1.00	2.72	0.00	93.67	8.85	78.67	0.23	17.29	43.96	1.16	12.01	0.54
954	9.54	1.59	34.56	3.00	7.61E-009	9.95E-006	8.00	12.83	0.00	0.00	0.00	51.76	15.00	94.99	0.60	0.30	2.70	171.62	0.00	1.00	2.89	0.00	94.99	8.54	76.91	0.45	17.24	44.46	1.18	11.93	0.54
955	9.55	1.63	33.74	3.00	8.87E-009	1.23E-005	8.00	13.55	0.00	0.00	0.00	51.70	15.00	97.65	0.62	0.30	2.78	171.60	0.00	1.00	3.04	0.00	97.65	8.18	75.70	0.41	17.22	44.66	1.18	11.91	0.54
956	9.56	1.72	32.89	3.00	1.19E-008	1.84E-005	8.00	15.26	0.00	0.00	0.00	52.04	15.00	103.64	0.65	0.30	2.94	172.22	0.00	1.00	3.31	0.00	103.64	7.54	73.97	0.35	17.21	44.76	1.19	11.89	0.54
957	9.57	1.73	32.89	3.00	1.22E-008	1.91E-005	8.00	15.45	0.00	0.00	0.00	52.14	15.00	104.29	0.66	0.30	2.96	172.37	0.00	1.00	3.33	0.00	104.29	7.48	73.87	0.35	17.22	44.74	1.19	11.89	0.54
958	9.58	1.70	32.26	3.00	1.15E-008	1.75E-005	8.00	14.85	0.00	0.00	0.00	51.53	15.00	102.28	0.65	0.30	2.90	171.50	0.00	1.00	3.33	0.00	102.28	7.59	73.49	0.34	17.19	45.06	1.19	11.85	0.54
959	9.59	1.66	32.54	3.00	1.02E-008	1.46E-005	8.00	14.08	0.00	0.00	0.00	51.34	15.00	99.60	0.63	0.30	2.83	171.18	0.00	1.00	3.21	0.00	99.60	7.87	74.15	0.36	17.19	45.05	1.19	11.85	0.54
960	9.60	1.60	33.11	3.00	8.32E-009	1.10E-005	8.00	12.96	0.00	0.00	0.00	51.12	15.00	95.59	0.60	0.30	2.71	170.78	0.00	1.00	3.03	0.00	95.59	8.33	75.29	0.39	17.19	44.99	1.19	11.86	0.54
961	9.61	1.46	32.63	3.00	5.52E-009	5.94E-006	8.00	10.54	0.00	0.00	0.00	49.51	15.00	86.24	0.54	0.30	2.44	168.33	0.00	1.00	2.78	0.00	86.24	9.33	76.01	0.21	17.14	45.57	1.21	11.78	0.55
962	9.62	1.38	30.17	3.00	4.79E-009	4.53E-006	7.00	9.27	0.00	0.00	0.00	47.35	15.00	80.89	0.51	0.30	2.29	165.14	0.00	1.00	2.82	0.00	80.89	9.69	74.08	0.19	17.03	46.86	1.24	11.60	0.55
963	9.63	1.22	27.18	3.00	3.13E-009	2.22E-006	7.00	6.98	0.00	0.00	0.00	43.95	15.00	70.21	0.44	0.30	1.99	159.91	0.00	1.00	2.71	0.00	70.21	10.86	72.01	0.17	16.86	48.87	1.30	11.33	0.56
964	9.64	1.16	28.19	3.00	2.30E-009	1.45E-006	7.00	6.20	0.00	0.00	0.00	43.86	15.00	66.19	0.42	0.30	1.87	159.63	0.00	1.00	2.47	0.00	66.19	11.77	73.51	0.18	16.89	48.59	1.29	11.36	0.56
965	9.65	1.15	30.17	3.00	1.97E-009	1.22E-006	7.00	6.07	0.00	0.00	0.00	44.84	15.00	65.51	0.41	0.30	1.85	161.04	0.00	1.00	2.28	0.00	65.51	12.25	75.69	0.19	16.96	47.69	1.26	11.48	0.56
966	9.66	1.37	39.38	3.00	2.96E-009	2.74E-006	8.00	9.09	0.00	0.00	0.00	52.12	15.00	80.18	0.50	0.30	2.27	171.74	0.00	1.00	2.14	0.00	80.18	11.02	83.32	0.25	17.33	43.45	1.15	12.08	0.54
967	9.67	1.64	40.45	3.00	6.63E-009	9.21E-006	8.00	13.63	0.00	0.00	0.00	55.46	15.00	98.18	0.62	0.30	2.78	176.66	0.00	1.00	2.55	0.00	98.18	8.87	82.08	0.25	17.43	42.38	1.12	12.24	0.53
968	9.68	2.27	39.73	4.00	3.09E-008	8.79E-005	10.00	27.90	0.00	0.00	0.00	60.30	15.00	140.18	0.88	0.30	3.98	183.66	0.00	1.00	3.70	0.00	140.18	5.67	75.27	0.39	17.54	41.31	1.09	12.41	0.52
969	9.69	2.48	39.70	4.00	4.73E-008	1.56E-004	11.00	32.38	0.00	0.00	0.00	61.52	15.00	154.17	0.97	0.30	4.42	185.32	0.00	1.00	4.08	0.00	154.17	4.97	73.25	0.33	17.57	40.97	1.09	12.46	0.52
970	9.70	2.65	40.17	4.00	6.35E-008	2.25E-004	11.00	34.75	0.00	0.00	0.00	62.73	15.00	165.47	1.04	0.30	4.78	186.94	0.00	1.00	4.33	0.00	165.47	4.53	72.08	0.30	17.61	40.58	1.08	12.53	0.52
971	9.71	2.71	40.67	4.00	6.89E-008	2.50E-004	11.00	35.56	0.00	0.00	0.00	63.35	15.00	169.32	1.06	0.30	4.90	187.74	0.00	1.00	4.37	0.00	169.32	4.41	71.99	0.30	17.63	40.35	1.07	12.56	0.52
972	9.72	2.83	40.83	4.00	8.39E-008	3.19E-004	12.00	37.23	0.00	0.00	0.00	64.08	15.00	177.31	1.11	0.30	5.15	188.70	0.00	1.00	4.56	0.00	177.31	4.14	71.02	0.28	17.65	40.14	1.06	12.60	0.52
973	9.73	3.03	39.19	4.00	1.24E-007	5.07E-004	12.00	40.03	0.00	0.00	0.00	64.09	15.00	190.63	1.19	0.30	5.59	188.83	0.00	1.00	5.11	0.00	190.63	3.64	67.78	0.21	17.63	40.35	1.07	12.56	0.52
974	9.74	3.58	36.51	5.00	3.06E-007	1.49E-003	13.00	47.73	25.00	31.44	54.88	64.84	0.00	0.00	0.00	0.30	0.00	190.02	-0.03	0.00	0.00	0.00	97.65	2.70	61.39	0.13	17.61	40.52	1.07	12.54	0.52
975	9.75	3.83	36.86	5.00	4.13E-007	2.16E-003	13.00	51.23	26.00	31.32	55.81	66.08	0.00	0.00	0.00	0.30	0.00	191.63	-0.03	0.00	0.00	0.00	97.22	2.46	60.27	0.12	17.65	40.16	1.06	12.59	0.52
976	9.76	4.02	38.43	5.00	4.82E-007	2.65E-003	14.00	53.88	27.00	31.35	57.09	67.84	0.00	0.00	0.00	0.30	0.00	193.80	-0.03	0.00	0.00	0.00	97.40	2.34	60.58	0.12	17.72	39.50	1.05	12.70	0.51
977	9.77	4.34	39.73	5.00	6.50E-007	3.87E-003	15.00	58.36	28.00	31.32	58.56	69.86	0.00	0.00	0.00	0.30	0.00	196.29	-0.03	0.00	0.00	0.00	97.32	2.13	60.28	0.12	17.79	38.84	1.03	12.81	0.51
978	9.78	4.49	39.10	5.00	7.80E-007	4.81E-003	15.00	60.45	29.00	31.22	58.70	70.00	0.00	0.00	0.00	0.30	0.00	196.52	-0.03	0.00	0.00	0.00	96.99	2.02	59.42	0.11	17.78	38.90	1.03	12.80	0.51
979	9.79	4.74	38.02	5.00	1.05E-006	6.85E-003	15.00	63.97	30.00	31.09	58.87	70.16	0.00	0.00	0.00	0.30	0.00	196.81	-0.02	0.00	0.00	0.00	96.53	1.86	58.28	0.10	17.77	39.01	1.03	12.78	0.51
980	9.80	4.84	36.32	5.00	1.24E-006	8.29E-003	15.00	65.39	30.00	30.96	58.35	69.37	0.00	0.00	0.00	0.30	0.00	195.94	-0.02	0.00	0.00	0.00	96.08	1.78	57.19	0.09	17.72	39.44	1.05	12.71	0.51
981	9.81	4.99	33.86	5.00	1.60E-006	1.10E-002	16.00	67.48	31.00	30.79	57.56	68.17	0.00	0.00	0.00	0.30	0.00	194.61	-0.02	0.00	0.00	0.00	95.51	1.67	55.85	0.08	17.66	40.12	1.06	12.60	0.52
982	9.82	5.05	33.07	5.00	1.75E-006	1.22E-002	16.00	68.32	31.00	30.75	57.34	67.81	0.00	0.00	0.00	0.30	0.00	194.23	-0.02	0.00	0.00	0.00	95.39	1.64	55.49	0.08	17.63	40.34	1.07	12.56	0.52
983	9.83	5.10	32.22	5.00	1.90E-006	1.39E-002	16.00	71.50	31.00	30.70	57.05	67.37	0.00	0.00	0.00	0.30	0.00	193.74	-0.01	0.00	0.00	0.00	95.26	1.61	55.12	0.08	17.61	40.60	1.08	12.52	0.52
984	9.84	5.22	30.77	5.00	2.26E-006	1.64E-002	16.00	70.96	32.00	30.64	56.62	66.69	0.00	0.00	0.00	0.30	0.00	193.00	-0.01	0.00	0.00	0.00	95.09	1.55	54.66	0.07	17.56	41.05	1.09	12.45	0.52
985	9.85	5.26	30.36	5.00	2.39E-006	1.72E-002	16.00	70.83	32.00	30.63	56.51	66.52	0.00	0.00	0.00	0.30	0.00	192.83	-0.01	0.00	0.00	0.00	95.09	1.54	54.57	0.07	17.55	41.17	1.09	12.43	0.52
986	9.86	5.31	29.98	5.00	2.54E-006	1.83E-002	16.00	70.74	32.00	30.63	56.44	66.40	0.00	0.00	0.00	0.30	0.00	192.71	-0.01	0.00	0.00	0.00	95.12	1.52	54.53	0.07	17.54	41.29	1.09	12.41	0.52
987	9.87	5.43	29.35	5.00	2.89E-006	2.09E-002	16.00	70.69	32.00	30.64	56.40	66.29	0.00	0.00	0.00	0.30	0.00	192.64	-0.01	0.00	0.00	0.00	95.22	1.48	54.65	0.07	17.52	41.45	1.10	12.39	0.52
988	9.88	5.51	29.10	5.00	3.13E-006	2.26E-002	16.00	70.76	33.00	30.67	56.46	66.34	0.00	0.00	0.00	0.30	0.00	192.73	-0.01	0.00	0.00	0.00	95.35	1.46	54.84	0.08	17.52	41.49	1.10	12.38	0.52
989	9.89	5.65	28.47	5.00	3.61E-006	2.61E-002	16.00	70.75	33.00	30.71	56.45	66.27	0.00	0.00	0.00	0.30	0.00	192.71	-0.01	0.00	0.00	0.00	95.56	1.43	55.18	0.08	17.50	41.65	1.10	12.36	0.52
990	9.90	5.70	27.90	5.00	3.87E-006	2.78E-002	16.00	70.52	33.00	30.71	56.27	65.98	0.00	0.00	0.00	0.30	0.00	192.41	-0.01	0.00	0.00	0.00	95.62	1.42	55.20	0.08	17.48	41.86	1.11	12.33	0.53

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
991	9.91	5.68	26.39	5.00	4.11E-006	2.91E-002	16.00	69.48	33.00	30.63	55.43	64.76	0.00	0.00	0.00	0.30	0.00	190.98	-0.01	0.00	0.00	0.00	95.37	1.40	54.58	0.07	17.42	42.54	1.13	12.22	0.53
992	9.92	5.68	26.39	5.00	4.11E-006	2.91E-002	16.00	69.49	33.00	30.63	55.44	64.77	0.00	0.00	0.00	0.30	0.00	190.99	-0.01	0.00	0.00	0.00	95.41	1.40	54.57	0.07	17.42	42.54	1.13	12.22	0.53
993	9.93	5.68	26.39	5.00	4.10E-006	2.91E-002	16.00	69.50	33.00	30.63	55.45	64.78	0.00	0.00	0.00	0.30	0.00	191.01	-0.01	0.00	0.00	0.00	95.45	1.40	54.55	0.07	17.42	42.54	1.13	12.22	0.53
994	9.94	5.21	16.52	6.00	5.12E-006	3.19E-002	15.00	61.07	32.00	30.00	48.73	55.06	0.00	0.00	0.00	0.30	0.00	179.05	0.00	0.00	0.00	0.00	93.10	1.36	48.75	0.05	16.85	49.07	1.30	11.30	0.57
995	9.95	5.16	17.50	6.00	4.58E-006	2.88E-002	15.00	61.70	32.00	30.00	49.23	55.83	0.00	0.00	0.00	0.30	0.00	179.98	0.00	0.00	0.00	0.00	93.14	1.38	48.79	0.05	16.91	48.30	1.28	11.40	0.56
996	9.96	5.12	19.42	5.00	3.88E-006	2.50E-002	15.00	63.06	32.00	30.00	50.31	57.45	0.00	0.00	0.00	0.30	0.00	181.94	0.00	0.00	0.00	0.00	93.19	1.42	49.27	0.05	17.03	46.91	1.24	11.59	0.55
997	9.97	5.13	20.46	5.00	3.66E-006	2.38E-002	15.00	63.87	32.00	30.00	50.96	58.40	0.00	0.00	0.00	0.30	0.00	183.11	0.00	0.00	0.00	0.00	93.23	1.43	49.71	0.05	17.09	46.20	1.22	11.69	0.55
998	9.98	5.28	21.85	5.00	3.81E-006	2.54E-002	15.00	65.31	32.00	30.16	52.11	60.02	0.00	0.00	0.00	0.30	0.00	185.17	0.00	0.00	0.00	0.00	93.87	1.42	50.94	0.06	17.17	45.21	1.20	11.83	0.55
999	9.99	5.38	22.32	5.00	4.02E-006	2.70E-002	15.00	65.94	32.00	30.25	52.61	60.71	0.00	0.00	0.00	0.30	0.00	186.05	-0.01	0.00	0.00	0.00	94.24	1.41	51.59	0.06	17.21	44.86	1.19	11.88	0.54
1000	10.00	5.50	22.83	6.00	4.30E-006	2.92E-002	16.00	66.64	33.00	30.35	53.17	61.48	0.00	0.00	0.00	0.30	0.00	187.04	-0.01	0.00	0.00	0.00	94.67	1.40	52.36	0.06	17.24	44.48	1.18	11.93	0.54

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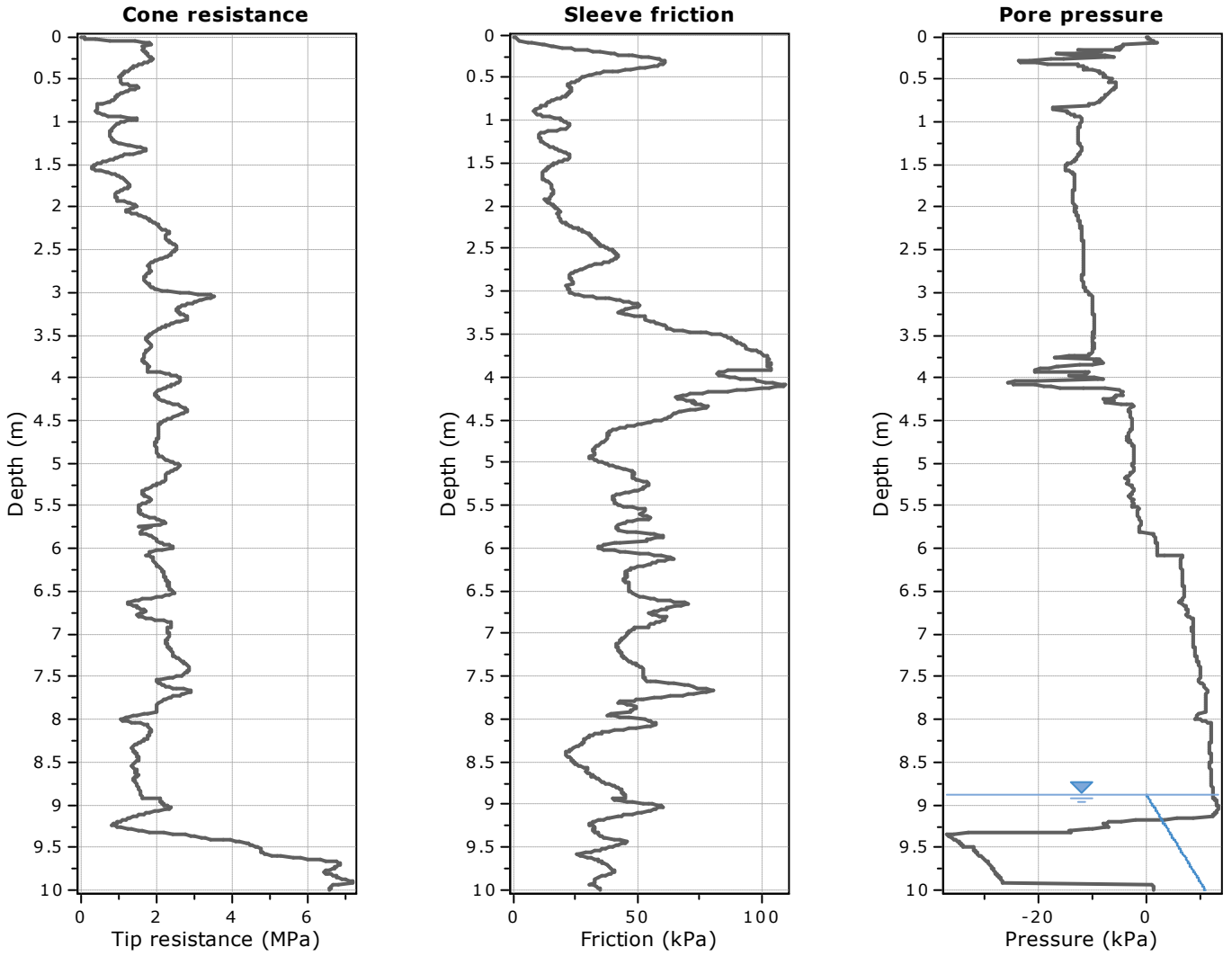
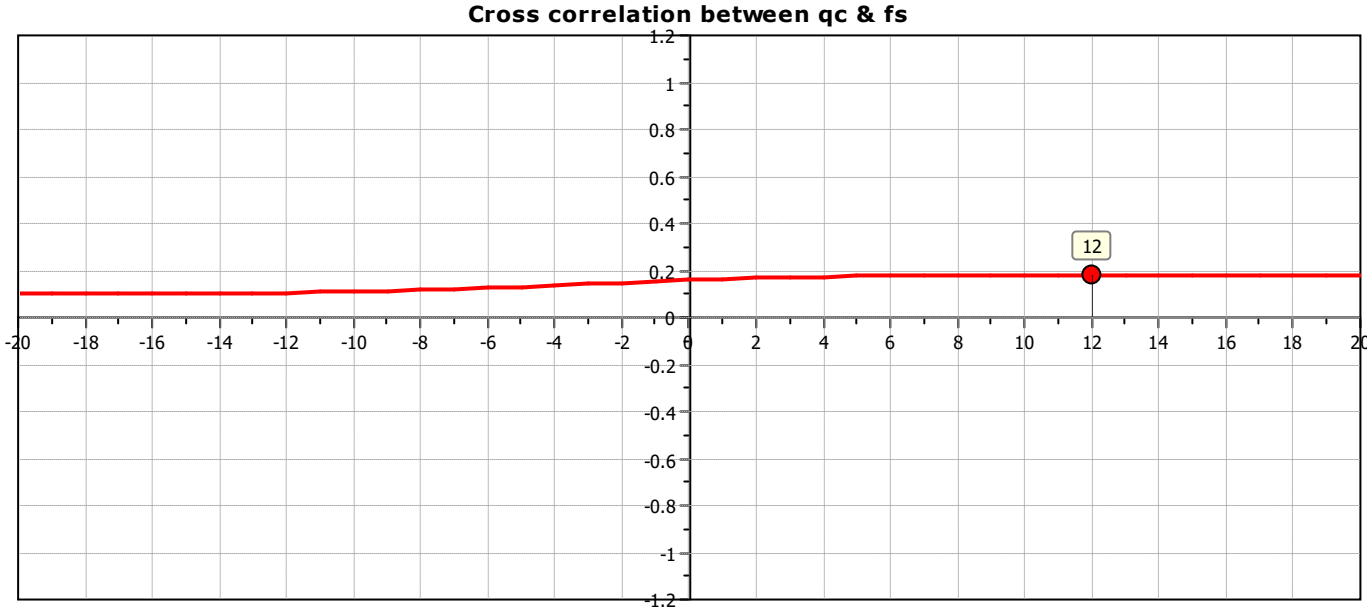
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-5
Total depth: 10.00 m, Date: 27/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.672782° lon 10.638323°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti



The plot below presents the cross correlation coeficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two sucessive CPT measurements).



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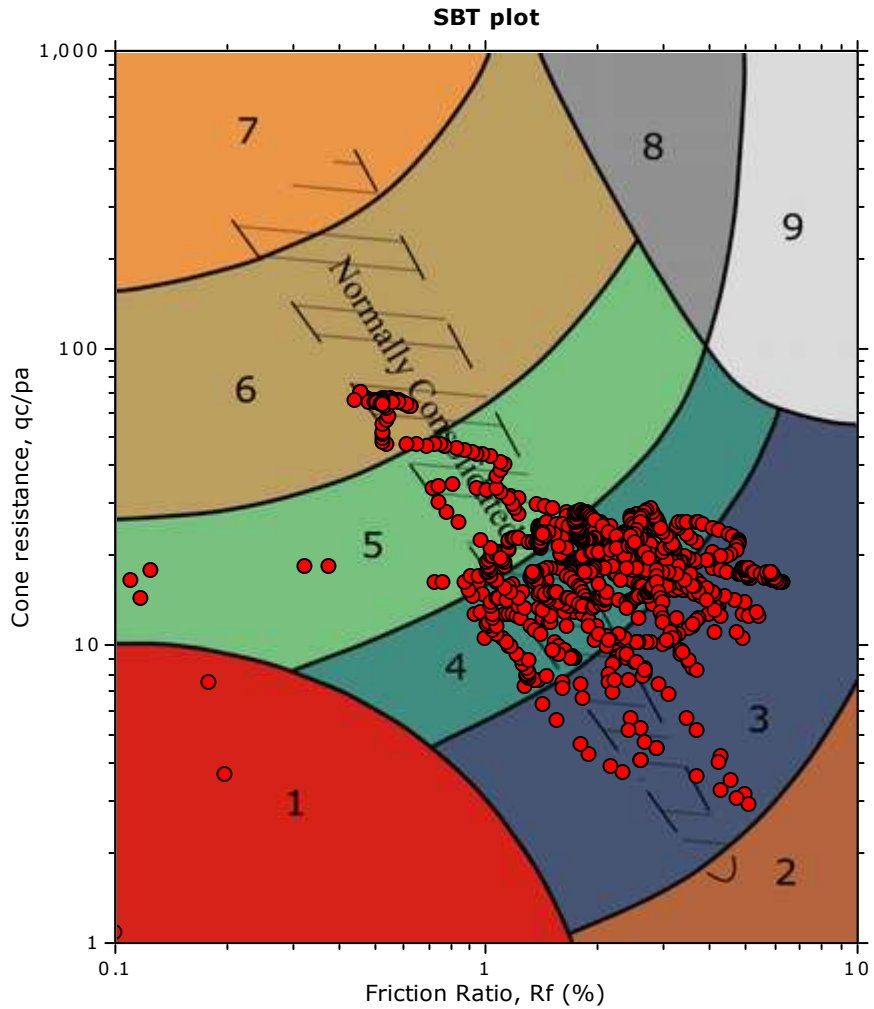
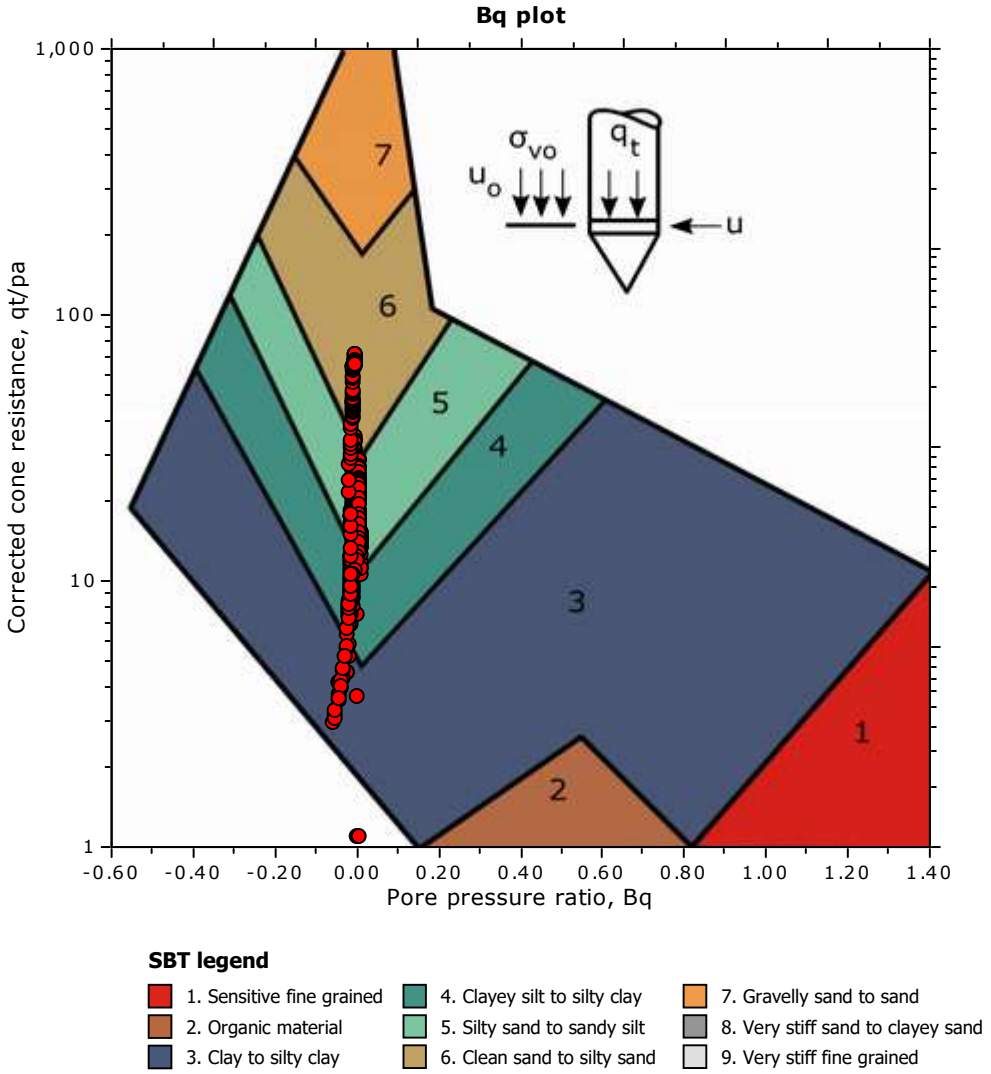
SBT - Bq plots





SBT legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

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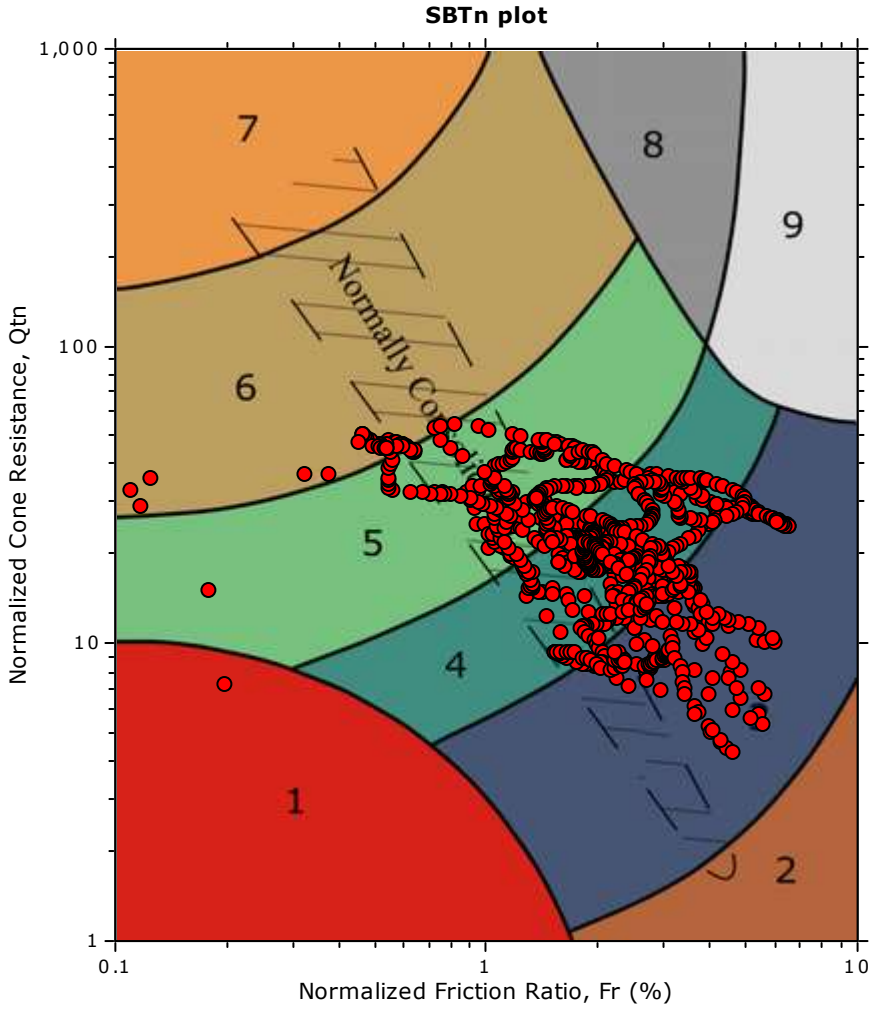
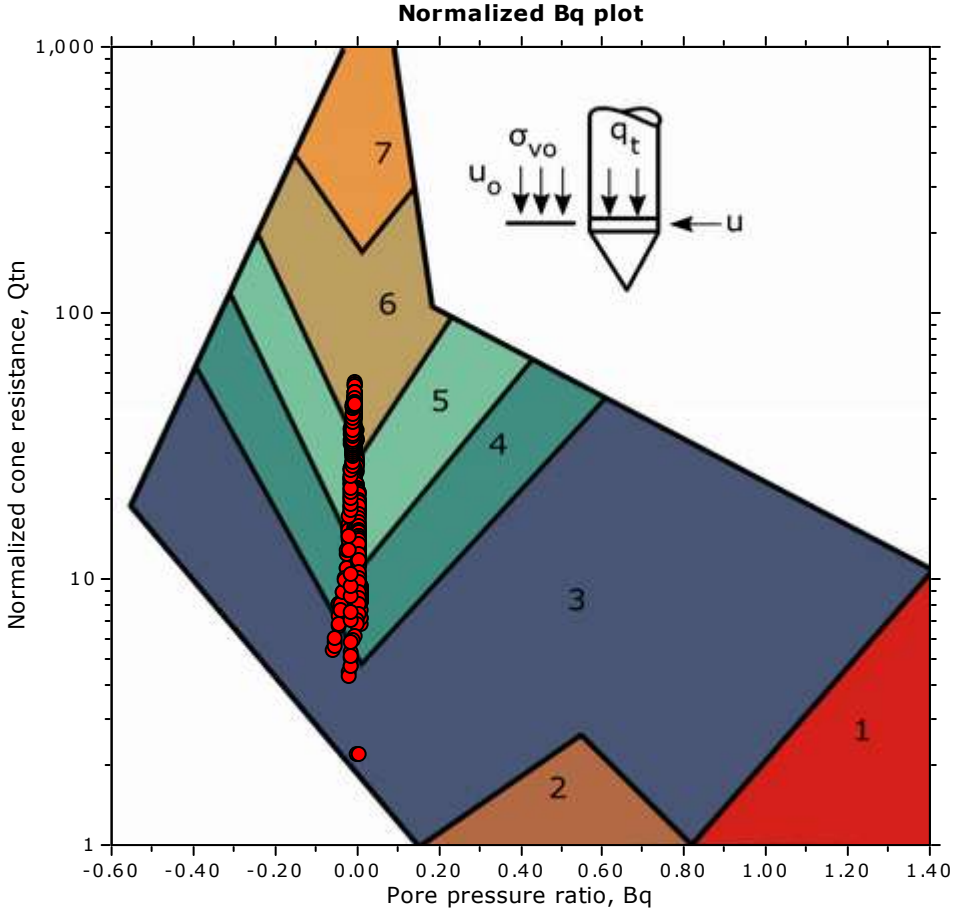
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti

SBT - Bq plots (normalized)





SBTn legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

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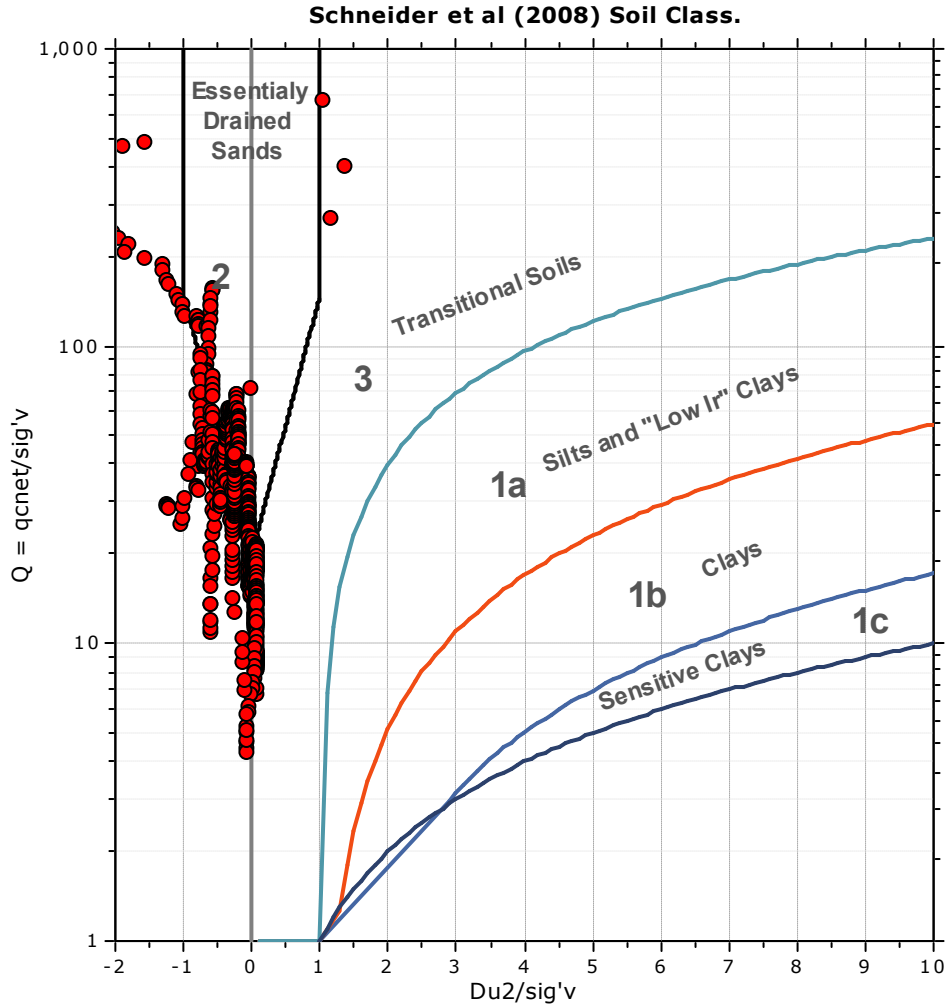
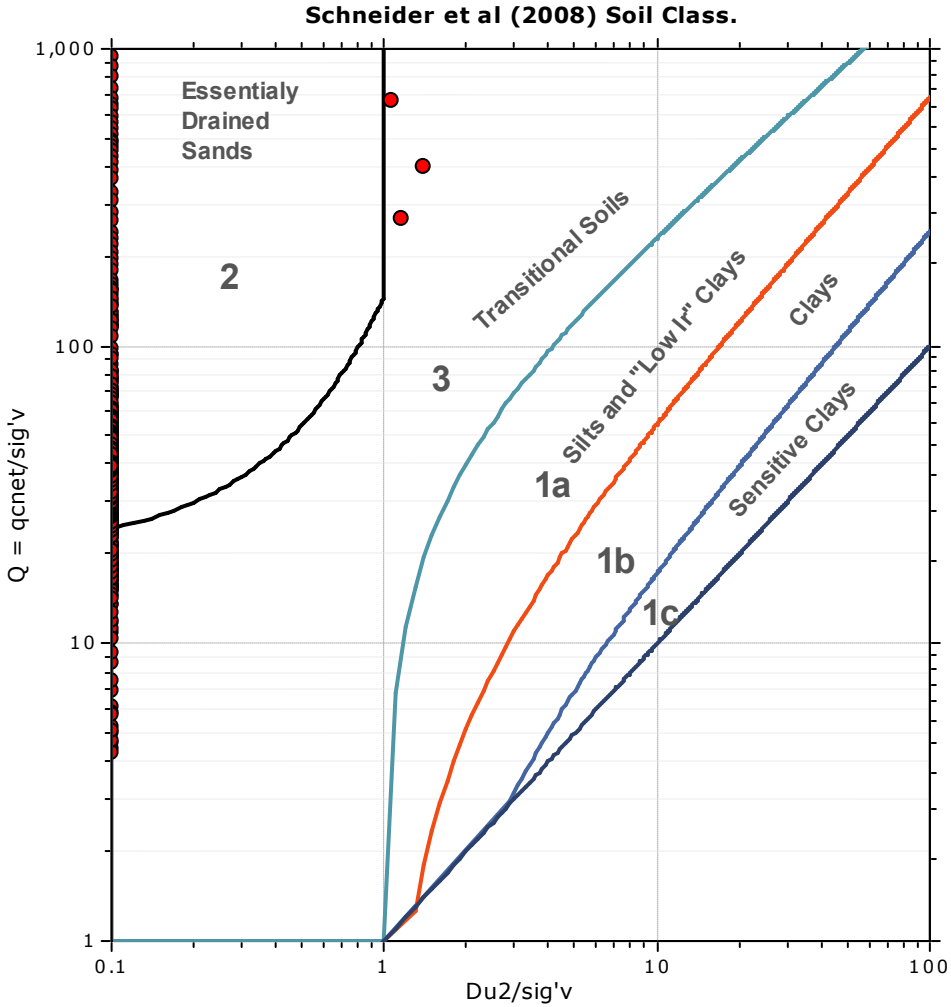
Surface Elevation: 13.00 m
Coords: lat 43.672782° lon 10.638323°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti

Bq plots (Schneider)





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Project: **CPTU - Argine Arno**
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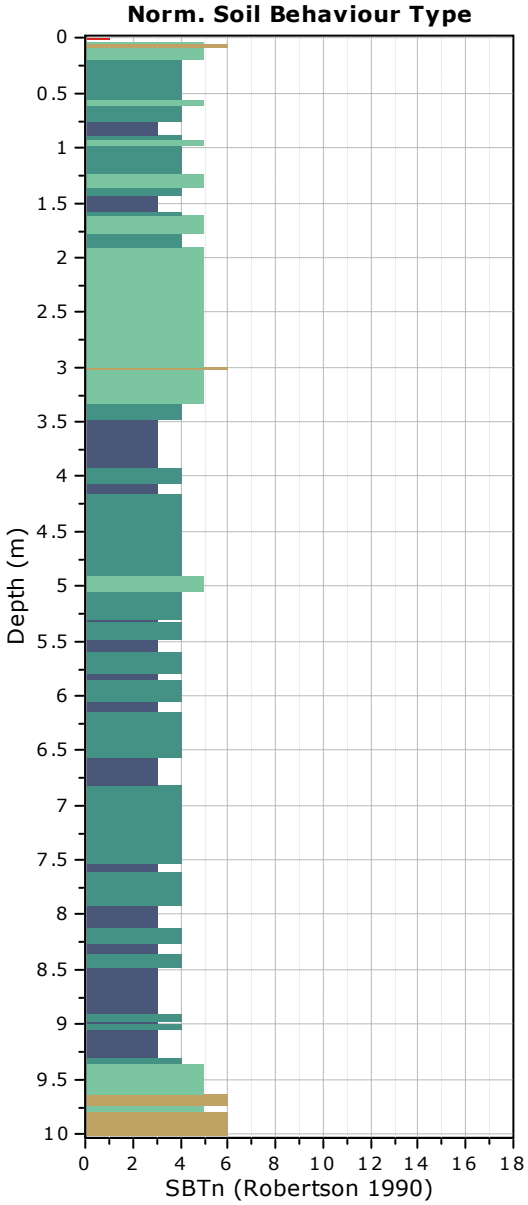

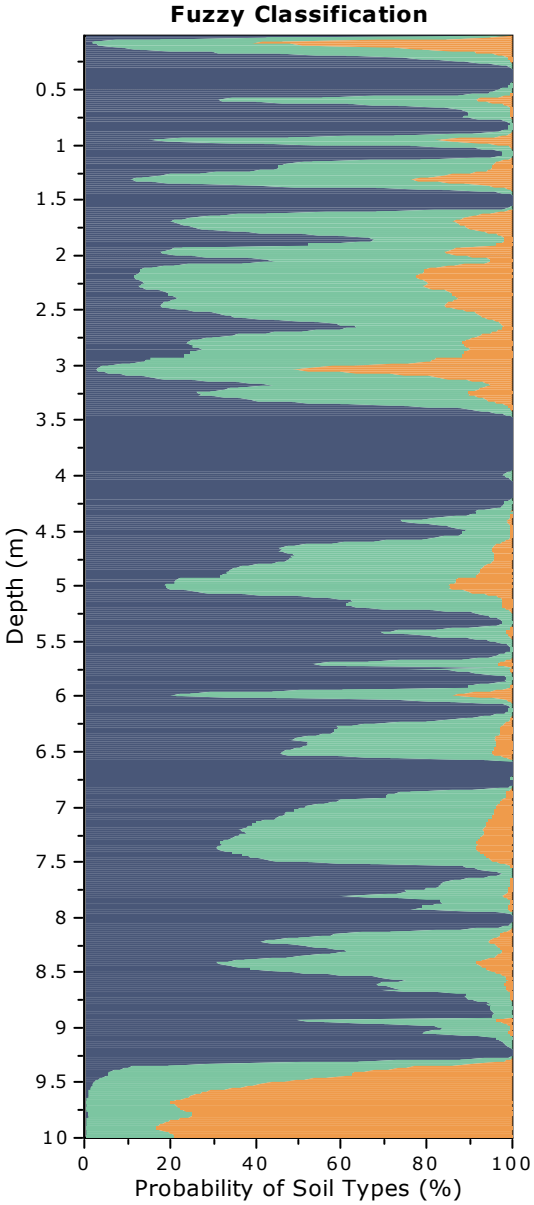

Fuzzy classifiaction legend
- Highly probable clayey soil
- Highly probable mixture soil
- Highly probable sandy soil

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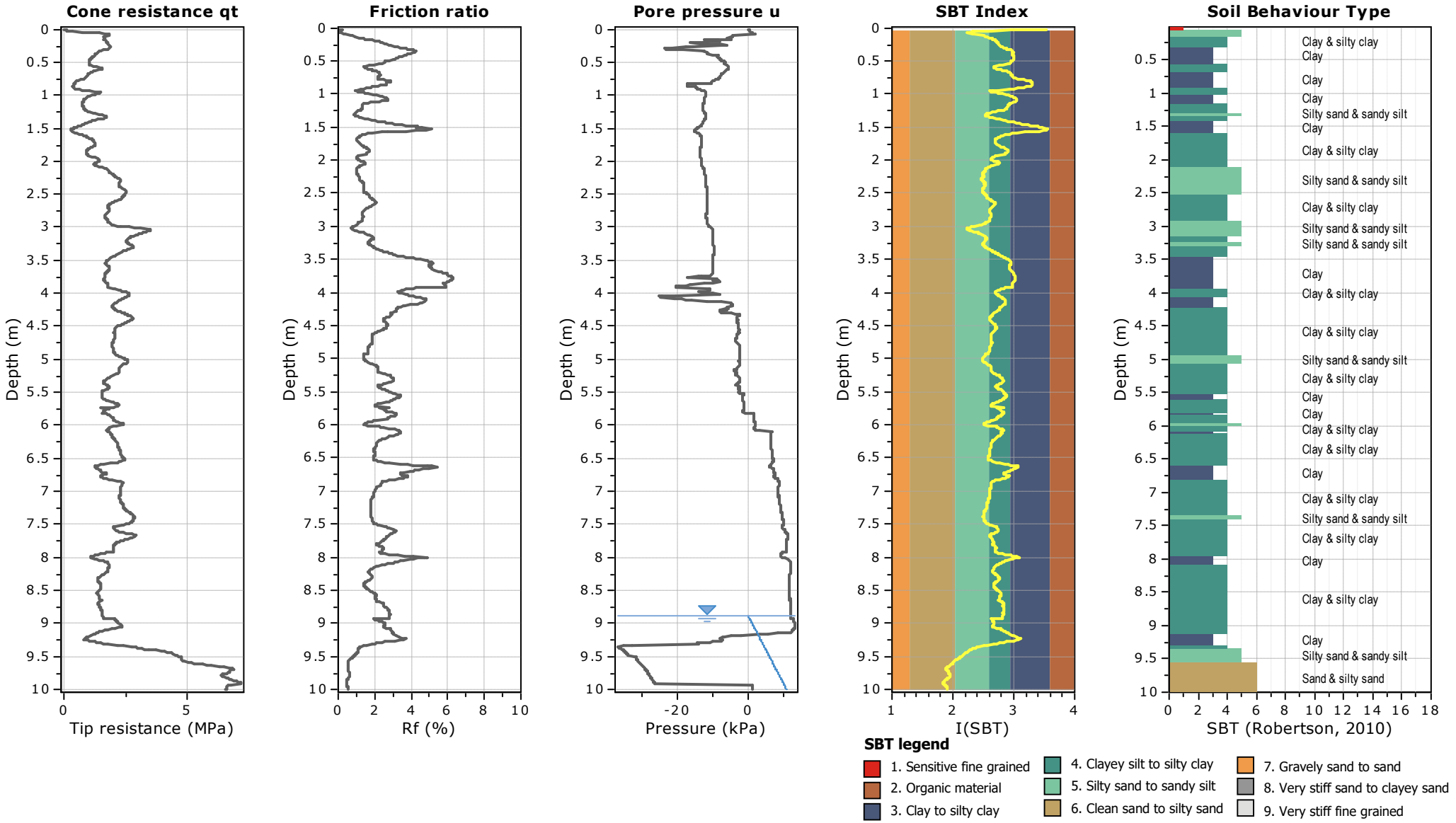

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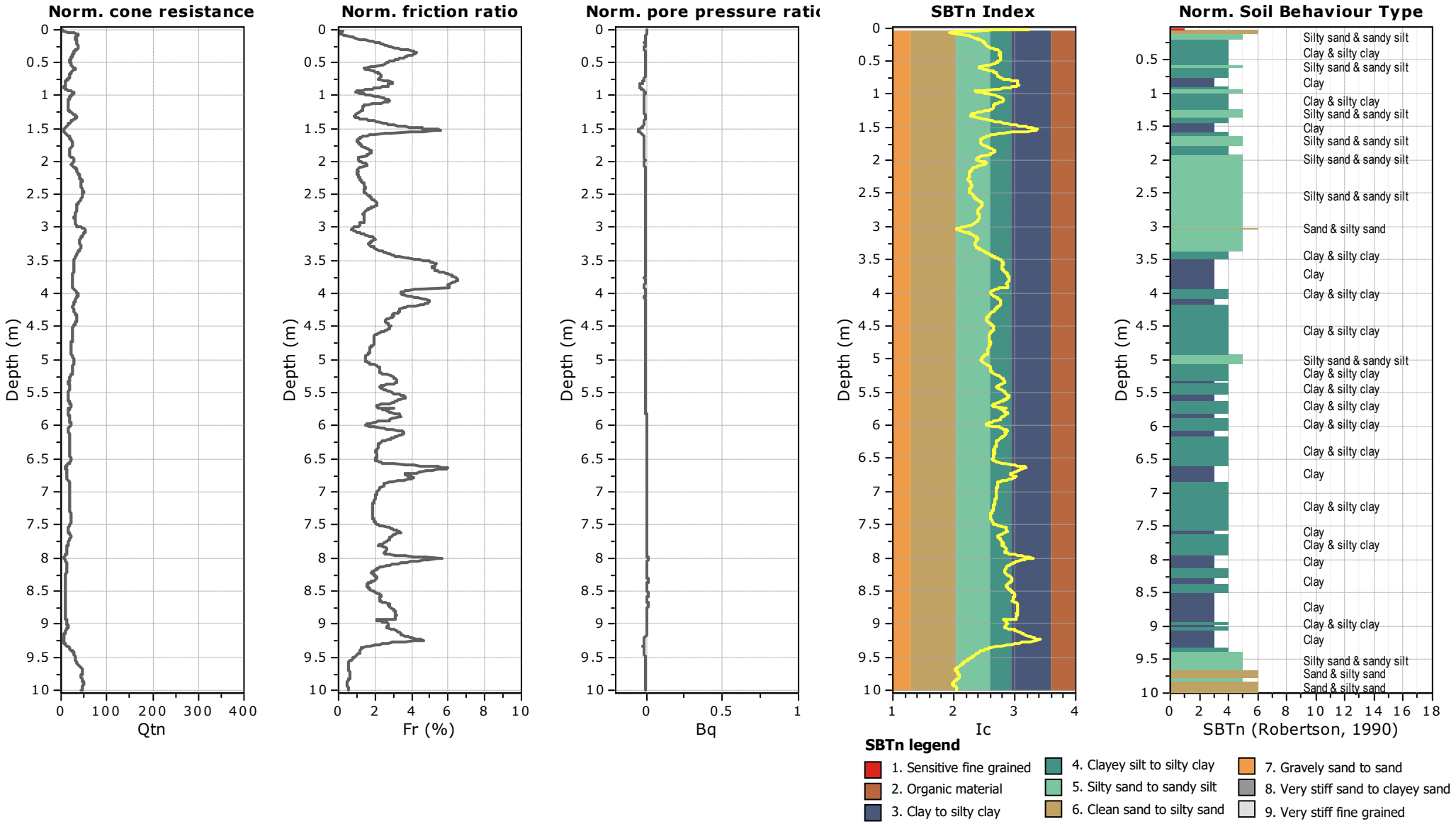

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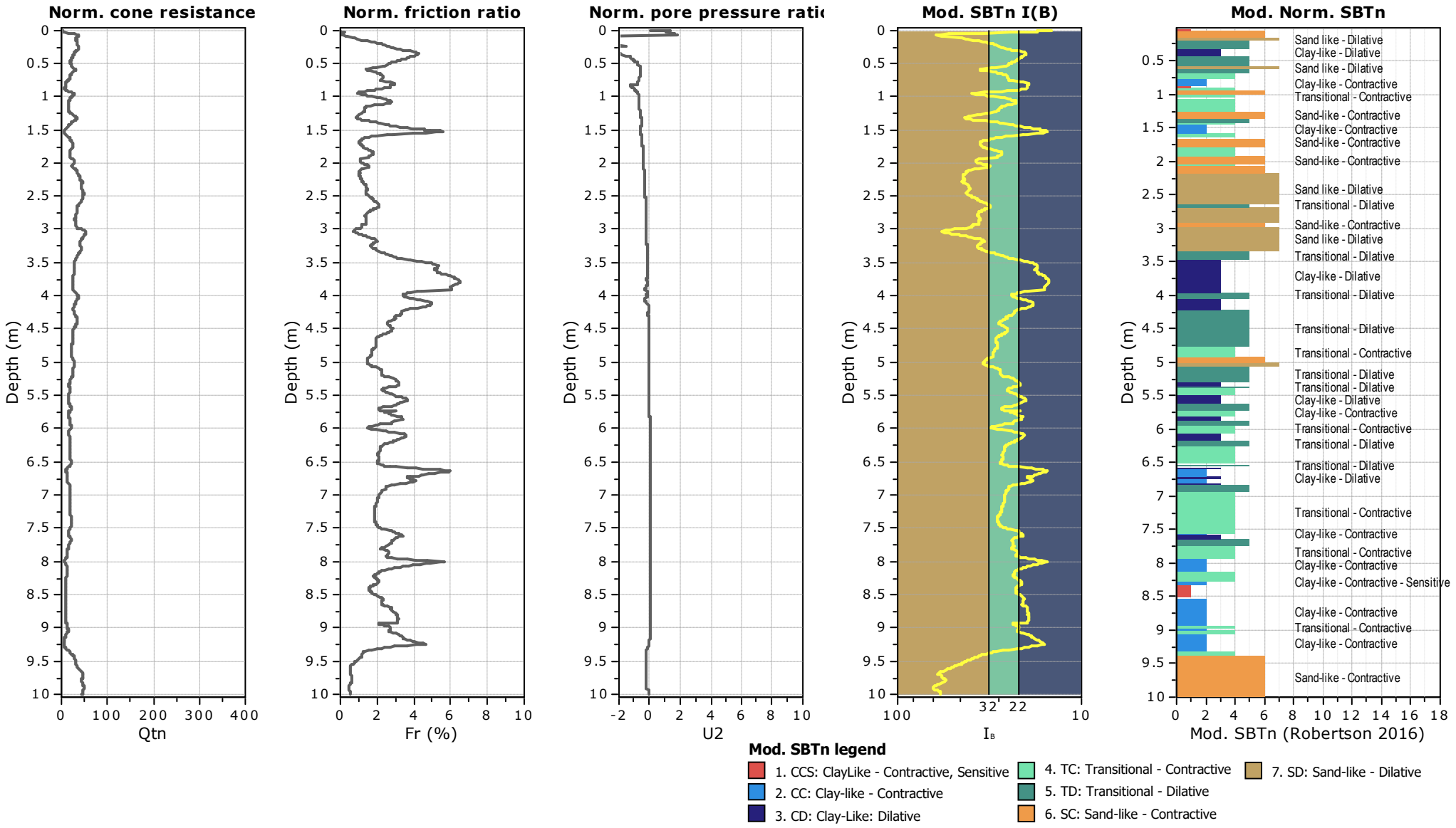

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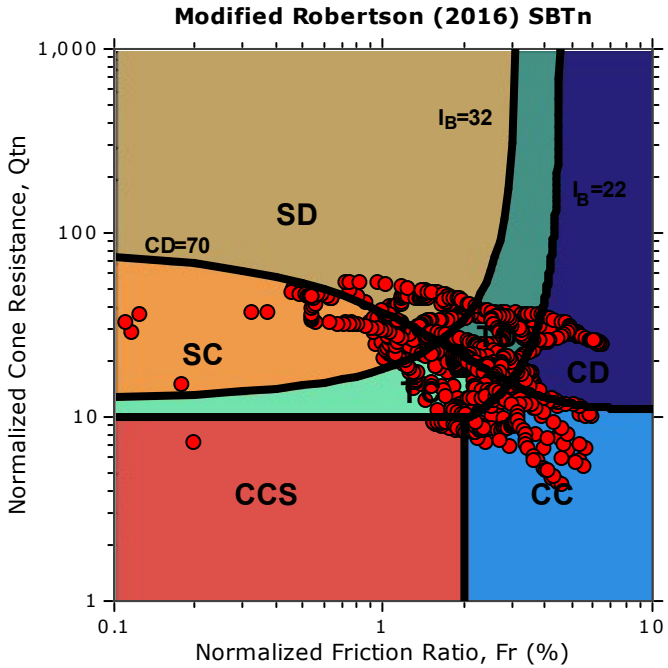
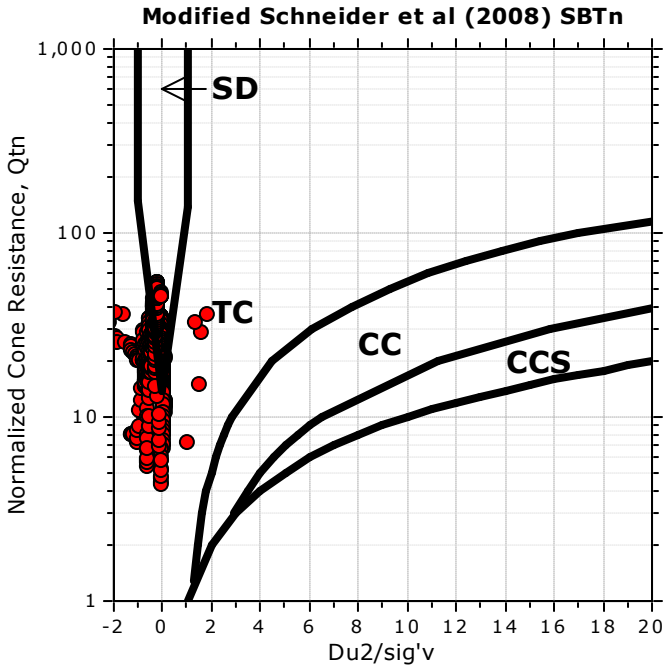
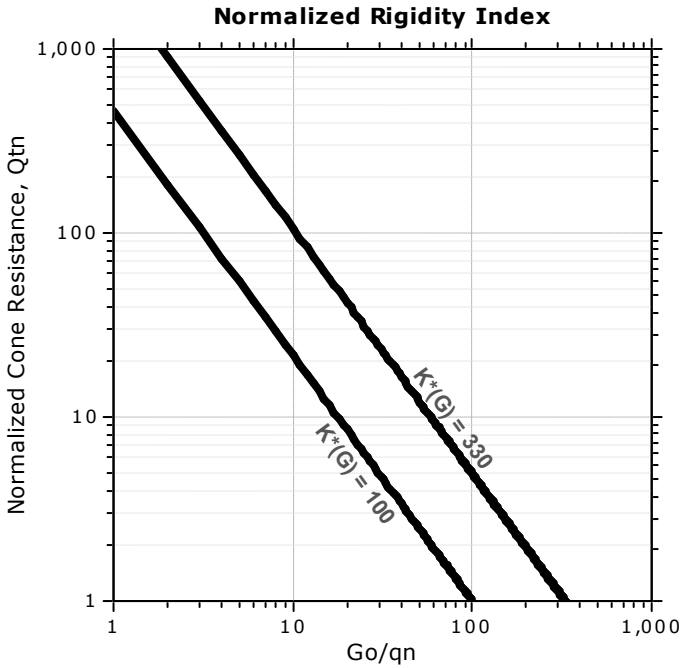
Updated SBTn plots







CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

K(G) > 330: Soils with significant microstructure (e.g. age/cementation)

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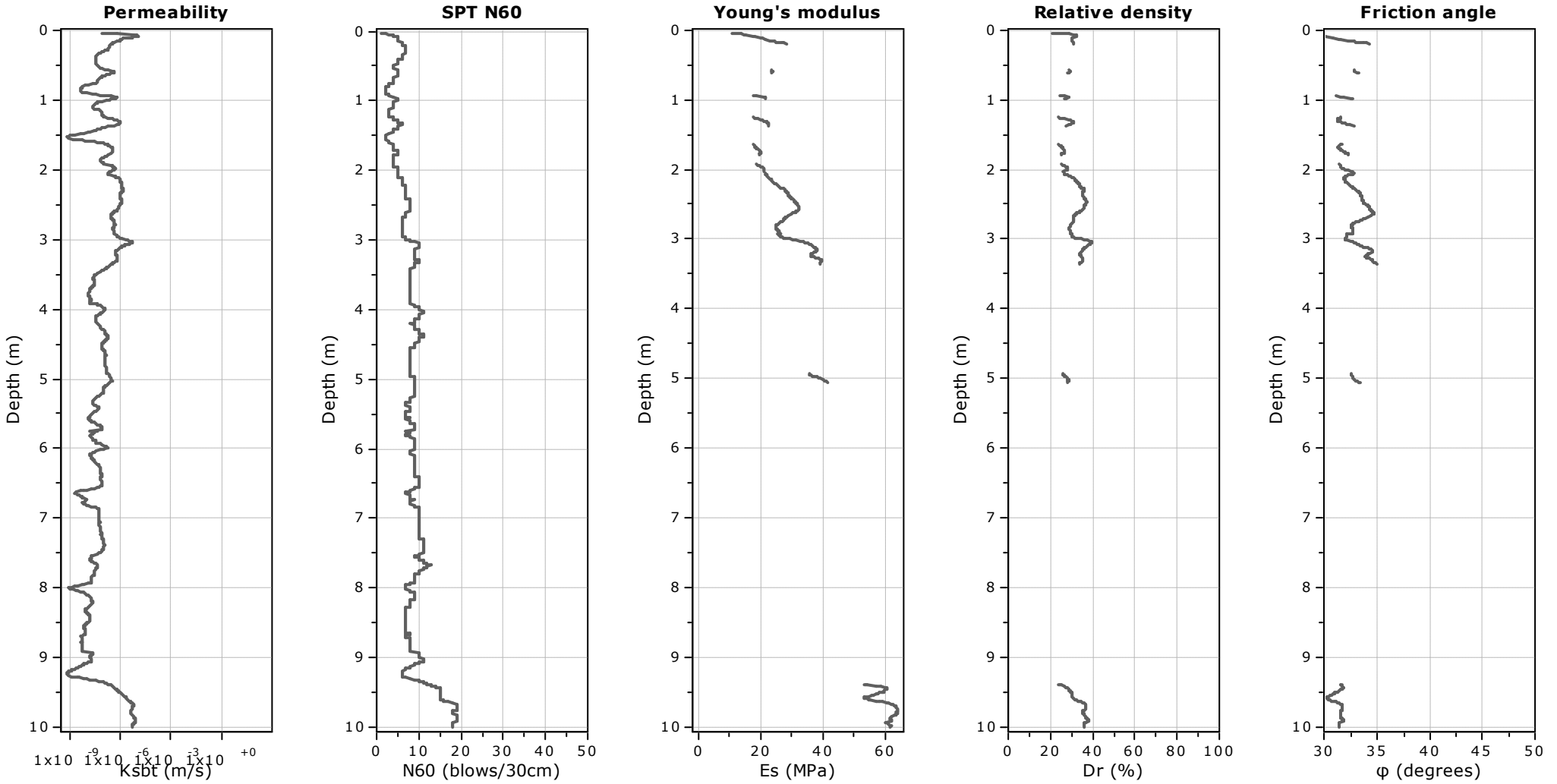
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti



Calculation parameters

Permeability: Based on SBT_n
SPT N_{60}: Based on I_c and q_t
Young's modulus: Based on variable alpha using I_c (Robertson, 2009)
Relative density constant, C_{Dr}: 350.0
Phi: Based on Kulhawy & Mayne (1990)

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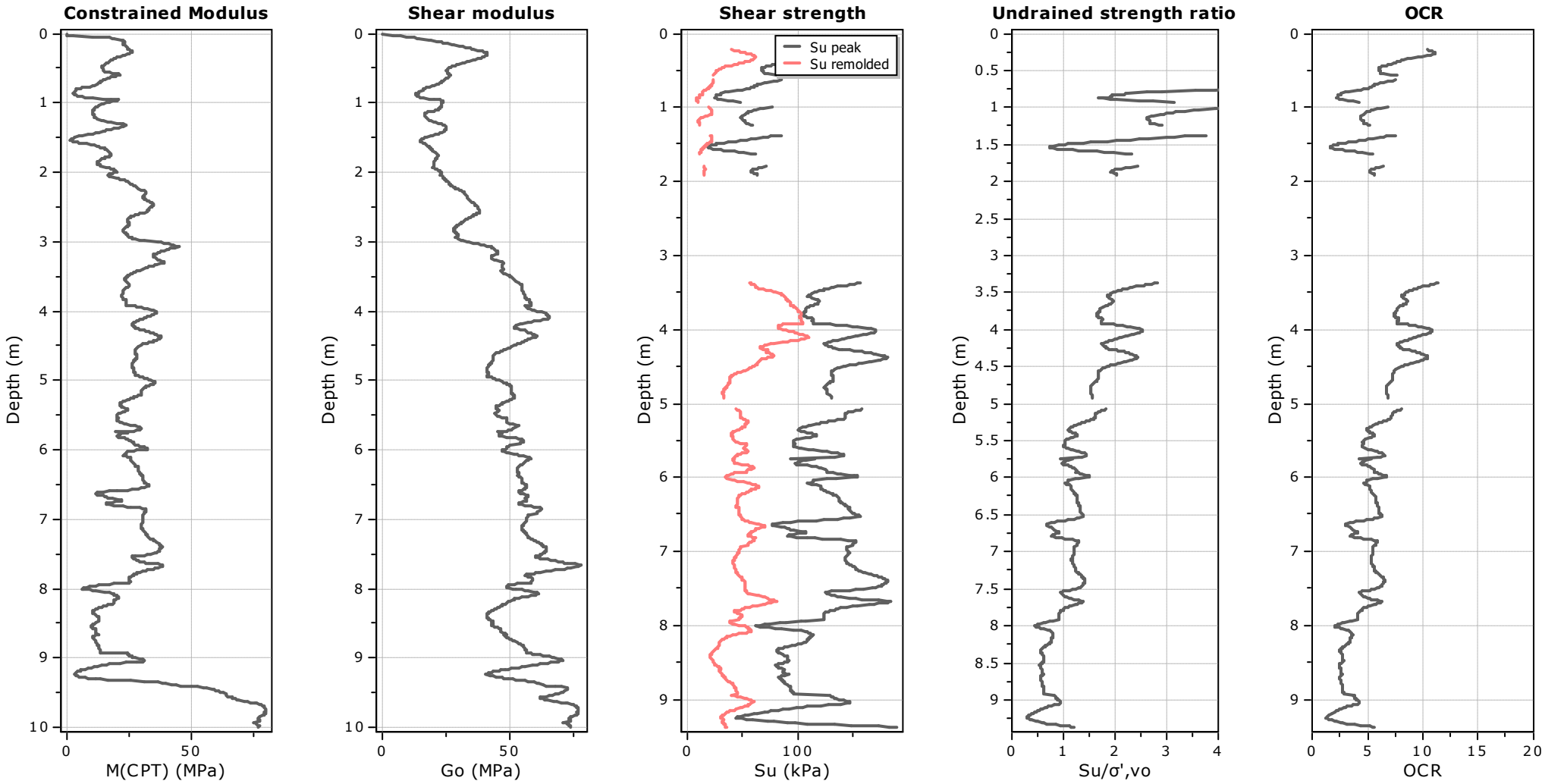
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-5
Total depth: 10.00 m, Date: 27/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.672782° lon 10.638323°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti



Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_{tn} (Robertson, 2009)
Go: Based on variable *alpha* using I_c (Robertson, 2009)
Undrained shear strength cone factor for clays, N_{kt}: 15
OCR factor for clays, N_{kt}: 0.30
Flat Dilatometer Test data

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Project: **CPTU - Argine Arno**
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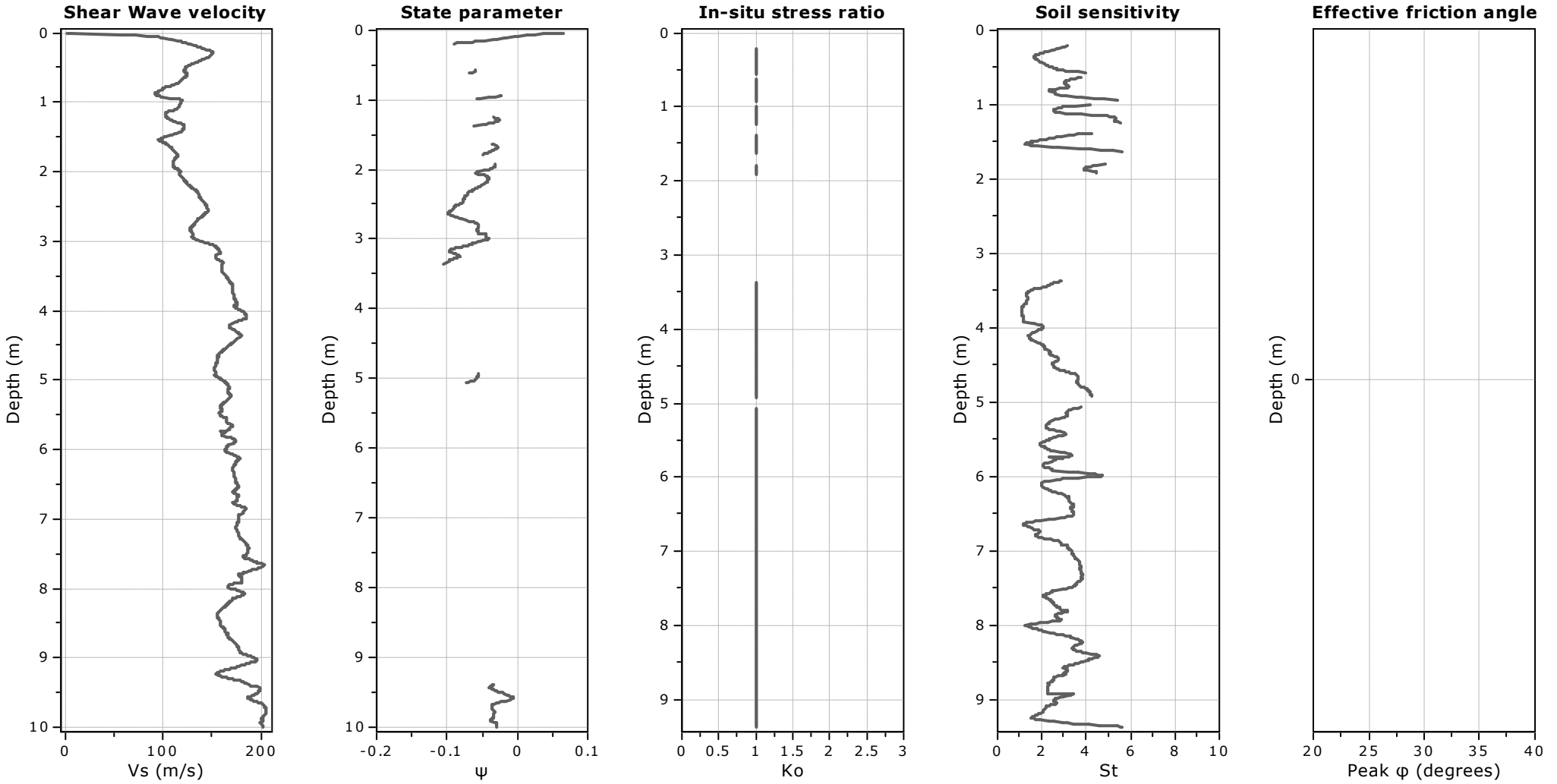

Calculation parameters

Soil Sensitivity factor, N_S: 7.00

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Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

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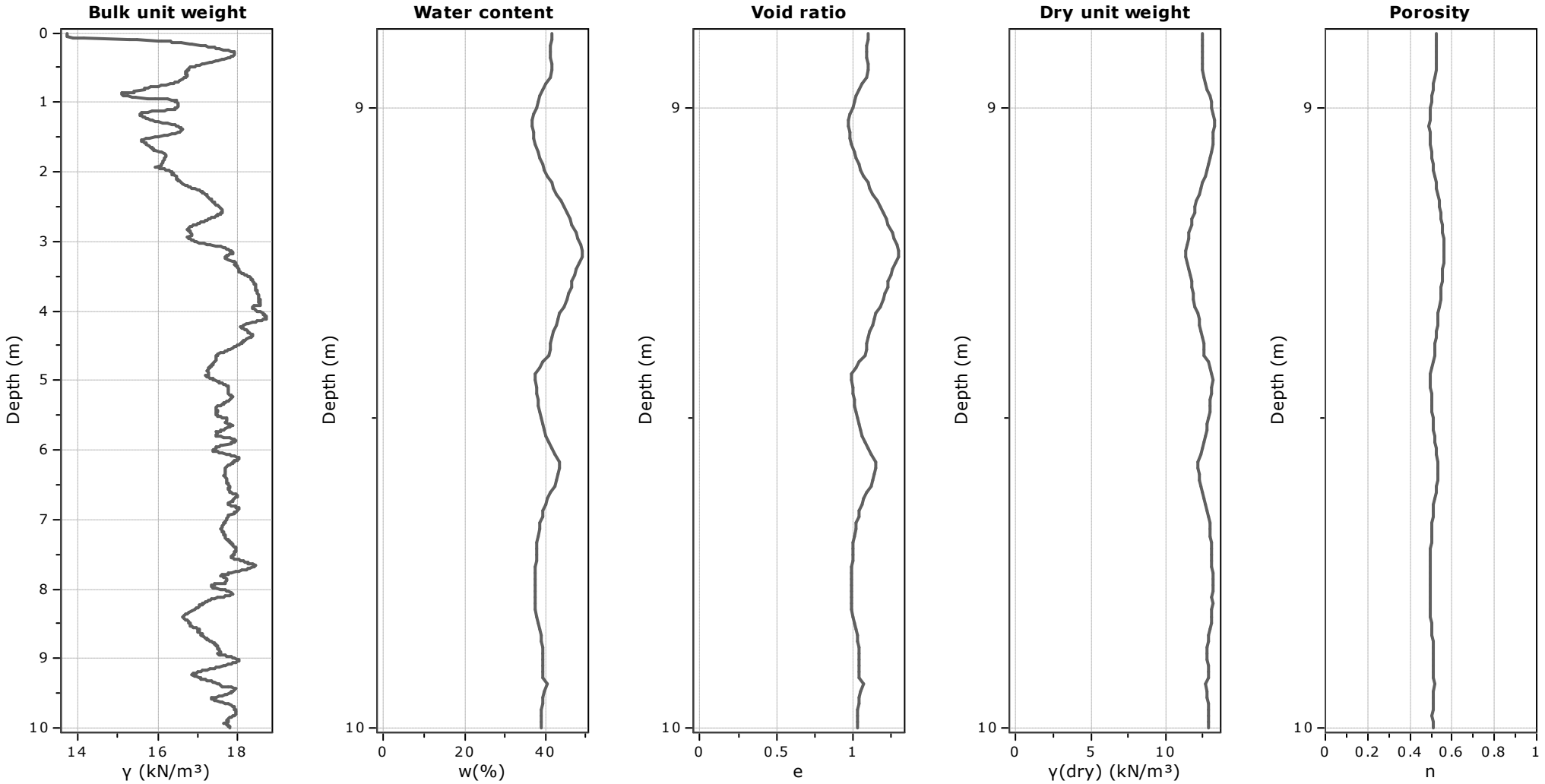

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Project: **CPTU - Argine Arno**
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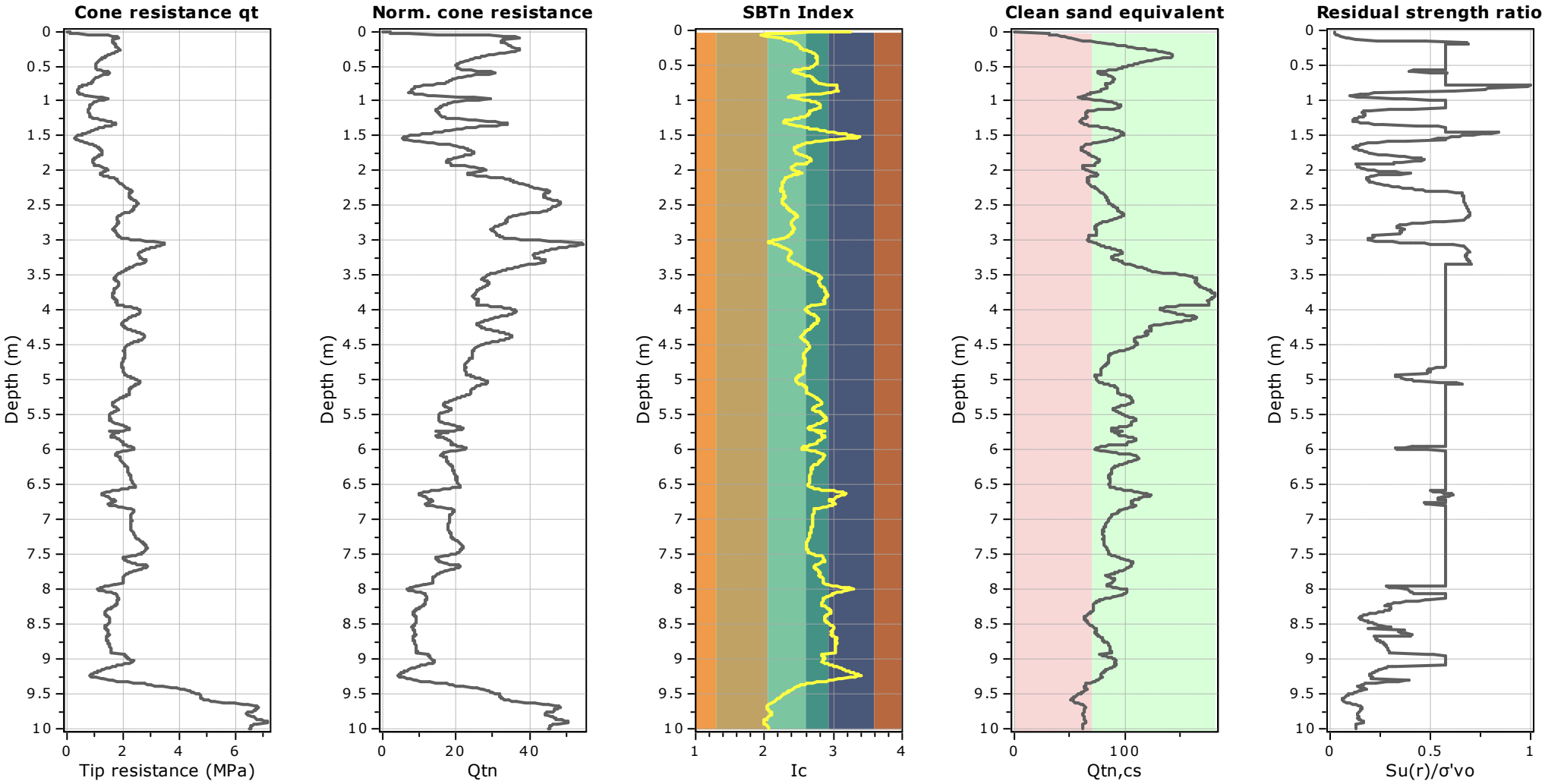

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55054 - Massarosa
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Project: **CPTU - Argine Arno**
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CPT: CPTU-5
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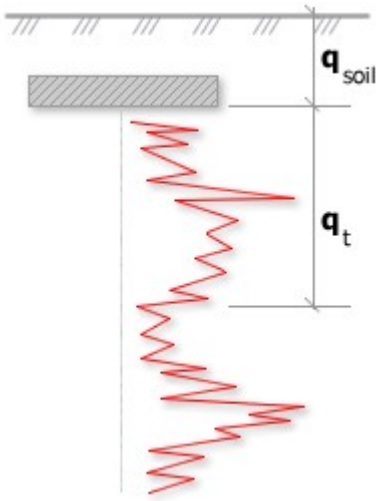
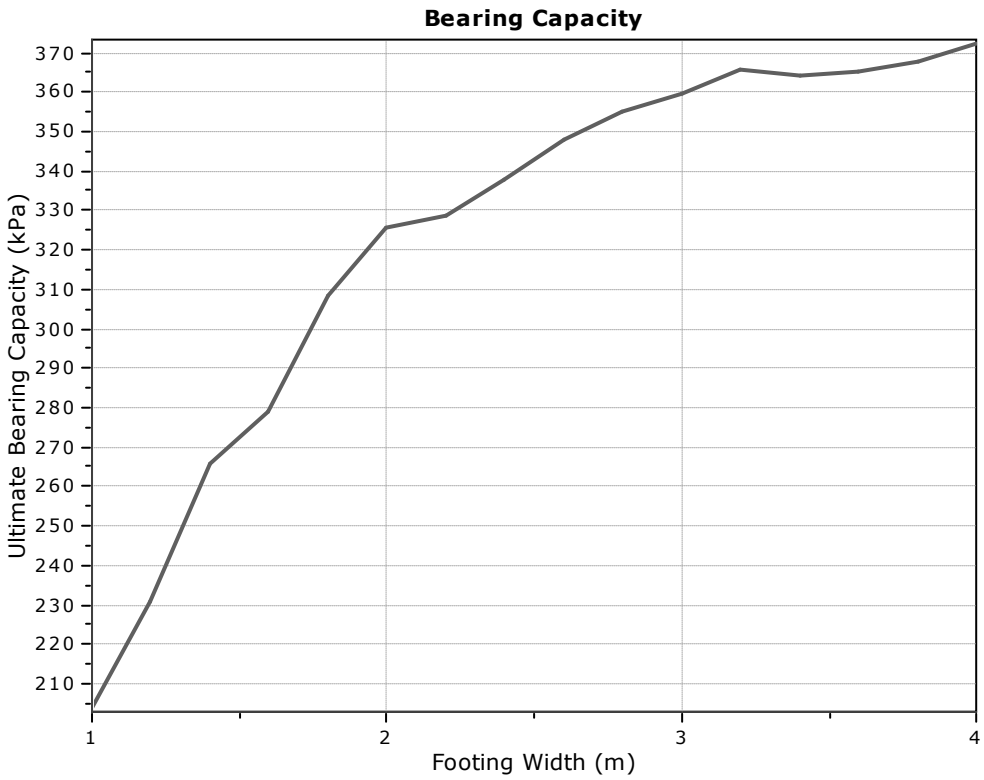


Bearing Capacity calculation is perfromed based on the formula:

$$Q_{ult} = R_k \times q_t + q_{soil}$$

where:
R_k: Bearing capacity factor
q_t: Average corrected cone resistance over calculation depth
q_{soil}: Pressure applied by soil above footing



:: Tabular results ::

No	B (m)	Start Depth (m)	End Depth (m)	Ave. q_t (MPa)	R_k	Soil Press. (kPa)	Ult. bearing cap. (kPa)
1	1.00	0.50	2.00	0.97	0.20	9.50	203.88
2	1.20	0.50	2.30	1.11	0.20	9.50	230.81
3	1.40	0.50	2.60	1.28	0.20	9.50	265.57
4	1.60	0.50	2.90	1.35	0.20	9.50	278.99
5	1.80	0.50	3.20	1.49	0.20	9.50	308.13
6	2.00	0.50	3.50	1.58	0.20	9.50	325.72
7	2.20	0.50	3.80	1.59	0.20	9.50	328.48
8	2.40	0.50	4.10	1.64	0.20	9.50	337.86
9	2.60	0.50	4.40	1.69	0.20	9.50	347.99
10	2.80	0.50	4.70	1.73	0.20	9.50	355.12
11	3.00	0.50	5.00	1.75	0.20	9.50	359.77
12	3.20	0.50	5.30	1.78	0.20	9.50	365.86
13	3.40	0.50	5.60	1.77	0.20	9.50	364.24
14	3.60	0.50	5.90	1.78	0.20	9.50	365.34
15	3.80	0.50	6.20	1.79	0.20	9.50	367.81
16	4.00	0.50	6.50	1.81	0.20	9.50	372.29

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
1	0.01	0.01	0.00	0.00	0.00	0.01	0.00	1.00	0.00	13.73	0.14	0.00	0.14	71.81	0.00	0.00	1.00	1.00	2.00	0.00	0.19	0.00	14.56	0.00
2	0.02	0.11	0.00	0.38	0.00	0.11	0.00	1.00	0.00	13.73	0.27	0.00	0.27	399.76	0.00	0.00	0.00	1.00	2.00	0.00	2.17	1.38	17.38	0.00
3	0.03	0.11	0.01	0.48	0.00	0.11	0.01	1.00	3.53	13.73	0.41	0.00	0.41	266.22	0.01	0.00	0.00	1.00	2.00	3.24	2.17	1.16	17.37	0.00
4	0.04	0.37	0.73	0.58	0.20	0.37	0.20	1.00	2.95	13.73	0.55	0.00	0.55	672.73	0.20	0.00	1.00	0.86	2.00	2.66	7.29	1.06	24.21	1.00
5	0.05	0.76	1.36	1.05	0.18	0.76	0.18	1.00	2.64	13.73	0.69	0.00	0.69	1106.06	0.18	0.00	5.00	0.74	2.00	2.34	14.99	1.53	34.38	6.00
6	0.06	1.45	1.70	1.34	0.12	1.45	0.12	5.00	2.33	13.74	0.82	0.00	0.82	1758.82	0.12	0.00	6.00	0.63	2.00	2.03	28.61	1.63	52.63	6.00
7	0.07	1.66	1.83	1.34	0.11	1.66	0.11	5.00	2.27	13.88	0.96	0.00	0.96	1723.28	0.11	0.00	6.00	0.60	2.00	1.97	32.75	1.39	58.08	6.00
8	0.08	1.82	2.27	2.01	0.13	1.82	0.12	5.00	2.24	14.16	1.10	0.00	1.10	1647.20	0.12	0.00	6.00	0.59	2.00	1.94	35.91	1.82	61.64	6.00
9	0.09	1.87	6.09	-4.31	0.33	1.87	0.33	5.00	2.32	15.31	1.26	0.00	1.26	1485.30	0.33	0.00	6.00	0.63	2.00	2.04	36.87	-3.43	57.14	6.00
10	0.10	1.87	7.03	-4.31	0.38	1.87	0.38	5.00	2.34	15.47	1.41	0.00	1.41	1322.48	0.38	0.00	6.00	0.64	2.00	2.06	36.87	-3.05	55.87	6.00
11	0.11	1.64	11.89	-4.41	0.72	1.64	0.73	5.00	2.51	16.03	1.57	0.00	1.57	1041.33	0.73	0.00	5.00	0.70	2.00	2.24	32.32	-2.80	45.28	6.00
12	0.12	1.64	12.55	-4.70	0.76	1.64	0.77	5.00	2.52	16.09	1.73	0.00	1.73	944.56	0.77	0.00	5.00	0.71	2.00	2.25	32.32	-2.71	44.65	6.00
13	0.13	1.66	15.13	-5.75	0.91	1.66	0.91	5.00	2.55	16.31	1.90	0.00	1.90	873.68	0.91	0.00	5.00	0.72	2.00	2.28	32.70	-3.03	42.76	6.00
14	0.14	1.65	15.80	-4.60	0.96	1.65	0.96	5.00	2.56	16.35	2.06	0.00	2.06	799.50	0.96	0.00	5.00	0.73	2.00	2.30	32.51	-2.23	42.01	6.00
15	0.15	1.63	19.30	-4.89	1.18	1.63	1.18	4.00	2.61	16.58	2.23	0.00	2.23	730.86	1.19	0.00	5.00	0.75	2.00	2.35	32.11	-2.20	38.96	6.00
16	0.16	1.64	23.24	-12.56	1.41	1.64	1.42	4.00	2.65	16.80	2.39	0.00	2.39	683.01	1.42	-0.01	5.00	0.76	2.00	2.39	32.27	-5.25	36.48	7.00
17	0.17	1.67	24.40	-8.24	1.46	1.67	1.46	4.00	2.65	16.86	2.56	0.00	2.56	650.07	1.46	0.00	5.00	0.76	2.00	2.39	32.88	-3.22	36.29	7.00
18	0.18	1.71	29.64	-8.15	1.73	1.71	1.74	4.00	2.68	17.09	2.73	0.00	2.73	624.00	1.74	0.00	5.00	0.78	2.00	2.43	33.67	-2.98	33.98	7.00
19	0.19	1.72	32.13	-10.45	1.87	1.72	1.87	4.00	2.69	17.19	2.91	0.00	2.91	590.30	1.87	-0.01	5.00	0.78	2.00	2.45	33.85	-3.60	32.87	7.00
20	0.20	1.74	34.71	-12.94	2.00	1.74	2.00	4.00	2.70	17.28	3.08	0.00	3.08	563.43	2.00	-0.01	5.00	0.79	2.00	2.46	34.23	-4.20	31.93	5.00
21	0.21	1.76	39.25	-16.58	2.23	1.76	2.23	4.00	2.73	17.43	3.25	0.00	3.25	539.10	2.24	-0.01	4.00	0.80	2.00	2.49	34.61	-5.10	30.25	5.00
22	0.22	1.77	40.58	-13.42	2.30	1.77	2.30	4.00	2.73	17.47	3.43	0.00	3.43	514.69	2.30	-0.01	4.00	0.80	2.00	2.49	34.81	-3.92	29.86	5.00
23	0.23	1.78	42.28	-7.76	2.37	1.78	2.38	4.00	2.74	17.52	3.60	0.00	3.60	492.72	2.38	0.00	4.00	0.80	2.00	2.50	35.03	-2.15	29.35	5.00
24	0.24	1.83	46.66	-5.94	2.55	1.83	2.55	4.00	2.75	17.64	3.78	0.00	3.78	483.00	2.56	0.00	4.00	0.81	2.00	2.51	36.02	-1.57	28.39	5.00
25	0.25	1.85	48.11	-7.48	2.60	1.85	2.60	4.00	2.75	17.68	3.96	0.00	3.96	466.34	2.61	0.00	4.00	0.81	2.00	2.51	36.41	-1.89	28.13	5.00
26	0.26	1.88	51.90	-15.43	2.76	1.88	2.77	4.00	2.76	17.77	4.13	0.00	4.13	453.10	2.77	-0.01	4.00	0.81	2.00	2.53	36.96	-3.73	27.23	5.00
27	0.27	1.89	54.14	-17.63	2.87	1.89	2.87	4.00	2.77	17.82	4.31	0.00	4.31	436.54	2.88	-0.01	4.00	0.82	2.00	2.54	37.15	-4.09	26.66	5.00
28	0.28	1.86	57.89	-21.76	3.11	1.86	3.12	4.00	2.79	17.89	4.49	0.00	4.49	412.23	3.13	-0.01	4.00	0.83	2.00	2.57	36.53	-4.85	25.25	5.00
29	0.29	1.82	59.06	-23.58	3.24	1.82	3.25	4.00	2.81	17.91	4.67	0.00	4.67	387.73	3.26	-0.01	4.00	0.84	2.00	2.58	35.73	-5.05	24.51	5.00
30	0.30	1.77	59.91	-23.19	3.39	1.77	3.39	3.00	2.83	17.91	4.85	0.00	4.85	363.07	3.40	-0.01	4.00	0.85	2.00	2.61	34.75	-4.78	23.77	5.00
31	0.31	1.67	61.36	-20.32	3.68	1.67	3.68	3.00	2.88	17.92	5.03	0.00	5.03	330.33	3.69	-0.01	4.00	0.86	2.00	2.65	32.78	-4.04	22.38	5.00
32	0.32	1.62	61.33	-18.31	3.79	1.62	3.79	3.00	2.89	17.91	5.21	0.00	5.21	309.41	3.81	-0.01	4.00	0.87	2.00	2.67	31.80	-3.52	21.88	3.00
33	0.33	1.52	60.95	-12.56	4.00	1.52	4.02	3.00	2.93	17.88	5.39	0.00	5.39	280.76	4.03	-0.01	4.00	0.88	2.00	2.70	29.84	-2.33	20.94	3.00
34	0.34	1.47	60.35	-12.75	4.09	1.47	4.11	3.00	2.95	17.85	5.56	0.00	5.56	262.73	4.13	-0.01	4.00	0.89	2.00	2.72	28.85	-2.29	20.54	3.00
35	0.35	1.40	58.65	-11.69	4.18	1.40	4.20	3.00	2.97	17.80	5.74	0.00	5.74	242.40	4.21	-0.01	4.00	0.90	2.00	2.74	27.47	-2.04	20.17	3.00
36	0.36	1.37	57.86	-11.50	4.22	1.37	4.23	3.00	2.98	17.78	5.92	0.00	5.92	230.03	4.25	-0.01	4.00	0.90	2.00	2.75	26.88	-1.94	20.02	3.00
37	0.37	1.35	56.60	-11.02	4.21	1.35	4.20	3.00	2.98	17.74	6.10	0.00	6.10	220.04	4.22	-0.01	4.00	0.90	2.00	2.76	26.48	-1.81	20.08	3.00
38	0.38	1.30	52.97	-11.60	4.08	1.30	4.08	3.00	2.99	17.65	6.27	0.00	6.27	205.83	4.10	-0.01	4.00	0.90	2.00	2.76	25.49	-1.85	20.33	3.00
39	0.39	1.28	50.83	-9.97	3.98	1.28	3.98	3.00	2.99	17.60	6.45	0.00	6.45	197.14	4.00	-0.01	4.00	0.90	2.00	2.76	25.10	-1.55	20.60	3.00
40	0.40	1.25	47.04	-8.53	3.76	1.25	3.77	3.00	2.98	17.50	6.62	0.00	6.62	187.42	3.79	-0.01	4.00	0.90	2.00	2.75	24.51	-1.29	21.19	3.00
41	0.41	1.22	45.21	-8.82	3.70	1.22	3.71	3.00	2.99	17.45	6.80	0.00	6.80	178.16	3.73	-0.01	4.00	0.90	2.00	2.75	23.91	-1.30	21.30	3.00
42	0.42	1.17	42.28	-8.63	3.61	1.17	3.62	3.00	2.99	17.35	6.97	0.00	6.97	166.54	3.64	-0.01	4.00	0.91	2.00	2.76	22.92	-1.24	21.45	3.00
43	0.43	1.15	40.30	-8.53	3.51	1.15	3.51	3.00	2.99	17.29	7.15	0.00	7.15	159.69	3.53	-0.01	4.00	0.90	2.00	2.76	22.52	-1.19	21.75	3.00
44	0.44	1.10	36.54	-7.95	3.32	1.10	3.33	3.00	2.99	17.16	7.32	0.00	7.32	149.10	3.35	-0.01	4.00	0.90	2.00	2.76	21.53	-1.09	22.19	5.00
45	0.45	1.08	34.97	-7.86	3.24	1.08	3.24	3.00	2.99	17.11	7.49	0.00	7.49	143.01	3.27	-0.01	4.00	0.90	2.00	2.76	21.14	-1.05	22.40	5.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
46	0.46	1.06	33.71	-7.57	3.19	1.06	3.18	3.00	3.00	17.06	7.66	0.00	7.66	137.20	3.21	-0.01	4.00	0.91	2.00	2.76	20.74	-0.99	22.51	5.00
47	0.47	1.03	31.59	-7.86	3.08	1.03	3.07	3.00	3.00	16.97	7.83	0.00	7.83	130.36	3.10	-0.01	4.00	0.91	2.00	2.76	20.14	-1.00	22.77	5.00
48	0.48	1.02	30.49	-7.67	2.99	1.02	2.99	3.00	2.99	16.93	8.00	0.00	8.00	126.33	3.02	-0.01	4.00	0.90	2.00	2.76	19.94	-0.96	23.00	5.00
49	0.49	1.03	28.66	-6.61	2.80	1.03	2.79	3.00	2.97	16.86	8.17	0.00	8.17	124.96	2.81	-0.01	4.00	0.90	2.00	2.73	20.14	-0.81	23.81	5.00
50	0.50	1.03	27.94	-6.42	2.71	1.03	2.72	3.00	2.97	16.83	8.33	0.00	8.33	122.42	2.74	-0.01	4.00	0.89	2.00	2.73	20.14	-0.77	24.08	5.00
51	0.51	1.04	26.83	-6.61	2.59	1.04	2.58	3.00	2.95	16.79	8.50	0.00	8.50	121.15	2.60	-0.01	4.00	0.89	2.00	2.71	20.33	-0.78	24.67	5.00
52	0.52	1.04	26.67	-6.71	2.57	1.04	2.57	3.00	2.95	16.78	8.67	0.00	8.67	118.79	2.59	-0.01	4.00	0.89	2.00	2.71	20.33	-0.77	24.73	5.00
53	0.53	1.04	26.36	-6.80	2.54	1.04	2.54	3.00	2.95	16.77	8.84	0.00	8.84	116.51	2.56	-0.01	4.00	0.89	2.00	2.71	20.33	-0.77	24.85	5.00
54	0.54	1.06	25.16	-5.75	2.37	1.06	2.38	3.00	2.92	16.72	9.01	0.00	9.01	116.58	2.40	-0.01	4.00	0.88	2.00	2.68	20.72	-0.64	25.67	5.00
55	0.55	1.10	24.97	-5.75	2.27	1.10	2.27	3.00	2.90	16.73	9.17	0.00	9.17	118.79	2.29	-0.01	4.00	0.87	2.00	2.66	21.51	-0.63	26.41	5.00
56	0.56	1.22	23.17	-5.46	1.89	1.22	1.90	4.00	2.82	16.68	9.34	0.00	9.34	129.51	1.92	0.00	4.00	0.84	2.00	2.58	23.87	-0.58	29.27	5.00
57	0.57	1.31	22.76	-5.56	1.73	1.31	1.74	4.00	2.77	16.69	9.51	0.00	9.51	136.68	1.75	0.00	4.00	0.82	2.00	2.53	25.65	-0.58	31.02	5.00
58	0.58	1.50	21.85	-5.56	1.46	1.50	1.46	4.00	2.68	16.69	9.67	0.00	9.67	153.95	1.47	0.00	5.00	0.78	2.00	2.44	29.39	-0.57	34.82	7.00
59	0.59	1.55	21.94	-5.56	1.42	1.55	1.42	4.00	2.67	16.71	9.84	0.00	9.84	156.40	1.43	0.00	5.00	0.78	2.00	2.42	30.38	-0.57	35.64	7.00
60	0.60	1.55	22.23	-5.65	1.44	1.55	1.44	4.00	2.67	16.72	10.01	0.00	10.01	153.77	1.44	0.00	5.00	0.78	2.00	2.42	30.37	-0.56	35.45	7.00
61	0.61	1.47	22.70	-5.94	1.55	1.47	1.55	4.00	2.70	16.73	10.17	0.00	10.17	143.36	1.56	0.00	5.00	0.79	2.00	2.46	28.79	-0.58	33.79	7.00
62	0.62	1.42	23.14	-6.04	1.64	1.42	1.63	4.00	2.73	16.74	10.34	0.00	10.34	136.18	1.64	0.00	5.00	0.80	2.00	2.48	27.80	-0.58	32.68	7.00
63	0.63	1.29	23.55	-6.33	1.82	1.29	1.83	4.00	2.79	16.72	10.51	0.00	10.51	121.62	1.84	0.00	4.00	0.83	2.00	2.55	25.23	-0.60	30.24	5.00
64	0.64	1.23	23.33	-6.52	1.89	1.23	1.90	4.00	2.82	16.69	10.68	0.00	10.68	114.08	1.92	-0.01	4.00	0.84	2.00	2.57	24.04	-0.61	29.33	5.00
65	0.65	1.18	23.33	-6.71	1.98	1.18	1.98	4.00	2.84	16.67	10.84	0.00	10.84	107.70	2.00	-0.01	4.00	0.85	2.00	2.60	23.05	-0.62	28.48	5.00
66	0.66	1.09	23.05	-6.90	2.11	1.09	2.12	4.00	2.89	16.63	11.01	0.00	11.01	97.88	2.14	-0.01	4.00	0.86	2.00	2.64	21.27	-0.63	27.07	5.00
67	0.67	1.06	22.86	-7.09	2.16	1.06	2.16	4.00	2.90	16.61	11.18	0.00	11.18	93.72	2.18	-0.01	4.00	0.87	2.00	2.66	20.67	-0.63	26.64	5.00
68	0.68	1.00	22.32	-7.38	2.24	1.00	2.24	3.00	2.93	16.56	11.34	0.00	11.34	87.04	2.26	-0.01	4.00	0.88	2.00	2.69	19.48	-0.65	25.85	5.00
69	0.69	0.97	22.01	-7.48	2.26	0.97	2.27	3.00	2.95	16.53	11.51	0.00	11.51	83.17	2.30	-0.01	4.00	0.89	2.00	2.70	18.89	-0.65	25.46	4.00
70	0.70	0.96	21.72	-7.57	2.27	0.96	2.27	3.00	2.95	16.51	11.67	0.00	11.67	81.12	2.29	-0.01	4.00	0.89	2.00	2.71	18.69	-0.65	25.42	4.00
71	0.71	0.93	21.28	-7.76	2.28	0.93	2.29	3.00	2.96	16.48	11.84	0.00	11.84	77.44	2.32	-0.01	4.00	0.89	2.00	2.72	18.09	-0.66	25.08	4.00
72	0.72	0.92	20.81	-7.86	2.25	0.92	2.27	3.00	2.97	16.45	12.00	0.00	12.00	75.53	2.30	-0.01	4.00	0.89	2.00	2.72	17.89	-0.65	25.11	4.00
73	0.73	0.89	19.86	-8.15	2.23	0.89	2.24	3.00	2.97	16.38	12.16	0.00	12.16	72.02	2.27	-0.01	4.00	0.90	2.00	2.73	17.29	-0.67	24.99	4.00
74	0.74	0.87	19.04	-8.24	2.19	0.87	2.19	3.00	2.98	16.32	12.33	0.00	12.33	69.43	2.22	-0.01	4.00	0.90	2.00	2.74	16.89	-0.67	25.00	4.00
75	0.75	0.81	17.31	-8.53	2.15	0.81	2.14	3.00	3.00	16.19	12.49	0.00	12.49	63.71	2.18	-0.01	4.00	0.91	2.00	2.76	15.71	-0.68	24.68	4.00
76	0.76	0.76	16.33	-8.72	2.14	0.76	2.15	3.00	3.03	16.09	12.65	0.00	12.65	58.93	2.19	-0.01	4.00	0.92	2.00	2.78	14.72	-0.69	24.18	4.00
77	0.77	0.70	15.39	-9.01	2.18	0.70	2.20	3.00	3.06	15.99	12.81	0.00	12.81	53.50	2.25	-0.01	4.00	0.93	2.00	2.82	13.53	-0.70	23.44	4.00
78	0.78	0.58	14.22	-9.68	2.44	0.58	2.46	3.00	3.16	15.83	12.97	0.00	12.97	43.57	2.52	-0.02	3.00	0.97	2.00	2.91	11.15	-0.75	21.57	2.00
79	0.79	0.53	13.81	-10.06	2.61	0.53	2.62	3.00	3.20	15.76	13.13	0.00	13.13	39.22	2.68	-0.02	3.00	0.99	2.00	2.96	10.16	-0.77	20.73	2.00
80	0.80	0.46	13.24	-10.54	2.88	0.46	2.89	3.00	3.28	15.66	13.28	0.00	13.28	33.46	2.98	-0.02	3.00	1.00	2.00	3.04	8.77	-0.79	19.53	2.00
81	0.81	0.46	13.24	-10.54	2.88	0.46	2.89	3.00	3.28	15.66	13.44	0.00	13.44	33.06	2.98	-0.02	3.00	1.00	2.00	3.04	8.77	-0.78	19.53	2.00
82	0.82	0.46	13.24	-10.54	2.88	0.46	2.89	3.00	3.28	15.66	13.60	0.00	13.60	32.67	2.98	-0.02	3.00	1.00	2.00	3.04	8.77	-0.78	19.52	2.00
83	0.83	0.42	10.88	-17.16	2.60	0.42	2.61	3.00	3.29	15.40	13.75	0.00	13.75	29.28	2.70	-0.04	3.00	1.00	2.00	3.05	7.95	-1.25	19.62	2.00
84	0.84	0.42	10.88	-17.16	2.60	0.42	2.61	3.00	3.29	15.40	13.90	0.00	13.90	28.95	2.70	-0.04	3.00	1.00	2.00	3.06	7.94	-1.23	19.62	2.00
85	0.85	0.42	10.88	-17.16	2.60	0.42	2.61	3.00	3.29	15.40	14.06	0.00	14.06	28.62	2.70	-0.04	3.00	1.00	2.00	3.06	7.94	-1.22	19.61	2.00
86	0.86	0.42	10.88	-17.16	2.60	0.42	2.61	3.00	3.29	15.40	14.21	0.00	14.21	28.30	2.71	-0.04	3.00	1.00	2.00	3.06	7.94	-1.21	19.61	2.00
87	0.87	0.38	8.77	-14.86	2.28	0.38	2.33	3.00	3.31	15.11	14.36	0.00	14.36	25.24	2.42	-0.04	3.00	1.00	2.00	3.07	7.16	-1.03	19.65	2.00
88	0.88	0.40	8.67	-14.76	2.19	0.40	2.18	3.00	3.27	15.12	14.51	0.00	14.51	26.35	2.27	-0.04	3.00	1.00	2.00	3.03	7.55	-1.02	20.14	2.00
89	0.89	0.44	8.29	-14.57	1.89	0.44	1.90	3.00	3.21	15.10	14.67	0.00	14.67	28.79	1.96	-0.03	3.00	0.99	2.00	2.96	8.34	-0.99	21.23	1.00
90	0.90	0.47	8.45	-14.38	1.80	0.47	1.81	3.00	3.17	15.15	14.82	0.00	14.82	30.52	1.87	-0.03	3.00	0.97	2.00	2.93	8.93	-0.97	21.83	1.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
91	0.91	0.57	8.80	-13.80	1.54	0.57	1.55	3.00	3.07	15.27	14.97	0.00	14.97	36.88	1.59	-0.02	4.00	0.93	2.00	2.82	10.90	-0.92	23.92	4.00
92	0.92	0.64	9.05	-13.42	1.41	0.64	1.42	3.00	3.00	15.35	15.12	0.00	15.12	41.13	1.45	-0.02	4.00	0.91	2.00	2.75	12.28	-0.89	25.36	4.00
93	0.93	0.74	9.36	-13.13	1.27	0.74	1.27	4.00	2.92	15.44	15.28	0.00	15.28	47.26	1.30	-0.02	4.00	0.88	2.00	2.67	14.25	-0.86	27.41	4.00
94	0.94	1.07	10.66	-12.36	0.99	1.07	1.00	4.00	2.73	15.74	15.43	0.00	15.43	68.16	1.01	-0.01	5.00	0.80	2.00	2.48	20.76	-0.80	33.79	6.00
95	0.95	1.28	11.86	-12.08	0.92	1.28	0.93	4.00	2.65	15.93	15.59	0.00	15.59	80.92	0.94	-0.01	5.00	0.77	2.00	2.39	24.91	-0.77	37.37	6.00
96	0.96	1.50	14.76	-11.79	0.98	1.50	0.99	4.00	2.60	16.24	15.76	0.00	15.76	94.04	1.00	-0.01	5.00	0.75	2.00	2.35	29.25	-0.75	39.59	6.00
97	0.97	1.47	16.36	-11.79	1.11	1.47	1.11	4.00	2.63	16.35	15.92	0.00	15.92	91.18	1.13	-0.01	5.00	0.77	2.00	2.38	28.65	-0.74	37.79	6.00
98	0.98	1.34	18.67	-11.88	1.40	1.34	1.40	4.00	2.72	16.47	16.08	0.00	16.08	82.15	1.41	-0.01	5.00	0.80	2.00	2.47	26.08	-0.74	33.77	6.00
99	0.99	1.26	18.76	-11.88	1.49	1.26	1.49	4.00	2.75	16.45	16.25	0.00	16.25	76.39	1.51	-0.01	5.00	0.81	2.00	2.51	24.50	-0.73	32.23	6.00
100	1.00	1.17	19.30	-11.98	1.64	1.17	1.65	4.00	2.81	16.45	16.41	0.00	16.41	70.13	1.68	-0.01	4.00	0.83	2.00	2.56	22.72	-0.73	30.27	4.00
101	1.01	1.05	20.68	-12.08	1.97	1.05	1.97	4.00	2.89	16.49	16.58	0.00	16.58	62.18	2.01	-0.01	4.00	0.87	2.00	2.64	20.35	-0.73	27.39	4.00
102	1.02	1.01	21.31	-12.17	2.11	1.01	2.12	3.00	2.92	16.51	16.74	0.00	16.74	59.17	2.15	-0.01	4.00	0.88	2.00	2.68	19.55	-0.73	26.37	4.00
103	1.03	0.94	21.88	-12.27	2.33	0.94	2.33	3.00	2.96	16.51	16.91	0.00	16.91	54.44	2.38	-0.01	4.00	0.90	2.00	2.73	18.17	-0.73	24.89	4.00
104	1.04	0.92	22.13	-12.27	2.41	0.92	2.41	3.00	2.98	16.52	17.07	0.00	17.07	52.73	2.46	-0.01	4.00	0.90	2.00	2.74	17.77	-0.72	24.43	4.00
105	1.05	0.89	22.39	-12.36	2.53	0.89	2.52	3.00	3.00	16.52	17.24	0.00	17.24	50.48	2.57	-0.01	4.00	0.91	2.00	2.77	17.18	-0.72	23.80	0.00
106	1.06	0.85	22.61	-12.36	2.65	0.85	2.67	3.00	3.03	16.51	17.40	0.00	17.40	47.69	2.72	-0.01	4.00	0.92	2.00	2.80	16.38	-0.71	23.02	0.00
107	1.07	0.84	22.48	-12.46	2.68	0.84	2.68	3.00	3.04	16.50	17.57	0.00	17.57	46.66	2.74	-0.02	4.00	0.93	2.00	2.80	16.18	-0.71	22.89	4.00
108	1.08	0.82	22.04	-12.56	2.70	0.82	2.70	3.00	3.05	16.47	17.73	0.00	17.73	45.09	2.76	-0.02	4.00	0.93	2.00	2.81	15.78	-0.71	22.72	4.00
109	1.09	0.81	21.66	-12.56	2.69	0.81	2.68	3.00	3.05	16.44	17.90	0.00	17.90	44.11	2.74	-0.02	4.00	0.93	2.00	2.82	15.58	-0.70	22.69	4.00
110	1.10	0.80	21.16	-12.56	2.66	0.80	2.65	3.00	3.05	16.41	18.06	0.00	18.06	43.15	2.72	-0.02	4.00	0.93	2.00	2.82	15.38	-0.70	22.71	4.00
111	1.11	0.77	18.54	-12.56	2.39	0.77	2.42	3.00	3.05	16.25	18.22	0.00	18.22	41.11	2.47	-0.02	4.00	0.93	2.00	2.81	14.79	-0.69	23.25	4.00
112	1.12	0.77	17.18	-12.56	2.23	0.77	2.24	3.00	3.03	16.16	18.39	0.00	18.39	40.74	2.29	-0.02	4.00	0.92	2.00	2.79	14.78	-0.68	23.85	4.00
113	1.13	0.75	13.49	-12.65	1.79	0.75	1.81	3.00	2.99	15.87	18.55	0.00	18.55	39.30	1.85	-0.02	4.00	0.91	2.00	2.75	14.39	-0.68	25.24	4.00
114	1.14	0.76	12.20	-12.65	1.61	0.76	1.61	3.00	2.96	15.76	18.70	0.00	18.70	39.49	1.65	-0.02	4.00	0.89	2.00	2.72	14.58	-0.68	26.13	4.00
115	1.15	0.77	10.66	-12.75	1.39	0.77	1.39	4.00	2.93	15.61	18.86	0.00	18.86	39.69	1.42	-0.02	4.00	0.88	2.00	2.68	14.77	-0.68	27.21	4.00
116	1.16	0.77	10.40	-12.75	1.34	0.77	1.36	4.00	2.92	15.58	19.01	0.00	19.01	39.35	1.39	-0.02	4.00	0.88	2.00	2.67	14.77	-0.67	27.36	4.00
117	1.17	0.79	10.25	-12.75	1.30	0.79	1.30	4.00	2.90	15.57	19.17	0.00	19.17	40.07	1.33	-0.02	4.00	0.87	2.00	2.66	15.16	-0.67	27.89	4.00
118	1.18	0.80	10.25	-12.75	1.29	0.80	1.29	4.00	2.90	15.58	19.33	0.00	19.33	40.26	1.32	-0.02	4.00	0.87	2.00	2.65	15.36	-0.66	28.10	4.00
119	1.19	0.80	10.22	-12.75	1.28	0.80	1.28	4.00	2.90	15.57	19.48	0.00	19.48	39.93	1.31	-0.02	4.00	0.87	2.00	2.65	15.35	-0.65	28.12	4.00
120	1.20	0.81	10.40	-12.75	1.28	0.81	1.29	4.00	2.89	15.60	19.64	0.00	19.64	40.11	1.32	-0.02	4.00	0.87	2.00	2.64	15.55	-0.65	28.22	4.00
121	1.21	0.82	10.63	-12.75	1.30	0.82	1.30	4.00	2.89	15.63	19.79	0.00	19.79	40.29	1.33	-0.02	4.00	0.87	2.00	2.64	15.74	-0.64	28.29	4.00
122	1.22	0.85	10.97	-12.65	1.29	0.85	1.29	4.00	2.87	15.68	19.95	0.00	19.95	41.47	1.33	-0.02	4.00	0.86	2.00	2.63	16.33	-0.63	28.73	4.00
123	1.23	0.88	11.10	-12.65	1.26	0.88	1.27	4.00	2.86	15.71	20.11	0.00	20.11	42.63	1.29	-0.01	4.00	0.85	2.00	2.61	16.92	-0.63	29.29	4.00
124	1.24	0.91	11.26	-12.65	1.23	0.91	1.24	4.00	2.84	15.74	20.27	0.00	20.27	43.77	1.27	-0.01	4.00	0.85	2.00	2.59	17.51	-0.62	29.83	4.00
125	1.25	1.01	11.57	-12.46	1.15	1.01	1.15	4.00	2.78	15.81	20.42	0.00	20.42	48.33	1.17	-0.01	5.00	0.83	2.00	2.53	19.48	-0.61	31.76	4.00
126	1.26	1.07	11.82	-12.36	1.10	1.07	1.11	4.00	2.75	15.85	20.58	0.00	20.58	50.86	1.13	-0.01	5.00	0.81	2.00	2.50	20.66	-0.60	32.85	6.00
127	1.27	1.22	12.33	-12.27	1.01	1.22	1.01	4.00	2.69	15.95	20.74	0.00	20.74	57.70	1.03	-0.01	5.00	0.79	2.00	2.43	23.62	-0.59	35.64	6.00
128	1.28	1.30	12.64	-12.17	0.97	1.30	0.97	4.00	2.65	16.01	20.90	0.00	20.90	61.07	0.99	-0.01	5.00	0.77	2.00	2.40	25.20	-0.58	37.07	6.00
129	1.29	1.47	13.46	-12.08	0.92	1.47	0.92	4.00	2.59	16.13	21.06	0.00	21.06	68.67	0.93	-0.01	5.00	0.75	2.00	2.34	28.55	-0.57	39.92	6.00
130	1.30	1.56	14.00	-11.98	0.89	1.56	0.90	5.00	2.57	16.19	21.22	0.00	21.22	72.38	0.91	-0.01	5.00	0.74	2.00	2.31	30.32	-0.56	41.30	6.00
131	1.31	1.65	14.47	-11.98	0.88	1.65	0.88	5.00	2.54	16.25	21.39	0.00	21.39	76.03	0.89	-0.01	5.00	0.73	2.00	2.29	32.10	-0.56	42.71	6.00
132	1.32	1.73	15.76	-11.98	0.91	1.73	0.91	5.00	2.53	16.37	21.55	0.00	21.55	79.16	0.92	-0.01	5.00	0.73	2.00	2.28	33.67	-0.56	43.19	6.00
133	1.33	1.73	16.46	-11.98	0.95	1.73	0.95	5.00	2.54	16.42	21.72	0.00	21.72	78.55	0.96	-0.01	5.00	0.73	2.00	2.29	33.67	-0.55	42.61	6.00
134	1.34	1.65	17.69	-12.08	1.07	1.65	1.07	4.00	2.58	16.48	21.88	0.00	21.88	74.30	1.09	-0.01	5.00	0.75	2.00	2.33	32.09	-0.55	40.11	6.00
135	1.35	1.59	18.35	-12.17	1.16	1.59	1.16	4.00	2.61	16.51	22.05	0.00	22.05	71.01	1.17	-0.01	5.00	0.76	2.00	2.36	30.90	-0.55	38.50	6.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
136	1.36	1.52	19.17	-12.17	1.26	1.52	1.26	4.00	2.65	16.55	22.21	0.00	22.21	67.32	1.28	-0.01	5.00	0.78	2.00	2.40	29.51	-0.55	36.64	6.00
137	1.37	1.37	20.62	-12.27	1.51	1.37	1.51	4.00	2.73	16.59	22.38	0.00	22.38	60.11	1.53	-0.01	5.00	0.81	2.00	2.48	26.55	-0.55	33.02	7.00
138	1.38	1.30	21.12	-12.36	1.63	1.30	1.63	4.00	2.76	16.60	22.54	0.00	22.54	56.55	1.66	-0.01	4.00	0.82	2.00	2.52	25.16	-0.55	31.48	5.00
139	1.39	1.17	22.04	-12.56	1.88	1.17	1.89	4.00	2.84	16.60	22.71	0.00	22.71	50.41	1.93	-0.01	4.00	0.85	2.00	2.60	22.59	-0.55	28.72	5.00
140	1.40	1.11	22.35	-12.65	2.02	1.11	2.02	4.00	2.87	16.60	22.87	0.00	22.87	47.41	2.06	-0.01	4.00	0.86	2.00	2.63	21.41	-0.55	27.52	5.00
141	1.41	1.06	22.61	-12.65	2.14	1.06	2.14	4.00	2.90	16.60	23.04	0.00	23.04	44.89	2.19	-0.01	4.00	0.88	2.00	2.66	20.42	-0.55	26.53	5.00
142	1.42	0.95	22.64	-12.94	2.39	0.95	2.39	3.00	2.97	16.56	23.21	0.00	23.21	39.82	2.45	-0.01	4.00	0.90	2.00	2.73	18.24	-0.56	24.62	5.00
143	1.43	0.89	22.51	-12.94	2.52	0.89	2.54	3.00	3.00	16.52	23.37	0.00	23.37	36.96	2.61	-0.01	4.00	0.92	2.00	2.77	17.05	-0.55	23.64	0.00
144	1.44	0.84	22.39	-13.03	2.65	0.84	2.67	3.00	3.04	16.50	23.54	0.00	23.54	34.57	2.75	-0.02	4.00	0.93	2.00	2.81	16.06	-0.55	22.82	4.00
145	1.45	0.75	21.85	-13.23	2.92	0.75	2.92	3.00	3.10	16.42	23.70	0.00	23.70	30.53	3.02	-0.02	3.00	0.96	2.00	2.87	14.28	-0.56	21.46	2.00
146	1.46	0.69	21.44	-13.32	3.09	0.69	3.12	3.00	3.15	16.37	23.86	0.00	23.86	27.80	3.23	-0.02	3.00	0.97	2.00	2.92	13.09	-0.56	20.56	2.00
147	1.47	0.58	20.18	-13.71	3.47	0.58	3.50	3.00	3.24	16.23	24.03	0.00	24.03	23.02	3.65	-0.02	3.00	1.00	2.00	3.01	10.92	-0.57	19.04	2.00
148	1.48	0.53	19.45	-13.99	3.68	0.53	3.69	3.00	3.28	16.16	24.19	0.00	24.19	20.79	3.87	-0.03	3.00	1.00	2.00	3.06	9.93	-0.58	18.38	2.00
149	1.49	0.43	18.41	-14.47	4.26	0.43	4.31	3.00	3.40	16.01	24.35	0.00	24.35	16.54	4.57	-0.04	3.00	1.00	2.00	3.18	7.95	-0.59	16.88	2.00
150	1.50	0.41	17.37	-14.57	4.22	0.41	4.27	3.00	3.41	15.93	24.51	0.00	24.51	15.60	4.54	-0.04	3.00	1.00	2.00	3.20	7.55	-0.59	16.83	2.00
151	1.51	0.36	16.24	-14.86	4.54	0.36	4.55	3.00	3.47	15.80	24.67	0.00	24.67	13.47	4.89	-0.04	3.00	1.00	2.00	3.27	6.56	-0.60	16.22	2.00
152	1.52	0.32	15.86	-14.95	4.95	0.32	5.01	3.00	3.54	15.73	24.82	0.00	24.82	11.76	5.43	-0.05	3.00	1.00	2.00	3.34	5.76	-0.60	15.56	2.00
153	1.53	0.30	15.17	-15.05	4.98	0.30	5.11	3.00	3.57	15.65	24.98	0.00	24.98	10.88	5.58	-0.06	3.00	1.00	2.00	3.37	5.37	-0.60	15.37	2.00
154	1.54	0.31	14.63	-15.05	4.72	0.31	4.77	3.00	3.54	15.62	25.14	0.00	25.14	11.21	5.19	-0.05	3.00	1.00	2.00	3.34	5.56	-0.60	15.74	2.00
155	1.55	0.33	14.03	-15.05	4.24	0.33	4.29	3.00	3.49	15.60	25.29	0.00	25.29	11.92	4.65	-0.05	3.00	1.00	2.00	3.29	5.95	-0.60	16.33	2.00
156	1.56	0.37	13.59	-14.86	3.69	0.37	3.70	3.00	3.42	15.60	25.45	0.00	25.45	13.42	3.98	-0.04	3.00	1.00	2.00	3.21	6.74	-0.58	17.29	2.00
157	1.57	0.48	12.86	-14.47	2.71	0.48	2.70	3.00	3.25	15.64	25.60	0.00	25.60	17.63	2.85	-0.03	3.00	1.00	2.00	3.03	8.91	-0.57	19.82	2.00
158	1.58	0.53	12.80	-14.18	2.40	0.53	2.43	3.00	3.19	15.67	25.76	0.00	25.76	19.46	2.55	-0.03	3.00	0.99	2.00	2.96	9.89	-0.55	20.88	2.00
159	1.59	0.67	12.20	-13.80	1.83	0.67	1.83	3.00	3.04	15.71	25.92	0.00	25.92	24.74	1.90	-0.02	4.00	0.93	2.00	2.80	12.66	-0.53	24.08	4.00
160	1.60	0.73	11.76	-13.61	1.61	0.73	1.62	3.00	2.98	15.70	26.07	0.00	26.07	26.89	1.68	-0.02	4.00	0.91	2.00	2.74	13.84	-0.52	25.57	4.00
161	1.61	0.80	11.67	-13.51	1.47	0.80	1.46	4.00	2.92	15.73	26.23	0.00	26.23	29.39	1.51	-0.02	4.00	0.88	2.00	2.68	15.22	-0.52	27.10	4.00
162	1.62	0.90	11.67	-13.32	1.29	0.90	1.30	4.00	2.85	15.77	26.39	0.00	26.39	33.00	1.34	-0.02	4.00	0.86	2.00	2.61	17.19	-0.50	29.22	4.00
163	1.63	0.95	11.54	-13.32	1.22	0.95	1.22	4.00	2.82	15.78	26.55	0.00	26.55	34.68	1.25	-0.01	4.00	0.84	2.00	2.57	18.17	-0.50	30.37	4.00
164	1.64	1.01	11.73	-13.23	1.16	1.01	1.16	4.00	2.79	15.82	26.71	0.00	26.71	36.72	1.20	-0.01	5.00	0.83	2.00	2.54	19.35	-0.50	31.51	4.00
165	1.65	1.04	11.79	-13.23	1.13	1.04	1.14	4.00	2.77	15.84	26.86	0.00	26.86	37.61	1.17	-0.01	5.00	0.82	2.00	2.52	19.94	-0.49	32.10	0.00
166	1.66	1.10	11.70	-13.23	1.06	1.10	1.07	4.00	2.74	15.85	27.02	0.00	27.02	39.60	1.09	-0.01	5.00	0.81	2.00	2.49	21.12	-0.49	33.43	6.00
167	1.67	1.13	11.70	-13.23	1.04	1.13	1.04	4.00	2.72	15.86	27.18	0.00	27.18	40.47	1.06	-0.01	5.00	0.80	2.00	2.47	21.71	-0.49	34.07	6.00
168	1.68	1.17	11.86	-13.13	1.01	1.17	1.02	4.00	2.70	15.89	27.34	0.00	27.34	41.69	1.04	-0.01	5.00	0.80	2.00	2.45	22.50	-0.48	34.79	6.00
169	1.69	1.20	11.98	-13.13	1.00	1.20	1.00	4.00	2.69	15.91	27.50	0.00	27.50	42.54	1.02	-0.01	5.00	0.79	2.00	2.44	23.09	-0.48	35.33	6.00
170	1.70	1.21	12.27	-13.13	1.01	1.21	1.02	4.00	2.69	15.94	27.66	0.00	27.66	42.65	1.04	-0.01	5.00	0.79	2.00	2.44	23.28	-0.47	35.33	6.00
171	1.71	1.24	13.18	-13.13	1.06	1.24	1.07	4.00	2.69	16.04	27.82	0.00	27.82	43.47	1.09	-0.01	5.00	0.79	2.00	2.44	23.87	-0.47	35.28	6.00
172	1.72	1.26	13.59	-13.13	1.08	1.26	1.08	4.00	2.69	16.08	27.98	0.00	27.98	43.93	1.11	-0.01	5.00	0.79	2.00	2.44	24.26	-0.47	35.39	6.00
173	1.73	1.28	14.35	-13.13	1.12	1.28	1.12	4.00	2.69	16.15	28.14	0.00	28.14	44.39	1.15	-0.01	5.00	0.79	2.00	2.44	24.66	-0.47	35.25	6.00
174	1.74	1.28	14.72	-13.23	1.15	1.28	1.15	4.00	2.69	16.18	28.30	0.00	28.30	44.13	1.18	-0.01	5.00	0.80	2.00	2.45	24.65	-0.47	34.98	6.00
175	1.75	1.28	15.04	-13.13	1.17	1.28	1.18	4.00	2.70	16.20	28.47	0.00	28.47	43.87	1.20	-0.01	5.00	0.80	2.00	2.45	24.65	-0.46	34.76	6.00
176	1.76	1.26	15.23	-13.23	1.21	1.26	1.21	4.00	2.71	16.21	28.63	0.00	28.63	42.92	1.24	-0.01	5.00	0.80	2.00	2.46	24.25	-0.46	34.23	6.00
177	1.77	1.24	15.29	-13.23	1.23	1.24	1.24	4.00	2.72	16.21	28.79	0.00	28.79	41.98	1.27	-0.01	5.00	0.81	2.00	2.48	23.85	-0.46	33.79	6.00
178	1.78	1.17	15.45	-13.32	1.31	1.17	1.32	4.00	2.76	16.20	28.95	0.00	28.95	39.32	1.36	-0.01	5.00	0.82	2.00	2.51	22.47	-0.46	32.31	6.00
179	1.79	1.14	15.45	-13.32	1.35	1.14	1.36	4.00	2.77	16.19	29.11	0.00	29.11	38.06	1.39	-0.01	5.00	0.83	2.00	2.53	21.87	-0.46	31.71	4.00
180	1.80	1.11	15.54	-13.42	1.40	1.11	1.40	4.00	2.79	16.18	29.27	0.00	29.27	36.82	1.44	-0.01	4.00	0.84	2.00	2.55	21.28	-0.46	31.07	4.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
181	1.81	1.04	15.83	-13.51	1.52	1.04	1.53	4.00	2.83	16.18	29.44	0.00	29.44	34.23	1.57	-0.01	4.00	0.85	2.00	2.59	19.89	-0.46	29.52	4.00
182	1.82	1.01	15.83	-13.51	1.57	1.01	1.57	4.00	2.85	16.17	29.60	0.00	29.60	33.03	1.62	-0.01	4.00	0.86	2.00	2.61	19.30	-0.46	28.94	4.00
183	1.83	0.98	15.92	-13.51	1.63	0.98	1.63	4.00	2.87	16.16	29.76	0.00	29.76	31.83	1.68	-0.01	4.00	0.87	2.00	2.63	18.70	-0.45	28.30	4.00
184	1.84	0.93	15.86	-13.61	1.70	0.93	1.71	4.00	2.90	16.14	29.92	0.00	29.92	29.99	1.77	-0.02	4.00	0.88	2.00	2.66	17.71	-0.45	27.35	4.00
185	1.85	0.92	15.76	-13.71	1.72	0.92	1.72	4.00	2.90	16.13	30.08	0.00	30.08	29.49	1.78	-0.02	4.00	0.88	2.00	2.67	17.51	-0.46	27.21	4.00
186	1.86	0.91	15.73	-13.71	1.73	0.91	1.73	4.00	2.91	16.12	30.24	0.00	30.24	28.99	1.79	-0.02	4.00	0.88	2.00	2.67	17.31	-0.45	27.02	4.00
187	1.87	0.91	15.61	-13.71	1.72	0.91	1.72	4.00	2.91	16.11	30.40	0.00	30.40	28.83	1.78	-0.02	4.00	0.88	2.00	2.67	17.31	-0.45	27.09	4.00
188	1.88	0.92	15.45	-13.71	1.68	0.92	1.68	4.00	2.90	16.10	30.57	0.00	30.57	29.00	1.74	-0.02	4.00	0.88	2.00	2.66	17.50	-0.45	27.36	4.00
189	1.89	0.95	14.98	-13.71	1.58	0.95	1.58	4.00	2.87	16.08	30.73	0.00	30.73	29.82	1.63	-0.01	4.00	0.87	2.00	2.64	18.09	-0.45	28.21	4.00
190	1.90	0.98	14.82	-13.61	1.52	0.98	1.52	4.00	2.85	16.08	30.89	0.00	30.89	30.64	1.57	-0.01	4.00	0.86	2.00	2.61	18.68	-0.44	28.89	4.00
191	1.91	0.98	14.82	-13.61	1.52	0.98	1.52	4.00	2.85	16.08	31.05	0.00	31.05	30.47	1.57	-0.01	4.00	0.86	2.00	2.61	18.67	-0.44	28.89	4.00
192	1.92	0.98	14.82	-13.61	1.52	0.98	1.52	4.00	2.85	16.08	31.21	0.00	31.21	30.31	1.57	-0.01	4.00	0.86	2.00	2.61	18.67	-0.44	28.89	4.00
193	1.93	1.17	12.42	-13.71	1.06	1.17	1.06	4.00	2.71	15.95	31.37	0.00	31.37	36.21	1.09	-0.01	5.00	0.80	2.00	2.47	22.42	-0.44	34.30	6.00
194	1.94	1.24	12.99	-13.61	1.04	1.24	1.05	4.00	2.69	16.02	31.53	0.00	31.53	38.24	1.08	-0.01	5.00	0.80	2.00	2.44	23.80	-0.43	35.34	6.00
195	1.95	1.28	13.27	-13.51	1.04	1.28	1.04	4.00	2.67	16.06	31.69	0.00	31.69	39.30	1.07	-0.01	5.00	0.79	2.00	2.42	24.58	-0.43	35.95	6.00
196	1.96	1.37	14.06	-13.32	1.03	1.37	1.03	4.00	2.64	16.15	31.85	0.00	31.85	41.93	1.05	-0.01	5.00	0.78	2.00	2.40	26.36	-0.42	37.19	6.00
197	1.97	1.41	14.47	-13.23	1.03	1.41	1.03	4.00	2.63	16.19	32.01	0.00	32.01	42.96	1.05	-0.01	5.00	0.77	2.00	2.39	27.14	-0.41	37.69	6.00
198	1.98	1.45	15.45	-13.13	1.06	1.45	1.07	4.00	2.63	16.28	32.18	0.00	32.18	43.98	1.09	-0.01	5.00	0.77	2.00	2.38	27.93	-0.41	37.74	6.00
199	1.99	1.46	15.73	-13.13	1.08	1.46	1.08	4.00	2.63	16.30	32.34	0.00	32.34	44.06	1.10	-0.01	5.00	0.77	2.00	2.38	28.13	-0.41	37.73	6.00
200	2.00	1.43	16.33	-13.03	1.15	1.43	1.14	4.00	2.65	16.34	32.50	0.00	32.50	42.91	1.17	-0.01	5.00	0.78	2.00	2.40	27.53	-0.40	36.71	6.00
201	2.01	1.38	16.81	-13.13	1.21	1.38	1.22	4.00	2.68	16.36	32.67	0.00	32.67	41.16	1.25	-0.01	5.00	0.79	2.00	2.43	26.54	-0.40	35.41	6.00
202	2.02	1.34	16.96	-13.03	1.27	1.34	1.27	4.00	2.70	16.36	32.83	0.00	32.83	39.73	1.30	-0.01	5.00	0.80	2.00	2.45	25.75	-0.40	34.55	6.00
203	2.03	1.25	17.75	-13.13	1.42	1.25	1.42	4.00	2.75	16.38	32.99	0.00	32.99	36.80	1.46	-0.01	5.00	0.82	2.00	2.51	23.97	-0.40	32.34	6.00
204	2.04	1.21	17.81	-13.13	1.47	1.21	1.48	4.00	2.77	16.37	33.16	0.00	33.16	35.41	1.52	-0.01	5.00	0.83	2.00	2.53	23.17	-0.40	31.55	4.00
205	2.05	1.21	18.16	-13.13	1.50	1.21	1.50	4.00	2.77	16.40	33.32	0.00	33.32	35.23	1.55	-0.01	4.00	0.83	2.00	2.53	23.17	-0.39	31.34	4.00
206	2.06	1.27	19.01	-13.03	1.50	1.27	1.50	4.00	2.75	16.47	33.49	0.00	33.49	36.85	1.54	-0.01	5.00	0.82	2.00	2.51	24.35	-0.39	31.95	4.00
207	2.07	1.32	18.82	-13.03	1.42	1.32	1.43	4.00	2.73	16.47	33.65	0.00	33.65	38.15	1.47	-0.01	5.00	0.81	2.00	2.49	25.34	-0.39	32.98	6.00
208	2.08	1.46	17.94	-12.84	1.23	1.46	1.23	4.00	2.66	16.45	33.81	0.00	33.81	42.10	1.26	-0.01	5.00	0.79	2.00	2.41	28.10	-0.38	36.14	6.00
209	2.09	1.52	17.75	-12.84	1.17	1.52	1.17	4.00	2.63	16.46	33.98	0.00	33.98	43.65	1.20	-0.01	5.00	0.78	2.00	2.39	29.28	-0.38	37.40	6.00
210	2.10	1.58	17.81	-12.75	1.13	1.58	1.13	4.00	2.61	16.48	34.14	0.00	34.14	45.20	1.15	-0.01	5.00	0.77	2.00	2.36	30.46	-0.37	38.48	6.00
211	2.11	1.68	18.00	-12.65	1.07	1.68	1.07	4.00	2.58	16.51	34.31	0.00	34.31	47.89	1.10	-0.01	5.00	0.75	2.00	2.33	32.43	-0.37	40.21	6.00
212	2.12	1.73	17.88	-12.56	1.04	1.73	1.04	5.00	2.56	16.51	34.47	0.00	34.47	49.11	1.06	-0.01	5.00	0.75	2.00	2.31	33.42	-0.36	41.23	6.00
213	2.13	1.78	17.97	-12.46	1.01	1.78	1.01	5.00	2.54	16.53	34.64	0.00	34.64	50.31	1.03	-0.01	5.00	0.74	2.00	2.29	34.40	-0.36	42.10	6.00
214	2.14	1.79	18.29	-12.46	1.02	1.79	1.02	5.00	2.54	16.55	34.80	0.00	34.80	50.35	1.04	-0.01	5.00	0.74	2.00	2.29	34.59	-0.36	42.03	6.00
215	2.15	1.82	18.79	-12.46	1.03	1.82	1.03	5.00	2.54	16.59	34.97	0.00	34.97	50.97	1.05	-0.01	5.00	0.74	2.00	2.29	35.18	-0.36	42.19	6.00
216	2.16	1.83	18.67	-12.36	1.02	1.83	1.02	5.00	2.53	16.59	35.14	0.00	35.14	51.01	1.04	-0.01	5.00	0.74	2.00	2.29	35.38	-0.35	42.47	6.00
217	2.17	1.86	18.85	-12.36	1.01	1.86	1.01	5.00	2.52	16.60	35.30	0.00	35.30	51.61	1.03	-0.01	5.00	0.74	2.00	2.28	35.97	-0.35	42.88	6.00
218	2.18	1.92	19.23	-12.36	1.00	1.92	1.00	5.00	2.51	16.64	35.47	0.00	35.47	53.06	1.02	-0.01	5.00	0.73	2.00	2.26	37.15	-0.35	43.67	7.00
219	2.19	1.95	19.86	-12.36	1.02	1.95	1.02	5.00	2.51	16.68	35.64	0.00	35.64	53.65	1.04	-0.01	5.00	0.73	2.00	2.26	37.74	-0.35	43.71	7.00
220	2.20	2.01	20.72	-12.27	1.03	2.01	1.03	5.00	2.50	16.74	35.80	0.00	35.80	55.07	1.05	-0.01	5.00	0.73	2.00	2.25	38.92	-0.34	44.11	7.00
221	2.21	2.03	21.09	-12.17	1.04	2.03	1.04	5.00	2.50	16.77	35.97	0.00	35.97	55.36	1.06	-0.01	5.00	0.73	2.00	2.25	39.31	-0.34	44.17	7.00
222	2.22	2.06	22.04	-12.17	1.07	2.06	1.07	5.00	2.50	16.82	36.14	0.00	36.14	55.93	1.09	-0.01	5.00	0.73	2.00	2.25	39.90	-0.34	43.96	7.00
223	2.23	2.07	22.54	-12.08	1.09	2.07	1.09	5.00	2.50	16.85	36.31	0.00	36.31	55.94	1.11	-0.01	5.00	0.73	2.00	2.26	40.09	-0.33	43.75	7.00
224	2.24	2.08	23.27	-12.17	1.12	2.08	1.12	5.00	2.50	16.89	36.48	0.00	36.48	55.95	1.14	-0.01	5.00	0.73	2.00	2.26	40.29	-0.33	43.38	7.00
225	2.25	2.11	24.25	-12.08	1.15	2.11	1.15	5.00	2.50	16.94	36.65	0.00	36.65	56.51	1.17	-0.01	5.00	0.73	2.00	2.26	40.87	-0.33	43.16	7.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
226	2.26	2.16	24.97	-12.08	1.16	2.16	1.16	5.00	2.50	16.98	36.82	0.00	36.82	57.60	1.18	-0.01	5.00	0.73	2.00	2.25	41.86	-0.33	43.47	7.00
227	2.27	2.25	26.08	-11.98	1.16	2.25	1.16	5.00	2.48	17.05	36.99	0.00	36.99	59.77	1.18	-0.01	5.00	0.72	2.00	2.24	43.63	-0.32	44.15	7.00
228	2.28	2.29	26.49	-11.88	1.16	2.29	1.16	5.00	2.48	17.07	37.16	0.00	37.16	60.56	1.18	-0.01	5.00	0.72	2.00	2.23	44.42	-0.32	44.50	7.00
229	2.29	2.32	27.46	-11.88	1.18	2.32	1.18	5.00	2.48	17.12	37.33	0.00	37.33	61.08	1.20	-0.01	5.00	0.72	2.00	2.23	45.01	-0.32	44.29	7.00
230	2.30	2.32	27.71	-11.88	1.20	2.32	1.20	5.00	2.48	17.13	37.50	0.00	37.50	60.80	1.22	-0.01	5.00	0.72	2.00	2.24	45.00	-0.32	44.11	7.00
231	2.31	2.30	28.12	-11.88	1.22	2.30	1.22	5.00	2.49	17.14	37.67	0.00	37.67	59.99	1.24	-0.01	5.00	0.72	2.00	2.25	44.61	-0.32	43.51	7.00
232	2.32	2.26	29.48	-11.88	1.30	2.26	1.31	5.00	2.51	17.19	37.84	0.00	37.84	58.65	1.33	-0.01	5.00	0.73	2.00	2.27	43.81	-0.31	41.98	7.00
233	2.33	2.25	30.17	-11.88	1.34	2.25	1.34	5.00	2.52	17.22	38.02	0.00	38.02	58.12	1.37	-0.01	5.00	0.74	2.00	2.28	43.61	-0.31	41.38	7.00
234	2.34	2.24	30.84	-11.88	1.37	2.24	1.38	5.00	2.52	17.24	38.19	0.00	38.19	57.59	1.40	-0.01	5.00	0.74	2.00	2.29	43.41	-0.31	40.81	7.00
235	2.35	2.25	30.93	-11.88	1.38	2.25	1.38	5.00	2.52	17.25	38.36	0.00	38.36	57.59	1.40	-0.01	5.00	0.74	2.00	2.28	43.61	-0.31	40.90	7.00
236	2.36	2.26	31.09	-11.88	1.38	2.26	1.38	5.00	2.52	17.25	38.53	0.00	38.53	57.59	1.40	-0.01	5.00	0.74	2.00	2.28	43.80	-0.31	40.95	7.00
237	2.37	2.24	31.15	-11.88	1.39	2.24	1.39	5.00	2.53	17.25	38.71	0.00	38.71	56.81	1.42	-0.01	5.00	0.74	2.00	2.29	43.40	-0.31	40.61	7.00
238	2.38	2.25	31.81	-11.79	1.41	2.25	1.42	5.00	2.53	17.28	38.88	0.00	38.88	56.81	1.44	-0.01	5.00	0.74	2.00	2.29	43.60	-0.30	40.36	7.00
239	2.39	2.27	32.48	-11.79	1.43	2.27	1.43	5.00	2.53	17.31	39.05	0.00	39.05	57.07	1.46	-0.01	5.00	0.74	2.00	2.29	43.99	-0.30	40.26	7.00
240	2.40	2.31	32.89	-11.69	1.42	2.31	1.43	5.00	2.52	17.33	39.22	0.00	39.22	57.83	1.45	-0.01	5.00	0.74	2.00	2.28	44.77	-0.30	40.60	7.00
241	2.41	2.34	33.14	-11.69	1.41	2.34	1.42	5.00	2.51	17.34	39.40	0.00	39.40	58.33	1.44	-0.01	5.00	0.74	2.00	2.28	45.36	-0.30	40.88	7.00
242	2.42	2.38	33.42	-11.69	1.41	2.38	1.41	5.00	2.51	17.36	39.57	0.00	39.57	59.08	1.43	-0.01	5.00	0.73	2.00	2.27	46.04	-0.30	41.26	7.00
243	2.43	2.45	34.15	-11.60	1.40	2.45	1.40	5.00	2.49	17.39	39.75	0.00	39.75	60.58	1.42	0.00	5.00	0.73	1.98	2.26	47.10	-0.29	41.74	7.00
244	2.44	2.48	34.34	-11.60	1.39	2.48	1.39	5.00	2.49	17.40	39.92	0.00	39.92	61.06	1.41	0.00	5.00	0.73	1.97	2.26	47.47	-0.29	41.99	7.00
245	2.45	2.52	34.90	-11.60	1.39	2.52	1.39	5.00	2.48	17.43	40.09	0.00	40.09	61.79	1.41	0.00	5.00	0.73	1.96	2.25	48.03	-0.29	42.15	7.00
246	2.46	2.53	35.06	-11.60	1.38	2.53	1.39	5.00	2.48	17.44	40.27	0.00	40.27	61.77	1.41	0.00	5.00	0.73	1.96	2.25	48.07	-0.29	42.15	7.00
247	2.47	2.54	35.63	-11.50	1.40	2.54	1.40	5.00	2.48	17.46	40.44	0.00	40.44	61.75	1.43	0.00	5.00	0.73	1.95	2.25	48.16	-0.28	41.93	7.00
248	2.48	2.53	36.16	-11.50	1.43	2.53	1.43	5.00	2.49	17.47	40.62	0.00	40.62	61.23	1.45	0.00	5.00	0.73	1.95	2.26	47.93	-0.28	41.47	7.00
249	2.49	2.50	37.33	-11.50	1.49	2.50	1.49	5.00	2.50	17.50	40.79	0.00	40.79	60.23	1.52	0.00	5.00	0.74	1.96	2.28	47.45	-0.28	40.43	7.00
250	2.50	2.48	38.06	-11.50	1.53	2.48	1.54	5.00	2.51	17.52	40.97	0.00	40.97	59.48	1.56	0.00	5.00	0.74	1.96	2.29	47.08	-0.28	39.77	7.00
251	2.51	2.46	38.59	-11.50	1.57	2.46	1.57	5.00	2.52	17.53	41.14	0.00	41.14	58.73	1.60	0.00	5.00	0.75	1.96	2.30	46.68	-0.28	39.21	7.00
252	2.52	2.42	39.73	-11.50	1.64	2.42	1.64	4.00	2.54	17.56	41.32	0.00	41.32	57.51	1.67	0.00	5.00	0.75	1.96	2.31	46.03	-0.28	38.13	7.00
253	2.53	2.40	40.20	-11.50	1.67	2.40	1.68	4.00	2.55	17.57	41.49	0.00	41.49	56.78	1.71	0.00	5.00	0.76	1.96	2.32	45.63	-0.28	37.62	7.00
254	2.54	2.39	40.96	-11.50	1.71	2.39	1.72	4.00	2.55	17.59	41.67	0.00	41.67	56.30	1.75	0.00	5.00	0.76	1.96	2.33	45.41	-0.28	37.12	7.00
255	2.55	2.38	41.02	-11.50	1.72	2.38	1.73	4.00	2.56	17.59	41.85	0.00	41.85	55.82	1.76	0.00	5.00	0.76	1.96	2.33	45.13	-0.27	36.94	7.00
256	2.56	2.36	41.08	-11.50	1.74	2.36	1.74	4.00	2.56	17.59	42.02	0.00	42.02	55.10	1.77	0.00	5.00	0.76	1.96	2.34	44.70	-0.27	36.64	7.00
257	2.57	2.34	41.37	-11.50	1.76	2.34	1.77	4.00	2.57	17.60	42.20	0.00	42.20	54.40	1.80	-0.01	5.00	0.77	1.95	2.35	44.28	-0.27	36.23	7.00
258	2.58	2.29	41.81	-11.50	1.82	2.29	1.83	4.00	2.58	17.60	42.37	0.00	42.37	52.99	1.86	-0.01	5.00	0.77	1.96	2.36	43.40	-0.27	35.41	7.00
259	2.59	2.24	41.87	-11.60	1.87	2.24	1.87	4.00	2.60	17.59	42.55	0.00	42.55	51.59	1.91	-0.01	5.00	0.78	1.96	2.38	42.49	-0.27	34.75	7.00
260	2.60	2.14	41.49	-11.60	1.94	2.14	1.94	4.00	2.62	17.56	42.73	0.00	42.73	49.03	1.98	-0.01	5.00	0.79	1.97	2.40	40.75	-0.27	33.67	7.00
261	2.61	2.09	41.37	-11.60	1.98	2.09	1.98	4.00	2.64	17.55	42.90	0.00	42.90	47.66	2.02	-0.01	5.00	0.79	1.97	2.41	39.82	-0.27	33.09	7.00
262	2.62	1.99	40.39	-11.69	2.03	1.99	2.03	4.00	2.66	17.51	43.08	0.00	43.08	45.14	2.08	-0.01	5.00	0.80	1.98	2.44	38.03	-0.27	32.24	7.00
263	2.63	1.96	39.85	-11.60	2.03	1.96	2.04	4.00	2.67	17.48	43.25	0.00	43.25	44.26	2.08	-0.01	5.00	0.80	1.98	2.44	37.40	-0.27	32.06	7.00
264	2.64	1.89	39.16	-11.69	2.08	1.89	2.07	4.00	2.68	17.45	43.43	0.00	43.43	42.47	2.12	-0.01	5.00	0.81	1.98	2.46	36.11	-0.27	31.44	5.00
265	2.65	1.86	38.53	-11.69	2.07	1.86	2.07	4.00	2.69	17.43	43.60	0.00	43.60	41.60	2.12	-0.01	5.00	0.81	1.98	2.47	35.48	-0.27	31.29	5.00
266	2.66	1.82	36.67	-11.69	2.01	1.82	2.02	4.00	2.69	17.36	43.77	0.00	43.77	40.52	2.07	-0.01	5.00	0.81	1.98	2.47	34.60	-0.27	31.51	5.00
267	2.67	1.79	35.47	-11.69	1.98	1.79	1.98	4.00	2.69	17.32	43.95	0.00	43.95	39.68	2.03	-0.01	5.00	0.81	1.97	2.47	33.93	-0.27	31.60	5.00
268	2.68	1.78	33.71	-11.69	1.89	1.78	1.90	4.00	2.68	17.26	44.12	0.00	44.12	39.29	1.94	-0.01	5.00	0.81	1.96	2.46	33.54	-0.26	32.20	7.00
269	2.69	1.79	33.01	-11.69	1.85	1.79	1.85	4.00	2.67	17.23	44.29	0.00	44.29	39.36	1.89	-0.01	5.00	0.81	1.95	2.45	33.56	-0.26	32.62	7.00
270	2.70	1.81	31.56	-11.69	1.75	1.81	1.75	4.00	2.66	17.19	44.46	0.00	44.46	39.65	1.79	-0.01	5.00	0.80	1.93	2.44	33.67	-0.26	33.52	7.00

Via di Belvedere 11/B 55054 Bozzano - Massarosa (LU) T (+39)328.6122159 C. Fisc & Part. IVA 02589320460 info@geodeep.it

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
271	2.71	1.80	30.68	-11.69	1.70	1.80	1.71	4.00	2.65	17.15	44.63	0.00	44.63	39.27	1.75	-0.01	5.00	0.80	1.93	2.44	33.35	-0.26	33.77	7.00
272	2.72	1.83	29.35	-11.69	1.61	1.83	1.61	4.00	2.63	17.11	44.81	0.00	44.81	39.79	1.65	-0.01	5.00	0.79	1.91	2.42	33.62	-0.26	34.80	7.00
273	2.73	1.83	28.79	-11.69	1.57	1.83	1.58	4.00	2.63	17.08	44.98	0.00	44.98	39.63	1.62	-0.01	5.00	0.79	1.90	2.41	33.48	-0.26	35.05	7.00
274	2.74	1.84	27.40	-11.60	1.49	1.84	1.49	4.00	2.61	17.03	45.15	0.00	45.15	39.70	1.53	-0.01	5.00	0.79	1.89	2.40	33.43	-0.26	35.86	7.00
275	2.75	1.83	26.58	-11.60	1.45	1.83	1.45	4.00	2.61	16.99	45.32	0.00	45.32	39.33	1.49	-0.01	5.00	0.79	1.88	2.40	33.12	-0.26	36.12	7.00
276	2.76	1.82	25.76	-11.60	1.42	1.82	1.42	4.00	2.61	16.95	45.49	0.00	45.49	38.96	1.45	-0.01	5.00	0.79	1.88	2.39	32.81	-0.26	36.37	7.00
277	2.77	1.79	24.62	-11.69	1.38	1.79	1.38	4.00	2.61	16.90	45.66	0.00	45.66	38.15	1.41	-0.01	5.00	0.78	1.87	2.39	32.13	-0.26	36.50	7.00
278	2.78	1.78	24.03	-11.69	1.35	1.78	1.35	4.00	2.60	16.87	45.82	0.00	45.82	37.79	1.39	-0.01	5.00	0.78	1.86	2.39	31.84	-0.26	36.64	7.00
279	2.79	1.74	23.14	-11.69	1.33	1.74	1.33	4.00	2.61	16.81	45.99	0.00	45.99	36.78	1.37	-0.01	5.00	0.79	1.86	2.40	31.06	-0.25	36.50	7.00
280	2.80	1.72	22.67	-11.79	1.32	1.72	1.32	4.00	2.61	16.79	46.16	0.00	46.16	36.21	1.36	-0.01	5.00	0.79	1.86	2.40	30.63	-0.26	36.43	7.00
281	2.81	1.70	22.48	-11.79	1.32	1.70	1.32	4.00	2.62	16.77	46.33	0.00	46.33	35.64	1.36	-0.01	5.00	0.79	1.86	2.41	30.23	-0.25	36.19	7.00
282	2.82	1.68	22.35	-11.79	1.33	1.68	1.33	4.00	2.62	16.76	46.50	0.00	46.50	35.08	1.37	-0.01	5.00	0.79	1.85	2.41	29.84	-0.25	35.93	7.00
283	2.83	1.67	22.26	-11.79	1.34	1.67	1.33	4.00	2.62	16.75	46.66	0.00	46.66	34.74	1.37	-0.01	5.00	0.79	1.85	2.42	29.60	-0.25	35.79	7.00
284	2.84	1.65	22.35	-11.79	1.35	1.65	1.36	4.00	2.63	16.75	46.83	0.00	46.83	34.18	1.40	-0.01	5.00	0.80	1.85	2.42	29.22	-0.25	35.40	7.00
285	2.85	1.66	22.92	-11.79	1.38	1.66	1.38	4.00	2.63	16.78	47.00	0.00	47.00	34.27	1.42	-0.01	5.00	0.80	1.85	2.43	29.35	-0.25	35.20	7.00
286	2.86	1.67	23.02	-11.79	1.38	1.67	1.38	4.00	2.63	16.79	47.17	0.00	47.17	34.35	1.42	-0.01	5.00	0.80	1.84	2.43	29.43	-0.25	35.27	7.00
287	2.87	1.72	23.11	-11.69	1.34	1.72	1.35	4.00	2.62	16.81	47.33	0.00	47.33	35.29	1.38	-0.01	5.00	0.79	1.83	2.41	30.12	-0.25	35.93	7.00
288	2.88	1.74	23.40	-11.69	1.34	1.74	1.35	4.00	2.61	16.83	47.50	0.00	47.50	35.58	1.38	-0.01	5.00	0.79	1.82	2.41	30.37	-0.25	36.03	7.00
289	2.89	1.76	23.68	-11.60	1.35	1.76	1.35	4.00	2.61	16.84	47.67	0.00	47.67	35.87	1.38	-0.01	5.00	0.79	1.81	2.41	30.62	-0.24	36.14	7.00
290	2.90	1.79	23.81	-11.69	1.33	1.79	1.33	4.00	2.60	16.86	47.84	0.00	47.84	36.37	1.37	-0.01	5.00	0.79	1.81	2.40	31.00	-0.24	36.47	7.00
291	2.91	1.79	23.81	-11.69	1.33	1.79	1.33	4.00	2.60	16.86	48.01	0.00	48.01	36.23	1.37	-0.01	5.00	0.79	1.80	2.40	30.92	-0.24	36.43	7.00
292	2.92	1.79	23.81	-11.69	1.33	1.79	1.33	4.00	2.60	16.86	48.18	0.00	48.18	36.10	1.37	-0.01	5.00	0.79	1.80	2.40	30.85	-0.24	36.40	7.00
293	2.93	1.86	20.94	-11.50	1.12	1.86	1.13	5.00	2.55	16.72	48.34	0.00	48.34	37.42	1.16	-0.01	5.00	0.77	1.77	2.35	31.56	-0.24	39.01	6.00
294	2.94	1.88	21.16	-11.50	1.13	1.88	1.13	5.00	2.54	16.74	48.51	0.00	48.51	37.70	1.16	-0.01	5.00	0.77	1.76	2.35	31.80	-0.24	39.14	6.00
295	2.95	1.92	21.50	-11.41	1.12	1.92	1.12	5.00	2.53	16.77	48.68	0.00	48.68	38.39	1.15	-0.01	5.00	0.77	1.75	2.34	32.34	-0.23	39.50	6.00
296	2.96	1.95	21.69	-11.31	1.11	1.95	1.11	5.00	2.53	16.78	48.85	0.00	48.85	38.87	1.14	-0.01	5.00	0.76	1.75	2.34	32.72	-0.23	39.78	6.00
297	2.97	2.00	22.01	-11.31	1.10	2.00	1.10	5.00	2.51	16.81	49.01	0.00	49.01	39.76	1.13	-0.01	5.00	0.76	1.74	2.33	33.40	-0.23	40.29	6.00
298	2.98	2.16	22.26	-11.12	1.03	2.16	1.03	5.00	2.47	16.85	49.18	0.00	49.18	42.87	1.06	-0.01	5.00	0.74	1.71	2.29	35.65	-0.23	42.41	7.00
299	2.99	2.29	22.23	-11.02	0.97	2.29	0.97	5.00	2.44	16.87	49.35	0.00	49.35	45.35	0.99	0.00	5.00	0.73	1.69	2.25	37.42	-0.22	44.25	7.00
300	3.00	2.63	22.26	-10.73	0.85	2.63	0.85	5.00	2.35	16.93	49.52	0.00	49.52	52.06	0.86	0.00	5.00	0.70	1.66	2.18	42.12	-0.22	49.00	7.00
301	3.01	2.85	22.45	-10.54	0.79	2.85	0.79	5.00	2.31	16.97	49.69	0.00	49.69	56.31	0.80	0.00	5.00	0.69	1.63	2.14	45.09	-0.21	51.88	7.00
302	3.02	3.08	23.02	-10.45	0.75	3.08	0.75	5.00	2.27	17.03	49.86	0.00	49.86	60.73	0.76	0.00	5.00	0.67	1.61	2.10	48.19	-0.21	54.57	7.00
303	3.03	3.42	24.69	-10.16	0.72	3.42	0.72	5.00	2.22	17.15	50.03	0.00	50.03	67.31	0.73	0.00	6.00	0.66	1.59	2.06	52.87	-0.20	57.81	7.00
304	3.04	3.49	26.11	-10.06	0.75	3.49	0.75	5.00	2.22	17.22	50.20	0.00	50.20	68.47	0.76	0.00	6.00	0.66	1.59	2.06	53.87	-0.20	57.58	7.00
305	3.05	3.50	28.44	-10.06	0.81	3.50	0.81	5.00	2.24	17.32	50.38	0.00	50.38	68.43	0.82	0.00	5.00	0.67	1.59	2.08	54.16	-0.20	55.95	7.00
306	3.06	3.41	32.07	-10.06	0.94	3.41	0.94	5.00	2.28	17.45	50.55	0.00	50.55	66.41	0.96	0.00	5.00	0.68	1.61	2.12	53.21	-0.20	52.31	7.00
307	3.07	3.34	33.64	-9.97	1.01	3.34	1.01	5.00	2.30	17.49	50.73	0.00	50.73	64.80	1.02	0.00	5.00	0.69	1.61	2.14	52.30	-0.20	50.44	7.00
308	3.08	3.19	37.08	-10.06	1.16	3.19	1.16	5.00	2.35	17.59	50.90	0.00	50.90	61.63	1.18	0.00	5.00	0.71	1.63	2.19	50.44	-0.20	46.63	7.00
309	3.09	3.14	38.56	-9.97	1.23	3.14	1.23	5.00	2.37	17.63	51.08	0.00	51.08	60.43	1.25	0.00	5.00	0.72	1.63	2.21	49.76	-0.20	45.22	7.00
310	3.10	3.03	41.34	-9.97	1.36	3.03	1.37	5.00	2.41	17.69	51.26	0.00	51.26	58.07	1.39	0.00	5.00	0.73	1.65	2.25	48.34	-0.19	42.54	7.00
311	3.11	2.99	42.94	-9.97	1.44	2.99	1.44	5.00	2.43	17.73	51.43	0.00	51.43	57.09	1.46	0.00	5.00	0.74	1.65	2.26	47.79	-0.19	41.31	7.00
312	3.12	2.93	44.11	-9.97	1.51	2.93	1.51	5.00	2.45	17.76	51.61	0.00	51.61	55.73	1.53	0.00	5.00	0.75	1.65	2.28	46.92	-0.19	40.10	7.00
313	3.13	2.83	46.73	-9.97	1.65	2.83	1.65	5.00	2.48	17.81	51.79	0.00	51.79	53.60	1.68	0.00	5.00	0.76	1.66	2.32	45.58	-0.19	37.88	7.00
314	3.14	2.78	47.64	-9.97	1.71	2.78	1.71	5.00	2.50	17.82	51.97	0.00	51.97	52.45	1.75	0.00	5.00	0.76	1.67	2.33	44.82	-0.19	36.96	7.00
315	3.15	2.72	49.85	-9.97	1.83	2.72	1.83	4.00	2.52	17.87	52.15	0.00	52.15	51.12	1.87	0.00	5.00	0.77	1.67	2.36	44.00	-0.19	35.46	7.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
316	3.16	2.68	50.23	-9.97	1.88	2.68	1.88	4.00	2.53	17.87	52.33	0.00	52.33	50.18	1.91	0.00	5.00	0.78	1.67	2.37	43.35	-0.19	34.88	7.00
317	3.17	2.64	50.67	-9.97	1.92	2.64	1.92	4.00	2.55	17.88	52.50	0.00	52.50	49.24	1.96	0.00	5.00	0.78	1.67	2.38	42.70	-0.19	34.29	7.00
318	3.18	2.58	50.01	-9.97	1.93	2.58	1.94	4.00	2.56	17.85	52.68	0.00	52.68	47.93	1.98	0.00	5.00	0.79	1.67	2.39	41.71	-0.19	33.88	7.00
319	3.19	2.56	48.62	-9.97	1.90	2.56	1.90	4.00	2.55	17.82	52.86	0.00	52.86	47.39	1.94	0.00	5.00	0.79	1.67	2.39	41.25	-0.19	34.15	7.00
320	3.20	2.54	45.69	-9.97	1.80	2.54	1.80	4.00	2.54	17.74	53.04	0.00	53.04	46.85	1.84	0.00	5.00	0.78	1.66	2.38	40.71	-0.19	35.01	7.00
321	3.21	2.54	44.74	-9.97	1.76	2.54	1.76	4.00	2.54	17.72	53.22	0.00	53.22	46.69	1.80	0.00	5.00	0.78	1.65	2.38	40.56	-0.19	35.35	7.00
322	3.22	2.55	44.33	-9.97	1.74	2.55	1.74	4.00	2.53	17.71	53.39	0.00	53.39	46.72	1.78	0.00	5.00	0.78	1.65	2.37	40.58	-0.19	35.59	7.00
323	3.23	2.59	43.51	-9.87	1.68	2.59	1.68	4.00	2.52	17.69	53.57	0.00	53.57	47.31	1.72	0.00	5.00	0.78	1.64	2.36	40.99	-0.18	36.33	7.00
324	3.24	2.62	42.50	-9.87	1.62	2.62	1.62	5.00	2.51	17.67	53.75	0.00	53.75	47.71	1.66	0.00	5.00	0.77	1.63	2.35	41.26	-0.18	37.04	7.00
325	3.25	2.61	42.41	-9.87	1.62	2.61	1.63	5.00	2.51	17.67	53.92	0.00	53.92	47.36	1.66	0.00	5.00	0.77	1.63	2.35	41.02	-0.18	36.94	7.00
326	3.26	2.69	44.84	-9.78	1.67	2.69	1.67	5.00	2.50	17.74	54.10	0.00	54.10	48.68	1.70	0.00	5.00	0.77	1.62	2.35	42.17	-0.18	36.79	7.00
327	3.27	2.74	45.50	-9.78	1.66	2.74	1.66	5.00	2.50	17.77	54.28	0.00	54.28	49.44	1.70	0.00	5.00	0.77	1.62	2.34	42.79	-0.18	37.03	7.00
328	3.28	2.81	48.87	-9.68	1.74	2.81	1.74	5.00	2.50	17.86	54.46	0.00	54.46	50.56	1.77	0.00	5.00	0.77	1.61	2.35	43.84	-0.18	36.43	7.00
329	3.29	2.83	50.83	-9.68	1.80	2.83	1.80	5.00	2.50	17.91	54.64	0.00	54.64	50.76	1.83	0.00	5.00	0.77	1.61	2.35	44.12	-0.18	35.87	7.00
330	3.30	2.83	52.72	-9.58	1.87	2.83	1.86	4.00	2.51	17.95	54.81	0.00	54.81	50.59	1.90	0.00	5.00	0.78	1.61	2.36	44.11	-0.17	35.17	7.00
331	3.31	2.80	53.35	-9.58	1.90	2.80	1.91	4.00	2.52	17.96	54.99	0.00	54.99	49.88	1.94	0.00	5.00	0.78	1.61	2.37	43.62	-0.17	34.63	7.00
332	3.32	2.76	53.16	-9.58	1.93	2.76	1.93	4.00	2.53	17.95	55.17	0.00	55.17	48.99	1.97	0.00	5.00	0.78	1.61	2.38	42.96	-0.17	34.28	7.00
333	3.33	2.63	53.35	-9.68	2.03	2.63	2.03	4.00	2.56	17.93	55.35	0.00	55.35	46.48	2.07	0.00	5.00	0.80	1.62	2.41	41.07	-0.17	32.91	7.00
334	3.34	2.57	53.29	-9.68	2.07	2.57	2.08	4.00	2.58	17.92	55.53	0.00	55.53	45.24	2.12	0.00	5.00	0.80	1.62	2.42	40.14	-0.17	32.32	7.00
335	3.35	2.53	55.18	-9.58	2.18	2.53	2.18	4.00	2.59	17.96	55.71	0.00	55.71	44.38	2.23	0.00	5.00	0.81	1.62	2.44	39.57	-0.17	31.31	5.00
336	3.36	2.42	56.97	-9.58	2.35	2.42	2.36	4.00	2.63	17.98	55.89	0.00	55.89	42.26	2.41	0.00	4.00	0.82	1.63	2.48	38.01	-0.17	29.69	5.00
337	3.37	2.38	57.23	-9.68	2.40	2.38	2.41	4.00	2.64	17.98	56.07	0.00	56.07	41.41	2.46	0.00	4.00	0.83	1.63	2.49	37.36	-0.17	29.22	5.00
338	3.38	2.34	58.17	-9.68	2.48	2.34	2.49	4.00	2.66	17.99	56.25	0.00	56.25	40.56	2.55	0.00	4.00	0.83	1.63	2.50	36.74	-0.17	28.56	5.00
339	3.39	2.26	60.44	-9.68	2.68	2.26	2.68	4.00	2.69	18.02	56.43	0.00	56.43	39.01	2.75	0.00	4.00	0.84	1.64	2.54	35.61	-0.17	27.19	5.00
340	3.40	2.23	61.39	-9.68	2.76	2.23	2.76	4.00	2.70	18.03	56.61	0.00	56.61	38.36	2.83	0.00	4.00	0.85	1.64	2.55	35.13	-0.17	26.65	5.00
341	3.41	2.15	61.42	-9.68	2.85	2.15	2.86	4.00	2.72	18.02	56.79	0.00	56.79	36.82	2.94	0.00	4.00	0.86	1.64	2.57	33.91	-0.17	25.89	5.00
342	3.42	2.11	61.51	-9.78	2.91	2.11	2.92	4.00	2.73	18.01	56.97	0.00	56.97	36.00	3.00	0.00	4.00	0.86	1.64	2.58	33.26	-0.17	25.48	5.00
343	3.43	2.05	61.86	-9.78	3.02	2.05	3.02	4.00	2.75	18.01	57.15	0.00	57.15	34.83	3.11	0.00	4.00	0.87	1.65	2.60	32.35	-0.17	24.83	5.00
344	3.44	2.02	63.09	-9.78	3.12	2.02	3.13	4.00	2.77	18.02	57.33	0.00	57.33	34.20	3.22	0.00	4.00	0.88	1.65	2.62	31.87	-0.17	24.27	5.00
345	3.45	1.99	64.92	-9.78	3.26	1.99	3.27	4.00	2.78	18.05	57.51	0.00	57.51	33.57	3.36	-0.01	4.00	0.88	1.65	2.64	31.41	-0.17	23.58	5.00
346	3.46	1.92	68.51	-9.87	3.56	1.92	3.57	3.00	2.82	18.10	57.69	0.00	57.69	32.24	3.68	-0.01	4.00	0.90	1.66	2.67	30.42	-0.17	22.21	5.00
347	3.47	1.91	70.94	-9.78	3.72	1.91	3.72	3.00	2.83	18.14	57.88	0.00	57.88	31.97	3.83	-0.01	4.00	0.90	1.66	2.69	30.26	-0.17	21.64	3.00
348	3.48	1.85	75.42	-9.87	4.07	1.85	4.08	3.00	2.87	18.20	58.06	0.00	58.06	30.83	4.21	-0.01	4.00	0.92	1.67	2.72	29.42	-0.17	20.32	3.00
349	3.49	1.82	77.88	-9.78	4.28	1.82	4.28	3.00	2.89	18.23	58.24	0.00	58.24	30.22	4.43	-0.01	4.00	0.92	1.67	2.74	28.96	-0.17	19.66	3.00
350	3.50	1.79	79.96	-9.87	4.47	1.79	4.47	3.00	2.91	18.25	58.42	0.00	58.42	29.60	4.62	-0.01	3.00	0.93	1.67	2.76	28.49	-0.17	19.08	3.00
351	3.51	1.75	83.65	-9.87	4.78	1.75	4.79	3.00	2.93	18.29	58.60	0.00	58.60	28.83	4.95	-0.01	3.00	0.94	1.67	2.79	27.91	-0.17	18.21	3.00
352	3.52	1.75	85.13	-9.87	4.87	1.75	4.87	3.00	2.94	18.31	58.79	0.00	58.79	28.73	5.04	-0.01	3.00	0.94	1.67	2.79	27.86	-0.17	17.99	3.00
353	3.53	1.74	86.04	-9.78	4.94	1.74	4.95	3.00	2.94	18.32	58.97	0.00	58.97	28.47	5.12	-0.01	3.00	0.95	1.67	2.80	27.65	-0.17	17.79	3.00
354	3.54	1.71	86.83	-9.87	5.06	1.71	5.08	3.00	2.96	18.33	59.15	0.00	59.15	27.87	5.27	-0.01	3.00	0.95	1.67	2.81	27.15	-0.17	17.44	3.00
355	3.55	1.70	87.59	-9.87	5.14	1.70	5.16	3.00	2.96	18.34	59.34	0.00	59.34	27.61	5.35	-0.01	3.00	0.95	1.67	2.82	26.94	-0.17	17.26	3.00
356	3.56	1.73	88.25	-9.87	5.10	1.73	5.11	3.00	2.95	18.35	59.52	0.00	59.52	28.03	5.29	-0.01	3.00	0.95	1.66	2.81	27.31	-0.17	17.40	3.00
357	3.57	1.75	88.98	-9.87	5.09	1.75	5.09	3.00	2.95	18.37	59.71	0.00	59.71	28.28	5.27	-0.01	3.00	0.95	1.65	2.81	27.54	-0.17	17.45	3.00
358	3.58	1.76	89.26	-9.87	5.06	1.76	5.08	3.00	2.95	18.37	59.89	0.00	59.89	28.35	5.26	-0.01	3.00	0.95	1.65	2.81	27.61	-0.16	17.48	3.00
359	3.59	1.81	89.86	-9.87	4.98	1.81	4.97	3.00	2.93	18.39	60.07	0.00	60.07	29.10	5.14	-0.01	3.00	0.94	1.64	2.79	28.26	-0.16	17.77	3.00
360	3.60	1.83	90.30	-9.78	4.94	1.83	4.94	3.00	2.93	18.40	60.26	0.00	60.26	29.34	5.11	-0.01	3.00	0.94	1.63	2.79	28.48	-0.16	17.86	3.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
361	3.61	1.85	91.31	-9.87	4.94	1.85	4.94	3.00	2.92	18.42	60.44	0.00	60.44	29.57	5.11	-0.01	3.00	0.94	1.63	2.79	28.70	-0.16	17.87	3.00
362	3.62	1.85	92.48	-9.78	5.00	1.85	5.00	3.00	2.93	18.43	60.63	0.00	60.63	29.48	5.17	-0.01	3.00	0.94	1.62	2.79	28.64	-0.16	17.71	3.00
363	3.63	1.84	93.36	-9.87	5.07	1.84	5.08	3.00	2.93	18.44	60.81	0.00	60.81	29.22	5.25	-0.01	3.00	0.95	1.62	2.80	28.43	-0.16	17.52	3.00
364	3.64	1.84	93.61	-9.78	5.10	1.84	5.09	3.00	2.93	18.44	60.99	0.00	60.99	29.13	5.27	-0.01	3.00	0.95	1.62	2.80	28.36	-0.16	17.48	3.00
365	3.65	1.83	93.77	-9.78	5.13	1.83	5.13	3.00	2.94	18.44	61.18	0.00	61.18	28.88	5.31	-0.01	3.00	0.95	1.61	2.80	28.14	-0.16	17.39	3.00
366	3.66	1.79	93.83	-9.87	5.23	1.79	5.25	3.00	2.95	18.43	61.36	0.00	61.36	28.14	5.43	-0.01	3.00	0.95	1.61	2.82	27.50	-0.16	17.09	3.00
367	3.67	1.78	93.99	-9.87	5.28	1.78	5.29	3.00	2.95	18.43	61.55	0.00	61.55	27.89	5.48	-0.01	3.00	0.96	1.61	2.82	27.29	-0.16	16.99	3.00
368	3.68	1.74	95.95	-9.97	5.53	1.74	5.52	3.00	2.97	18.45	61.73	0.00	61.73	27.15	5.72	-0.01	3.00	0.96	1.61	2.84	26.68	-0.16	16.47	3.00
369	3.69	1.71	96.67	-9.97	5.64	1.71	5.66	3.00	2.99	18.45	61.92	0.00	61.92	26.58	5.87	-0.01	3.00	0.97	1.61	2.86	26.19	-0.16	16.17	3.00
370	3.70	1.70	97.74	-10.06	5.76	1.70	5.76	3.00	2.99	18.46	62.10	0.00	62.10	26.34	5.98	-0.01	3.00	0.97	1.61	2.87	25.99	-0.16	15.97	3.00
371	3.71	1.67	98.85	-10.35	5.93	1.67	5.93	3.00	3.01	18.47	62.29	0.00	62.29	25.78	6.16	-0.01	3.00	0.98	1.61	2.88	25.50	-0.17	15.64	3.00
372	3.72	1.67	99.51	-10.45	5.97	1.67	5.97	3.00	3.01	18.48	62.47	0.00	62.47	25.70	6.20	-0.01	3.00	0.98	1.61	2.88	25.44	-0.17	15.56	3.00
373	3.73	1.67	99.92	-10.64	5.98	1.67	5.99	3.00	3.01	18.48	62.65	0.00	62.65	25.62	6.23	-0.01	3.00	0.98	1.60	2.89	25.38	-0.17	15.52	3.00
374	3.74	1.68	100.08	-13.23	5.97	1.68	5.97	3.00	3.01	18.48	62.84	0.00	62.84	25.69	6.20	-0.01	3.00	0.98	1.60	2.88	25.44	-0.21	15.56	3.00
375	3.75	1.67	100.71	-14.18	6.02	1.67	6.04	3.00	3.01	18.49	63.02	0.00	63.02	25.45	6.28	-0.01	3.00	0.98	1.59	2.89	25.23	-0.22	15.42	3.00
376	3.76	1.66	102.44	-16.77	6.17	1.66	6.18	3.00	3.02	18.51	63.21	0.00	63.21	25.21	6.43	-0.01	3.00	0.99	1.59	2.90	25.04	-0.27	15.17	3.00
377	3.77	1.66	102.76	-17.06	6.19	1.66	6.20	3.00	3.02	18.51	63.39	0.00	63.39	25.13	6.45	-0.01	3.00	0.99	1.59	2.90	24.97	-0.27	15.13	3.00
378	3.78	1.64	102.60	-8.63	6.24	1.64	6.26	3.00	3.03	18.50	63.58	0.00	63.58	24.77	6.52	-0.01	3.00	0.99	1.59	2.91	24.64	-0.14	15.02	3.00
379	3.79	1.64	102.85	-9.20	6.25	1.64	6.28	3.00	3.03	18.51	63.76	0.00	63.76	24.69	6.53	-0.01	3.00	0.99	1.58	2.91	24.58	-0.14	15.00	3.00
380	3.80	1.64	102.79	-9.78	6.25	1.64	6.28	3.00	3.03	18.51	63.95	0.00	63.95	24.61	6.53	-0.01	3.00	0.99	1.58	2.91	24.51	-0.15	15.00	3.00
381	3.81	1.66	102.47	-8.24	6.17	1.66	6.18	3.00	3.02	18.51	64.14	0.00	64.14	24.86	6.43	-0.01	3.00	0.99	1.57	2.90	24.72	-0.13	15.17	3.00
382	3.82	1.68	102.44	-8.15	6.09	1.68	6.10	3.00	3.01	18.51	64.32	0.00	64.32	25.09	6.35	-0.01	3.00	0.99	1.56	2.90	24.93	-0.13	15.30	3.00
383	3.83	1.70	102.31	-8.05	6.01	1.70	6.02	3.00	3.01	18.51	64.51	0.00	64.51	25.33	6.26	0.00	3.00	0.98	1.56	2.89	25.13	-0.12	15.45	3.00
384	3.84	1.75	103.70	-10.06	5.94	1.75	5.93	3.00	2.99	18.54	64.69	0.00	64.69	26.02	6.16	-0.01	3.00	0.98	1.55	2.88	25.77	-0.16	15.64	3.00
385	3.85	1.77	103.80	-12.27	5.85	1.77	5.87	3.00	2.99	18.55	64.88	0.00	64.88	26.24	6.10	-0.01	3.00	0.98	1.55	2.87	25.97	-0.19	15.75	3.00
386	3.86	1.78	102.60	-16.20	5.75	1.78	5.78	3.00	2.98	18.54	65.06	0.00	65.06	26.31	5.99	-0.01	3.00	0.97	1.54	2.87	26.01	-0.25	15.94	3.00
387	3.87	1.79	102.60	-16.48	5.73	1.79	5.74	3.00	2.98	18.54	65.25	0.00	65.25	26.38	5.96	-0.01	3.00	0.97	1.53	2.86	26.07	-0.25	16.00	3.00
388	3.88	1.77	103.35	-17.83	5.83	1.77	5.85	3.00	2.99	18.54	65.43	0.00	65.43	25.99	6.08	-0.01	3.00	0.98	1.53	2.87	25.73	-0.27	15.79	3.00
389	3.89	1.78	103.86	-19.74	5.84	1.78	5.85	3.00	2.98	18.55	65.62	0.00	65.62	26.06	6.07	-0.01	3.00	0.98	1.53	2.87	25.80	-0.30	15.79	3.00
390	3.90	1.78	103.99	-20.51	5.85	1.78	5.86	3.00	2.98	18.55	65.80	0.00	65.80	25.98	6.08	-0.01	3.00	0.98	1.52	2.87	25.73	-0.31	15.78	3.00
391	3.91	1.78	103.99	-20.51	5.85	1.78	5.86	3.00	2.98	18.55	65.99	0.00	65.99	25.91	6.08	-0.01	3.00	0.98	1.52	2.87	25.66	-0.31	15.77	3.00
392	3.92	1.78	103.99	-20.51	5.85	1.78	5.86	3.00	2.98	18.55	66.17	0.00	66.17	25.83	6.08	-0.01	3.00	0.98	1.52	2.88	25.60	-0.31	15.77	3.00
393	3.93	2.02	86.80	-11.31	4.29	2.02	4.30	3.00	2.85	18.39	66.36	0.00	66.36	29.41	4.45	-0.01	3.00	0.93	1.48	2.75	28.54	-0.17	19.57	3.00
394	3.94	2.09	85.10	-10.64	4.08	2.09	4.08	3.00	2.83	18.38	66.54	0.00	66.54	30.38	4.21	-0.01	4.00	0.92	1.47	2.72	29.37	-0.16	20.33	3.00
395	3.95	2.23	82.77	-11.21	3.71	2.23	3.72	4.00	2.78	18.37	66.73	0.00	66.73	32.39	3.83	-0.01	4.00	0.90	1.46	2.68	31.10	-0.17	21.73	3.00
396	3.96	2.31	82.45	-10.93	3.57	2.31	3.57	4.00	2.76	18.38	66.91	0.00	66.91	33.49	3.68	0.00	4.00	0.89	1.45	2.65	32.06	-0.16	22.38	5.00
397	3.97	2.38	82.48	-11.69	3.46	2.38	3.47	4.00	2.74	18.40	67.09	0.00	67.09	34.44	3.57	-0.01	4.00	0.89	1.44	2.64	32.89	-0.17	22.88	5.00
398	3.98	2.52	83.08	-14.18	3.30	2.52	3.30	4.00	2.71	18.43	67.28	0.00	67.28	36.41	3.39	-0.01	4.00	0.88	1.43	2.61	34.62	-0.21	23.81	5.00
399	3.99	2.56	84.00	-12.56	3.28	2.56	3.28	4.00	2.70	18.44	67.46	0.00	67.46	36.91	3.37	-0.01	4.00	0.87	1.43	2.60	35.07	-0.19	23.93	5.00
400	4.00	2.63	86.96	-9.78	3.31	2.63	3.31	4.00	2.69	18.50	67.65	0.00	67.65	37.85	3.40	0.00	4.00	0.87	1.42	2.59	35.94	-0.14	23.92	5.00
401	4.01	2.64	89.17	-8.05	3.37	2.64	3.38	4.00	2.70	18.53	67.83	0.00	67.83	37.89	3.47	0.00	4.00	0.87	1.42	2.60	36.03	-0.12	23.61	5.00
402	4.02	2.64	91.78	-9.01	3.48	2.64	3.48	4.00	2.71	18.56	68.02	0.00	68.02	37.79	3.57	0.00	4.00	0.88	1.42	2.61	35.99	-0.13	23.17	5.00
403	4.03	2.63	97.05	-20.32	3.69	2.63	3.70	4.00	2.72	18.62	68.20	0.00	68.20	37.50	3.79	-0.01	4.00	0.89	1.42	2.63	35.83	-0.30	22.25	5.00
404	4.04	2.61	98.31	-24.44	3.76	2.60	3.77	4.00	2.73	18.63	68.39	0.00	68.39	37.09	3.88	-0.01	4.00	0.89	1.42	2.64	35.50	-0.36	21.92	3.00
405	4.05	2.58	99.10	-25.49	3.83	2.57	3.85	4.00	2.74	18.64	68.58	0.00	68.58	36.54	3.95	-0.01	4.00	0.89	1.42	2.65	35.05	-0.37	21.60	3.00

Via di Belvedere 11/B 55054 Bozzano - Massarosa (LU) T (+39)328.6122159 C. Fisc & Part. IVA 02589320460 info@geodeep.it

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
406	4.06	2.51	102.00	-24.54	4.06	2.50	4.07	4.00	2.77	18.66	68.76	0.00	68.76	35.43	4.19	-0.01	4.00	0.90	1.42	2.67	34.11	-0.36	20.73	3.00
407	4.07	2.47	104.33	-24.73	4.22	2.46	4.23	3.00	2.78	18.68	68.95	0.00	68.95	34.75	4.35	-0.01	4.00	0.91	1.42	2.69	33.55	-0.36	20.15	3.00
408	4.08	2.39	107.26	-20.70	4.48	2.39	4.50	3.00	2.81	18.70	69.14	0.00	69.14	33.51	4.63	-0.01	4.00	0.92	1.42	2.72	32.50	-0.30	19.28	3.00
409	4.09	2.36	108.68	-18.98	4.60	2.36	4.61	3.00	2.82	18.71	69.32	0.00	69.32	32.99	4.75	-0.01	3.00	0.92	1.42	2.73	32.06	-0.27	18.91	3.00
410	4.10	2.29	109.72	-17.73	4.79	2.29	4.80	3.00	2.85	18.71	69.51	0.00	69.51	31.89	4.95	-0.01	3.00	0.93	1.42	2.75	31.10	-0.26	18.35	3.00
411	4.11	2.26	109.06	-15.91	4.82	2.26	4.83	3.00	2.85	18.70	69.70	0.00	69.70	31.38	4.99	-0.01	3.00	0.94	1.42	2.76	30.63	-0.23	18.24	3.00
412	4.12	2.20	105.88	-11.69	4.81	2.20	4.82	3.00	2.86	18.65	69.89	0.00	69.89	30.45	4.98	-0.01	3.00	0.94	1.42	2.77	29.76	-0.17	18.23	3.00
413	4.13	2.17	103.23	-7.57	4.76	2.17	4.76	3.00	2.86	18.62	70.07	0.00	70.07	29.95	4.92	0.00	3.00	0.94	1.41	2.77	29.29	-0.11	18.35	3.00
414	4.14	2.12	100.49	-4.79	4.74	2.12	4.74	3.00	2.87	18.58	70.26	0.00	70.26	29.16	4.90	0.00	3.00	0.94	1.41	2.78	28.55	-0.07	18.35	3.00
415	4.15	2.06	93.96	-4.79	4.56	2.06	4.56	3.00	2.86	18.49	70.44	0.00	70.44	28.23	4.73	0.00	3.00	0.94	1.41	2.78	27.64	-0.07	18.76	3.00
416	4.16	2.02	90.30	-4.60	4.46	2.02	4.47	3.00	2.87	18.44	70.63	0.00	70.63	27.59	4.63	0.00	3.00	0.94	1.41	2.78	27.03	-0.07	18.96	3.00
417	4.17	2.00	86.23	-4.22	4.31	2.00	4.31	3.00	2.86	18.38	70.81	0.00	70.81	27.23	4.47	0.00	3.00	0.94	1.40	2.77	26.66	-0.06	19.37	3.00
418	4.18	1.96	78.64	-4.60	4.01	1.96	4.01	3.00	2.84	18.27	70.99	0.00	70.99	26.59	4.17	0.00	4.00	0.94	1.40	2.76	26.00	-0.06	20.19	3.00
419	4.19	1.94	76.37	-4.60	3.93	1.94	3.94	3.00	2.84	18.23	71.18	0.00	71.18	26.24	4.09	0.00	4.00	0.94	1.39	2.76	25.65	-0.06	20.39	3.00
420	4.20	1.95	71.51	-4.31	3.67	1.95	3.67	3.00	2.82	18.16	71.36	0.00	71.36	26.31	3.81	0.00	4.00	0.93	1.38	2.74	25.66	-0.06	21.26	3.00
421	4.21	1.98	70.00	-5.75	3.54	1.98	3.54	4.00	2.81	18.14	71.54	0.00	71.54	26.66	3.67	0.00	4.00	0.92	1.38	2.72	25.95	-0.08	21.76	3.00
422	4.22	2.00	68.48	-6.04	3.43	2.00	3.43	4.00	2.79	18.12	71.72	0.00	71.72	26.87	3.55	0.00	4.00	0.92	1.37	2.71	26.12	-0.08	22.18	5.00
423	4.23	2.03	65.74	-5.65	3.24	2.03	3.24	4.00	2.77	18.07	71.90	0.00	71.90	27.22	3.36	0.00	4.00	0.91	1.37	2.69	26.40	-0.08	22.94	5.00
424	4.24	2.05	66.28	-6.52	3.24	2.05	3.24	4.00	2.77	18.09	72.08	0.00	72.08	27.42	3.35	0.00	4.00	0.91	1.36	2.69	26.60	-0.09	22.99	5.00
425	4.25	2.07	66.40	-7.95	3.20	2.07	3.21	4.00	2.77	18.09	72.26	0.00	72.26	27.62	3.33	0.00	4.00	0.91	1.36	2.68	26.78	-0.11	23.12	5.00
426	4.26	2.13	68.45	-6.04	3.21	2.13	3.22	4.00	2.76	18.14	72.44	0.00	72.44	28.38	3.33	0.00	4.00	0.91	1.35	2.68	27.50	-0.08	23.21	5.00
427	4.27	2.18	69.52	-7.76	3.18	2.18	3.19	4.00	2.75	18.17	72.62	0.00	72.62	28.99	3.30	0.00	4.00	0.90	1.35	2.67	28.06	-0.11	23.40	5.00
428	4.28	2.29	72.49	-7.76	3.17	2.29	3.17	4.00	2.73	18.23	72.81	0.00	72.81	30.43	3.27	0.00	4.00	0.90	1.34	2.65	29.40	-0.11	23.71	5.00
429	4.29	2.34	73.09	-7.38	3.12	2.34	3.13	4.00	2.72	18.25	72.99	0.00	72.99	31.04	3.23	0.00	4.00	0.89	1.34	2.64	29.95	-0.10	23.98	5.00
430	4.30	2.45	72.01	-4.60	2.94	2.45	2.94	4.00	2.68	18.25	73.17	0.00	73.17	32.47	3.03	0.00	4.00	0.88	1.33	2.61	31.22	-0.06	25.04	5.00
431	4.31	2.49	71.92	-3.55	2.88	2.49	2.89	4.00	2.67	18.26	73.35	0.00	73.35	32.93	2.98	0.00	4.00	0.88	1.33	2.60	31.64	-0.05	25.36	5.00
432	4.32	2.57	73.72	-2.49	2.86	2.57	2.87	4.00	2.66	18.30	73.54	0.00	73.54	33.94	2.95	0.00	4.00	0.87	1.32	2.59	32.57	-0.03	25.61	5.00
433	4.33	2.61	75.45	-2.40	2.89	2.61	2.89	4.00	2.66	18.33	73.72	0.00	73.72	34.40	2.98	0.00	4.00	0.87	1.32	2.58	33.01	-0.03	25.57	5.00
434	4.34	2.64	76.84	-2.40	2.91	2.64	2.91	4.00	2.66	18.35	73.90	0.00	73.90	34.71	3.00	0.00	4.00	0.87	1.32	2.58	33.33	-0.03	25.51	5.00
435	4.35	2.71	78.23	-2.88	2.88	2.71	2.89	4.00	2.65	18.39	74.09	0.00	74.09	35.57	2.97	0.00	4.00	0.87	1.31	2.57	34.12	-0.04	25.76	5.00
436	4.36	2.75	77.94	-3.07	2.83	2.75	2.83	4.00	2.64	18.39	74.27	0.00	74.27	36.02	2.91	0.00	4.00	0.86	1.31	2.56	34.52	-0.04	26.10	5.00
437	4.37	2.78	76.84	-3.26	2.77	2.78	2.76	4.00	2.62	18.37	74.46	0.00	74.46	36.33	2.84	0.00	4.00	0.86	1.30	2.55	34.79	-0.04	26.53	5.00
438	4.38	2.80	73.62	-3.26	2.63	2.80	2.63	4.00	2.61	18.33	74.64	0.00	74.64	36.50	2.70	0.00	4.00	0.85	1.30	2.54	34.91	-0.04	27.33	5.00
439	4.39	2.79	71.29	-3.16	2.55	2.79	2.56	4.00	2.60	18.29	74.82	0.00	74.82	36.28	2.63	0.00	4.00	0.85	1.29	2.53	34.69	-0.04	27.74	5.00
440	4.40	2.74	67.54	-2.88	2.47	2.74	2.47	4.00	2.60	18.22	75.00	0.00	75.00	35.52	2.53	0.00	4.00	0.85	1.29	2.53	33.96	-0.04	28.16	5.00
441	4.41	2.70	66.69	-2.97	2.47	2.70	2.47	4.00	2.60	18.20	75.19	0.00	75.19	34.90	2.54	0.00	4.00	0.85	1.29	2.54	33.41	-0.04	28.02	5.00
442	4.42	2.67	65.65	-3.07	2.46	2.67	2.46	4.00	2.61	18.18	75.37	0.00	75.37	34.42	2.53	0.00	4.00	0.85	1.29	2.54	32.97	-0.04	28.00	5.00
443	4.43	2.58	64.54	-2.97	2.50	2.58	2.50	4.00	2.62	18.14	75.55	0.00	75.55	33.14	2.58	0.00	4.00	0.86	1.29	2.56	31.82	-0.04	27.51	5.00
444	4.44	2.55	64.29	-2.97	2.52	2.55	2.52	4.00	2.63	18.14	75.73	0.00	75.73	32.66	2.60	0.00	4.00	0.86	1.29	2.56	31.39	-0.04	27.31	5.00
445	4.45	2.45	63.75	-2.78	2.60	2.45	2.60	4.00	2.65	18.11	75.91	0.00	75.91	31.27	2.69	0.00	4.00	0.87	1.29	2.59	30.14	-0.04	26.59	5.00
446	4.46	2.41	63.19	-2.88	2.62	2.41	2.62	4.00	2.66	18.09	76.09	0.00	76.09	30.66	2.71	0.00	4.00	0.88	1.29	2.59	29.59	-0.04	26.37	5.00
447	4.47	2.36	62.65	-2.68	2.65	2.36	2.66	4.00	2.67	18.08	76.27	0.00	76.27	29.93	2.74	0.00	4.00	0.88	1.28	2.60	28.93	-0.04	26.06	5.00
448	4.48	2.28	61.99	-2.68	2.72	2.28	2.72	4.00	2.69	18.05	76.45	0.00	76.45	28.81	2.81	0.00	4.00	0.89	1.28	2.62	27.92	-0.04	25.52	5.00
449	4.49	2.23	60.92	-2.59	2.73	2.23	2.73	4.00	2.70	18.02	76.63	0.00	76.63	28.09	2.83	0.00	4.00	0.89	1.28	2.63	27.25	-0.03	25.32	5.00
450	4.50	2.20	59.50	-2.68	2.71	2.20	2.71	4.00	2.70	17.99	76.81	0.00	76.81	27.63	2.80	0.00	4.00	0.89	1.28	2.64	26.82	-0.03	25.36	5.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
451	4.51	2.15	57.48	-2.59	2.68	2.15	2.67	4.00	2.70	17.94	76.99	0.00	76.99	26.92	2.77	0.00	4.00	0.89	1.28	2.64	26.15	-0.03	25.36	5.00
452	4.52	2.13	56.85	-2.68	2.67	2.13	2.67	4.00	2.71	17.93	77.17	0.00	77.17	26.59	2.77	0.00	4.00	0.90	1.28	2.65	25.85	-0.03	25.32	5.00
453	4.53	2.09	55.56	-2.59	2.66	2.09	2.66	4.00	2.71	17.89	77.35	0.00	77.35	26.01	2.76	0.00	4.00	0.90	1.27	2.65	25.31	-0.03	25.24	5.00
454	4.54	2.08	54.52	-2.59	2.62	2.08	2.62	4.00	2.71	17.87	77.53	0.00	77.53	25.82	2.72	0.00	4.00	0.90	1.27	2.65	25.13	-0.03	25.38	5.00
455	4.55	2.06	51.87	-2.49	2.52	2.06	2.52	4.00	2.70	17.81	77.71	0.00	77.71	25.50	2.62	0.00	4.00	0.90	1.27	2.64	24.81	-0.03	25.80	5.00
456	4.56	2.05	50.35	-2.49	2.46	2.05	2.46	4.00	2.70	17.77	77.89	0.00	77.89	25.31	2.55	0.00	4.00	0.89	1.27	2.64	24.62	-0.03	26.05	5.00
457	4.57	2.05	48.71	-2.59	2.38	2.05	2.38	4.00	2.69	17.73	78.06	0.00	78.06	25.25	2.47	0.00	4.00	0.89	1.26	2.63	24.55	-0.03	26.44	5.00
458	4.58	2.05	46.03	-2.59	2.25	2.05	2.25	4.00	2.67	17.67	78.24	0.00	78.24	25.19	2.34	0.00	4.00	0.89	1.26	2.62	24.46	-0.03	27.11	5.00
459	4.59	2.04	44.71	-2.49	2.19	2.04	2.19	4.00	2.67	17.63	78.42	0.00	78.42	25.01	2.28	0.00	4.00	0.88	1.25	2.61	24.28	-0.03	27.35	5.00
460	4.60	2.05	42.57	-2.68	2.08	2.05	2.08	4.00	2.65	17.58	78.59	0.00	78.59	25.08	2.16	0.00	4.00	0.88	1.25	2.60	24.32	-0.03	28.01	5.00
461	4.61	2.05	41.68	-2.78	2.03	2.05	2.03	4.00	2.65	17.55	78.77	0.00	78.77	25.02	2.12	0.00	4.00	0.88	1.25	2.60	24.26	-0.04	28.24	5.00
462	4.62	2.06	40.01	-2.97	1.94	2.06	1.94	4.00	2.64	17.51	78.94	0.00	78.94	25.09	2.02	0.00	4.00	0.87	1.24	2.58	24.31	-0.04	28.80	5.00
463	4.63	2.07	39.25	-3.07	1.90	2.07	1.90	4.00	2.63	17.49	79.12	0.00	79.12	25.16	1.97	0.00	4.00	0.87	1.24	2.58	24.36	-0.04	29.11	5.00
464	4.64	2.07	38.84	-3.26	1.87	2.07	1.88	4.00	2.63	17.48	79.29	0.00	79.29	25.10	1.95	0.00	4.00	0.87	1.24	2.57	24.31	-0.04	29.21	5.00
465	4.65	2.07	38.18	-3.16	1.85	2.07	1.85	4.00	2.62	17.46	79.47	0.00	79.47	25.04	1.92	0.00	4.00	0.87	1.24	2.57	24.25	-0.04	29.39	5.00
466	4.66	2.07	38.06	-3.16	1.84	2.07	1.84	4.00	2.62	17.45	79.64	0.00	79.64	24.98	1.91	0.00	4.00	0.87	1.23	2.57	24.21	-0.04	29.41	5.00
467	4.67	2.07	38.34	-3.26	1.85	2.07	1.85	4.00	2.62	17.46	79.82	0.00	79.82	24.93	1.93	0.00	4.00	0.87	1.23	2.57	24.16	-0.04	29.31	5.00
468	4.68	2.07	38.02	-3.26	1.84	2.07	1.84	4.00	2.62	17.45	79.99	0.00	79.99	24.87	1.91	0.00	4.00	0.87	1.23	2.57	24.11	-0.04	29.39	5.00
469	4.69	2.06	38.09	-3.45	1.85	2.06	1.85	4.00	2.62	17.45	80.17	0.00	80.17	24.69	1.92	0.00	4.00	0.87	1.23	2.58	23.95	-0.04	29.24	5.00
470	4.70	2.04	38.02	-3.35	1.86	2.04	1.86	4.00	2.63	17.45	80.34	0.00	80.34	24.38	1.94	0.00	4.00	0.87	1.22	2.58	23.68	-0.04	29.04	5.00
471	4.71	2.03	38.12	-3.45	1.87	2.03	1.88	4.00	2.63	17.45	80.51	0.00	80.51	24.20	1.96	0.00	4.00	0.88	1.22	2.59	23.52	-0.04	28.89	5.00
472	4.72	2.02	37.96	-3.35	1.88	2.02	1.88	4.00	2.64	17.44	80.69	0.00	80.69	24.03	1.96	0.00	4.00	0.88	1.22	2.59	23.36	-0.04	28.82	5.00
473	4.73	2.01	37.55	-3.45	1.87	2.01	1.87	4.00	2.64	17.43	80.86	0.00	80.86	23.85	1.95	0.00	4.00	0.88	1.22	2.59	23.19	-0.04	28.82	5.00
474	4.74	1.99	37.14	-3.07	1.86	1.99	1.87	4.00	2.64	17.41	81.04	0.00	81.04	23.55	1.95	0.00	4.00	0.88	1.22	2.59	22.92	-0.04	28.72	5.00
475	4.75	1.98	36.80	-3.16	1.86	1.98	1.86	4.00	2.64	17.40	81.21	0.00	81.21	23.37	1.94	0.00	4.00	0.88	1.21	2.60	22.76	-0.04	28.70	5.00
476	4.76	1.96	36.16	-2.78	1.85	1.96	1.85	4.00	2.64	17.37	81.38	0.00	81.38	23.08	1.93	0.00	4.00	0.88	1.21	2.60	22.48	-0.03	28.67	5.00
477	4.77	1.96	35.82	-2.68	1.83	1.96	1.83	4.00	2.64	17.36	81.56	0.00	81.56	23.02	1.91	0.00	4.00	0.88	1.21	2.60	22.43	-0.03	28.75	5.00
478	4.78	1.95	35.12	-2.49	1.80	1.95	1.80	4.00	2.64	17.34	81.73	0.00	81.73	22.85	1.88	0.00	4.00	0.88	1.21	2.60	22.27	-0.03	28.84	4.00
479	4.79	1.96	34.87	-2.49	1.78	1.96	1.78	4.00	2.63	17.33	81.91	0.00	81.91	22.92	1.86	0.00	4.00	0.88	1.21	2.59	22.34	-0.03	29.01	4.00
480	4.80	1.97	34.05	-2.40	1.73	1.97	1.73	4.00	2.62	17.31	82.08	0.00	82.08	23.00	1.80	0.00	4.00	0.87	1.20	2.58	22.40	-0.03	29.34	4.00
481	4.81	1.98	33.45	-2.40	1.69	1.98	1.69	4.00	2.62	17.29	82.25	0.00	82.25	23.07	1.76	0.00	4.00	0.87	1.20	2.58	22.46	-0.03	29.62	4.00
482	4.82	1.98	33.01	-2.20	1.67	1.98	1.67	4.00	2.61	17.27	82.42	0.00	82.42	23.02	1.74	0.00	4.00	0.87	1.20	2.57	22.41	-0.03	29.74	4.00
483	4.83	1.99	32.76	-2.30	1.65	1.99	1.65	4.00	2.61	17.27	82.60	0.00	82.60	23.09	1.72	0.00	4.00	0.87	1.19	2.57	22.48	-0.03	29.90	4.00
484	4.84	1.99	32.57	-2.30	1.64	1.99	1.64	4.00	2.61	17.26	82.77	0.00	82.77	23.04	1.71	0.00	4.00	0.87	1.19	2.57	22.44	-0.03	29.94	4.00
485	4.85	1.99	32.26	-2.30	1.62	1.99	1.62	4.00	2.60	17.25	82.94	0.00	82.94	22.99	1.69	0.00	4.00	0.87	1.19	2.57	22.39	-0.03	30.02	4.00
486	4.86	1.99	32.03	-2.20	1.61	1.99	1.61	4.00	2.60	17.24	83.11	0.00	83.11	22.94	1.68	0.00	4.00	0.87	1.19	2.57	22.35	-0.03	30.08	4.00
487	4.87	1.99	31.91	-2.20	1.60	1.99	1.60	4.00	2.60	17.24	83.29	0.00	83.29	22.89	1.67	0.00	4.00	0.87	1.19	2.57	22.31	-0.03	30.10	4.00
488	4.88	2.02	32.48	-2.20	1.61	2.02	1.61	4.00	2.60	17.26	83.46	0.00	83.46	23.20	1.68	0.00	4.00	0.87	1.18	2.56	22.61	-0.03	30.21	4.00
489	4.89	2.03	32.63	-2.20	1.61	2.03	1.61	4.00	2.60	17.27	83.63	0.00	83.63	23.27	1.68	0.00	4.00	0.87	1.18	2.56	22.68	-0.03	30.25	4.00
490	4.90	2.05	32.66	-2.20	1.60	2.05	1.59	4.00	2.59	17.27	83.80	0.00	83.80	23.46	1.66	0.00	4.00	0.87	1.18	2.56	22.86	-0.03	30.43	4.00
491	4.91	2.05	32.66	-2.20	1.60	2.05	1.59	4.00	2.59	17.27	83.98	0.00	83.98	23.41	1.66	0.00	4.00	0.87	1.18	2.56	22.82	-0.03	30.41	4.00
492	4.92	2.05	32.66	-2.20	1.60	2.05	1.59	4.00	2.59	17.27	84.15	0.00	84.15	23.36	1.66	0.00	4.00	0.87	1.17	2.56	22.78	-0.03	30.39	4.00
493	4.93	2.14	30.17	-2.11	1.41	2.14	1.41	4.00	2.55	17.20	84.32	0.00	84.32	24.37	1.47	0.00	5.00	0.85	1.17	2.51	23.71	-0.03	32.16	6.00
494	4.94	2.17	30.39	-2.11	1.40	2.17	1.40	5.00	2.54	17.21	84.49	0.00	84.49	24.68	1.46	0.00	5.00	0.85	1.17	2.51	24.00	-0.02	32.39	6.00
495	4.95	2.20	30.84	-2.11	1.40	2.20	1.40	5.00	2.53	17.23	84.67	0.00	84.67	24.98	1.46	0.00	5.00	0.85	1.16	2.50	24.29	-0.02	32.53	6.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
496	4.96	2.26	31.91	-2.11	1.41	2.26	1.41	5.00	2.53	17.28	84.84	0.00	84.84	25.63	1.47	0.00	5.00	0.84	1.16	2.49	24.93	-0.02	32.77	6.00
497	4.97	2.30	32.54	-2.11	1.41	2.30	1.42	5.00	2.52	17.31	85.01	0.00	85.01	26.05	1.47	0.00	5.00	0.84	1.16	2.49	25.33	-0.02	32.95	6.00
498	4.98	2.40	33.61	-2.11	1.40	2.40	1.40	5.00	2.50	17.37	85.19	0.00	85.19	27.17	1.45	0.00	5.00	0.83	1.16	2.47	26.40	-0.02	33.60	6.00
499	4.99	2.45	34.30	-2.20	1.40	2.45	1.40	5.00	2.49	17.40	85.36	0.00	85.36	27.70	1.45	0.00	5.00	0.83	1.15	2.46	26.91	-0.03	33.85	6.00
500	5.00	2.49	35.28	-2.30	1.41	2.49	1.42	5.00	2.49	17.44	85.53	0.00	85.53	28.11	1.47	0.00	5.00	0.83	1.15	2.46	27.31	-0.03	33.89	0.00
501	5.01	2.57	36.83	-2.49	1.43	2.57	1.43	5.00	2.48	17.50	85.71	0.00	85.71	28.98	1.48	0.00	5.00	0.83	1.15	2.45	28.15	-0.03	34.14	7.00
502	5.02	2.60	37.43	-2.49	1.44	2.60	1.44	5.00	2.48	17.52	85.88	0.00	85.88	29.27	1.49	0.00	5.00	0.83	1.15	2.45	28.44	-0.03	34.21	7.00
503	5.03	2.61	38.28	-2.59	1.47	2.61	1.47	5.00	2.48	17.55	86.06	0.00	86.06	29.32	1.52	0.00	5.00	0.83	1.14	2.45	28.51	-0.03	34.00	7.00
504	5.04	2.59	40.20	-2.40	1.55	2.59	1.55	5.00	2.50	17.60	86.24	0.00	86.24	29.03	1.61	0.00	5.00	0.83	1.14	2.47	28.26	-0.03	33.16	7.00
505	5.05	2.57	41.40	-2.30	1.61	2.57	1.61	5.00	2.51	17.63	86.41	0.00	86.41	28.74	1.67	0.00	5.00	0.84	1.14	2.48	28.01	-0.03	32.57	7.00
506	5.06	2.54	42.31	-2.30	1.66	2.54	1.67	4.00	2.52	17.65	86.59	0.00	86.59	28.33	1.72	0.00	5.00	0.84	1.14	2.50	27.64	-0.03	31.99	5.00
507	5.07	2.47	44.33	-2.20	1.79	2.47	1.80	4.00	2.55	17.70	86.77	0.00	86.77	27.46	1.86	0.00	4.00	0.86	1.14	2.53	26.85	-0.03	30.72	5.00
508	5.08	2.44	45.40	-2.30	1.86	2.44	1.86	4.00	2.57	17.72	86.94	0.00	86.94	27.06	1.93	0.00	4.00	0.86	1.14	2.54	26.49	-0.03	30.13	5.00
509	5.09	2.37	47.11	-2.40	1.99	2.37	1.99	4.00	2.59	17.75	87.12	0.00	87.12	26.20	2.06	0.00	4.00	0.87	1.14	2.57	25.70	-0.03	29.01	5.00
510	5.10	2.34	47.70	-2.49	2.03	2.34	2.04	4.00	2.60	17.76	87.30	0.00	87.30	25.80	2.12	0.00	4.00	0.88	1.14	2.58	25.33	-0.03	28.57	5.00
511	5.11	2.31	48.27	-2.68	2.09	2.31	2.09	4.00	2.61	17.77	87.48	0.00	87.48	25.40	2.17	0.00	4.00	0.88	1.14	2.59	24.96	-0.03	28.14	5.00
512	5.12	2.28	48.49	-2.78	2.13	2.28	2.13	4.00	2.62	17.77	87.65	0.00	87.65	25.00	2.21	0.00	4.00	0.88	1.14	2.60	24.59	-0.03	27.81	5.00
513	5.13	2.25	48.43	-3.07	2.15	2.25	2.15	4.00	2.63	17.76	87.83	0.00	87.83	24.61	2.24	0.00	4.00	0.89	1.14	2.61	24.22	-0.03	27.54	5.00
514	5.14	2.24	48.40	-3.07	2.16	2.24	2.16	4.00	2.63	17.76	88.01	0.00	88.01	24.44	2.25	0.00	4.00	0.89	1.13	2.61	24.07	-0.03	27.44	5.00
515	5.15	2.24	48.11	-3.26	2.14	2.24	2.15	4.00	2.63	17.75	88.19	0.00	88.19	24.39	2.24	0.00	4.00	0.89	1.13	2.61	24.02	-0.04	27.50	5.00
516	5.16	2.24	47.80	-3.74	2.14	2.24	2.13	4.00	2.63	17.75	88.36	0.00	88.36	24.34	2.22	0.00	4.00	0.89	1.13	2.61	23.97	-0.04	27.56	5.00
517	5.17	2.24	47.86	-3.93	2.14	2.24	2.14	4.00	2.63	17.75	88.54	0.00	88.54	24.29	2.23	0.00	4.00	0.89	1.13	2.61	23.93	-0.04	27.53	5.00
518	5.18	2.24	48.15	-4.03	2.15	2.24	2.15	4.00	2.63	17.75	88.72	0.00	88.72	24.24	2.24	0.00	4.00	0.89	1.13	2.62	23.89	-0.05	27.44	5.00
519	5.19	2.23	48.46	-3.16	2.17	2.23	2.17	4.00	2.64	17.76	88.90	0.00	88.90	24.08	2.26	0.00	4.00	0.89	1.12	2.62	23.74	-0.04	27.27	5.00
520	5.20	2.23	49.22	-3.35	2.20	2.23	2.21	4.00	2.64	17.78	89.07	0.00	89.07	24.03	2.30	0.00	4.00	0.89	1.12	2.63	23.70	-0.04	27.07	5.00
521	5.21	2.21	50.42	-3.35	2.29	2.21	2.28	4.00	2.65	17.80	89.25	0.00	89.25	23.75	2.38	0.00	4.00	0.90	1.12	2.64	23.45	-0.04	26.60	5.00
522	5.22	2.14	52.59	-3.26	2.46	2.14	2.46	4.00	2.68	17.84	89.43	0.00	89.43	22.92	2.57	0.00	4.00	0.91	1.12	2.67	22.67	-0.04	25.49	5.00
523	5.23	2.10	53.41	-3.45	2.54	2.10	2.54	4.00	2.70	17.85	89.61	0.00	89.61	22.43	2.66	0.00	4.00	0.92	1.12	2.69	22.20	-0.04	24.96	5.00
524	5.24	2.02	54.67	-3.55	2.70	2.02	2.71	4.00	2.73	17.86	89.79	0.00	89.79	21.49	2.83	0.00	4.00	0.93	1.12	2.72	21.31	-0.04	24.01	5.00
525	5.25	1.99	54.61	-3.07	2.75	1.99	2.75	4.00	2.74	17.85	89.97	0.00	89.97	21.11	2.88	0.00	4.00	0.93	1.12	2.73	20.95	-0.03	23.76	5.00
526	5.26	1.91	54.33	-2.59	2.84	1.91	2.85	4.00	2.76	17.83	90.14	0.00	90.14	20.18	2.99	0.00	4.00	0.94	1.12	2.75	20.05	-0.03	23.14	5.00
527	5.27	1.88	53.63	-2.68	2.85	1.88	2.85	4.00	2.77	17.81	90.32	0.00	90.32	19.81	3.00	0.00	4.00	0.95	1.11	2.76	19.69	-0.03	23.01	5.00
528	5.28	1.84	52.97	-2.49	2.88	1.84	2.88	4.00	2.78	17.79	90.50	0.00	90.50	19.33	3.03	0.00	4.00	0.95	1.11	2.77	19.22	-0.03	22.79	5.00
529	5.29	1.77	52.40	-2.40	2.96	1.77	2.96	4.00	2.80	17.76	90.68	0.00	90.68	18.51	3.12	0.00	4.00	0.96	1.11	2.79	18.43	-0.03	22.29	5.00
530	5.30	1.74	52.24	-2.30	3.01	1.74	3.00	4.00	2.81	17.75	90.86	0.00	90.86	18.15	3.17	0.00	4.00	0.96	1.11	2.80	18.07	-0.03	22.06	5.00
531	5.31	1.71	51.68	-2.20	3.02	1.71	3.02	4.00	2.81	17.73	91.03	0.00	91.03	17.78	3.19	0.00	4.00	0.97	1.11	2.81	17.72	-0.02	21.90	3.00
532	5.32	1.66	50.20	-2.40	3.03	1.66	3.03	4.00	2.83	17.69	91.21	0.00	91.21	17.19	3.20	0.00	4.00	0.97	1.11	2.82	17.14	-0.03	21.74	3.00
533	5.33	1.63	49.31	-2.40	3.03	1.63	3.03	4.00	2.83	17.66	91.39	0.00	91.39	16.83	3.21	0.00	3.00	0.97	1.11	2.83	16.79	-0.03	21.63	3.00
534	5.34	1.62	48.68	-2.49	3.01	1.62	3.01	4.00	2.83	17.64	91.56	0.00	91.56	16.69	3.19	0.00	3.00	0.97	1.10	2.83	16.64	-0.03	21.66	3.00
535	5.35	1.61	46.60	-2.59	2.90	1.61	2.90	4.00	2.82	17.59	91.74	0.00	91.74	16.54	3.07	0.00	4.00	0.97	1.10	2.83	16.50	-0.03	21.96	3.00
536	5.36	1.61	45.31	-2.68	2.81	1.61	2.82	4.00	2.82	17.56	91.91	0.00	91.91	16.51	2.99	0.00	4.00	0.97	1.10	2.82	16.46	-0.03	22.21	5.00
537	5.37	1.65	42.53	-2.88	2.58	1.65	2.58	4.00	2.79	17.49	92.09	0.00	92.09	16.91	2.73	0.00	4.00	0.96	1.10	2.79	16.84	-0.03	23.14	5.00
538	5.38	1.68	41.49	-3.07	2.47	1.68	2.47	4.00	2.77	17.47	92.26	0.00	92.26	17.20	2.61	0.00	4.00	0.95	1.09	2.77	17.12	-0.03	23.63	5.00
539	5.39	1.72	40.80	-3.35	2.37	1.72	2.37	4.00	2.75	17.46	92.44	0.00	92.44	17.60	2.51	0.00	4.00	0.94	1.09	2.75	17.51	-0.04	24.15	4.00
540	5.40	1.79	39.76	-2.97	2.22	1.79	2.22	4.00	2.72	17.45	92.61	0.00	92.61	18.32	2.34	0.00	4.00	0.93	1.09	2.72	18.21	-0.03	25.04	4.00

Via di Belvedere 11/B 55054 Bozzano - Massarosa (LU) T (+39)328.6122159 C. Fisc & Part. IVA 02589320460 info@geodeep.it

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
541	5.41	1.81	39.66	-2.78	2.19	1.81	2.19	4.00	2.71	17.45	92.79	0.00	92.79	18.50	2.31	0.00	4.00	0.93	1.09	2.72	18.39	-0.03	25.24	4.00
542	5.42	1.84	39.70	-2.40	2.16	1.84	2.16	4.00	2.70	17.46	92.96	0.00	92.96	18.79	2.27	0.00	4.00	0.93	1.08	2.71	18.67	-0.03	25.50	4.00
543	5.43	1.84	39.95	-2.49	2.17	1.84	2.17	4.00	2.70	17.46	93.14	0.00	93.14	18.75	2.29	0.00	4.00	0.93	1.08	2.71	18.64	-0.03	25.42	4.00
544	5.44	1.81	40.77	-2.59	2.26	1.81	2.25	4.00	2.72	17.48	93.31	0.00	93.31	18.39	2.38	0.00	4.00	0.93	1.08	2.72	18.29	-0.03	24.94	4.00
545	5.45	1.76	40.99	-2.59	2.33	1.76	2.33	4.00	2.74	17.48	93.49	0.00	93.49	17.82	2.46	0.00	4.00	0.94	1.08	2.74	17.74	-0.03	24.41	4.00
546	5.46	1.71	40.93	-2.40	2.39	1.71	2.39	4.00	2.75	17.46	93.66	0.00	93.66	17.25	2.53	0.00	4.00	0.95	1.08	2.76	17.18	-0.03	23.94	4.00
547	5.47	1.61	41.02	-2.20	2.54	1.61	2.55	4.00	2.79	17.44	93.84	0.00	93.84	16.15	2.71	0.00	4.00	0.96	1.08	2.80	16.11	-0.02	22.98	4.00
548	5.48	1.58	41.43	-2.11	2.62	1.58	2.62	4.00	2.81	17.45	94.01	0.00	94.01	15.80	2.79	0.00	4.00	0.97	1.08	2.82	15.77	-0.02	22.61	4.00
549	5.49	1.55	42.31	-2.30	2.72	1.55	2.73	4.00	2.82	17.46	94.18	0.00	94.18	15.45	2.91	0.00	4.00	0.98	1.07	2.84	15.43	-0.02	22.14	4.00
550	5.50	1.55	43.23	-2.68	2.79	1.55	2.79	4.00	2.83	17.49	94.36	0.00	94.36	15.42	2.97	0.00	4.00	0.98	1.07	2.84	15.40	-0.03	21.94	3.00
551	5.51	1.55	44.11	-2.49	2.85	1.55	2.85	4.00	2.83	17.51	94.53	0.00	94.53	15.39	3.03	0.00	3.00	0.98	1.07	2.85	15.37	-0.03	21.76	3.00
552	5.52	1.54	46.07	-1.63	2.98	1.54	2.99	3.00	2.85	17.56	94.71	0.00	94.71	15.26	3.19	0.00	3.00	0.99	1.07	2.86	15.24	-0.02	21.28	3.00
553	5.53	1.55	48.05	-1.25	3.10	1.55	3.10	3.00	2.86	17.61	94.89	0.00	94.89	15.33	3.30	0.00	3.00	0.99	1.07	2.87	15.32	-0.01	21.00	3.00
554	5.54	1.55	50.07	-1.25	3.22	1.55	3.23	3.00	2.87	17.66	95.06	0.00	95.06	15.30	3.44	0.00	3.00	1.00	1.07	2.88	15.30	-0.01	20.63	3.00
555	5.55	1.57	53.03	-1.63	3.38	1.57	3.38	3.00	2.87	17.73	95.24	0.00	95.24	15.48	3.60	0.00	3.00	1.00	1.06	2.89	15.48	-0.02	20.27	3.00
556	5.56	1.55	53.38	-1.63	3.43	1.55	3.44	3.00	2.88	17.73	95.42	0.00	95.42	15.24	3.67	0.00	3.00	1.00	1.06	2.90	15.24	-0.02	20.04	3.00
557	5.57	1.55	53.16	-1.53	3.43	1.55	3.43	3.00	2.88	17.73	95.59	0.00	95.59	15.21	3.66	0.00	3.00	1.00	1.06	2.90	15.21	-0.02	20.07	3.00
558	5.58	1.55	52.62	-1.63	3.40	1.55	3.40	3.00	2.88	17.71	95.77	0.00	95.77	15.18	3.62	0.00	3.00	1.00	1.06	2.90	15.18	-0.02	20.15	3.00
559	5.59	1.56	51.99	-1.53	3.32	1.56	3.33	3.00	2.87	17.70	95.95	0.00	95.95	15.26	3.55	0.00	3.00	1.00	1.06	2.89	15.25	-0.02	20.34	3.00
560	5.60	1.62	51.05	-1.53	3.14	1.62	3.15	3.00	2.84	17.70	96.13	0.00	96.13	15.85	3.35	0.00	3.00	0.99	1.05	2.86	15.84	-0.02	21.00	3.00
561	5.61	1.65	50.98	-1.44	3.09	1.65	3.09	4.00	2.83	17.70	96.30	0.00	96.30	16.13	3.28	0.00	3.00	0.98	1.05	2.85	16.12	-0.01	21.25	3.00
562	5.62	1.74	52.09	-1.44	2.99	1.74	2.99	4.00	2.81	17.75	96.48	0.00	96.48	17.03	3.17	0.00	4.00	0.97	1.05	2.82	17.01	-0.01	21.80	3.00
563	5.63	1.81	53.60	-1.34	2.96	1.81	2.96	4.00	2.79	17.80	96.66	0.00	96.66	17.72	3.13	0.00	4.00	0.97	1.05	2.81	17.70	-0.01	22.09	5.00
564	5.64	1.94	55.52	-1.15	2.86	1.94	2.86	4.00	2.76	17.86	96.84	0.00	96.84	19.03	3.01	0.00	4.00	0.95	1.04	2.77	18.99	-0.01	22.79	5.00
565	5.65	2.00	55.37	-1.15	2.77	2.00	2.77	4.00	2.74	17.87	97.02	0.00	97.02	19.61	2.91	0.00	4.00	0.95	1.04	2.75	19.57	-0.01	23.29	5.00
566	5.66	2.05	54.14	-1.15	2.64	2.05	2.64	4.00	2.72	17.85	97.19	0.00	97.19	20.09	2.77	0.00	4.00	0.94	1.04	2.73	20.04	-0.01	23.92	5.00
567	5.67	2.15	50.07	-1.05	2.33	2.15	2.33	4.00	2.67	17.78	97.37	0.00	97.37	21.08	2.44	0.00	4.00	0.92	1.04	2.68	21.01	-0.01	25.57	5.00
568	5.68	2.19	48.30	-1.05	2.21	2.19	2.21	4.00	2.65	17.75	97.55	0.00	97.55	21.45	2.31	0.00	4.00	0.91	1.04	2.66	21.38	-0.01	26.29	5.00
569	5.69	2.22	45.91	-0.96	2.07	2.22	2.07	4.00	2.63	17.70	97.73	0.00	97.73	21.71	2.16	0.00	4.00	0.90	1.03	2.64	21.64	-0.01	27.08	5.00
570	5.70	2.23	44.96	-0.96	2.02	2.23	2.02	4.00	2.62	17.67	97.90	0.00	97.90	21.78	2.11	0.00	4.00	0.90	1.03	2.63	21.70	-0.01	27.38	5.00
571	5.71	2.21	44.17	-0.96	2.00	2.21	2.00	4.00	2.62	17.65	98.08	0.00	98.08	21.53	2.09	0.00	4.00	0.90	1.03	2.64	21.46	-0.01	27.38	5.00
572	5.72	2.11	42.50	-1.05	2.01	2.11	2.01	4.00	2.64	17.59	98.26	0.00	98.26	20.47	2.11	0.00	4.00	0.91	1.03	2.66	20.42	-0.01	26.88	0.00
573	5.73	2.03	42.16	-1.05	2.08	2.03	2.08	4.00	2.66	17.56	98.43	0.00	98.43	19.62	2.18	0.00	4.00	0.92	1.03	2.68	19.58	-0.01	26.24	4.00
574	5.74	1.51	42.44	-1.15	2.82	1.51	2.81	4.00	2.84	17.46	98.61	0.00	98.61	14.31	3.01	0.00	3.00	0.99	1.03	2.87	14.31	-0.01	21.51	2.00
575	5.75	1.84	41.71	-1.15	2.26	1.84	2.27	4.00	2.71	17.51	98.78	0.00	98.78	17.62	2.40	0.00	4.00	0.94	1.02	2.74	17.60	-0.01	24.61	4.00
576	5.76	1.70	41.59	-1.25	2.44	1.70	2.45	4.00	2.76	17.48	98.96	0.00	98.96	16.18	2.60	0.00	4.00	0.96	1.02	2.79	16.16	-0.01	23.36	4.00
577	5.77	1.67	41.75	-1.25	2.51	1.67	2.50	4.00	2.77	17.48	99.13	0.00	99.13	15.84	2.66	0.00	4.00	0.97	1.02	2.80	15.83	-0.01	23.05	4.00
578	5.78	1.63	42.00	-1.34	2.57	1.63	2.58	4.00	2.79	17.47	99.30	0.00	99.30	15.41	2.74	0.00	4.00	0.97	1.02	2.82	15.40	-0.01	22.63	4.00
579	5.79	1.60	42.03	-1.34	2.63	1.60	2.63	4.00	2.80	17.47	99.48	0.00	99.48	15.08	2.80	0.00	4.00	0.98	1.02	2.83	15.08	-0.01	22.34	4.00
580	5.80	1.59	42.31	-1.34	2.66	1.59	2.66	4.00	2.81	17.47	99.65	0.00	99.65	14.95	2.84	0.00	4.00	0.98	1.02	2.84	14.95	-0.01	22.19	4.00
581	5.81	1.56	45.66	-0.77	2.92	1.56	2.93	4.00	2.84	17.55	99.83	0.00	99.83	14.62	3.13	0.00	3.00	0.99	1.01	2.87	14.62	-0.01	21.28	2.00
582	5.82	1.59	49.16	1.05	3.09	1.59	3.09	3.00	2.85	17.65	100.01	0.00	100.01	14.90	3.30	0.00	3.00	1.00	1.01	2.88	14.90	0.01	20.90	3.00
583	5.83	1.74	55.18	1.53	3.18	1.74	3.17	4.00	2.82	17.81	100.18	0.00	100.18	16.37	3.36	0.00	3.00	0.99	1.01	2.85	16.37	0.02	21.08	3.00
584	5.84	1.79	56.85	1.53	3.17	1.79	3.18	4.00	2.81	17.86	100.36	0.00	100.36	16.84	3.36	0.00	3.00	0.98	1.01	2.84	16.84	0.02	21.19	3.00
585	5.85	1.85	58.77	1.53	3.17	1.85	3.18	4.00	2.80	17.91	100.54	0.00	100.54	17.40	3.36	0.00	3.00	0.98	1.01	2.83	17.40	0.02	21.33	3.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
586	5.86	1.89	60.54	1.63	3.20	1.89	3.20	4.00	2.80	17.95	100.72	0.00	100.72	17.77	3.38	0.00	3.00	0.98	1.01	2.83	17.77	0.02	21.34	3.00
587	5.87	1.92	60.00	1.63	3.13	1.92	3.12	4.00	2.78	17.95	100.90	0.00	100.90	18.03	3.30	0.00	4.00	0.97	1.00	2.81	18.03	0.02	21.65	3.00
588	5.88	1.98	57.26	1.63	2.90	1.98	2.89	4.00	2.75	17.91	101.08	0.00	101.08	18.59	3.05	0.00	4.00	0.96	1.00	2.78	18.59	0.02	22.58	5.00
589	5.89	1.99	55.56	1.63	2.79	1.99	2.79	4.00	2.74	17.87	101.26	0.00	101.26	18.66	2.94	0.00	4.00	0.96	1.00	2.77	18.66	0.02	22.95	5.00
590	5.90	2.01	53.85	1.73	2.68	2.01	2.68	4.00	2.73	17.84	101.44	0.00	101.44	18.82	2.82	0.00	4.00	0.95	1.00	2.76	18.82	0.02	23.41	5.00
591	5.91	2.01	53.85	1.73	2.68	2.01	2.68	4.00	2.73	17.84	101.62	0.00	101.62	18.78	2.82	0.00	4.00	0.95	1.00	2.76	18.79	0.02	23.40	5.00
592	5.92	2.01	53.85	1.73	2.68	2.01	2.68	4.00	2.73	17.84	101.79	0.00	101.79	18.75	2.82	0.00	4.00	0.95	1.00	2.76	18.75	0.02	23.39	5.00
593	5.93	2.08	43.23	1.82	2.08	2.08	2.08	4.00	2.65	17.60	101.97	0.00	101.97	19.40	2.19	0.00	4.00	0.92	0.99	2.68	19.41	0.02	26.16	4.00
594	5.94	2.14	41.52	1.92	1.94	2.14	1.94	4.00	2.62	17.57	102.15	0.00	102.15	19.95	2.04	0.00	4.00	0.91	0.99	2.65	19.97	0.02	27.08	4.00
595	5.95	2.19	40.39	2.01	1.84	2.19	1.84	4.00	2.60	17.54	102.32	0.00	102.32	20.41	1.93	0.00	4.00	0.90	0.99	2.63	20.43	0.02	27.78	4.00
596	5.96	2.31	37.30	2.11	1.61	2.31	1.61	4.00	2.55	17.47	102.50	0.00	102.50	21.54	1.69	0.00	4.00	0.88	0.99	2.58	21.57	0.02	29.66	4.00
597	5.97	2.37	36.32	2.11	1.54	2.37	1.53	5.00	2.53	17.45	102.67	0.00	102.67	22.09	1.60	0.00	4.00	0.88	0.99	2.56	22.12	0.02	30.47	4.00
598	5.98	2.41	35.72	2.20	1.48	2.41	1.48	5.00	2.51	17.44	102.84	0.00	102.84	22.44	1.55	0.00	4.00	0.87	0.99	2.54	22.48	0.02	30.99	4.00
599	5.99	2.41	34.34	2.20	1.42	2.41	1.42	5.00	2.50	17.39	103.02	0.00	103.02	22.40	1.49	0.00	4.00	0.87	0.99	2.54	22.45	0.02	31.38	4.00
600	6.00	2.36	34.08	2.20	1.45	2.36	1.44	5.00	2.51	17.38	103.19	0.00	103.19	21.87	1.51	0.00	4.00	0.87	0.98	2.55	21.93	0.02	30.96	4.00
601	6.01	2.13	35.22	2.11	1.65	2.13	1.65	4.00	2.58	17.37	103.37	0.00	103.37	19.61	1.74	0.00	4.00	0.90	0.98	2.62	19.65	0.02	28.47	4.00
602	6.02	2.01	36.48	2.01	1.82	2.01	1.81	4.00	2.63	17.39	103.54	0.00	103.54	18.42	1.91	0.00	4.00	0.92	0.98	2.67	18.45	0.02	27.02	4.00
603	6.03	1.84	40.86	1.92	2.22	1.84	2.22	4.00	2.71	17.49	103.72	0.00	103.72	16.74	2.35	0.00	4.00	0.95	0.98	2.75	16.76	0.02	24.46	4.00
604	6.04	1.82	42.91	1.92	2.36	1.82	2.36	4.00	2.73	17.54	103.89	0.00	103.89	16.52	2.50	0.00	4.00	0.96	0.98	2.77	16.54	0.02	23.84	4.00
605	6.05	1.82	45.31	1.92	2.49	1.82	2.49	4.00	2.74	17.60	104.07	0.00	104.07	16.49	2.64	0.00	4.00	0.96	0.97	2.79	16.51	0.02	23.34	4.00
606	6.06	1.81	50.67	2.20	2.80	1.81	2.80	4.00	2.77	17.73	104.24	0.00	104.24	16.37	2.97	0.00	4.00	0.98	0.97	2.82	16.38	0.02	22.23	5.00
607	6.07	1.77	54.39	2.20	3.08	1.77	3.07	4.00	2.81	17.80	104.42	0.00	104.42	15.95	3.26	0.00	3.00	0.99	0.97	2.85	15.96	0.02	21.26	3.00
608	6.08	1.74	56.79	3.26	3.27	1.74	3.26	3.00	2.83	17.85	104.60	0.00	104.60	15.64	3.47	0.00	3.00	1.00	0.97	2.88	15.64	0.03	20.63	3.00
609	6.09	1.79	59.81	6.80	3.33	1.79	3.34	3.00	2.82	17.92	104.78	0.00	104.78	16.10	3.55	0.00	3.00	1.00	0.97	2.87	16.10	0.06	20.54	3.00
610	6.10	1.85	62.52	6.71	3.38	1.85	3.38	4.00	2.82	17.98	104.96	0.00	104.96	16.64	3.58	0.00	3.00	0.99	0.97	2.86	16.64	0.06	20.56	3.00
611	6.11	1.92	63.44	6.61	3.31	1.92	3.30	4.00	2.80	18.01	105.14	0.00	105.14	17.27	3.49	0.00	3.00	0.99	0.96	2.84	17.28	0.06	20.93	3.00
612	6.12	1.92	64.89	6.52	3.38	1.92	3.38	4.00	2.80	18.04	105.32	0.00	105.32	17.24	3.57	0.00	3.00	0.99	0.96	2.85	17.25	0.06	20.70	3.00
613	6.13	1.92	64.29	6.52	3.35	1.92	3.35	4.00	2.80	18.03	105.50	0.00	105.50	17.21	3.54	0.00	3.00	0.99	0.96	2.85	17.22	0.06	20.78	3.00
614	6.14	1.92	62.59	6.52	3.26	1.92	3.26	4.00	2.79	18.00	105.68	0.00	105.68	17.18	3.45	0.00	3.00	0.99	0.96	2.84	17.19	0.06	21.04	3.00
615	6.15	1.93	61.39	6.52	3.18	1.93	3.18	4.00	2.79	17.98	105.86	0.00	105.86	17.24	3.36	0.00	3.00	0.98	0.96	2.84	17.26	0.06	21.29	3.00
616	6.16	1.95	58.49	6.52	2.99	1.95	3.00	4.00	2.77	17.92	106.04	0.00	106.04	17.40	3.17	0.00	4.00	0.98	0.96	2.82	17.42	0.06	21.90	3.00
617	6.17	1.97	57.23	6.42	2.90	1.97	2.90	4.00	2.75	17.90	106.22	0.00	106.22	17.56	3.07	0.00	4.00	0.97	0.96	2.80	17.58	0.06	22.25	5.00
618	6.18	1.98	56.06	6.52	2.84	1.98	2.83	4.00	2.75	17.88	106.40	0.00	106.40	17.62	2.99	0.00	4.00	0.97	0.95	2.80	17.65	0.06	22.52	5.00
619	6.19	2.01	54.86	6.52	2.72	2.01	2.73	4.00	2.73	17.86	106.58	0.00	106.58	17.87	2.88	0.00	4.00	0.96	0.95	2.78	17.91	0.06	22.95	5.00
620	6.20	2.02	54.26	6.52	2.69	2.02	2.68	4.00	2.73	17.85	106.75	0.00	106.75	17.93	2.83	0.00	4.00	0.96	0.95	2.78	17.97	0.06	23.13	5.00
621	6.21	2.06	52.28	6.52	2.54	2.06	2.54	4.00	2.70	17.82	106.93	0.00	106.93	18.28	2.67	0.00	4.00	0.95	0.95	2.75	18.32	0.06	23.80	5.00
622	6.22	2.08	50.10	6.52	2.41	2.08	2.41	4.00	2.69	17.77	107.11	0.00	107.11	18.43	2.54	0.00	4.00	0.95	0.95	2.74	18.49	0.06	24.37	5.00
623	6.23	2.09	48.34	6.52	2.31	2.09	2.31	4.00	2.67	17.73	107.29	0.00	107.29	18.49	2.44	0.00	4.00	0.94	0.95	2.73	18.56	0.06	24.79	5.00
624	6.24	2.13	47.20	6.61	2.22	2.13	2.21	4.00	2.66	17.71	107.46	0.00	107.46	18.83	2.33	0.00	4.00	0.93	0.95	2.71	18.91	0.06	25.34	5.00
625	6.25	2.15	46.98	6.61	2.19	2.15	2.18	4.00	2.65	17.71	107.64	0.00	107.64	18.99	2.30	0.00	4.00	0.93	0.95	2.70	19.06	0.06	25.53	5.00
626	6.26	2.16	46.19	6.61	2.14	2.16	2.14	4.00	2.64	17.69	107.82	0.00	107.82	19.05	2.25	0.00	4.00	0.93	0.94	2.69	19.13	0.06	25.77	4.00
627	6.27	2.17	45.18	6.61	2.08	2.17	2.08	4.00	2.63	17.67	108.00	0.00	108.00	19.11	2.19	0.00	4.00	0.93	0.94	2.69	19.20	0.06	26.06	4.00
628	6.28	2.17	45.37	6.61	2.09	2.17	2.09	4.00	2.64	17.67	108.17	0.00	108.17	19.07	2.20	0.00	4.00	0.93	0.94	2.69	19.16	0.06	26.01	4.00
629	6.29	2.18	45.53	6.61	2.09	2.18	2.09	4.00	2.63	17.68	108.35	0.00	108.35	19.13	2.20	0.00	4.00	0.93	0.94	2.69	19.23	0.06	26.04	4.00
630	6.30	2.18	45.37	6.71	2.08	2.18	2.08	4.00	2.63	17.68	108.53	0.00	108.53	19.10	2.19	0.00	4.00	0.93	0.94	2.69	19.20	0.06	26.06	4.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
631	6.31	2.18	45.25	6.61	2.08	2.18	2.07	4.00	2.63	17.67	108.70	0.00	108.70	19.07	2.18	0.00	4.00	0.93	0.94	2.69	19.17	0.06	26.08	4.00
632	6.32	2.19	45.59	6.71	2.08	2.19	2.08	4.00	2.63	17.68	108.88	0.00	108.88	19.13	2.19	0.00	4.00	0.93	0.94	2.69	19.23	0.06	26.07	4.00
633	6.33	2.20	45.50	6.71	2.07	2.20	2.07	4.00	2.63	17.68	109.06	0.00	109.06	19.19	2.17	0.00	4.00	0.93	0.93	2.68	19.29	0.06	26.16	4.00
634	6.34	2.22	45.40	6.71	2.04	2.22	2.04	4.00	2.62	17.68	109.23	0.00	109.23	19.34	2.15	0.00	4.00	0.92	0.93	2.68	19.45	0.06	26.34	4.00
635	6.35	2.23	45.06	6.71	2.02	2.23	2.02	4.00	2.62	17.68	109.41	0.00	109.41	19.40	2.12	0.00	4.00	0.92	0.93	2.67	19.51	0.06	26.48	4.00
636	6.36	2.25	44.90	6.71	2.00	2.25	1.99	4.00	2.61	17.68	109.59	0.00	109.59	19.54	2.10	0.00	4.00	0.92	0.93	2.67	19.67	0.06	26.67	4.00
637	6.37	2.26	44.14	6.80	1.95	2.26	1.95	4.00	2.60	17.66	109.76	0.00	109.76	19.60	2.05	0.00	4.00	0.92	0.93	2.66	19.73	0.06	26.91	4.00
638	6.38	2.27	44.49	6.80	1.96	2.27	1.96	4.00	2.60	17.67	109.94	0.00	109.94	19.66	2.06	0.00	4.00	0.92	0.93	2.66	19.79	0.06	26.90	4.00
639	6.39	2.30	44.87	6.80	1.95	2.30	1.95	4.00	2.60	17.68	110.12	0.00	110.12	19.90	2.05	0.00	4.00	0.92	0.93	2.65	20.04	0.06	27.05	4.00
640	6.40	2.31	44.74	6.90	1.93	2.31	1.94	4.00	2.59	17.68	110.29	0.00	110.29	19.96	2.03	0.00	4.00	0.91	0.93	2.65	20.10	0.06	27.15	4.00
641	6.41	2.30	46.22	6.90	2.01	2.30	2.01	4.00	2.61	17.72	110.47	0.00	110.47	19.83	2.11	0.00	4.00	0.92	0.92	2.66	19.97	0.06	26.73	4.00
642	6.42	2.31	46.35	6.90	2.01	2.31	2.01	4.00	2.60	17.72	110.65	0.00	110.65	19.89	2.11	0.00	4.00	0.92	0.92	2.66	20.03	0.06	26.77	4.00
643	6.43	2.30	46.25	6.90	2.01	2.30	2.01	4.00	2.61	17.72	110.82	0.00	110.82	19.77	2.11	0.00	4.00	0.92	0.92	2.66	19.91	0.06	26.70	4.00
644	6.44	2.31	46.32	7.00	2.01	2.31	2.00	4.00	2.60	17.72	111.00	0.00	111.00	19.82	2.11	0.00	4.00	0.92	0.92	2.66	19.97	0.06	26.75	4.00
645	6.45	2.32	46.47	7.00	2.01	2.32	2.00	4.00	2.60	17.73	111.18	0.00	111.18	19.88	2.10	0.00	4.00	0.92	0.92	2.66	20.03	0.06	26.79	4.00
646	6.46	2.33	46.32	7.00	1.98	2.33	1.99	4.00	2.60	17.72	111.36	0.00	111.36	19.94	2.09	0.00	4.00	0.92	0.92	2.66	20.09	0.06	26.89	4.00
647	6.47	2.34	46.22	7.00	1.97	2.34	1.97	4.00	2.59	17.72	111.53	0.00	111.53	19.99	2.07	0.00	4.00	0.92	0.92	2.66	20.15	0.06	26.98	4.00
648	6.48	2.36	46.29	7.00	1.97	2.36	1.96	4.00	2.59	17.73	111.71	0.00	111.71	20.14	2.06	0.00	4.00	0.92	0.91	2.65	20.31	0.06	27.11	4.00
649	6.49	2.39	46.66	7.09	1.95	2.39	1.95	4.00	2.58	17.74	111.89	0.00	111.89	20.37	2.05	0.00	4.00	0.91	0.91	2.65	20.55	0.06	27.26	4.00
650	6.50	2.41	46.82	7.09	1.94	2.41	1.94	4.00	2.58	17.75	112.07	0.00	112.07	20.52	2.04	0.00	4.00	0.91	0.91	2.64	20.70	0.06	27.38	4.00
651	6.51	2.45	47.52	7.19	1.94	2.45	1.94	4.00	2.57	17.77	112.24	0.00	112.24	20.84	2.03	0.00	4.00	0.91	0.91	2.64	21.04	0.06	27.53	0.00
652	6.52	2.46	47.89	7.19	1.95	2.46	1.95	4.00	2.57	17.78	112.42	0.00	112.42	20.90	2.04	0.00	4.00	0.91	0.91	2.64	21.09	0.06	27.52	0.00
653	6.53	2.44	48.15	7.19	1.98	2.44	1.97	4.00	2.58	17.79	112.60	0.00	112.60	20.68	2.07	0.00	4.00	0.91	0.91	2.64	20.88	0.06	27.28	0.00
654	6.54	2.32	49.34	7.19	2.12	2.32	2.13	4.00	2.62	17.80	112.78	0.00	112.78	19.58	2.23	0.00	4.00	0.93	0.91	2.68	19.74	0.06	26.06	5.00
655	6.55	2.23	49.25	7.09	2.21	2.23	2.21	4.00	2.64	17.78	112.96	0.00	112.96	18.76	2.32	0.00	4.00	0.94	0.90	2.71	18.88	0.06	25.36	5.00
656	6.56	2.16	49.50	7.00	2.29	2.16	2.29	4.00	2.66	17.77	113.13	0.00	113.13	18.11	2.42	0.00	4.00	0.95	0.90	2.73	18.21	0.06	24.75	0.00
657	6.57	1.98	51.08	7.00	2.58	1.98	2.58	4.00	2.72	17.77	113.31	0.00	113.31	16.49	2.73	0.00	4.00	0.97	0.90	2.80	16.54	0.06	23.03	5.00
658	6.58	1.87	52.50	6.90	2.81	1.87	2.81	4.00	2.76	17.78	113.49	0.00	113.49	15.49	2.99	0.00	4.00	0.99	0.89	2.84	15.51	0.06	21.93	3.00
659	6.59	1.63	55.52	6.71	3.41	1.63	3.40	3.00	2.86	17.80	113.67	0.00	113.67	13.35	3.66	0.00	3.00	1.00	0.89	2.95	13.35	0.06	19.65	2.00
660	6.60	1.51	56.88	6.61	3.78	1.51	3.76	3.00	2.92	17.79	113.84	0.00	113.84	12.28	4.07	0.00	3.00	1.00	0.89	3.00	12.28	0.06	18.57	2.00
661	6.61	1.41	58.49	6.52	4.15	1.41	4.14	3.00	2.96	17.80	114.02	0.00	114.02	11.38	4.51	0.01	3.00	1.00	0.89	3.06	11.38	0.06	17.62	2.00
662	6.62	1.28	63.06	6.23	4.94	1.28	4.92	3.00	3.04	17.85	114.20	0.00	114.20	10.22	5.40	0.01	3.00	1.00	0.89	3.14	10.22	0.05	16.15	2.00
663	6.63	1.26	64.86	6.23	5.17	1.26	5.14	3.00	3.06	17.88	114.38	0.00	114.38	10.03	5.66	0.01	3.00	1.00	0.89	3.16	10.03	0.05	15.81	2.00
664	6.64	1.26	68.89	6.61	5.47	1.26	5.46	3.00	3.08	17.95	114.56	0.00	114.56	10.01	6.01	0.01	3.00	1.00	0.88	3.18	10.01	0.06	15.38	2.00
665	6.65	1.30	70.19	6.80	5.41	1.30	5.39	3.00	3.06	17.98	114.74	0.00	114.74	10.34	5.91	0.01	3.00	1.00	0.88	3.16	10.34	0.06	15.51	2.00
666	6.66	1.40	69.68	7.19	4.96	1.40	4.97	3.00	3.02	18.00	114.92	0.00	114.92	11.20	5.42	0.01	3.00	1.00	0.88	3.11	11.20	0.06	16.23	2.00
667	6.67	1.44	67.54	7.28	4.68	1.44	4.69	3.00	2.99	17.97	115.10	0.00	115.10	11.52	5.09	0.01	3.00	1.00	0.88	3.08	11.52	0.06	16.73	2.00
668	6.68	1.47	65.14	7.38	4.44	1.47	4.43	3.00	2.97	17.94	115.28	0.00	115.28	11.77	4.80	0.01	3.00	1.00	0.88	3.06	11.77	0.06	17.20	2.00
669	6.69	1.50	62.33	7.38	4.17	1.50	4.15	3.00	2.94	17.90	115.46	0.00	115.46	12.01	4.50	0.01	3.00	1.00	0.88	3.04	12.01	0.06	17.75	2.00
670	6.70	1.52	62.02	7.48	4.09	1.52	4.08	3.00	2.93	17.90	115.64	0.00	115.64	12.16	4.41	0.01	3.00	1.00	0.88	3.03	12.16	0.06	17.92	2.00
671	6.71	1.56	61.77	7.48	3.95	1.56	3.96	3.00	2.92	17.90	115.81	0.00	115.81	12.48	4.27	0.01	3.00	1.00	0.87	3.01	12.48	0.06	18.23	3.00
672	6.72	1.67	59.56	7.67	3.56	1.67	3.56	3.00	2.87	17.89	115.99	0.00	115.99	13.41	3.83	0.00	3.00	1.00	0.87	2.96	13.41	0.07	19.29	3.00
673	6.73	1.72	58.42	7.67	3.40	1.72	3.39	3.00	2.84	17.88	116.17	0.00	116.17	13.82	3.64	0.00	3.00	1.00	0.87	2.93	13.82	0.07	19.80	3.00
674	6.74	1.72	58.11	7.76	3.38	1.72	3.38	3.00	2.84	17.87	116.35	0.00	116.35	13.80	3.62	0.00	3.00	1.00	0.87	2.93	13.80	0.07	19.84	3.00
675	6.75	1.63	56.75	7.67	3.47	1.63	3.48	3.00	2.87	17.82	116.53	0.00	116.53	13.00	3.75	0.01	3.00	1.00	0.87	2.96	13.00	0.07	19.38	2.00

GeoDeep
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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
676	6.76	1.57	55.33	7.67	3.52	1.57	3.52	3.00	2.88	17.78	116.71	0.00	116.71	12.47	3.80	0.01	3.00	1.00	0.87	2.98	12.47	0.07	19.14	2.00
677	6.77	1.49	54.77	7.57	3.68	1.49	3.67	3.00	2.91	17.75	116.88	0.00	116.88	11.76	3.98	0.01	3.00	1.00	0.87	3.01	11.76	0.06	18.62	2.00
678	6.78	1.47	55.65	7.57	3.78	1.47	3.78	3.00	2.93	17.76	117.06	0.00	117.06	11.57	4.11	0.01	3.00	1.00	0.87	3.03	11.57	0.06	18.35	2.00
679	6.79	1.53	57.70	7.86	3.78	1.53	3.77	3.00	2.91	17.82	117.24	0.00	117.24	12.06	4.08	0.01	3.00	1.00	0.86	3.01	12.06	0.07	18.51	2.00
680	6.80	1.60	58.77	7.95	3.68	1.60	3.67	3.00	2.89	17.85	117.42	0.00	117.42	12.64	3.96	0.01	3.00	1.00	0.86	2.99	12.64	0.07	18.86	2.00
681	6.81	1.74	61.99	8.43	3.56	1.74	3.56	3.00	2.85	17.95	117.60	0.00	117.60	13.81	3.82	0.01	3.00	1.00	0.86	2.95	13.81	0.07	19.40	3.00
682	6.82	1.85	61.20	8.63	3.30	1.85	3.30	4.00	2.81	17.96	117.78	0.00	117.78	14.72	3.53	0.00	3.00	1.00	0.86	2.90	14.72	0.07	20.27	3.00
683	6.83	1.96	60.60	8.63	3.09	1.96	3.09	4.00	2.77	17.97	117.96	0.00	117.96	15.63	3.29	0.00	3.00	1.00	0.86	2.86	15.63	0.07	21.12	3.00
684	6.84	2.20	61.07	8.72	2.78	2.20	2.77	4.00	2.70	18.02	118.14	0.00	118.14	17.64	2.93	0.00	4.00	0.97	0.86	2.79	17.72	0.07	22.73	5.00
685	6.85	2.30	60.51	8.82	2.63	2.30	2.63	4.00	2.68	18.03	118.32	0.00	118.32	18.45	2.77	0.00	4.00	0.96	0.86	2.76	18.57	0.07	23.52	5.00
686	6.86	2.40	58.55	8.91	2.44	2.40	2.44	4.00	2.64	18.01	118.50	0.00	118.50	19.27	2.56	0.00	4.00	0.95	0.86	2.72	19.43	0.08	24.56	5.00
687	6.87	2.40	57.42	8.82	2.39	2.40	2.39	4.00	2.64	17.98	118.68	0.00	118.68	19.24	2.51	0.00	4.00	0.94	0.86	2.72	19.41	0.07	24.75	5.00
688	6.88	2.40	56.88	8.82	2.37	2.40	2.37	4.00	2.63	17.97	118.86	0.00	118.86	19.21	2.49	0.00	4.00	0.94	0.86	2.72	19.38	0.07	24.84	5.00
689	6.89	2.37	55.24	8.82	2.33	2.37	2.33	4.00	2.63	17.93	119.04	0.00	119.04	18.93	2.45	0.00	4.00	0.94	0.86	2.72	19.10	0.07	24.91	5.00
690	6.90	2.36	54.80	8.82	2.32	2.36	2.32	4.00	2.63	17.92	119.22	0.00	119.22	18.81	2.44	0.00	4.00	0.94	0.86	2.72	18.98	0.07	24.90	5.00
691	6.91	2.36	54.80	8.82	2.32	2.36	2.32	4.00	2.63	17.92	119.40	0.00	119.40	18.78	2.44	0.00	4.00	0.94	0.86	2.72	18.95	0.07	24.89	5.00
692	6.92	2.36	54.80	8.82	2.32	2.36	2.32	4.00	2.63	17.92	119.57	0.00	119.57	18.75	2.44	0.00	4.00	0.95	0.86	2.72	18.92	0.07	24.88	5.00
693	6.93	2.30	48.52	8.43	2.11	2.30	2.11	4.00	2.62	17.77	119.75	0.00	119.75	18.22	2.22	0.00	4.00	0.94	0.85	2.71	18.41	0.07	25.61	4.00
694	6.94	2.29	48.68	8.53	2.12	2.29	2.12	4.00	2.62	17.78	119.93	0.00	119.93	18.11	2.24	0.00	4.00	0.94	0.85	2.71	18.29	0.07	25.49	4.00
695	6.95	2.29	48.27	8.63	2.11	2.29	2.11	4.00	2.62	17.77	120.11	0.00	120.11	18.08	2.22	0.00	4.00	0.94	0.85	2.71	18.26	0.07	25.56	4.00
696	6.96	2.29	48.02	8.53	2.10	2.29	2.10	4.00	2.62	17.76	120.29	0.00	120.29	18.05	2.21	0.00	4.00	0.94	0.85	2.71	18.24	0.07	25.59	4.00
697	6.97	2.29	47.33	8.63	2.07	2.29	2.07	4.00	2.61	17.74	120.46	0.00	120.46	18.03	2.18	0.00	4.00	0.94	0.85	2.70	18.21	0.07	25.72	4.00
698	6.98	2.29	46.76	8.63	2.04	2.29	2.04	4.00	2.61	17.73	120.64	0.00	120.64	18.00	2.15	0.00	4.00	0.94	0.85	2.70	18.19	0.07	25.82	4.00
699	6.99	2.31	46.35	8.63	2.01	2.31	2.00	4.00	2.60	17.72	120.82	0.00	120.82	18.13	2.12	0.00	4.00	0.94	0.85	2.69	18.34	0.07	26.05	4.00
700	7.00	2.31	46.13	8.72	2.00	2.31	2.00	4.00	2.60	17.72	120.99	0.00	120.99	18.11	2.11	0.00	4.00	0.94	0.85	2.69	18.31	0.07	26.08	4.00
701	7.01	2.32	46.13	8.72	1.99	2.32	1.99	4.00	2.60	17.72	121.17	0.00	121.17	18.16	2.10	0.00	4.00	0.94	0.85	2.69	18.37	0.07	26.15	4.00
702	7.02	2.31	45.53	8.72	1.97	2.31	1.97	4.00	2.60	17.70	121.35	0.00	121.35	18.05	2.08	0.00	4.00	0.94	0.84	2.69	18.26	0.07	26.18	4.00
703	7.03	2.31	45.28	8.72	1.96	2.31	1.96	4.00	2.60	17.70	121.53	0.00	121.53	18.02	2.07	0.00	4.00	0.93	0.84	2.69	18.24	0.07	26.22	4.00
704	7.04	2.30	45.02	8.72	1.96	2.30	1.96	4.00	2.60	17.69	121.70	0.00	121.70	17.91	2.07	0.00	4.00	0.94	0.84	2.69	18.13	0.07	26.18	4.00
705	7.05	2.29	44.02	8.72	1.92	2.29	1.92	4.00	2.60	17.66	121.88	0.00	121.88	17.80	2.03	0.00	4.00	0.94	0.84	2.69	18.02	0.07	26.30	4.00
706	7.06	2.28	43.73	8.72	1.92	2.28	1.92	4.00	2.60	17.65	122.06	0.00	122.06	17.70	2.02	0.00	4.00	0.94	0.84	2.69	17.91	0.07	26.26	4.00
707	7.07	2.26	43.42	8.82	1.92	2.26	1.92	4.00	2.60	17.64	122.23	0.00	122.23	17.50	2.03	0.00	4.00	0.94	0.84	2.70	17.71	0.07	26.16	4.00
708	7.08	2.26	43.04	8.82	1.91	2.26	1.90	4.00	2.60	17.63	122.41	0.00	122.41	17.48	2.01	0.00	4.00	0.94	0.84	2.69	17.69	0.07	26.22	4.00
709	7.09	2.26	42.79	8.72	1.89	2.26	1.89	4.00	2.60	17.62	122.58	0.00	122.58	17.45	2.00	0.00	4.00	0.94	0.84	2.69	17.66	0.07	26.26	4.00
710	7.10	2.26	42.57	8.82	1.88	2.26	1.88	4.00	2.59	17.62	122.76	0.00	122.76	17.42	1.99	0.00	4.00	0.94	0.84	2.69	17.64	0.07	26.30	4.00
711	7.11	2.26	42.34	8.82	1.87	2.26	1.87	4.00	2.59	17.61	122.94	0.00	122.94	17.40	1.98	0.00	4.00	0.94	0.83	2.69	17.61	0.07	26.33	4.00
712	7.12	2.27	41.65	8.82	1.83	2.27	1.83	4.00	2.59	17.59	123.11	0.00	123.11	17.45	1.94	0.00	4.00	0.93	0.83	2.69	17.68	0.07	26.55	4.00
713	7.13	2.28	41.46	8.91	1.82	2.28	1.82	4.00	2.58	17.59	123.29	0.00	123.29	17.51	1.92	0.00	4.00	0.93	0.83	2.68	17.74	0.07	26.65	4.00
714	7.14	2.29	41.40	8.91	1.81	2.29	1.81	4.00	2.58	17.59	123.46	0.00	123.46	17.56	1.91	0.00	4.00	0.93	0.83	2.68	17.80	0.07	26.74	4.00
715	7.15	2.30	41.59	8.91	1.81	2.30	1.81	4.00	2.58	17.60	123.64	0.00	123.64	17.62	1.91	0.00	4.00	0.93	0.83	2.68	17.86	0.07	26.76	4.00
716	7.16	2.32	41.87	9.01	1.81	2.32	1.80	4.00	2.57	17.61	123.82	0.00	123.82	17.75	1.90	0.00	4.00	0.93	0.83	2.67	18.00	0.07	26.85	4.00
717	7.17	2.34	42.22	9.01	1.80	2.34	1.80	4.00	2.57	17.62	123.99	0.00	123.99	17.89	1.90	0.00	4.00	0.93	0.83	2.67	18.14	0.07	26.92	4.00
718	7.18	2.36	42.34	9.10	1.80	2.36	1.79	4.00	2.57	17.63	124.17	0.00	124.17	18.02	1.89	0.00	4.00	0.93	0.83	2.67	18.29	0.07	27.04	4.00
719	7.19	2.37	42.41	9.10	1.79	2.37	1.79	4.00	2.57	17.63	124.35	0.00	124.35	18.08	1.89	0.00	4.00	0.93	0.83	2.67	18.35	0.07	27.10	4.00
720	7.20	2.40	42.34	9.10	1.77	2.40	1.76	4.00	2.56	17.63	124.52	0.00	124.52	18.29	1.86	0.00	4.00	0.92	0.83	2.66	18.58	0.07	27.34	4.00

Via di Belvedere 11/B 55054 Bozzano - Massarosa (LU) T (+39)328.6122159 C. Fisc & Part. IVA 02589320460 info@geodeep.it

GeoDeep
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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
721	7.21	2.41	42.69	9.20	1.77	2.41	1.77	4.00	2.56	17.64	124.70	0.00	124.70	18.34	1.87	0.00	4.00	0.92	0.83	2.66	18.63	0.07	27.33	4.00
722	7.22	2.41	42.88	9.20	1.78	2.41	1.78	4.00	2.56	17.65	124.87	0.00	124.87	18.31	1.87	0.00	4.00	0.92	0.82	2.66	18.61	0.07	27.27	4.00
723	7.23	2.42	43.45	9.20	1.80	2.42	1.79	4.00	2.56	17.67	125.05	0.00	125.05	18.37	1.89	0.00	4.00	0.93	0.82	2.66	18.66	0.07	27.22	4.00
724	7.24	2.42	43.54	9.20	1.80	2.42	1.80	4.00	2.56	17.67	125.23	0.00	125.23	18.34	1.90	0.00	4.00	0.93	0.82	2.66	18.63	0.07	27.18	4.00
725	7.25	2.44	43.57	9.20	1.79	2.44	1.78	4.00	2.55	17.67	125.40	0.00	125.40	18.47	1.88	0.00	4.00	0.92	0.82	2.66	18.77	0.07	27.32	4.00
726	7.26	2.46	43.76	9.30	1.78	2.46	1.78	4.00	2.55	17.68	125.58	0.00	125.58	18.60	1.87	0.00	4.00	0.92	0.82	2.65	18.92	0.07	27.43	4.00
727	7.27	2.48	44.11	9.39	1.78	2.48	1.78	4.00	2.55	17.69	125.76	0.00	125.76	18.74	1.87	0.00	4.00	0.92	0.82	2.65	19.06	0.07	27.50	4.00
728	7.28	2.52	44.46	9.49	1.76	2.52	1.76	4.00	2.54	17.71	125.94	0.00	125.94	19.03	1.86	0.00	4.00	0.92	0.82	2.64	19.36	0.08	27.72	4.00
729	7.29	2.55	44.84	9.39	1.76	2.55	1.76	4.00	2.53	17.72	126.11	0.00	126.11	19.24	1.85	0.00	4.00	0.92	0.82	2.64	19.59	0.07	27.86	4.00
730	7.30	2.60	45.62	9.49	1.75	2.60	1.75	4.00	2.53	17.75	126.29	0.00	126.29	19.60	1.84	0.00	4.00	0.91	0.82	2.63	19.98	0.08	28.07	4.00
731	7.31	2.63	46.00	9.49	1.75	2.63	1.75	4.00	2.52	17.76	126.47	0.00	126.47	19.81	1.84	0.00	4.00	0.91	0.82	2.62	20.20	0.08	28.20	4.00
732	7.32	2.67	46.66	9.58	1.75	2.67	1.75	4.00	2.52	17.79	126.65	0.00	126.65	20.10	1.83	0.00	4.00	0.91	0.82	2.62	20.50	0.08	28.35	4.00
733	7.33	2.70	47.36	9.68	1.75	2.70	1.75	4.00	2.51	17.81	126.82	0.00	126.82	20.31	1.84	0.00	4.00	0.91	0.82	2.62	20.72	0.08	28.42	4.00
734	7.34	2.72	48.02	9.68	1.77	2.72	1.76	4.00	2.51	17.83	127.00	0.00	127.00	20.43	1.85	0.00	4.00	0.91	0.81	2.61	20.86	0.08	28.41	4.00
735	7.35	2.77	48.97	9.78	1.77	2.77	1.77	5.00	2.51	17.85	127.18	0.00	127.18	20.80	1.85	0.00	4.00	0.91	0.81	2.61	21.24	0.08	28.58	4.00
736	7.36	2.79	49.22	9.78	1.77	2.79	1.76	5.00	2.50	17.86	127.36	0.00	127.36	20.92	1.85	0.00	4.00	0.91	0.81	2.61	21.38	0.08	28.66	4.00
737	7.37	2.81	49.34	9.87	1.76	2.81	1.75	5.00	2.50	17.87	127.54	0.00	127.54	21.05	1.84	0.00	4.00	0.90	0.81	2.60	21.52	0.08	28.77	4.00
738	7.38	2.84	50.13	9.97	1.76	2.84	1.76	5.00	2.50	17.89	127.72	0.00	127.72	21.25	1.85	0.00	4.00	0.90	0.81	2.60	21.73	0.08	28.81	4.00
739	7.39	2.85	50.64	9.97	1.78	2.85	1.78	5.00	2.50	17.90	127.90	0.00	127.90	21.30	1.86	0.00	4.00	0.90	0.81	2.60	21.78	0.08	28.76	4.00
740	7.40	2.86	51.87	9.97	1.82	2.86	1.81	5.00	2.50	17.93	128.08	0.00	128.08	21.35	1.90	0.00	4.00	0.91	0.81	2.60	21.82	0.08	28.57	4.00
741	7.41	2.84	52.21	9.97	1.84	2.84	1.84	4.00	2.51	17.94	128.25	0.00	128.25	21.16	1.92	0.00	4.00	0.91	0.81	2.61	21.62	0.08	28.34	4.00
742	7.42	2.84	52.24	9.97	1.84	2.84	1.84	4.00	2.51	17.94	128.43	0.00	128.43	21.13	1.93	0.00	4.00	0.91	0.81	2.61	21.59	0.08	28.32	4.00
743	7.43	2.81	52.53	10.06	1.87	2.81	1.87	4.00	2.52	17.94	128.61	0.00	128.61	20.86	1.96	0.00	4.00	0.91	0.80	2.62	21.31	0.08	28.03	4.00
744	7.44	2.80	52.43	10.06	1.87	2.80	1.87	4.00	2.52	17.94	128.79	0.00	128.79	20.76	1.96	0.00	4.00	0.91	0.80	2.62	21.19	0.08	27.96	4.00
745	7.45	2.78	52.53	10.06	1.89	2.78	1.89	4.00	2.52	17.94	128.97	0.00	128.97	20.57	1.98	0.00	4.00	0.92	0.80	2.63	21.00	0.08	27.78	4.00
746	7.46	2.77	52.56	10.06	1.90	2.77	1.90	4.00	2.53	17.94	129.15	0.00	129.15	20.46	1.99	0.00	4.00	0.92	0.80	2.63	20.88	0.08	27.69	4.00
747	7.47	2.73	52.34	10.06	1.92	2.73	1.92	4.00	2.53	17.93	129.33	0.00	129.33	20.13	2.01	0.00	4.00	0.92	0.80	2.64	20.52	0.08	27.43	4.00
748	7.48	2.69	52.28	10.16	1.94	2.69	1.94	4.00	2.54	17.92	129.51	0.00	129.51	19.79	2.04	0.00	4.00	0.92	0.80	2.65	20.16	0.08	27.14	4.00
749	7.49	2.65	52.21	10.16	1.97	2.65	1.97	4.00	2.55	17.91	129.69	0.00	129.69	19.45	2.07	0.00	4.00	0.93	0.80	2.66	19.80	0.08	26.85	4.00
750	7.50	2.53	52.24	10.06	2.06	2.53	2.06	4.00	2.58	17.89	129.87	0.00	129.87	18.50	2.17	0.00	4.00	0.94	0.79	2.69	18.78	0.08	25.96	4.00
751	7.51	2.43	52.24	10.06	2.15	2.43	2.15	4.00	2.60	17.88	130.05	0.00	130.05	17.70	2.27	0.00	4.00	0.95	0.79	2.72	17.92	0.08	25.23	4.00
752	7.52	2.34	52.75	9.97	2.25	2.34	2.25	4.00	2.63	17.88	130.23	0.00	130.23	16.98	2.38	0.00	4.00	0.96	0.79	2.75	17.15	0.08	24.48	4.00
753	7.53	2.09	53.16	9.78	2.54	2.09	2.54	4.00	2.70	17.84	130.40	0.00	130.40	15.04	2.71	0.00	4.00	0.99	0.78	2.83	15.08	0.07	22.62	4.00
754	7.54	2.02	53.29	9.78	2.64	2.02	2.64	4.00	2.72	17.83	130.58	0.00	130.58	14.48	2.82	0.01	4.00	1.00	0.78	2.85	14.48	0.07	22.10	4.00
755	7.55	2.00	53.44	9.68	2.67	2.00	2.67	4.00	2.73	17.83	130.76	0.00	130.76	14.31	2.86	0.01	3.00	1.00	0.77	2.86	14.31	0.07	21.93	2.00
756	7.56	2.02	55.52	9.68	2.75	2.02	2.75	4.00	2.73	17.88	130.94	0.00	130.94	14.44	2.94	0.01	3.00	1.00	0.77	2.86	14.44	0.07	21.75	2.00
757	7.57	2.04	57.04	10.06	2.80	2.04	2.79	4.00	2.73	17.91	131.12	0.00	131.12	14.57	2.98	0.01	3.00	1.00	0.77	2.86	14.57	0.08	21.65	2.00
758	7.58	2.09	62.71	10.45	3.00	2.09	3.00	4.00	2.74	18.03	131.30	0.00	131.30	14.93	3.20	0.01	3.00	1.00	0.77	2.87	14.93	0.08	21.17	3.00
759	7.59	2.13	64.48	10.64	3.03	2.13	3.02	4.00	2.74	18.07	131.48	0.00	131.48	15.22	3.22	0.01	3.00	1.00	0.77	2.87	15.22	0.08	21.18	3.00
760	7.60	2.17	68.67	10.73	3.17	2.17	3.16	4.00	2.74	18.15	131.66	0.00	131.66	15.50	3.37	0.01	3.00	1.00	0.77	2.87	15.50	0.08	20.87	3.00
761	7.61	2.22	70.53	10.73	3.17	2.22	3.17	4.00	2.74	18.19	131.84	0.00	131.84	15.86	3.37	0.01	3.00	1.00	0.77	2.86	15.86	0.08	20.94	3.00
762	7.62	2.34	72.46	10.83	3.09	2.34	3.09	4.00	2.71	18.24	132.03	0.00	132.03	16.74	3.28	0.00	3.00	1.00	0.77	2.84	16.76	0.08	21.42	3.00
763	7.63	2.42	72.90	10.93	3.01	2.42	3.01	4.00	2.69	18.26	132.21	0.00	132.21	17.32	3.18	0.00	4.00	0.99	0.77	2.82	17.37	0.08	21.85	3.00
764	7.64	2.50	73.78	10.93	2.95	2.50	2.95	4.00	2.68	18.29	132.39	0.00	132.39	17.90	3.11	0.00	4.00	0.98	0.77	2.80	17.99	0.08	22.21	5.00
765	7.65	2.73	78.07	11.21	2.85	2.73	2.86	4.00	2.64	18.39	132.57	0.00	132.57	19.61	3.00	0.00	4.00	0.97	0.77	2.76	19.79	0.08	23.02	5.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
766	7.66	2.85	80.27	11.31	2.82	2.85	2.81	4.00	2.62	18.43	132.76	0.00	132.76	20.49	2.95	0.00	4.00	0.96	0.77	2.74	20.72	0.09	23.42	5.00
767	7.67	2.90	80.72	11.41	2.78	2.90	2.78	4.00	2.61	18.45	132.94	0.00	132.94	20.83	2.91	0.00	4.00	0.96	0.77	2.73	21.09	0.09	23.65	5.00
768	7.68	2.88	78.00	11.41	2.71	2.88	2.71	4.00	2.61	18.41	133.13	0.00	133.13	20.65	2.84	0.00	4.00	0.95	0.77	2.72	20.92	0.09	23.90	5.00
769	7.69	2.85	76.14	11.31	2.67	2.85	2.67	4.00	2.61	18.37	133.31	0.00	133.31	20.40	2.80	0.00	4.00	0.95	0.77	2.72	20.66	0.08	23.98	5.00
770	7.70	2.73	72.58	11.21	2.65	2.73	2.66	4.00	2.62	18.30	133.49	0.00	133.49	19.47	2.79	0.00	4.00	0.96	0.77	2.74	19.68	0.08	23.75	5.00
771	7.71	2.68	70.50	11.21	2.63	2.68	2.63	4.00	2.62	18.26	133.68	0.00	133.68	19.07	2.77	0.00	4.00	0.96	0.77	2.75	19.27	0.08	23.74	5.00
772	7.72	2.60	68.26	11.21	2.62	2.60	2.62	4.00	2.63	18.21	133.86	0.00	133.86	18.44	2.77	0.00	4.00	0.97	0.76	2.76	18.61	0.08	23.56	5.00
773	7.73	2.45	62.93	11.12	2.57	2.45	2.57	4.00	2.65	18.10	134.04	0.00	134.04	17.30	2.71	0.00	4.00	0.97	0.76	2.78	17.42	0.08	23.38	5.00
774	7.74	2.39	59.65	11.12	2.50	2.39	2.49	4.00	2.65	18.03	134.22	0.00	134.22	16.82	2.64	0.00	4.00	0.97	0.76	2.78	16.94	0.08	23.48	5.00
775	7.75	2.31	56.69	11.02	2.45	2.31	2.45	4.00	2.66	17.95	134.40	0.00	134.40	16.20	2.60	0.01	4.00	0.98	0.76	2.79	16.30	0.08	23.39	4.00
776	7.76	2.22	52.56	11.02	2.37	2.22	2.37	4.00	2.66	17.85	134.58	0.00	134.58	15.51	2.52	0.01	4.00	0.98	0.76	2.80	15.60	0.08	23.43	4.00
777	7.77	2.18	51.46	11.02	2.36	2.18	2.36	4.00	2.66	17.82	134.76	0.00	134.76	15.19	2.51	0.01	4.00	0.98	0.76	2.80	15.26	0.08	23.31	4.00
778	7.78	2.15	49.72	11.02	2.32	2.15	2.31	4.00	2.66	17.78	134.93	0.00	134.93	14.95	2.46	0.01	4.00	0.98	0.75	2.80	15.02	0.08	23.38	4.00
779	7.79	2.13	48.43	11.02	2.28	2.13	2.27	4.00	2.66	17.74	135.11	0.00	135.11	14.78	2.42	0.01	4.00	0.98	0.75	2.80	14.85	0.08	23.44	4.00
780	7.80	2.07	43.23	11.02	2.09	2.07	2.09	4.00	2.65	17.60	135.29	0.00	135.29	14.32	2.23	0.01	4.00	0.98	0.75	2.79	14.40	0.08	23.89	4.00
781	7.81	2.06	42.47	11.02	2.07	2.06	2.06	4.00	2.65	17.58	135.46	0.00	135.46	14.22	2.20	0.01	4.00	0.98	0.75	2.79	14.30	0.08	23.94	4.00
782	7.82	2.02	43.98	11.02	2.17	2.02	2.17	4.00	2.67	17.61	135.64	0.00	135.64	13.91	2.33	0.01	4.00	0.99	0.75	2.82	13.95	0.08	23.36	4.00
783	7.83	2.00	45.69	11.02	2.28	2.00	2.28	4.00	2.69	17.65	135.82	0.00	135.82	13.74	2.45	0.01	4.00	1.00	0.75	2.83	13.76	0.08	22.91	4.00
784	7.84	1.99	47.48	11.02	2.38	1.99	2.38	4.00	2.70	17.69	135.99	0.00	135.99	13.65	2.56	0.01	4.00	1.00	0.75	2.85	13.65	0.08	22.54	4.00
785	7.85	1.99	49.28	11.02	2.48	1.99	2.47	4.00	2.71	17.74	136.17	0.00	136.17	13.63	2.65	0.01	4.00	1.00	0.74	2.86	13.63	0.08	22.25	4.00
786	7.86	1.99	49.28	11.02	2.48	1.99	2.47	4.00	2.71	17.74	136.35	0.00	136.35	13.61	2.66	0.01	4.00	1.00	0.74	2.86	13.61	0.08	22.25	4.00
787	7.87	1.99	49.41	11.12	2.49	1.99	2.48	4.00	2.71	17.74	136.52	0.00	136.52	13.59	2.66	0.01	4.00	1.00	0.74	2.86	13.59	0.08	22.22	4.00
788	7.88	1.99	48.75	11.12	2.45	1.99	2.45	4.00	2.71	17.72	136.70	0.00	136.70	13.57	2.63	0.01	4.00	1.00	0.74	2.85	13.57	0.08	22.31	4.00
789	7.89	1.99	48.11	11.12	2.42	1.99	2.41	4.00	2.70	17.71	136.88	0.00	136.88	13.56	2.59	0.01	4.00	1.00	0.74	2.85	13.56	0.08	22.40	4.00
790	7.90	2.00	47.39	11.12	2.37	2.00	2.37	4.00	2.70	17.69	137.06	0.00	137.06	13.61	2.54	0.01	4.00	1.00	0.74	2.85	13.61	0.08	22.58	4.00
791	7.91	2.00	47.39	11.12	2.37	2.00	2.37	4.00	2.70	17.69	137.23	0.00	137.23	13.59	2.54	0.01	4.00	1.00	0.74	2.85	13.59	0.08	22.57	4.00
792	7.92	2.00	47.39	11.12	2.37	2.00	2.37	4.00	2.70	17.69	137.41	0.00	137.41	13.57	2.54	0.01	4.00	1.00	0.74	2.85	13.57	0.08	22.56	4.00
793	7.93	1.75	39.57	9.87	2.27	1.75	2.26	4.00	2.73	17.43	137.58	0.00	137.58	11.73	2.45	0.01	3.00	1.00	0.74	2.89	11.73	0.07	22.01	2.00
794	7.94	1.68	38.94	9.87	2.32	1.68	2.31	4.00	2.75	17.40	137.76	0.00	137.76	11.21	2.52	0.01	3.00	1.00	0.74	2.91	11.21	0.07	21.58	2.00
795	7.95	1.48	38.02	9.58	2.56	1.48	2.57	4.00	2.82	17.32	137.93	0.00	137.93	9.74	2.83	0.01	3.00	1.00	0.73	2.99	9.74	0.07	20.24	2.00
796	7.96	1.39	39.03	9.49	2.81	1.39	2.80	3.00	2.87	17.33	138.10	0.00	138.10	9.08	3.11	0.01	3.00	1.00	0.73	3.04	9.08	0.07	19.42	2.00
797	7.97	1.25	40.93	9.30	3.27	1.25	3.27	3.00	2.94	17.34	138.28	0.00	138.28	8.05	3.68	0.01	3.00	1.00	0.73	3.12	8.05	0.07	18.13	2.00
798	7.98	1.19	43.01	9.30	3.61	1.19	3.61	3.00	2.99	17.38	138.45	0.00	138.45	7.61	4.08	0.01	3.00	1.00	0.73	3.17	7.61	0.07	17.42	2.00
799	7.99	1.12	46.44	9.20	4.14	1.12	4.14	3.00	3.04	17.45	138.63	0.00	138.63	7.09	4.72	0.01	3.00	1.00	0.73	3.23	7.09	0.07	16.52	2.00
800	8.00	1.07	52.75	9.97	4.91	1.07	4.92	3.00	3.10	17.58	138.80	0.00	138.80	6.72	5.65	0.01	3.00	1.00	0.73	3.30	6.72	0.07	15.48	2.00
801	8.01	1.12	53.29	10.54	4.77	1.12	4.75	3.00	3.08	17.61	138.98	0.00	138.98	7.07	5.42	0.01	3.00	1.00	0.73	3.27	7.07	0.08	15.76	2.00
802	8.02	1.26	54.61	11.21	4.35	1.26	4.33	3.00	3.01	17.68	139.16	0.00	139.16	8.07	4.86	0.01	3.00	1.00	0.73	3.19	8.07	0.08	16.54	2.00
803	8.03	1.33	55.05	11.50	4.14	1.33	4.13	3.00	2.98	17.71	139.33	0.00	139.33	8.56	4.61	0.01	3.00	1.00	0.73	3.16	8.56	0.08	16.95	2.00
804	8.04	1.42	55.87	11.79	3.95	1.42	3.93	3.00	2.95	17.75	139.51	0.00	139.51	9.20	4.35	0.01	3.00	1.00	0.73	3.12	9.20	0.08	17.44	2.00
805	8.05	1.59	57.35	11.98	3.62	1.59	3.60	3.00	2.89	17.82	139.69	0.00	139.69	10.40	3.95	0.01	3.00	1.00	0.73	3.05	10.40	0.09	18.37	2.00
806	8.06	1.68	57.60	12.08	3.42	1.68	3.42	3.00	2.85	17.85	139.87	0.00	139.87	11.03	3.73	0.01	3.00	1.00	0.72	3.02	11.03	0.09	18.91	2.00
807	8.07	1.75	57.32	12.08	3.28	1.75	3.27	3.00	2.83	17.86	140.05	0.00	140.05	11.51	3.55	0.01	3.00	1.00	0.72	2.99	11.51	0.09	19.39	2.00
808	8.08	1.77	55.49	12.08	3.14	1.77	3.13	4.00	2.81	17.83	140.22	0.00	140.22	11.64	3.40	0.01	3.00	1.00	0.72	2.97	11.64	0.09	19.75	2.00
809	8.09	1.78	53.44	12.08	3.00	1.78	3.00	4.00	2.80	17.79	140.40	0.00	140.40	11.70	3.25	0.01	3.00	1.00	0.72	2.96	11.70	0.09	20.08	2.00
810	8.10	1.81	49.06	12.17	2.71	1.81	2.71	4.00	2.77	17.69	140.58	0.00	140.58	11.89	2.93	0.01	3.00	1.00	0.72	2.93	11.89	0.09	20.87	2.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
811	8.11	1.82	46.60	12.17	2.56	1.82	2.56	4.00	2.75	17.64	140.75	0.00	140.75	11.95	2.77	0.01	3.00	1.00	0.72	2.91	11.95	0.09	21.29	2.00
812	8.12	1.84	44.33	12.17	2.41	1.84	2.41	4.00	2.73	17.58	140.93	0.00	140.93	12.07	2.61	0.01	3.00	1.00	0.72	2.89	12.07	0.09	21.76	2.00
813	8.13	1.85	40.80	12.08	2.21	1.85	2.20	4.00	2.71	17.49	141.11	0.00	141.11	12.13	2.38	0.01	4.00	1.00	0.72	2.87	12.13	0.09	22.37	4.00
814	8.14	1.84	38.34	12.17	2.08	1.84	2.08	4.00	2.69	17.42	141.28	0.00	141.28	12.04	2.25	0.01	4.00	1.00	0.72	2.86	12.04	0.09	22.69	4.00
815	8.15	1.82	35.85	12.08	1.97	1.82	1.97	4.00	2.68	17.34	141.45	0.00	141.45	11.88	2.13	0.01	4.00	1.00	0.72	2.85	11.88	0.09	22.95	4.00
816	8.16	1.81	35.38	12.17	1.95	1.81	1.95	4.00	2.68	17.32	141.63	0.00	141.63	11.80	2.12	0.01	4.00	1.00	0.72	2.85	11.80	0.09	22.95	4.00
817	8.17	1.79	34.37	12.08	1.92	1.79	1.92	4.00	2.68	17.28	141.80	0.00	141.80	11.64	2.08	0.01	4.00	1.00	0.71	2.85	11.64	0.09	22.96	4.00
818	8.18	1.79	32.73	12.08	1.83	1.79	1.83	4.00	2.67	17.22	141.97	0.00	141.97	11.63	1.98	0.01	4.00	1.00	0.71	2.84	11.63	0.09	23.24	4.00
819	8.19	1.78	31.75	12.17	1.78	1.78	1.78	4.00	2.67	17.19	142.14	0.00	142.14	11.54	1.94	0.01	4.00	1.00	0.71	2.84	11.54	0.09	23.33	4.00
820	8.20	1.77	30.58	12.17	1.72	1.77	1.73	4.00	2.66	17.14	142.31	0.00	142.31	11.46	1.88	0.01	4.00	1.00	0.71	2.84	11.46	0.09	23.45	4.00
821	8.21	1.77	30.17	12.08	1.70	1.77	1.70	4.00	2.66	17.13	142.49	0.00	142.49	11.44	1.85	0.01	4.00	1.00	0.71	2.83	11.44	0.08	23.52	4.00
822	8.22	1.76	29.45	12.08	1.68	1.76	1.67	4.00	2.66	17.10	142.66	0.00	142.66	11.36	1.82	0.01	4.00	1.00	0.71	2.83	11.36	0.08	23.56	4.00
823	8.23	1.73	28.76	12.08	1.67	1.73	1.66	4.00	2.66	17.06	142.83	0.00	142.83	11.13	1.81	0.01	4.00	1.00	0.71	2.84	11.13	0.08	23.44	4.00
824	8.24	1.69	28.69	12.08	1.70	1.69	1.70	4.00	2.67	17.05	143.00	0.00	143.00	10.84	1.85	0.01	4.00	1.00	0.71	2.85	10.84	0.08	23.13	4.00
825	8.25	1.65	28.69	12.08	1.74	1.65	1.74	4.00	2.69	17.04	143.17	0.00	143.17	10.54	1.90	0.01	4.00	1.00	0.71	2.87	10.54	0.08	22.82	4.00
826	8.26	1.60	28.57	11.98	1.79	1.60	1.78	4.00	2.71	17.02	143.34	0.00	143.34	10.18	1.96	0.01	4.00	1.00	0.71	2.89	10.18	0.08	22.44	4.00
827	8.27	1.56	28.31	11.98	1.81	1.56	1.81	4.00	2.72	17.00	143.51	0.00	143.51	9.89	2.00	0.01	4.00	1.00	0.71	2.90	9.89	0.08	22.16	1.00
828	8.28	1.51	27.71	11.88	1.84	1.51	1.83	4.00	2.73	16.97	143.68	0.00	143.68	9.53	2.02	0.01	3.00	1.00	0.71	2.92	9.53	0.08	21.87	2.00
829	8.29	1.47	27.30	11.88	1.86	1.47	1.85	4.00	2.75	16.94	143.85	0.00	143.85	9.24	2.05	0.01	3.00	1.00	0.70	2.94	9.24	0.08	21.62	2.00
830	8.30	1.44	27.02	11.88	1.88	1.44	1.87	4.00	2.76	16.92	144.02	0.00	144.02	9.02	2.08	0.01	3.00	1.00	0.70	2.95	9.02	0.08	21.42	2.00
831	8.31	1.39	25.85	11.79	1.86	1.39	1.86	4.00	2.77	16.86	144.19	0.00	144.19	8.66	2.07	0.01	3.00	1.00	0.70	2.96	8.66	0.08	21.22	2.00
832	8.32	1.38	25.38	11.79	1.84	1.38	1.84	4.00	2.77	16.83	144.35	0.00	144.35	8.58	2.05	0.01	3.00	1.00	0.70	2.96	8.58	0.08	21.21	2.00
833	8.33	1.36	24.34	11.79	1.79	1.36	1.79	4.00	2.77	16.78	144.52	0.00	144.52	8.43	2.00	0.01	3.00	1.00	0.70	2.96	8.43	0.08	21.22	1.00
834	8.34	1.36	23.90	11.79	1.76	1.36	1.75	4.00	2.76	16.76	144.69	0.00	144.69	8.42	1.96	0.01	3.00	1.00	0.70	2.96	8.42	0.08	21.29	1.00
835	8.35	1.37	23.02	11.79	1.68	1.37	1.68	4.00	2.75	16.72	144.86	0.00	144.86	8.47	1.88	0.01	3.00	1.00	0.70	2.95	8.47	0.08	21.51	1.00
836	8.36	1.38	22.51	11.88	1.63	1.38	1.63	4.00	2.74	16.69	145.02	0.00	145.02	8.53	1.82	0.01	3.00	1.00	0.70	2.94	8.53	0.08	21.67	1.00
837	8.37	1.40	22.17	11.88	1.58	1.40	1.58	4.00	2.73	16.68	145.19	0.00	145.19	8.66	1.76	0.01	4.00	1.00	0.70	2.93	8.66	0.08	21.88	1.00
838	8.38	1.44	21.35	11.88	1.49	1.44	1.48	4.00	2.70	16.65	145.36	0.00	145.36	8.92	1.65	0.01	4.00	1.00	0.70	2.90	8.92	0.08	22.35	1.00
839	8.39	1.45	21.16	11.88	1.46	1.45	1.46	4.00	2.70	16.64	145.52	0.00	145.52	8.98	1.62	0.01	4.00	1.00	0.70	2.89	8.98	0.08	22.45	1.00
840	8.40	1.47	20.97	11.98	1.43	1.47	1.42	4.00	2.69	16.64	145.69	0.00	145.69	9.11	1.58	0.01	4.00	1.00	0.70	2.88	9.11	0.08	22.64	1.00
841	8.41	1.50	20.84	11.98	1.39	1.50	1.39	4.00	2.67	16.64	145.86	0.00	145.86	9.30	1.54	0.01	4.00	1.00	0.69	2.87	9.30	0.08	22.90	1.00
842	8.42	1.50	20.94	11.98	1.40	1.50	1.39	4.00	2.67	16.64	146.02	0.00	146.02	9.29	1.54	0.01	4.00	1.00	0.69	2.87	9.29	0.08	22.87	1.00
843	8.43	1.51	21.19	11.98	1.41	1.51	1.40	4.00	2.67	16.66	146.19	0.00	146.19	9.35	1.55	0.01	4.00	1.00	0.69	2.87	9.35	0.08	22.90	1.00
844	8.44	1.50	21.69	11.98	1.45	1.50	1.44	4.00	2.68	16.68	146.36	0.00	146.36	9.27	1.60	0.01	4.00	1.00	0.69	2.88	9.27	0.08	22.71	1.00
845	8.45	1.51	22.54	11.98	1.50	1.51	1.49	4.00	2.69	16.73	146.52	0.00	146.52	9.32	1.65	0.01	4.00	1.00	0.69	2.88	9.32	0.08	22.63	1.00
846	8.46	1.51	23.27	11.98	1.54	1.51	1.54	4.00	2.69	16.77	146.69	0.00	146.69	9.31	1.70	0.01	4.00	1.00	0.69	2.89	9.31	0.08	22.49	1.00
847	8.47	1.52	23.43	11.98	1.54	1.52	1.54	4.00	2.69	16.78	146.86	0.00	146.86	9.37	1.70	0.01	4.00	1.00	0.69	2.89	9.37	0.08	22.53	1.00
848	8.48	1.51	23.58	11.98	1.57	1.51	1.56	4.00	2.70	16.78	147.03	0.00	147.03	9.29	1.73	0.01	4.00	1.00	0.69	2.90	9.29	0.08	22.42	1.00
849	8.49	1.46	24.03	11.98	1.64	1.46	1.64	4.00	2.72	16.79	147.19	0.00	147.19	8.94	1.83	0.01	4.00	1.00	0.69	2.92	8.94	0.08	21.94	1.00
850	8.50	1.45	24.34	11.98	1.68	1.45	1.68	4.00	2.73	16.80	147.36	0.00	147.36	8.86	1.86	0.01	3.00	1.00	0.69	2.93	8.86	0.08	21.80	1.00
851	8.51	1.43	24.62	11.88	1.73	1.43	1.72	4.00	2.74	16.81	147.53	0.00	147.53	8.71	1.92	0.01	3.00	1.00	0.69	2.94	8.71	0.08	21.58	1.00
852	8.52	1.39	24.94	11.88	1.80	1.39	1.79	4.00	2.76	16.81	147.70	0.00	147.70	8.43	2.00	0.01	3.00	1.00	0.69	2.96	8.43	0.08	21.21	0.00
853	8.53	1.37	25.07	11.88	1.83	1.37	1.83	4.00	2.77	16.82	147.87	0.00	147.87	8.28	2.05	0.01	3.00	1.00	0.69	2.98	8.28	0.08	21.02	2.00
854	8.54	1.35	26.30	11.88	1.95	1.35	1.94	4.00	2.79	16.86	148.04	0.00	148.04	8.14	2.18	0.01	3.00	1.00	0.68	3.00	8.14	0.08	20.66	2.00
855	8.55	1.36	26.96	11.88	1.99	1.36	1.98	4.00	2.79	16.90	148.20	0.00	148.20	8.19	2.22	0.01	3.00	1.00	0.68	3.00	8.19	0.08	20.63	2.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
856	8.56	1.38	28.35	11.88	2.06	1.38	2.05	4.00	2.79	16.96	148.37	0.00	148.37	8.32	2.30	0.01	3.00	1.00	0.68	3.00	8.32	0.08	20.56	2.00
857	8.57	1.39	29.29	11.88	2.10	1.39	2.10	4.00	2.80	17.00	148.54	0.00	148.54	8.37	2.35	0.01	3.00	1.00	0.68	3.00	8.37	0.08	20.48	2.00
858	8.58	1.42	29.67	11.98	2.09	1.42	2.09	4.00	2.79	17.02	148.71	0.00	148.71	8.57	2.33	0.01	3.00	1.00	0.68	2.99	8.57	0.08	20.64	2.00
859	8.59	1.46	29.73	11.98	2.04	1.46	2.03	4.00	2.77	17.04	148.88	0.00	148.88	8.82	2.26	0.01	3.00	1.00	0.68	2.98	8.82	0.08	20.92	2.00
860	8.60	1.46	29.45	11.98	2.02	1.46	2.01	4.00	2.77	17.02	149.05	0.00	149.05	8.81	2.24	0.01	3.00	1.00	0.68	2.97	8.81	0.08	20.96	2.00
861	8.61	1.45	29.04	11.98	2.00	1.45	2.00	4.00	2.77	17.01	149.22	0.00	149.22	8.73	2.23	0.01	3.00	1.00	0.68	2.98	8.73	0.08	20.94	2.00
862	8.62	1.45	29.13	12.08	2.01	1.45	2.01	4.00	2.77	17.01	149.39	0.00	149.39	8.72	2.24	0.01	3.00	1.00	0.68	2.98	8.72	0.08	20.92	2.00
863	8.63	1.45	29.70	11.98	2.04	1.45	2.04	4.00	2.77	17.03	149.56	0.00	149.56	8.71	2.28	0.01	3.00	1.00	0.68	2.98	8.71	0.08	20.82	2.00
864	8.64	1.47	30.55	11.98	2.07	1.47	2.07	4.00	2.77	17.07	149.74	0.00	149.74	8.83	2.31	0.01	3.00	1.00	0.68	2.98	8.83	0.08	20.83	2.00
865	8.65	1.48	31.37	12.08	2.11	1.48	2.12	4.00	2.77	17.10	149.91	0.00	149.91	8.89	2.35	0.01	3.00	1.00	0.68	2.98	8.89	0.08	20.77	2.00
866	8.66	1.54	31.69	12.17	2.06	1.54	2.05	4.00	2.75	17.13	150.08	0.00	150.08	9.28	2.28	0.01	3.00	1.00	0.68	2.96	9.28	0.08	21.16	2.00
867	8.67	1.46	31.03	12.17	2.12	1.46	2.12	4.00	2.78	17.08	150.25	0.00	150.25	8.73	2.36	0.01	3.00	1.00	0.67	2.99	8.73	0.08	20.67	2.00
868	8.68	1.43	32.66	12.08	2.29	1.43	2.28	4.00	2.81	17.14	150.42	0.00	150.42	8.52	2.55	0.01	3.00	1.00	0.67	3.02	8.52	0.08	20.20	2.00
869	8.69	1.40	33.55	12.08	2.40	1.40	2.39	4.00	2.82	17.16	150.59	0.00	150.59	8.31	2.68	0.01	3.00	1.00	0.67	3.04	8.31	0.08	19.85	2.00
870	8.70	1.39	34.37	12.08	2.47	1.39	2.47	4.00	2.84	17.18	150.76	0.00	150.76	8.24	2.77	0.01	3.00	1.00	0.67	3.05	8.24	0.08	19.65	2.00
871	8.71	1.40	34.65	12.08	2.47	1.40	2.47	4.00	2.83	17.20	150.94	0.00	150.94	8.29	2.77	0.01	3.00	1.00	0.67	3.05	8.29	0.08	19.68	2.00
872	8.72	1.42	34.97	12.08	2.47	1.42	2.46	4.00	2.83	17.21	151.11	0.00	151.11	8.41	2.75	0.01	3.00	1.00	0.67	3.04	8.41	0.08	19.77	2.00
873	8.73	1.43	35.50	12.08	2.49	1.43	2.48	4.00	2.83	17.23	151.28	0.00	151.28	8.47	2.77	0.01	3.00	1.00	0.67	3.04	8.47	0.08	19.76	2.00
874	8.74	1.45	36.48	12.17	2.52	1.45	2.51	4.00	2.82	17.27	151.45	0.00	151.45	8.59	2.80	0.01	3.00	1.00	0.67	3.04	8.59	0.08	19.76	2.00
875	8.75	1.46	37.30	12.08	2.56	1.46	2.55	4.00	2.83	17.30	151.63	0.00	151.63	8.65	2.85	0.01	3.00	1.00	0.67	3.04	8.65	0.08	19.71	2.00
876	8.76	1.47	38.25	12.17	2.60	1.47	2.60	4.00	2.83	17.33	151.80	0.00	151.80	8.70	2.90	0.01	3.00	1.00	0.67	3.04	8.70	0.08	19.64	2.00
877	8.77	1.48	39.95	12.17	2.70	1.48	2.69	4.00	2.83	17.38	151.97	0.00	151.97	8.76	3.00	0.01	3.00	1.00	0.67	3.04	8.76	0.08	19.48	2.00
878	8.78	1.48	40.64	12.17	2.74	1.48	2.74	4.00	2.84	17.40	152.15	0.00	152.15	8.74	3.05	0.01	3.00	1.00	0.67	3.05	8.74	0.08	19.38	2.00
879	8.79	1.51	40.99	12.27	2.72	1.51	2.71	4.00	2.83	17.42	152.32	0.00	152.32	8.93	3.01	0.01	3.00	1.00	0.67	3.04	8.93	0.08	19.53	2.00
880	8.80	1.52	41.68	12.27	2.75	1.52	2.74	4.00	2.83	17.44	152.50	0.00	152.50	8.98	3.04	0.01	3.00	1.00	0.66	3.04	8.98	0.08	19.50	2.00
881	8.81	1.53	42.41	12.27	2.78	1.53	2.77	4.00	2.83	17.46	152.67	0.00	152.67	9.04	3.07	0.01	3.00	1.00	0.66	3.04	9.04	0.08	19.47	2.00
882	8.82	1.55	43.23	12.27	2.79	1.55	2.78	4.00	2.83	17.49	152.84	0.00	152.84	9.16	3.09	0.01	3.00	1.00	0.66	3.04	9.16	0.08	19.49	2.00
883	8.83	1.55	43.29	12.27	2.79	1.55	2.79	4.00	2.83	17.49	153.02	0.00	153.02	9.15	3.09	0.01	3.00	1.00	0.66	3.04	9.15	0.08	19.48	2.00
884	8.84	1.56	43.51	12.27	2.79	1.56	2.78	4.00	2.82	17.50	153.19	0.00	153.19	9.20	3.09	0.01	3.00	1.00	0.66	3.03	9.20	0.08	19.51	2.00
885	8.85	1.56	43.83	12.36	2.81	1.56	2.80	4.00	2.83	17.51	153.37	0.00	153.37	9.19	3.11	0.01	3.00	1.00	0.66	3.04	9.19	0.08	19.47	2.00
886	8.86	1.56	43.92	12.27	2.82	1.56	2.81	4.00	2.83	17.51	153.54	0.00	153.54	9.18	3.12	0.01	3.00	1.00	0.66	3.04	9.18	0.08	19.45	2.00
887	8.87	1.56	44.27	12.27	2.83	1.56	2.83	4.00	2.83	17.52	153.72	0.00	153.72	9.17	3.14	0.01	3.00	1.00	0.66	3.04	9.17	0.08	19.40	2.00
888	8.88	1.58	44.46	12.36	2.82	1.58	2.81	4.00	2.82	17.53	153.90	0.00	153.90	9.28	3.11	0.01	3.00	1.00	0.66	3.03	9.28	0.08	19.50	2.00
889	8.89	1.58	44.77	12.36	2.83	1.58	2.83	4.00	2.82	17.54	154.07	0.10	153.97	9.28	3.13	0.01	3.00	1.00	0.66	3.03	9.28	0.08	19.46	2.00
890	8.90	1.60	45.15	12.36	2.83	1.60	2.82	4.00	2.82	17.55	154.25	0.20	154.05	9.40	3.12	0.01	3.00	1.00	0.66	3.03	9.40	0.08	19.54	2.00
891	8.91	1.60	45.15	12.36	2.83	1.60	2.82	4.00	2.82	17.55	154.42	0.29	154.13	9.40	3.12	0.01	3.00	1.00	0.66	3.03	9.40	0.08	19.53	2.00
892	8.92	1.60	45.15	12.36	2.83	1.60	2.82	4.00	2.82	17.55	154.60	0.39	154.20	9.39	3.12	0.01	3.00	1.00	0.66	3.03	9.39	0.08	19.53	2.00
893	8.93	2.09	39.95	12.84	1.91	2.09	1.91	4.00	2.63	17.51	154.77	0.49	154.28	12.56	2.06	0.01	4.00	1.00	0.66	2.82	12.56	0.08	23.53	4.00
894	8.94	2.09	40.89	12.84	1.95	2.09	1.95	4.00	2.63	17.54	154.95	0.59	154.36	12.55	2.11	0.01	4.00	1.00	0.66	2.83	12.55	0.08	23.37	4.00
895	8.95	2.09	42.16	12.94	2.01	2.09	2.01	4.00	2.64	17.57	155.12	0.69	154.44	12.55	2.18	0.01	4.00	1.00	0.66	2.84	12.55	0.08	23.17	4.00
896	8.96	2.11	46.03	12.94	2.18	2.11	2.18	4.00	2.66	17.68	155.30	0.78	154.52	12.67	2.35	0.01	4.00	1.00	0.66	2.85	12.67	0.08	22.72	4.00
897	8.97	2.13	48.08	13.03	2.26	2.13	2.25	4.00	2.66	17.73	155.48	0.88	154.59	12.79	2.43	0.01	4.00	1.00	0.66	2.86	12.79	0.08	22.54	4.00
898	8.98	2.16	52.37	13.13	2.43	2.16	2.42	4.00	2.68	17.84	155.66	0.98	154.68	12.98	2.61	0.01	4.00	1.00	0.66	2.87	12.98	0.08	22.12	4.00
899	8.99	2.18	54.23	13.23	2.49	2.18	2.48	4.00	2.68	17.88	155.83	1.08	154.76	13.10	2.68	0.01	3.00	1.00	0.65	2.87	13.10	0.08	21.99	2.00
900	9.00	2.21	55.81	13.23	2.53	2.21	2.52	4.00	2.68	17.92	156.01	1.18	154.84	13.28	2.71	0.01	3.00	1.00	0.65	2.87	13.28	0.08	21.96	2.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
901	9.01	2.28	58.33	13.32	2.56	2.28	2.56	4.00	2.67	17.98	156.19	1.28	154.92	13.73	2.74	0.01	4.00	1.00	0.65	2.86	13.73	0.08	22.04	4.00
902	9.02	2.32	59.50	13.32	2.56	2.32	2.56	4.00	2.67	18.01	156.37	1.37	155.00	13.98	2.75	0.01	4.00	1.00	0.65	2.86	13.98	0.08	22.12	4.00
903	9.03	2.37	60.13	13.42	2.54	2.37	2.53	4.00	2.65	18.03	156.55	1.47	155.08	14.29	2.71	0.01	4.00	1.00	0.65	2.84	14.29	0.08	22.33	4.00
904	9.04	2.36	58.42	13.32	2.47	2.36	2.47	4.00	2.65	18.00	156.73	1.57	155.16	14.22	2.65	0.01	4.00	1.00	0.65	2.84	14.22	0.08	22.50	4.00
905	9.05	2.33	57.26	13.32	2.46	2.33	2.45	4.00	2.65	17.97	156.91	1.67	155.25	14.02	2.63	0.01	4.00	1.00	0.65	2.84	14.02	0.08	22.47	4.00
906	9.06	2.25	56.69	13.32	2.52	2.25	2.52	4.00	2.67	17.94	157.09	1.77	155.33	13.49	2.71	0.01	3.00	1.00	0.65	2.86	13.49	0.07	22.06	4.00
907	9.07	2.07	55.30	13.23	2.68	2.07	2.67	4.00	2.72	17.88	157.27	1.86	155.41	12.33	2.89	0.01	3.00	1.00	0.65	2.91	12.33	0.07	21.14	2.00
908	9.08	1.97	54.45	13.13	2.77	1.97	2.76	4.00	2.74	17.85	157.45	1.96	155.49	11.67	3.00	0.01	3.00	1.00	0.65	2.94	11.67	0.07	20.64	2.00
909	9.09	1.79	51.84	12.94	2.90	1.79	2.89	4.00	2.79	17.75	157.63	2.06	155.57	10.51	3.17	0.01	3.00	1.00	0.65	2.99	10.51	0.07	19.85	2.00
910	9.10	1.72	50.07	12.84	2.91	1.72	2.91	4.00	2.80	17.70	157.81	2.16	155.65	10.05	3.20	0.01	3.00	1.00	0.65	3.01	10.05	0.07	19.63	2.00
911	9.11	1.65	47.80	12.75	2.90	1.65	2.89	4.00	2.81	17.63	157.98	2.26	155.73	9.60	3.20	0.01	3.00	1.00	0.65	3.03	9.60	0.07	19.46	2.00
912	9.12	1.53	44.65	12.56	2.92	1.53	2.91	4.00	2.84	17.52	158.16	2.35	155.80	8.82	3.25	0.01	3.00	1.00	0.65	3.06	8.82	0.07	19.08	2.00
913	9.13	1.46	43.54	12.46	2.98	1.46	2.98	3.00	2.86	17.47	158.33	2.45	155.88	8.37	3.34	0.01	3.00	1.00	0.65	3.09	8.37	0.06	18.76	2.00
914	9.14	1.40	42.06	12.27	2.99	1.40	3.00	3.00	2.88	17.42	158.51	2.55	155.96	7.98	3.38	0.01	3.00	1.00	0.65	3.11	7.98	0.06	18.54	2.00
915	9.15	1.30	38.81	8.72	2.98	1.30	2.98	3.00	2.91	17.30	158.68	2.65	156.03	7.33	3.40	0.01	3.00	1.00	0.65	3.14	7.33	0.04	18.26	2.00
916	9.16	1.25	37.46	5.65	3.00	1.25	2.99	3.00	2.92	17.24	158.85	2.75	156.10	7.00	3.43	0.00	3.00	1.00	0.65	3.16	7.00	0.02	18.08	2.00
917	9.17	1.21	36.35	3.26	3.01	1.21	3.00	3.00	2.93	17.19	159.02	2.84	156.18	6.73	3.46	0.00	3.00	1.00	0.65	3.17	6.73	0.00	17.94	2.00
918	9.18	1.11	34.87	-2.01	3.14	1.11	3.14	3.00	2.98	17.11	159.19	2.94	156.25	6.08	3.67	-0.01	3.00	1.00	0.65	3.22	6.08	-0.03	17.42	2.00
919	9.19	1.07	34.24	-4.60	3.19	1.07	3.20	3.00	2.99	17.08	159.36	3.04	156.32	5.82	3.76	-0.01	3.00	1.00	0.65	3.25	5.82	-0.05	17.21	2.00
920	9.20	0.98	32.66	-6.80	3.34	0.98	3.34	3.00	3.04	16.99	159.53	3.14	156.40	5.24	3.99	-0.01	3.00	1.00	0.65	3.30	5.24	-0.06	16.77	2.00
921	9.21	0.95	31.97	-7.28	3.38	0.95	3.37	3.00	3.05	16.95	159.70	3.24	156.47	5.04	4.05	-0.01	3.00	1.00	0.65	3.32	5.04	-0.07	16.63	2.00
922	9.22	0.89	31.15	-7.95	3.51	0.89	3.51	3.00	3.08	16.90	159.87	3.34	156.54	4.65	4.28	-0.02	3.00	1.00	0.65	3.36	4.65	-0.07	16.30	2.00
923	9.23	0.85	30.74	-7.86	3.60	0.85	3.62	3.00	3.11	16.87	160.04	3.43	156.61	4.40	4.47	-0.02	3.00	1.00	0.65	3.39	4.40	-0.07	16.06	2.00
924	9.24	0.83	30.87	-7.57	3.70	0.83	3.73	3.00	3.12	16.86	160.21	3.53	156.68	4.26	4.62	-0.02	3.00	1.00	0.65	3.41	4.26	-0.07	15.90	2.00
925	9.25	0.90	31.78	-7.28	3.52	0.90	3.54	3.00	3.08	16.93	160.38	3.63	156.75	4.71	4.31	-0.01	3.00	1.00	0.65	3.36	4.71	-0.07	16.29	2.00
926	9.26	0.96	32.51	-7.09	3.38	0.96	3.39	3.00	3.05	16.98	160.55	3.73	156.82	5.09	4.07	-0.01	3.00	1.00	0.65	3.31	5.09	-0.07	16.63	2.00
927	9.27	1.06	32.70	-7.57	3.09	1.06	3.09	3.00	2.99	17.02	160.72	3.83	156.89	5.72	3.64	-0.01	3.00	1.00	0.65	3.25	5.72	-0.07	17.31	2.00
928	9.28	1.25	32.35	-10.06	2.59	1.25	2.59	3.00	2.89	17.07	160.89	3.92	156.97	6.93	2.98	-0.01	3.00	1.00	0.65	3.13	6.93	-0.09	18.68	2.00
929	9.29	1.34	32.10	-10.73	2.40	1.34	2.40	4.00	2.84	17.09	161.06	4.02	157.04	7.49	2.73	-0.01	3.00	1.00	0.65	3.08	7.49	-0.09	19.34	2.00
930	9.30	1.52	32.13	-14.28	2.12	1.52	2.12	4.00	2.77	17.14	161.23	4.12	157.11	8.63	2.37	-0.01	3.00	1.00	0.64	2.99	8.63	-0.12	20.60	2.00
931	9.31	1.63	32.63	-13.99	2.00	1.63	2.01	4.00	2.73	17.18	161.40	4.22	157.19	9.32	2.23	-0.01	3.00	1.00	0.64	2.95	9.32	-0.12	21.29	2.00
932	9.32	1.79	32.98	-13.90	1.84	1.79	1.85	4.00	2.67	17.23	161.58	4.32	157.26	10.34	2.03	-0.01	4.00	1.00	0.64	2.89	10.34	-0.12	22.35	4.00
933	9.33	2.17	34.15	-32.87	1.57	2.16	1.58	4.00	2.57	17.35	161.75	4.41	157.34	12.72	1.71	-0.02	4.00	0.98	0.65	2.77	12.81	-0.24	24.83	4.00
934	9.34	2.41	34.05	-35.56	1.41	2.40	1.42	5.00	2.50	17.38	161.92	4.51	157.41	14.23	1.52	-0.02	4.00	0.96	0.66	2.70	14.51	-0.25	26.63	4.00
935	9.35	2.78	33.93	-36.99	1.22	2.77	1.22	5.00	2.42	17.43	162.10	4.61	157.49	16.57	1.30	-0.02	4.00	0.92	0.67	2.60	17.17	-0.26	29.43	4.00
936	9.36	2.91	34.78	-36.80	1.20	2.90	1.20	5.00	2.40	17.48	162.27	4.71	157.56	17.39	1.27	-0.02	4.00	0.91	0.67	2.58	18.09	-0.26	30.22	4.00
937	9.37	3.02	35.53	-36.52	1.18	3.01	1.18	5.00	2.38	17.52	162.45	4.81	157.64	18.08	1.25	-0.01	4.00	0.90	0.67	2.56	18.87	-0.26	30.87	4.00
938	9.38	3.18	36.64	-36.13	1.15	3.17	1.15	5.00	2.35	17.57	162.62	4.91	157.72	19.08	1.22	-0.01	5.00	0.89	0.67	2.53	20.01	-0.26	31.80	4.00
939	9.39	3.30	36.01	-35.94	1.09	3.29	1.09	5.00	2.33	17.57	162.80	5.00	157.80	19.83	1.15	-0.01	5.00	0.88	0.68	2.50	20.90	-0.26	32.86	6.00
940	9.40	3.43	36.70	-35.75	1.07	3.42	1.07	5.00	2.31	17.60	162.98	5.10	157.87	20.65	1.13	-0.01	5.00	0.87	0.68	2.48	21.83	-0.26	33.66	6.00
941	9.41	3.76	40.42	-35.46	1.08	3.75	1.08	5.00	2.28	17.75	163.15	5.20	157.95	22.72	1.13	-0.01	5.00	0.86	0.68	2.44	24.19	-0.26	35.16	6.00
942	9.42	3.94	43.01	-35.27	1.09	3.93	1.09	5.00	2.26	17.84	163.33	5.30	158.03	23.85	1.14	-0.01	5.00	0.85	0.68	2.43	25.46	-0.26	35.80	6.00
943	9.43	4.10	45.88	-34.98	1.12	4.09	1.12	5.00	2.26	17.93	163.51	5.40	158.12	24.85	1.17	-0.01	5.00	0.85	0.69	2.42	26.57	-0.26	36.20	6.00
944	9.44	4.18	45.91	-34.79	1.10	4.17	1.10	5.00	2.24	17.94	163.69	5.49	158.20	25.34	1.15	-0.01	5.00	0.84	0.69	2.40	27.16	-0.25	36.75	6.00
945	9.45	4.36	44.77	-34.50	1.03	4.35	1.03	5.00	2.21	17.92	163.87	5.59	158.28	26.47	1.07	-0.01	5.00	0.83	0.69	2.37	28.53	-0.25	38.34	6.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
946	9.46	4.42	43.57	-34.41	0.99	4.41	0.99	5.00	2.20	17.90	164.05	5.69	158.36	26.83	1.03	-0.01	5.00	0.83	0.69	2.35	29.01	-0.25	39.11	6.00
947	9.47	4.45	42.12	-34.22	0.95	4.44	0.95	5.00	2.18	17.86	164.23	5.79	158.44	27.00	0.98	-0.01	5.00	0.82	0.69	2.34	29.26	-0.25	39.73	6.00
948	9.48	4.52	41.49	-34.12	0.92	4.51	0.92	5.00	2.17	17.85	164.41	5.89	158.52	27.43	0.95	-0.01	5.00	0.82	0.69	2.33	29.79	-0.25	40.43	6.00
949	9.49	4.60	40.20	-34.02	0.87	4.59	0.88	5.00	2.15	17.82	164.58	5.98	158.60	27.92	0.91	-0.01	5.00	0.81	0.70	2.31	30.42	-0.25	41.41	6.00
950	9.50	4.67	38.72	-32.11	0.83	4.66	0.83	5.00	2.14	17.78	164.76	6.08	158.68	28.35	0.86	-0.01	5.00	0.80	0.70	2.29	30.99	-0.24	42.40	6.00
951	9.51	4.74	36.83	-31.91	0.78	4.73	0.78	5.00	2.12	17.73	164.94	6.18	158.76	28.78	0.81	-0.01	5.00	0.79	0.70	2.27	31.58	-0.24	43.55	6.00
952	9.52	4.77	35.82	-31.82	0.75	4.76	0.75	5.00	2.11	17.70	165.12	6.28	158.84	28.95	0.78	-0.01	5.00	0.79	0.70	2.26	31.82	-0.24	44.12	6.00
953	9.53	4.77	34.68	-31.82	0.73	4.76	0.73	5.00	2.10	17.67	165.29	6.38	158.92	28.93	0.75	-0.01	5.00	0.79	0.70	2.25	31.85	-0.24	44.51	6.00
954	9.54	4.76	32.79	-31.63	0.69	4.75	0.69	5.00	2.09	17.60	165.47	6.47	158.99	28.86	0.71	-0.01	5.00	0.78	0.70	2.24	31.83	-0.24	45.10	6.00
955	9.55	4.77	31.12	-31.53	0.65	4.76	0.65	5.00	2.07	17.54	165.64	6.57	159.07	28.90	0.68	-0.01	5.00	0.78	0.70	2.23	31.95	-0.24	45.79	6.00
956	9.56	4.79	29.13	-31.44	0.61	4.78	0.61	6.00	2.06	17.47	165.82	6.67	159.15	29.01	0.63	-0.01	5.00	0.77	0.71	2.21	32.17	-0.24	46.70	6.00
957	9.57	4.83	26.23	-31.34	0.54	4.82	0.54	6.00	2.03	17.35	165.99	6.77	159.22	29.25	0.56	-0.01	5.00	0.76	0.71	2.18	32.59	-0.24	48.20	6.00
958	9.58	4.89	25.79	-31.15	0.53	4.88	0.53	6.00	2.02	17.33	166.17	6.87	159.30	29.61	0.55	-0.01	5.00	0.76	0.71	2.17	33.06	-0.24	48.89	6.00
959	9.59	5.04	26.67	-30.96	0.53	5.03	0.53	6.00	2.01	17.38	166.34	6.97	159.37	30.54	0.55	-0.01	5.00	0.75	0.71	2.16	34.17	-0.24	49.78	6.00
960	9.60	5.16	27.34	-30.86	0.53	5.15	0.53	6.00	2.00	17.42	166.51	7.06	159.45	31.28	0.55	-0.01	5.00	0.75	0.71	2.15	35.06	-0.24	50.50	6.00
961	9.61	5.29	27.94	-30.67	0.53	5.28	0.53	6.00	1.99	17.46	166.69	7.16	159.53	32.08	0.55	-0.01	5.00	0.74	0.71	2.14	36.03	-0.24	51.33	6.00
962	9.62	5.62	29.73	-30.38	0.53	5.61	0.53	6.00	1.97	17.55	166.86	7.26	159.60	34.13	0.55	-0.01	5.00	0.73	0.72	2.11	38.51	-0.24	53.30	6.00
963	9.63	5.80	31.25	-30.29	0.54	5.79	0.54	6.00	1.96	17.62	167.04	7.36	159.68	35.24	0.56	-0.01	5.00	0.73	0.72	2.10	39.83	-0.24	54.09	6.00
964	9.64	5.97	32.66	-30.09	0.55	5.96	0.55	6.00	1.95	17.68	167.22	7.46	159.76	36.28	0.56	-0.01	5.00	0.73	0.72	2.09	41.08	-0.24	54.84	6.00
965	9.65	6.30	33.96	-29.90	0.54	6.29	0.54	6.00	1.93	17.75	167.39	7.55	159.84	38.33	0.55	-0.01	6.00	0.72	0.72	2.07	43.60	-0.23	56.92	6.00
966	9.66	6.46	34.27	-29.71	0.53	6.45	0.53	6.00	1.92	17.77	167.57	7.65	159.92	39.31	0.55	-0.01	6.00	0.71	0.72	2.05	44.83	-0.23	58.06	6.00
967	9.67	6.72	35.38	-29.42	0.53	6.71	0.53	6.00	1.90	17.82	167.75	7.75	160.00	40.91	0.54	-0.01	6.00	0.70	0.72	2.04	46.82	-0.23	59.62	6.00
968	9.68	6.81	35.94	-29.42	0.53	6.80	0.53	6.00	1.89	17.84	167.93	7.85	160.08	41.45	0.54	-0.01	6.00	0.70	0.73	2.03	47.48	-0.23	60.06	6.00
969	9.69	6.86	36.51	-29.23	0.53	6.85	0.53	6.00	1.89	17.86	168.11	7.95	160.16	41.74	0.55	-0.01	6.00	0.70	0.72	2.03	47.83	-0.23	60.17	6.00
970	9.70	6.83	37.65	-29.04	0.55	6.82	0.55	6.00	1.90	17.90	168.29	8.04	160.24	41.53	0.57	-0.01	6.00	0.71	0.72	2.04	47.52	-0.23	59.37	6.00
971	9.71	6.78	37.93	-28.94	0.56	6.77	0.56	6.00	1.91	17.90	168.47	8.14	160.32	41.20	0.57	-0.01	6.00	0.71	0.72	2.05	47.09	-0.23	58.83	6.00
972	9.72	6.72	38.69	-28.75	0.58	6.71	0.58	6.00	1.92	17.92	168.64	8.24	160.40	40.81	0.59	-0.01	6.00	0.71	0.72	2.06	46.56	-0.23	58.00	6.00
973	9.73	6.71	38.84	-28.66	0.58	6.70	0.58	6.00	1.92	17.93	168.82	8.34	160.49	40.72	0.59	-0.01	6.00	0.71	0.72	2.06	46.45	-0.23	57.84	6.00
974	9.74	6.70	39.10	-28.56	0.58	6.69	0.58	6.00	1.92	17.93	169.00	8.44	160.57	40.64	0.60	-0.01	6.00	0.71	0.72	2.06	46.34	-0.23	57.63	6.00
975	9.75	6.64	39.41	-28.37	0.59	6.63	0.59	6.00	1.93	17.94	169.18	8.53	160.65	40.24	0.61	-0.01	6.00	0.72	0.72	2.07	45.83	-0.23	57.01	6.00
976	9.76	6.57	39.66	-28.37	0.60	6.56	0.60	6.00	1.94	17.94	169.36	8.63	160.73	39.79	0.62	-0.01	5.00	0.72	0.72	2.08	45.25	-0.23	56.34	6.00
977	9.77	6.45	40.36	-28.27	0.63	6.44	0.63	6.00	1.95	17.96	169.54	8.73	160.81	39.02	0.64	-0.01	5.00	0.73	0.71	2.09	44.26	-0.23	55.10	6.00
978	9.78	6.42	40.33	-28.08	0.63	6.41	0.63	6.00	1.95	17.95	169.72	8.83	160.89	38.81	0.65	-0.01	5.00	0.73	0.71	2.10	44.00	-0.23	54.87	6.00
979	9.79	6.39	39.66	-27.99	0.62	6.38	0.62	6.00	1.95	17.93	169.90	8.93	160.97	38.60	0.64	-0.01	5.00	0.73	0.71	2.10	43.78	-0.23	54.91	6.00
980	9.80	6.44	40.23	-27.89	0.63	6.43	0.63	6.00	1.95	17.95	170.08	9.03	161.05	38.89	0.64	-0.01	5.00	0.73	0.71	2.09	44.13	-0.23	55.04	6.00
981	9.81	6.49	39.48	-27.79	0.61	6.48	0.61	6.00	1.94	17.93	170.26	9.12	161.14	39.18	0.63	-0.01	5.00	0.72	0.71	2.09	44.53	-0.23	55.73	6.00
982	9.82	6.61	38.28	-27.60	0.58	6.60	0.58	6.00	1.93	17.90	170.44	9.22	161.22	39.91	0.59	-0.01	6.00	0.72	0.72	2.07	45.51	-0.23	57.18	6.00
983	9.83	6.66	37.30	-27.51	0.56	6.65	0.56	6.00	1.92	17.88	170.62	9.32	161.30	40.20	0.58	-0.01	6.00	0.71	0.72	2.06	45.93	-0.23	58.01	6.00
984	9.84	6.73	35.34	-27.31	0.52	6.72	0.53	6.00	1.90	17.82	170.80	9.42	161.38	40.61	0.54	-0.01	6.00	0.71	0.72	2.04	46.56	-0.23	59.47	6.00
985	9.85	6.74	34.40	-27.22	0.51	6.73	0.51	6.00	1.89	17.79	170.97	9.52	161.46	40.65	0.52	-0.01	6.00	0.70	0.72	2.03	46.67	-0.23	59.99	6.00
986	9.86	6.77	33.99	-27.12	0.50	6.76	0.50	6.00	1.89	17.78	171.15	9.61	161.54	40.82	0.52	-0.01	6.00	0.70	0.72	2.03	46.91	-0.23	60.42	6.00
987	9.87	6.89	32.85	-26.93	0.48	6.88	0.48	6.00	1.87	17.74	171.33	9.71	161.62	41.54	0.49	-0.01	6.00	0.69	0.72	2.01	47.90	-0.23	61.96	6.00
988	9.88	6.98	32.51	-26.84	0.47	6.97	0.47	6.00	1.86	17.74	171.51	9.81	161.70	42.07	0.48	-0.01	6.00	0.69	0.72	2.00	48.61	-0.23	62.87	6.00
989	9.89	7.06	32.60	-26.74	0.46	7.05	0.46	6.00	1.85	17.75	171.68	9.91	161.78	42.54	0.47	-0.01	6.00	0.69	0.72	1.99	49.22	-0.23	63.47	6.00
990	9.90	7.17	32.79	-26.55	0.46	7.16	0.46	6.00	1.84	17.76	171.86	10.01	161.85	43.20	0.47	-0.01	6.00	0.69	0.73	1.98	50.07	-0.23	64.26	6.00

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
991	9.91	7.17	32.79	-26.55	0.46	7.16	0.46	6.00	1.84	17.76	172.04	10.10	161.93	43.18	0.47	-0.01	6.00	0.69	0.73	1.98	50.05	-0.23	64.24	6.00
992	9.92	7.17	32.79	-26.55	0.46	7.16	0.46	6.00	1.84	17.76	172.22	10.20	162.01	43.16	0.47	-0.01	6.00	0.69	0.72	1.98	50.03	-0.23	64.23	6.00
993	9.93	6.78	30.21	1.15	0.45	6.78	0.45	6.00	1.86	17.64	172.39	10.30	162.09	40.77	0.46	0.00	6.00	0.69	0.72	2.00	47.10	-0.06	62.38	6.00
994	9.94	6.67	32.13	1.15	0.48	6.67	0.48	6.00	1.88	17.71	172.57	10.40	162.17	40.07	0.49	0.00	6.00	0.70	0.72	2.02	46.11	-0.06	60.46	6.00
995	9.95	6.62	33.11	1.25	0.50	6.62	0.50	6.00	1.89	17.74	172.75	10.50	162.25	39.74	0.51	0.00	6.00	0.71	0.72	2.04	45.64	-0.06	59.55	6.00
996	9.96	6.59	33.61	1.25	0.51	6.59	0.51	6.00	1.90	17.75	172.92	10.59	162.33	39.53	0.52	0.00	6.00	0.71	0.72	2.04	45.36	-0.06	59.05	6.00
997	9.97	6.57	34.37	1.34	0.52	6.57	0.52	6.00	1.91	17.78	173.10	10.69	162.41	39.39	0.54	0.00	6.00	0.71	0.72	2.05	45.15	-0.06	58.51	6.00
998	9.98	6.59	34.68	1.34	0.53	6.59	0.53	6.00	1.91	17.79	173.28	10.79	162.49	39.49	0.54	0.00	6.00	0.71	0.71	2.05	45.27	-0.06	58.51	6.00
999	9.99	6.57	34.59	1.44	0.53	6.57	0.53	6.00	1.91	17.79	173.46	10.89	162.57	39.35	0.54	0.00	6.00	0.71	0.71	2.05	45.10	-0.06	58.37	6.00
1000	10.00	6.54	34.56	1.44	0.53	6.54	0.53	6.00	1.91	17.78	173.64	10.99	162.65	39.14	0.54	0.00	6.00	0.71	0.71	2.05	44.84	-0.06	58.13	6.00

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
1	0.01	0.01	0.00	1.00	0.00E+000	0.00E+000	0.00	0.01	0.00	0.00	0.00	0.01	15.00	0.66	4.79	0.30	0.06	2.16	0.00	1.00	0.00	0.00	0.66	1.00	0.19	0.00	13.73	N/A	N/A	N/A	N/A
2	0.02	0.11	0.00	0.00	0.00E+000	0.00E+000	0.00	0.10	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.30	0.00	7.20	0.00	0.00	0.00	0.00	0.00	1.00	2.17	0.00	13.73	N/A	N/A	N/A	N/A
3	0.03	0.11	0.01	0.00	0.00E+000	0.00E+000	1.00	0.24	0.00	0.00	0.00	4.39	0.00	0.00	0.00	0.30	0.00	56.01	0.00	0.00	0.00	0.00	0.00	13.71	29.68	0.02	13.73	N/A	N/A	N/A	N/A
4	0.04	0.37	0.73	1.00	7.47E-008	2.05E-005	2.00	2.70	0.00	0.00	0.00	7.08	15.00	24.64	44.85	0.30	2.19	71.09	0.00	1.00	35.44	0.00	24.64	4.30	31.34	0.02	13.73	N/A	N/A	N/A	N/A
5	0.05	0.76	1.36	5.00	6.78E-007	7.35E-004	3.00	10.63	21.00	30.00	10.59	9.76	0.00	0.00	0.00	0.30	0.00	83.48	0.07	0.00	0.00	0.00	0.40	2.11	31.60	0.02	13.73	N/A	N/A	N/A	N/A
6	0.06	1.45	1.70	6.00	5.86E-006	1.02E-002	4.00	17.15	29.00	30.00	13.68	12.61	0.00	0.00	0.00	0.30	0.00	94.87	0.04	0.00	0.00	0.00	0.48	1.34	38.46	0.03	13.74	N/A	N/A	N/A	N/A
7	0.07	1.66	1.83	6.00	9.04E-006	1.67E-002	4.00	18.15	31.00	30.00	14.48	13.48	0.00	0.00	0.00	0.30	0.00	97.61	0.02	0.00	0.00	0.00	0.56	1.29	42.28	0.03	13.88	N/A	N/A	N/A	N/A
8	0.08	1.82	2.27	6.00	1.13E-005	2.20E-002	5.00	19.12	32.00	30.00	15.25	14.49	0.00	0.00	0.00	0.30	0.00	100.18	0.01	0.00	0.00	0.00	0.64	1.27	45.55	0.04	14.16	N/A	N/A	N/A	N/A
9	0.09	1.87	6.09	6.00	5.64E-006	1.28E-002	5.00	22.25	32.00	30.00	17.75	18.22	0.00	0.00	0.00	0.30	0.00	108.08	0.00	0.00	0.00	0.00	0.73	1.35	49.77	0.05	15.31	N/A	N/A	N/A	N/A
10	0.10	1.87	7.03	6.00	4.79E-006	1.12E-002	5.00	22.91	32.00	30.13	18.28	18.97	0.00	0.00	0.00	0.30	0.00	109.68	0.00	0.00	0.00	0.00	0.82	1.38	50.73	0.06	15.47	N/A	N/A	N/A	N/A
11	0.11	1.64	11.89	5.00	1.40E-006	3.27E-003	5.00	22.93	30.00	30.79	20.03	21.52	0.00	0.00	0.00	0.30	0.00	114.79	-0.02	0.00	0.00	0.00	0.94	1.73	55.87	0.08	16.03	N/A	N/A	N/A	N/A
12	0.12	1.64	12.55	5.00	1.29E-006	3.02E-003	5.00	22.92	30.00	30.93	20.32	21.92	0.00	0.00	0.00	0.30	0.00	115.62	-0.02	0.00	0.00	0.00	1.04	1.76	56.99	0.09	16.09	N/A	N/A	N/A	N/A
13	0.13	1.66	15.13	5.00	1.02E-006	2.41E-003	5.00	23.20	31.00	31.44	21.46	23.47	0.00	0.00	0.00	0.30	0.00	118.83	-0.03	0.00	0.00	0.00	1.16	1.88	61.37	0.13	16.31	N/A	N/A	N/A	N/A
14	0.14	1.65	15.80	5.00	9.28E-007	2.18E-003	5.00	23.06	30.00	31.58	21.70	23.80	0.00	0.00	0.00	0.30	0.00	119.48	-0.03	0.00	0.00	0.00	1.27	1.93	62.59	0.14	16.35	N/A	N/A	N/A	N/A
15	0.15	1.63	19.30	5.00	6.36E-007	1.48E-003	6.00	22.77	30.00	32.25	22.95	25.52	0.00	0.00	0.00	0.30	0.00	122.88	-0.05	0.00	0.00	0.00	1.40	2.15	69.00	0.23	16.58	N/A	N/A	N/A	N/A
16	0.16	1.64	23.24	5.00	4.73E-007	1.10E-003	6.00	22.89	30.00	32.91	24.33	27.41	0.00	0.00	0.00	0.30	0.00	126.53	-0.06	0.00	0.00	0.00	1.55	2.35	75.96	0.42	16.80	N/A	N/A	N/A	N/A
17	0.17	1.67	24.40	5.00	4.70E-007	1.12E-003	6.00	23.32	31.00	33.05	24.82	28.07	0.00	0.00	0.00	0.30	0.00	127.79	-0.06	0.00	0.00	0.00	1.67	2.36	77.55	0.48	16.86	N/A	N/A	N/A	N/A
18	0.18	1.71	29.64	5.00	3.66E-007	8.92E-004	6.00	23.88	31.00	33.76	26.58	30.47	0.00	0.00	0.00	0.30	0.00	132.25	-0.08	0.00	0.00	0.00	1.83	2.55	85.93	0.67	17.09	N/A	N/A	N/A	N/A
19	0.19	1.72	32.13	5.00	3.23E-007	7.91E-004	6.00	24.01	31.00	34.07	27.34	31.52	0.00	0.00	0.00	0.30	0.00	134.12	-0.08	0.00	0.00	0.00	1.96	2.66	89.96	0.68	17.19	N/A	N/A	N/A	N/A
20	0.20	1.74	34.71	5.00	2.94E-007	7.27E-004	6.00	24.28	31.00	34.37	28.13	32.61	0.00	0.00	0.00	0.30	0.00	136.06	-0.09	0.00	0.00	0.00	2.10	2.74	93.88	0.68	17.28	N/A	N/A	N/A	N/A
21	0.21	1.76	39.25	4.00	2.44E-007	6.10E-004	7.00	24.55	0.00	0.00	0.00	34.38	15.00	116.88	35.94	0.30	10.38	139.13	0.00	1.00	3.13	0.00	116.88	2.92	100.89	0.58	17.43	N/A	N/A	N/A	N/A
22	0.22	1.77	40.58	4.00	2.34E-007	5.90E-004	7.00	24.69	0.00	0.00	0.00	34.91	15.00	117.58	34.31	0.30	10.44	140.03	0.00	1.00	3.04	0.00	117.58	2.95	102.79	0.58	17.47	N/A	N/A	N/A	N/A
23	0.23	1.78	42.28	4.00	2.22E-007	5.63E-004	7.00	24.85	0.00	0.00	0.00	35.57	15.00	118.32	32.85	0.30	10.51	141.14	0.00	1.00	2.94	0.00	118.32	3.00	105.24	0.58	17.52	N/A	N/A	N/A	N/A
24	0.24	1.83	46.66	4.00	2.07E-007	5.38E-004	7.00	25.55	0.00	0.00	0.00	37.33	15.00	121.66	32.20	0.30	10.81	144.08	0.00	1.00	2.74	0.00	121.66	3.08	110.86	0.58	17.64	N/A	N/A	N/A	N/A
25	0.25	1.85	48.11	4.00	2.04E-007	5.36E-004	7.00	25.82	0.00	0.00	0.00	37.91	15.00	122.96	31.09	0.30	10.92	145.04	0.00	1.00	2.68	0.00	122.96	3.09	112.59	0.58	17.68	N/A	N/A	N/A	N/A
26	0.26	1.88	51.90	4.00	1.87E-007	4.99E-004	7.00	26.22	0.00	0.00	0.00	39.30	15.00	124.84	30.21	0.30	11.09	147.28	0.00	1.00	2.53	0.00	124.84	3.18	117.60	0.58	17.77	N/A	N/A	N/A	N/A
27	0.27	1.89	54.14	4.00	1.75E-007	4.71E-004	7.00	26.35	0.00	0.00	0.00	40.06	15.00	125.47	29.10	0.30	11.14	148.50	0.00	1.00	2.43	0.00	125.47	3.25	120.69	0.58	17.82	N/A	N/A	N/A	N/A
28	0.28	1.86	57.89	4.00	1.43E-007	3.77E-004	7.00	25.91	0.00	0.00	0.00	41.07	15.00	123.40	27.48	0.30	10.96	150.05	0.00	1.00	2.24	0.00	123.40	3.48	127.08	0.58	17.89	N/A	N/A	N/A	N/A
29	0.29	1.82	59.06	4.00	1.24E-007	3.22E-004	7.00	25.35	0.00	0.00	0.00	41.20	15.00	120.69	25.85	0.30	10.72	150.23	0.00	1.00	2.15	0.00	120.69	3.64	129.98	0.58	17.91	N/A	N/A	N/A	N/A
30	0.30	1.77	59.91	4.00	1.07E-007	2.69E-004	7.00	24.64	0.00	0.00	0.00	41.17	15.00	117.35	24.20	0.30	10.42	150.16	0.00	1.00	2.06	0.00	117.35	3.82	132.74	0.58	17.91	N/A	N/A	N/A	N/A
31	0.31	1.67	61.36	4.00	7.95E-008	1.88E-004	7.00	23.25	0.00	0.00	0.00	41.02	15.00	110.71	22.02	0.30	9.83	149.85	0.00	1.00	1.89	0.00	110.71	4.21	138.04	0.58	17.92	N/A	N/A	N/A	N/A
32	0.32	1.62	61.33	4.00	6.98E-008	1.60E-004	7.00	22.55	0.00	0.00	0.00	40.70	15.00	107.40	20.63	0.30	9.54	149.33	0.00	1.00	1.84	0.00	107.40	4.39	139.62	0.58	17.91	N/A	N/A	N/A	N/A
33	0.33	1.52	60.95	4.00	5.39E-008	1.16E-004	6.00	21.17	0.00	0.00	0.00	39.97	15.00	100.80	18.72	0.30	8.95	148.11	0.00	1.00	1.74	0.00	100.80	4.77	142.37	0.58	17.88	N/A	N/A	N/A	N/A
34	0.34	1.47	60.35	4.00	4.75E-008	9.92E-005	6.00	20.46	0.00	0.00	0.00	39.47	15.00	97.45	17.52	0.30	8.66	147.28	0.00	1.00	1.70	0.00	97.45	4.96	143.17	0.58	17.85	N/A	N/A	N/A	N/A
35	0.35	1.40	58.65	4.00	4.08E-008	8.11E-005	6.00	19.49	0.00	0.00	0.00	38.52	15.00	92.79	16.16	0.30	8.24	145.70	0.00	1.00	1.66	0.00	92.79	5.20	142.98	0.58	17.80	N/A	N/A	N/A	N/A
36	0.36	1.37	57.86	4.00	3.82E-008	7.42E-005	6.00	19.06	0.00	0.00	0.00	38.09	15.00	90.78	15.34	0.30	8.06	144.98	0.00	1.00	1.65	0.00	90.78	5.31	142.80	0.58	17.78	N/A	N/A	N/A	N/A
37	0.37	1.35	56.60	4.00	3.75E-008	7.18E-005	6.00	18.78	0.00	0.00	0.00	37.59	15.00	89.44	14.67	0.30	7.94	144.16	0.00	1.00	1.66	0.00	89.44	5.34	141.52	0.58	17.74	N/A	N/A	N/A	N/A
38	0.38	1.30	52.97	4.00	3.64E-008	6.71E-005	6.00	18.08	0.00	0.00	0.00	36.19	15.00	86.09	13.72	0.30	7.65	141.81	0.00	1.00	1.71	0.00	86.09	5.39	137.47	0.58	17.65	N/A	N/A	N/A	N/A
39	0.39	1.28	50.83	4.00	3.70E-008	6.71E-005	6.00	17.80	0.00	0.00	0.00	35.42	15.00	84.76	13.14	0.30	7.53	140.50	0.00	1.00	1.75	0.00	84.76	5.37	134.67	0.58	17.60	N/A	N/A	N/A	N/A
40	0.40	1.25	47.04	4.00	3.90E-008	6.91E-005	5.00	17.38	0.00	0.00	0.00	34.07	15.00	82.77	12.49	0.30	7.35	138.18	0.00	1.00	1.85	0.00	82.77	5.28	129.36	0.58	17.50	N/A	N/A	N/A	N/A
41	0.41	1.22	45.21	4.00	3.80E-008	6.56E-005	5.00	16.96	0.00	0.00	0.00	33.30	15.00	80.76	11.88	0.30	7.17	136.82	0.00	1.00	1.88	0.00	80.76	5.32	127.27	0.58	17.45	N/A	N/A	N/A	N/A
42	0.42	1.17	42.28	4.00	3.62E-008	5.99E-005	5.00	16.26	0.00	0.00	0.00	32.03	15.00	77.41	11.10	0.30	6.88	134.56	0.00	1.00	1.92	0.00	77.41	5.40	123.88	0.58	17.35	N/A	N/A	N/A	N/A
43	0.43	1.15	40.30	4.00	3.68E-008	6.00E-005	5.00	15.97	0.00	0.00	0.00	31.26	15.00	76.07	10.65	0.30	6.76	133.16	0.00	1.00	1.98	0.00	76.07	5.37	121.03	0.58	17.29	N/A	N/A	N/A	N/A
44	0.44	1.10	36.54	4.00	3.67E-008	5.72E-005	5.00	15.27	0.00	0.00	0.00	29.67	15.00	72.73	9.94	0.30	6.46	130.23	0.00	1.00	2.09	0.00	72.73	5.38	115.80	0.58	17.16	N/A	N/A	N/A	N/A
45	0.45	1.08	34.97	4.00	3.69E-008	5.64E-005	5.00	14.99	0.00	0.00	0.00	29.01	15.00	71.39	9.53	0.30	6.34	128.97	0.00	1.00	2.14	0.00	71.39	5.37	113.51	0.58	17.11	N/A	N/A	N/A	N/A
46	0.46	1.06	33.71	4.00	3.65E-008	5.47E-005	5.00	14.71	0.00	0.00	0.00	28.44	15.00	70.05	9.15	0.30	6.22	127.89	0.00	1.00	2.18	0.00	70.05	5.39	111.76	0.58	17.06	N/A	N/A	N/A	N/A
47	0.47	1.03	31.59	4.00	3.64E-008	5.31E-005	5.00	14.29	0.00	0.00	0.00	27.49	15.00	68.03	8.69	0.30	6.04	126.05	0.00	1.00	2.26	0.00	68.03	5.39	108.60	0.58	16.97	N/A	N/A	N/A	N/A
48	0.48	1.02	30.49	4.00	3.73E-008	5.38E-005	4.00	14.15	0.00	0.00	0.00	27.02	15.00	67.36	8.42	0.30	5.98	125.15	0.00	1.00	2.32	0.00	67.36	5.35	106.73	0.58	16.93	N/A	N/A	N/A	N/A
49	0.49	1.03	28.66	4.00	4.37E-008	6.36E-005	4.00	14.29	0.00	0.00	0.00	26.42	15.00	68.03	8.33	0.30	6.04	123.99	0.00	1.00	2.49	0.00	68.03	5.09	102.62	0.58	16.86	N/A	N/A	N/A	N/A
50	0.50	1.03	27.94	4.00	4.58E-008	6.67E-005	4.00	14.28	0.00	0.00	0.00	26.15	15.00	68.02	8.16	0.30	6.04	123.46	0.00	1.00	2.56	0.00	68.02	5.02	101.12	0.58	16.83	N/A	N/A	N/A	N/A
51	0.51	1.04	26.83	4.00	5.14E-008	7.55E-005	4.00	14.42	0.00	0.00	0.00	25.79	15.00	68.67	8.08	0.30	6.10	122.77	0.00	1.00	2.69	0.00	68.67	4.84	98.44	0.58	16.79	N/A	N/A	N/A	N/A
52	0.52	1.04	26.67	4.00	5.19E-008	7.63E-005	4.00	14.42	0.00	0.00	0.00	25.73	15.00	68.66	7.92	0.30	6.10	122.64	0.00	1.00	2.70	0.00	68.66	4.83	98.11	0.58	16.78	N/A	N/A	N/A	N/A
53	0.53	1.04	26.36	4.00	5.30E-008	7.79E-005	4.00	14.42	0.00	0.00	0.00	25.61	15.00	68.65	7.77	0.30	6.10	122.40	0.00	1.00	2.73	0.00	68.65	4.79	97.45	0.58	16.77	N/A	N/A	N/A	N/A
54	0.54	1.06	25.16	4.00	6.26E-008	9.38E-005	4.00	14.70	0.00	0.00	0.00	25.26	15.00	69.99	7.77	0.30	6.22	121.74	0.00	1.00	2.92	0.00	69.99	4.55	94.21	0.58	16.72	N/A	N/A	N/A	N/A
55	0.55	1.10	24.97	4.00	7.44E-008	1.16E-004	5.00	15.25	0.00	0.00	0.00	25.42	15.00	72.64	7.92	0.30	6.45	122.11	0.00	1.00	3.05	0.00	72.64	4.30	92.53	0.58	16.73	N/A	N/A	N/A	N/A
56	0.56	1.22	23.17	4.00	1.32E-007	2.29E-004	5.00	16.93	0.00	0.00	0.00	25.35	15.00	80.63	8.63	0.30	7.16	122.11	0.00	1.00	3.65	0.00	80.63	3.56	85.08	0.58	16.68	N/A	N/A	N/A	N/A
57	0.57	1.31	22.76	4.00	1.85E-007	3.44E-004	5.00	18.19	0.00	0.00	0.00	25.64	15.00	86.62	9.11	0.30	7.69	122.78	0.00	1.00	4.00	0.00	86.62	3.19	81.83	0.58	16.69	N/A	N/A	N/A	N/A
58	0.58	1.50	21.85	5.00	3.54E-007	7.53E-004	5.00	20.85	29.00	32.90	23.35	26.14	0.00	0.00	0.00	0.30	0.00	123.95	-0.06	0.00	0.00	0.00	6.26	2.58	75.84	0.41	16.69	N/A	N/A	N/A	N/A
59	0.59	1.55	21.94	5.00	4.04E-007	8.88E-004	5.00	21.55	29.00	32.83	23.56	26.40	0.00	0.00	0.00	0.30	0.00	124.51	-0.06	0.00	0.00	0.00	6.35	2.47	75.12	0.39	16.71	N/A	N/A	N/A	N/A
60	0.60	1.55	22.23	5.00	3.95E-007	8.68E-004	5.00	21.54	29.00	32.88	23.66	26.54	0.00	0.00	0.00	0.30	0.00	124.76	-0.06	0.00	0.00	0.00	6.47	2.49	75.67	0.41	16.72	N/A	N/A	N/A	N/A
61	0.61	1.47	22.70	5.00	3.04E-007	6.32E-004	5.00	20.42	29.00	33.10	23.52	26.38	0.00	0.00	0.00	0.30	0.00	124.39	-0.06	0.00	0.00	0.00	6.63	2.71	78.09	0.50	16.73	N/A	N/A	N/A	N/A
62	0.62	1.42	23.14	5.00	2.53E-007	5.09E-004	5.00	19.72	28.00	33.27	23.47	26.34	0.00	0.00	0.00	0.30	0.00	124.26	-0.07	0.00	0.00	0.00	6.78	2.88	80.02	0.58	16.74	N/A	N/A	N/A	N/A
63	0.63	1.29	23.55	4.00	1.63E-007	2.97E-004	5.00	17.89	0.00	0.00	0.00	25.87	15.00	85.21	8.11	0.30	7.57	123.21	0.00	1.00	3.80	0.00	85.21	3.33	84.02	0.58	16.72	N/A	N/A	N/A	N/A
64	0.64	1.23	23.33	4.00	1.35E-007	2.34E-004	5.00	17.05	0.00	0.00	0.00	25.46	15.00	81.20	7.61	0.30	7.21	122.34	0.00	1.00	3.65	0.00	81.20	3.54	85.18	0.58	16.69	N/A	N/A	N/A	N/A
65	0.65	1.18	23.33	4.00	1.13E-007	1.88E-004	5.00	16.35	0.00	0.00	0.00	25.19	15.00	77.85	7.18	0.30	6.91	121.74	0.00	1.00	3.50	0.00	77.85	3.76	86.61	0.58	16.67	N/A	N/A	N/A	N/A
66	0.66	1.09	23.05	4.00	8.19E-008	1.26E-004	4.00	15.09	0.00	0.00	0.00	24.56	15.00	71.84	6.53	0.30	6.38	120.38	0.00	1.00	3.27	0.00	71.84	4.17	88.70	0.58	16.63	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
67	0.67	1.06	22.86	4.00	7.37E-008	1.10E-004	4.00	14.66	0.00	0.00	0.00	24.31	15.00	69.82	6.25	0.30	6.20	119.82	0.00	1.00	3.21	0.00	69.82	4.32	89.22	0.58	16.61	N/A	N/A	N/A	N/A
68	0.68	1.00	22.32	4.00	5.98E-008	8.42E-005	4.00	13.82	0.00	0.00	0.00	23.72	15.00	65.81	5.80	0.30	5.85	118.54	0.00	1.00	3.10	0.00	65.81	4.61	89.91	0.58	16.56	N/A	N/A	N/A	N/A
69	0.69	0.97	22.01	4.00	5.37E-008	7.34E-005	4.00	13.40	0.00	0.00	0.00	23.41	15.00	63.79	5.54	0.30	5.67	117.85	0.00	1.00	3.04	0.00	63.79	4.77	90.17	0.58	16.53	N/A	N/A	N/A	N/A
70	0.70	0.96	21.72	4.00	5.26E-008	7.10E-005	4.00	13.25	0.00	0.00	0.00	23.22	15.00	63.12	5.41	0.30	5.61	117.46	0.00	1.00	3.05	0.00	63.12	4.81	89.83	0.58	16.51	N/A	N/A	N/A	N/A
71	0.71	0.93	21.28	4.00	4.75E-008	6.21E-005	4.00	12.83	0.00	0.00	0.00	22.85	15.00	61.10	5.16	0.30	5.43	116.63	0.00	1.00	3.01	0.00	61.10	4.96	89.79	0.58	16.48	N/A	N/A	N/A	N/A
72	0.72	0.92	20.81	4.00	4.71E-008	6.09E-005	4.00	12.69	0.00	0.00	0.00	22.58	15.00	60.42	5.04	0.30	5.37	116.06	0.00	1.00	3.05	0.00	60.42	4.98	89.02	0.58	16.45	N/A	N/A	N/A	N/A
73	0.73	0.89	19.86	4.00	4.43E-008	5.54E-005	4.00	12.27	0.00	0.00	0.00	21.99	15.00	58.41	4.80	0.30	5.19	114.75	0.00	1.00	3.09	0.00	58.41	5.07	87.73	0.58	16.38	N/A	N/A	N/A	N/A
74	0.74	0.87	19.04	4.00	4.32E-008	5.28E-005	4.00	11.98	0.00	0.00	0.00	21.50	15.00	57.06	4.63	0.30	5.07	113.68	0.00	1.00	3.15	0.00	57.06	5.11	86.38	0.58	16.32	N/A	N/A	N/A	N/A
75	0.75	0.81	17.31	4.00	3.74E-008	4.25E-005	4.00	11.14	0.00	0.00	0.00	20.34	15.00	53.05	4.25	0.30	4.71	111.04	0.00	1.00	3.22	0.00	53.05	5.35	83.99	0.58	16.19	N/A	N/A	N/A	N/A
76	0.76	0.76	16.33	4.00	3.14E-008	3.34E-005	3.00	10.44	0.00	0.00	0.00	19.56	15.00	49.70	3.93	0.30	4.41	109.20	0.00	1.00	3.20	0.00	49.70	5.64	83.06	0.58	16.09	N/A	N/A	N/A	N/A
77	0.77	0.70	15.39	4.00	2.43E-008	2.30E-005	3.00	9.27	0.00	0.00	0.00	18.71	15.00	45.69	3.57	0.30	4.06	107.14	0.00	1.00	3.12	0.00	45.69	6.10	82.50	0.58	15.99	N/A	N/A	N/A	N/A
78	0.78	0.58	14.22	3.00	1.23E-008	7.92E-006	3.00	6.30	0.00	0.00	0.00	17.27	15.00	37.67	2.90	0.30	3.35	103.45	0.00	1.00	2.78	0.00	37.67	7.45	83.09	0.58	15.83	N/A	N/A	N/A	N/A
79	0.79	0.53	13.81	3.00	8.75E-009	4.66E-006	3.00	5.23	0.00	0.00	0.00	16.67	15.00	34.32	2.61	0.30	3.05	101.86	0.00	1.00	2.61	0.00	34.32	8.21	83.46	0.58	15.76	N/A	N/A	N/A	N/A
80	0.80	0.46	13.24	3.00	5.06E-009	2.01E-006	2.00	3.90	0.00	0.00	0.00	15.79	15.00	29.63	2.23	0.30	2.63	99.46	0.00	1.00	2.35	0.00	29.63	9.55	83.81	1.00	15.66	N/A	N/A	N/A	N/A
81	0.81	0.46	13.24	3.00	5.05E-009	2.01E-006	2.00	3.90	0.00	0.00	0.00	15.79	15.00	29.62	2.20	0.30	2.63	99.46	0.00	1.00	2.35	0.00	29.62	9.56	83.82	0.99	15.66	N/A	N/A	N/A	N/A
82	0.82	0.46	13.24	3.00	5.04E-009	2.00E-006	2.00	3.89	0.00	0.00	0.00	15.79	15.00	29.61	2.18	0.30	2.63	99.45	0.00	1.00	2.35	0.00	29.61	9.56	83.82	0.97	15.66	N/A	N/A	N/A	N/A
83	0.83	0.42	10.88	3.00	4.63E-009	1.51E-006	2.00	3.20	0.00	0.00	0.00	14.29	15.00	26.84	1.95	0.30	2.38	95.43	0.00	1.00	2.59	0.00	26.84	9.78	77.77	0.79	15.40	N/A	N/A	N/A	N/A
84	0.84	0.42	10.88	3.00	4.62E-009	1.51E-006	2.00	3.20	0.00	0.00	0.00	14.29	15.00	26.83	1.93	0.30	2.38	95.42	0.00	1.00	2.59	0.00	26.83	9.79	77.77	0.78	15.40	N/A	N/A	N/A	N/A
85	0.85	0.42	10.88	3.00	4.61E-009	1.50E-006	2.00	3.20	0.00	0.00	0.00	14.29	15.00	26.82	1.91	0.30	2.38	95.42	0.00	1.00	2.59	0.00	26.82	9.79	77.77	0.77	15.40	N/A	N/A	N/A	N/A
86	0.86	0.42	10.88	3.00	4.61E-009	1.50E-006	2.00	3.19	0.00	0.00	0.00	14.29	15.00	26.81	1.89	0.30	2.38	95.41	0.00	1.00	2.59	0.00	26.81	9.80	77.78	0.77	15.40	N/A	N/A	N/A	N/A
87	0.87	0.38	8.77	3.00	4.22E-009	1.12E-006	2.00	2.59	0.00	0.00	0.00	12.84	15.00	24.17	1.68	0.30	2.15	91.30	0.00	1.00	2.89	0.00	24.17	10.03	71.76	0.61	15.11	N/A	N/A	N/A	N/A
88	0.88	0.40	8.67	3.00	5.38E-009	1.58E-006	2.00	2.89	0.00	0.00	0.00	12.97	15.00	25.49	1.76	0.30	2.26	91.75	0.00	1.00	3.09	0.00	25.49	9.40	70.92	0.60	15.12	N/A	N/A	N/A	N/A
89	0.89	0.44	8.29	3.00	8.72E-009	3.13E-006	2.00	3.52	0.00	0.00	0.00	13.11	15.00	28.15	1.92	0.30	2.50	92.28	0.00	1.00	3.57	0.00	28.15	8.22	68.52	0.23	15.10	N/A	N/A	N/A	N/A
90	0.90	0.47	8.45	3.00	1.13E-008	4.63E-006	2.00	4.04	0.00	0.00	0.00	13.45	15.00	30.14	2.03	0.30	2.68	93.31	0.00	1.00	3.75	0.00	30.14	7.65	68.25	0.22	15.15	N/A	N/A	N/A	N/A
91	0.91	0.57	8.80	4.00	2.43E-008	1.49E-005	3.00	6.02	0.00	0.00	0.00	14.40	15.00	36.81	2.46	0.30	3.27	96.19	0.00	1.00	4.39	0.00	36.81	6.10	66.51	0.19	15.27	N/A	N/A	N/A	N/A
92	0.92	0.64	9.05	4.00	3.82E-008	2.97E-005	3.00	7.64	0.00	0.00	0.00	15.03	15.00	41.47	2.74	0.30	3.68	98.00	0.00	1.00	4.81	0.00	41.47	5.31	65.24	0.17	15.35	N/A	N/A	N/A	N/A
93	0.93	0.74	9.36	4.00	6.74E-008	6.94E-005	3.00	10.11	0.00	0.00	0.00	15.83	15.00	48.13	3.15	0.30	4.28	100.29	0.00	1.00	5.40	0.00	48.13	4.44	63.29	0.15	15.44	N/A	N/A	N/A	N/A
94	0.94	1.07	10.66	5.00	2.64E-007	3.96E-004	4.00	14.73	24.00	31.17	17.40	18.36	0.00	0.00	0.00	0.30	0.00	107.00	-0.02	0.00	0.00	0.00	9.34	2.84	58.97	0.10	15.74	N/A	N/A	N/A	N/A
95	0.95	1.28	11.86	5.00	4.78E-007	8.60E-004	4.00	17.67	27.00	31.10	18.75	20.02	0.00	0.00	0.00	0.30	0.00	111.06	-0.02	0.00	0.00	0.00	9.41	2.35	58.44	0.10	15.93	N/A	N/A	N/A	N/A
96	0.96	1.50	14.76	5.00	6.65E-007	1.41E-003	5.00	20.74	29.00	31.51	20.74	22.58	0.00	0.00	0.00	0.30	0.00	116.80	-0.03	0.00	0.00	0.00	9.66	2.12	62.01	0.13	16.24	N/A	N/A	N/A	N/A
97	0.97	1.47	16.36	5.00	5.17E-007	1.07E-003	5.00	20.32	29.00	31.90	21.26	23.31	0.00	0.00	0.00	0.30	0.00	118.26	-0.04	0.00	0.00	0.00	9.91	2.29	65.58	0.18	16.35	N/A	N/A	N/A	N/A
98	0.98	1.34	18.67	5.00	2.80E-007	5.28E-004	5.00	18.50	27.00	32.60	21.62	23.88	0.00	0.00	0.00	0.30	0.00	119.28	-0.05	0.00	0.00	0.00	10.29	2.79	72.65	0.32	16.47	N/A	N/A	N/A	N/A
99	0.99	1.26	18.76	5.00	2.13E-007	3.78E-004	5.00	17.38	26.00	32.79	21.34	23.54	0.00	0.00	0.00	0.30	0.00	118.48	-0.06	0.00	0.00	0.00	10.47	3.05	74.63	0.37	16.45	N/A	N/A	N/A	N/A
100	1.00	1.17	19.30	4.00	1.48E-007	2.43E-004	5.00	16.11	0.00	0.00	0.00	23.33	15.00	76.74	4.68	0.30	6.82	117.95	0.00	1.00	4.17	0.00	76.74	3.44	78.11	0.50	16.45	N/A	N/A	N/A	N/A
101	1.01	1.05	20.68	4.00	8.22E-008	1.21E-004	4.00	14.43	0.00	0.00	0.00	23.29	15.00	68.73	4.15	0.30	6.10	117.70	0.00	1.00	3.49	0.00	68.73	4.17	84.75	0.58	16.49	N/A	N/A	N/A	N/A
102	1.02	1.01	21.31	4.00	6.59E-008	9.32E-005	4.00	13.87	0.00	0.00	0.00	23.32	15.00	66.05	3.94	0.30	5.87	117.72	0.00	1.00	3.25	0.00	66.05	4.47	87.47	0.58	16.51	N/A	N/A	N/A	N/A
103	1.03	0.94	21.88	4.00	4.60E-008	6.05E-005	4.00	12.89	0.00	0.00	0.00	23.12	15.00	61.37	3.63	0.30	5.45	117.21	0.00	1.00	2.94	0.00	61.37	5.01	91.07	0.58	16.51	N/A	N/A	N/A	N/A
104	1.04	0.92	22.13	4.00	4.11E-008	5.28E-005	4.00	12.60	0.00	0.00	0.00	23.10	15.00	60.02	3.52	0.30	5.33	117.12	0.00	1.00	2.85	0.00	60.02	5.19	92.32	0.58	16.52	N/A	N/A	N/A	N/A
105	1.05	0.89	22.39	4.00	3.48E-008	4.32E-005	4.00	12.18	0.00	0.00	0.00	23.00	15.00	58.01	3.37	0.30	5.15	116.88	0.00	1.00	2.72	0.00	58.01	5.47	93.93	0.58	16.52	N/A	N/A	N/A	N/A
106	1.06	0.85	22.61	4.00	2.80E-008	3.31E-005	4.00	11.62	0.00	0.00	0.00	22.82	15.00	55.33	3.18	0.30	4.91	116.43	0.00	1.00	2.57	0.00	55.33	5.85	95.79	0.58	16.51	N/A	N/A	N/A	N/A
107	1.07	0.84	22.48	4.00	2.68E-008	3.14E-005	4.00	11.48	0.00	0.00	0.00	22.69	15.00	54.65	3.11	0.30	4.85	116.16	0.00	1.00	2.55	0.00	54.65	5.92	95.84	0.58	16.50	N/A	N/A	N/A	N/A
108	1.08	0.82	22.04	4.00	2.50E-008	2.85E-005	4.00	11.19	0.00	0.00	0.00	22.38	15.00	53.31	3.01	0.30	4.74	115.45	0.00	1.00	2.54	0.00	53.31	6.05	95.49	0.58	16.47	N/A	N/A	N/A	N/A
109	1.09	0.81	21.66	4.00	2.44E-008	2.75E-005	4.00	11.05	0.00	0.00	0.00	22.15	15.00	52.63	2.94	0.30	4.67	114.95	0.00	1.00	2.55	0.00	52.63	6.09	94.94	0.58	16.44	N/A	N/A	N/A	N/A
110	1.10	0.80	21.16	4.00	2.41E-008	2.68E-005	4.00	10.91	0.00	0.00	0.00	21.88	15.00	51.95	2.88	0.30	4.61	114.35	0.00	1.00	2.58	0.00	51.95	6.12	94.09	0.58	16.41	N/A	N/A	N/A	N/A
111	1.11	0.77	18.54	4.00	2.57E-008	2.75E-005	3.00	10.49	0.00	0.00	0.00	20.57	15.00	49.94	2.74	0.30	4.44	111.45	0.00	1.00	2.83	0.00	49.94	6.00	88.67	0.58	16.25	N/A	N/A	N/A	N/A
112	1.12	0.77	17.18	4.00	2.94E-008	3.14E-005	3.00	10.49	0.00	0.00	0.00	19.97	15.00	49.93	2.72	0.30	4.44	110.12	0.00	1.00	3.05	0.00	49.93	5.76	85.19	0.58	16.16	N/A	N/A	N/A	N/A
113	1.13	0.75	13.49	4.00	3.93E-008	4.09E-005	3.00	10.20	0.00	0.00	0.00	18.11	15.00	48.59	2.62	0.30	4.32	105.80	0.00	1.00	3.78	0.00	48.59	5.27	75.76	0.41	15.87	N/A	N/A	N/A	N/A
114	1.14	0.76	12.20	4.00	4.90E-008	5.16E-005	3.00	10.34	0.00	0.00	0.00	17.51	15.00	49.24	2.63	0.30	4.37	104.41	0.00	1.00	4.24	0.00	49.24	4.92	71.67	0.29	15.76	N/A	N/A	N/A	N/A
115	1.15	0.77	10.66	4.00	6.41E-008	6.84E-005	3.00	10.48	0.00	0.00	0.00	16.74	15.00	49.90	2.65	0.30	4.43	102.58	0.00	1.00	4.91	0.00	49.90	4.51	66.68	0.19	15.61	N/A	N/A	N/A	N/A
116	1.16	0.77	10.40	4.00	6.65E-008	7.10E-005	3.00	10.48	0.00	0.00	0.00	16.60	15.00	49.89	2.62	0.30	4.43	102.22	0.00	1.00	5.04	0.00	49.89	4.46	65.87	0.18	15.58	N/A	N/A	N/A	N/A
117	1.17	0.79	10.25	4.00	7.59E-008	8.32E-005	3.00	10.75	0.00	0.00	0.00	16.63	15.00	51.21	2.67	0.30	4.55	102.34	0.00	1.00	5.25	0.00	51.21	4.27	64.81	0.17	15.57	N/A	N/A	N/A	N/A
118	1.18	0.80	10.25	4.00	8.00E-008	8.88E-005	3.00	10.89	0.00	0.00	0.00	16.69	15.00	51.87	2.68	0.30	4.61	102.50	0.00	1.00	5.31	0.00	51.87	4.20	64.53	0.16	15.58	N/A	N/A	N/A	N/A
119	1.19	0.80	10.22	4.00	8.03E-008	8.91E-005	3.00	10.89	0.00	0.00	0.00	16.67	15.00	51.86	2.66	0.30	4.61	102.46	0.00	1.00	5.33	0.00	51.86	4.20	64.44	0.16	15.57	N/A	N/A	N/A	N/A
120	1.20	0.81	10.40	4.00	8.24E-008	9.26E-005	3.00	11.03	0.00	0.00	0.00	16.83	15.00	52.51	2.67	0.30	4.66	102.87	0.00	1.00	5.30	0.00	52.51	4.16	64.72	0.17	15.60	N/A	N/A	N/A	N/A
121	1.21	0.82	10.63	4.00	8.38E-008	9.54E-005	3.00	11.17	0.00	0.00	0.00	17.02	15.00	53.17	2.69	0.30	4.72	103.34	0.00	1.00	5.25	0.00	53.17	4.14	65.15	0.17	15.63	N/A	N/A	N/A	N/A
122	1.22	0.85	10.97	4.00	9.31E-008	1.10E-004	3.00	11.58	0.00	0.00	0.00	17.38	15.00	55.16	2.76	0.30	4.90	104.27	0.00	1.00	5.28	0.00	55.16	4.00	65.34	0.17	15.68	N/A	N/A	N/A	N/A
123	1.23	0.88	11.10	4.00	1.06E-007	1.30E-004	4.00	12.00	0.00	0.00	0.00	17.62	15.00	57.15	2.84	0.30	5.08	104.90	0.00	1.00	5.41	0.00	57.15	3.84	64.90	0.17	15.71	N/A	N/A	N/A	N/A
124	1.24	0.91	11.26	4.00	1.19E-007	1.51E-004	4.00	12.42	0.00	0.00	0.00	17.87	15.00	59.14	2.92	0.30	5.25	105.56	0.00	1.00	5.51	0.00	59.14	3.69	64.56	0.16	15.74	N/A	N/A	N/A	N/A
125	1.25	1.01	11.57	5.00	1.79E-007	2.52E-004	4.00	13.82	24.00	31.61	17.52	18.57	0.00	0.00	0.00	0.30	0.00	107.36	-0.03	0.00	0.00	0.00	12.57	3.23	62.91	0.14	15.81	N/A	N/A	N/A	N/A
126	1.26	1.07	11.82	5.00	2.21E-007	3.30E-004	4.00	14.66	24.00	31.54	17.88	19.01	0.00	0.00	0.00	0.30	0.00	108.47	-0.03	0.00	0.00	0.00	12.63	3.01	62.22	0.14	15.85	N/A	N/A	N/A	N/A
127	1.27	1.22	12.33	5.00	3.61E-007	6.17E-004	4.00	16.75	26.00	31.35	18.70	20.01	0.00	0.00	0.00	0.30	0.00	110.93	-0.03	0.00	0.00	0.00	12.64	2.56	60.58	0.12	15.95	N/A	N/A	N/A	N/A
128	1.28	1.30	12.64	5.00	4.55E-007	8.28E-004	5.00	17.87	27.00	31.29	19.13	20.54	0.00	0.00	0.00	0.30	0.00	112.20	-0.03	0.00	0.00	0.00	12.70	2.38	60.04	0.11	16.01	N/A	N/A	N/A	N/A
129	1.29	1.47	13.46	5.00	6.94E-007	1.43E-003	5.00	20.25	29.00	31.26	20.08	21.72	0.00	0.00	0.00	0.30	0.00	114.95	-0.03	0.00	0.00	0.00	12.79	2.09	59.76	0.11	16.13	N/A	N/A	N/A	N/A
130	1.30	1.56	14.00	5.00	8.39E-007	1.84E-003	5.00	21.51	29.00	31.29	20.61	22.38	0.00	0.00	0.00	0.30	0.00	116.45	-0.03	0.00	0.00	0.00	12.90	1.98	60.06	0.11	16.19	N/A	N/A	N/A	N/A
131	1.31	1.65	14.47	5.00	1.01E-006	2.35E-003	5.00	22.77	30.00	31.33	21.09	23.00	0.00	0.00	0.00	0.30	0.00	117.81	-0.03	0.00	0.00	0.00	13.02	1.88	60.37	0.12	16.25	N/A	N/A	N/A	N/A
132	1.32	1.73	15.76	5.00	1.08E-006	2.63E-003	6.00	23.88	31.00	31.54	21.87	24.01	0.00	0.00	0.00	0.30	0.00	119.95	-0.03	0.00	0.00	0.00	13.22	1.85	62.21	0.14	16.37	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
133	1.33	1.73	16.46	5.00	1.01E-006	2.45E-003	6.00	23.88	31.00	31.66	22.14	24.38	0.00	0.00	0.00	0.30	0.00	120.70	-0.03	0.00	0.00	0.00	13.39	1.88	63.39	0.15	16.42	N/A	N/A	N/A	N/A
134	1.34	1.65	17.69	5.00	7.32E-007	1.70E-003	6.00	22.76	30.00	31.95	22.35	24.71	0.00	0.00	0.00	0.30	0.00	121.28	-0.04	0.00	0.00	0.00	13.65	2.06	66.11	0.19	16.48	N/A	N/A	N/A	N/A
135	1.35	1.59	18.35	5.00	5.88E-007	1.31E-003	5.00	21.92	30.00	32.14	22.40	24.80	0.00	0.00	0.00	0.30	0.00	121.39	-0.04	0.00	0.00	0.00	13.85	2.20	67.98	0.22	16.51	N/A	N/A	N/A	N/A
136	1.36	1.52	19.17	5.00	4.51E-007	9.62E-004	5.00	20.93	29.00	32.40	22.45	24.91	0.00	0.00	0.00	0.30	0.00	121.53	-0.05	0.00	0.00	0.00	14.09	2.39	70.52	0.27	16.55	N/A	N/A	N/A	N/A
137	1.37	1.37	20.62	5.00	2.55E-007	4.89E-004	5.00	18.83	28.00	32.94	22.39	24.91	0.00	0.00	0.00	0.30	0.00	121.37	-0.06	0.00	0.00	0.00	14.50	2.87	76.28	0.43	16.59	N/A	N/A	N/A	N/A
138	1.38	1.30	21.12	4.00	1.95E-007	3.54E-004	5.00	17.85	0.00	0.00	0.00	24.80	15.00	84.99	3.77	0.30	7.55	121.07	0.00	1.00	4.23	0.00	84.99	3.14	78.97	0.54	16.60	N/A	N/A	N/A	N/A
139	1.39	1.17	22.04	4.00	1.15E-007	1.87E-004	5.00	16.03	0.00	0.00	0.00	24.52	15.00	76.31	3.36	0.30	6.78	120.36	0.00	1.00	3.64	0.00	76.31	3.74	84.45	0.58	16.60	N/A	N/A	N/A	N/A
140	1.40	1.11	22.35	4.00	8.89E-008	1.38E-004	5.00	15.18	0.00	0.00	0.00	24.32	15.00	72.30	3.16	0.30	6.42	119.87	0.00	1.00	3.40	0.00	72.30	4.06	86.93	0.58	16.60	N/A	N/A	N/A	N/A
141	1.41	1.06	22.61	4.00	7.12E-008	1.05E-004	4.00	14.48	0.00	0.00	0.00	24.13	15.00	68.95	2.99	0.30	6.12	119.44	0.00	1.00	3.20	0.00	68.95	4.36	89.06	0.58	16.60	N/A	N/A	N/A	N/A
142	1.42	0.95	22.64	4.00	4.40E-008	5.81E-005	4.00	12.94	0.00	0.00	0.00	23.46	15.00	61.61	2.65	0.30	5.47	117.91	0.00	1.00	2.86	0.00	61.61	5.08	92.71	0.58	16.56	N/A	N/A	N/A	N/A
143	1.43	0.89	22.51	4.00	3.34E-008	4.12E-005	4.00	12.09	0.00	0.00	0.00	23.01	15.00	57.59	2.46	0.30	5.12	116.89	0.00	1.00	2.69	0.00	57.59	5.54	94.42	0.58	16.52	N/A	N/A	N/A	N/A
144	1.44	0.84	22.39	4.00	2.62E-008	3.04E-005	4.00	11.39	0.00	0.00	0.00	22.62	15.00	54.25	2.30	0.30	4.82	115.98	0.00	1.00	2.54	0.00	54.25	5.97	95.83	0.58	16.50	N/A	N/A	N/A	N/A
145	1.45	0.75	21.85	3.00	1.66E-008	1.71E-005	4.00	10.13	0.00	0.00	0.00	21.74	15.00	48.23	2.04	0.30	4.28	113.96	0.00	1.00	2.32	0.00	48.23	6.83	97.60	0.58	16.42	N/A	N/A	N/A	N/A
146	1.46	0.69	21.44	3.00	1.19E-008	1.05E-005	3.00	8.69	0.00	0.00	0.00	21.11	15.00	44.22	1.85	0.30	3.93	112.48	0.00	1.00	2.17	0.00	44.22	7.53	98.61	0.58	16.37	N/A	N/A	N/A	N/A
147	1.47	0.58	20.18	3.00	6.12E-009	3.76E-006	3.00	6.04	0.00	0.00	0.00	19.68	15.00	36.87	1.53	0.30	3.28	109.06	0.00	1.00	1.92	0.00	36.87	9.07	99.03	0.84	16.23	N/A	N/A	N/A	N/A
148	1.48	0.53	19.45	3.00	4.36E-009	2.22E-006	3.00	4.99	0.00	0.00	0.00	18.93	15.00	33.52	1.39	0.30	2.98	107.22	0.00	1.00	1.81	0.00	33.52	9.94	98.69	0.80	16.16	N/A	N/A	N/A	N/A
149	1.49	0.43	18.41	3.00	1.87E-009	6.10E-007	2.00	3.20	0.00	0.00	0.00	17.51	15.00	26.84	1.10	0.30	2.38	103.57	0.00	1.00	1.53	0.00	26.84	12.41	98.64	0.76	16.01	N/A	N/A	N/A	N/A
150	1.50	0.41	17.37	3.00	1.67E-009	4.91E-007	2.00	2.89	0.00	0.00	0.00	16.89	15.00	25.50	1.04	0.30	2.26	101.99	0.00	1.00	1.54	0.00	25.50	12.78	96.48	0.71	15.93	N/A	N/A	N/A	N/A
151	1.51	0.36	16.24	3.00	1.04E-009	2.30E-007	2.00	2.18	0.00	0.00	0.00	15.87	15.00	22.15	0.90	0.30	1.97	99.26	0.00	1.00	1.43	0.00	22.15	14.42	94.55	0.66	15.80	N/A	N/A	N/A	N/A
152	1.52	0.32	15.86	3.00	8.00E-010	1.37E-007	2.00	1.68	0.00	0.00	0.00	15.21	15.00	19.47	0.78	0.30	1.73	97.41	0.00	1.00	1.29	0.00	19.47	16.34	94.19	0.64	15.73	N/A	N/A	N/A	N/A
153	1.53	0.30	15.17	3.00	7.23E-010	1.07E-007	2.00	1.46	0.00	0.00	0.00	14.68	15.00	18.12	0.73	0.30	1.61	95.92	0.00	1.00	1.25	0.00	18.12	17.27	92.65	0.61	15.65	N/A	N/A	N/A	N/A
154	1.54	0.31	14.63	3.00	7.96E-010	1.27E-007	2.00	1.57	0.00	0.00	0.00	14.60	15.00	18.78	0.75	0.30	1.67	95.76	0.00	1.00	1.35	0.00	18.78	16.38	91.08	0.58	15.62	N/A	N/A	N/A	N/A
155	1.55	0.33	14.03	3.00	9.37E-010	1.71E-007	2.00	1.79	0.00	0.00	0.00	14.62	15.00	20.10	0.79	0.30	1.79	95.88	0.00	1.00	1.50	0.00	20.10	14.98	89.16	0.55	15.60	N/A	N/A	N/A	N/A
156	1.56	0.37	13.59	3.00	1.59E-009	3.72E-007	2.00	2.30	0.00	0.00	0.00	14.91	15.00	22.76	0.89	0.30	2.02	96.80	0.00	1.00	1.76	0.00	22.76	12.94	87.24	0.53	15.60	N/A	N/A	N/A	N/A
157	1.57	0.48	12.86	3.00	5.67E-009	2.32E-006	3.00	4.02	0.00	0.00	0.00	15.69	15.00	30.09	1.18	0.30	2.67	99.20	0.00	1.00	2.46	0.00	30.09	9.26	82.52	0.50	15.64	N/A	N/A	N/A	N/A
158	1.58	0.53	12.80	3.00	8.88E-009	4.49E-006	3.00	4.96	0.00	0.00	0.00	16.10	15.00	33.42	1.30	0.30	2.97	100.38	0.00	1.00	2.74	0.00	33.42	8.18	80.91	0.58	15.67	N/A	N/A	N/A	N/A
159	1.59	0.67	12.20	4.00	2.71E-008	2.24E-005	3.00	8.11	0.00	0.00	0.00	16.87	15.00	42.75	1.65	0.30	3.80	102.64	0.00	1.00	3.68	0.00	42.75	5.91	74.75	0.38	15.71	N/A	N/A	N/A	N/A
160	1.60	0.73	11.76	4.00	4.17E-008	4.13E-005	3.00	9.70	0.00	0.00	0.00	17.05	15.00	46.74	1.79	0.30	4.15	103.20	0.00	1.00	4.17	0.00	46.74	5.17	71.52	0.29	15.70	N/A	N/A	N/A	N/A
161	1.61	0.80	11.67	4.00	6.29E-008	6.92E-005	3.00	10.79	0.00	0.00	0.00	17.44	15.00	51.40	1.96	0.30	4.57	104.29	0.00	1.00	4.62	0.00	51.40	4.54	69.10	0.24	15.73	N/A	N/A	N/A	N/A
162	1.62	0.90	11.67	4.00	1.05E-007	1.30E-004	4.00	12.19	0.00	0.00	0.00	18.01	15.00	58.05	2.20	0.30	5.16	105.85	0.00	1.00	5.22	0.00	58.05	3.85	66.20	0.19	15.77	N/A	N/A	N/A	N/A
163	1.63	0.95	11.54	4.00	1.34E-007	1.76E-004	4.00	12.89	0.00	0.00	0.00	18.21	15.00	61.38	2.31	0.30	5.45	106.41	0.00	1.00	5.58	0.00	61.38	3.55	64.48	0.16	15.78	N/A	N/A	N/A	N/A
164	1.64	1.01	11.73	5.00	1.70E-007	2.38E-004	4.00	13.73	24.00	31.68	17.56	18.63	0.00	0.00	0.00	0.30	0.00	107.48	-0.03	0.00	0.00	0.00	16.48	3.28	63.51	0.15	15.82	N/A	N/A	N/A	N/A
165	1.65	1.04	11.79	5.00	1.91E-007	2.76E-004	4.00	14.15	24.00	31.62	17.71	18.82	0.00	0.00	0.00	0.30	0.00	107.96	-0.03	0.00	0.00	0.00	16.54	3.16	62.96	0.14	15.84	N/A	N/A	N/A	N/A
166	1.66	1.10	11.70	5.00	2.46E-007	3.76E-004	4.00	14.98	25.00	31.44	17.93	19.06	0.00	0.00	0.00	0.30	0.00	108.61	-0.03	0.00	0.00	0.00	16.52	2.91	61.39	0.13	15.85	N/A	N/A	N/A	N/A
167	1.67	1.13	11.70	5.00	2.76E-007	4.33E-004	4.00	15.40	25.00	31.38	18.05	19.20	0.00	0.00	0.00	0.30	0.00	108.98	-0.03	0.00	0.00	0.00	16.58	2.80	60.78	0.12	15.86	N/A	N/A	N/A	N/A
168	1.68	1.17	11.86	5.00	3.13E-007	5.09E-004	4.00	15.96	25.00	31.33	18.28	19.48	0.00	0.00	0.00	0.30	0.00	109.67	-0.03	0.00	0.00	0.00	16.65	2.69	60.43	0.12	15.89	N/A	N/A	N/A	N/A
169	1.69	1.20	11.98	5.00	3.43E-007	5.73E-004	4.00	16.38	26.00	31.31	18.45	19.69	0.00	0.00	0.00	0.30	0.00	110.17	-0.03	0.00	0.00	0.00	16.72	2.61	60.19	0.11	15.91	N/A	N/A	N/A	N/A
170	1.70	1.21	12.27	5.00	3.43E-007	5.77E-004	4.00	16.51	26.00	31.37	18.61	19.90	0.00	0.00	0.00	0.30	0.00	110.65	-0.03	0.00	0.00	0.00	16.86	2.61	60.73	0.12	15.94	N/A	N/A	N/A	N/A
171	1.71	1.24	13.18	5.00	3.40E-007	5.87E-004	4.00	16.93	26.00	31.56	19.10	20.55	0.00	0.00	0.00	0.30	0.00	112.12	-0.03	0.00	0.00	0.00	17.09	2.61	62.41	0.14	16.04	N/A	N/A	N/A	N/A
172	1.72	1.26	13.59	5.00	3.47E-007	6.09E-004	5.00	17.21	26.00	31.62	19.35	20.86	0.00	0.00	0.00	0.30	0.00	112.83	-0.03	0.00	0.00	0.00	17.23	2.60	63.03	0.14	16.08	N/A	N/A	N/A	N/A
173	1.73	1.28	14.35	5.00	3.40E-007	6.07E-004	5.00	17.49	27.00	31.78	19.73	21.37	0.00	0.00	0.00	0.30	0.00	113.94	-0.04	0.00	0.00	0.00	17.43	2.61	64.45	0.16	16.15	N/A	N/A	N/A	N/A
174	1.74	1.28	14.72	5.00	3.27E-007	5.82E-004	5.00	17.48	27.00	31.87	19.88	21.56	0.00	0.00	0.00	0.30	0.00	114.35	-0.04	0.00	0.00	0.00	17.60	2.65	65.31	0.17	16.18	N/A	N/A	N/A	N/A
175	1.75	1.28	15.04	5.00	3.15E-007	5.62E-004	5.00	17.48	27.00	31.95	20.00	21.73	0.00	0.00	0.00	0.30	0.00	114.71	-0.04	0.00	0.00	0.00	17.75	2.68	66.05	0.18	16.20	N/A	N/A	N/A	N/A
176	1.76	1.26	15.23	5.00	2.89E-007	5.06E-004	5.00	17.20	26.00	32.03	19.99	21.74	0.00	0.00	0.00	0.30	0.00	114.70	-0.04	0.00	0.00	0.00	17.91	2.76	66.88	0.20	16.21	N/A	N/A	N/A	N/A
177	1.77	1.24	15.29	5.00	2.68E-007	4.61E-004	5.00	16.92	26.00	32.09	19.94	21.67	0.00	0.00	0.00	0.30	0.00	114.53	-0.04	0.00	0.00	0.00	18.05	2.83	67.43	0.21	16.21	N/A	N/A	N/A	N/A
178	1.78	1.17	15.45	5.00	2.05E-007	3.32E-004	4.00	15.94	25.00	32.28	19.71	21.41	0.00	0.00	0.00	0.30	0.00	113.89	-0.05	0.00	0.00	0.00	18.29	3.09	69.37	0.24	16.20	N/A	N/A	N/A	N/A
179	1.79	1.14	15.45	5.00	1.83E-007	2.89E-004	4.00	15.51	25.00	32.36	19.59	21.26	0.00	0.00	0.00	0.30	0.00	113.52	-0.05	0.00	0.00	0.00	18.44	3.20	70.09	0.26	16.19	N/A	N/A	N/A	N/A
180	1.80	1.11	15.54	4.00	1.61E-007	2.48E-004	4.00	15.09	0.00	0.00	0.00	21.15	15.00	71.86	2.45	0.30	6.38	113.24	0.00	1.00	4.86	0.00	71.86	3.34	71.06	0.28	16.18	N/A	N/A	N/A	N/A
181	1.81	1.04	15.83	4.00	1.18E-007	1.69E-004	4.00	14.11	0.00	0.00	0.00	20.93	15.00	67.18	2.28	0.30	5.97	112.64	0.00	1.00	4.46	0.00	67.18	3.70	73.66	0.34	16.18	N/A	N/A	N/A	N/A
182	1.82	1.01	15.83	4.00	1.04E-007	1.45E-004	4.00	13.69	0.00	0.00	0.00	20.76	15.00	65.17	2.20	0.30	5.79	112.24	0.00	1.00	4.32	0.00	65.17	3.86	74.52	0.37	16.17	N/A	N/A	N/A	N/A
183	1.83	0.98	15.92	4.00	9.00E-008	1.22E-004	4.00	13.26	0.00	0.00	0.00	20.63	15.00	63.16	2.12	0.30	5.61	111.91	0.00	1.00	4.17	0.00	63.16	4.04	75.62	0.41	16.16	N/A	N/A	N/A	N/A
184	1.84	0.93	15.86	4.00	7.20E-008	9.22E-005	4.00	12.56	0.00	0.00	0.00	20.31	15.00	59.81	2.00	0.30	5.31	111.13	0.00	1.00	3.96	0.00	59.81	4.35	76.98	0.45	16.14	N/A	N/A	N/A	N/A
185	1.85	0.92	15.76	4.00	6.94E-008	8.78E-005	4.00	12.42	0.00	0.00	0.00	20.21	15.00	59.14	1.97	0.30	5.25	110.87	0.00	1.00	3.94	0.00	59.14	4.40	77.03	0.46	16.13	N/A	N/A	N/A	N/A
186	1.86	0.91	15.73	4.00	6.63E-008	8.30E-005	4.00	12.28	0.00	0.00	0.00	20.13	15.00	58.46	1.93	0.30	5.19	110.68	0.00	1.00	3.90	0.00	58.46	4.46	77.26	0.46	16.12	N/A	N/A	N/A	N/A
187	1.87	0.91	15.61	4.00	6.71E-008	8.40E-005	4.00	12.27	0.00	0.00	0.00	20.07	15.00	58.45	1.92	0.30	5.19	110.55	0.00	1.00	3.93	0.00	58.45	4.45	76.95	0.45	16.11	N/A	N/A	N/A	N/A
188	1.88	0.92	15.45	4.00	7.16E-008	9.06E-005	4.00	12.41	0.00	0.00	0.00	20.05	15.00	59.10	1.93	0.30	5.25	110.53	0.00	1.00	4.02	0.00	59.10	4.36	76.22	0.43	16.10	N/A	N/A	N/A	N/A
189	1.89	0.95	14.98	4.00	8.66E-008	1.13E-004	4.00	12.83	0.00	0.00	0.00	20.00	15.00	61.09	1.99	0.30	5.43	110.45	0.00	1.00	4.28	0.00	61.09	4.10	74.08	0.36	16.08	N/A	N/A	N/A	N/A
190	1.90	0.98	14.82	4.00	1.01E-007	1.36E-004	4.00	13.25	0.00	0.00	0.00	20.09	15.00	63.08	2.04	0.30	5.60	110.70	0.00	1.00	4.47	0.00	63.08	3.90	72.79	0.32	16.08	N/A	N/A	N/A	N/A
191	1.91	0.98	14.82	4.00	1.01E-007	1.36E-004	4.00	13.25	0.00	0.00	0.00	20.09	15.00	63.07	2.03	0.30	5.60	110.70	0.00	1.00	4.47	0.00	63.07	3.90	72.79	0.32	16.08	N/A	N/A	N/A	N/A
192	1.92	0.98	14.82	4.00	1.01E-007	1.36E-004	4.00	13.24	0.00	0.00	0.00	20.09	15.00	63.06	2.02	0.30	5.60	110.70	0.00	1.00	4.47	0.00	63.06	3.90	72.80	0.32	16.08	N/A	N/A	N/A	N/A
193	1.93	1.17	12.42	5.00	2.87E-007	4.66E-004	4.00	15.90	25.00	31.50	18.50	19.78	0.00	0.00	0.00	0.30	0.00	110.33	-0.03	0.00	0.00	0.00	19.23	2.76	61.92	0.13	15.95	N/A	N/A	N/A	N/A
194	1.94	1.24	12.99	5.00	3.43E-007	5.91E-004	4.00	16.88	26.00	31.51	19.01	20.43	0.00	0.00	0.00	0.30	0.00	111.84	-0.03	0.00	0.00	0.00	19.33	2.61	62.02	0.13	16.02	N/A	N/A	N/A	N/A
195	1.95	1.28	13.27	5.00	3.81E-007	6.76E-004	5.00	17.44	27.00	31.51	19.28	20.76	0.00	0.00	0.00	0.30	0.00	112.63	-0.03	0.00	0.00	0.00	19.43	2.52	61.99	0.13	16.06	N/A	N/A	N/A	N/A
196	1.96	1.37	14.06	5.00	4.65E-007	8.86E-004	5.00	18.69	27.00	31.55	19.94	21.59	0.00	0.00	0.00	0.30	0.00	114.53	-0.03	0.00	0.00	0.00	19.56	2.37	62.38	0.14	16.15	N/A	N/A	N/A	N/A
197	1.97	1.41	14.47	5.00	5.02E-007	9.86E-004	5.00	19.25	28.00	31.59	20.25	21.99	0.00	0.00	0.00	0.30	0.00	115.42	-0.03	0.00	0.00	0.00	19.69	2.31	62.70	0.14	16.19	N/A	N/A	N/A	N/A
198	1.98	1.45	15.45	5.00	5.10E-007	1.03E-003	5.00	19.81	28.00	31.75	20.78	22.68	0.00	0.00	0.00	0.30	0.00	116.92	-0.04	0.00	0.00	0.00	19.91	2.30	64.22	0.16	16.28	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data									Estimations																		
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
199	1.99	1.46	15.73	5.00	5.10E-007	1.04E-003	5.00	19.95	28.00	31.80	20.92	22.87	0.00	0.00	0.00	0.30	0.00	117.32	-0.04	0.00	0.00	0.00	20.05	2.30	64.66	0.16	16.30	N/A	N/A	N/A	N/A
200	2.00	1.43	16.33	5.00	4.39E-007	8.73E-004	5.00	19.53	28.00	31.98	21.04	23.06	0.00	0.00	0.00	0.30	0.00	117.66	-0.04	0.00	0.00	0.00	20.29	2.41	66.35	0.19	16.34	N/A	N/A	N/A	N/A
201	2.01	1.38	16.81	5.00	3.59E-007	6.88E-004	5.00	18.82	28.00	32.17	21.04	23.08	0.00	0.00	0.00	0.30	0.00	117.65	-0.05	0.00	0.00	0.00	20.55	2.57	68.21	0.22	16.36	N/A	N/A	N/A	N/A
202	2.02	1.34	16.96	5.00	3.11E-007	5.79E-004	5.00	18.26	27.00	32.28	20.94	22.97	0.00	0.00	0.00	0.30	0.00	117.38	-0.05	0.00	0.00	0.00	20.73	2.69	69.29	0.24	16.36	N/A	N/A	N/A	N/A
203	2.03	1.25	17.75	5.00	2.13E-007	3.70E-004	5.00	17.00	26.00	32.63	20.87	22.93	0.00	0.00	0.00	0.30	0.00	117.18	-0.05	0.00	0.00	0.00	21.13	3.05	72.99	0.33	16.38	N/A	N/A	N/A	N/A
204	2.04	1.21	17.81	5.00	1.84E-007	3.09E-004	5.00	16.44	26.00	32.74	20.73	22.76	0.00	0.00	0.00	0.30	0.00	116.77	-0.06	0.00	0.00	0.00	21.32	3.20	74.09	0.36	16.37	N/A	N/A	N/A	N/A
205	2.05	1.21	18.16	4.00	1.78E-007	2.98E-004	5.00	16.43	0.00	0.00	0.00	22.92	15.00	78.26	2.35	0.30	6.95	117.12	0.00	1.00	4.53	0.00	78.26	3.23	74.90	0.38	16.40	N/A	N/A	N/A	N/A
206	2.06	1.27	19.01	5.00	2.03E-007	3.58E-004	5.00	17.27	26.00	32.85	21.39	23.63	0.00	0.00	0.00	0.30	0.00	118.64	-0.06	0.00	0.00	0.00	21.62	3.09	75.36	0.40	16.47	N/A	N/A	N/A	N/A
207	2.07	1.32	18.82	5.00	2.44E-007	4.48E-004	5.00	17.97	27.00	32.71	21.53	23.78	0.00	0.00	0.00	0.30	0.00	119.01	-0.06	0.00	0.00	0.00	21.61	2.91	73.79	0.35	16.47	N/A	N/A	N/A	N/A
208	2.08	1.46	17.94	5.00	4.09E-007	8.32E-004	5.00	19.93	28.00	32.27	21.75	24.00	0.00	0.00	0.00	0.30	0.00	119.61	-0.05	0.00	0.00	0.00	21.35	2.46	69.22	0.24	16.45	N/A	N/A	N/A	N/A
209	2.09	1.52	17.75	5.00	4.95E-007	1.05E-003	5.00	20.77	29.00	32.14	21.89	24.16	0.00	0.00	0.00	0.30	0.00	120.01	-0.04	0.00	0.00	0.00	21.35	2.32	67.91	0.21	16.46	N/A	N/A	N/A	N/A
210	2.10	1.58	17.81	5.00	5.82E-007	1.28E-003	5.00	21.60	30.00	32.07	22.12	24.44	0.00	0.00	0.00	0.30	0.00	120.64	-0.04	0.00	0.00	0.00	21.39	2.21	67.23	0.20	16.48	N/A	N/A	N/A	N/A
211	2.11	1.68	18.00	5.00	7.44E-007	1.74E-003	6.00	23.00	30.00	31.99	22.53	24.95	0.00	0.00	0.00	0.30	0.00	121.75	-0.04	0.00	0.00	0.00	21.43	2.05	66.51	0.19	16.51	N/A	N/A	N/A	N/A
212	2.12	1.73	17.88	5.00	8.53E-007	2.06E-003	6.00	23.70	31.00	31.93	22.65	25.08	0.00	0.00	0.00	0.30	0.00	122.06	-0.04	0.00	0.00	0.00	21.48	1.97	65.88	0.18	16.51	N/A	N/A	N/A	N/A
213	2.13	1.78	17.97	5.00	9.56E-007	2.38E-003	6.00	24.40	31.00	31.91	22.84	25.32	0.00	0.00	0.00	0.30	0.00	122.58	-0.04	0.00	0.00	0.00	21.57	1.91	65.70	0.18	16.53	N/A	N/A	N/A	N/A
214	2.14	1.79	18.29	5.00	9.51E-007	2.38E-003	6.00	24.54	31.00	31.96	22.99	25.52	0.00	0.00	0.00	0.30	0.00	122.98	-0.04	0.00	0.00	0.00	21.71	1.91	66.16	0.19	16.55	N/A	N/A	N/A	N/A
215	2.15	1.82	18.79	5.00	9.76E-007	2.48E-003	6.00	24.95	32.00	32.02	23.27	25.89	0.00	0.00	0.00	0.30	0.00	123.73	-0.04	0.00	0.00	0.00	21.87	1.90	66.80	0.20	16.59	N/A	N/A	N/A	N/A
216	2.16	1.83	18.67	5.00	1.01E-006	2.58E-003	6.00	25.09	32.00	32.00	23.25	25.87	0.00	0.00	0.00	0.30	0.00	123.69	-0.04	0.00	0.00	0.00	21.95	1.88	66.55	0.19	16.59	N/A	N/A	N/A	N/A
217	2.17	1.86	18.85	5.00	1.07E-006	2.77E-003	6.00	25.51	32.00	32.01	23.41	26.07	0.00	0.00	0.00	0.30	0.00	124.12	-0.04	0.00	0.00	0.00	22.07	1.85	66.69	0.19	16.60	N/A	N/A	N/A	N/A
218	2.18	1.92	19.23	5.00	1.18E-006	3.17E-003	6.00	26.35	33.00	32.05	23.74	26.49	0.00	0.00	0.00	0.30	0.00	124.97	-0.04	0.00	0.00	0.00	22.21	1.80	67.03	0.20	16.64	N/A	N/A	N/A	N/A
219	2.19	1.95	19.86	5.00	1.20E-006	3.26E-003	6.00	26.76	33.00	32.13	24.06	26.91	0.00	0.00	0.00	0.30	0.00	125.81	-0.04	0.00	0.00	0.00	22.38	1.80	67.87	0.21	16.68	N/A	N/A	N/A	N/A
220	2.20	2.01	20.72	5.00	1.27E-006	3.57E-003	6.00	27.60	33.00	32.24	24.55	27.56	0.00	0.00	0.00	0.30	0.00	127.08	-0.05	0.00	0.00	0.00	22.58	1.77	68.94	0.23	16.74	N/A	N/A	N/A	N/A
221	2.21	2.03	21.09	5.00	1.28E-006	3.65E-003	6.00	27.88	34.00	32.29	24.74	27.82	0.00	0.00	0.00	0.30	0.00	127.58	-0.05	0.00	0.00	0.00	22.73	1.77	69.42	0.24	16.77	N/A	N/A	N/A	N/A
222	2.22	2.06	22.04	5.00	1.27E-006	3.66E-003	7.00	28.30	34.00	32.41	25.16	28.39	0.00	0.00	0.00	0.30	0.00	128.67	-0.05	0.00	0.00	0.00	22.94	1.77	70.66	0.27	16.82	N/A	N/A	N/A	N/A
223	2.23	2.07	22.54	5.00	1.25E-006	3.62E-003	7.00	28.44	34.00	32.48	25.36	28.67	0.00	0.00	0.00	0.30	0.00	129.19	-0.05	0.00	0.00	0.00	23.11	1.78	71.33	0.28	16.85	N/A	N/A	N/A	N/A
224	2.24	2.08	23.27	5.00	1.21E-006	3.51E-003	7.00	28.57	34.00	32.57	25.65	29.05	0.00	0.00	0.00	0.30	0.00	129.90	-0.05	0.00	0.00	0.00	23.30	1.79	72.31	0.31	16.89	N/A	N/A	N/A	N/A
225	2.25	2.11	24.25	5.00	1.19E-006	3.53E-003	7.00	28.99	34.00	32.69	26.07	29.62	0.00	0.00	0.00	0.30	0.00	130.96	-0.06	0.00	0.00	0.00	23.51	1.80	73.55	0.34	16.94	N/A	N/A	N/A	N/A
226	2.26	2.16	24.97	5.00	1.25E-006	3.80E-003	7.00	29.69	35.00	32.76	26.45	30.13	0.00	0.00	0.00	0.30	0.00	131.93	-0.06	0.00	0.00	0.00	23.69	1.78	74.36	0.37	16.98	N/A	N/A	N/A	N/A
227	2.27	2.25	26.08	5.00	1.39E-006	4.37E-003	7.00	30.95	35.00	32.88	27.08	30.97	0.00	0.00	0.00	0.30	0.00	133.49	-0.06	0.00	0.00	0.00	23.91	1.73	75.60	0.40	17.05	N/A	N/A	N/A	N/A
228	2.28	2.29	26.49	5.00	1.45E-006	4.67E-003	7.00	31.50	36.00	32.92	27.33	31.30	0.00	0.00	0.00	0.30	0.00	134.10	-0.06	0.00	0.00	0.00	24.05	1.71	76.06	0.42	17.07	N/A	N/A	N/A	N/A
229	2.29	2.32	27.46	5.00	1.44E-006	4.70E-003	7.00	31.92	36.00	33.02	27.73	31.84	0.00	0.00	0.00	0.30	0.00	135.08	-0.06	0.00	0.00	0.00	24.26	1.72	77.21	0.46	17.12	N/A	N/A	N/A	N/A
230	2.30	2.32	27.71	5.00	1.42E-006	4.62E-003	7.00	31.92	36.00	33.05	27.81	31.95	0.00	0.00	0.00	0.30	0.00	135.27	-0.06	0.00	0.00	0.00	24.40	1.72	77.51	0.47	17.13	N/A	N/A	N/A	N/A
231	2.31	2.30	28.12	5.00	1.33E-006	4.30E-003	7.00	31.64	36.00	33.09	27.88	32.06	0.00	0.00	0.00	0.30	0.00	135.45	-0.06	0.00	0.00	0.00	24.55	1.75	78.04	0.50	17.14	N/A	N/A	N/A	N/A
232	2.32	2.26	29.48	5.00	1.13E-006	3.59E-003	7.00	31.08	35.00	33.25	28.20	32.51	0.00	0.00	0.00	0.30	0.00	136.21	-0.07	0.00	0.00	0.00	24.82	1.82	79.88	0.58	17.19	N/A	N/A	N/A	N/A
233	2.33	2.25	30.17	5.00	1.07E-006	3.37E-003	7.00	30.93	35.00	33.34	28.38	32.77	0.00	0.00	0.00	0.30	0.00	136.65	-0.07	0.00	0.00	0.00	25.00	1.85	80.82	0.63	17.22	N/A	N/A	N/A	N/A
234	2.34	2.24	30.84	5.00	1.01E-006	3.16E-003	7.00	30.79	35.00	33.41	28.56	33.02	0.00	0.00	0.00	0.30	0.00	137.07	-0.07	0.00	0.00	0.00	25.19	1.88	81.75	0.66	17.24	N/A	N/A	N/A	N/A
235	2.35	2.25	30.93	5.00	1.02E-006	3.21E-003	7.00	30.93	35.00	33.42	28.61	33.10	0.00	0.00	0.00	0.30	0.00	137.21	-0.07	0.00	0.00	0.00	25.31	1.88	81.81	0.66	17.25	N/A	N/A	N/A	N/A
236	2.36	2.26	31.09	5.00	1.03E-006	3.26E-003	7.00	31.07	35.00	33.43	28.69	33.20	0.00	0.00	0.00	0.30	0.00	137.39	-0.07	0.00	0.00	0.00	25.44	1.87	81.97	0.66	17.25	N/A	N/A	N/A	N/A
237	2.37	2.24	31.15	5.00	9.87E-007	3.10E-003	7.00	30.78	35.00	33.45	28.65	33.15	0.00	0.00	0.00	0.30	0.00	137.29	-0.07	0.00	0.00	0.00	25.57	1.89	82.16	0.66	17.25	N/A	N/A	N/A	N/A
238	2.38	2.25	31.81	5.00	9.68E-007	3.05E-003	7.00	30.92	35.00	33.52	28.88	33.46	0.00	0.00	0.00	0.30	0.00	137.84	-0.07	0.00	0.00	0.00	25.75	1.90	82.97	0.66	17.28	N/A	N/A	N/A	N/A
239	2.39	2.27	32.48	5.00	9.68E-007	3.08E-003	7.00	31.20	35.00	33.58	29.14	33.82	0.00	0.00	0.00	0.30	0.00	138.46	-0.07	0.00	0.00	0.00	25.92	1.90	83.72	0.66	17.31	N/A	N/A	N/A	N/A
240	2.40	2.31	32.89	5.00	1.02E-006	3.30E-003	7.00	31.76	36.00	33.60	29.38	34.14	0.00	0.00	0.00	0.30	0.00	139.03	-0.08	0.00	0.00	0.00	26.06	1.88	84.00	0.66	17.33	N/A	N/A	N/A	N/A
241	2.41	2.34	33.14	5.00	1.06E-006	3.49E-003	8.00	32.17	36.00	33.61	29.54	34.36	0.00	0.00	0.00	0.30	0.00	139.41	-0.08	0.00	0.00	0.00	26.19	1.86	84.15	0.66	17.34	N/A	N/A	N/A	N/A
242	2.42	2.38	33.42	5.00	1.12E-006	3.74E-003	8.00	32.73	36.00	33.62	29.77	34.66	0.00	0.00	0.00	0.30	0.00	139.96	-0.08	0.00	0.00	0.00	26.31	1.83	84.23	0.66	17.36	N/A	N/A	N/A	N/A
243	2.43	2.45	34.15	5.00	1.20E-006	4.13E-003	8.00	33.71	37.00	33.65	30.28	35.32	0.00	0.00	0.00	0.30	0.00	141.14	-0.08	0.00	0.00	0.00	26.46	1.80	84.63	0.67	17.39	N/A	N/A	N/A	N/A
244	2.44	2.48	34.34	5.00	1.24E-006	4.31E-003	8.00	34.13	37.00	33.65	30.48	35.58	0.00	0.00	0.00	0.30	0.00	141.61	-0.08	0.00	0.00	0.00	26.57	1.78	84.60	0.67	17.40	N/A	N/A	N/A	N/A
245	2.45	2.52	34.90	5.00	1.27E-006	4.51E-003	8.00	34.68	37.00	33.68	30.82	36.02	0.00	0.00	0.00	0.30	0.00	142.40	-0.08	0.00	0.00	0.00	26.72	1.77	84.98	0.67	17.43	N/A	N/A	N/A	N/A
246	2.46	2.53	35.06	5.00	1.28E-006	4.53E-003	8.00	34.82	37.00	33.68	30.94	36.17	0.00	0.00	0.00	0.30	0.00	142.67	-0.08	0.00	0.00	0.00	26.84	1.77	85.04	0.67	17.44	N/A	N/A	N/A	N/A
247	2.47	2.54	35.63	5.00	1.25E-006	4.46E-003	8.00	34.96	37.00	33.73	31.16	36.48	0.00	0.00	0.00	0.30	0.00	143.18	-0.08	0.00	0.00	0.00	27.00	1.78	85.59	0.67	17.46	N/A	N/A	N/A	N/A
248	2.48	2.53	36.16	5.00	1.20E-006	4.24E-003	8.00	34.82	37.00	33.78	31.30	36.67	0.00	0.00	0.00	0.30	0.00	143.49	-0.08	0.00	0.00	0.00	27.17	1.80	86.20	0.67	17.47	N/A	N/A	N/A	N/A
249	2.49	2.50	37.33	5.00	1.08E-006	3.77E-003	8.00	34.40	37.00	33.90	31.52	37.00	0.00	0.00	0.00	0.30	0.00	144.00	-0.08	0.00	0.00	0.00	27.41	1.85	87.76	0.67	17.50	N/A	N/A	N/A	N/A
250	2.50	2.48	38.06	5.00	1.00E-006	3.48E-003	8.00	34.11	37.00	33.98	31.66	37.21	0.00	0.00	0.00	0.30	0.00	144.33	-0.08	0.00	0.00	0.00	27.61	1.89	88.75	0.67	17.52	N/A	N/A	N/A	N/A
251	2.51	2.46	38.59	5.00	9.42E-007	3.25E-003	8.00	33.83	37.00	34.04	31.75	37.34	0.00	0.00	0.00	0.30	0.00	144.53	-0.08	0.00	0.00	0.00	27.79	1.92	89.51	0.68	17.53	N/A	N/A	N/A	N/A
252	2.52	2.42	39.73	5.00	8.35E-007	2.83E-003	8.00	33.27	36.00	34.17	31.91	37.58	0.00	0.00	0.00	0.30	0.00	144.89	-0.09	0.00	0.00	0.00	28.05	1.98	91.30	0.68	17.56	N/A	N/A	N/A	N/A
253	2.53	2.40	40.20	5.00	7.87E-007	2.65E-003	8.00	32.99	36.00	34.23	31.98	37.69	0.00	0.00	0.00	0.30	0.00	145.05	-0.09	0.00	0.00	0.00	28.23	2.02	92.06	0.68	17.57	N/A	N/A	N/A	N/A
254	2.54	2.39	40.96	5.00	7.45E-007	2.49E-003	8.00	32.84	36.00	34.31	32.16	37.95	0.00	0.00	0.00	0.30	0.00	145.46	-0.09	0.00	0.00	0.00	28.43	2.05	93.10	0.68	17.59	N/A	N/A	N/A	N/A
255	2.55	2.38	41.02	5.00	7.26E-007	2.42E-003	8.00	32.70	36.00	34.32	32.17	37.96	0.00	0.00	0.00	0.30	0.00	145.49	-0.09	0.00	0.00	0.00	28.56	2.07	93.23	0.68	17.59	N/A	N/A	N/A	N/A
256	2.56	2.36	41.08	5.00	6.96E-007	2.30E-003	8.00	32.42	36.00	34.34	32.14	37.92	0.00	0.00	0.00	0.30	0.00	145.41	-0.09	0.00	0.00	0.00	28.70	2.09	93.49	0.68	17.59	N/A	N/A	N/A	N/A
257	2.57	2.34	41.37	5.00	6.60E-007	2.16E-003	8.00	32.14	36.00	34.38	32.16	37.95	0.00	0.00	0.00	0.30	0.00	145.46	-0.09	0.00	0.00	0.00	28.87	2.12	94.07	0.68	17.60	N/A	N/A	N/A	N/A
258	2.58	2.29	41.81	5.00	5.92E-007	1.90E-003	8.00	31.43	35.00	34.47	32.09	37.88	0.00	0.00	0.00	0.30	0.00	145.30	-0.09	0.00	0.00	0.00	29.09	2.20	95.31	0.69	17.60	N/A	N/A	N/A	N/A
259	2.59	2.24	41.87	5.00	5.37E-007	1.68E-003	8.00	30.73	35.00	34.53	31.92	37.67	0.00	0.00	0.00	0.30	0.00	144.92	-0.09	0.00	0.00	0.00	29.27	2.26	96.10	0.69	17.59	N/A	N/A	N/A	N/A
260	2.60	2.14	41.49	5.00	4.53E-007	1.35E-003	7.00	29.33	34.00	34.61	31.42	37.02	0.00	0.00	0.00	0.30	0.00	143.78	-0.10	0.00	0.00	0.00	29.48	2.39	97.21	0.69	17.56	N/A	N/A	N/A	N/A
261	2.61	2.09	41.37	5.00	4.12E-007	1.20E-003	7.00	28.63	34.00	34.65	31.20	36.73	0.00	0.00	0.00	0.30	0.00	143.28	-0.10	0.00	0.00	0.00	29.66	2.46	97.91	0.69	17.55	N/A	N/A	N/A	N/A
262	2.62	1.99	40.39	5.00	3.51E-007	9.75E-004	7.00	27.22	33.00	34.69	30.54	35.85	0.00	0.00	0.00	0.30	0.00	141.75	-0.10	0.00	0.00	0.00	29.81	2.59	98.40	0.69	17.51	N/A	N/A	N/A	N/A
263	2.63	1.96	39.85	5.00	3.36E-007	9.19E-004	7.00	26.80	33.00	34.67	30.30	35.54	0.00	0.00	0.00	0.30	0.00	141.20	-0.10	0.00	0.00	0.00	29.92	2.62	98.14	0.69	17.48	N/A	N/A	N/A	N/A
264	2.64	1.89	39.16	5.00	2.98E-007	7.84E-004	7.00	25.82	32.00	34.70	29.84	34.92	0.00	0.00	0.00	0.30	0.00	140.11	-0.10	0.00	0.00	0.00	30.07	2.73	98.55	0.69	17.45	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data								Estimations																			
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
265	2.65	1.86	38.53	5.00	2.86E-007	7.40E-004	7.00	25.40	32.00	34.67	29.57	34.56	0.00	0.00	0.00	0.30	0.00	139.49	-0.10	0.00	0.00	0.00	30.16	2.77	98.17	0.69	17.43	N/A	N/A	N/A	N/A
266	2.66	1.82	36.67	5.00	2.83E-007	7.17E-004	7.00	24.83	31.00	34.52	28.96	33.72	0.00	0.00	0.00	0.30	0.00	138.04	-0.09	0.00	0.00	0.00	30.11	2.77	95.99	0.69	17.36	N/A	N/A	N/A	N/A
267	2.67	1.79	35.47	5.00	2.79E-007	6.94E-004	7.00	24.41	31.00	34.42	28.55	33.16	0.00	0.00	0.00	0.30	0.00	137.06	-0.09	0.00	0.00	0.00	30.11	2.79	94.63	0.69	17.32	N/A	N/A	N/A	N/A
268	2.68	1.78	33.71	5.00	2.95E-007	7.30E-004	6.00	24.27	31.00	34.21	28.10	32.51	0.00	0.00	0.00	0.30	0.00	135.96	-0.09	0.00	0.00	0.00	30.00	2.74	91.83	0.68	17.26	N/A	N/A	N/A	N/A
269	2.69	1.79	33.01	5.00	3.10E-007	7.72E-004	6.00	24.41	31.00	34.10	28.00	32.36	0.00	0.00	0.00	0.30	0.00	135.73	-0.09	0.00	0.00	0.00	29.99	2.69	90.37	0.68	17.23	N/A	N/A	N/A	N/A
270	2.70	1.81	31.56	5.00	3.47E-007	8.74E-004	6.00	24.68	31.00	33.88	27.75	31.98	0.00	0.00	0.00	0.30	0.00	135.12	-0.08	0.00	0.00	0.00	29.85	2.60	87.44	0.67	17.19	N/A	N/A	N/A	N/A
271	2.71	1.80	30.68	5.00	3.53E-007	8.84E-004	6.00	24.54	31.00	33.77	27.50	31.63	0.00	0.00	0.00	0.30	0.00	134.51	-0.08	0.00	0.00	0.00	29.85	2.58	86.11	0.67	17.15	N/A	N/A	N/A	N/A
272	2.72	1.83	29.35	5.00	4.03E-007	1.03E-003	6.00	24.96	31.00	33.54	27.31	31.34	0.00	0.00	0.00	0.30	0.00	134.05	-0.07	0.00	0.00	0.00	29.70	2.48	83.24	0.66	17.11	N/A	N/A	N/A	N/A
273	2.73	1.83	28.79	5.00	4.13E-007	1.05E-003	6.00	24.96	31.00	33.46	27.19	31.15	0.00	0.00	0.00	0.30	0.00	133.75	-0.07	0.00	0.00	0.00	29.72	2.46	82.26	0.66	17.08	N/A	N/A	N/A	N/A
274	2.74	1.84	27.40	5.00	4.54E-007	1.16E-003	6.00	25.09	31.00	33.24	26.87	30.69	0.00	0.00	0.00	0.30	0.00	132.97	-0.07	0.00	0.00	0.00	29.59	2.38	79.71	0.57	17.03	N/A	N/A	N/A	N/A
275	2.75	1.83	26.58	5.00	4.63E-007	1.18E-003	6.00	24.95	31.00	33.13	26.62	30.34	0.00	0.00	0.00	0.30	0.00	132.35	-0.07	0.00	0.00	0.00	29.58	2.37	78.45	0.51	16.99	N/A	N/A	N/A	N/A
276	2.76	1.82	25.76	5.00	4.74E-007	1.20E-003	6.00	24.81	31.00	33.02	26.37	29.98	0.00	0.00	0.00	0.30	0.00	131.71	-0.06	0.00	0.00	0.00	29.56	2.35	77.18	0.46	16.95	N/A	N/A	N/A	N/A
277	2.77	1.79	24.62	5.00	4.72E-007	1.17E-003	6.00	24.39	30.00	32.88	25.93	29.38	0.00	0.00	0.00	0.30	0.00	130.62	-0.06	0.00	0.00	0.00	29.51	2.35	75.66	0.41	16.90	N/A	N/A	N/A	N/A
278	2.78	1.78	24.03	5.00	4.77E-007	1.18E-003	6.00	24.24	30.00	32.80	25.74	29.11	0.00	0.00	0.00	0.30	0.00	130.13	-0.06	0.00	0.00	0.00	29.53	2.35	74.75	0.38	16.87	N/A	N/A	N/A	N/A
279	2.79	1.74	23.14	5.00	4.59E-007	1.11E-003	6.00	23.68	30.00	32.71	25.31	28.54	0.00	0.00	0.00	0.30	0.00	129.04	-0.06	0.00	0.00	0.00	29.54	2.38	73.79	0.35	16.81	N/A	N/A	N/A	N/A
280	2.80	1.72	22.67	5.00	4.50E-007	1.07E-003	6.00	23.40	30.00	32.66	25.10	28.26	0.00	0.00	0.00	0.30	0.00	128.51	-0.06	0.00	0.00	0.00	29.59	2.39	73.24	0.33	16.79	N/A	N/A	N/A	N/A
281	2.81	1.70	22.48	5.00	4.33E-007	1.02E-003	6.00	23.12	29.00	32.65	24.97	28.09	0.00	0.00	0.00	0.30	0.00	128.19	-0.06	0.00	0.00	0.00	29.69	2.42	73.18	0.33	16.77	N/A	N/A	N/A	N/A
282	2.82	1.68	22.35	5.00	4.14E-007	9.63E-004	6.00	22.83	29.00	32.66	24.87	27.95	0.00	0.00	0.00	0.30	0.00	127.91	-0.06	0.00	0.00	0.00	29.80	2.46	73.25	0.33	16.76	N/A	N/A	N/A	N/A
283	2.83	1.67	22.26	5.00	4.04E-007	9.35E-004	6.00	22.69	29.00	32.66	24.82	27.89	0.00	0.00	0.00	0.30	0.00	127.79	-0.06	0.00	0.00	0.00	29.91	2.47	73.22	0.33	16.75	N/A	N/A	N/A	N/A
284	2.84	1.65	22.35	5.00	3.80E-007	8.69E-004	6.00	22.41	29.00	32.70	24.78	27.84	0.00	0.00	0.00	0.30	0.00	127.69	-0.06	0.00	0.00	0.00	30.07	2.52	73.70	0.35	16.75	N/A	N/A	N/A	N/A
285	2.85	1.66	22.92	5.00	3.72E-007	8.55E-004	6.00	22.55	29.00	32.78	25.03	28.18	0.00	0.00	0.00	0.30	0.00	128.34	-0.06	0.00	0.00	0.00	30.26	2.54	74.54	0.37	16.78	N/A	N/A	N/A	N/A
286	2.86	1.67	23.02	5.00	3.76E-007	8.69E-004	6.00	22.69	29.00	32.78	25.14	28.31	0.00	0.00	0.00	0.30	0.00	128.61	-0.06	0.00	0.00	0.00	30.37	2.53	74.51	0.37	16.79	N/A	N/A	N/A	N/A
287	2.87	1.72	23.11	5.00	4.17E-007	9.94E-004	6.00	23.38	29.00	32.71	25.43	28.67	0.00	0.00	0.00	0.30	0.00	129.35	-0.06	0.00	0.00	0.00	30.40	2.45	73.78	0.35	16.81	N/A	N/A	N/A	N/A
288	2.88	1.74	23.40	5.00	4.25E-007	1.03E-003	6.00	23.66	29.00	32.72	25.64	28.94	0.00	0.00	0.00	0.30	0.00	129.89	-0.06	0.00	0.00	0.00	30.52	2.43	73.93	0.35	16.83	N/A	N/A	N/A	N/A
289	2.89	1.76	23.68	5.00	4.34E-007	1.06E-003	6.00	23.94	30.00	32.73	25.85	29.20	0.00	0.00	0.00	0.30	0.00	130.41	-0.06	0.00	0.00	0.00	30.64	2.42	74.06	0.36	16.84	N/A	N/A	N/A	N/A
290	2.90	1.79	23.81	5.00	4.57E-007	1.13E-003	6.00	24.36	30.00	32.71	26.06	29.46	0.00	0.00	0.00	0.30	0.00	130.94	-0.06	0.00	0.00	0.00	30.72	2.38	73.78	0.35	16.86	N/A	N/A	N/A	N/A
291	2.91	1.79	23.81	5.00	4.54E-007	1.13E-003	6.00	24.35	30.00	32.70	26.09	29.49	0.00	0.00	0.00	0.30	0.00	131.01	-0.06	0.00	0.00	0.00	30.83	2.38	73.74	0.35	16.86	N/A	N/A	N/A	N/A
292	2.92	1.79	23.81	5.00	4.51E-007	1.12E-003	6.00	24.35	30.00	32.70	26.11	29.52	0.00	0.00	0.00	0.30	0.00	131.08	-0.06	0.00	0.00	0.00	30.93	2.39	73.71	0.35	16.86	N/A	N/A	N/A	N/A
293	2.93	1.86	20.94	5.00	6.34E-007	1.64E-003	6.00	25.33	30.00	32.13	25.54	28.64	0.00	0.00	0.00	0.30	0.00	129.62	-0.04	0.00	0.00	0.00	30.37	2.15	67.87	0.21	16.72	N/A	N/A	N/A	N/A
294	2.94	1.88	21.16	5.00	6.47E-007	1.69E-003	6.00	25.61	30.00	32.14	25.72	28.88	0.00	0.00	0.00	0.30	0.00	130.09	-0.04	0.00	0.00	0.00	30.48	2.14	67.98	0.22	16.74	N/A	N/A	N/A	N/A
295	2.95	1.92	21.50	5.00	6.82E-007	1.82E-003	6.00	26.16	30.00	32.15	26.04	29.28	0.00	0.00	0.00	0.30	0.00	130.88	-0.04	0.00	0.00	0.00	30.60	2.10	68.06	0.22	16.77	N/A	N/A	N/A	N/A
296	2.96	1.95	21.69	5.00	7.10E-007	1.92E-003	7.00	26.58	31.00	32.15	26.25	29.55	0.00	0.00	0.00	0.30	0.00	131.43	-0.04	0.00	0.00	0.00	30.70	2.08	68.02	0.22	16.78	N/A	N/A	N/A	N/A
297	2.97	2.00	22.01	5.00	7.63E-007	2.12E-003	7.00	27.28	31.00	32.15	26.60	29.99	0.00	0.00	0.00	0.30	0.00	132.29	-0.04	0.00	0.00	0.00	30.80	2.04	68.00	0.22	16.81	N/A	N/A	N/A	N/A
298	2.98	2.16	22.26	5.00	1.01E-006	3.03E-003	7.00	29.52	32.00	32.06	27.37	30.93	0.00	0.00	0.00	0.30	0.00	134.19	-0.04	0.00	0.00	0.00	30.80	1.88	67.11	0.20	16.85	N/A	N/A	N/A	N/A
299	2.99	2.29	22.23	5.00	1.26E-006	4.03E-003	7.00	31.34	33.00	31.98	27.90	31.57	0.00	0.00	0.00	0.30	0.00	135.48	-0.04	0.00	0.00	0.00	30.82	1.77	66.40	0.19	16.87	N/A	N/A	N/A	N/A
300	3.00	2.63	22.26	5.00	2.15E-006	8.00E-003	8.00	36.58	35.00	31.95	29.19	33.14	0.00	0.00	0.00	0.30	0.00	138.58	-0.04	0.00	0.00	0.00	30.89	1.57	66.12	0.19	16.93	N/A	N/A	N/A	N/A
301	3.01	2.85	22.45	5.00	2.88E-006	1.10E-002	8.00	37.65	36.00	32.04	30.04	34.18	0.00	0.00	0.00	0.30	0.00	140.58	-0.04	0.00	0.00	0.00	31.10	1.48	66.94	0.20	16.97	N/A	N/A	N/A	N/A
302	3.02	3.08	23.02	5.00	3.73E-006	1.48E-002	9.00	38.88	37.00	32.21	31.02	35.42	0.00	0.00	0.00	0.30	0.00	142.86	-0.05	0.00	0.00	0.00	31.41	1.42	68.63	0.23	17.03	N/A	N/A	N/A	N/A
303	3.03	3.42	24.69	6.00	5.02E-006	2.10E-002	10.00	40.98	39.00	32.57	32.69	37.60	0.00	0.00	0.00	0.30	0.00	146.67	-0.05	0.00	0.00	0.00	31.96	1.37	72.35	0.31	17.15	N/A	N/A	N/A	N/A
304	3.04	3.49	26.11	6.00	4.97E-006	2.12E-002	10.00	41.89	39.00	32.71	33.43	38.60	0.00	0.00	0.00	0.30	0.00	148.30	-0.06	0.00	0.00	0.00	32.24	1.37	73.79	0.35	17.22	N/A	N/A	N/A	N/A
305	3.05	3.50	28.44	5.00	4.40E-006	1.93E-002	10.00	42.95	39.00	32.85	34.27	39.81	0.00	0.00	0.00	0.30	0.00	150.16	-0.06	0.00	0.00	0.00	32.53	1.39	75.35	0.40	17.32	N/A	N/A	N/A	N/A
306	3.06	3.41	32.07	5.00	3.28E-006	1.48E-002	10.00	44.11	39.00	33.03	35.19	41.18	0.00	0.00	0.00	0.30	0.00	152.17	-0.06	0.00	0.00	0.00	32.86	1.45	77.28	0.47	17.45	N/A	N/A	N/A	N/A
307	3.07	3.34	33.64	5.00	2.79E-006	1.26E-002	10.00	44.48	39.00	33.10	35.49	41.64	0.00	0.00	0.00	0.30	0.00	152.80	-0.06	0.00	0.00	0.00	33.07	1.49	78.08	0.50	17.49	N/A	N/A	N/A	N/A
308	3.08	3.19	37.08	5.00	1.98E-006	9.10E-003	10.00	45.17	38.00	33.31	36.04	42.52	0.00	0.00	0.00	0.30	0.00	154.00	-0.07	0.00	0.00	0.00	33.45	1.60	80.55	0.61	17.59	N/A	N/A	N/A	N/A
309	3.09	3.14	38.56	5.00	1.73E-006	7.62E-003	10.00	43.22	38.00	33.42	36.33	42.95	0.00	0.00	0.00	0.30	0.00	154.61	-0.07	0.00	0.00	0.00	33.71	1.64	81.81	0.66	17.63	N/A	N/A	N/A	N/A
310	3.10	3.03	41.34	5.00	1.33E-006	5.65E-003	10.00	41.67	37.00	33.65	36.75	43.61	0.00	0.00	0.00	0.30	0.00	155.49	-0.08	0.00	0.00	0.00	34.12	1.75	84.64	0.67	17.69	N/A	N/A	N/A	N/A
311	3.11	2.99	42.94	5.00	1.18E-006	4.92E-003	10.00	41.11	37.00	33.79	37.07	44.09	0.00	0.00	0.00	0.30	0.00	156.17	-0.08	0.00	0.00	0.00	34.42	1.81	86.35	0.67	17.73	N/A	N/A	N/A	N/A
312	3.12	2.93	44.11	5.00	1.03E-006	4.22E-003	9.00	40.27	37.00	33.91	37.19	44.29	0.00	0.00	0.00	0.30	0.00	156.43	-0.08	0.00	0.00	0.00	34.69	1.87	87.82	0.67	17.76	N/A	N/A	N/A	N/A
313	3.13	2.83	46.73	5.00	8.06E-007	3.19E-003	9.00	38.87	36.00	34.18	37.52	44.82	0.00	0.00	0.00	0.30	0.00	157.12	-0.09	0.00	0.00	0.00	35.17	2.00	91.35	0.68	17.81	N/A	N/A	N/A	N/A
314	3.14	2.78	47.64	5.00	7.21E-007	2.80E-003	9.00	38.16	36.00	34.28	37.59	44.94	0.00	0.00	0.00	0.30	0.00	157.27	-0.09	0.00	0.00	0.00	35.43	2.07	92.78	0.68	17.82	N/A	N/A	N/A	N/A
315	3.15	2.72	49.85	5.00	6.06E-007	2.31E-003	9.00	37.32	35.00	34.51	37.93	45.46	0.00	0.00	0.00	0.30	0.00	157.98	-0.09	0.00	0.00	0.00	35.86	2.18	95.92	0.69	17.87	N/A	N/A	N/A	N/A
316	3.16	2.68	50.23	5.00	5.60E-007	2.10E-003	9.00	36.76	35.00	34.58	37.90	45.43	0.00	0.00	0.00	0.30	0.00	157.91	-0.10	0.00	0.00	0.00	36.06	2.23	96.80	0.69	17.87	N/A	N/A	N/A	N/A
317	3.17	2.64	50.67	5.00	5.16E-007	1.90E-003	9.00	36.20	35.00	34.65	37.88	45.41	0.00	0.00	0.00	0.30	0.00	157.86	-0.10	0.00	0.00	0.00	36.28	2.29	97.80	0.69	17.88	N/A	N/A	N/A	N/A
318	3.18	2.58	50.01	5.00	4.79E-007	1.72E-003	9.00	35.35	35.00	34.65	37.50	44.90	0.00	0.00	0.00	0.30	0.00	157.08	-0.10	0.00	0.00	0.00	36.41	2.34	97.80	0.69	17.85	N/A	N/A	N/A	N/A
319	3.19	2.56	48.62	5.00	4.85E-007	1.73E-003	9.00	35.07	34.00	34.54	37.12	44.35	0.00	0.00	0.00	0.30	0.00	156.27	-0.09	0.00	0.00	0.00	36.39	2.34	96.34	0.69	17.82	N/A	N/A	N/A	N/A
320	3.20	2.54	45.69	5.00	5.21E-007	1.85E-003	9.00	34.79	34.00	34.30	36.34	43.24	0.00	0.00	0.00	0.30	0.00	154.63	-0.09	0.00	0.00	0.00	36.18	2.28	92.97	0.68	17.74	N/A	N/A	N/A	N/A
321	3.21	2.54	44.74	5.00	5.37E-007	1.90E-003	9.00	34.79	34.00	34.21	36.14	42.94	0.00	0.00	0.00	0.30	0.00	154.20	-0.09	0.00	0.00	0.00	36.18	2.26	91.75	0.68	17.72	N/A	N/A	N/A	N/A
322	3.22	2.55	44.33	5.00	5.51E-007	1.96E-003	9.00	34.92	34.00	34.16	36.11	42.89	0.00	0.00	0.00	0.30	0.00	154.14	-0.09	0.00	0.00	0.00	36.23	2.24	91.06	0.68	17.71	N/A	N/A	N/A	N/A
323	3.23	2.59	43.51	5.00	6.03E-007	2.18E-003	9.00	35.48	34.00	34.04	36.10	42.84	0.00	0.00	0.00	0.30	0.00	154.12	-0.08	0.00	0.00	0.00	36.18	2.18	89.52	0.68	17.69	N/A	N/A	N/A	N/A
324	3.24	2.62	42.50	5.00	6.54E-007	2.39E-003	9.00	35.90	34.00	33.91	35.99	42.66	0.00	0.00	0.00	0.30	0.00	153.89	-0.08	0.00	0.00	0.00	36.13	2.13	87.92	0.67	17.67	N/A	N/A	N/A	N/A
325	3.25	2.61	42.41	5.00	6.42E-007	2.34E-003	9.00	35.76	34.00	33.91	35.96	42.61	0.00	0.00	0.00	0.30	0.00	153.83	-0.08	0.00	0.00	0.00	36.25	2.14	87.86	0.67	17.67	N/A	N/A	N/A	N/A
326	3.26	2.69	44.84	5.00	6.55E-007	2.46E-003	9.00	36.87	35.00	34.06	36.96	43.98	0.00	0.00	0.00	0.30	0.00	155.94	-0.08	0.00	0.00	0.00	36.57	2.13	89.80	0.68	17.74	N/A	N/A	N/A	N/A
327	3.27	2.74	45.50	5.00	6.84E-007	2.62E-003	9.00	37.57	35.00	34.07	37.36	44.52	0.00	0.00	0.00	0.30	0.00	156.79	-0.08	0.00	0.00	0.00	36.71	2.10	89.97	0.68	17.77	N/A	N/A	N/A	N/A
328	3.28	2.81	48.87	5.00	6.64E-007	2.61E-003	9.00	38.55	35.00	34.30	38.54	46.16	0.00	0.00	0.00	0.30	0.00	159.24	-0.09	0.00	0.00	0.00	37.15	2.12	92.98	0.68	17.86	N/A	N/A	N/A	N/A
329	3.29	2.83	50.83	5.00	6.34E-007	2.51E-003	10.00	38.83	36.00	34.44	39.14	47.01	0.00	0.00	0.00	0.30	0.00	160.48	-0.09	0.00	0.00	0.00	37.46	2.15	94.88	0.69	17.91	N/A	N/A	N/A	N/A
330	3.30	2.83	52.72	5.00	5.91E-007	2.34E-003	10.00	38.82	36.00	34.58	39.65	47.72	0.00	0.00	0.00	0.30	0.00	161.51	-0.10	0.00	0.00	0.00	37.79	2.20	96.92	0.69	17.95	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
331	3.31	2.80	53.35	5.00	5.51E-007	2.16E-003	10.00	38.40	35.00	34.66	39.71	47.83	0.00	0.00	0.00	0.30	0.00	161.65	-0.10	0.00	0.00	0.00	38.02	2.24	97.93	0.69	17.96	N/A	N/A	N/A	N/A
332	3.32	2.76	53.16	5.00	5.20E-007	2.01E-003	10.00	37.84	35.00	34.67	39.54	47.60	0.00	0.00	0.00	0.30	0.00	161.30	-0.10	0.00	0.00	0.00	38.17	2.29	98.17	0.69	17.95	N/A	N/A	N/A	N/A
333	3.33	2.63	53.35	5.00	4.22E-007	1.55E-003	9.00	36.02	34.00	34.81	39.08	47.01	0.00	0.00	0.00	0.30	0.00	160.35	-0.10	0.00	0.00	0.00	38.49	2.44	100.18	0.70	17.93	N/A	N/A	N/A	N/A
334	3.34	2.57	53.29	5.00	3.83E-007	1.37E-003	9.00	35.17	34.00	34.87	38.85	46.70	0.00	0.00	0.00	0.30	0.00	159.87	-0.10	0.00	0.00	0.00	38.69	2.52	101.00	0.70	17.92	N/A	N/A	N/A	N/A
335	3.35	2.53	55.18	5.00	3.35E-007	1.18E-003	9.00	34.61	34.00	35.06	39.15	47.16	0.00	0.00	0.00	0.30	0.00	160.50	-0.11	0.00	0.00	0.00	39.10	2.63	103.91	0.70	17.96	N/A	N/A	N/A	N/A
336	3.36	2.42	56.97	4.00	2.62E-007	8.85E-004	9.00	33.07	0.00	0.00	0.00	47.15	15.00	157.47	2.82	0.30	11.40	160.41	0.00	1.00	2.90	0.00	157.47	2.84	108.12	0.58	17.98	N/A	N/A	N/A	N/A
337	3.37	2.38	57.23	4.00	2.42E-007	8.01E-004	9.00	32.51	0.00	0.00	0.00	47.04	15.00	154.79	2.76	0.30	11.21	160.23	0.00	1.00	2.84	0.00	154.79	2.92	109.20	0.58	17.98	N/A	N/A	N/A	N/A
338	3.38	2.34	58.17	4.00	2.18E-007	7.09E-004	9.00	31.94	0.00	0.00	0.00	47.15	15.00	152.11	2.70	0.30	11.02	160.35	0.00	1.00	2.75	0.00	152.11	3.03	111.18	0.58	17.99	N/A	N/A	N/A	N/A
339	3.39	2.26	60.44	4.00	1.75E-007	5.49E-004	9.00	30.82	0.00	0.00	0.00	47.41	15.00	146.77	2.60	0.30	10.68	160.66	0.00	1.00	2.55	0.00	146.77	3.25	115.81	0.58	18.02	N/A	N/A	N/A	N/A
340	3.40	2.23	61.39	4.00	1.60E-007	4.95E-004	9.00	30.40	0.00	0.00	0.00	47.56	15.00	144.76	2.56	0.30	10.54	160.86	0.00	1.00	2.48	0.00	144.76	3.35	117.68	0.58	18.03	N/A	N/A	N/A	N/A
341	3.41	2.15	61.42	4.00	1.37E-007	4.08E-004	8.00	29.28	0.00	0.00	0.00	47.09	15.00	139.41	2.45	0.30	10.17	160.12	0.00	1.00	2.38	0.00	139.41	3.53	119.64	0.58	18.02	N/A	N/A	N/A	N/A
342	3.42	2.11	61.51	4.00	1.25E-007	3.67E-004	8.00	28.71	0.00	0.00	0.00	46.89	15.00	136.73	2.40	0.30	9.98	159.81	0.00	1.00	2.33	0.00	136.73	3.63	120.71	0.58	18.01	N/A	N/A	N/A	N/A
343	3.43	2.05	61.86	4.00	1.10E-007	3.11E-004	8.00	27.87	0.00	0.00	0.00	46.63	15.00	132.72	2.32	0.30	9.70	159.38	0.00	1.00	2.25	0.00	132.72	3.79	122.70	0.58	18.01	N/A	N/A	N/A	N/A
344	3.44	2.02	63.09	4.00	9.87E-008	2.76E-004	8.00	27.45	0.00	0.00	0.00	46.84	15.00	130.71	2.28	0.30	9.56	159.66	0.00	1.00	2.18	0.00	130.71	3.92	125.08	0.58	18.02	N/A	N/A	N/A	N/A
345	3.45	1.99	64.92	4.00	8.74E-008	2.41E-004	8.00	27.03	0.00	0.00	0.00	47.21	15.00	128.70	2.24	0.30	9.42	160.18	0.00	1.00	2.08	0.00	128.70	4.08	128.26	0.58	18.05	N/A	N/A	N/A	N/A
346	3.46	1.92	68.51	4.00	6.76E-008	1.80E-004	8.00	26.04	0.00	0.00	0.00	47.78	15.00	124.02	2.15	0.30	9.13	160.93	0.00	1.00	1.90	0.00	124.02	4.44	134.95	0.58	18.10	N/A	N/A	N/A	N/A
347	3.47	1.91	70.94	4.00	6.15E-008	1.62E-004	8.00	25.90	0.00	0.00	0.00	48.44	15.00	123.34	2.13	0.30	9.08	161.86	0.00	1.00	1.83	0.00	123.34	4.57	138.35	0.58	18.14	N/A	N/A	N/A	N/A
348	3.48	1.85	75.42	4.00	4.76E-008	1.22E-004	8.00	25.06	0.00	0.00	0.00	49.25	15.00	119.32	2.06	0.30	8.83	162.95	0.00	1.00	1.66	0.00	119.32	4.96	145.91	0.58	18.20	N/A	N/A	N/A	N/A
349	3.49	1.82	77.88	4.00	4.15E-008	1.04E-004	8.00	24.64	0.00	0.00	0.00	49.71	15.00	117.31	2.01	0.30	8.69	163.57	0.00	1.00	1.58	0.00	117.31	5.18	149.92	0.58	18.23	N/A	N/A	N/A	N/A
350	3.50	1.79	79.96	3.00	3.66E-008	9.03E-005	8.00	24.21	0.00	0.00	0.00	50.06	15.00	115.30	1.97	0.30	8.55	164.04	0.00	1.00	1.51	0.00	115.30	5.38	153.42	0.58	18.25	N/A	N/A	N/A	N/A
351	3.51	1.75	83.65	3.00	3.03E-008	7.30E-005	8.00	23.65	0.00	0.00	0.00	50.72	15.00	112.62	1.92	0.30	8.37	164.91	0.00	1.00	1.41	0.00	112.62	5.71	159.26	0.58	18.29	N/A	N/A	N/A	N/A
352	3.52	1.75	85.13	3.00	2.91E-008	7.01E-005	8.00	23.65	0.00	0.00	0.00	51.14	15.00	112.61	1.92	0.30	8.36	165.52	0.00	1.00	1.39	0.00	112.61	5.78	160.97	0.58	18.31	N/A	N/A	N/A	N/A
353	3.53	1.74	86.04	3.00	2.76E-008	6.62E-005	8.00	23.51	0.00	0.00	0.00	51.34	15.00	111.93	1.90	0.30	8.30	165.78	0.00	1.00	1.37	0.00	111.93	5.87	162.30	0.58	18.32	N/A	N/A	N/A	N/A
354	3.54	1.71	86.83	3.00	2.51E-008	5.90E-005	8.00	23.08	0.00	0.00	0.00	51.32	15.00	109.92	1.86	0.30	8.15	165.74	0.00	1.00	1.33	0.00	109.92	6.05	164.14	0.58	18.33	N/A	N/A	N/A	N/A
355	3.55	1.70	87.59	3.00	2.39E-008	5.59E-005	8.00	22.94	0.00	0.00	0.00	51.47	15.00	109.24	1.84	0.30	8.08	165.95	0.00	1.00	1.31	0.00	109.24	6.13	165.26	0.58	18.34	N/A	N/A	N/A	N/A
356	3.56	1.73	88.25	3.00	2.52E-008	5.99E-005	8.00	23.36	0.00	0.00	0.00	51.96	15.00	111.23	1.87	0.30	8.19	166.66	0.00	1.00	1.32	0.00	111.23	6.04	164.92	0.58	18.35	N/A	N/A	N/A	N/A
357	3.57	1.75	88.98	3.00	2.58E-008	6.22E-005	8.00	23.64	0.00	0.00	0.00	52.38	15.00	112.55	1.89	0.30	8.26	167.27	0.00	1.00	1.33	0.00	112.55	5.99	165.00	0.58	18.37	N/A	N/A	N/A	N/A
358	3.58	1.76	89.26	3.00	2.61E-008	6.33E-005	8.00	23.77	0.00	0.00	0.00	52.59	15.00	113.20	1.89	0.30	8.28	167.58	0.00	1.00	1.33	0.00	113.20	5.97	164.87	0.58	18.37	N/A	N/A	N/A	N/A
359	3.59	1.81	89.86	3.00	2.88E-008	7.18E-005	8.00	24.47	0.00	0.00	0.00	53.24	15.00	116.52	1.94	0.30	8.48	168.52	0.00	1.00	1.36	0.00	116.52	5.80	163.81	0.58	18.39	N/A	N/A	N/A	N/A
360	3.60	1.83	90.30	3.00	2.97E-008	7.48E-005	8.00	24.75	0.00	0.00	0.00	53.58	15.00	117.85	1.96	0.30	8.54	169.01	0.00	1.00	1.37	0.00	117.85	5.74	163.55	0.58	18.40	N/A	N/A	N/A	N/A
361	3.61	1.85	91.31	3.00	3.02E-008	7.70E-005	8.00	25.02	0.00	0.00	0.00	54.06	15.00	119.17	1.97	0.30	8.61	169.69	0.00	1.00	1.37	0.00	119.17	5.71	163.97	0.58	18.42	N/A	N/A	N/A	N/A
362	3.62	1.85	92.48	3.00	2.92E-008	7.46E-005	8.00	25.02	0.00	0.00	0.00	54.40	15.00	119.15	1.97	0.30	8.59	170.17	0.00	1.00	1.35	0.00	119.15	5.77	165.21	0.58	18.43	N/A	N/A	N/A	N/A
363	3.63	1.84	93.36	3.00	2.79E-008	7.07E-005	8.00	24.88	0.00	0.00	0.00	54.59	15.00	118.47	1.95	0.30	8.53	170.42	0.00	1.00	1.33	0.00	118.47	5.85	166.43	0.58	18.44	N/A	N/A	N/A	N/A
364	3.64	1.84	93.61	3.00	2.76E-008	6.99E-005	8.00	24.88	0.00	0.00	0.00	54.71	15.00	118.46	1.94	0.30	8.51	170.59	0.00	1.00	1.33	0.00	118.46	5.87	166.58	0.58	18.44	N/A	N/A	N/A	N/A
365	3.65	1.83	93.77	3.00	2.67E-008	6.73E-005	8.00	24.73	0.00	0.00	0.00	54.72	15.00	117.78	1.93	0.30	8.44	170.60	0.00	1.00	1.32	0.00	117.78	5.93	166.95	0.58	18.44	N/A	N/A	N/A	N/A
366	3.66	1.79	93.83	3.00	2.41E-008	5.95E-005	8.00	24.17	0.00	0.00	0.00	54.43	15.00	115.10	1.88	0.30	8.25	170.19	0.00	1.00	1.29	0.00	115.10	6.11	168.17	0.58	18.43	N/A	N/A	N/A	N/A
367	3.67	1.78	93.99	3.00	2.33E-008	5.72E-005	8.00	24.03	0.00	0.00	0.00	54.43	15.00	114.43	1.86	0.30	8.19	170.20	0.00	1.00	1.28	0.00	114.43	6.18	168.53	0.58	18.43	N/A	N/A	N/A	N/A
368	3.68	1.74	95.95	3.00	2.02E-008	4.84E-005	8.00	23.47	0.00	0.00	0.00	54.60	15.00	111.74	1.81	0.30	8.00	170.38	0.00	1.00	1.22	0.00	111.74	6.45	171.96	0.58	18.45	N/A	N/A	N/A	N/A
369	3.69	1.71	96.67	3.00	1.84E-008	4.32E-005	8.00	23.04	0.00	0.00	0.00	54.55	15.00	109.73	1.77	0.30	7.86	170.29	0.00	1.00	1.19	0.00	109.73	6.63	173.61	0.58	18.45	N/A	N/A	N/A	N/A
370	3.70	1.70	97.74	3.00	1.74E-008	4.07E-005	8.00	22.90	0.00	0.00	0.00	54.76	15.00	109.05	1.76	0.30	7.80	170.58	0.00	1.00	1.17	0.00	109.05	6.73	175.01	0.58	18.46	N/A	N/A	N/A	N/A
371	3.71	1.67	98.85	3.00	1.57E-008	3.60E-005	8.00	22.48	0.00	0.00	0.00	54.79	15.00	107.04	1.72	0.30	7.65	170.60	0.00	1.00	1.14	0.00	107.04	6.94	177.10	0.58	18.47	N/A	N/A	N/A	N/A
372	3.72	1.67	99.51	3.00	1.54E-008	3.53E-005	8.00	22.47	0.00	0.00	0.00	55.00	15.00	107.02	1.71	0.30	7.63	170.90	0.00	1.00	1.13	0.00	107.02	6.98	177.69	0.58	18.48	N/A	N/A	N/A	N/A
373	3.73	1.67	99.92	3.00	1.52E-008	3.48E-005	8.00	22.47	0.00	0.00	0.00	55.16	15.00	107.01	1.71	0.30	7.61	171.11	0.00	1.00	1.12	0.00	107.01	7.01	177.99	0.58	18.48	N/A	N/A	N/A	N/A
374	3.74	1.68	100.08	3.00	1.54E-008	3.55E-005	8.00	22.60	0.00	0.00	0.00	55.34	15.00	107.63	1.71	0.30	7.63	171.38	0.00	1.00	1.13	0.00	107.63	6.98	177.69	0.58	18.48	N/A	N/A	N/A	N/A
375	3.75	1.67	100.71	3.00	1.47E-008	3.37E-005	8.00	22.46	0.00	0.00	0.00	55.45	15.00	106.93	1.70	0.30	7.57	171.52	0.00	1.00	1.11	0.00	106.93	7.08	178.57	0.58	18.49	N/A	N/A	N/A	N/A
376	3.76	1.66	102.44	3.00	1.38E-008	3.13E-005	8.00	22.31	0.00	0.00	0.00	55.81	15.00	106.22	1.68	0.30	7.51	171.99	0.00	1.00	1.09	0.00	106.22	7.22	180.68	0.58	18.51	N/A	N/A	N/A	N/A
377	3.77	1.66	102.76	3.00	1.36E-008	3.09E-005	8.00	22.30	0.00	0.00	0.00	55.94	15.00	106.20	1.68	0.30	7.49	172.18	0.00	1.00	1.09	0.00	106.20	7.24	180.86	0.58	18.51	N/A	N/A	N/A	N/A
378	3.78	1.64	102.60	3.00	1.29E-008	2.91E-005	8.00	22.04	0.00	0.00	0.00	55.78	15.00	104.97	1.65	0.30	7.39	171.96	0.00	1.00	1.07	0.00	104.97	7.35	181.09	0.58	18.50	N/A	N/A	N/A	N/A
379	3.79	1.64	102.85	3.00	1.28E-008	2.87E-005	8.00	22.04	0.00	0.00	0.00	55.89	15.00	104.95	1.65	0.30	7.37	172.12	0.00	1.00	1.07	0.00	104.95	7.37	181.20	0.58	18.51	N/A	N/A	N/A	N/A
380	3.80	1.64	102.79	3.00	1.27E-008	2.86E-005	8.00	22.04	0.00	0.00	0.00	55.93	15.00	104.93	1.64	0.30	7.35	172.19	0.00	1.00	1.07	0.00	104.93	7.38	180.96	0.58	18.51	N/A	N/A	N/A	N/A
381	3.81	1.66	102.47	3.00	1.34E-008	3.05E-005	8.00	22.32	0.00	0.00	0.00	56.12	15.00	106.28	1.66	0.30	7.41	172.47	0.00	1.00	1.09	0.00	106.28	7.27	179.79	0.58	18.51	N/A	N/A	N/A	N/A
382	3.82	1.68	102.44	3.00	1.40E-008	3.23E-005	8.00	22.60	0.00	0.00	0.00	56.37	15.00	107.60	1.67	0.30	7.48	172.83	0.00	1.00	1.10	0.00	107.60	7.18	178.95	0.58	18.51	N/A	N/A	N/A	N/A
383	3.83	1.70	102.31	3.00	1.47E-008	3.42E-005	8.00	22.87	0.00	0.00	0.00	56.59	15.00	108.92	1.69	0.30	7.54	173.16	0.00	1.00	1.12	0.00	108.92	7.08	178.01	0.58	18.51	N/A	N/A	N/A	N/A
384	3.84	1.75	103.70	3.00	1.60E-008	3.86E-005	8.00	23.56	0.00	0.00	0.00	57.45	15.00	112.21	1.73	0.30	7.73	174.35	0.00	1.00	1.14	0.00	112.21	6.90	177.83	0.58	18.54	N/A	N/A	N/A	N/A
385	3.85	1.77	103.80	3.00	1.67E-008	4.05E-005	8.00	23.84	0.00	0.00	0.00	57.72	15.00	113.50	1.75	0.30	7.79	174.73	0.00	1.00	1.15	0.00	113.50	6.82	177.17	0.58	18.55	N/A	N/A	N/A	N/A
386	3.86	1.78	102.60	3.00	1.74E-008	4.24E-005	8.00	23.96	0.00	0.00	0.00	57.58	15.00	114.10	1.75	0.30	7.80	174.57	0.00	1.00	1.17	0.00	114.10	6.75	175.42	0.58	18.54	N/A	N/A	N/A	N/A
387	3.87	1.79	102.60	3.00	1.77E-008	4.34E-005	8.00	24.10	0.00	0.00	0.00	57.73	15.00	114.75	1.76	0.30	7.82	174.79	0.00	1.00	1.17	0.00	114.75	6.71	174.95	0.58	18.54	N/A	N/A	N/A	N/A
388	3.88	1.77	103.35	3.00	1.65E-008	4.00E-005	8.00	23.81	0.00	0.00	0.00	57.78	15.00	113.39	1.73	0.30	7.72	174.84	0.00	1.00	1.15	0.00	113.39	6.85	176.24	0.58	18.54	N/A	N/A	N/A	N/A
389	3.89	1.78	103.86	3.00	1.66E-008	4.05E-005	8.00	23.94	0.00	0.00	0.00	58.05	15.00	114.02	1.74	0.30	7.74	175.21	0.00	1.00	1.15	0.00	114.02	6.83	176.34	0.58	18.55	N/A	N/A	N/A	N/A
390	3.90	1.78	103.99	3.00	1.65E-008	4.01E-005	8.00	23.94	0.00	0.00	0.00	58.13	15.00	113.99	1.73	0.30	7.72	175.34	0.00	1.00	1.15	0.00	113.99	6.85	176.32	0.58	18.55	N/A	N/A	N/A	N/A
391	3.91	1.78	103.99	3.00	1.64E-008	3.99E-005	8.00	23.94	0.00	0.00	0.00	58.19	15.00	113.98	1.73	0.30	7.70	175.42	0.00	1.00	1.15	0.00	113.98	6.86	176.17	0.58	18.55	N/A	N/A	N/A	N/A
392	3.92	1.78	103.99	3.00	1.63E-008	3.96E-005	8.00	23.93	0.00	0.00	0.00	58.25	15.00	113.97	1.72	0.30	7.68	175.51	0.00	1.00	1.15	0.00	113.97	6.88	176.01	0.58	18.55	N/A	N/A	N/A	N/A
393	3.93	2.02	86.80	3.00	3.98E-008	1.11E-004	9.00	27.32	0.00	0.00	0.00	56.06	15.00	130.08	1.96	0.30	8.56	172.92	0.00	1.00	1.57	0.00	130.08	5.25	149.74	0.58	18.39	N/A	N/A	N/A	N/A
394	3.94	2.09	85.10	4.00	4.75E-008	1.37E-004	9.00	28.30	0.00	0.00	0.00	56.20	15.00	134.75	2.03	0.30	8.81	173.19	0.00	1.00	1.66	0.00	134.75	4.96	145.77	0.58	18.38	N/A	N/A	N/A	N/A
395	3.95	2.23	82.77	4.00	6.56E-008	2.02E-004	9.00	30.25	0.00	0.00	0.00	56.66	15.00	144.06	2.16	0.30	9.33	173.93	0.00	1.00	1.83	0.00	144.06	4.48	139.31	0.58	18.37	N/A	N/A	N/A	N/A
396	3.96	2.31	82.45	4.00	7.62E-008	2.44E-004	10.00	31.37	0.00	0.00	0.00	57.21	15.00	149.39	2.23	0.30	9.62	174.72	0.00	1.00	1.90	0.00	149.39	4.27	136.82	0.58	18.38	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
397	3.97	2.38	82.48	4.00	8.59E-008	2.83E-004	10.00	32.35	0.00	0.00	0.00	57.76	15.00	154.03	2.30	0.30	9.87	175.51	0.00	1.00	1.96	0.00	154.03	4.11	135.04	0.58	18.40	N/A	N/A	N/A	N/A
398	3.98	2.52	83.08	4.00	1.07E-007	3.74E-004	10.00	34.30	0.00	0.00	0.00	58.95	15.00	163.32	2.43	0.30	10.38	177.16	0.00	1.00	2.06	0.00	163.32	3.82	132.30	0.58	18.43	N/A	N/A	N/A	N/A
399	3.99	2.56	84.00	4.00	1.11E-007	3.96E-004	10.00	34.86	0.00	0.00	0.00	59.55	15.00	165.99	2.46	0.30	10.52	177.96	0.00	1.00	2.07	0.00	165.99	3.77	132.28	0.58	18.44	N/A	N/A	N/A	N/A
400	4.00	2.63	86.96	4.00	1.16E-007	4.24E-004	10.00	35.84	0.00	0.00	0.00	60.94	15.00	170.69	2.52	0.30	10.78	179.78	0.00	1.00	2.06	0.00	170.69	3.72	133.75	0.58	18.50	N/A	N/A	N/A	N/A
401	4.01	2.64	89.17	4.00	1.12E-007	4.10E-004	10.00	35.99	0.00	0.00	0.00	61.70	15.00	171.37	2.53	0.30	10.81	180.76	0.00	1.00	2.02	0.00	171.37	3.77	135.75	0.58	18.53	N/A	N/A	N/A	N/A
402	4.02	2.64	91.78	4.00	1.05E-007	3.85E-004	11.00	35.98	0.00	0.00	0.00	62.51	15.00	171.34	2.52	0.30	10.80	181.77	0.00	1.00	1.96	0.00	171.34	3.85	138.40	0.58	18.56	N/A	N/A	N/A	N/A
403	4.03	2.63	97.05	4.00	9.17E-008	3.35E-004	11.00	35.81	0.00	0.00	0.00	63.96	15.00	170.50	2.50	0.30	10.75	183.56	0.00	1.00	1.84	0.00	170.50	4.02	144.03	0.58	18.62	N/A	N/A	N/A	N/A
404	4.04	2.61	98.31	4.00	8.60E-008	3.11E-004	11.00	35.51	0.00	0.00	0.00	64.22	15.00	169.10	2.47	0.30	10.65	183.88	0.00	1.00	1.81	0.00	169.10	4.10	145.73	0.58	18.63	N/A	N/A	N/A	N/A
405	4.05	2.58	99.10	4.00	8.01E-008	2.87E-004	11.00	35.08	0.00	0.00	0.00	64.28	15.00	167.07	2.44	0.30	10.51	183.94	0.00	1.00	1.77	0.00	167.07	4.20	147.18	0.58	18.64	N/A	N/A	N/A	N/A
406	4.06	2.51	102.00	4.00	6.70E-008	2.33E-004	10.00	34.11	0.00	0.00	0.00	64.62	15.00	162.41	2.36	0.30	10.23	184.31	0.00	1.00	1.67	0.00	162.41	4.45	151.77	0.58	18.66	N/A	N/A	N/A	N/A
407	4.07	2.47	104.33	4.00	5.95E-008	2.03E-004	10.00	33.54	0.00	0.00	0.00	65.00	15.00	159.72	2.32	0.30	10.07	184.76	0.00	1.00	1.61	0.00	159.72	4.62	155.06	0.58	18.68	N/A	N/A	N/A	N/A
408	4.08	2.39	107.26	4.00	4.87E-008	1.61E-004	10.00	32.43	0.00	0.00	0.00	65.22	15.00	154.43	2.23	0.30	9.75	184.98	0.00	1.00	1.51	0.00	154.43	4.92	159.98	0.58	18.70	N/A	N/A	N/A	N/A
409	4.09	2.36	108.68	3.00	4.48E-008	1.46E-004	10.00	32.01	0.00	0.00	0.00	65.42	15.00	152.45	2.20	0.30	9.62	185.21	0.00	1.00	1.47	0.00	152.45	5.06	162.08	0.58	18.71	N/A	N/A	N/A	N/A
410	4.10	2.29	109.72	3.00	3.85E-008	1.22E-004	10.00	31.03	0.00	0.00	0.00	65.19	15.00	147.78	2.13	0.30	9.33	184.88	0.00	1.00	1.41	0.00	147.78	5.30	164.88	0.58	18.71	N/A	N/A	N/A	N/A
411	4.11	2.26	109.06	3.00	3.66E-008	1.14E-004	10.00	30.62	0.00	0.00	0.00	64.84	15.00	145.80	2.09	0.30	9.19	184.44	0.00	1.00	1.40	0.00	145.80	5.38	164.89	0.58	18.70	N/A	N/A	N/A	N/A
412	4.12	2.20	105.88	3.00	3.45E-008	1.05E-004	10.00	29.79	0.00	0.00	0.00	63.60	15.00	141.84	2.03	0.30	8.93	182.89	0.00	1.00	1.41	0.00	141.84	5.48	163.14	0.58	18.65	N/A	N/A	N/A	N/A
413	4.13	2.17	103.23	3.00	3.42E-008	1.02E-004	10.00	29.38	0.00	0.00	0.00	62.74	15.00	139.89	2.00	0.30	8.79	181.81	0.00	1.00	1.42	0.00	139.89	5.50	161.09	0.58	18.62	N/A	N/A	N/A	N/A
414	4.14	2.12	100.49	3.00	3.25E-008	9.50E-005	9.00	28.68	0.00	0.00	0.00	61.67	15.00	136.58	1.94	0.30	8.57	180.46	0.00	1.00	1.43	0.00	136.58	5.59	159.48	0.58	18.58	N/A	N/A	N/A	N/A
415	4.15	2.06	93.96	3.00	3.27E-008	9.28E-005	9.00	27.84	0.00	0.00	0.00	59.51	15.00	132.57	1.88	0.30	8.29	177.69	0.00	1.00	1.48	0.00	132.57	5.57	154.10	0.58	18.49	N/A	N/A	N/A	N/A
416	4.16	2.02	90.30	3.00	3.24E-008	9.00E-005	9.00	27.28	0.00	0.00	0.00	58.25	15.00	129.89	1.84	0.30	8.11	176.05	0.00	1.00	1.51	0.00	129.89	5.59	151.13	0.58	18.44	N/A	N/A	N/A	N/A
417	4.17	2.00	86.23	3.00	3.38E-008	9.30E-005	9.00	27.00	0.00	0.00	0.00	57.03	15.00	128.55	1.82	0.30	8.00	174.46	0.00	1.00	1.57	0.00	128.55	5.52	147.12	0.58	18.38	N/A	N/A	N/A	N/A
418	4.18	1.96	78.64	4.00	3.69E-008	9.94E-005	9.00	26.43	0.00	0.00	0.00	54.61	15.00	125.87	1.77	0.30	7.80	171.26	0.00	1.00	1.68	0.00	125.87	5.37	139.61	0.58	18.27	N/A	N/A	N/A	N/A
419	4.19	1.94	76.37	4.00	3.72E-008	9.91E-005	9.00	26.15	0.00	0.00	0.00	53.84	15.00	124.52	1.75	0.30	7.70	170.23	0.00	1.00	1.71	0.00	124.52	5.36	137.45	0.58	18.23	N/A	N/A	N/A	N/A
420	4.20	1.95	71.51	4.00	4.29E-008	1.15E-004	8.00	26.29	0.00	0.00	0.00	52.53	15.00	125.18	1.75	0.30	7.70	168.48	0.00	1.00	1.84	0.00	125.18	5.12	131.48	0.58	18.16	N/A	N/A	N/A	N/A
421	4.21	1.98	70.00	4.00	4.74E-008	1.29E-004	9.00	26.70	0.00	0.00	0.00	52.35	15.00	127.15	1.78	0.30	7.79	168.27	0.00	1.00	1.91	0.00	127.15	4.97	128.89	0.58	18.14	N/A	N/A	N/A	N/A
422	4.22	2.00	68.48	4.00	5.13E-008	1.41E-004	9.00	26.98	0.00	0.00	0.00	52.08	15.00	128.47	1.79	0.30	7.84	167.93	0.00	1.00	1.97	0.00	128.47	4.84	126.53	0.58	18.12	N/A	N/A	N/A	N/A
423	4.23	2.03	65.74	4.00	5.88E-008	1.64E-004	9.00	27.40	0.00	0.00	0.00	51.49	15.00	130.46	1.81	0.30	7.92	167.17	0.00	1.00	2.08	0.00	130.46	4.64	122.48	0.58	18.07	N/A	N/A	N/A	N/A
424	4.24	2.05	66.28	4.00	6.00E-008	1.69E-004	9.00	27.67	0.00	0.00	0.00	51.85	15.00	131.77	1.83	0.30	7.98	167.69	0.00	1.00	2.09	0.00	131.77	4.61	122.58	0.58	18.09	N/A	N/A	N/A	N/A
425	4.25	2.07	66.40	4.00	6.19E-008	1.76E-004	9.00	27.94	0.00	0.00	0.00	52.07	15.00	133.07	1.84	0.30	8.03	168.03	0.00	1.00	2.10	0.00	133.07	4.56	122.19	0.58	18.09	N/A	N/A	N/A	N/A
426	4.26	2.13	68.45	4.00	6.57E-008	1.93E-004	9.00	28.79	0.00	0.00	0.00	53.20	15.00	137.09	1.89	0.30	8.25	169.63	0.00	1.00	2.10	0.00	137.09	4.48	123.08	0.58	18.14	N/A	N/A	N/A	N/A
427	4.27	2.18	69.52	4.00	7.01E-008	2.11E-004	9.00	29.48	0.00	0.00	0.00	53.94	15.00	140.38	1.93	0.30	8.42	170.68	0.00	1.00	2.12	0.00	140.38	4.39	123.09	0.58	18.17	N/A	N/A	N/A	N/A
428	4.28	2.29	72.49	4.00	7.93E-008	2.51E-004	9.00	31.02	0.00	0.00	0.00	55.69	15.00	147.70	2.03	0.30	8.82	173.11	0.00	1.00	2.14	0.00	147.70	4.21	123.85	0.58	18.23	N/A	N/A	N/A	N/A
429	4.29	2.34	73.09	4.00	8.52E-008	2.75E-004	10.00	31.72	0.00	0.00	0.00	56.28	15.00	151.03	2.07	0.30	8.99	173.92	0.00	1.00	2.17	0.00	151.03	4.12	123.33	0.58	18.25	N/A	N/A	N/A	N/A
430	4.30	2.45	72.01	4.00	1.06E-007	3.60E-004	10.00	33.26	0.00	0.00	0.00	56.72	15.00	158.39	2.16	0.30	9.37	174.61	0.00	1.00	2.31	0.00	158.39	3.83	119.67	0.58	18.25	N/A	N/A	N/A	N/A
431	4.31	2.49	71.92	4.00	1.13E-007	3.91E-004	10.00	33.82	0.00	0.00	0.00	57.00	15.00	161.06	2.20	0.30	9.49	175.02	0.00	1.00	2.35	0.00	161.06	3.75	118.67	0.58	18.26	N/A	N/A	N/A	N/A
432	4.32	2.57	73.72	4.00	1.23E-007	4.39E-004	10.00	34.94	0.00	0.00	0.00	58.15	15.00	166.40	2.26	0.30	9.77	176.57	0.00	1.00	2.37	0.00	166.40	3.65	118.90	0.58	18.30	N/A	N/A	N/A	N/A
433	4.33	2.61	75.45	4.00	1.25E-007	4.53E-004	10.00	35.50	0.00	0.00	0.00	59.01	15.00	169.05	2.29	0.30	9.90	177.71	0.00	1.00	2.35	0.00	169.05	3.63	119.87	0.58	18.33	N/A	N/A	N/A	N/A
434	4.34	2.64	76.84	4.00	1.26E-007	4.62E-004	10.00	35.92	0.00	0.00	0.00	59.69	15.00	171.04	2.31	0.30	10.00	178.62	0.00	1.00	2.34	0.00	171.04	3.62	120.67	0.58	18.35	N/A	N/A	N/A	N/A
435	4.35	2.71	78.23	4.00	1.36E-007	5.10E-004	11.00	36.89	0.00	0.00	0.00	60.63	15.00	175.69	2.37	0.30	10.24	179.86	0.00	1.00	2.36	0.00	175.69	3.54	120.66	0.58	18.39	N/A	N/A	N/A	N/A
436	4.36	2.75	77.94	4.00	1.45E-007	5.52E-004	11.00	37.45	0.00	0.00	0.00	60.84	15.00	178.34	2.40	0.30	10.36	180.16	0.00	1.00	2.40	0.00	178.34	3.46	119.53	0.58	18.39	N/A	N/A	N/A	N/A
437	4.37	2.78	76.84	4.00	1.55E-007	5.98E-004	11.00	37.87	0.00	0.00	0.00	60.72	15.00	180.32	2.42	0.30	10.44	180.05	0.00	1.00	2.46	0.00	180.32	3.39	117.78	0.58	18.37	N/A	N/A	N/A	N/A
438	4.38	2.80	73.62	4.00	1.72E-007	6.70E-004	11.00	38.15	0.00	0.00	0.00	59.83	15.00	181.65	2.43	0.30	10.47	178.96	0.00	1.00	2.59	0.00	181.65	3.27	114.07	0.58	18.33	N/A	N/A	N/A	N/A
439	4.39	2.79	71.29	4.00	1.80E-007	6.96E-004	11.00	38.00	0.00	0.00	0.00	59.04	15.00	180.97	2.42	0.30	10.41	177.96	0.00	1.00	2.67	0.00	180.97	3.22	111.81	0.58	18.29	N/A	N/A	N/A	N/A
440	4.40	2.74	67.54	4.00	1.83E-007	6.97E-004	10.00	37.30	0.00	0.00	0.00	57.52	15.00	177.63	2.37	0.30	10.19	175.98	0.00	1.00	2.76	0.00	177.63	3.20	108.74	0.58	18.22	N/A	N/A	N/A	N/A
441	4.41	2.70	66.69	4.00	1.76E-007	6.57E-004	10.00	36.74	0.00	0.00	0.00	57.04	15.00	174.95	2.33	0.30	10.02	175.34	0.00	1.00	2.75	0.00	174.95	3.25	108.51	0.58	18.20	N/A	N/A	N/A	N/A
442	4.42	2.67	65.65	4.00	1.72E-007	6.35E-004	10.00	36.32	0.00	0.00	0.00	56.55	15.00	172.93	2.29	0.30	9.89	174.69	0.00	1.00	2.77	0.00	172.93	3.27	107.89	0.58	18.18	N/A	N/A	N/A	N/A
443	4.43	2.58	64.54	4.00	1.52E-007	5.44E-004	10.00	35.05	0.00	0.00	0.00	55.66	15.00	166.92	2.21	0.30	9.55	173.48	0.00	1.00	2.72	0.00	166.92	3.40	108.28	0.58	18.14	N/A	N/A	N/A	N/A
444	4.44	2.55	64.29	4.00	1.45E-007	5.13E-004	10.00	34.63	0.00	0.00	0.00	55.44	15.00	164.91	2.18	0.30	9.42	173.17	0.00	1.00	2.69	0.00	164.91	3.46	108.52	0.58	18.14	N/A	N/A	N/A	N/A
445	4.45	2.45	63.75	4.00	1.24E-007	4.20E-004	10.00	33.23	0.00	0.00	0.00	54.68	15.00	158.23	2.08	0.30	9.04	172.09	0.00	1.00	2.61	0.00	158.23	3.64	109.79	0.58	18.11	N/A	N/A	N/A	N/A
446	4.46	2.41	63.19	4.00	1.17E-007	3.89E-004	10.00	32.67	0.00	0.00	0.00	54.27	15.00	155.55	2.04	0.30	8.88	171.54	0.00	1.00	2.58	0.00	155.55	3.71	109.91	0.58	18.09	N/A	N/A	N/A	N/A
447	4.47	2.36	62.65	4.00	1.08E-007	3.52E-004	9.00	31.96	0.00	0.00	0.00	53.81	15.00	152.21	2.00	0.30	8.68	170.89	0.00	1.00	2.55	0.00	152.21	3.81	110.25	0.58	18.08	N/A	N/A	N/A	N/A
448	4.48	2.28	61.99	4.00	9.46E-008	2.97E-004	9.00	30.84	0.00	0.00	0.00	53.11	15.00	146.87	1.92	0.30	8.37	169.89	0.00	1.00	2.49	0.00	146.87	3.98	111.08	0.58	18.05	N/A	N/A	N/A	N/A
449	4.49	2.23	60.92	4.00	8.85E-008	2.72E-004	9.00	30.14	0.00	0.00	0.00	52.45	15.00	143.52	1.87	0.30	8.18	168.97	0.00	1.00	2.47	0.00	143.52	4.07	110.84	0.58	18.02	N/A	N/A	N/A	N/A
450	4.50	2.20	59.50	4.00	8.68E-008	2.63E-004	9.00	29.72	0.00	0.00	0.00	51.80	15.00	141.51	1.84	0.30	8.05	168.07	0.00	1.00	2.50	0.00	141.51	4.09	109.77	0.58	17.99	N/A	N/A	N/A	N/A
451	4.51	2.15	57.48	4.00	8.34E-008	2.47E-004	9.00	29.01	0.00	0.00	0.00	50.80	15.00	138.16	1.79	0.30	7.84	166.67	0.00	1.00	2.52	0.00	138.16	4.15	108.40	0.58	17.94	N/A	N/A	N/A	N/A
452	4.52	2.13	56.85	4.00	8.14E-008	2.38E-004	9.00	28.73	0.00	0.00	0.00	50.49	15.00	136.82	1.77	0.30	7.76	166.23	0.00	1.00	2.53	0.00	136.82	4.18	108.03	0.58	17.93	N/A	N/A	N/A	N/A
453	4.53	2.09	55.56	4.00	7.79E-008	2.24E-004	9.00	28.17	0.00	0.00	0.00	49.80	15.00	134.14	1.73	0.30	7.59	165.25	0.00	1.00	2.54	0.00	134.14	4.24	107.28	0.58	17.89	N/A	N/A	N/A	N/A
454	4.54	2.08	54.52	4.00	7.86E-008	2.24E-004	9.00	28.03	0.00	0.00	0.00	49.41	15.00	133.46	1.72	0.30	7.54	164.69	0.00	1.00	2.57	0.00	133.46	4.23	106.20	0.58	17.87	N/A	N/A	N/A	N/A
455	4.55	2.06	51.87	4.00	8.22E-008	2.32E-004	8.00	27.74	0.00	0.00	0.00	48.35	15.00	132.12	1.70	0.30	7.44	163.20	0.00	1.00	2.67	0.00	132.12	4.17	103.34	0.58	17.81	N/A	N/A	N/A	N/A
456	4.56	2.05	50.35	4.00	8.45E-008	2.38E-004	8.00	27.60	0.00	0.00	0.00	47.76	15.00	131.44	1.69	0.30	7.39	162.37	0.00	1.00	2.74	0.00	131.44	4.13	101.63	0.58	17.77	N/A	N/A	N/A	N/A
457	4.57	2.05	48.71	4.00	8.93E-008	2.51E-004	8.00	27.60	0.00	0.00	0.00	47.18	15.00	131.43	1.68	0.30	7.36	161.56	0.00	1.00	2.83	0.00	131.43	4.06	99.55	0.58	17.73	N/A	N/A	N/A	N/A
458	4.58	2.05	46.03	4.00	9.83E-008	2.77E-004	8.00	27.60	0.00	0.00	0.00	46.19	15.00	131.41	1.68	0.30	7.34	160.15	0.00	1.00	3.00	0.00	131.41	3.93	96.14	0.58	17.67	N/A	N/A	N/A	N/A
459	4.59	2.04	44.71	4.00	1.01E-007	2.82E-004	8.00	27.45	0.00	0.00	0.00	45.65	15.00	130.74	1.67	0.30	7.28	159.36	0.00	1.00	3.07	0.00	130.74	3.90	94.62	0.58	17.63	N/A	N/A	N/A	N/A
460	4.60	2.05	42.57	4.00	1.12E-007	3.14E-004	8.00	27.59	0.00	0.00	0.00	44.89	15.00	131.39	1.67	0.30	7.30	158.29	0.00	1.00	3.24	0.00	131.39	3.77	91.65	0.58	17.58	N/A	N/A	N/A	N/A
461	4.61	2.05	41.68	4.00	1.15E-007	3.25E-004	8.00	27.59	0.00	0.00	0.00	44.57	15.00	131.38	1.67	0.30	7.28	157.82	0.00	1.00	3.31	0.00	131.38	3.73	90.46	0.58	17.55	N/A	N/A	N/A	N/A
462	4.62	2.06	40.01	4.00	1.26E-007	3.56E-004	8.00	27.73	0.00	0.00	0.00	43.97	15.00	132.03	1.67	0.30	7.29	156.97	0.00	1.00	3.46	0.00	132.03	3.62	88.07	0.58	17.51	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
463	4.63	2.07	39.25	4.00	1.32E-007	3.76E-004	8.00	27.86	0.00	0.00	0.00	43.75	15.00	132.68	1.68	0.30	7.31	156.66	0.00	1.00	3.55	0.00	132.68	3.57	86.87	0.58	17.49	N/A	N/A	N/A	N/A
464	4.64	2.07	38.84	4.00	1.34E-007	3.81E-004	8.00	27.86	0.00	0.00	0.00	43.61	15.00	132.67	1.67	0.30	7.29	156.46	0.00	1.00	3.59	0.00	132.67	3.55	86.30	0.58	17.48	N/A	N/A	N/A	N/A
465	4.65	2.07	38.18	4.00	1.37E-007	3.90E-004	8.00	27.86	0.00	0.00	0.00	43.37	15.00	132.66	1.67	0.30	7.28	156.11	0.00	1.00	3.65	0.00	132.66	3.52	85.41	0.58	17.46	N/A	N/A	N/A	N/A
466	4.66	2.07	38.06	4.00	1.37E-007	3.90E-004	8.00	27.86	0.00	0.00	0.00	43.35	15.00	132.65	1.67	0.30	7.26	156.09	0.00	1.00	3.66	0.00	132.65	3.52	85.22	0.58	17.45	N/A	N/A	N/A	N/A
467	4.67	2.07	38.34	4.00	1.35E-007	3.83E-004	8.00	27.85	0.00	0.00	0.00	43.50	15.00	132.63	1.66	0.30	7.25	156.33	0.00	1.00	3.63	0.00	132.63	3.54	85.57	0.58	17.46	N/A	N/A	N/A	N/A
468	4.68	2.07	38.02	4.00	1.36E-007	3.87E-004	8.00	27.85	0.00	0.00	0.00	43.40	15.00	132.62	1.66	0.30	7.23	156.19	0.00	1.00	3.66	0.00	132.62	3.53	85.12	0.58	17.45	N/A	N/A	N/A	N/A
469	4.69	2.06	38.09	4.00	1.32E-007	3.74E-004	8.00	27.71	0.00	0.00	0.00	43.40	15.00	131.94	1.65	0.30	7.19	156.20	0.00	1.00	3.64	0.00	131.94	3.56	85.36	0.58	17.45	N/A	N/A	N/A	N/A
470	4.70	2.04	38.02	4.00	1.27E-007	3.55E-004	8.00	27.43	0.00	0.00	0.00	43.29	15.00	130.60	1.63	0.30	7.10	156.01	0.00	1.00	3.61	0.00	130.60	3.61	85.59	0.58	17.45	N/A	N/A	N/A	N/A
471	4.71	2.03	38.12	4.00	1.23E-007	3.42E-004	8.00	27.28	0.00	0.00	0.00	43.30	15.00	129.92	1.61	0.30	7.06	156.03	0.00	1.00	3.58	0.00	129.92	3.65	85.88	0.58	17.45	N/A	N/A	N/A	N/A
472	4.72	2.02	37.96	4.00	1.21E-007	3.34E-004	8.00	27.14	0.00	0.00	0.00	43.21	15.00	129.24	1.60	0.30	7.01	155.89	0.00	1.00	3.57	0.00	129.24	3.67	85.82	0.58	17.44	N/A	N/A	N/A	N/A
473	4.73	2.01	37.55	4.00	1.20E-007	3.30E-004	8.00	27.00	0.00	0.00	0.00	43.00	15.00	128.56	1.59	0.30	6.96	155.59	0.00	1.00	3.59	0.00	128.56	3.68	85.42	0.58	17.43	N/A	N/A	N/A	N/A
474	4.74	1.99	37.14	4.00	1.16E-007	3.17E-004	8.00	26.72	0.00	0.00	0.00	42.73	15.00	127.22	1.57	0.30	6.88	155.18	0.00	1.00	3.60	0.00	127.22	3.72	85.21	0.58	17.41	N/A	N/A	N/A	N/A
475	4.75	1.98	36.80	4.00	1.15E-007	3.12E-004	8.00	26.57	0.00	0.00	0.00	42.56	15.00	126.54	1.56	0.30	6.83	154.91	0.00	1.00	3.61	0.00	126.54	3.73	84.90	0.58	17.40	N/A	N/A	N/A	N/A
476	4.76	1.96	36.16	4.00	1.13E-007	3.03E-004	8.00	26.29	0.00	0.00	0.00	42.19	15.00	125.20	1.54	0.30	6.74	154.35	0.00	1.00	3.64	0.00	125.20	3.75	84.37	0.58	17.37	N/A	N/A	N/A	N/A
477	4.77	1.96	35.82	4.00	1.14E-007	3.07E-004	8.00	26.29	0.00	0.00	0.00	42.07	15.00	125.19	1.53	0.30	6.73	154.18	0.00	1.00	3.67	0.00	125.19	3.74	83.88	0.58	17.36	N/A	N/A	N/A	N/A
478	4.78	1.95	35.12	4.00	1.15E-007	3.07E-004	8.00	26.15	0.00	0.00	0.00	41.73	15.00	124.52	1.52	0.30	6.68	153.67	0.00	1.00	3.72	0.00	124.52	3.73	83.08	0.58	17.34	N/A	N/A	N/A	N/A
479	4.79	1.96	34.87	4.00	1.19E-007	3.18E-004	8.00	26.29	0.00	0.00	0.00	41.72	15.00	125.17	1.53	0.30	6.70	153.66	0.00	1.00	3.77	0.00	125.17	3.70	82.54	0.58	17.33	N/A	N/A	N/A	N/A
480	4.80	1.97	34.05	4.00	1.26E-007	3.38E-004	8.00	26.42	0.00	0.00	0.00	41.44	15.00	125.83	1.53	0.30	6.72	153.27	0.00	1.00	3.88	0.00	125.83	3.63	81.22	0.58	17.31	N/A	N/A	N/A	N/A
481	4.81	1.98	33.45	4.00	1.32E-007	3.56E-004	8.00	26.56	0.00	0.00	0.00	41.26	15.00	126.48	1.54	0.30	6.74	153.02	0.00	1.00	3.97	0.00	126.48	3.57	80.20	0.58	17.29	N/A	N/A	N/A	N/A
482	4.82	1.98	33.01	4.00	1.34E-007	3.63E-004	8.00	26.56	0.00	0.00	0.00	41.09	15.00	126.47	1.53	0.30	6.72	152.77	0.00	1.00	4.02	0.00	126.47	3.55	79.58	0.56	17.27	N/A	N/A	N/A	N/A
483	4.83	1.99	32.76	4.00	1.38E-007	3.76E-004	8.00	26.70	0.00	0.00	0.00	41.07	15.00	127.13	1.54	0.30	6.74	152.75	0.00	1.00	4.07	0.00	127.13	3.52	79.04	0.54	17.27	N/A	N/A	N/A	N/A
484	4.84	1.99	32.57	4.00	1.39E-007	3.77E-004	8.00	26.69	0.00	0.00	0.00	41.01	15.00	127.12	1.54	0.30	6.73	152.68	0.00	1.00	4.10	0.00	127.12	3.51	78.76	0.53	17.26	N/A	N/A	N/A	N/A
485	4.85	1.99	32.26	4.00	1.40E-007	3.82E-004	8.00	26.69	0.00	0.00	0.00	40.90	15.00	127.11	1.53	0.30	6.72	152.52	0.00	1.00	4.14	0.00	127.11	3.50	78.31	0.51	17.25	N/A	N/A	N/A	N/A
486	4.86	1.99	32.03	4.00	1.41E-007	3.84E-004	8.00	26.69	0.00	0.00	0.00	40.82	15.00	127.09	1.53	0.30	6.70	152.41	0.00	1.00	4.17	0.00	127.09	3.49	77.98	0.49	17.24	N/A	N/A	N/A	N/A
487	4.87	1.99	31.91	4.00	1.41E-007	3.85E-004	8.00	26.69	0.00	0.00	0.00	40.80	15.00	127.08	1.53	0.30	6.69	152.38	0.00	1.00	4.18	0.00	127.08	3.49	77.79	0.49	17.24	N/A	N/A	N/A	N/A
488	4.88	2.02	32.48	4.00	1.46E-007	4.03E-004	8.00	27.11	0.00	0.00	0.00	41.27	15.00	129.07	1.55	0.30	6.78	153.15	0.00	1.00	4.17	0.00	129.07	3.45	78.07	0.50	17.26	N/A	N/A	N/A	N/A
489	4.89	2.03	32.63	4.00	1.47E-007	4.08E-004	8.00	27.24	0.00	0.00	0.00	41.43	15.00	129.73	1.55	0.30	6.80	153.42	0.00	1.00	4.17	0.00	129.73	3.44	78.09	0.50	17.27	N/A	N/A	N/A	N/A
490	4.90	2.05	32.66	4.00	1.52E-007	4.28E-004	8.00	27.52	0.00	0.00	0.00	41.60	15.00	131.05	1.56	0.30	6.86	153.70	0.00	1.00	4.21	0.00	131.05	3.40	77.79	0.49	17.27	N/A	N/A	N/A	N/A
491	4.91	2.05	32.66	4.00	1.52E-007	4.26E-004	8.00	27.52	0.00	0.00	0.00	41.63	15.00	131.04	1.56	0.30	6.85	153.76	0.00	1.00	4.21	0.00	131.04	3.41	77.77	0.48	17.27	N/A	N/A	N/A	N/A
492	4.92	2.05	32.66	4.00	1.51E-007	4.24E-004	8.00	27.52	0.00	0.00	0.00	41.66	15.00	131.03	1.56	0.30	6.83	153.82	0.00	1.00	4.21	0.00	131.03	3.41	77.75	0.48	17.27	N/A	N/A	N/A	N/A
493	4.93	2.14	30.17	5.00	2.06E-007	6.04E-004	8.00	28.77	26.00	32.64	35.55	41.00	0.00	0.00	0.00	0.30	0.00	152.93	-0.05	0.00	0.00	0.00	54.00	3.08	73.02	0.33	17.20	N/A	N/A	N/A	N/A
494	4.94	2.17	30.39	5.00	2.15E-007	6.40E-004	8.00	29.19	26.00	32.62	35.78	41.31	0.00	0.00	0.00	0.30	0.00	153.44	-0.05	0.00	0.00	0.00	54.09	3.04	72.88	0.32	17.21	N/A	N/A	N/A	N/A
495	4.95	2.20	30.84	5.00	2.22E-007	6.69E-004	8.00	29.61	26.00	32.64	36.10	41.73	0.00	0.00	0.00	0.30	0.00	154.11	-0.06	0.00	0.00	0.00	54.23	3.01	73.05	0.33	17.23	N/A	N/A	N/A	N/A
496	4.96	2.26	31.91	5.00	2.34E-007	7.27E-004	8.00	30.45	27.00	32.69	36.76	42.61	0.00	0.00	0.00	0.30	0.00	155.51	-0.06	0.00	0.00	0.00	54.45	2.95	73.62	0.34	17.28	N/A	N/A	N/A	N/A
497	4.97	2.30	32.54	5.00	2.43E-007	7.69E-004	9.00	31.00	27.00	32.72	37.17	43.16	0.00	0.00	0.00	0.30	0.00	156.39	-0.06	0.00	0.00	0.00	54.61	2.92	73.88	0.35	17.31	N/A	N/A	N/A	N/A
498	4.98	2.40	33.61	5.00	2.75E-007	9.09E-004	9.00	32.40	27.00	32.72	37.99	44.24	0.00	0.00	0.00	0.30	0.00	158.09	-0.06	0.00	0.00	0.00	54.73	2.80	73.92	0.35	17.37	N/A	N/A	N/A	N/A
499	4.99	2.45	34.30	5.00	2.89E-007	9.77E-004	9.00	33.10	28.00	32.74	38.45	44.87	0.00	0.00	0.00	0.30	0.00	159.06	-0.06	0.00	0.00	0.00	54.89	2.76	74.13	0.36	17.40	N/A	N/A	N/A	N/A
500	5.00	2.49	35.28	5.00	2.95E-007	1.01E-003	9.00	33.66	28.00	32.80	38.98	45.58	0.00	0.00	0.00	0.30	0.00	160.14	-0.06	0.00	0.00	0.00	55.13	2.74	74.81	0.38	17.44	N/A	N/A	N/A	N/A
501	5.01	2.57	36.83	5.00	3.12E-007	1.11E-003	9.00	34.77	28.00	32.88	39.85	46.76	0.00	0.00	0.00	0.30	0.00	161.92	-0.06	0.00	0.00	0.00	55.41	2.69	75.66	0.41	17.50	N/A	N/A	N/A	N/A
502	5.02	2.60	37.43	5.00	3.18E-007	1.14E-003	9.00	35.19	29.00	32.91	40.19	47.23	0.00	0.00	0.00	0.30	0.00	162.62	-0.06	0.00	0.00	0.00	55.58	2.67	75.99	0.42	17.52	N/A	N/A	N/A	N/A
503	5.03	2.61	38.28	5.00	3.10E-007	1.12E-003	9.00	35.33	29.00	32.99	40.54	47.72	0.00	0.00	0.00	0.30	0.00	163.32	-0.06	0.00	0.00	0.00	55.86	2.69	76.82	0.45	17.55	N/A	N/A	N/A	N/A
504	5.04	2.59	40.20	5.00	2.75E-007	9.81E-004	9.00	35.05	28.00	33.20	41.11	48.53	0.00	0.00	0.00	0.30	0.00	164.46	-0.07	0.00	0.00	0.00	56.43	2.80	79.22	0.55	17.60	N/A	N/A	N/A	N/A
505	5.05	2.57	41.40	5.00	2.51E-007	8.91E-004	9.00	34.76	28.00	33.33	41.43	49.00	0.00	0.00	0.00	0.30	0.00	165.11	-0.07	0.00	0.00	0.00	56.84	2.89	80.82	0.63	17.63	N/A	N/A	N/A	N/A
506	5.06	2.54	42.31	5.00	2.29E-007	8.02E-004	9.00	34.34	28.00	33.45	41.62	49.28	0.00	0.00	0.00	0.30	0.00	165.48	-0.07	0.00	0.00	0.00	57.21	2.97	82.23	0.66	17.65	N/A	N/A	N/A	N/A
507	5.07	2.47	44.33	4.00	1.86E-007	6.34E-004	9.00	33.36	0.00	0.00	0.00	49.81	15.00	158.85	1.83	0.30	8.06	166.17	0.00	1.00	3.76	0.00	158.85	3.18	85.50	0.58	17.70	N/A	N/A	N/A	N/A
508	5.08	2.44	45.40	4.00	1.69E-007	5.67E-004	9.00	32.94	0.00	0.00	0.00	50.13	15.00	156.84	1.80	0.30	7.95	166.60	0.00	1.00	3.63	0.00	156.84	3.29	87.14	0.58	17.72	N/A	N/A	N/A	N/A
509	5.09	2.37	47.11	4.00	1.39E-007	4.52E-004	9.00	31.95	0.00	0.00	0.00	50.48	15.00	152.16	1.75	0.30	7.71	167.03	0.00	1.00	3.39	0.00	152.16	3.51	90.18	0.58	17.75	N/A	N/A	N/A	N/A
510	5.10	2.34	47.70	4.00	1.28E-007	4.11E-004	9.00	31.53	0.00	0.00	0.00	50.59	15.00	150.15	1.72	0.30	7.60	167.16	0.00	1.00	3.31	0.00	150.15	3.61	91.32	0.58	17.76	N/A	N/A	N/A	N/A
511	5.11	2.31	48.27	4.00	1.18E-007	3.74E-004	9.00	31.11	0.00	0.00	0.00	50.68	15.00	148.13	1.69	0.30	7.49	167.27	0.00	1.00	3.22	0.00	148.13	3.70	92.44	0.58	17.77	N/A	N/A	N/A	N/A
512	5.12	2.28	48.49	4.00	1.10E-007	3.44E-004	9.00	30.68	0.00	0.00	0.00	50.62	15.00	146.12	1.67	0.30	7.38	167.18	0.00	1.00	3.16	0.00	146.12	3.79	93.18	0.58	17.77	N/A	N/A	N/A	N/A
513	5.13	2.25	48.43	4.00	1.03E-007	3.19E-004	9.00	30.26	0.00	0.00	0.00	50.45	15.00	144.10	1.64	0.30	7.27	166.92	0.00	1.00	3.12	0.00	144.10	3.86	93.59	0.58	17.76	N/A	N/A	N/A	N/A
514	5.14	2.24	48.40	4.00	1.01E-007	3.11E-004	9.00	30.12	0.00	0.00	0.00	50.41	15.00	143.42	1.63	0.30	7.22	166.87	0.00	1.00	3.11	0.00	143.42	3.89	93.70	0.58	17.76	N/A	N/A	N/A	N/A
515	5.15	2.24	48.11	4.00	1.02E-007	3.12E-004	9.00	30.12	0.00	0.00	0.00	50.33	15.00	143.41	1.63	0.30	7.21	166.77	0.00	1.00	3.13	0.00	143.41	3.89	93.33	0.58	17.75	N/A	N/A	N/A	N/A
516	5.16	2.24	47.80	4.00	1.02E-007	3.15E-004	9.00	30.11	0.00	0.00	0.00	50.24	15.00	143.39	1.62	0.30	7.19	166.66	0.00	1.00	3.15	0.00	143.39	3.88	92.94	0.58	17.75	N/A	N/A	N/A	N/A
517	5.17	2.24	47.86	4.00	1.02E-007	3.12E-004	9.00	30.11	0.00	0.00	0.00	50.30	15.00	143.38	1.62	0.30	7.18	166.76	0.00	1.00	3.15	0.00	143.38	3.89	92.98	0.58	17.75	N/A	N/A	N/A	N/A
518	5.18	2.24	48.15	4.00	1.00E-007	3.08E-004	9.00	30.11	0.00	0.00	0.00	50.46	15.00	143.36	1.62	0.30	7.17	166.98	0.00	1.00	3.13	0.00	143.36	3.91	93.29	0.58	17.75	N/A	N/A	N/A	N/A
519	5.19	2.23	48.46	4.00	9.67E-008	2.95E-004	9.00	29.97	0.00	0.00	0.00	50.56	15.00	142.70	1.61	0.30	7.12	167.12	0.00	1.00	3.09	0.00	142.70	3.95	93.79	0.58	17.76	N/A	N/A	N/A	N/A
520	5.20	2.23	49.22	4.00	9.36E-008	2.86E-004	9.00	29.96	0.00	0.00	0.00	50.91	15.00	142.68	1.60	0.30	7.11	167.61	0.00	1.00	3.04	0.00	142.68	3.99	94.64	0.58	17.78	N/A	N/A	N/A	N/A
521	5.21	2.21	50.42	4.00	8.58E-008	2.60E-004	9.00	29.68	0.00	0.00	0.00	51.30	15.00	141.34	1.58	0.30	7.04	168.14	0.00	1.00	2.94	0.00	141.34	4.11	96.33	0.58	17.80	N/A	N/A	N/A	N/A
522	5.22	2.14	52.59	4.00	6.87E-008	2.01E-004	9.00	28.70	0.00	0.00	0.00	51.74	15.00	136.66	1.53	0.30	6.80	168.69	0.00	1.00	2.73	0.00	136.66	4.41	100.04	0.58	17.84	N/A	N/A	N/A	N/A
523	5.23	2.10	53.41	4.00	6.12E-008	1.76E-004	9.00	28.14	0.00	0.00	0.00	51.83	15.00	133.98	1.50	0.30	6.66	168.78	0.00	1.00	2.63	0.00	133.98	4.58	101.68	0.58	17.85	N/A	N/A	N/A	N/A
524	5.24	2.02	54.67	4.00	4.92E-008	1.36E-004	9.00	27.01	0.00	0.00	0.00	51.80	15.00	128.63	1.43	0.30	6.39	168.68	0.00	1.00	2.47	0.00	128.63	4.91	104.58	0.58	17.86	N/A	N/A	N/A	N/A
525	5.25	1.99	54.61	4.00	4.60E-008	1.25E-004	9.00	26.59	0.00	0.00	0.00	51.61	15.00	126.63	1.41	0.30	6.28	168.40	0.00	1.00	2.43	0.00	126.63	5.01	105.04	0.58	17.85	N/A	N/A	N/A	N/A
526	5.26	1.91	54.33	4.00	3.85E-008	1.00E-004	8.00	25.47	0.00	0.00	0.00	50.97	15.00	121.29	1.35	0.30	6.01	167.45	0.00	1.00	2.34	0.00	121.29	5.30	106.22	0.58	17.83	N/A	N/A	N/A	N/A
527	5.27	1.88	53.63	4.00	3.66E-008	9.35E-005	8.00	25.05	0.00	0.00	0.00	50.53	15.00	119.27	1.32	0.30	5.91	166.82	0.00	1.00	2.34	0.00	119.27	5.38	105.96	0.58	17.81	N/A	N/A	N/A	N/A
528	5.28	1.84	52.97	4.00	3.39E-008	8.47E-005	8.00	24.49	0.00	0.00	0.00	50.02	15.00	116.60	1.29	0.30	5.77	166.09	0.00	1.00	2.31	0.00	116.60	5.51	105.93	0.58	17.79	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
529	5.29	1.77	52.40	4.00	2.90E-008	6.95E-005	8.00	23.50	0.00	0.00	0.00	49.32	15.00	111.92	1.23	0.30	5.53	165.05	0.00	1.00	2.24	0.00	111.92	5.78	106.58	0.58	17.76	N/A	N/A	N/A	N/A
530	5.30	1.74	52.24	4.00	2.69E-008	6.33E-005	8.00	23.08	0.00	0.00	0.00	49.07	15.00	109.91	1.21	0.30	5.42	164.67	0.00	1.00	2.21	0.00	109.91	5.92	106.93	0.58	17.75	N/A	N/A	N/A	N/A
531	5.31	1.71	51.68	4.00	2.53E-008	5.84E-005	8.00	22.66	0.00	0.00	0.00	48.66	15.00	107.90	1.19	0.30	5.31	164.08	0.00	1.00	2.19	0.00	107.90	6.03	106.81	0.58	17.73	N/A	N/A	N/A	N/A
532	5.32	1.66	50.20	4.00	2.33E-008	5.20E-005	8.00	21.96	0.00	0.00	0.00	47.75	15.00	104.55	1.15	0.30	5.14	162.74	0.00	1.00	2.19	0.00	104.55	6.18	105.99	0.58	17.69	N/A	N/A	N/A	N/A
533	5.33	1.63	49.31	3.00	2.20E-008	4.84E-005	8.00	21.53	0.00	0.00	0.00	47.21	15.00	102.54	1.12	0.30	5.04	161.95	0.00	1.00	2.18	0.00	102.54	6.28	105.47	0.58	17.66	N/A	N/A	N/A	N/A
534	5.34	1.62	48.68	3.00	2.18E-008	4.76E-005	7.00	21.39	0.00	0.00	0.00	46.93	15.00	101.86	1.11	0.30	4.99	161.54	0.00	1.00	2.20	0.00	101.86	6.30	104.86	0.58	17.64	N/A	N/A	N/A	N/A
535	5.35	1.61	46.60	4.00	2.29E-008	4.96E-005	7.00	21.25	0.00	0.00	0.00	46.09	15.00	101.18	1.10	0.30	4.95	160.32	0.00	1.00	2.28	0.00	101.18	6.21	102.49	0.58	17.59	N/A	N/A	N/A	N/A
536	5.36	1.61	45.31	4.00	2.40E-008	5.19E-005	7.00	21.25	0.00	0.00	0.00	45.62	15.00	101.17	1.10	0.30	4.94	159.65	0.00	1.00	2.34	0.00	101.17	6.13	100.86	0.58	17.56	N/A	N/A	N/A	N/A
537	5.37	1.65	42.53	4.00	2.98E-008	6.62E-005	7.00	21.80	0.00	0.00	0.00	44.84	15.00	103.82	1.13	0.30	5.05	158.57	0.00	1.00	2.56	0.00	103.82	5.74	96.60	0.58	17.49	N/A	N/A	N/A	N/A
538	5.38	1.68	41.49	4.00	3.36E-008	7.60E-005	7.00	22.22	0.00	0.00	0.00	44.67	15.00	105.81	1.15	0.30	5.14	158.37	0.00	1.00	2.68	0.00	105.81	5.53	94.69	0.58	17.47	N/A	N/A	N/A	N/A
539	5.39	1.72	40.80	4.00	3.82E-008	8.87E-005	8.00	22.78	0.00	0.00	0.00	44.70	15.00	108.46	1.17	0.30	5.25	158.48	0.00	1.00	2.79	0.00	108.46	5.31	93.03	0.58	17.46	N/A	N/A	N/A	N/A
540	5.40	1.79	39.76	4.00	4.75E-008	1.15E-004	8.00	23.75	0.00	0.00	0.00	44.79	15.00	113.12	1.22	0.30	5.46	158.69	0.00	1.00	2.99	0.00	113.12	4.96	90.39	0.58	17.45	N/A	N/A	N/A	N/A
541	5.41	1.81	39.66	4.00	4.99E-008	1.22E-004	8.00	24.03	0.00	0.00	0.00	44.92	15.00	114.44	1.23	0.30	5.52	158.91	0.00	1.00	3.03	0.00	114.44	4.89	89.87	0.58	17.45	N/A	N/A	N/A	N/A
542	5.42	1.84	39.70	4.00	5.33E-008	1.33E-004	8.00	24.45	0.00	0.00	0.00	45.17	15.00	116.44	1.25	0.30	5.60	159.33	0.00	1.00	3.08	0.00	116.44	4.79	89.35	0.58	17.46	N/A	N/A	N/A	N/A
543	5.43	1.84	39.95	4.00	5.25E-008	1.31E-004	8.00	24.45	0.00	0.00	0.00	45.31	15.00	116.42	1.25	0.30	5.59	159.55	0.00	1.00	3.06	0.00	116.42	4.81	89.64	0.58	17.46	N/A	N/A	N/A	N/A
544	5.44	1.81	40.77	4.00	4.69E-008	1.15E-004	8.00	24.03	0.00	0.00	0.00	45.50	15.00	114.41	1.23	0.30	5.49	159.79	0.00	1.00	2.95	0.00	114.41	4.98	91.18	0.58	17.48	N/A	N/A	N/A	N/A
545	5.45	1.76	40.99	4.00	4.08E-008	9.70E-005	8.00	23.32	0.00	0.00	0.00	45.27	15.00	111.06	1.19	0.30	5.32	159.42	0.00	1.00	2.85	0.00	111.06	5.21	92.33	0.58	17.48	N/A	N/A	N/A	N/A
546	5.46	1.71	40.93	4.00	3.58E-008	8.26E-005	8.00	22.62	0.00	0.00	0.00	44.92	15.00	107.72	1.15	0.30	5.15	158.86	0.00	1.00	2.76	0.00	107.72	5.42	93.13	0.58	17.46	N/A	N/A	N/A	N/A
547	5.47	1.61	41.02	4.00	2.72E-008	5.87E-005	7.00	21.22	0.00	0.00	0.00	44.25	15.00	101.05	1.08	0.30	4.83	157.76	0.00	1.00	2.59	0.00	101.05	5.90	95.04	0.58	17.44	N/A	N/A	N/A	N/A
548	5.48	1.58	41.43	4.00	2.44E-008	5.18E-005	7.00	20.80	0.00	0.00	0.00	44.23	15.00	99.04	1.05	0.30	4.73	157.70	0.00	1.00	2.51	0.00	99.04	6.09	96.07	0.58	17.45	N/A	N/A	N/A	N/A
549	5.49	1.55	42.31	4.00	2.15E-008	4.46E-005	7.00	20.37	0.00	0.00	0.00	44.39	15.00	97.02	1.03	0.30	4.63	157.91	0.00	1.00	2.41	0.00	97.02	6.33	97.69	0.58	17.46	N/A	N/A	N/A	N/A
550	5.50	1.55	43.23	4.00	2.06E-008	4.27E-005	7.00	20.37	0.00	0.00	0.00	44.80	15.00	97.01	1.03	0.30	4.62	158.52	0.00	1.00	2.36	0.00	97.01	6.42	98.79	0.58	17.49	N/A	N/A	N/A	N/A
551	5.51	1.55	44.11	3.00	1.97E-008	4.10E-005	7.00	20.37	0.00	0.00	0.00	45.19	15.00	97.00	1.03	0.30	4.61	159.10	0.00	1.00	2.31	0.00	97.00	6.49	99.83	0.58	17.51	N/A	N/A	N/A	N/A
552	5.52	1.54	46.07	3.00	1.76E-008	3.64E-005	7.00	20.23	0.00	0.00	0.00	45.92	15.00	96.33	1.02	0.30	4.57	160.17	0.00	1.00	2.20	0.00	96.33	6.71	102.34	0.58	17.56	N/A	N/A	N/A	N/A
553	5.53	1.55	48.05	3.00	1.67E-008	3.48E-005	7.00	20.37	0.00	0.00	0.00	46.81	15.00	96.99	1.02	0.30	4.60	161.48	0.00	1.00	2.12	0.00	96.99	6.82	104.46	0.58	17.61	N/A	N/A	N/A	N/A
554	5.54	1.55	50.07	3.00	1.54E-008	3.21E-005	7.00	20.37	0.00	0.00	0.00	47.61	15.00	96.98	1.02	0.30	4.59	162.64	0.00	1.00	2.03	0.00	96.98	6.98	106.76	0.58	17.66	N/A	N/A	N/A	N/A
555	5.55	1.57	53.03	3.00	1.46E-008	3.08E-005	8.00	20.64	0.00	0.00	0.00	48.92	15.00	98.29	1.03	0.30	4.64	164.54	0.00	1.00	1.95	0.00	98.29	7.09	109.73	0.58	17.73	N/A	N/A	N/A	N/A
556	5.56	1.55	53.38	3.00	1.36E-008	2.82E-005	7.00	20.36	0.00	0.00	0.00	48.92	15.00	96.95	1.02	0.30	4.57	164.52	0.00	1.00	1.91	0.00	96.95	7.25	110.42	0.58	17.73	N/A	N/A	N/A	N/A
557	5.57	1.55	53.16	3.00	1.36E-008	2.83E-005	7.00	20.36	0.00	0.00	0.00	48.88	15.00	96.94	1.01	0.30	4.56	164.47	0.00	1.00	1.91	0.00	96.94	7.24	110.12	0.58	17.73	N/A	N/A	N/A	N/A
558	5.58	1.55	52.62	3.00	1.38E-008	2.87E-005	7.00	20.35	0.00	0.00	0.00	48.72	15.00	96.93	1.01	0.30	4.55	164.25	0.00	1.00	1.93	0.00	96.93	7.21	109.45	0.58	17.71	N/A	N/A	N/A	N/A
559	5.59	1.56	51.99	3.00	1.45E-008	3.02E-005	8.00	20.49	0.00	0.00	0.00	48.60	15.00	97.58	1.02	0.30	4.58	164.11	0.00	1.00	1.97	0.00	97.58	7.11	108.50	0.58	17.70	N/A	N/A	N/A	N/A
560	5.60	1.62	51.05	3.00	1.77E-008	3.84E-005	8.00	21.33	0.00	0.00	0.00	48.78	15.00	101.57	1.06	0.30	4.75	164.45	0.00	1.00	2.09	0.00	101.57	6.71	106.30	0.58	17.70	N/A	N/A	N/A	N/A
561	5.61	1.65	50.98	3.00	1.91E-008	4.24E-005	8.00	21.75	0.00	0.00	0.00	49.04	15.00	103.56	1.08	0.30	4.84	164.85	0.00	1.00	2.13	0.00	103.56	6.55	105.62	0.58	17.70	N/A	N/A	N/A	N/A
562	5.62	1.74	52.09	4.00	2.32E-008	5.45E-005	8.00	23.01	0.00	0.00	0.00	50.21	15.00	109.55	1.14	0.30	5.10	166.60	0.00	1.00	2.21	0.00	109.55	6.18	105.20	0.58	17.75	N/A	N/A	N/A	N/A
563	5.63	1.81	53.60	4.00	2.62E-008	6.40E-005	8.00	23.98	0.00	0.00	0.00	51.36	15.00	114.20	1.18	0.30	5.31	168.27	0.00	1.00	2.24	0.00	114.20	5.97	105.57	0.58	17.80	N/A	N/A	N/A	N/A
564	5.64	1.94	55.52	4.00	3.33E-008	8.76E-005	9.00	25.80	0.00	0.00	0.00	53.11	15.00	122.86	1.27	0.30	5.70	170.78	0.00	1.00	2.32	0.00	122.86	5.54	105.28	0.58	17.86	N/A	N/A	N/A	N/A
565	5.65	2.00	55.37	4.00	3.82E-008	1.04E-004	9.00	26.64	0.00	0.00	0.00	53.52	15.00	126.85	1.31	0.30	5.87	171.40	0.00	1.00	2.41	0.00	126.85	5.31	104.00	0.58	17.87	N/A	N/A	N/A	N/A
566	5.66	2.05	54.14	4.00	4.42E-008	1.23E-004	9.00	27.34	0.00	0.00	0.00	53.43	15.00	130.17	1.34	0.30	6.01	171.34	0.00	1.00	2.52	0.00	130.17	5.08	101.73	0.58	17.85	N/A	N/A	N/A	N/A
567	5.67	2.15	50.07	4.00	6.27E-008	1.84E-004	9.00	28.73	0.00	0.00	0.00	52.51	15.00	136.83	1.41	0.30	6.30	170.19	0.00	1.00	2.87	0.00	136.83	4.54	95.48	0.58	17.78	N/A	N/A	N/A	N/A
568	5.68	2.19	48.30	4.00	7.23E-008	2.16E-004	9.00	29.29	0.00	0.00	0.00	52.07	15.00	139.48	1.43	0.30	6.41	169.64	0.00	1.00	3.03	0.00	139.48	4.34	92.80	0.58	17.75	N/A	N/A	N/A	N/A
569	5.69	2.22	45.91	4.00	8.37E-008	2.54E-004	9.00	29.71	0.00	0.00	0.00	51.27	15.00	141.47	1.45	0.30	6.49	168.59	0.00	1.00	3.24	0.00	141.47	4.14	89.59	0.58	17.70	N/A	N/A	N/A	N/A
570	5.70	2.23	44.96	4.00	8.83E-008	2.69E-004	9.00	29.85	0.00	0.00	0.00	50.95	15.00	142.13	1.45	0.30	6.51	168.18	0.00	1.00	3.32	0.00	142.13	4.07	88.33	0.58	17.67	N/A	N/A	N/A	N/A
571	5.71	2.21	44.17	4.00	8.72E-008	2.63E-004	9.00	29.56	0.00	0.00	0.00	50.52	15.00	140.78	1.44	0.30	6.44	167.57	0.00	1.00	3.35	0.00	140.78	4.09	87.72	0.58	17.65	N/A	N/A	N/A	N/A
572	5.72	2.11	42.50	4.00	7.57E-008	2.17E-004	9.00	28.16	0.00	0.00	0.00	49.20	15.00	134.10	1.36	0.30	6.12	165.65	0.00	1.00	3.31	0.00	134.10	4.28	87.35	0.58	17.59	N/A	N/A	N/A	N/A
573	5.73	2.03	42.16	4.00	6.44E-008	1.77E-004	9.00	27.04	0.00	0.00	0.00	48.57	15.00	128.76	1.31	0.30	5.87	164.71	0.00	1.00	3.21	0.00	128.76	4.51	88.22	0.58	17.56	N/A	N/A	N/A	N/A
574	5.74	1.51	42.44	3.00	1.68E-008	3.38E-005	7.00	19.76	0.00	0.00	0.00	44.98	15.00	94.08	0.95	0.30	4.29	158.98	0.00	1.00	2.33	0.00	94.08	6.81	97.44	0.58	17.46	N/A	N/A	N/A	N/A
575	5.75	1.84	41.71	4.00	4.20E-008	1.04E-004	8.00	24.37	0.00	0.00	0.00	47.17	15.00	116.07	1.17	0.30	5.28	162.55	0.00	1.00	2.92	0.00	116.07	5.16	90.81	0.58	17.51	N/A	N/A	N/A	N/A
576	5.76	1.70	41.59	4.00	2.95E-008	6.73E-005	8.00	22.41	0.00	0.00	0.00	46.15	15.00	106.72	1.08	0.30	4.85	160.94	0.00	1.00	2.69	0.00	106.72	5.76	93.03	0.58	17.48	N/A	N/A	N/A	N/A
577	5.77	1.67	41.75	4.00	2.69E-008	6.02E-005	8.00	21.99	0.00	0.00	0.00	46.03	15.00	104.71	1.06	0.30	4.75	160.75	0.00	1.00	2.63	0.00	104.71	5.92	93.71	0.58	17.48	N/A	N/A	N/A	N/A
578	5.78	1.63	42.00	4.00	2.37E-008	5.18E-005	7.00	21.43	0.00	0.00	0.00	45.87	15.00	102.03	1.03	0.30	4.62	160.47	0.00	1.00	2.55	0.00	102.03	6.15	94.67	0.58	17.47	N/A	N/A	N/A	N/A
579	5.79	1.60	42.03	4.00	2.17E-008	4.64E-005	7.00	21.00	0.00	0.00	0.00	45.69	15.00	100.02	1.01	0.30	4.52	160.18	0.00	1.00	2.50	0.00	100.02	6.31	95.18	0.58	17.47	N/A	N/A	N/A	N/A
580	5.80	1.59	42.31	4.00	2.07E-008	4.41E-005	7.00	20.86	0.00	0.00	0.00	45.76	15.00	99.34	1.00	0.30	4.48	160.29	0.00	1.00	2.47	0.00	99.34	6.40	95.65	0.58	17.47	N/A	N/A	N/A	N/A
581	5.81	1.56	45.66	3.00	1.65E-008	3.44E-005	7.00	20.44	0.00	0.00	0.00	46.94	15.00	97.33	0.97	0.30	4.39	161.96	0.00	1.00	2.24	0.00	97.33	6.84	100.09	0.58	17.55	N/A	N/A	N/A	N/A
582	5.82	1.59	49.16	3.00	1.57E-008	3.33E-005	8.00	20.86	0.00	0.00	0.00	48.62	15.00	99.35	0.99	0.30	4.47	164.40	0.00	1.00	2.12	0.00	99.35	6.95	103.55	0.58	17.65	N/A	N/A	N/A	N/A
583	5.83	1.74	55.18	3.00	1.90E-008	4.44E-005	8.00	22.96	0.00	0.00	0.00	52.19	15.00	109.34	1.09	0.30	4.91	169.52	0.00	1.00	2.08	0.00	109.34	6.57	107.55	0.58	17.81	N/A	N/A	N/A	N/A
584	5.84	1.79	56.85	3.00	2.03E-008	4.90E-005	8.00	23.66	0.00	0.00	0.00	53.25	15.00	112.66	1.12	0.30	5.05	171.03	0.00	1.00	2.08	0.00	112.66	6.44	108.41	0.58	17.86	N/A	N/A	N/A	N/A
585	5.85	1.85	58.77	3.00	2.20E-008	5.50E-005	9.00	24.50	0.00	0.00	0.00	54.48	15.00	116.65	1.16	0.30	5.22	172.74	0.00	1.00	2.08	0.00	116.65	6.28	109.34	0.58	17.91	N/A	N/A	N/A	N/A
586	5.86	1.89	60.54	3.00	2.28E-008	5.83E-005	9.00	25.05	0.00	0.00	0.00	55.49	15.00	119.31	1.18	0.30	5.33	174.13	0.00	1.00	2.07	0.00	119.31	6.22	110.43	0.58	17.95	N/A	N/A	N/A	N/A
587	5.87	1.92	60.00	4.00	2.48E-008	6.45E-005	9.00	25.47	0.00	0.00	0.00	55.55	15.00	121.30	1.20	0.30	5.41	174.26	0.00	1.00	2.12	0.00	121.30	6.06	109.31	0.58	17.95	N/A	N/A	N/A	N/A
588	5.88	1.98	57.26	4.00	3.10E-008	8.31E-005	9.00	26.31	0.00	0.00	0.00	55.00	15.00	125.28	1.24	0.30	5.58	173.59	0.00	1.00	2.30	0.00	125.28	5.67	105.37	0.58	17.91	N/A	N/A	N/A	N/A
589	5.89	1.99	55.56	4.00	3.34E-008	8.99E-005	9.00	26.45	0.00	0.00	0.00	54.45	15.00	125.94	1.24	0.30	5.60	172.88	0.00	1.00	2.38	0.00	125.94	5.54	103.36	0.58	17.87	N/A	N/A	N/A	N/A
590	5.90	2.01	53.85	4.00	3.68E-008	1.00E-004	9.00	26.72	0.00	0.00	0.00	53.96	15.00	127.26	1.25	0.30	5.65	172.25	0.00	1.00	2.48	0.00	127.26	5.38	101.16	0.58	17.84	N/A	N/A	N/A	N/A
591	5.91	2.01	53.85	4.00	3.66E-008	9.98E-005	9.00	26.72	0.00	0.00	0.00	54.00	15.00	127.25	1.25	0.30	5.64	172.31	0.00	1.00	2.48	0.00	127.25	5.38	101.12	0.58	17.84	N/A	N/A	N/A	N/A
592	5.92	2.01	53.85	4.00	3.65E-008	9.93E-005	9.00	26.72	0.00	0.00	0.00	54.04	15.00	127.24	1.25	0.30	5.63	172.37	0.00	1.00	2.48	0.00	127.24	5.39	101.08	0.58	17.84	N/A	N/A	N/A	N/A
593	5.93	2.08	43.23	4.00	6.29E-008	1.78E-004	9.00	27.70	0.00	0.00	0.00	50.07	15.00	131.89	1.29	0.30	5.82	167.05	0.00	1.00	3.20	0.00	131.89	4.54	88.11	0.58	17.60	N/A	N/A	N/A	N/A
594	5.94	2.14	41.52	4.00	7.64E-008	2.22E-004	9.00	28.54	0.00	0.00	0.00	49.71	15.00	135.88	1.33	0.30	5.99	166.61	0.00	1.00	3.44	0.00	135.88	4.27	85.17	0.58	17.57	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
595	5.95	2.19	40.39	4.00	8.85E-008	2.64E-004	9.00	29.23	0.00	0.00	0.00	49.52	15.00	139.21	1.36	0.30	6.13	166.41	0.00	1.00	3.62	0.00	139.21	4.07	83.08	0.58	17.54	N/A	N/A	N/A	N/A
596	5.96	2.31	37.30	4.00	1.28E-007	4.03E-004	9.00	30.91	0.00	0.00	0.00	48.78	15.00	147.20	1.44	0.30	6.47	165.49	0.00	1.00	4.14	0.00	147.20	3.60	77.74	0.48	17.47	N/A	N/A	N/A	N/A
597	5.97	2.37	36.32	4.00	1.49E-007	4.84E-004	9.00	31.75	0.00	0.00	0.00	48.66	15.00	151.18	1.47	0.30	6.64	165.39	0.00	1.00	4.37	0.00	151.18	3.43	75.78	0.41	17.45	N/A	N/A	N/A	N/A
598	5.98	2.41	35.72	4.00	1.65E-007	5.43E-004	9.00	32.31	0.00	0.00	0.00	48.61	15.00	153.84	1.50	0.30	6.74	165.36	0.00	1.00	4.52	0.00	153.84	3.32	74.55	0.37	17.44	N/A	N/A	N/A	N/A
599	5.99	2.41	34.34	4.00	1.75E-007	5.78E-004	9.00	32.30	0.00	0.00	0.00	47.94	15.00	153.83	1.49	0.30	6.73	164.43	0.00	1.00	4.70	0.00	153.83	3.25	72.93	0.32	17.39	N/A	N/A	N/A	N/A
600	6.00	2.36	34.08	4.00	1.61E-007	5.20E-004	9.00	31.60	0.00	0.00	0.00	47.56	15.00	150.48	1.46	0.30	6.58	163.87	0.00	1.00	4.64	0.00	150.48	3.34	73.23	0.33	17.38	N/A	N/A	N/A	N/A
601	6.01	2.13	35.22	4.00	9.65E-008	2.79E-004	9.00	28.38	0.00	0.00	0.00	46.87	15.00	135.14	1.31	0.30	5.89	162.68	0.00	1.00	4.03	0.00	135.14	3.95	77.69	0.48	17.37	N/A	N/A	N/A	N/A
602	6.02	2.01	36.48	4.00	6.99E-008	1.90E-004	8.00	26.70	0.00	0.00	0.00	46.79	15.00	127.13	1.23	0.30	5.53	162.45	0.00	1.00	3.66	0.00	127.13	4.39	80.98	0.58	17.39	N/A	N/A	N/A	N/A
603	6.03	1.84	40.86	4.00	3.84E-008	9.52E-005	8.00	24.31	0.00	0.00	0.00	47.75	15.00	115.78	1.12	0.30	5.03	163.65	0.00	1.00	2.98	0.00	115.78	5.30	88.91	0.58	17.49	N/A	N/A	N/A	N/A
604	6.04	1.82	42.91	4.00	3.34E-008	8.18E-005	8.00	24.03	0.00	0.00	0.00	48.55	15.00	114.43	1.10	0.30	4.96	164.78	0.00	1.00	2.80	0.00	114.43	5.54	91.61	0.58	17.54	N/A	N/A	N/A	N/A
605	6.05	1.82	45.31	4.00	3.02E-008	7.39E-005	8.00	24.03	0.00	0.00	0.00	49.63	15.00	114.42	1.10	0.30	4.95	166.30	0.00	1.00	2.65	0.00	114.42	5.71	94.34	0.58	17.60	N/A	N/A	N/A	N/A
606	6.06	1.81	50.67	4.00	2.39E-008	5.82E-005	8.00	23.89	0.00	0.00	0.00	51.82	15.00	113.75	1.09	0.30	4.91	169.32	0.00	1.00	2.36	0.00	113.75	6.13	100.43	0.58	17.73	N/A	N/A	N/A	N/A
607	6.07	1.77	54.39	3.00	1.89E-008	4.49E-005	8.00	23.32	0.00	0.00	0.00	53.03	15.00	111.07	1.06	0.30	4.79	170.94	0.00	1.00	2.14	0.00	111.07	6.58	105.02	0.58	17.80	N/A	N/A	N/A	N/A
608	6.08	1.74	56.79	3.00	1.60E-008	3.75E-005	8.00	22.91	0.00	0.00	0.00	53.76	15.00	109.07	1.04	0.30	4.69	171.89	0.00	1.00	2.02	0.00	109.07	6.90	107.96	0.58	17.85	N/A	N/A	N/A	N/A
609	6.09	1.79	59.81	3.00	1.65E-008	3.98E-005	9.00	23.61	0.00	0.00	0.00	55.34	15.00	112.44	1.07	0.30	4.83	174.07	0.00	1.00	1.97	0.00	112.44	6.84	110.17	0.58	17.92	N/A	N/A	N/A	N/A
610	6.10	1.85	62.52	3.00	1.76E-008	4.38E-005	9.00	24.45	0.00	0.00	0.00	56.87	15.00	116.43	1.11	0.30	4.99	176.14	0.00	1.00	1.96	0.00	116.43	6.72	111.85	0.58	17.98	N/A	N/A	N/A	N/A
611	6.11	1.92	63.44	3.00	2.01E-008	5.22E-005	9.00	25.43	0.00	0.00	0.00	57.80	15.00	121.08	1.15	0.30	5.19	177.43	0.00	1.00	2.00	0.00	121.08	6.45	111.56	0.58	18.01	N/A	N/A	N/A	N/A
612	6.12	1.92	64.89	3.00	1.92E-008	4.98E-005	9.00	25.42	0.00	0.00	0.00	58.38	15.00	121.07	1.15	0.30	5.18	178.18	0.00	1.00	1.96	0.00	121.07	6.55	112.92	0.58	18.04	N/A	N/A	N/A	N/A
613	6.13	1.92	64.29	3.00	1.95E-008	5.04E-005	9.00	25.42	0.00	0.00	0.00	58.20	15.00	121.06	1.15	0.30	5.17	177.96	0.00	1.00	1.98	0.00	121.06	6.52	112.28	0.58	18.03	N/A	N/A	N/A	N/A
614	6.14	1.92	62.59	3.00	2.04E-008	5.28E-005	9.00	25.42	0.00	0.00	0.00	57.61	15.00	121.05	1.15	0.30	5.16	177.21	0.00	1.00	2.03	0.00	121.05	6.43	110.56	0.58	18.00	N/A	N/A	N/A	N/A
615	6.15	1.93	61.39	3.00	2.16E-008	5.62E-005	9.00	25.56	0.00	0.00	0.00	57.27	15.00	121.70	1.15	0.30	5.18	176.79	0.00	1.00	2.08	0.00	121.70	6.33	109.16	0.58	17.98	N/A	N/A	N/A	N/A
616	6.16	1.95	58.49	4.00	2.46E-008	6.48E-005	9.00	25.83	0.00	0.00	0.00	56.36	15.00	123.02	1.16	0.30	5.23	175.62	0.00	1.00	2.21	0.00	123.02	6.08	105.88	0.58	17.92	N/A	N/A	N/A	N/A
617	6.17	1.97	57.23	4.00	2.67E-008	7.12E-005	9.00	26.11	0.00	0.00	0.00	56.05	15.00	124.34	1.17	0.30	5.28	175.25	0.00	1.00	2.28	0.00	124.34	5.93	104.24	0.58	17.90	N/A	N/A	N/A	N/A
618	6.18	1.98	56.06	4.00	2.83E-008	7.57E-005	9.00	26.25	0.00	0.00	0.00	55.70	15.00	125.00	1.17	0.30	5.30	174.81	0.00	1.00	2.34	0.00	125.00	5.83	102.83	0.58	17.88	N/A	N/A	N/A	N/A
619	6.19	2.01	54.86	4.00	3.14E-008	8.54E-005	9.00	26.67	0.00	0.00	0.00	55.48	15.00	126.99	1.19	0.30	5.37	174.55	0.00	1.00	2.43	0.00	126.99	5.64	101.07	0.58	17.86	N/A	N/A	N/A	N/A
620	6.20	2.02	54.26	4.00	3.26E-008	8.92E-005	9.00	26.80	0.00	0.00	0.00	55.34	15.00	127.64	1.20	0.30	5.39	174.39	0.00	1.00	2.47	0.00	127.64	5.58	100.25	0.58	17.85	N/A	N/A	N/A	N/A
621	6.21	2.06	52.28	4.00	3.80E-008	1.06E-004	9.00	27.36	0.00	0.00	0.00	54.85	15.00	130.30	1.22	0.30	5.50	173.78	0.00	1.00	2.62	0.00	130.30	5.32	97.51	0.58	17.82	N/A	N/A	N/A	N/A
622	6.22	2.08	50.10	4.00	4.27E-008	1.20E-004	9.00	27.64	0.00	0.00	0.00	54.10	15.00	131.62	1.23	0.30	5.55	172.82	0.00	1.00	2.76	0.00	131.62	5.13	94.85	0.58	17.77	N/A	N/A	N/A	N/A
623	6.23	2.09	48.34	4.00	4.64E-008	1.31E-004	9.00	27.78	0.00	0.00	0.00	53.45	15.00	132.27	1.23	0.30	5.57	171.96	0.00	1.00	2.87	0.00	132.27	5.00	92.78	0.58	17.73	N/A	N/A	N/A	N/A
624	6.24	2.13	47.20	4.00	5.25E-008	1.52E-004	9.00	28.33	0.00	0.00	0.00	53.25	15.00	134.93	1.26	0.30	5.67	171.74	0.00	1.00	3.00	0.00	134.93	4.81	90.90	0.58	17.71	N/A	N/A	N/A	N/A
625	6.25	2.15	46.98	4.00	5.50E-008	1.60E-004	9.00	28.61	0.00	0.00	0.00	53.32	15.00	136.25	1.27	0.30	5.72	171.86	0.00	1.00	3.05	0.00	136.25	4.74	90.33	0.58	17.71	N/A	N/A	N/A	N/A
626	6.26	2.16	46.19	4.00	5.77E-008	1.69E-004	9.00	28.75	0.00	0.00	0.00	53.07	15.00	136.90	1.27	0.30	5.74	171.54	0.00	1.00	3.11	0.00	136.90	4.67	89.29	0.58	17.69	N/A	N/A	N/A	N/A
627	6.27	2.17	45.18	4.00	6.10E-008	1.80E-004	9.00	28.89	0.00	0.00	0.00	52.71	15.00	137.56	1.27	0.30	5.76	171.08	0.00	1.00	3.20	0.00	137.56	4.58	88.01	0.58	17.67	N/A	N/A	N/A	N/A
628	6.28	2.17	45.37	4.00	6.03E-008	1.78E-004	9.00	28.89	0.00	0.00	0.00	52.84	15.00	137.55	1.27	0.30	5.75	171.25	0.00	1.00	3.18	0.00	137.55	4.60	88.19	0.58	17.67	N/A	N/A	N/A	N/A
629	6.29	2.18	45.53	4.00	6.09E-008	1.80E-004	9.00	29.02	0.00	0.00	0.00	53.01	15.00	138.20	1.28	0.30	5.77	171.50	0.00	1.00	3.19	0.00	138.20	4.59	88.19	0.58	17.68	N/A	N/A	N/A	N/A
630	6.30	2.18	45.37	4.00	6.10E-008	1.81E-004	9.00	29.02	0.00	0.00	0.00	52.97	15.00	138.19	1.27	0.30	5.76	171.46	0.00	1.00	3.20	0.00	138.19	4.58	87.99	0.58	17.68	N/A	N/A	N/A	N/A
631	6.31	2.18	45.25	4.00	6.11E-008	1.81E-004	9.00	29.02	0.00	0.00	0.00	52.95	15.00	138.18	1.27	0.30	5.75	171.44	0.00	1.00	3.21	0.00	138.18	4.58	87.84	0.58	17.67	N/A	N/A	N/A	N/A
632	6.32	2.19	45.59	4.00	6.13E-008	1.82E-004	9.00	29.16	0.00	0.00	0.00	53.20	15.00	138.84	1.28	0.30	5.77	171.80	0.00	1.00	3.20	0.00	138.84	4.58	88.03	0.58	17.68	N/A	N/A	N/A	N/A
633	6.33	2.20	45.50	4.00	6.25E-008	1.87E-004	9.00	29.29	0.00	0.00	0.00	53.26	15.00	139.49	1.28	0.30	5.79	171.90	0.00	1.00	3.22	0.00	139.49	4.55	87.76	0.58	17.68	N/A	N/A	N/A	N/A
634	6.34	2.22	45.40	4.00	6.51E-008	1.96E-004	9.00	29.57	0.00	0.00	0.00	53.37	15.00	140.81	1.29	0.30	5.83	172.08	0.00	1.00	3.26	0.00	140.81	4.49	87.33	0.58	17.68	N/A	N/A	N/A	N/A
635	6.35	2.23	45.06	4.00	6.70E-008	2.03E-004	9.00	29.71	0.00	0.00	0.00	53.32	15.00	141.47	1.29	0.30	5.85	172.02	0.00	1.00	3.30	0.00	141.47	4.45	86.79	0.58	17.68	N/A	N/A	N/A	N/A
636	6.36	2.25	44.90	4.00	6.99E-008	2.14E-004	9.00	29.99	0.00	0.00	0.00	53.40	15.00	142.79	1.30	0.30	5.90	172.16	0.00	1.00	3.34	0.00	142.79	4.39	86.30	0.58	17.68	N/A	N/A	N/A	N/A
637	6.37	2.26	44.14	4.00	7.32E-008	2.25E-004	9.00	30.12	0.00	0.00	0.00	53.15	15.00	143.44	1.31	0.30	5.92	171.83	0.00	1.00	3.41	0.00	143.44	4.32	85.31	0.58	17.66	N/A	N/A	N/A	N/A
638	6.38	2.27	44.49	4.00	7.34E-008	2.26E-004	9.00	30.26	0.00	0.00	0.00	53.40	15.00	144.10	1.31	0.30	5.94	172.20	0.00	1.00	3.40	0.00	144.10	4.32	85.53	0.58	17.67	N/A	N/A	N/A	N/A
639	6.39	2.30	44.87	4.00	7.64E-008	2.39E-004	9.00	30.68	0.00	0.00	0.00	53.80	15.00	146.09	1.33	0.30	6.01	172.75	0.00	1.00	3.42	0.00	146.09	4.27	85.49	0.58	17.68	N/A	N/A	N/A	N/A
640	6.40	2.31	44.74	4.00	7.80E-008	2.45E-004	10.00	30.82	0.00	0.00	0.00	53.83	15.00	146.74	1.33	0.30	6.03	172.82	0.00	1.00	3.44	0.00	146.74	4.24	85.18	0.58	17.68	N/A	N/A	N/A	N/A
641	6.41	2.30	46.22	4.00	7.19E-008	2.25E-004	10.00	30.67	0.00	0.00	0.00	54.49	15.00	146.07	1.32	0.30	5.99	173.69	0.00	1.00	3.32	0.00	146.07	4.35	86.88	0.58	17.72	N/A	N/A	N/A	N/A
642	6.42	2.31	46.35	4.00	7.26E-008	2.28E-004	10.00	30.81	0.00	0.00	0.00	54.64	15.00	146.72	1.33	0.30	6.01	173.92	0.00	1.00	3.32	0.00	146.72	4.34	86.85	0.58	17.72	N/A	N/A	N/A	N/A
643	6.43	2.30	46.25	4.00	7.12E-008	2.23E-004	10.00	30.67	0.00	0.00	0.00	54.57	15.00	146.04	1.32	0.30	5.97	173.83	0.00	1.00	3.32	0.00	146.04	4.36	86.87	0.58	17.72	N/A	N/A	N/A	N/A
644	6.44	2.31	46.32	4.00	7.21E-008	2.26E-004	10.00	30.81	0.00	0.00	0.00	54.70	15.00	146.70	1.32	0.30	5.99	174.01	0.00	1.00	3.33	0.00	146.70	4.35	86.77	0.58	17.72	N/A	N/A	N/A	N/A
645	6.45	2.32	46.47	4.00	7.28E-008	2.30E-004	10.00	30.94	0.00	0.00	0.00	54.87	15.00	147.35	1.33	0.30	6.01	174.25	0.00	1.00	3.33	0.00	147.35	4.33	86.77	0.58	17.73	N/A	N/A	N/A	N/A
646	6.46	2.33	46.32	4.00	7.44E-008	2.36E-004	10.00	31.08	0.00	0.00	0.00	54.89	15.00	148.01	1.33	0.30	6.03	174.30	0.00	1.00	3.36	0.00	148.01	4.30	86.44	0.58	17.72	N/A	N/A	N/A	N/A
647	6.47	2.34	46.22	4.00	7.58E-008	2.41E-004	10.00	31.22	0.00	0.00	0.00	54.94	15.00	148.66	1.33	0.30	6.05	174.39	0.00	1.00	3.38	0.00	148.66	4.28	86.17	0.58	17.72	N/A	N/A	N/A	N/A
648	6.48	2.36	46.29	4.00	7.82E-008	2.51E-004	10.00	31.50	0.00	0.00	0.00	55.13	15.00	149.98	1.34	0.30	6.09	174.66	0.00	1.00	3.40	0.00	149.98	4.23	85.94	0.58	17.73	N/A	N/A	N/A	N/A
649	6.49	2.39	46.66	4.00	8.13E-008	2.65E-004	10.00	31.91	0.00	0.00	0.00	55.52	15.00	151.97	1.36	0.30	6.17	175.20	0.00	1.00	3.42	0.00	151.97	4.18	85.89	0.58	17.74	N/A	N/A	N/A	N/A
650	6.50	2.41	46.82	4.00	8.36E-008	2.74E-004	10.00	32.19	0.00	0.00	0.00	55.74	15.00	153.29	1.37	0.30	6.21	175.52	0.00	1.00	3.44	0.00	153.29	4.14	85.76	0.58	17.75	N/A	N/A	N/A	N/A
651	6.51	2.45	47.52	4.00	8.73E-008	2.92E-004	10.00	32.75	0.00	0.00	0.00	56.34	15.00	155.95	1.39	0.30	6.31	176.34	0.00	1.00	3.45	0.00	155.95	4.08	85.91	0.58	17.77	N/A	N/A	N/A	N/A
652	6.52	2.46	47.89	4.00	8.74E-008	2.93E-004	10.00	32.89	0.00	0.00	0.00	56.60	15.00	156.61	1.39	0.30	6.33	176.70	0.00	1.00	3.43	0.00	156.61	4.08	86.14	0.58	17.78	N/A	N/A	N/A	N/A
653	6.53	2.44	48.15	4.00	8.31E-008	2.76E-004	10.00	32.60	0.00	0.00	0.00	56.64	15.00	155.26	1.38	0.30	6.26	176.74	0.00	1.00	3.39	0.00	155.26	4.15	86.65	0.58	17.79	N/A	N/A	N/A	N/A
654	6.54	2.32	49.34	4.00	6.31E-008	1.99E-004	10.00	30.92	0.00	0.00	0.00	56.49	15.00	147.25	1.31	0.30	5.92	176.47	0.00	1.00	3.13	0.00	147.25	4.54	89.54	0.58	17.80	N/A	N/A	N/A	N/A
655	6.55	2.23	49.25	4.00	5.27E-008	1.59E-004	10.00	29.66	0.00	0.00	0.00	55.92	15.00	141.24	1.25	0.30	5.67	175.66	0.00	1.00	3.01	0.00	141.24	4.80	90.71	0.58	17.78	N/A	N/A	N/A	N/A
656	6.56	2.16	49.50	4.00	4.50E-008	1.31E-004	9.00	28.68	0.00	0.00	0.00	55.62	15.00	136.56	1.21	0.30	5.46	175.22	0.00	1.00	2.90	0.00	136.56	5.05	91.97	0.58	17.77	N/A	N/A	N/A	N/A
657	6.57	1.98	51.08	4.00	2.84E-008	7.58E-005	9.00	26.15	0.00	0.00	0.00	55.12	15.00	124.54	1.10	0.30	4.96	174.41	0.00	1.00	2.56	0.00	124.54	5.82	96.22	0.58	17.77	N/A	N/A	N/A	N/A
658	6.58	1.87	52.50	4.00	2.07E-008	5.20E-005	9.00	24.61	0.00	0.00	0.00	54.95	15.00	117.20	1.03	0.30	4.65	174.11	0.00	1.00	2.34	0.00	117.20	6.40	99.26	0.58	17.78	N/A	N/A	N/A	N/A
659	6.59	1.63	55.52	3.00	9.94E-009	2.05E-005	8.00	20.27	0.00	0.00	0.00	54.22	15.00	101.18	0.89	0.30	4.01	172.89	0.00	1.00	1.91	0.00	101.18	7.92	105.78	0.58	17.80	N/A	N/A	N/A	N/A
660	6.60	1.51	56.88	3.00	6.66E-009	1.17E-005	8.00	17.16	0.00	0.00	0.00	53.67	15.00	93.17	0.82	0.30	3.68	172.02	0.00	1.00	1.72	0.00	93.17	8.86	108.75	0.50	17.79	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
661	6.61	1.41	58.49	3.00	4.59E-009	6.91E-006	8.00	14.76	0.00	0.00	0.00	53.32	15.00	86.49	0.76	0.30	3.41	171.42	0.00	1.00	1.55	0.00	86.49	9.81	111.58	0.51	17.80	N/A	N/A	N/A	N/A
662	6.62	1.28	63.06	3.00	2.53E-009	3.07E-006	7.00	11.93	0.00	0.00	0.00	53.58	15.00	77.81	0.68	0.30	3.07	171.60	0.00	1.00	1.30	0.00	77.81	11.48	117.37	0.55	17.85	N/A	N/A	N/A	N/A
663	6.63	1.26	64.86	3.00	2.22E-009	2.60E-006	7.00	11.50	0.00	0.00	0.00	54.00	15.00	76.46	0.67	0.30	3.01	172.15	0.00	1.00	1.24	0.00	76.46	11.88	119.16	0.57	17.88	N/A	N/A	N/A	N/A
664	6.64	1.26	68.89	3.00	1.97E-009	2.30E-006	7.00	11.48	0.00	0.00	0.00	55.39	15.00	76.46	0.67	0.30	3.00	174.00	0.00	1.00	1.17	0.00	76.46	12.25	122.66	0.60	17.95	N/A	N/A	N/A	N/A
665	6.65	1.30	70.19	3.00	2.19E-009	2.74E-006	7.00	12.27	0.00	0.00	0.00	56.32	15.00	79.11	0.69	0.30	3.10	175.30	0.00	1.00	1.18	0.00	79.11	11.92	123.29	0.61	17.98	N/A	N/A	N/A	N/A
666	6.66	1.40	69.68	3.00	3.12E-009	4.59E-006	8.00	14.40	0.00	0.00	0.00	57.32	15.00	85.77	0.75	0.30	3.36	176.75	0.00	1.00	1.29	0.00	85.77	10.86	121.63	0.61	18.00	N/A	N/A	N/A	N/A
667	6.67	1.44	67.54	3.00	3.76E-009	5.86E-006	8.00	15.29	0.00	0.00	0.00	57.06	15.00	88.43	0.77	0.30	3.46	176.47	0.00	1.00	1.37	0.00	88.43	10.34	119.18	0.59	17.97	N/A	N/A	N/A	N/A
668	6.68	1.47	65.14	3.00	4.42E-009	7.18E-006	8.00	15.96	0.00	0.00	0.00	56.57	15.00	90.42	0.78	0.30	3.53	175.89	0.00	1.00	1.46	0.00	90.42	9.91	116.58	0.57	17.94	N/A	N/A	N/A	N/A
669	6.69	1.50	62.33	3.00	5.25E-009	8.90E-006	8.00	16.64	0.00	0.00	0.00	55.91	15.00	92.41	0.80	0.30	3.60	175.06	0.00	1.00	1.56	0.00	92.41	9.46	113.56	0.54	17.90	N/A	N/A	N/A	N/A
670	6.70	1.52	62.02	3.00	5.60E-009	9.77E-006	8.00	17.09	0.00	0.00	0.00	56.03	15.00	93.73	0.81	0.30	3.65	175.26	0.00	1.00	1.59	0.00	93.73	9.29	112.95	0.54	17.90	N/A	N/A	N/A	N/A
671	6.71	1.56	61.77	3.00	6.34E-009	1.17E-005	8.00	18.05	0.00	0.00	0.00	56.37	15.00	96.38	0.83	0.30	3.75	175.75	0.00	1.00	1.64	0.00	96.38	8.98	112.13	0.53	17.90	N/A	N/A	N/A	N/A
672	6.72	1.67	59.56	3.00	9.24E-009	1.96E-005	8.00	20.86	0.00	0.00	0.00	56.61	15.00	103.71	0.89	0.30	4.02	176.20	0.00	1.00	1.83	0.00	103.71	8.09	108.48	0.58	17.89	N/A	N/A	N/A	N/A
673	6.73	1.72	58.42	3.00	1.09E-008	2.47E-005	9.00	22.19	0.00	0.00	0.00	56.65	15.00	107.03	0.92	0.30	4.15	176.33	0.00	1.00	1.92	0.00	107.03	7.72	106.63	0.58	17.88	N/A	N/A	N/A	N/A
674	6.74	1.72	58.11	3.00	1.10E-008	2.48E-005	8.00	22.15	0.00	0.00	0.00	56.57	15.00	107.02	0.92	0.30	4.14	176.23	0.00	1.00	1.93	0.00	107.02	7.70	106.29	0.58	17.87	N/A	N/A	N/A	N/A
675	6.75	1.63	56.75	3.00	8.92E-009	1.79E-005	8.00	19.70	0.00	0.00	0.00	55.28	15.00	101.01	0.87	0.30	3.90	174.43	0.00	1.00	1.87	0.00	101.01	8.17	106.19	0.58	17.82	N/A	N/A	N/A	N/A
676	6.76	1.57	55.33	3.00	7.84E-009	1.45E-005	8.00	18.14	0.00	0.00	0.00	54.21	15.00	96.99	0.83	0.30	3.74	172.95	0.00	1.00	1.84	0.00	96.99	8.47	105.58	0.58	17.78	N/A	N/A	N/A	N/A
677	6.77	1.49	54.77	3.00	6.25E-009	1.03E-005	8.00	16.17	0.00	0.00	0.00	53.27	15.00	91.65	0.78	0.30	3.53	171.60	0.00	1.00	1.76	0.00	91.65	9.02	106.05	0.47	17.75	N/A	N/A	N/A	N/A
678	6.78	1.47	55.65	3.00	5.68E-009	9.07E-006	8.00	15.67	0.00	0.00	0.00	53.44	15.00	90.30	0.77	0.30	3.47	171.82	0.00	1.00	1.70	0.00	90.30	9.26	107.11	0.48	17.76	N/A	N/A	N/A	N/A
679	6.79	1.53	57.70	3.00	6.36E-009	1.11E-005	8.00	17.06	0.00	0.00	0.00	54.84	15.00	94.29	0.80	0.30	3.62	173.78	0.00	1.00	1.72	0.00	94.29	8.97	108.25	0.49	17.82	N/A	N/A	N/A	N/A
680	6.80	1.60	58.77	3.00	7.53E-009	1.44E-005	8.00	18.76	0.00	0.00	0.00	55.95	15.00	98.95	0.84	0.30	3.79	175.34	0.00	1.00	1.77	0.00	98.95	8.57	108.28	0.58	17.85	N/A	N/A	N/A	N/A
681	6.81	1.74	61.99	3.00	9.97E-009	2.28E-005	9.00	22.43	0.00	0.00	0.00	58.49	15.00	108.28	0.92	0.30	4.14	178.80	0.00	1.00	1.83	0.00	108.28	7.92	109.33	0.58	17.95	N/A	N/A	N/A	N/A
682	6.82	1.85	61.20	3.00	1.34E-008	3.33E-005	9.00	24.28	0.00	0.00	0.00	59.19	15.00	115.60	0.98	0.30	4.42	179.82	0.00	1.00	1.98	0.00	115.60	7.27	106.98	0.58	17.96	N/A	N/A	N/A	N/A
683	6.83	1.96	60.60	3.00	1.77E-008	4.67E-005	9.00	25.81	0.00	0.00	0.00	59.90	15.00	122.92	1.04	0.30	4.69	180.84	0.00	1.00	2.13	0.00	122.92	6.70	104.79	0.58	17.97	N/A	N/A	N/A	N/A
684	6.84	2.20	61.07	4.00	2.96E-008	8.81E-005	10.00	29.17	0.00	0.00	0.00	61.87	15.00	138.91	1.18	0.30	5.31	183.52	0.00	1.00	2.39	0.00	138.91	5.75	101.79	0.58	18.02	N/A	N/A	N/A	N/A
685	6.85	2.30	60.51	4.00	3.68E-008	1.15E-004	10.00	30.57	0.00	0.00	0.00	62.36	15.00	145.57	1.23	0.30	5.57	184.21	0.00	1.00	2.53	0.00	145.57	5.37	99.81	0.58	18.03	N/A	N/A	N/A	N/A
686	6.86	2.40	58.55	4.00	4.74E-008	1.54E-004	10.00	31.97	0.00	0.00	0.00	62.23	15.00	152.22	1.28	0.30	5.83	184.13	0.00	1.00	2.73	0.00	152.22	4.97	96.54	0.58	18.01	N/A	N/A	N/A	N/A
687	6.87	2.40	57.42	4.00	4.89E-008	1.59E-004	10.00	31.96	0.00	0.00	0.00	61.79	15.00	152.21	1.28	0.30	5.82	183.59	0.00	1.00	2.78	0.00	152.21	4.92	95.44	0.58	17.98	N/A	N/A	N/A	N/A
688	6.88	2.40	56.88	4.00	4.96E-008	1.62E-004	10.00	31.96	0.00	0.00	0.00	61.59	15.00	152.20	1.28	0.30	5.81	183.36	0.00	1.00	2.81	0.00	152.20	4.90	94.90	0.58	17.97	N/A	N/A	N/A	N/A
689	6.89	2.37	55.24	4.00	4.92E-008	1.58E-004	10.00	31.54	0.00	0.00	0.00	60.73	15.00	150.19	1.26	0.30	5.73	182.26	0.00	1.00	2.85	0.00	150.19	4.91	93.73	0.58	17.93	N/A	N/A	N/A	N/A
690	6.90	2.36	54.80	4.00	4.88E-008	1.56E-004	10.00	31.40	0.00	0.00	0.00	60.51	15.00	149.51	1.25	0.30	5.69	181.99	0.00	1.00	2.86	0.00	149.51	4.92	93.42	0.58	17.92	N/A	N/A	N/A	N/A
691	6.91	2.36	54.80	4.00	4.86E-008	1.56E-004	10.00	31.39	0.00	0.00	0.00	60.55	15.00	149.50	1.25	0.30	5.69	182.05	0.00	1.00	2.86	0.00	149.50	4.93	93.39	0.58	17.92	N/A	N/A	N/A	N/A
692	6.92	2.36	54.80	4.00	4.84E-008	1.55E-004	10.00	31.39	0.00	0.00	0.00	60.59	15.00	149.49	1.25	0.30	5.68	182.11	0.00	1.00	2.86	0.00	149.49	4.93	93.36	0.58	17.92	N/A	N/A	N/A	N/A
693	6.93	2.30	48.52	4.00	5.35E-008	1.67E-004	10.00	30.55	0.00	0.00	0.00	57.42	15.00	145.47	1.21	0.30	5.52	178.03	0.00	1.00	3.15	0.00	145.47	4.78	87.99	0.58	17.77	N/A	N/A	N/A	N/A
694	6.94	2.29	48.68	4.00	5.19E-008	1.61E-004	10.00	30.41	0.00	0.00	0.00	57.47	15.00	144.79	1.21	0.30	5.49	178.09	0.00	1.00	3.12	0.00	144.79	4.83	88.26	0.58	17.78	N/A	N/A	N/A	N/A
695	6.95	2.29	48.27	4.00	5.25E-008	1.63E-004	10.00	30.40	0.00	0.00	0.00	57.32	15.00	144.78	1.21	0.30	5.48	177.90	0.00	1.00	3.15	0.00	144.78	4.81	87.82	0.58	17.77	N/A	N/A	N/A	N/A
696	6.96	2.29	48.02	4.00	5.28E-008	1.64E-004	10.00	30.40	0.00	0.00	0.00	57.24	15.00	144.77	1.20	0.30	5.47	177.81	0.00	1.00	3.17	0.00	144.77	4.80	87.54	0.58	17.76	N/A	N/A	N/A	N/A
697	6.97	2.29	47.33	4.00	5.40E-008	1.67E-004	10.00	30.40	0.00	0.00	0.00	56.95	15.00	144.76	1.20	0.30	5.46	177.45	0.00	1.00	3.21	0.00	144.76	4.77	86.82	0.58	17.74	N/A	N/A	N/A	N/A
698	6.98	2.29	46.76	4.00	5.49E-008	1.70E-004	10.00	30.40	0.00	0.00	0.00	56.72	15.00	144.74	1.20	0.30	5.46	177.16	0.00	1.00	3.25	0.00	144.74	4.74	86.22	0.58	17.73	N/A	N/A	N/A	N/A
699	6.99	2.31	46.35	4.00	5.79E-008	1.81E-004	10.00	30.67	0.00	0.00	0.00	56.68	15.00	146.07	1.21	0.30	5.50	177.13	0.00	1.00	3.31	0.00	146.07	4.66	85.51	0.58	17.72	N/A	N/A	N/A	N/A
700	7.00	2.31	46.13	4.00	5.81E-008	1.82E-004	10.00	30.67	0.00	0.00	0.00	56.61	15.00	146.06	1.21	0.30	5.49	177.05	0.00	1.00	3.32	0.00	146.06	4.66	85.27	0.58	17.72	N/A	N/A	N/A	N/A
701	7.01	2.32	46.13	4.00	5.91E-008	1.85E-004	10.00	30.81	0.00	0.00	0.00	56.71	15.00	146.71	1.21	0.30	5.51	177.19	0.00	1.00	3.34	0.00	146.71	4.63	85.11	0.58	17.72	N/A	N/A	N/A	N/A
702	7.02	2.31	45.53	4.00	5.90E-008	1.85E-004	10.00	30.67	0.00	0.00	0.00	56.40	15.00	146.03	1.20	0.30	5.48	176.79	0.00	1.00	3.37	0.00	146.03	4.63	84.61	0.58	17.70	N/A	N/A	N/A	N/A
703	7.03	2.31	45.28	4.00	5.94E-008	1.86E-004	10.00	30.66	0.00	0.00	0.00	56.31	15.00	146.02	1.20	0.30	5.47	176.69	0.00	1.00	3.39	0.00	146.02	4.62	84.33	0.58	17.70	N/A	N/A	N/A	N/A
704	7.04	2.30	45.02	4.00	5.86E-008	1.82E-004	10.00	30.52	0.00	0.00	0.00	56.16	15.00	145.34	1.19	0.30	5.44	176.49	0.00	1.00	3.39	0.00	145.34	4.64	84.17	0.58	17.69	N/A	N/A	N/A	N/A
705	7.05	2.29	44.02	4.00	5.95E-008	1.84E-004	10.00	30.38	0.00	0.00	0.00	55.65	15.00	144.66	1.19	0.30	5.41	175.82	0.00	1.00	3.45	0.00	144.66	4.62	83.25	0.58	17.66	N/A	N/A	N/A	N/A
706	7.06	2.28	43.73	4.00	5.88E-008	1.81E-004	10.00	30.24	0.00	0.00	0.00	55.48	15.00	143.99	1.18	0.30	5.37	175.60	0.00	1.00	3.46	0.00	143.99	4.64	83.06	0.58	17.65	N/A	N/A	N/A	N/A
707	7.07	2.26	43.42	4.00	5.70E-008	1.74E-004	10.00	29.95	0.00	0.00	0.00	55.24	15.00	142.64	1.17	0.30	5.31	175.28	0.00	1.00	3.45	0.00	142.64	4.69	82.98	0.58	17.64	N/A	N/A	N/A	N/A
708	7.08	2.26	43.04	4.00	5.77E-008	1.76E-004	10.00	29.95	0.00	0.00	0.00	55.09	15.00	142.63	1.17	0.30	5.31	175.09	0.00	1.00	3.48	0.00	142.63	4.67	82.56	0.58	17.63	N/A	N/A	N/A	N/A
709	7.09	2.26	42.79	4.00	5.80E-008	1.77E-004	10.00	29.95	0.00	0.00	0.00	55.00	15.00	142.62	1.16	0.30	5.30	174.98	0.00	1.00	3.50	0.00	142.62	4.66	82.28	0.58	17.62	N/A	N/A	N/A	N/A
710	7.10	2.26	42.57	4.00	5.83E-008	1.78E-004	10.00	29.95	0.00	0.00	0.00	54.93	15.00	142.61	1.16	0.30	5.29	174.89	0.00	1.00	3.52	0.00	142.61	4.65	82.03	0.58	17.62	N/A	N/A	N/A	N/A
711	7.11	2.26	42.34	4.00	5.87E-008	1.79E-004	10.00	29.94	0.00	0.00	0.00	54.85	15.00	142.59	1.16	0.30	5.28	174.80	0.00	1.00	3.54	0.00	142.59	4.64	81.77	0.58	17.61	N/A	N/A	N/A	N/A
712	7.12	2.27	41.65	4.00	6.14E-008	1.88E-004	10.00	30.08	0.00	0.00	0.00	54.60	15.00	143.25	1.16	0.30	5.30	174.48	0.00	1.00	3.61	0.00	143.25	4.58	80.90	0.58	17.59	N/A	N/A	N/A	N/A
713	7.13	2.28	41.46	4.00	6.29E-008	1.94E-004	10.00	30.22	0.00	0.00	0.00	54.59	15.00	143.91	1.17	0.30	5.32	174.50	0.00	1.00	3.64	0.00	143.91	4.54	80.55	0.58	17.59	N/A	N/A	N/A	N/A
714	7.14	2.29	41.40	4.00	6.41E-008	1.98E-004	10.00	30.36	0.00	0.00	0.00	54.66	15.00	144.56	1.17	0.30	5.34	174.60	0.00	1.00	3.67	0.00	144.56	4.51	80.34	0.58	17.59	N/A	N/A	N/A	N/A
715	7.15	2.30	41.59	4.00	6.46E-008	2.01E-004	10.00	30.50	0.00	0.00	0.00	54.85	15.00	145.22	1.17	0.30	5.36	174.86	0.00	1.00	3.67	0.00	145.22	4.50	80.39	0.58	17.60	N/A	N/A	N/A	N/A
716	7.16	2.32	41.87	4.00	6.62E-008	2.08E-004	10.00	30.77	0.00	0.00	0.00	55.14	15.00	146.54	1.18	0.30	5.40	175.28	0.00	1.00	3.67	0.00	146.54	4.47	80.41	0.58	17.61	N/A	N/A	N/A	N/A
717	7.17	2.34	42.22	4.00	6.76E-008	2.14E-004	10.00	31.05	0.00	0.00	0.00	55.47	15.00	147.86	1.19	0.30	5.44	175.73	0.00	1.00	3.68	0.00	147.86	4.44	80.51	0.58	17.62	N/A	N/A	N/A	N/A
718	7.18	2.36	42.34	4.00	6.97E-008	2.22E-004	10.00	31.33	0.00	0.00	0.00	55.68	15.00	149.18	1.20	0.30	5.49	176.03	0.00	1.00	3.70	0.00	149.18	4.39	80.36	0.58	17.63	N/A	N/A	N/A	N/A
719	7.19	2.37	42.41	4.00	7.05E-008	2.26E-004	10.00	31.47	0.00	0.00	0.00	55.80	15.00	149.84	1.21	0.30	5.50	176.22	0.00	1.00	3.71	0.00	149.84	4.38	80.29	0.58	17.63	N/A	N/A	N/A	N/A
720	7.20	2.40	42.34	4.00	7.47E-008	2.43E-004	10.00	31.88	0.00	0.00	0.00	55.98	15.00	151.83	1.22	0.30	5.57	176.47	0.00	1.00	3.77	0.00	151.83	4.30	79.83	0.58	17.63	N/A	N/A	N/A	N/A
721	7.21	2.41	42.69	4.00	7.47E-008	2.44E-004	10.00	32.02	0.00	0.00	0.00	56.25	15.00	152.48	1.22	0.30	5.59	176.84	0.00	1.00	3.75	0.00	152.48	4.30	80.04	0.58	17.64	N/A	N/A	N/A	N/A
722	7.22	2.41	42.88	4.00	7.39E-008	2.41E-004	10.00	32.02	0.00	0.00	0.00	56.38	15.00	152.47	1.22	0.30	5.58	177.02	0.00	1.00	3.73	0.00	152.47	4.31	80.22	0.58	17.65	N/A	N/A	N/A	N/A
723	7.23	2.42	43.45	4.00	7.33E-008	2.40E-004	10.00	32.16	0.00	0.00	0.00	56.75	15.00	153.13	1.22	0.30	5.60	177.53	0.00	1.00	3.70	0.00	153.13	4.32	80.66	0.58	17.67	N/A	N/A	N/A	N/A
724	7.24	2.42	43.54	4.00	7.27E-008	2.38E-004	10.00	32.15	0.00	0.00	0.00	56.83	15.00	153.11	1.22	0.30	5.59	177.64	0.00	1.00	3.69	0.00	153.11	4.33	80.73	0.58	17.67	N/A	N/A	N/A	N/A
725	7.25	2.44	43.57	4.00	7.52E-008	2.48E-004	10.00	32.43	0.00	0.00	0.00	57.00	15.00	154.44	1.23	0.30	5.63	177.88	0.00	1.00	3.72	0.00	154.44	4.29	80.50	0.58	17.67	N/A	N/A	N/A	N/A
726	7.26	2.46	43.76	4.00	7.71E-008	2.57E-004	10.00	32.71	0.00	0.00	0.00	57.24	15.00	155.76	1.24	0.30	5.67	178.22	0.00	1.00	3.74	0.00	155.76	4.25	80.42	0.58	17.68	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
727	7.27	2.48	44.11	4.00	7.86E-008	2.64E-004	10.00	32.99	0.00	0.00	0.00	57.57	15.00	157.08	1.25	0.30	5.72	178.66	0.00	1.00	3.74	0.00	157.08	4.23	80.51	0.58	17.69	N/A	N/A	N/A	N/A
728	7.28	2.52	44.46	4.00	8.31E-008	2.84E-004	10.00	33.54	0.00	0.00	0.00	58.00	15.00	159.74	1.27	0.30	5.81	179.26	0.00	1.00	3.77	0.00	159.74	4.15	80.36	0.58	17.71	N/A	N/A	N/A	N/A
729	7.29	2.55	44.84	4.00	8.61E-008	2.98E-004	10.00	33.96	0.00	0.00	0.00	58.40	15.00	161.72	1.28	0.30	5.88	179.79	0.00	1.00	3.79	0.00	161.72	4.10	80.36	0.58	17.72	N/A	N/A	N/A	N/A
730	7.30	2.60	45.62	4.00	9.10E-008	3.21E-004	11.00	34.66	0.00	0.00	0.00	59.10	15.00	165.05	1.31	0.30	5.99	180.74	0.00	1.00	3.80	0.00	165.05	4.03	80.51	0.58	17.75	N/A	N/A	N/A	N/A
731	7.31	2.63	46.00	4.00	9.41E-008	3.37E-004	11.00	35.08	0.00	0.00	0.00	59.49	15.00	167.04	1.32	0.30	6.06	181.26	0.00	1.00	3.81	0.00	167.04	3.99	80.51	0.58	17.76	N/A	N/A	N/A	N/A
732	7.32	2.67	46.66	4.00	9.80E-008	3.56E-004	11.00	35.64	0.00	0.00	0.00	60.08	15.00	169.69	1.34	0.30	6.15	182.03	0.00	1.00	3.82	0.00	169.69	3.93	80.66	0.58	17.79	N/A	N/A	N/A	N/A
733	7.33	2.70	47.36	4.00	1.00E-007	3.68E-004	11.00	36.05	0.00	0.00	0.00	60.62	15.00	171.68	1.35	0.30	6.22	182.75	0.00	1.00	3.81	0.00	171.68	3.91	80.96	0.58	17.81	N/A	N/A	N/A	N/A
734	7.34	2.72	48.02	4.00	1.01E-007	3.73E-004	11.00	36.33	0.00	0.00	0.00	61.09	15.00	173.00	1.36	0.30	6.26	183.36	0.00	1.00	3.78	0.00	173.00	3.90	81.34	0.58	17.83	N/A	N/A	N/A	N/A
735	7.35	2.77	48.97	4.00	1.05E-007	3.97E-004	11.00	37.03	0.00	0.00	0.00	61.87	15.00	176.32	1.39	0.30	6.37	184.37	0.00	1.00	3.78	0.00	176.32	3.84	81.64	0.58	17.85	N/A	N/A	N/A	N/A
736	7.36	2.79	49.22	4.00	1.07E-007	4.08E-004	11.00	37.31	0.00	0.00	0.00	62.13	15.00	177.65	1.39	0.30	6.41	184.72	0.00	1.00	3.79	0.00	177.65	3.82	81.63	0.58	17.86	N/A	N/A	N/A	N/A
737	7.37	2.81	49.34	4.00	1.10E-007	4.22E-004	11.00	37.58	0.00	0.00	0.00	62.34	15.00	178.97	1.40	0.30	6.46	184.99	0.00	1.00	3.81	0.00	178.97	3.79	81.49	0.58	17.87	N/A	N/A	N/A	N/A
738	7.38	2.84	50.13	4.00	1.12E-007	4.33E-004	11.00	38.00	0.00	0.00	0.00	62.92	15.00	180.96	1.42	0.30	6.52	185.74	0.00	1.00	3.79	0.00	180.96	3.77	81.87	0.58	17.89	N/A	N/A	N/A	N/A
739	7.39	2.85	50.64	4.00	1.11E-007	4.33E-004	11.00	38.14	0.00	0.00	0.00	63.26	15.00	181.61	1.42	0.30	6.53	186.17	0.00	1.00	3.77	0.00	181.61	3.77	82.20	0.58	17.90	N/A	N/A	N/A	N/A
740	7.40	2.86	51.87	4.00	1.08E-007	4.21E-004	11.00	38.28	0.00	0.00	0.00	63.95	15.00	182.27	1.42	0.30	6.55	187.03	0.00	1.00	3.69	0.00	182.27	3.81	83.20	0.58	17.93	N/A	N/A	N/A	N/A
741	7.41	2.84	52.21	4.00	1.03E-007	3.98E-004	11.00	37.99	0.00	0.00	0.00	64.04	15.00	180.92	1.41	0.30	6.49	187.14	0.00	1.00	3.64	0.00	180.92	3.87	83.72	0.58	17.94	N/A	N/A	N/A	N/A
742	7.42	2.84	52.24	4.00	1.02E-007	3.97E-004	11.00	37.99	0.00	0.00	0.00	64.09	15.00	180.91	1.41	0.30	6.48	187.21	0.00	1.00	3.64	0.00	180.91	3.88	83.73	0.58	17.94	N/A	N/A	N/A	N/A
743	7.43	2.81	52.53	4.00	9.62E-008	3.68E-004	11.00	37.57	0.00	0.00	0.00	64.10	15.00	178.90	1.39	0.30	6.39	187.22	0.00	1.00	3.58	0.00	178.90	3.96	84.32	0.58	17.94	N/A	N/A	N/A	N/A
744	7.44	2.80	52.43	4.00	9.46E-008	3.61E-004	11.00	37.43	0.00	0.00	0.00	64.04	15.00	178.22	1.38	0.30	6.36	187.14	0.00	1.00	3.57	0.00	178.22	3.98	84.33	0.58	17.94	N/A	N/A	N/A	N/A
745	7.45	2.78	52.53	4.00	9.09E-008	3.44E-004	11.00	37.14	0.00	0.00	0.00	64.02	15.00	176.88	1.37	0.30	6.30	187.11	0.00	1.00	3.54	0.00	176.88	4.03	84.63	0.58	17.94	N/A	N/A	N/A	N/A
746	7.46	2.77	52.56	4.00	8.90E-008	3.36E-004	11.00	37.00	0.00	0.00	0.00	64.01	15.00	176.20	1.36	0.30	6.26	187.11	0.00	1.00	3.52	0.00	176.20	4.06	84.76	0.58	17.94	N/A	N/A	N/A	N/A
747	7.47	2.73	52.34	4.00	8.36E-008	3.11E-004	11.00	36.44	0.00	0.00	0.00	63.72	15.00	173.52	1.34	0.30	6.16	186.74	0.00	1.00	3.48	0.00	173.52	4.14	85.01	0.58	17.93	N/A	N/A	N/A	N/A
748	7.48	2.69	52.28	4.00	7.80E-008	2.85E-004	11.00	35.88	0.00	0.00	0.00	63.51	15.00	170.84	1.32	0.30	6.05	186.46	0.00	1.00	3.43	0.00	170.84	4.24	85.41	0.58	17.92	N/A	N/A	N/A	N/A
749	7.49	2.65	52.21	4.00	7.27E-008	2.62E-004	11.00	35.31	0.00	0.00	0.00	63.28	15.00	168.16	1.30	0.30	5.94	186.17	0.00	1.00	3.38	0.00	168.16	4.33	85.80	0.58	17.91	N/A	N/A	N/A	N/A
750	7.50	2.53	52.24	4.00	5.84E-008	2.00E-004	11.00	33.63	0.00	0.00	0.00	62.64	15.00	160.15	1.23	0.30	5.63	185.31	0.00	1.00	3.22	0.00	160.15	4.65	87.26	0.58	17.89	N/A	N/A	N/A	N/A
751	7.51	2.43	52.24	4.00	4.83E-008	1.59E-004	10.00	32.23	0.00	0.00	0.00	62.07	15.00	153.47	1.18	0.30	5.38	184.55	0.00	1.00	3.08	0.00	153.47	4.94	88.48	0.58	17.88	N/A	N/A	N/A	N/A
752	7.52	2.34	52.75	4.00	3.97E-008	1.25E-004	10.00	30.97	0.00	0.00	0.00	61.79	15.00	147.46	1.13	0.30	5.15	184.15	0.00	1.00	2.94	0.00	147.46	5.25	90.04	0.58	17.88	N/A	N/A	N/A	N/A
753	7.53	2.09	53.16	4.00	2.30E-008	6.44E-005	10.00	27.46	0.00	0.00	0.00	60.36	15.00	130.78	1.00	0.30	4.52	182.18	0.00	1.00	2.58	0.00	130.78	6.20	93.51	0.58	17.84	N/A	N/A	N/A	N/A
754	7.54	2.02	53.29	4.00	1.95E-008	5.25E-005	9.00	26.48	0.00	0.00	0.00	59.96	15.00	126.10	0.97	0.30	4.35	181.63	0.00	1.00	2.48	0.00	126.10	6.52	94.45	0.58	17.83	N/A	N/A	N/A	N/A
755	7.55	2.00	53.44	3.00	1.84E-008	4.92E-005	9.00	26.20	0.00	0.00	0.00	59.90	15.00	124.75	0.95	0.30	4.29	181.54	0.00	1.00	2.45	0.00	124.75	6.63	94.82	0.58	17.83	N/A	N/A	N/A	N/A
756	7.56	2.02	55.52	3.00	1.80E-008	4.84E-005	10.00	26.48	0.00	0.00	0.00	60.99	15.00	126.07	0.96	0.30	4.33	182.94	0.00	1.00	2.38	0.00	126.07	6.68	96.45	0.58	17.88	N/A	N/A	N/A	N/A
757	7.57	2.04	57.04	3.00	1.78E-008	4.86E-005	10.00	26.75	0.00	0.00	0.00	61.84	15.00	127.40	0.97	0.30	4.37	184.03	0.00	1.00	2.35	0.00	127.40	6.69	97.55	0.58	17.91	N/A	N/A	N/A	N/A
758	7.58	2.09	62.71	3.00	1.67E-008	4.67E-005	10.00	27.45	0.00	0.00	0.00	64.64	15.00	130.73	1.00	0.30	4.48	187.52	0.00	1.00	2.19	0.00	130.73	6.82	101.91	0.58	18.03	N/A	N/A	N/A	N/A
759	7.59	2.13	64.48	3.00	1.72E-008	4.92E-005	10.00	28.01	0.00	0.00	0.00	65.72	15.00	133.38	1.01	0.30	4.57	188.88	0.00	1.00	2.17	0.00	133.38	6.76	102.88	0.58	18.07	N/A	N/A	N/A	N/A
760	7.60	2.17	68.67	3.00	1.66E-008	4.84E-005	10.00	28.57	0.00	0.00	0.00	67.75	15.00	136.04	1.03	0.30	4.65	191.36	0.00	1.00	2.08	0.00	136.04	6.83	105.87	0.58	18.15	N/A	N/A	N/A	N/A
761	7.61	2.22	70.53	3.00	1.75E-008	5.21E-005	11.00	29.27	0.00	0.00	0.00	68.93	15.00	139.36	1.06	0.30	4.76	192.81	0.00	1.00	2.07	0.00	139.36	6.73	106.73	0.58	18.19	N/A	N/A	N/A	N/A
762	7.62	2.34	72.46	3.00	2.11E-008	6.64E-005	11.00	30.94	0.00	0.00	0.00	70.66	15.00	147.35	1.12	0.30	5.03	194.94	0.00	1.00	2.14	0.00	147.35	6.37	106.73	0.58	18.24	N/A	N/A	N/A	N/A
763	7.63	2.42	72.90	4.00	2.43E-008	7.93E-005	11.00	32.06	0.00	0.00	0.00	71.44	15.00	152.67	1.15	0.30	5.21	195.91	0.00	1.00	2.20	0.00	152.67	6.10	106.06	0.58	18.26	N/A	N/A	N/A	N/A
764	7.64	2.50	73.78	4.00	2.75E-008	9.30E-005	11.00	33.18	0.00	0.00	0.00	72.39	15.00	157.99	1.19	0.30	5.40	197.05	0.00	1.00	2.25	0.00	157.99	5.88	105.73	0.58	18.29	N/A	N/A	N/A	N/A
765	7.65	2.73	78.07	4.00	3.70E-008	1.37E-004	12.00	36.40	0.00	0.00	0.00	75.66	15.00	173.32	1.31	0.30	5.94	200.93	0.00	1.00	2.33	0.00	173.32	5.37	106.21	0.58	18.39	N/A	N/A	N/A	N/A
766	7.66	2.85	80.27	4.00	4.26E-008	1.65E-004	12.00	38.07	0.00	0.00	0.00	77.35	15.00	181.31	1.37	0.30	6.21	202.88	0.00	1.00	2.37	0.00	181.31	5.14	106.38	0.58	18.43	N/A	N/A	N/A	N/A
767	7.67	2.90	80.72	4.00	4.55E-008	1.80E-004	13.00	38.77	0.00	0.00	0.00	77.88	15.00	184.63	1.39	0.30	6.33	203.51	0.00	1.00	2.40	0.00	184.63	5.03	106.07	0.58	18.45	N/A	N/A	N/A	N/A
768	7.68	2.88	78.00	4.00	4.70E-008	1.84E-004	12.00	38.49	0.00	0.00	0.00	76.71	15.00	183.28	1.38	0.30	6.27	202.21	0.00	1.00	2.47	0.00	183.28	4.98	104.19	0.58	18.41	N/A	N/A	N/A	N/A
769	7.69	2.85	76.14	4.00	4.67E-008	1.81E-004	12.00	38.07	0.00	0.00	0.00	75.81	15.00	181.27	1.36	0.30	6.20	201.19	0.00	1.00	2.50	0.00	181.27	4.99	103.07	0.58	18.37	N/A	N/A	N/A	N/A
770	7.70	2.73	72.58	4.00	4.18E-008	1.55E-004	12.00	36.38	0.00	0.00	0.00	73.65	15.00	173.26	1.30	0.30	5.91	198.68	0.00	1.00	2.51	0.00	173.26	5.17	101.71	0.58	18.30	N/A	N/A	N/A	N/A
771	7.71	2.68	70.50	4.00	4.04E-008	1.47E-004	12.00	35.68	0.00	0.00	0.00	72.51	15.00	169.91	1.27	0.30	5.78	197.36	0.00	1.00	2.53	0.00	169.91	5.22	100.62	0.58	18.26	N/A	N/A	N/A	N/A
772	7.72	2.60	68.26	4.00	3.72E-008	1.31E-004	11.00	34.56	0.00	0.00	0.00	71.10	15.00	164.57	1.23	0.30	5.58	195.70	0.00	1.00	2.53	0.00	164.57	5.36	99.74	0.58	18.21	N/A	N/A	N/A	N/A
773	7.73	2.45	62.93	4.00	3.27E-008	1.08E-004	11.00	32.46	0.00	0.00	0.00	67.89	15.00	154.55	1.15	0.30	5.23	191.84	0.00	1.00	2.58	0.00	154.55	5.57	97.10	0.58	18.10	N/A	N/A	N/A	N/A
774	7.74	2.39	59.65	4.00	3.21E-008	1.03E-004	11.00	31.61	0.00	0.00	0.00	66.10	15.00	150.54	1.12	0.30	5.08	189.66	0.00	1.00	2.65	0.00	150.54	5.61	94.99	0.58	18.03	N/A	N/A	N/A	N/A
775	7.75	2.31	56.69	4.00	3.00E-008	9.32E-005	10.00	30.49	0.00	0.00	0.00	64.29	15.00	145.19	1.08	0.30	4.89	187.42	0.00	1.00	2.69	0.00	145.19	5.72	93.33	0.58	17.95	N/A	N/A	N/A	N/A
776	7.76	2.22	52.56	4.00	2.85E-008	8.50E-005	10.00	29.23	0.00	0.00	0.00	61.84	15.00	139.18	1.03	0.30	4.68	184.34	0.00	1.00	2.78	0.00	139.18	5.81	90.66	0.58	17.85	N/A	N/A	N/A	N/A
777	7.77	2.18	51.46	4.00	2.71E-008	7.92E-005	10.00	28.67	0.00	0.00	0.00	61.09	15.00	136.50	1.01	0.30	4.58	183.39	0.00	1.00	2.79	0.00	136.50	5.90	90.10	0.58	17.82	N/A	N/A	N/A	N/A
778	7.78	2.15	49.72	4.00	2.69E-008	7.76E-005	10.00	28.24	0.00	0.00	0.00	60.11	15.00	134.49	1.00	0.30	4.51	182.14	0.00	1.00	2.84	0.00	134.49	5.91	88.81	0.58	17.78	N/A	N/A	N/A	N/A
779	7.79	2.13	48.43	4.00	2.69E-008	7.68E-005	10.00	27.96	0.00	0.00	0.00	59.39	15.00	133.15	0.99	0.30	4.45	181.22	0.00	1.00	2.89	0.00	133.15	5.91	87.81	0.58	17.74	N/A	N/A	N/A	N/A
780	7.80	2.07	43.23	4.00	2.88E-008	7.96E-005	9.00	27.12	0.00	0.00	0.00	56.47	15.00	129.14	0.95	0.30	4.32	177.41	0.00	1.00	3.14	0.00	129.14	5.80	83.45	0.58	17.60	N/A	N/A	N/A	N/A
781	7.81	2.06	42.47	4.00	2.89E-008	7.95E-005	9.00	26.98	0.00	0.00	0.00	56.05	15.00	128.46	0.95	0.30	4.29	176.87	0.00	1.00	3.18	0.00	128.46	5.79	82.79	0.58	17.58	N/A	N/A	N/A	N/A
782	7.82	2.02	43.98	4.00	2.47E-008	6.62E-005	9.00	26.32	0.00	0.00	0.00	56.58	15.00	125.78	0.93	0.30	4.18	177.54	0.00	1.00	3.00	0.00	125.78	6.07	84.72	0.58	17.61	N/A	N/A	N/A	N/A
783	7.83	2.00	45.69	4.00	2.19E-008	5.74E-005	9.00	25.68	0.00	0.00	0.00	57.33	15.00	124.43	0.92	0.30	4.13	178.50	0.00	1.00	2.86	0.00	124.43	6.29	86.59	0.58	17.65	N/A	N/A	N/A	N/A
784	7.84	1.99	47.48	4.00	1.99E-008	5.14E-005	9.00	25.34	0.00	0.00	0.00	58.15	15.00	123.75	0.91	0.30	4.10	179.56	0.00	1.00	2.74	0.00	123.75	6.48	88.40	0.58	17.69	N/A	N/A	N/A	N/A
785	7.85	1.99	49.28	4.00	1.86E-008	4.80E-005	9.00	25.30	0.00	0.00	0.00	59.01	15.00	123.74	0.91	0.30	4.09	180.67	0.00	1.00	2.64	0.00	123.74	6.61	90.09	0.58	17.74	N/A	N/A	N/A	N/A
786	7.86	1.99	49.28	4.00	1.85E-008	4.77E-005	9.00	25.26	0.00	0.00	0.00	59.04	15.00	123.73	0.91	0.30	4.08	180.72	0.00	1.00	2.64	0.00	123.73	6.62	90.06	0.58	17.74	N/A	N/A	N/A	N/A
787	7.87	1.99	49.41	4.00	1.84E-008	4.73E-005	9.00	25.23	0.00	0.00	0.00	59.14	15.00	123.72	0.91	0.30	4.08	180.84	0.00	1.00	2.63	0.00	123.72	6.63	90.15	0.58	17.74	N/A	N/A	N/A	N/A
788	7.88	1.99	48.75	4.00	1.87E-008	4.81E-005	9.00	25.19	0.00	0.00	0.00	58.87	15.00	123.71	0.90	0.30	4.07	180.51	0.00	1.00	2.66	0.00	123.71	6.59	89.50	0.58	17.72	N/A	N/A	N/A	N/A
789	7.89	1.99	48.11	4.00	1.91E-008	4.90E-005	9.00	25.15	0.00	0.00	0.00	58.61	15.00	123.70	0.90	0.30	4.07	180.18	0.00	1.00	2.70	0.00	123.70	6.56	88.87	0.58	17.71	N/A	N/A	N/A	N/A
790	7.90	2.00	47.39	4.00	2.00E-008	5.18E-005	9.00	25.39	0.00	0.00	0.00	58.38	15.00	124.35	0.91	0.30	4.08	179.92	0.00	1.00	2.76	0.00	124.35	6.47	88.03	0.58	17.69	N/A	N/A	N/A	N/A
791	7.91	2.00	47.39	4.00	1.99E-008	5.15E-005	9.00	25.35	0.00	0.00	0.00	58.42	15.00	124.34	0.91	0.30	4.08	179.97	0.00	1.00	2.75	0.00	124.34	6.48	88.00	0.58	17.69	N/A	N/A	N/A	N/A
792	7.92	2.00	47.39	4.00	1.99E-008	5.12E-005	9.00	25.31	0.00	0.00	0.00	58.45	15.00	124.33	0.90	0.30	4.07	180.02	0.00	1.00	2.75	0.00	124.33	6.48	87.97	0.58	17.69	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
793	7.93	1.75	39.57	3.00	1.47E-008	2.83E-005	8.00	18.95	0.00	0.00	0.00	52.67	15.00	107.63	0.78	0.30	3.52	172.16	0.00	1.00	2.86	0.00	107.63	7.09	83.16	0.58	17.43	N/A	N/A	N/A	N/A
794	7.94	1.68	38.94	3.00	1.25E-008	2.20E-005	8.00	17.31	0.00	0.00	0.00	51.79	15.00	102.95	0.75	0.30	3.36	170.88	0.00	1.00	2.78	0.00	102.95	7.43	83.29	0.58	17.40	N/A	N/A	N/A	N/A
795	7.95	1.48	38.02	3.00	7.19E-009	9.61E-006	8.00	13.10	0.00	0.00	0.00	49.56	15.00	89.61	0.65	0.30	2.92	167.53	0.00	1.00	2.47	0.00	89.61	8.67	84.52	0.58	17.32	N/A	N/A	N/A	N/A
796	7.96	1.39	39.03	3.00	5.11E-009	5.94E-006	7.00	11.38	0.00	0.00	0.00	49.20	15.00	83.59	0.61	0.30	2.72	166.88	0.00	1.00	2.25	0.00	83.59	9.52	86.47	0.28	17.33	N/A	N/A	N/A	N/A
797	7.97	1.25	40.93	3.00	2.85E-009	2.60E-006	7.00	8.97	0.00	0.00	0.00	48.63	15.00	74.24	0.54	0.30	2.42	165.85	0.00	1.00	1.90	0.00	74.24	11.13	89.68	0.30	17.34	N/A	N/A	N/A	N/A
798	7.98	1.19	43.01	3.00	2.06E-009	1.68E-006	7.00	8.02	0.00	0.00	0.00	48.89	15.00	70.23	0.51	0.30	2.28	166.12	0.00	1.00	1.71	0.00	70.23	12.12	92.19	0.31	17.38	N/A	N/A	N/A	N/A
799	7.99	1.12	46.44	3.00	1.34E-009	9.50E-007	7.00	6.97	0.00	0.00	0.00	49.52	15.00	65.55	0.47	0.30	2.13	166.87	0.00	1.00	1.48	0.00	65.55	13.52	95.93	0.34	17.45	N/A	N/A	N/A	N/A
800	8.00	1.07	52.75	3.00	9.18E-010	5.87E-007	7.00	6.28	0.00	0.00	0.00	51.41	15.00	62.22	0.45	0.30	2.02	169.39	0.00	1.00	1.24	0.00	62.22	15.15	101.89	0.38	17.58	N/A	N/A	N/A	N/A
801	8.01	1.12	53.29	3.00	1.04E-009	7.35E-007	7.00	6.96	0.00	0.00	0.00	52.32	15.00	65.55	0.47	0.30	2.12	170.74	0.00	1.00	1.29	0.00	65.55	14.42	101.99	0.38	17.61	N/A	N/A	N/A	N/A
802	8.02	1.26	54.61	3.00	1.74E-009	1.61E-006	7.00	9.07	0.00	0.00	0.00	54.64	15.00	74.88	0.54	0.30	2.42	174.13	0.00	1.00	1.44	0.00	74.88	12.65	102.07	0.39	17.68	N/A	N/A	N/A	N/A
803	8.03	1.33	55.05	3.00	2.21E-009	2.30E-006	8.00	10.22	0.00	0.00	0.00	55.68	15.00	79.54	0.57	0.30	2.57	175.62	0.00	1.00	1.52	0.00	79.54	11.89	101.83	0.40	17.71	N/A	N/A	N/A	N/A
804	8.04	1.42	55.87	3.00	2.92E-009	3.51E-006	8.00	11.80	0.00	0.00	0.00	57.06	15.00	85.53	0.61	0.30	2.76	177.58	0.00	1.00	1.61	0.00	85.53	11.06	101.69	0.40	17.75	N/A	N/A	N/A	N/A
805	8.05	1.59	57.35	3.00	4.71E-009	7.26E-006	8.00	15.11	0.00	0.00	0.00	59.50	15.00	96.86	0.69	0.30	3.12	180.97	0.00	1.00	1.77	0.00	96.86	9.74	101.27	0.41	17.82	N/A	N/A	N/A	N/A
806	8.06	1.68	57.60	3.00	6.02E-009	1.04E-005	9.00	17.02	0.00	0.00	0.00	60.54	15.00	102.84	0.74	0.30	3.31	182.41	0.00	1.00	1.87	0.00	102.84	9.11	100.50	0.41	17.85	N/A	N/A	N/A	N/A
807	8.07	1.75	57.32	3.00	7.30E-009	1.38E-005	9.00	18.57	0.00	0.00	0.00	61.14	15.00	107.50	0.77	0.30	3.45	183.25	0.00	1.00	1.97	0.00	107.50	8.64	99.46	0.58	17.86	N/A	N/A	N/A	N/A
808	8.08	1.77	55.49	3.00	8.13E-009	1.57E-005	9.00	19.00	0.00	0.00	0.00	60.59	15.00	108.82	0.78	0.30	3.49	182.59	0.00	1.00	2.06	0.00	108.82	8.38	97.60	0.58	17.83	N/A	N/A	N/A	N/A
809	8.09	1.78	53.44	3.00	8.89E-009	1.74E-005	9.00	19.21	0.00	0.00	0.00	59.84	15.00	109.48	0.78	0.30	3.51	181.67	0.00	1.00	2.15	0.00	109.48	8.18	95.63	0.58	17.79	N/A	N/A	N/A	N/A
810	8.10	1.81	49.06	3.00	1.11E-008	2.25E-005	9.00	19.89	0.00	0.00	0.00	58.20	15.00	111.47	0.79	0.30	3.57	179.63	0.00	1.00	2.39	0.00	111.47	7.67	91.27	0.58	17.69	N/A	N/A	N/A	N/A
811	8.11	1.82	46.60	3.00	1.24E-008	2.55E-005	9.00	20.09	0.00	0.00	0.00	57.19	15.00	112.12	0.80	0.30	3.58	178.35	0.00	1.00	2.53	0.00	112.12	7.43	88.81	0.58	17.64	N/A	N/A	N/A	N/A
812	8.12	1.84	44.33	3.00	1.42E-008	2.97E-005	9.00	20.55	0.00	0.00	0.00	56.32	15.00	113.44	0.80	0.30	3.62	177.26	0.00	1.00	2.69	0.00	113.44	7.15	86.37	0.58	17.58	N/A	N/A	N/A	N/A
813	8.13	1.85	40.80	4.00	1.67E-008	3.53E-005	9.00	20.76	0.00	0.00	0.00	54.71	15.00	114.10	0.81	0.30	3.64	175.17	0.00	1.00	2.94	0.00	114.10	6.82	82.74	0.58	17.49	N/A	N/A	N/A	N/A
814	8.14	1.84	38.34	4.00	1.80E-008	3.76E-005	9.00	20.49	0.00	0.00	0.00	53.41	15.00	113.42	0.80	0.30	3.61	173.45	0.00	1.00	3.11	0.00	113.42	6.67	80.32	0.58	17.42	N/A	N/A	N/A	N/A
815	8.15	1.82	35.85	4.00	1.91E-008	3.89E-005	9.00	19.98	0.00	0.00	0.00	51.98	15.00	112.07	0.79	0.30	3.57	171.51	0.00	1.00	3.28	0.00	112.07	6.56	77.92	0.49	17.34	N/A	N/A	N/A	N/A
816	8.16	1.81	35.38	4.00	1.90E-008	3.81E-005	9.00	19.71	0.00	0.00	0.00	51.68	15.00	111.40	0.79	0.30	3.54	171.10	0.00	1.00	3.31	0.00	111.40	6.57	77.51	0.47	17.32	N/A	N/A	N/A	N/A
817	8.17	1.79	34.37	4.00	1.89E-008	3.69E-005	8.00	19.22	0.00	0.00	0.00	51.01	15.00	110.05	0.78	0.30	3.49	170.17	0.00	1.00	3.36	0.00	110.05	6.58	76.63	0.44	17.28	N/A	N/A	N/A	N/A
818	8.18	1.79	32.73	4.00	2.03E-008	3.98E-005	8.00	19.19	0.00	0.00	0.00	50.14	15.00	110.04	0.78	0.30	3.49	168.99	0.00	1.00	3.53	0.00	110.04	6.44	74.82	0.38	17.22	N/A	N/A	N/A	N/A
819	8.19	1.78	31.75	4.00	2.08E-008	4.01E-005	8.00	18.93	0.00	0.00	0.00	49.54	15.00	109.36	0.77	0.30	3.46	168.16	0.00	1.00	3.62	0.00	109.36	6.40	73.82	0.35	17.19	N/A	N/A	N/A	N/A
820	8.20	1.77	30.58	4.00	2.14E-008	4.08E-005	8.00	18.67	0.00	0.00	0.00	48.83	15.00	108.68	0.76	0.30	3.44	167.17	0.00	1.00	3.73	0.00	108.68	6.34	72.60	0.32	17.14	N/A	N/A	N/A	N/A
821	8.21	1.77	30.17	4.00	2.18E-008	4.15E-005	8.00	18.65	0.00	0.00	0.00	48.62	15.00	108.67	0.76	0.30	3.43	166.88	0.00	1.00	3.78	0.00	108.67	6.30	72.11	0.30	17.13	N/A	N/A	N/A	N/A
822	8.22	1.76	29.45	4.00	2.20E-008	4.13E-005	8.00	18.40	0.00	0.00	0.00	48.15	15.00	107.99	0.76	0.30	3.41	166.22	0.00	1.00	3.85	0.00	107.99	6.29	71.38	0.29	17.10	N/A	N/A	N/A	N/A
823	8.23	1.73	28.76	4.00	2.11E-008	3.80E-005	8.00	17.69	0.00	0.00	0.00	47.54	15.00	105.98	0.74	0.30	3.34	165.33	0.00	1.00	3.87	0.00	105.98	6.37	70.90	0.27	17.06	N/A	N/A	N/A	N/A
824	8.24	1.69	28.69	4.00	1.89E-008	3.24E-005	8.00	16.79	0.00	0.00	0.00	47.21	15.00	103.30	0.72	0.30	3.25	164.80	0.00	1.00	3.78	0.00	103.30	6.57	71.23	0.28	17.05	N/A	N/A	N/A	N/A
825	8.25	1.65	28.69	4.00	1.69E-008	2.74E-005	8.00	15.91	0.00	0.00	0.00	46.91	15.00	100.62	0.70	0.30	3.16	164.32	0.00	1.00	3.68	0.00	100.62	6.80	71.65	0.29	17.04	N/A	N/A	N/A	N/A
826	8.26	1.60	28.57	4.00	1.47E-008	2.23E-005	8.00	14.85	0.00	0.00	0.00	46.45	15.00	97.28	0.68	0.30	3.05	163.59	0.00	1.00	3.58	0.00	97.28	7.08	72.03	0.30	17.02	N/A	N/A	N/A	N/A
827	8.27	1.56	28.31	4.00	1.33E-008	1.90E-005	8.00	14.03	0.00	0.00	0.00	45.98	15.00	94.60	0.66	0.30	2.97	162.87	0.00	1.00	3.51	0.00	94.60	7.30	72.13	0.30	17.00	N/A	N/A	N/A	N/A
828	8.28	1.51	27.71	3.00	1.18E-008	1.56E-005	7.00	13.04	0.00	0.00	0.00	45.23	15.00	91.25	0.64	0.30	2.86	161.70	0.00	1.00	3.46	0.00	91.25	7.55	71.93	0.30	16.97	N/A	N/A	N/A	N/A
829	8.29	1.47	27.30	3.00	1.06E-008	1.33E-005	7.00	12.27	0.00	0.00	0.00	44.66	15.00	88.58	0.62	0.30	2.77	160.82	0.00	1.00	3.41	0.00	88.58	7.78	71.84	0.30	16.94	N/A	N/A	N/A	N/A
830	8.30	1.44	27.02	3.00	9.77E-009	1.17E-005	7.00	11.71	0.00	0.00	0.00	44.25	15.00	86.57	0.60	0.30	2.70	160.17	0.00	1.00	3.36	0.00	86.57	7.96	71.79	0.30	16.92	N/A	N/A	N/A	N/A
831	8.31	1.39	25.85	3.00	8.86E-009	9.76E-006	7.00	10.81	0.00	0.00	0.00	43.13	15.00	83.22	0.58	0.30	2.60	158.44	0.00	1.00	3.38	0.00	83.22	8.18	70.86	0.27	16.86	N/A	N/A	N/A	N/A
832	8.32	1.38	25.38	3.00	8.78E-009	9.51E-006	7.00	10.62	0.00	0.00	0.00	42.79	15.00	82.54	0.57	0.30	2.57	157.91	0.00	1.00	3.41	0.00	82.54	8.20	70.36	0.26	16.83	N/A	N/A	N/A	N/A
833	8.33	1.36	24.34	3.00	8.73E-009	9.14E-006	7.00	10.26	0.00	0.00	0.00	42.00	15.00	81.20	0.56	0.30	2.53	156.71	0.00	1.00	3.50	0.00	81.20	8.22	69.25	0.24	16.78	N/A	N/A	N/A	N/A
834	8.34	1.36	23.90	3.00	8.95E-009	9.35E-006	7.00	10.25	0.00	0.00	0.00	41.75	15.00	81.19	0.56	0.30	2.52	156.35	0.00	1.00	3.57	0.00	81.19	8.16	68.68	0.23	16.76	N/A	N/A	N/A	N/A
835	8.35	1.37	23.02	3.00	9.78E-009	1.04E-005	7.00	10.40	0.00	0.00	0.00	41.32	15.00	81.84	0.56	0.30	2.54	155.72	0.00	1.00	3.73	0.00	81.84	7.96	67.45	0.21	16.72	N/A	N/A	N/A	N/A
836	8.36	1.38	22.51	3.00	1.04E-008	1.12E-005	7.00	10.56	0.00	0.00	0.00	41.11	15.00	82.50	0.57	0.30	2.56	155.44	0.00	1.00	3.85	0.00	82.50	7.81	66.68	0.19	16.69	N/A	N/A	N/A	N/A
837	8.37	1.40	22.17	4.00	1.14E-008	1.26E-005	7.00	10.89	0.00	0.00	0.00	41.10	15.00	83.82	0.58	0.30	2.60	155.46	0.00	1.00	3.97	0.00	83.82	7.63	66.03	0.18	16.68	N/A	N/A	N/A	N/A
838	8.38	1.44	21.35	4.00	1.37E-008	1.61E-005	7.00	11.58	0.00	0.00	0.00	40.93	15.00	86.48	0.59	0.30	2.68	155.30	0.00	1.00	4.25	0.00	86.48	7.23	64.55	0.16	16.65	N/A	N/A	N/A	N/A
839	8.39	1.45	21.16	4.00	1.42E-008	1.70E-005	7.00	11.74	0.00	0.00	0.00	40.92	15.00	87.13	0.60	0.30	2.69	155.30	0.00	1.00	4.32	0.00	87.13	7.15	64.18	0.16	16.64	N/A	N/A	N/A	N/A
840	8.40	1.47	20.97	4.00	1.53E-008	1.89E-005	7.00	12.08	0.00	0.00	0.00	40.98	15.00	88.46	0.61	0.30	2.73	155.45	0.00	1.00	4.43	0.00	88.46	7.00	63.71	0.15	16.64	N/A	N/A	N/A	N/A
841	8.41	1.50	20.84	4.00	1.69E-008	2.17E-005	7.00	12.62	0.00	0.00	0.00	41.16	15.00	90.44	0.62	0.30	2.79	155.79	0.00	1.00	4.56	0.00	90.44	6.80	63.23	0.15	16.64	N/A	N/A	N/A	N/A
842	8.42	1.50	20.94	4.00	1.67E-008	2.15E-005	7.00	12.60	0.00	0.00	0.00	41.25	15.00	90.43	0.62	0.30	2.79	155.93	0.00	1.00	4.53	0.00	90.43	6.82	63.34	0.15	16.64	N/A	N/A	N/A	N/A
843	8.43	1.51	21.19	4.00	1.69E-008	2.20E-005	7.00	12.77	0.00	0.00	0.00	41.52	15.00	91.09	0.62	0.30	2.80	156.37	0.00	1.00	4.51	0.00	91.09	6.80	63.56	0.15	16.66	N/A	N/A	N/A	N/A
844	8.44	1.50	21.69	4.00	1.58E-008	2.02E-005	7.00	12.57	0.00	0.00	0.00	41.79	15.00	90.41	0.62	0.30	2.78	156.76	0.00	1.00	4.38	0.00	90.41	6.94	64.30	0.16	16.68	N/A	N/A	N/A	N/A
845	8.45	1.51	22.54	4.00	1.53E-008	1.98E-005	7.00	12.73	0.00	0.00	0.00	42.45	15.00	91.07	0.62	0.30	2.80	157.77	0.00	1.00	4.24	0.00	91.07	7.00	65.28	0.17	16.73	N/A	N/A	N/A	N/A
846	8.46	1.51	23.27	4.00	1.45E-008	1.88E-005	7.00	12.72	0.00	0.00	0.00	42.94	15.00	91.06	0.62	0.30	2.79	158.50	0.00	1.00	4.11	0.00	91.06	7.11	66.19	0.19	16.77	N/A	N/A	N/A	N/A
847	8.47	1.52	23.43	4.00	1.47E-008	1.94E-005	7.00	12.89	0.00	0.00	0.00	43.15	15.00	91.71	0.62	0.30	2.81	158.84	0.00	1.00	4.11	0.00	91.71	7.08	66.28	0.19	16.78	N/A	N/A	N/A	N/A
848	8.48	1.51	23.58	4.00	1.41E-008	1.82E-005	7.00	12.68	0.00	0.00	0.00	43.18	15.00	91.03	0.62	0.30	2.79	158.88	0.00	1.00	4.05	0.00	91.03	7.17	66.55	0.19	16.78	N/A	N/A	N/A	N/A
849	8.49	1.46	24.03	4.00	1.17E-008	1.40E-005	7.00	11.75	0.00	0.00	0.00	43.05	15.00	87.69	0.60	0.30	2.68	158.60	0.00	1.00	3.83	0.00	87.69	7.56	67.59	0.21	16.79	N/A	N/A	N/A	N/A
850	8.50	1.45	24.34	3.00	1.11E-008	1.30E-005	7.00	11.56	0.00	0.00	0.00	43.18	15.00	87.01	0.59	0.30	2.66	158.78	0.00	1.00	3.75	0.00	87.01	7.68	68.06	0.22	16.80	N/A	N/A	N/A	N/A
851	8.51	1.43	24.62	3.00	1.02E-008	1.16E-005	7.00	11.19	0.00	0.00	0.00	43.20	15.00	85.66	0.58	0.30	2.61	158.77	0.00	1.00	3.65	0.00	85.66	7.87	68.58	0.23	16.81	N/A	N/A	N/A	N/A
852	8.52	1.39	24.94	3.00	8.70E-009	9.30E-006	7.00	10.49	0.00	0.00	0.00	43.05	15.00	82.99	0.56	0.30	2.53	158.48	0.00	1.00	3.49	0.00	82.99	8.23	69.33	0.24	16.81	N/A	N/A	N/A	N/A
853	8.53	1.37	25.07	3.00	8.04E-009	8.31E-006	7.00	10.14	0.00	0.00	0.00	42.96	15.00	81.64	0.55	0.30	2.48	158.32	0.00	1.00	3.42	0.00	81.64	8.41	69.66	0.25	16.82	N/A	N/A	N/A	N/A
854	8.54	1.35	26.30	3.00	6.93E-009	6.93E-006	7.00	9.80	0.00	0.00	0.00	43.53	15.00	80.30	0.54	0.30	2.44	159.12	0.00	1.00	3.21	0.00	80.30	8.76	71.30	0.28	16.86	N/A	N/A	N/A	N/A
855	8.55	1.36	26.96	3.00	6.88E-009	6.97E-006	7.00	9.95	0.00	0.00	0.00	44.03	15.00	80.95	0.55	0.30	2.46	159.89	0.00	1.00	3.15	0.00	80.95	8.78	71.96	0.30	16.90	N/A	N/A	N/A	N/A
856	8.56	1.38	28.35	3.00	6.77E-009	7.08E-006	7.00	10.27	0.00	0.00	0.00	45.04	15.00	82.27	0.55	0.30	2.50	161.41	0.00	1.00	3.05	0.00	82.27	8.82	73.36	0.19	16.96	N/A	N/A	N/A	N/A
857	8.57	1.39	29.29	3.00	6.62E-009	7.03E-006	7.00	10.42	0.00	0.00	0.00	45.69	15.00	82.93	0.56	0.30	2.51	162.38	0.00	1.00	2.97	0.00	82.93	8.87	74.32	0.20	17.00	N/A	N/A	N/A	N/A
858	8.58	1.42	29.67	3.00	7.14E-009	7.94E-006	7.00	10.91	0.00	0.00	0.00	46.22	15.00	84.92	0.57	0.30	2.57	163.20	0.00	1.00	3.01	0.00	84.92	8.69	74.44	0.37	17.02	N/A	N/A	N/A	N/A

GeoDeep
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	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
859	8.59	1.46	29.73	3.00	8.08E-009	9.54E-006	7.00	11.59	0.00	0.00	0.00	46.65	15.00	87.58	0.59	0.30	2.65	163.90	0.00	1.00	3.09	0.00	87.58	8.40	74.11	0.36	17.04	N/A	N/A	N/A	N/A
860	8.60	1.46	29.45	3.00	8.17E-009	9.64E-006	7.00	11.57	0.00	0.00	0.00	46.51	15.00	87.56	0.59	0.30	2.64	163.72	0.00	1.00	3.12	0.00	87.56	8.37	73.77	0.35	17.02	N/A	N/A	N/A	N/A
861	8.61	1.45	29.04	3.00	8.07E-009	9.36E-006	7.00	11.38	0.00	0.00	0.00	46.21	15.00	86.89	0.58	0.30	2.62	163.27	0.00	1.00	3.14	0.00	86.89	8.40	73.38	0.34	17.01	N/A	N/A	N/A	N/A
862	8.62	1.45	29.13	3.00	8.00E-009	9.27E-006	7.00	11.37	0.00	0.00	0.00	46.29	15.00	86.88	0.58	0.30	2.62	163.39	0.00	1.00	3.13	0.00	86.88	8.42	73.46	0.34	17.01	N/A	N/A	N/A	N/A
863	8.63	1.45	29.70	3.00	7.73E-009	8.94E-006	7.00	11.35	0.00	0.00	0.00	46.63	15.00	86.86	0.58	0.30	2.61	163.89	0.00	1.00	3.07	0.00	86.86	8.50	74.08	0.36	17.03	N/A	N/A	N/A	N/A
864	8.64	1.47	30.55	3.00	7.84E-009	9.34E-006	7.00	11.69	0.00	0.00	0.00	47.32	15.00	88.19	0.59	0.30	2.65	164.91	0.00	1.00	3.03	0.00	88.19	8.47	74.81	0.38	17.07	N/A	N/A	N/A	N/A
865	8.65	1.48	31.37	3.00	7.73E-009	9.33E-006	8.00	11.85	0.00	0.00	0.00	47.89	15.00	88.84	0.59	0.30	2.67	165.74	0.00	1.00	2.97	0.00	88.84	8.50	75.59	0.40	17.10	N/A	N/A	N/A	N/A
866	8.66	1.54	31.69	3.00	9.11E-009	1.20E-005	8.00	12.92	0.00	0.00	0.00	48.65	15.00	92.83	0.62	0.30	2.78	166.92	0.00	1.00	3.08	0.00	92.83	8.12	75.34	0.40	17.13	N/A	N/A	N/A	N/A
867	8.67	1.46	31.03	3.00	7.33E-009	8.56E-006	7.00	11.46	0.00	0.00	0.00	47.56	15.00	87.49	0.58	0.30	2.62	165.26	0.00	1.00	2.96	0.00	87.49	8.63	75.36	0.40	17.08	N/A	N/A	N/A	N/A
868	8.68	1.43	32.66	3.00	6.10E-009	6.79E-006	7.00	10.93	0.00	0.00	0.00	48.19	15.00	85.47	0.57	0.30	2.56	166.09	0.00	1.00	2.75	0.00	85.47	9.08	77.38	0.22	17.14	N/A	N/A	N/A	N/A
869	8.69	1.40	33.55	3.00	5.26E-009	5.58E-006	7.00	10.41	0.00	0.00	0.00	48.39	15.00	83.46	0.55	0.30	2.49	166.32	0.00	1.00	2.61	0.00	83.46	9.45	78.56	0.22	17.16	N/A	N/A	N/A	N/A
870	8.70	1.39	34.37	3.00	4.87E-009	5.08E-006	7.00	10.23	0.00	0.00	0.00	48.74	15.00	82.78	0.55	0.30	2.47	166.81	0.00	1.00	2.53	0.00	82.78	9.65	79.48	0.23	17.18	N/A	N/A	N/A	N/A
871	8.71	1.40	34.65	3.00	4.96E-009	5.24E-006	7.00	10.38	0.00	0.00	0.00	49.01	15.00	83.44	0.55	0.30	2.49	167.21	0.00	1.00	2.53	0.00	83.44	9.61	79.66	0.23	17.20	N/A	N/A	N/A	N/A
872	8.72	1.42	34.97	3.00	5.20E-009	5.67E-006	8.00	10.70	0.00	0.00	0.00	49.40	15.00	84.76	0.56	0.30	2.52	167.80	0.00	1.00	2.55	0.00	84.76	9.48	79.78	0.23	17.21	N/A	N/A	N/A	N/A
873	8.73	1.43	35.50	3.00	5.22E-009	5.78E-006	8.00	10.85	0.00	0.00	0.00	49.80	15.00	85.42	0.56	0.30	2.54	168.38	0.00	1.00	2.53	0.00	85.42	9.47	80.21	0.23	17.23	N/A	N/A	N/A	N/A
874	8.74	1.45	36.48	3.00	5.31E-009	6.05E-006	8.00	11.18	0.00	0.00	0.00	50.53	15.00	86.74	0.57	0.30	2.58	169.43	0.00	1.00	2.50	0.00	86.74	9.43	81.00	0.24	17.27	N/A	N/A	N/A	N/A
875	8.75	1.46	37.30	3.00	5.26E-009	6.08E-006	8.00	11.33	0.00	0.00	0.00	51.07	15.00	87.39	0.58	0.30	2.59	170.19	0.00	1.00	2.46	0.00	87.39	9.45	81.70	0.25	17.30	N/A	N/A	N/A	N/A
876	8.76	1.47	38.25	3.00	5.19E-009	6.08E-006	8.00	11.49	0.00	0.00	0.00	51.68	15.00	88.05	0.58	0.30	2.61	171.04	0.00	1.00	2.42	0.00	88.05	9.48	82.53	0.25	17.33	N/A	N/A	N/A	N/A
877	8.77	1.48	39.95	3.00	4.96E-009	5.89E-006	8.00	11.65	0.00	0.00	0.00	52.65	15.00	88.71	0.58	0.30	2.63	172.38	0.00	1.00	2.33	0.00	88.71	9.60	84.06	0.26	17.38	N/A	N/A	N/A	N/A
878	8.78	1.48	40.64	3.00	4.80E-009	5.70E-006	8.00	11.63	0.00	0.00	0.00	53.01	15.00	88.69	0.58	0.30	2.62	172.87	0.00	1.00	2.29	0.00	88.69	9.69	84.70	0.27	17.40	N/A	N/A	N/A	N/A
879	8.79	1.51	40.99	3.00	5.19E-009	6.42E-006	8.00	12.15	0.00	0.00	0.00	53.51	15.00	90.68	0.60	0.30	2.68	173.60	0.00	1.00	2.32	0.00	90.68	9.49	84.73	0.27	17.42	N/A	N/A	N/A	N/A
880	8.80	1.52	41.68	3.00	5.18E-009	6.50E-006	8.00	12.31	0.00	0.00	0.00	53.97	15.00	91.34	0.60	0.30	2.70	174.24	0.00	1.00	2.30	0.00	91.34	9.49	85.27	0.27	17.44	N/A	N/A	N/A	N/A
881	8.81	1.53	42.41	3.00	5.17E-009	6.57E-006	8.00	12.47	0.00	0.00	0.00	54.45	15.00	91.99	0.60	0.30	2.71	174.90	0.00	1.00	2.28	0.00	91.99	9.50	85.84	0.28	17.46	N/A	N/A	N/A	N/A
882	8.82	1.55	43.23	3.00	5.30E-009	6.92E-006	8.00	12.82	0.00	0.00	0.00	55.08	15.00	93.32	0.61	0.30	2.75	175.76	0.00	1.00	2.27	0.00	93.32	9.43	86.39	0.28	17.49	N/A	N/A	N/A	N/A
883	8.83	1.55	43.29	3.00	5.27E-009	6.87E-006	8.00	12.80	0.00	0.00	0.00	55.13	15.00	93.30	0.61	0.30	2.74	175.84	0.00	1.00	2.26	0.00	93.30	9.45	86.42	0.28	17.49	N/A	N/A	N/A	N/A
884	8.84	1.56	43.51	3.00	5.36E-009	7.09E-006	8.00	12.97	0.00	0.00	0.00	55.36	15.00	93.96	0.61	0.30	2.76	176.17	0.00	1.00	2.27	0.00	93.96	9.40	86.50	0.28	17.50	N/A	N/A	N/A	N/A
885	8.85	1.56	43.83	3.00	5.28E-009	6.97E-006	8.00	12.95	0.00	0.00	0.00	55.54	15.00	93.95	0.61	0.30	2.76	176.42	0.00	1.00	2.25	0.00	93.95	9.44	86.77	0.29	17.51	N/A	N/A	N/A	N/A
886	8.86	1.56	43.92	3.00	5.24E-009	6.91E-006	8.00	12.93	0.00	0.00	0.00	55.61	15.00	93.94	0.61	0.30	2.75	176.52	0.00	1.00	2.25	0.00	93.94	9.46	86.82	0.29	17.51	N/A	N/A	N/A	N/A
887	8.87	1.56	44.27	3.00	5.15E-009	6.78E-006	8.00	12.91	0.00	0.00	0.00	55.81	15.00	93.92	0.61	0.30	2.75	176.78	0.00	1.00	2.23	0.00	93.92	9.50	87.11	0.29	17.52	N/A	N/A	N/A	N/A
888	8.88	1.58	44.46	3.00	5.41E-009	7.32E-006	8.00	13.26	0.00	0.00	0.00	56.13	15.00	95.25	0.62	0.30	2.79	177.23	0.00	1.00	2.25	0.00	95.25	9.38	87.07	0.29	17.53	41.40	1.10	12.40	0.52
889	8.89	1.58	44.77	3.00	5.34E-009	7.21E-006	8.00	13.25	0.00	0.00	0.00	56.28	15.00	95.23	0.62	0.30	2.78	177.44	0.00	1.00	2.23	0.00	95.23	9.41	87.34	0.29	17.54	41.31	1.09	12.41	0.52
890	8.90	1.60	45.15	3.00	5.57E-009	7.73E-006	8.00	13.62	0.00	0.00	0.00	56.68	15.00	96.56	0.63	0.30	2.82	177.98	0.00	1.00	2.25	0.00	96.56	9.31	87.49	0.29	17.55	41.17	1.09	12.43	0.52
891	8.91	1.60	45.15	3.00	5.56E-009	7.71E-006	8.00	13.61	0.00	0.00	0.00	56.69	15.00	96.54	0.63	0.30	2.82	178.00	0.00	1.00	2.25	0.00	96.54	9.31	87.48	0.29	17.55	41.17	1.09	12.43	0.52
892	8.92	1.60	45.15	3.00	5.55E-009	7.69E-006	8.00	13.60	0.00	0.00	0.00	56.70	15.00	96.53	0.63	0.30	2.82	178.02	0.00	1.00	2.24	0.00	96.53	9.32	87.47	0.29	17.55	41.17	1.09	12.43	0.52
893	8.93	2.09	39.95	4.00	2.33E-008	5.78E-005	10.00	24.34	0.00	0.00	0.00	58.42	15.00	129.19	0.84	0.30	3.77	180.89	0.00	1.00	3.40	0.00	129.19	6.18	77.65	0.48	17.51	41.56	1.10	12.37	0.52
894	8.94	2.09	40.89	4.00	2.24E-008	5.54E-005	10.00	24.33	0.00	0.00	0.00	58.93	15.00	129.18	0.84	0.30	3.77	181.54	0.00	1.00	3.32	0.00	129.18	6.26	78.54	0.52	17.54	41.29	1.09	12.41	0.52
895	8.95	2.09	42.16	4.00	2.12E-008	5.26E-005	10.00	24.31	0.00	0.00	0.00	59.60	15.00	129.17	0.84	0.30	3.76	182.40	0.00	1.00	3.22	0.00	129.17	6.36	79.74	0.57	17.57	40.93	1.08	12.47	0.52
896	8.96	2.11	46.03	4.00	1.91E-008	4.82E-005	10.00	24.80	0.00	0.00	0.00	61.75	15.00	130.49	0.84	0.30	3.80	185.10	0.00	1.00	2.98	0.00	130.49	6.56	83.09	0.58	17.68	39.88	1.06	12.64	0.51
897	8.97	2.13	48.08	4.00	1.85E-008	4.76E-005	10.00	25.29	0.00	0.00	0.00	62.94	15.00	131.82	0.85	0.30	3.84	186.59	0.00	1.00	2.88	0.00	131.82	6.62	84.71	0.58	17.73	39.35	1.04	12.73	0.51
898	8.98	2.16	52.37	4.00	1.70E-008	4.50E-005	10.00	26.04	0.00	0.00	0.00	65.26	15.00	133.81	0.87	0.30	3.89	189.45	0.00	1.00	2.68	0.00	133.81	6.79	88.13	0.58	17.84	38.36	1.02	12.89	0.50
899	8.99	2.18	54.23	3.00	1.66E-008	4.50E-005	10.00	26.55	0.00	0.00	0.00	66.31	15.00	135.13	0.87	0.30	3.93	190.73	0.00	1.00	2.62	0.00	135.13	6.83	89.49	0.58	17.88	37.95	1.01	12.96	0.50
900	9.00	2.21	55.81	3.00	1.68E-008	4.68E-005	10.00	27.32	0.00	0.00	0.00	67.30	15.00	137.12	0.89	0.30	3.99	191.95	0.00	1.00	2.58	0.00	137.12	6.81	90.48	0.58	17.92	37.59	1.00	13.02	0.50
901	9.01	2.28	58.33	4.00	1.79E-008	5.32E-005	11.00	29.19	0.00	0.00	0.00	69.04	15.00	141.77	0.92	0.30	4.12	194.08	0.00	1.00	2.55	0.00	141.77	6.69	91.80	0.58	17.98	37.01	0.98	13.12	0.50
902	9.02	2.32	59.50	4.00	1.86E-008	5.75E-005	11.00	30.28	0.00	0.00	0.00	69.91	15.00	144.43	0.93	0.30	4.19	195.14	0.00	1.00	2.55	0.00	144.43	6.60	92.31	0.58	18.01	36.74	0.97	13.17	0.49
903	9.03	2.37	60.13	4.00	2.01E-008	6.37E-005	11.00	31.03	0.00	0.00	0.00	70.62	15.00	147.75	0.95	0.30	4.29	196.01	0.00	1.00	2.58	0.00	147.75	6.46	92.26	0.58	18.03	36.56	0.97	13.20	0.49
904	9.04	2.36	58.42	4.00	2.07E-008	6.53E-005	11.00	30.88	0.00	0.00	0.00	69.78	15.00	147.07	0.95	0.30	4.27	195.03	0.00	1.00	2.64	0.00	147.07	6.40	90.97	0.58	18.00	36.87	0.98	13.15	0.49
905	9.05	2.33	57.26	4.00	2.02E-008	6.28E-005	11.00	30.46	0.00	0.00	0.00	69.02	15.00	145.06	0.93	0.30	4.20	194.12	0.00	1.00	2.66	0.00	145.06	6.45	90.34	0.58	17.97	37.13	0.98	13.10	0.50
906	9.06	2.25	56.69	3.00	1.75E-008	5.06E-005	11.00	28.28	0.00	0.00	0.00	68.12	15.00	139.71	0.90	0.30	4.05	192.98	0.00	1.00	2.59	0.00	139.71	6.72	90.72	0.58	17.94	37.36	0.99	13.06	0.50
907	9.07	2.07	55.30	3.00	1.25E-008	3.01E-005	10.00	23.61	0.00	0.00	0.00	65.98	15.00	127.70	0.82	0.30	3.70	190.24	0.00	1.00	2.42	0.00	127.70	7.42	91.46	0.58	17.88	37.92	1.00	12.97	0.50
908	9.08	1.97	54.45	3.00	1.02E-008	2.21E-005	10.00	21.19	0.00	0.00	0.00	64.72	15.00	121.02	0.78	0.30	3.50	188.61	0.00	1.00	2.33	0.00	121.02	7.86	91.77	0.58	17.85	38.27	1.01	12.91	0.50
909	9.09	1.79	51.84	3.00	7.14E-009	1.25E-005	9.00	17.19	0.00	0.00	0.00	61.87	15.00	109.01	0.70	0.30	3.15	184.90	0.00	1.00	2.21	0.00	109.01	8.69	91.34	0.58	17.75	39.16	1.04	12.76	0.51
910	9.10	1.72	50.07	3.00	6.29E-009	1.01E-005	9.00	15.73	0.00	0.00	0.00	60.39	15.00	104.33	0.67	0.30	3.02	182.97	0.00	1.00	2.19	0.00	104.33	9.00	90.48	0.32	17.70	39.70	1.05	12.67	0.51
911	9.11	1.65	47.80	3.00	5.61E-009	8.21E-006	9.00	14.35	0.00	0.00	0.00	58.67	15.00	99.65	0.64	0.30	2.88	180.68	0.00	1.00	2.19	0.00	99.65	9.29	89.14	0.31	17.63	40.38	1.07	12.56	0.52
912	9.12	1.53	44.65	3.00	4.42E-009	5.47E-006	8.00	12.13	0.00	0.00	0.00	55.98	15.00	91.63	0.59	0.30	2.65	177.04	0.00	1.00	2.15	0.00	91.63	9.91	87.38	0.29	17.52	41.47	1.10	12.39	0.52
913	9.13	1.46	43.54	3.00	3.70E-009	4.11E-006	8.00	10.91	0.00	0.00	0.00	54.73	15.00	86.95	0.56	0.30	2.51	175.28	0.00	1.00	2.10	0.00	86.95	10.39	86.95	0.28	17.47	41.96	1.11	12.31	0.53
914	9.14	1.40	42.06	3.00	3.21E-009	3.25E-006	8.00	9.92	0.00	0.00	0.00	53.39	15.00	82.94	0.53	0.30	2.39	173.39	0.00	1.00	2.07	0.00	82.94	10.79	86.07	0.27	17.42	42.54	1.13	12.22	0.53
915	9.15	1.30	38.81	3.00	2.57E-009	2.19E-006	7.00	8.38	0.00	0.00	0.00	50.70	15.00	76.21	0.49	0.30	2.20	169.57	0.00	1.00	2.06	0.00	76.21	11.43	83.77	0.25	17.30	43.84	1.16	12.03	0.54
916	9.16	1.25	37.46	3.00	2.25E-009	1.75E-006	7.00	7.64	0.00	0.00	0.00	49.47	15.00	72.82	0.47	0.30	2.10	167.77	0.00	1.00	2.04	0.00	72.82	11.84	82.82	0.24	17.24	44.45	1.18	11.94	0.54
917	9.17	1.21	36.35	3.00	2.02E-009	1.45E-006	7.00	7.08	0.00	0.00	0.00	48.46	15.00	70.11	0.45	0.30	2.02	166.27	0.00	1.00	2.03	0.00	70.11	12.18	82.00	0.23	17.19	44.98	1.19	11.86	0.54
918	9.18	1.11	34.87	3.00	1.41E-009	8.30E-007	7.00	5.78	0.00	0.00	0.00	46.50	15.00	63.36	0.41	0.30	1.82	163.26	0.00	1.00	1.91	0.00	63.36	13.34	81.16	0.22	17.11	45.90	1.22	11.73	0.55
919	9.19	1.07	34.24	3.00	1.21E-009	6.51E-007	6.00	5.29	0.00	0.00	0.00	45.68	15.00	60.64	0.39	0.30	1.75	161.98	0.00	1.00	1.86	0.00	60.64	13.88	80.75	0.22	17.08	46.31	1.23	11.67	0.55
920	9.20	0.98	32.66	3.00	9.13E-010	3.99E-007	6.00	4.29	0.00	0.00	0.00	43.70	15.00	54.60	0.35	0.30	1.57	158.85	0.00	1.00	1.76	0.00	54.60	15.20	79.58	0.21	16.99	47.34	1.25	11.53	0.56
921	9.21	0.95	31.97	3.00	8.64E-010	3.50E-007	6.00	3.98	0.00	0.00	0.00	42.95	15.00	52.58	0.34	0.30	1.51	157.64	0.00	1.00	1.73	0.00	52.58	15.67	79.00	0.20	16.95	47.77	1.27	11.47	0.56
922	9.22	0.89	31.15	3.00	7.57E-010	2.62E-007	6.00	3.39	0.00	0.00	0.00	41.68	15.00	48.56	0.31	0.30	1.40	155.56	0.00	1.00	1.64	0.00	48.56	16.84	78.36	0.20	16.90	48.44	1.28	11.38	0.56
923	9.23	0.85	30.74	3.00	6.86E-010	2.12E-007	6.00	3.03	0.00	0.00	0.00	40.89	15.00	45.89	0.29	0.30	1.32	154.22	0.00	1.00	1.57	0.00	45.89	17.76	78.05	0.20	16.87	48.84	1.29	11.33	0.56
924	9.24	0.83	30.87	3.00	6.46E-010	1.88E-007	6.00	2.85	0.00	0.00	0.00	40.65	15.00	44.55	0.28	0.30	1.28	153.79	0.00	1.00	1.52	0.00	44.55	18.34	78.23	0.20	16.86	48.89	1.30	11.32	0.56

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
925	9.25	0.90	31.78	3.00	7.63E-010	2.70E-007	6.00	3.48	0.00	0.00	0.00	42.16	15.00	49.21	0.31	0.30	1.41	156.33	0.00	1.00	1.63	0.00	49.21	16.76	78.94	0.20	16.93	48.11	1.27	11.43	0.56
926	9.26	0.96	32.51	3.00	8.69E-010	3.60E-007	6.00	4.06	0.00	0.00	0.00	43.39	15.00	53.20	0.34	0.30	1.53	158.35	0.00	1.00	1.72	0.00	53.20	15.61	79.44	0.21	16.98	47.50	1.26	11.51	0.56
927	9.27	1.06	32.70	3.00	1.22E-009	6.39E-007	6.00	5.14	0.00	0.00	0.00	44.83	15.00	59.85	0.38	0.30	1.72	160.74	0.00	1.00	1.92	0.00	59.85	13.83	79.15	0.21	17.02	46.97	1.24	11.58	0.55
928	9.28	1.25	32.35	3.00	2.78E-009	2.13E-006	7.00	7.53	0.00	0.00	0.00	46.93	15.00	72.47	0.46	0.30	2.08	164.21	0.00	1.00	2.35	0.00	72.47	11.21	77.60	0.21	17.07	46.37	1.23	11.66	0.55
929	9.29	1.34	32.10	3.00	3.92E-009	3.52E-006	7.00	8.82	0.00	0.00	0.00	47.78	15.00	78.45	0.50	0.30	2.25	165.61	0.00	1.00	2.57	0.00	78.45	10.23	76.66	0.20	17.09	46.17	1.22	11.69	0.55
930	9.30	1.52	32.13	3.00	7.08E-009	8.44E-006	8.00	11.70	0.00	0.00	0.00	49.60	15.00	90.38	0.58	0.30	2.59	168.50	0.00	1.00	2.95	0.00	90.38	8.71	75.18	0.39	17.14	45.61	1.21	11.77	0.55
931	9.31	1.63	32.63	3.00	9.56E-009	1.33E-005	8.00	13.67	0.00	0.00	0.00	50.92	15.00	97.71	0.62	0.30	2.80	170.50	0.00	1.00	3.14	0.00	97.71	8.01	74.69	0.38	17.18	45.10	1.20	11.84	0.54
932	9.32	1.79	32.98	4.00	1.45E-008	2.48E-005	9.00	16.80	0.00	0.00	0.00	52.53	15.00	108.37	0.69	0.30	3.10	172.94	0.00	1.00	3.45	0.00	108.37	7.11	73.51	0.34	17.23	44.56	1.18	11.92	0.54
933	9.33	2.17	34.15	4.00	3.33E-008	8.69E-005	10.00	25.63	0.00	0.00	0.00	56.01	15.00	133.42	0.85	0.30	3.84	177.99	0.00	1.00	4.10	0.00	133.42	5.55	71.03	0.28	17.35	43.33	1.15	12.10	0.53
934	9.34	2.41	34.05	4.00	5.52E-008	1.77E-004	10.00	31.37	0.00	0.00	0.00	57.34	15.00	149.37	0.95	0.30	4.35	179.89	0.00	1.00	4.61	0.00	149.37	4.73	68.66	0.23	17.38	42.93	1.14	12.16	0.53
935	9.35	2.78	33.93	4.00	1.09E-007	4.07E-004	11.00	36.54	0.00	0.00	0.00	59.20	15.00	174.01	1.10	0.30	5.15	182.51	0.00	1.00	5.38	0.00	174.01	3.80	65.16	0.17	17.43	42.39	1.12	12.24	0.53
936	9.36	2.91	34.78	4.00	1.30E-007	5.09E-004	11.00	38.36	0.00	0.00	0.00	60.38	15.00	182.67	1.16	0.30	5.43	184.09	0.00	1.00	5.51	0.00	182.67	3.58	64.86	0.17	17.48	41.91	1.11	12.32	0.53
937	9.37	3.02	35.53	4.00	1.49E-007	6.07E-004	12.00	39.90	0.00	0.00	0.00	61.39	15.00	189.99	1.21	0.30	5.66	185.41	0.00	1.00	5.61	0.00	189.99	3.43	64.64	0.16	17.52	41.51	1.10	12.38	0.52
938	9.38	3.18	36.64	5.00	1.81E-007	7.76E-004	12.00	42.14	24.00	31.77	53.31	62.84	0.00	0.00	0.00	0.30	0.00	187.29	-0.04	0.00	0.00	0.00	97.68	3.22	64.38	0.16	17.57	40.95	1.09	12.47	0.52
939	9.39	3.30	36.01	5.00	2.21E-007	9.87E-004	12.00	43.82	24.00	31.61	53.45	62.98	0.00	0.00	0.00	0.30	0.00	187.54	-0.03	0.00	0.00	0.00	97.13	3.01	62.92	0.14	17.57	41.00	1.09	12.46	0.52
940	9.40	3.43	36.70	5.00	2.56E-007	1.19E-003	13.00	45.63	25.00	31.58	54.20	63.99	0.00	0.00	0.00	0.30	0.00	188.84	-0.03	0.00	0.00	0.00	97.05	2.87	62.61	0.14	17.60	40.63	1.08	12.52	0.52
941	9.41	3.76	40.42	5.00	3.34E-007	1.71E-003	13.00	50.25	26.00	31.69	56.88	67.71	0.00	0.00	0.00	0.30	0.00	193.45	-0.04	0.00	0.00	0.00	97.50	2.63	63.59	0.15	17.75	39.19	1.04	12.75	0.51
942	9.42	3.94	43.01	5.00	3.74E-007	2.01E-003	14.00	52.77	27.00	31.79	58.54	70.04	0.00	0.00	0.00	0.30	0.00	196.25	-0.04	0.00	0.00	0.00	97.95	2.54	64.57	0.16	17.84	38.33	1.02	12.90	0.50
943	9.43	4.10	45.88	5.00	4.02E-007	2.26E-003	14.00	55.01	28.00	31.92	60.22	72.41	0.00	0.00	0.00	0.30	0.00	199.04	-0.04	0.00	0.00	0.00	98.51	2.48	65.83	0.18	17.93	37.49	0.99	13.04	0.50
944	9.44	4.18	45.91	5.00	4.39E-007	2.51E-003	15.00	56.13	28.00	31.88	60.47	72.75	0.00	0.00	0.00	0.30	0.00	199.47	-0.04	0.00	0.00	0.00	98.40	2.41	65.43	0.18	17.94	37.42	0.99	13.05	0.50
945	9.45	4.36	44.77	5.00	5.57E-007	3.33E-003	15.00	58.64	29.00	31.71	60.52	72.76	0.00	0.00	0.00	0.30	0.00	199.55	-0.04	0.00	0.00	0.00	97.79	2.24	63.81	0.15	17.92	37.54	0.99	13.03	0.50
946	9.46	4.42	43.57	5.00	6.21E-007	3.77E-003	15.00	59.48	29.00	31.60	60.19	72.25	0.00	0.00	0.00	0.30	0.00	199.00	-0.03	0.00	0.00	0.00	97.41	2.16	62.76	0.14	17.90	37.78	1.00	12.99	0.50
947	9.47	4.45	42.12	5.00	6.78E-007	4.14E-003	15.00	59.90	29.00	31.48	59.66	71.48	0.00	0.00	0.00	0.30	0.00	198.13	-0.03	0.00	0.00	0.00	97.00	2.11	61.68	0.13	17.86	38.12	1.01	12.93	0.50
948	9.48	4.52	41.49	5.00	7.46E-007	4.63E-003	15.00	60.88	29.00	31.40	59.59	71.35	0.00	0.00	0.00	0.30	0.00	198.01	-0.03	0.00	0.00	0.00	96.78	2.05	61.05	0.12	17.85	38.23	1.01	12.91	0.50
949	9.49	4.60	40.20	5.00	8.52E-007	5.38E-003	15.00	62.00	29.00	31.29	59.25	70.82	0.00	0.00	0.00	0.30	0.00	197.44	-0.03	0.00	0.00	0.00	96.38	1.97	60.01	0.11	17.82	38.51	1.02	12.87	0.51
950	9.50	4.67	38.72	5.00	9.71E-007	6.23E-003	15.00	62.98	30.00	31.16	58.78	70.12	0.00	0.00	0.00	0.30	0.00	196.66	-0.02	0.00	0.00	0.00	95.96	1.90	58.94	0.10	17.78	38.86	1.03	12.81	0.51
951	9.51	4.74	36.83	5.00	1.13E-006	7.34E-003	15.00	63.96	30.00	31.02	58.11	69.12	0.00	0.00	0.00	0.30	0.00	195.54	-0.02	0.00	0.00	0.00	95.45	1.83	57.69	0.09	17.73	39.36	1.04	12.72	0.51
952	9.52	4.77	35.82	5.00	1.21E-006	7.94E-003	15.00	64.37	30.00	30.94	57.73	68.55	0.00	0.00	0.00	0.30	0.00	194.90	-0.02	0.00	0.00	0.00	95.21	1.79	57.06	0.09	17.70	39.65	1.05	12.68	0.51
953	9.53	4.77	34.68	5.00	1.27E-006	8.35E-003	15.00	64.37	30.00	30.86	57.21	67.78	0.00	0.00	0.00	0.30	0.00	194.01	-0.02	0.00	0.00	0.00	94.95	1.77	56.37	0.09	17.67	40.02	1.06	12.62	0.51
954	9.54	4.76	32.79	5.00	1.37E-006	9.00E-003	15.00	64.23	30.00	30.72	56.29	66.45	0.00	0.00	0.00	0.30	0.00	192.45	-0.01	0.00	0.00	0.00	94.48	1.74	55.26	0.08	17.60	40.67	1.08	12.51	0.52
955	9.55	4.77	31.12	5.00	1.50E-006	9.86E-003	15.00	64.37	30.00	30.60	55.51	65.31	0.00	0.00	0.00	0.30	0.00	191.11	-0.01	0.00	0.00	0.00	94.06	1.70	54.28	0.07	17.54	41.27	1.09	12.42	0.52
956	9.56	4.79	29.13	5.00	1.69E-006	1.11E-002	15.00	64.65	30.00	30.45	54.57	63.93	0.00	0.00	0.00	0.30	0.00	189.49	-0.01	0.00	0.00	0.00	93.57	1.65	53.17	0.07	17.47	42.04	1.11	12.30	0.53
957	9.57	4.83	26.23	5.00	2.05E-006	1.39E-002	15.00	66.64	31.00	30.26	53.17	61.87	0.00	0.00	0.00	0.30	0.00	187.04	-0.01	0.00	0.00	0.00	92.88	1.58	51.65	0.06	17.35	43.28	1.15	12.11	0.53
958	9.58	4.89	25.79	5.00	2.22E-006	1.50E-002	15.00	66.54	31.00	30.24	53.09	61.72	0.00	0.00	0.00	0.30	0.00	186.90	-0.01	0.00	0.00	0.00	92.87	1.56	51.55	0.06	17.33	43.44	1.15	12.08	0.54
959	9.59	5.04	26.67	5.00	2.42E-006	1.67E-002	15.00	67.58	31.00	30.35	53.92	62.87	0.00	0.00	0.00	0.30	0.00	188.35	-0.01	0.00	0.00	0.00	93.32	1.53	52.38	0.06	17.38	42.90	1.14	12.17	0.53
960	9.60	5.16	27.34	5.00	2.59E-006	1.81E-002	15.00	68.38	32.00	30.44	54.56	63.75	0.00	0.00	0.00	0.30	0.00	189.47	-0.01	0.00	0.00	0.00	93.69	1.51	53.04	0.07	17.42	42.50	1.13	12.23	0.53
961	9.61	5.29	27.94	5.00	2.81E-006	1.98E-002	16.00	69.16	32.00	30.53	55.18	64.61	0.00	0.00	0.00	0.30	0.00	190.54	-0.01	0.00	0.00	0.00	94.07	1.49	53.73	0.07	17.46	42.14	1.12	12.28	0.53
962	9.62	5.62	29.73	5.00	3.36E-006	2.44E-002	16.00	71.24	33.00	30.78	56.84	66.91	0.00	0.00	0.00	0.30	0.00	193.39	-0.02	0.00	0.00	0.00	95.05	1.45	55.71	0.08	17.55	41.17	1.09	12.43	0.52
963	9.63	5.80	31.25	5.00	3.60E-006	2.67E-002	17.00	72.70	34.00	30.94	58.01	68.56	0.00	0.00	0.00	0.30	0.00	195.36	-0.02	0.00	0.00	0.00	95.70	1.43	57.02	0.09	17.62	40.46	1.07	12.54	0.52
964	9.64	5.97	32.66	5.00	3.83E-006	2.89E-002	17.00	74.05	34.00	31.08	59.08	70.07	0.00	0.00	0.00	0.30	0.00	197.16	-0.02	0.00	0.00	0.00	96.31	1.42	58.26	0.10	17.68	39.85	1.06	12.64	0.51
965	9.65	6.30	33.96	6.00	4.60E-006	3.55E-002	18.00	75.71	35.00	31.32	60.41	71.90	0.00	0.00	0.00	0.30	0.00	199.36	-0.03	0.00	0.00	0.00	97.26	1.38	60.31	0.12	17.75	39.21	1.04	12.75	0.51
966	9.66	6.46	34.27	6.00	5.08E-006	3.95E-002	18.00	76.31	36.00	31.43	60.89	72.56	0.00	0.00	0.00	0.30	0.00	200.15	-0.03	0.00	0.00	0.00	97.73	1.37	61.26	0.13	17.77	39.01	1.03	12.78	0.51
967	9.67	6.72	35.38	6.00	5.78E-006	4.57E-002	19.00	77.64	37.00	31.63	61.94	74.04	0.00	0.00	0.00	0.30	0.00	201.88	-0.03	0.00	0.00	0.00	98.53	1.35	63.04	0.14	17.82	38.52	1.02	12.86	0.51
968	9.68	6.81	35.94	6.00	5.98E-006	4.77E-002	19.00	78.21	37.00	31.70	62.40	74.67	0.00	0.00	0.00	0.30	0.00	202.62	-0.04	0.00	0.00	0.00	98.86	1.34	63.69	0.15	17.84	38.30	1.01	12.90	0.50
969	9.69	6.86	36.51	6.00	6.03E-006	4.84E-002	19.00	78.68	37.00	31.74	62.78	75.22	0.00	0.00	0.00	0.30	0.00	203.24	-0.04	0.00	0.00	0.00	99.08	1.34	64.11	0.16	17.86	38.10	1.01	12.94	0.50
970	9.70	6.83	37.65	6.00	5.63E-006	4.55E-002	19.00	79.30	37.00	31.75	63.27	75.96	0.00	0.00	0.00	0.30	0.00	204.04	-0.04	0.00	0.00	0.00	99.15	1.35	64.16	0.16	17.90	37.79	1.00	12.99	0.50
971	9.71	6.78	37.93	6.00	5.38E-006	4.35E-002	19.00	79.36	37.00	31.72	63.32	76.04	0.00	0.00	0.00	0.30	0.00	204.12	-0.04	0.00	0.00	0.00	99.10	1.36	63.91	0.15	17.90	37.73	1.00	13.00	0.50
972	9.72	6.72	38.69	6.00	5.00E-006	4.06E-002	19.00	79.68	36.00	31.70	63.58	76.42	0.00	0.00	0.00	0.30	0.00	204.52	-0.04	0.00	0.00	0.00	99.07	1.37	63.73	0.15	17.92	37.55	1.00	13.03	0.50
973	9.73	6.71	38.84	6.00	4.93E-006	4.01E-002	19.00	79.76	36.00	31.70	63.64	76.52	0.00	0.00	0.00	0.30	0.00	204.62	-0.04	0.00	0.00	0.00	99.11	1.37	63.69	0.15	17.93	37.52	0.99	13.04	0.50
974	9.74	6.70	39.10	6.00	4.84E-006	3.94E-002	19.00	79.90	36.00	31.70	63.75	76.68	0.00	0.00	0.00	0.30	0.00	204.81	-0.04	0.00	0.00	0.00	99.15	1.37	63.69	0.15	17.93	37.45	0.99	13.05	0.50
975	9.75	6.64	39.41	6.00	4.59E-006	3.74E-002	19.00	79.95	36.00	31.67	63.79	76.75	0.00	0.00	0.00	0.30	0.00	204.87	-0.03	0.00	0.00	0.00	99.09	1.38	63.42	0.15	17.94	37.40	0.99	13.06	0.50
976	9.76	6.57	39.66	5.00	4.32E-006	3.52E-002	19.00	79.94	36.00	31.63	63.78	76.76	0.00	0.00	0.00	0.30	0.00	204.85	-0.03	0.00	0.00	0.00	99.01	1.39	63.11	0.15	17.94	37.37	0.99	13.06	0.50
977	9.77	6.45	40.36	5.00	3.86E-006	3.15E-002	18.00	80.06	36.00	31.59	63.88	76.93	0.00	0.00	0.00	0.30	0.00	205.01	-0.03	0.00	0.00	0.00	98.89	1.42	62.71	0.14	17.96	37.25	0.99	13.08	0.50
978	9.78	6.42	40.33	5.00	3.78E-006	3.08E-002	18.00	79.98	35.00	31.57	63.81	76.84	0.00	0.00	0.00	0.30	0.00	204.91	-0.03	0.00	0.00	0.00	98.87	1.42	62.54	0.14	17.95	37.27	0.99	13.08	0.50
979	9.79	6.39	39.66	5.00	3.79E-006	3.08E-002	18.00	79.53	35.00	31.53	63.46	76.32	0.00	0.00	0.00	0.30	0.00	204.33	-0.03	0.00	0.00	0.00	98.77	1.42	62.18	0.13	17.93	37.47	0.99	13.04	0.50
980	9.80	6.44	40.23	5.00	3.84E-006	3.13E-002	18.00	80.00	36.00	31.57	63.83	76.86	0.00	0.00	0.00	0.30	0.00	204.94	-0.03	0.00	0.00	0.00	98.98	1.42	62.57	0.14	17.95	37.29	0.99	13.08	0.50
981	9.81	6.49	39.48	5.00	4.09E-006	3.32E-002	18.00	79.71	36.00	31.57	63.60	76.50	0.00	0.00	0.00	0.30	0.00	204.56	-0.03	0.00	0.00	0.00	99.03	1.41	62.57	0.14	17.93	37.46	0.99	13.05	0.50
982	9.82	6.61	38.28	6.00	4.66E-006	3.77E-002	19.00	79.32	36.00	31.60	63.29	76.00	0.00	0.00	0.00	0.30	0.00	204.06	-0.03	0.00	0.00	0.00	99.20	1.38	62.84	0.14	17.90	37.72	1.00	13.00	0.50
983	9.83	6.66	37.30	6.00	5.02E-006	4.04E-002	19.00	78.88	36.00	31.60	62.94	75.46	0.00	0.00	0.00	0.30	0.00	203.49	-0.03	0.00	0.00	0.00	99.25	1.37	62.85	0.14	17.88	37.98	1.01	12.96	0.50
984	9.84	6.73	35.34	6.00	5.71E-006	4.54E-002	19.00	77.89	36.00	31.60	62.15	74.27	0.00	0.00	0.00	0.30	0.00	202.21	-0.03	0.00	0.00	0.00	99.27	1.35	62.77	0.14	17.82	38.53	1.02	12.86	0.51
985	9.85	6.74	34.40	6.00	5.98E-006	4.72E-002	19.00	77.35	37.00	31.58	61.72	73.64	0.00	0.00	0.00	0.30	0.00	201.51	-0.03	0.00	0.00	0.00	99.24	1.34	62.60	0.14	17.79	38.82	1.03	12.81	0.51
986	9.86	6.77	33.99	6.00	6.21E-006	4.89E-002	19.00	77.19	37.00	31.59	61.59	73.43	0.00	0.00	0.00	0.30	0.00	201.30	-0.03	0.00	0.00	0.00	99.32	1.34	62.68	0.14	17.78	38.93	1.03	12.80	0.51
987	9.87	6.89	32.85	6.00	7.06E-006	5.53E-002	19.00	76.78	37.00	31.64	61.26	72.90	0.00	0.00	0.00	0.30	0.00	200.76	-0.03	0.00	0.00	0.00	99.59	1.32	63.19	0.15	17.74	39.25	1.04	12.74	0.51
988	9.88	6.98	32.51	6.00	7.60E-006	5.95E-002	19.00	76.79	37.00	31.70	61.27	72.89	0.00	0.00	0.00	0.30	0.00	200.78	-0.04	0.00	0.00	0.00	99.86	1.31	63.70	0.15	17.74	39.31	1.04	12.73	0.51
989	9.89	7.06	32.60	6.00	7.95E-006	6.25E-002	19.00	77.05	38.00	31.76	61.47	73.16	0.00	0.00	0.00	0.30	0.00	201.11	-0.04	0.00	0.00	0.00	100.13	1.30	64.24	0.16	17.75	39.24	1.04	12.74	0.51
990	9.90	7.17	32.79	6.00	8.44E-006	6.67E-002	19.00	77.43	38.00	31.84	61.78	73.58	0.00	0.00	0.00	0.30	0.00	201.62	-0.04	0.00	0.00	0.00	100.50	1.30	65.00	0.17	17.76	39.12	1.04	12.76	0.51

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
991	9.91	7.17	32.79	6.00	8.43E-006	6.66E-002	19.00	77.45	38.00	31.83	61.79	73.59	0.00	0.00	0.00	0.30	0.00	201.63	-0.04	0.00	0.00	0.00	100.54	1.30	64.98	0.17	17.76	39.12	1.04	12.76	0.51
992	9.92	7.17	32.79	6.00	8.42E-006	6.65E-002	19.00	77.46	38.00	31.83	61.80	73.61	0.00	0.00	0.00	0.30	0.00	201.65	-0.04	0.00	0.00	0.00	100.58	1.30	64.96	0.17	17.76	39.12	1.04	12.76	0.51
993	9.93	6.78	30.21	6.00	7.40E-006	5.65E-002	18.00	74.94	37.00	31.50	59.79	70.75	0.00	0.00	0.00	0.30	0.00	198.34	-0.03	0.00	0.00	0.00	99.32	1.31	61.87	0.13	17.64	40.25	1.07	12.58	0.52
994	9.94	6.67	32.13	6.00	6.28E-006	4.86E-002	18.00	75.91	36.00	31.46	60.57	71.93	0.00	0.00	0.00	0.30	0.00	199.63	-0.03	0.00	0.00	0.00	99.22	1.33	61.54	0.13	17.71	39.61	1.05	12.68	0.51
995	9.95	6.62	33.11	6.00	5.80E-006	4.52E-002	18.00	76.42	36.00	31.45	60.98	72.54	0.00	0.00	0.00	0.30	0.00	200.30	-0.03	0.00	0.00	0.00	99.22	1.35	61.43	0.13	17.74	39.30	1.04	12.73	0.51
996	9.96	6.59	33.61	6.00	5.55E-006	4.34E-002	18.00	76.68	36.00	31.44	61.18	72.85	0.00	0.00	0.00	0.30	0.00	200.63	-0.03	0.00	0.00	0.00	99.24	1.35	61.35	0.13	17.75	39.15	1.04	12.76	0.51
997	9.97	6.57	34.37	6.00	5.28E-006	4.15E-002	18.00	77.11	36.00	31.44	61.52	73.36	0.00	0.00	0.00	0.30	0.00	201.20	-0.03	0.00	0.00	0.00	99.31	1.36	61.40	0.13	17.78	38.92	1.03	12.80	0.51
998	9.98	6.59	34.68	6.00	5.28E-006	4.16E-002	18.00	77.36	36.00	31.46	61.73	73.65	0.00	0.00	0.00	0.30	0.00	201.53	-0.03	0.00	0.00	0.00	99.43	1.36	61.57	0.13	17.79	38.81	1.03	12.82	0.51
999	9.99	6.57	34.59	6.00	5.22E-006	4.11E-002	18.00	77.27	36.00	31.45	61.65	73.55	0.00	0.00	0.00	0.30	0.00	201.41	-0.03	0.00	0.00	0.00	99.41	1.36	61.42	0.13	17.79	38.85	1.03	12.81	0.51
1000	10.00	6.54	34.56	6.00	5.11E-006	4.02E-002	18.00	77.20	36.00	31.42	61.59	73.46	0.00	0.00	0.00	0.30	0.00	201.31	-0.03	0.00	0.00	0.00	99.38	1.37	61.22	0.12	17.78	38.87	1.03	12.81	0.51

GeoDeep
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55054 - Massarosa
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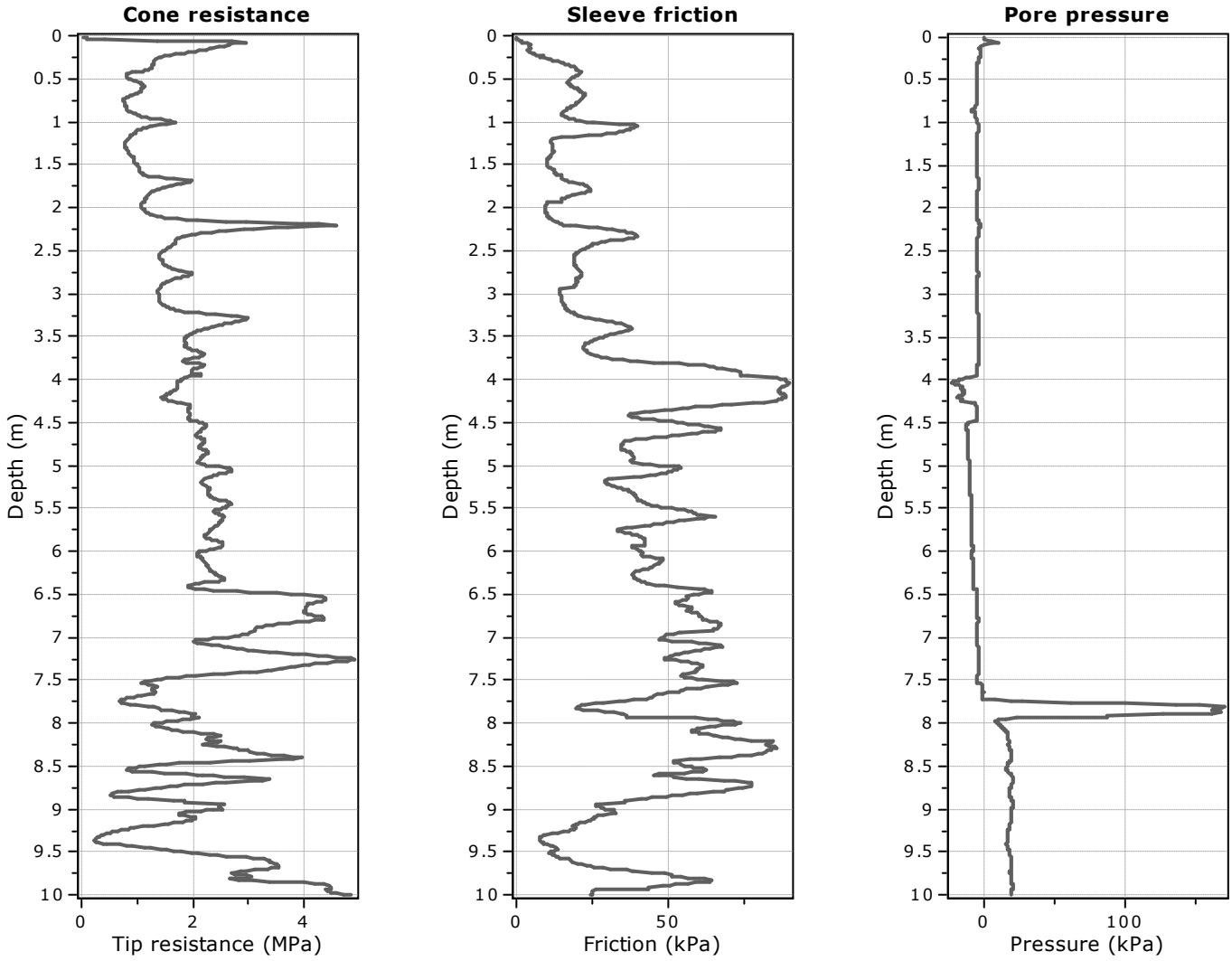
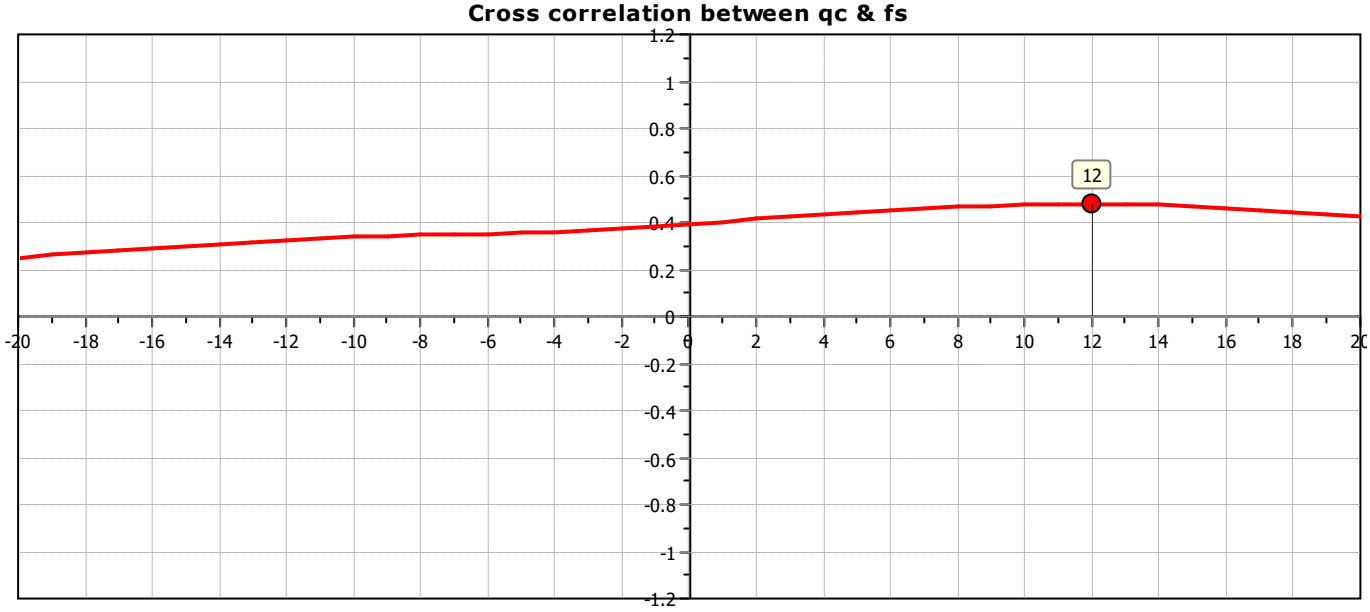
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-6
Total depth: 10.00 m, Date: 28/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.6745703° lon 10.6393731°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti



The plot below presents the cross correlation coeficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two sucessive CPT measurements).



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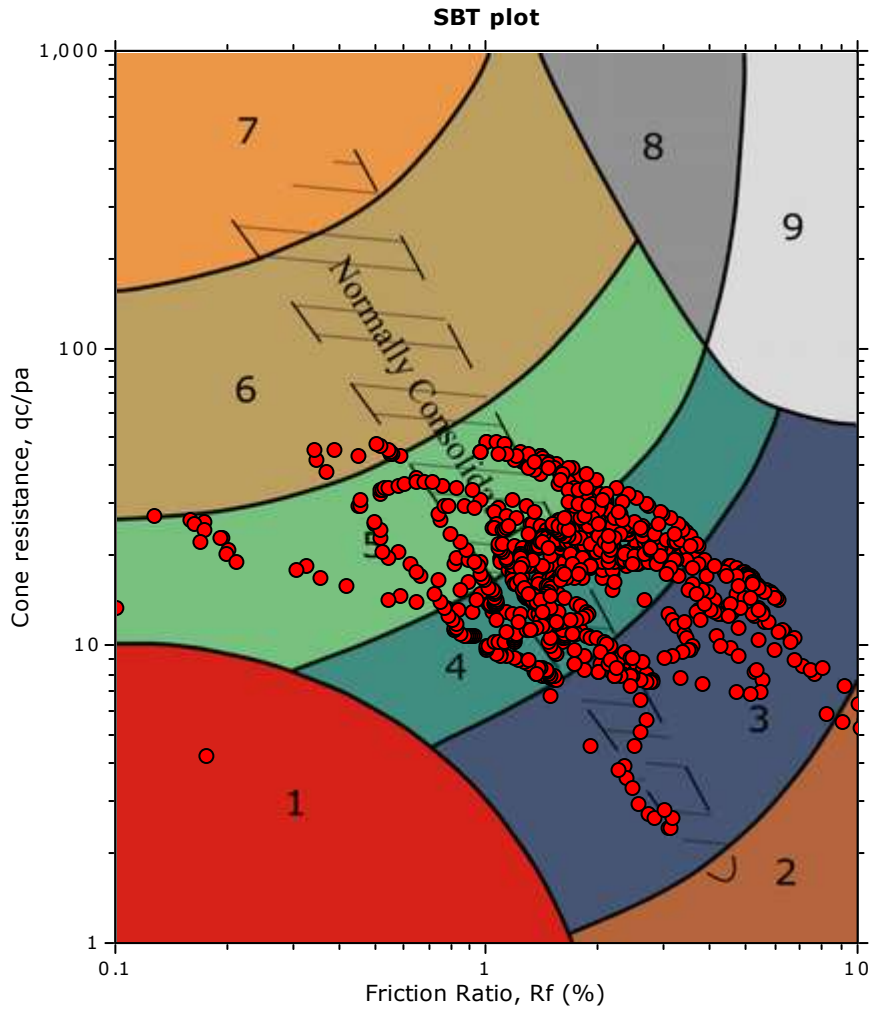
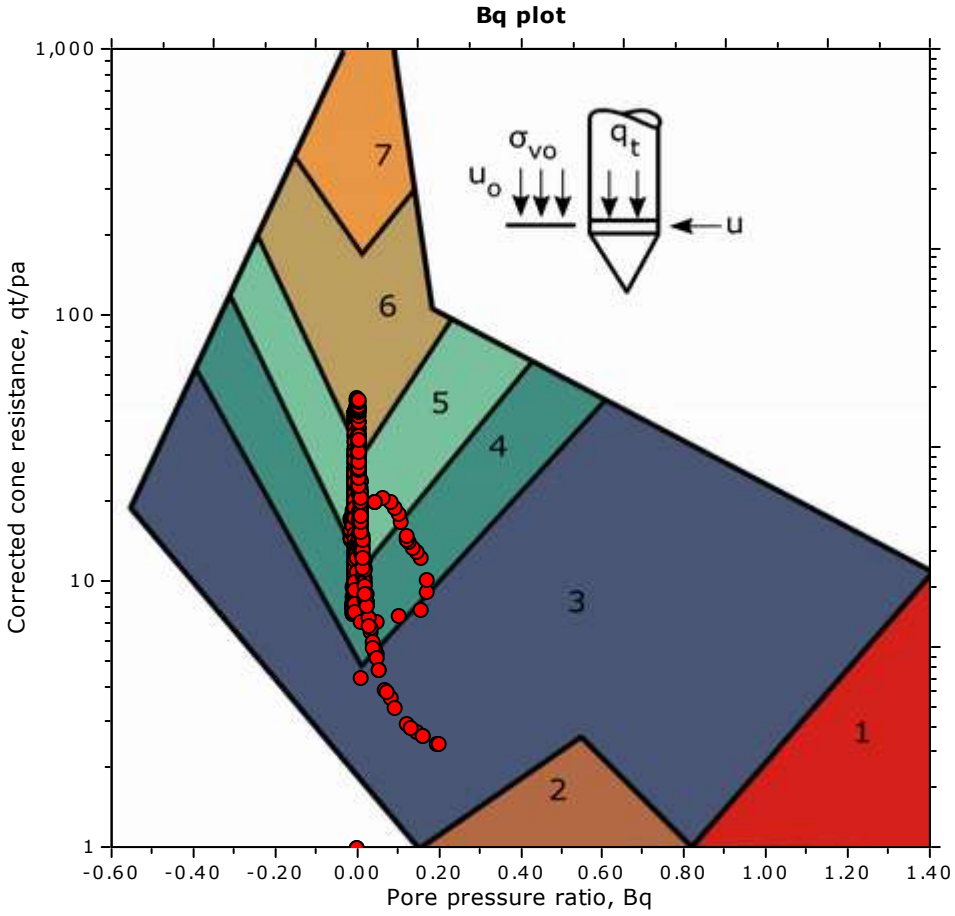
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-6
Total depth: 10.00 m, Date: 28/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.6745703° lon 10.6393731°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti

SBT - Bq plots





SBT legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

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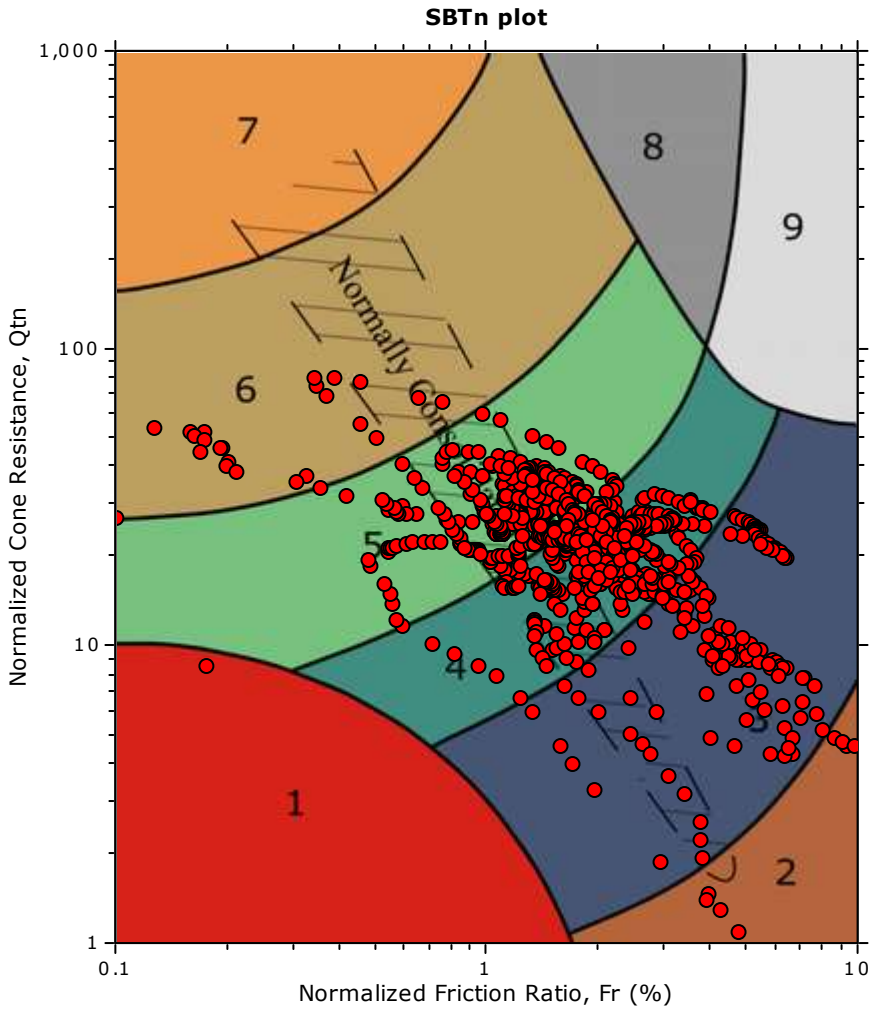
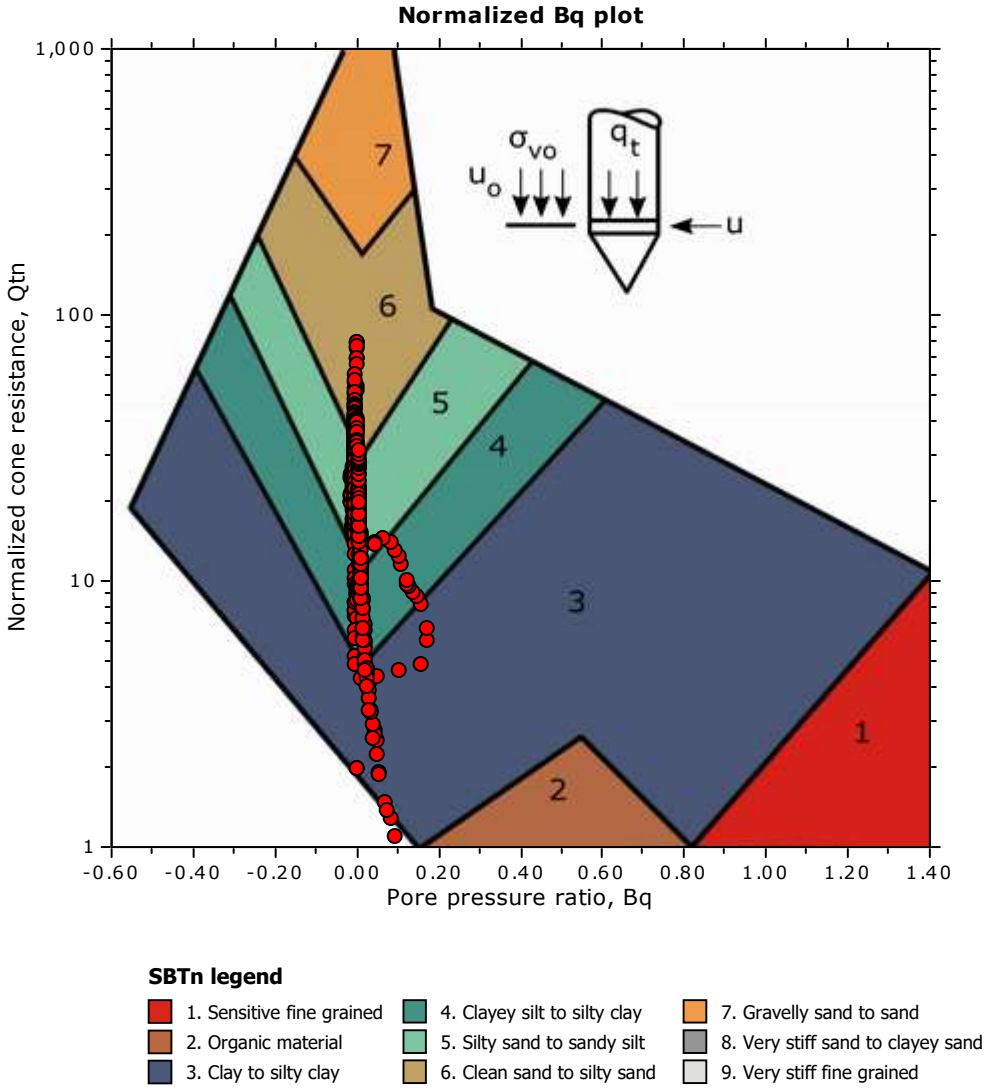
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-6
Total depth: 10.00 m, Date: 28/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.6745703° lon 10.6393731°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti

SBT - Bq plots (normalized)





GeoDeep
Via Belvedere, 11/B
55054 - Massarosa
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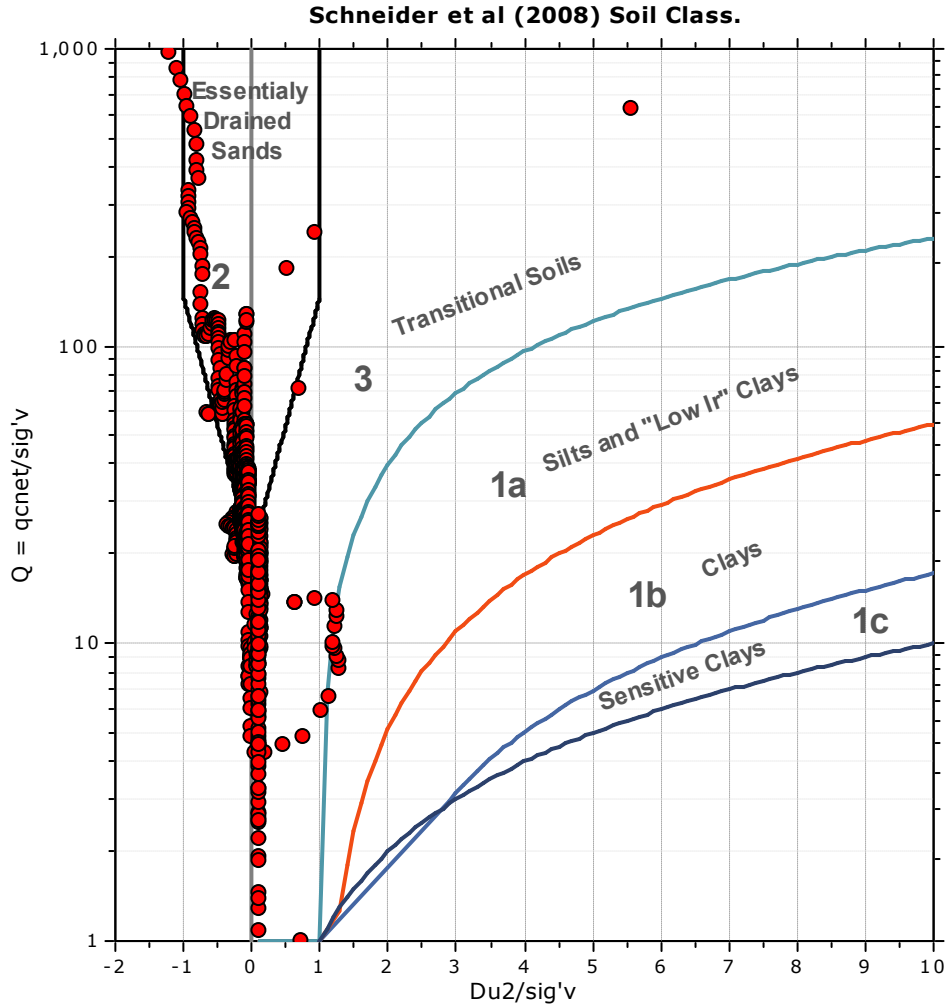
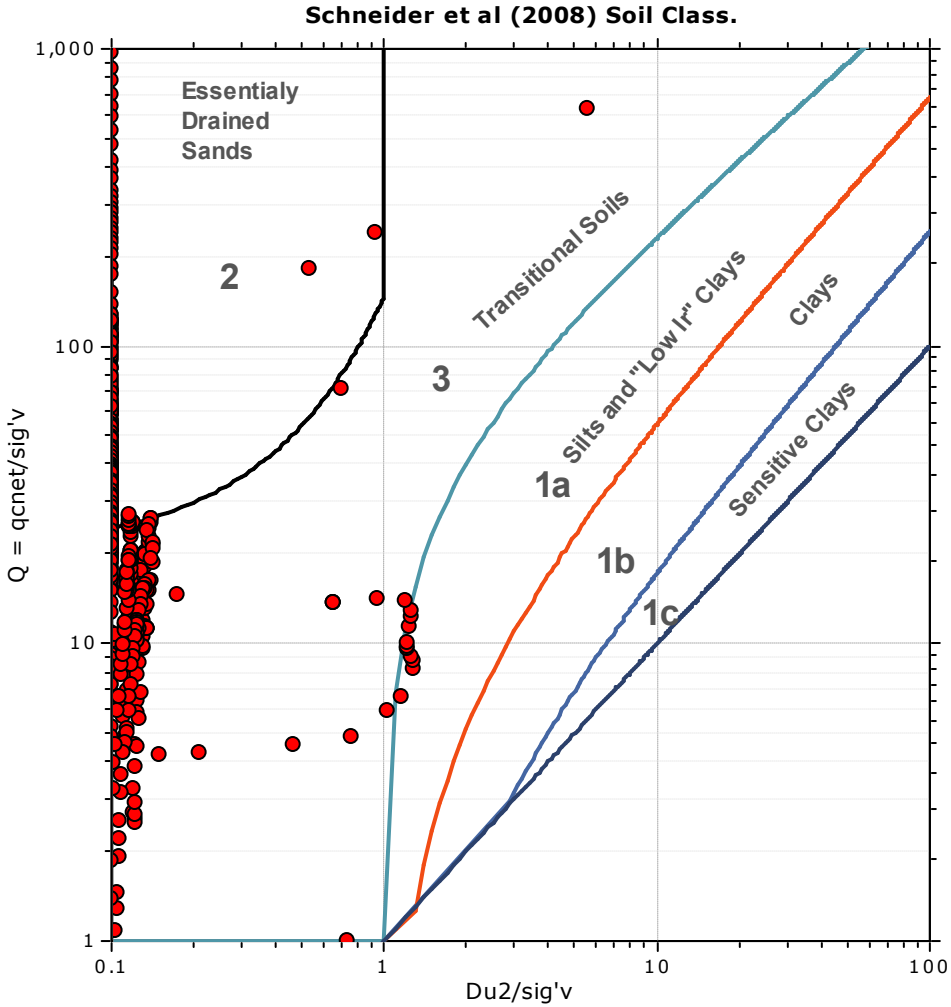
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-6
Total depth: 10.00 m, Date: 28/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.6745703° lon 10.6393731°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti

Bq plots (Schneider)





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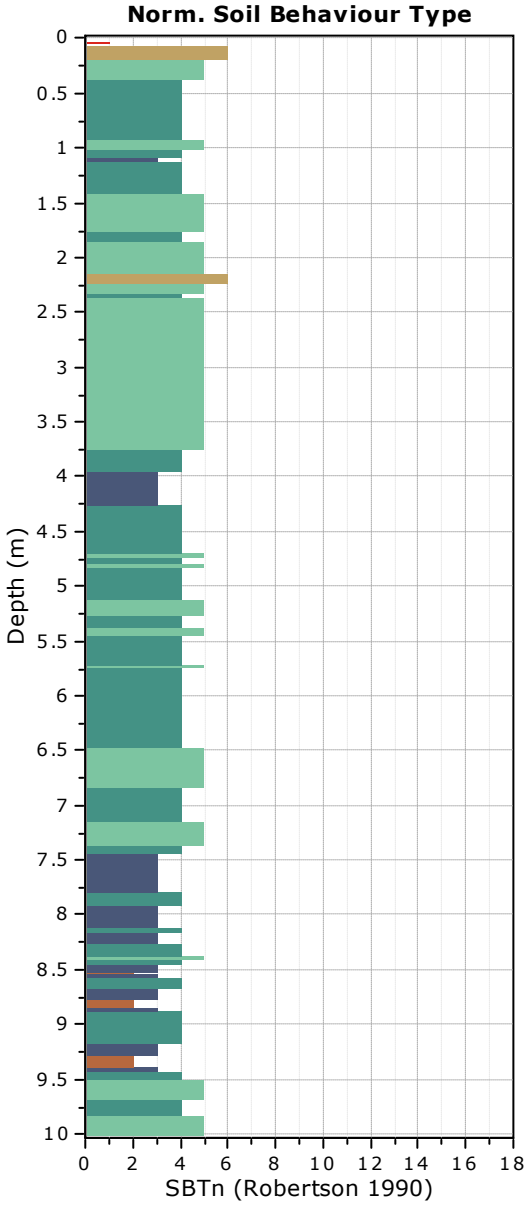

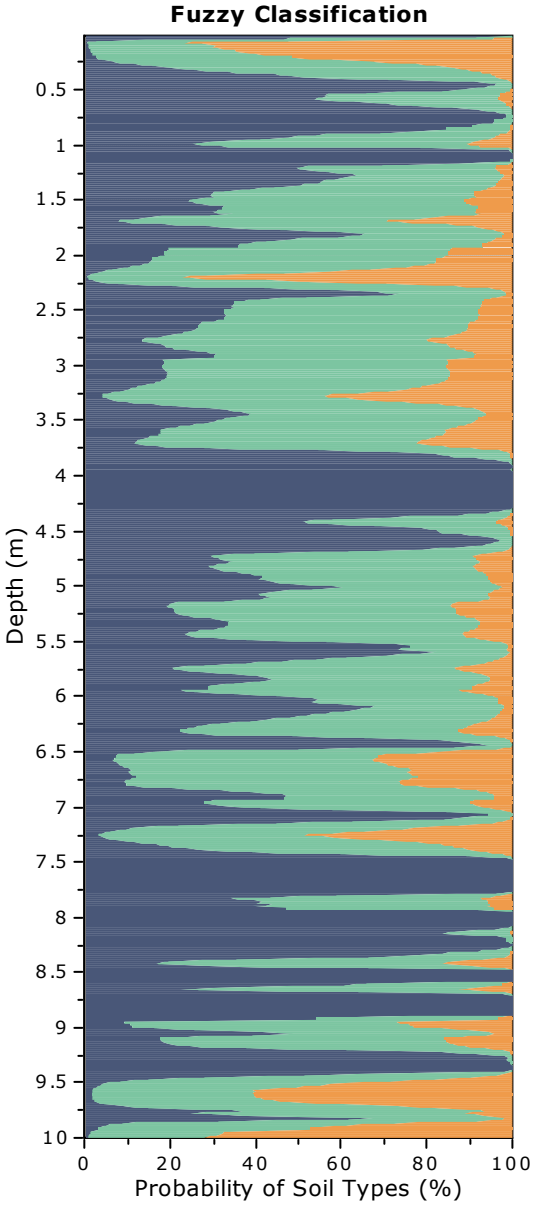

Fuzzy classifiaction legend
- Highly probable clayey soil
- Highly probable mixture soil
- Highly probable sandy soil

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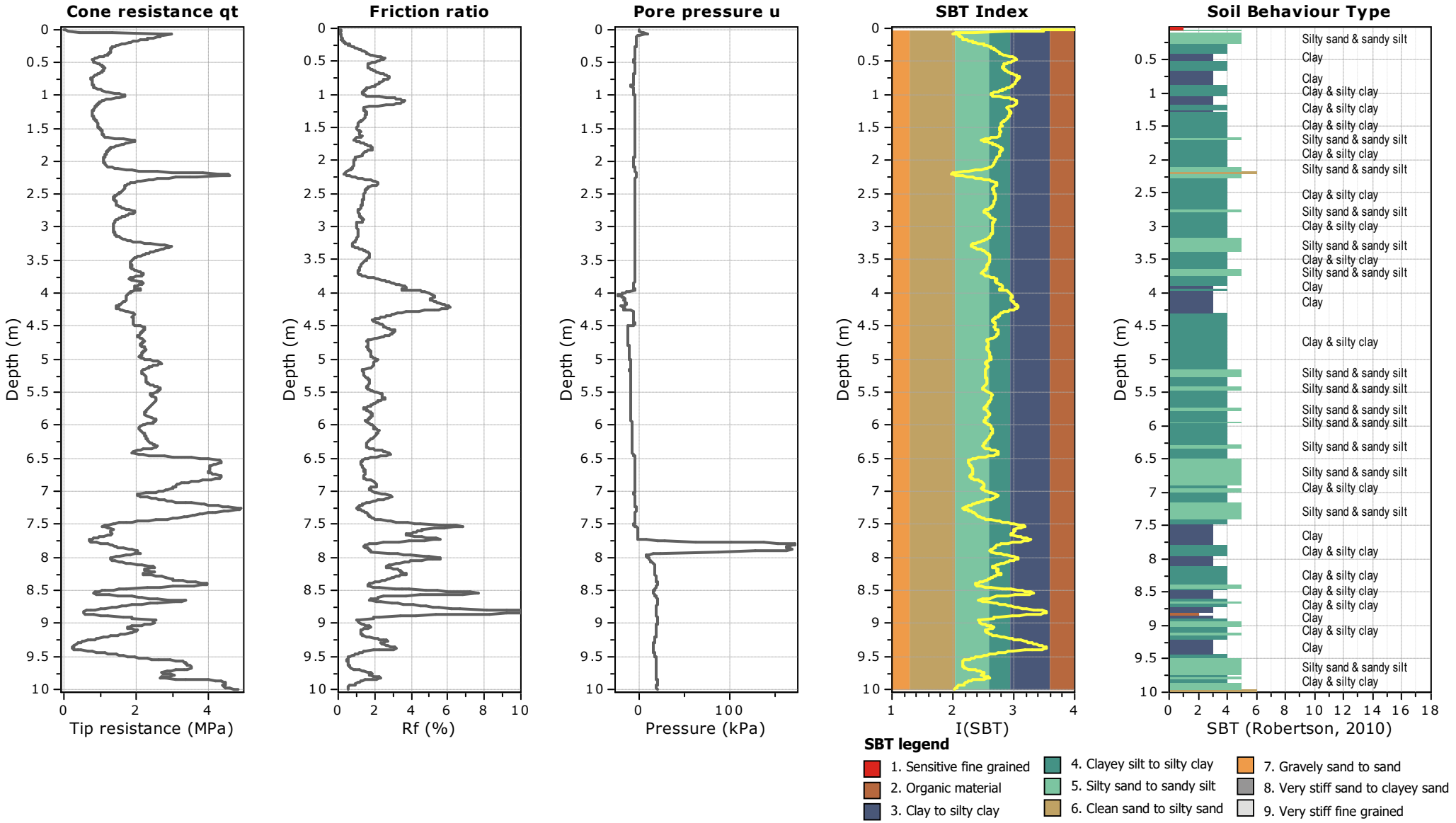

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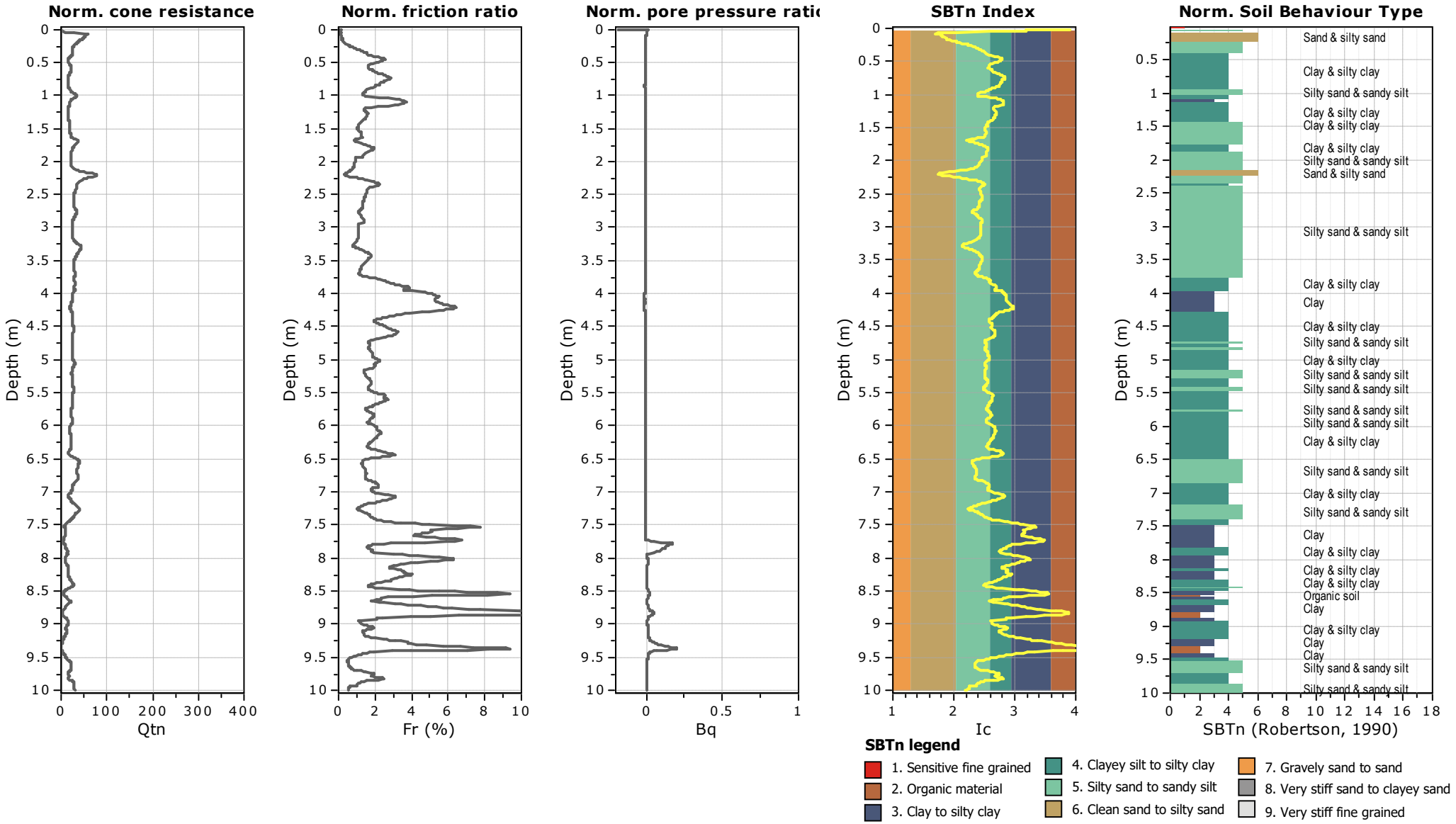

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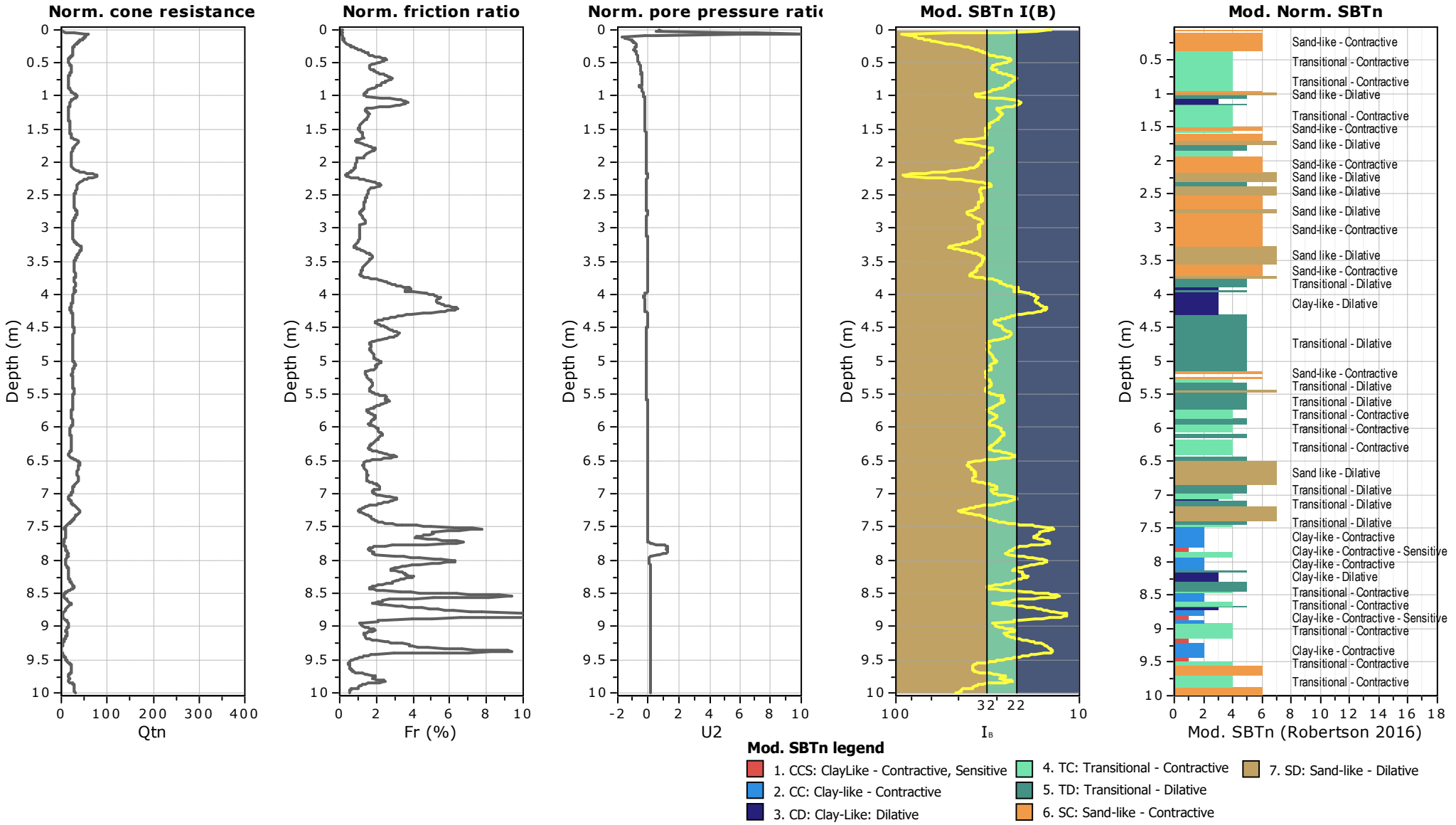

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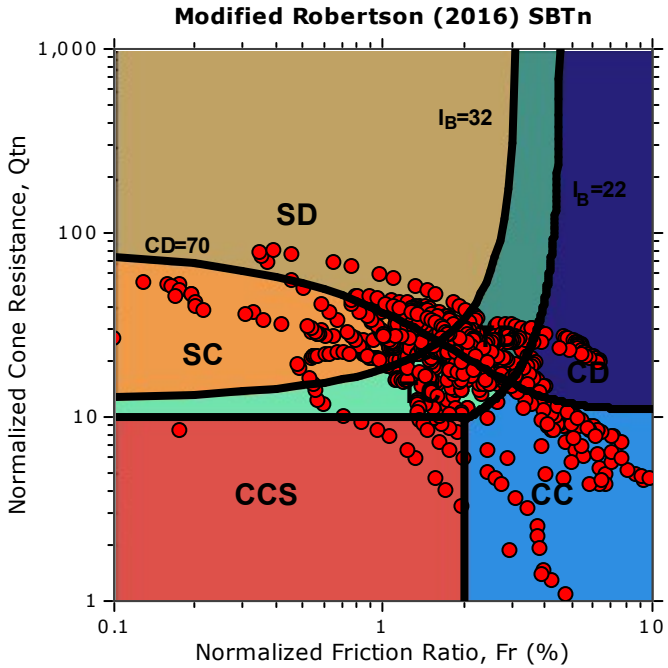
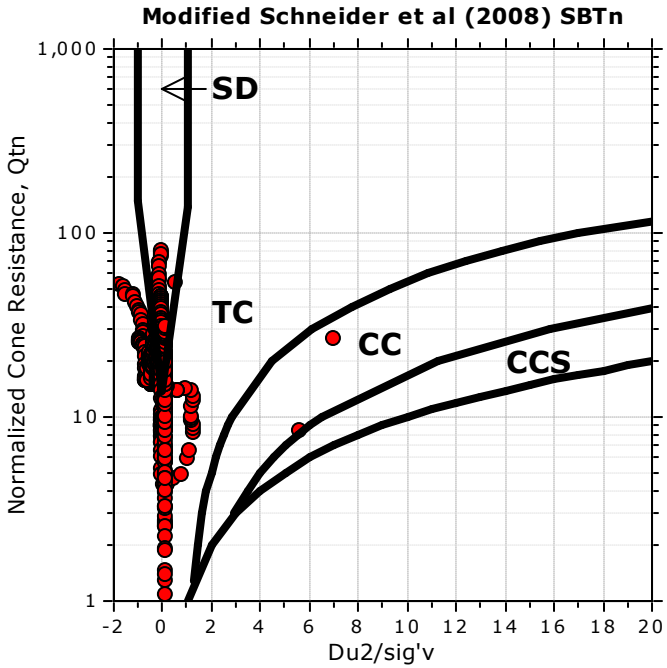
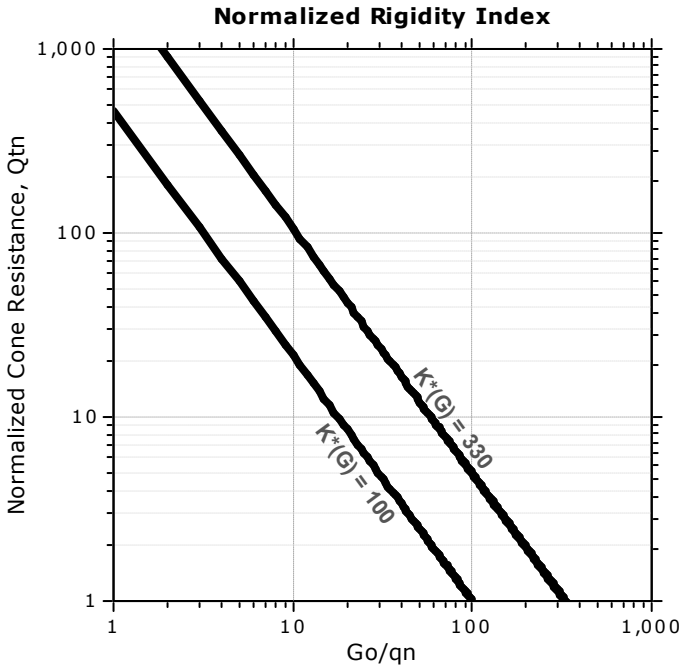
Updated SBTn plots







CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

K(G) > 330: Soils with significant microstructure (e.g. age/cementation)

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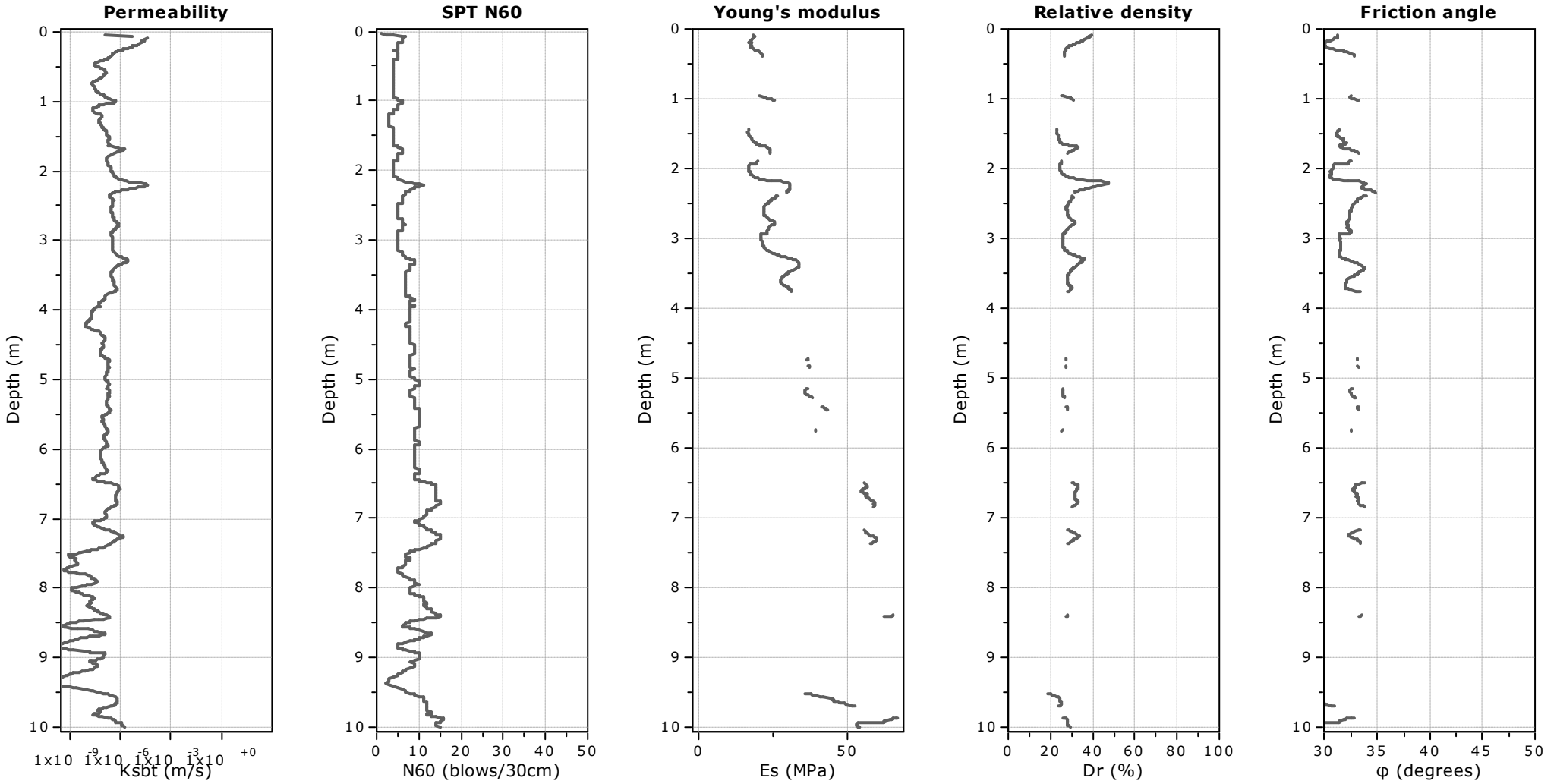

Calculation parameters

Permeability: Based on SBT_n
SPT N_{60}: Based on I_c and q_t
Young's modulus: Based on variable alpha using I_c (Robertson, 2009)
Relative density constant, C_{Dr}: 350.0
Phi: Based on Kulhawy & Mayne (1990)

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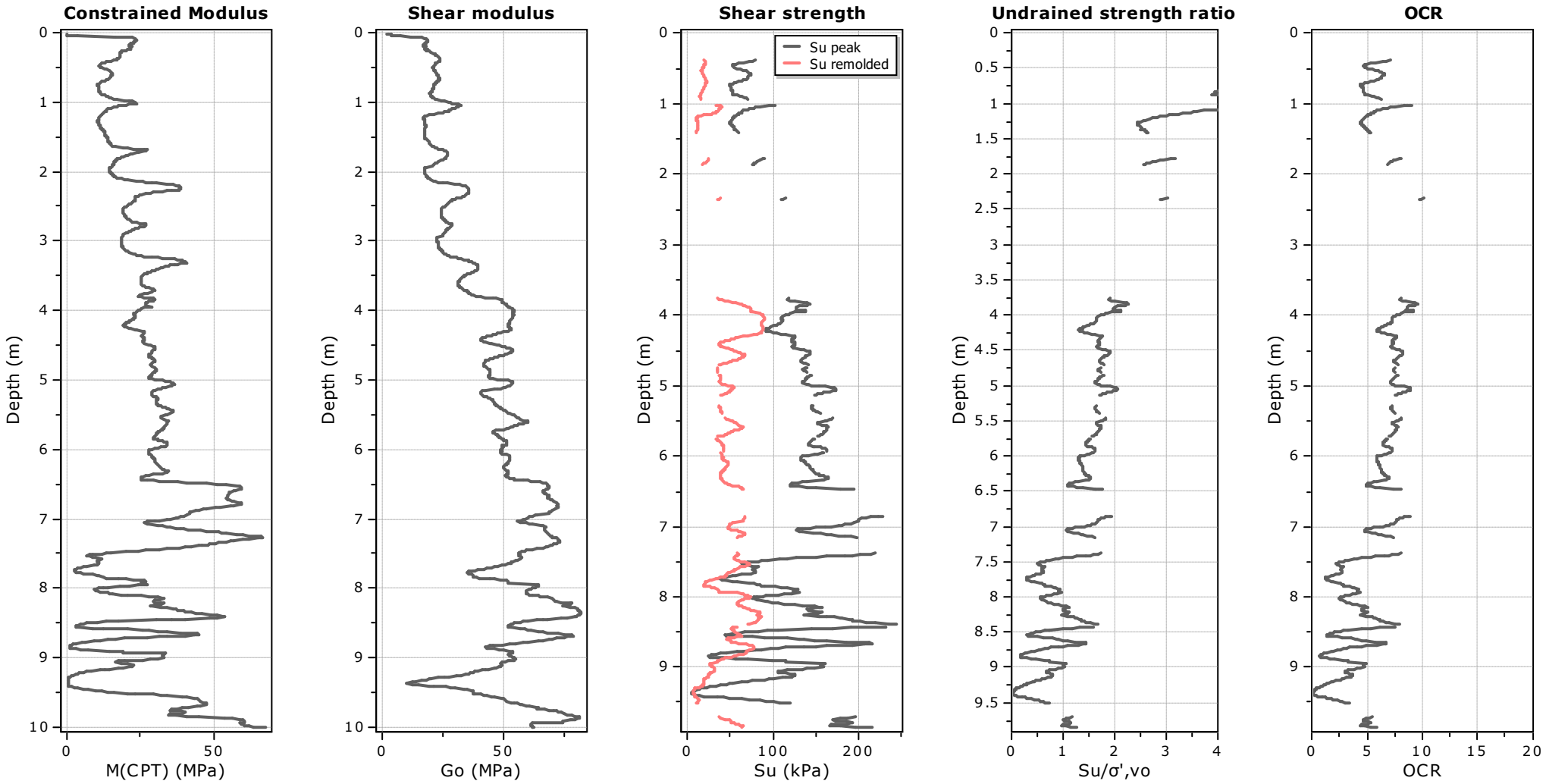

Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_{tn} (Robertson, 2009)
Go: Based on variable *alpha* using I_c (Robertson, 2009)
Undrained shear strength cone factor for clays, N_{kt}: 15
OCR factor for clays, N_{kt}: 0.30
Flat Dilatometer Test data

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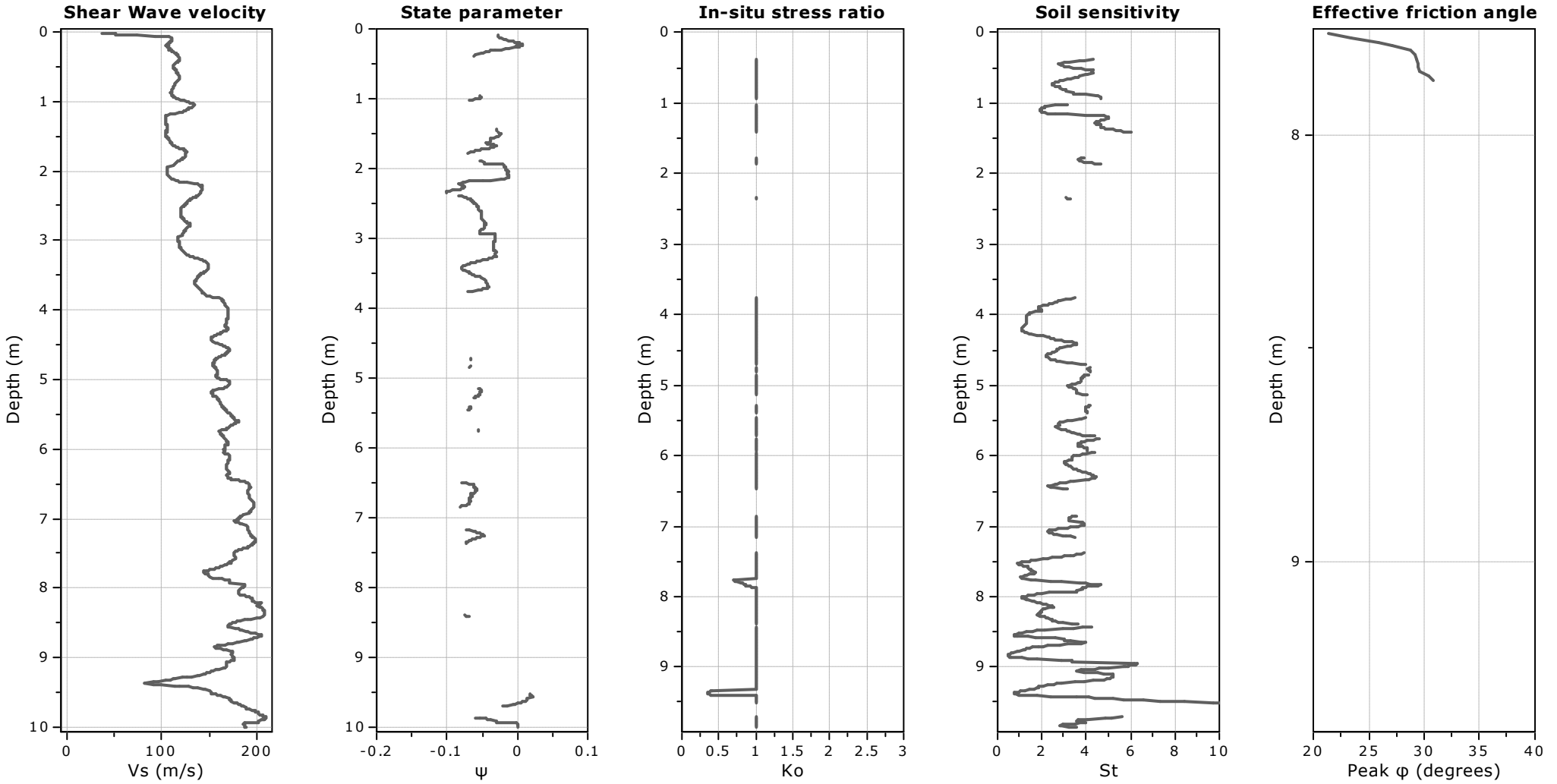

Calculation parameters

Soil Sensitivity factor, N_S: 7.00

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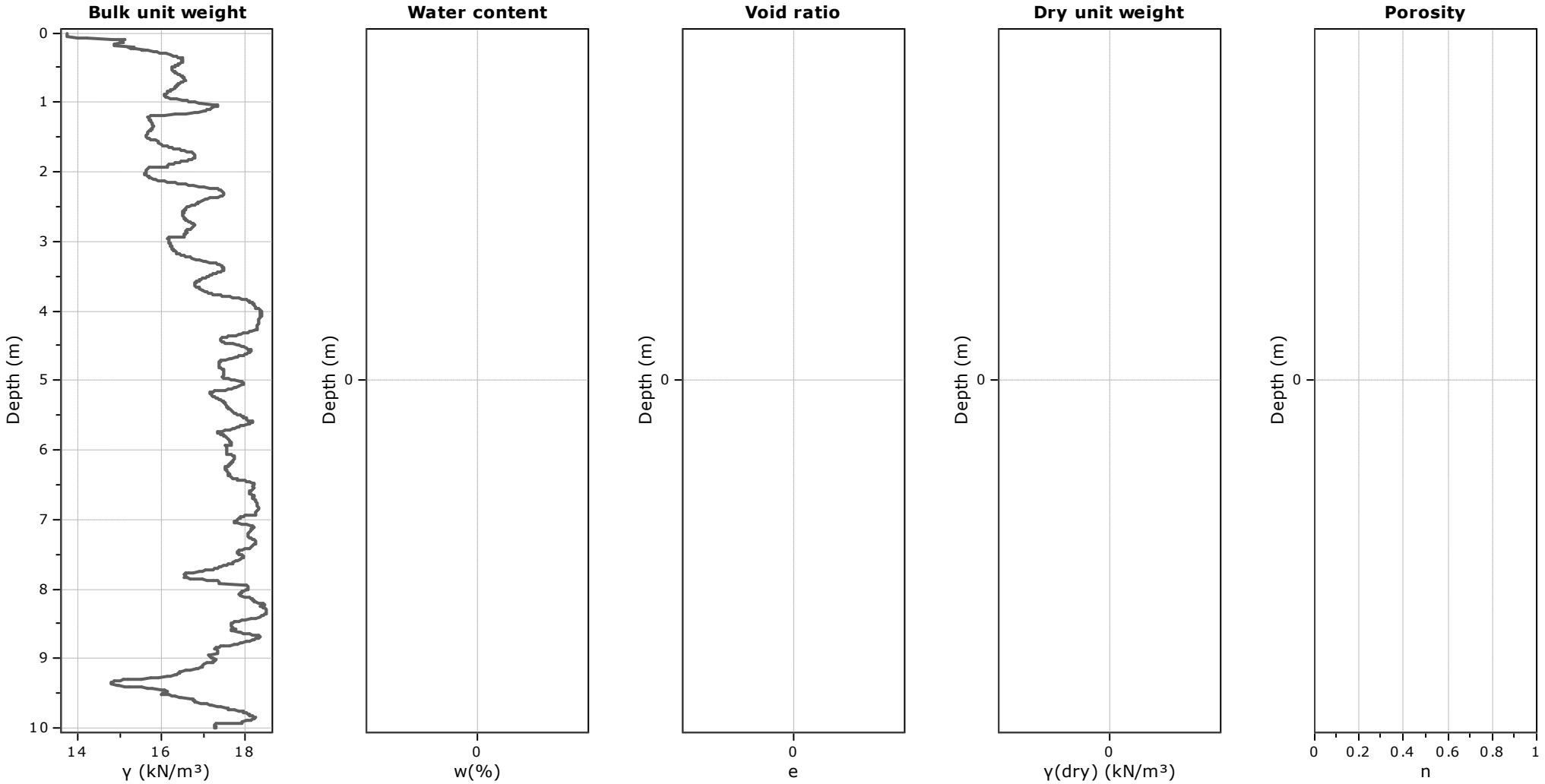

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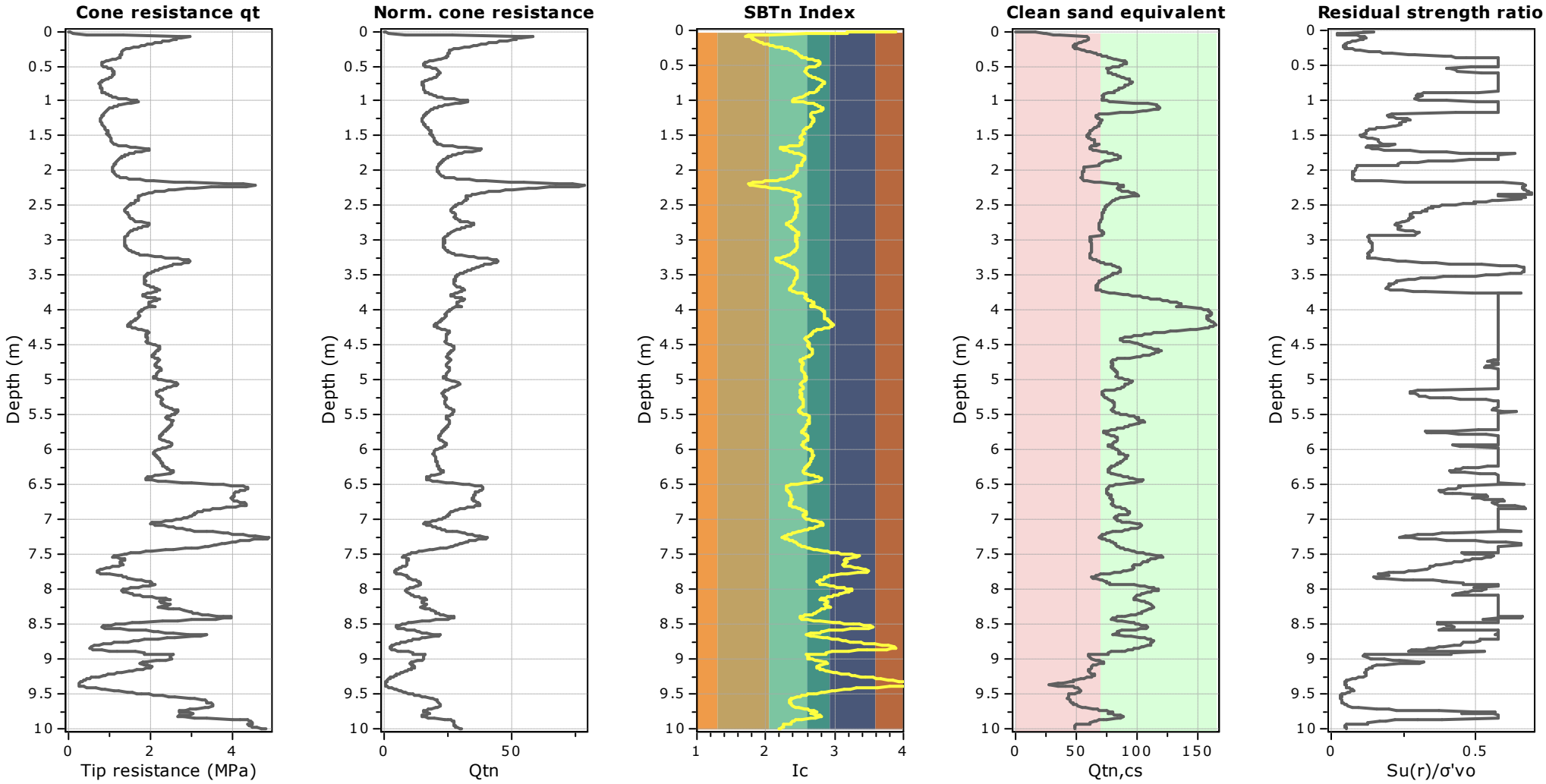

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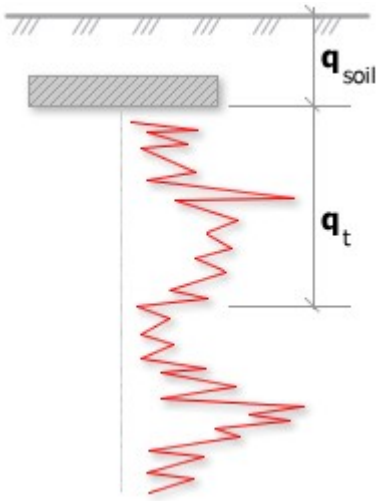
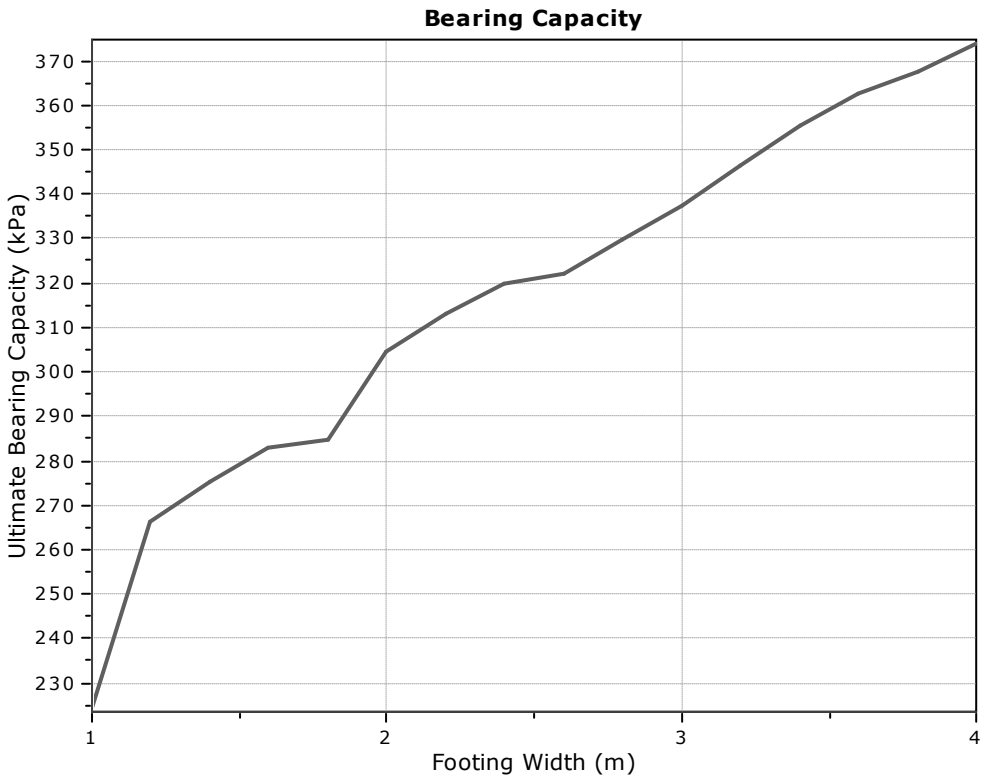


Bearing Capacity calculation is perfromed based on the formula:

$$Q_{ult} = R_k \times q_t + q_{soil}$$

where:
R_k: Bearing capacity factor
q_t: Average corrected cone resistance over calculation depth
q_{soil}: Pressure applied by soil above footing



:: Tabular results ::

No	B (m)	Start Depth (m)	End Depth (m)	Ave. q_t (MPa)	R_k	Soil Press. (kPa)	Ult. bearing cap. (kPa)
1	1.00	0.50	2.00	1.07	0.20	9.50	224.44
2	1.20	0.50	2.30	1.28	0.20	9.50	266.42
3	1.40	0.50	2.60	1.33	0.20	9.50	275.27
4	1.60	0.50	2.90	1.37	0.20	9.50	283.04
5	1.80	0.50	3.20	1.38	0.20	9.50	284.76
6	2.00	0.50	3.50	1.48	0.20	9.50	304.52
7	2.20	0.50	3.80	1.52	0.20	9.50	313.15
8	2.40	0.50	4.10	1.55	0.20	9.50	319.78
9	2.60	0.50	4.40	1.56	0.20	9.50	322.32
10	2.80	0.50	4.70	1.60	0.20	9.50	329.75
11	3.00	0.50	5.00	1.64	0.20	9.50	337.33
12	3.20	0.50	5.30	1.68	0.20	9.50	346.27
13	3.40	0.50	5.60	1.73	0.20	9.50	355.42
14	3.60	0.50	5.90	1.77	0.20	9.50	362.57
15	3.80	0.50	6.20	1.79	0.20	9.50	367.74
16	4.00	0.50	6.50	1.82	0.20	9.50	373.85

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
1	0.01	0.00	0.00	0.10	0.00	0.00	0.00	1.00	0.00	13.73	0.14	0.00	0.14	-0.85	0.00	-0.86	0.00	1.00	2.00	0.00	0.00	0.73	14.28	0.00
2	0.02	0.02	0.03	0.19	0.20	0.02	0.15	1.00	4.19	13.73	0.27	0.00	0.27	71.96	0.15	0.01	1.00	1.00	2.00	3.90	0.39	0.69	14.83	0.00
3	0.03	0.10	0.06	0.38	0.07	0.10	0.06	1.00	3.48	13.73	0.41	0.00	0.41	241.90	0.06	0.00	0.00	1.00	2.00	3.18	1.97	0.92	17.07	0.00
4	0.04	0.10	0.03	0.29	0.03	0.10	0.03	1.00	3.49	13.73	0.55	0.00	0.55	181.14	0.03	0.00	0.00	1.00	2.00	3.19	1.96	0.53	17.08	0.00
5	0.05	0.43	0.76	3.83	0.17	0.43	0.18	1.00	2.88	13.73	0.69	0.00	0.69	626.35	0.18	0.01	1.00	0.83	2.00	2.58	8.49	5.58	25.86	1.00
6	0.06	1.35	1.36	5.75	0.10	1.35	0.10	5.00	2.36	13.73	0.82	0.00	0.82	1638.74	0.10	0.00	5.00	0.63	2.00	2.06	26.65	6.98	50.43	6.00
7	0.07	2.70	1.73	10.06	0.06	2.70	0.06	0.00	2.04	14.00	0.96	0.00	0.96	2801.92	0.06	0.00	0.00	0.51	2.00	1.74	53.32	10.44	86.24	0.00
8	0.08	2.96	2.02	6.71	0.07	2.96	0.07	0.00	2.00	14.21	1.11	0.00	1.11	2676.19	0.07	0.00	0.00	0.50	2.00	1.70	58.43	6.07	92.49	0.00
9	0.09	2.73	3.50	0.67	0.13	2.73	0.13	5.00	2.07	14.81	1.25	0.00	1.25	2175.62	0.13	0.00	6.00	0.52	2.00	1.77	53.86	0.53	83.04	6.00
10	0.10	2.62	4.57	-0.29	0.17	2.62	0.17	5.00	2.11	15.11	1.41	0.00	1.41	1863.25	0.17	0.00	6.00	0.54	2.00	1.82	51.69	-0.21	78.06	6.00
11	0.11	2.65	4.22	-2.68	0.16	2.65	0.16	5.00	2.10	15.02	1.56	0.00	1.56	1702.23	0.16	0.00	6.00	0.54	2.00	1.80	52.27	-1.72	79.49	6.00
12	0.12	2.57	4.22	-2.68	0.16	2.57	0.16	5.00	2.11	15.01	1.71	0.00	1.71	1505.48	0.16	0.00	6.00	0.54	2.00	1.82	50.68	-1.57	77.47	6.00
13	0.13	2.46	4.29	-2.78	0.17	2.46	0.17	5.00	2.14	15.01	1.86	0.00	1.86	1324.35	0.17	0.00	6.00	0.55	2.00	1.84	48.51	-1.50	74.56	6.00
14	0.14	2.33	4.57	-2.97	0.20	2.33	0.20	5.00	2.17	15.06	2.01	0.00	2.01	1160.05	0.20	0.00	6.00	0.57	2.00	1.88	45.94	-1.48	70.79	6.00
15	0.15	2.31	4.48	-2.49	0.19	2.31	0.19	5.00	2.17	15.03	2.16	0.00	2.16	1069.88	0.19	0.00	6.00	0.57	2.00	1.88	45.54	-1.15	70.45	6.00
16	0.16	2.25	3.85	-2.78	0.17	2.25	0.17	5.00	2.17	14.85	2.31	0.00	2.31	974.84	0.17	0.00	6.00	0.57	2.00	1.88	44.35	-1.21	70.05	6.00
17	0.17	2.10	4.26	-2.68	0.20	2.10	0.20	5.00	2.22	14.94	2.45	0.00	2.45	854.34	0.20	0.00	6.00	0.59	2.00	1.93	41.39	-1.09	65.54	6.00
18	0.18	2.03	4.07	-2.68	0.20	2.03	0.20	5.00	2.23	14.87	2.60	0.00	2.60	778.58	0.20	0.00	6.00	0.59	2.00	1.94	40.01	-1.03	64.08	6.00
19	0.19	1.93	4.13	-2.68	0.21	1.93	0.21	5.00	2.26	14.87	2.75	0.00	2.75	700.12	0.21	0.00	6.00	0.60	2.00	1.97	38.03	-0.97	61.46	6.00
20	0.20	1.86	6.15	-2.78	0.33	1.86	0.33	5.00	2.33	15.32	2.91	0.00	2.91	639.05	0.33	0.00	6.00	0.63	2.00	2.04	36.64	-0.96	56.79	6.00
21	0.21	1.80	5.58	-2.68	0.31	1.80	0.31	5.00	2.33	15.19	3.06	0.00	3.06	587.63	0.31	0.00	6.00	0.63	2.00	2.05	35.46	-0.88	56.11	6.00
22	0.22	1.70	6.09	-2.68	0.36	1.70	0.36	5.00	2.38	15.27	3.21	0.00	3.21	528.47	0.36	0.00	5.00	0.65	2.00	2.09	33.48	-0.83	53.01	6.00
23	0.23	1.60	6.72	-2.68	0.42	1.60	0.42	5.00	2.42	15.36	3.36	0.00	3.36	474.56	0.42	0.00	5.00	0.67	2.00	2.14	31.50	-0.80	49.85	6.00
24	0.24	1.48	8.77	-2.78	0.59	1.48	0.59	5.00	2.51	15.64	3.52	0.00	3.52	419.33	0.59	0.00	5.00	0.70	2.00	2.24	29.13	-0.79	44.82	6.00
25	0.25	1.44	7.85	-2.88	0.54	1.44	0.55	5.00	2.51	15.50	3.67	0.00	3.67	390.71	0.55	0.00	5.00	0.70	2.00	2.23	28.34	-0.78	44.84	6.00
26	0.26	1.40	9.11	-2.97	0.65	1.40	0.65	5.00	2.55	15.66	3.83	0.00	3.83	364.26	0.65	0.00	5.00	0.72	2.00	2.28	27.55	-0.78	42.67	6.00
27	0.27	1.34	10.53	-3.64	0.79	1.34	0.79	4.00	2.60	15.81	3.99	0.00	3.99	334.71	0.79	0.00	5.00	0.74	2.00	2.33	26.36	-0.91	40.05	6.00
28	0.28	1.32	11.13	-3.74	0.84	1.32	0.84	4.00	2.62	15.87	4.15	0.00	4.15	317.04	0.85	0.00	5.00	0.75	2.00	2.35	25.96	-0.90	39.10	6.00
29	0.29	1.31	12.04	-3.93	0.92	1.31	0.92	4.00	2.64	15.95	4.31	0.00	4.31	302.93	0.92	0.00	5.00	0.76	2.00	2.38	25.76	-0.91	38.13	6.00
30	0.30	1.30	13.53	-4.03	1.04	1.30	1.04	4.00	2.67	16.08	4.47	0.00	4.47	289.75	1.05	0.00	5.00	0.77	2.00	2.41	25.56	-0.90	36.77	6.00
31	0.31	1.30	14.85	-4.31	1.14	1.30	1.14	4.00	2.69	16.19	4.63	0.00	4.63	279.57	1.15	0.00	5.00	0.78	2.00	2.43	25.55	-0.93	35.80	6.00
32	0.32	1.29	15.23	-4.22	1.18	1.29	1.18	4.00	2.70	16.22	4.79	0.00	4.79	267.99	1.19	0.00	5.00	0.78	2.00	2.44	25.35	-0.88	35.33	6.00
33	0.33	1.29	16.05	-4.22	1.24	1.29	1.25	4.00	2.71	16.28	4.96	0.00	4.96	259.15	1.25	0.00	5.00	0.79	2.00	2.45	25.35	-0.85	34.76	6.00
34	0.34	1.28	17.25	-4.22	1.35	1.28	1.35	4.00	2.73	16.36	5.12	0.00	5.12	248.89	1.35	0.00	5.00	0.79	2.00	2.47	25.15	-0.82	33.78	6.00
35	0.35	1.28	17.69	-4.31	1.39	1.28	1.38	4.00	2.73	16.39	5.28	0.00	5.28	241.13	1.39	0.00	5.00	0.80	2.00	2.48	25.14	-0.82	33.50	6.00
36	0.36	1.26	19.23	-4.31	1.53	1.26	1.53	4.00	2.76	16.48	5.45	0.00	5.45	230.14	1.53	0.00	5.00	0.81	2.00	2.51	24.75	-0.79	32.18	6.00
37	0.37	1.25	19.36	-4.31	1.55	1.25	1.55	4.00	2.77	16.48	5.61	0.00	5.61	221.57	1.56	0.00	5.00	0.81	2.00	2.51	24.54	-0.77	31.92	4.00
38	0.38	1.23	19.33	-4.31	1.57	1.23	1.57	4.00	2.77	16.47	5.78	0.00	5.78	211.76	1.58	0.00	5.00	0.81	2.00	2.52	24.15	-0.75	31.57	4.00
39	0.39	1.21	19.58	-4.31	1.62	1.21	1.62	4.00	2.79	16.48	5.94	0.00	5.94	202.49	1.63	0.00	4.00	0.82	2.00	2.54	23.75	-0.73	31.06	4.00
40	0.40	1.14	20.49	-4.41	1.80	1.14	1.80	4.00	2.83	16.51	6.11	0.00	6.11	185.52	1.81	0.00	4.00	0.84	2.00	2.58	22.36	-0.72	29.30	4.00
41	0.41	1.09	20.65	-4.50	1.90	1.09	1.90	4.00	2.86	16.50	6.27	0.00	6.27	172.64	1.91	0.00	4.00	0.85	2.00	2.61	21.37	-0.72	28.32	4.00
42	0.42	0.98	21.09	-4.70	2.16	0.98	2.15	3.00	2.93	16.49	6.44	0.00	6.44	151.10	2.17	0.00	4.00	0.88	2.00	2.68	19.20	-0.73	26.16	4.00
43	0.43	0.92	21.22	-4.79	2.30	0.92	2.31	3.00	2.97	16.47	6.60	0.00	6.60	138.21	2.33	-0.01	4.00	0.89	2.00	2.72	18.01	-0.73	25.03	4.00
44	0.44	0.85	20.97	-4.89	2.47	0.85	2.47	3.00	3.01	16.43	6.77	0.00	6.77	124.48	2.49	-0.01	4.00	0.91	2.00	2.77	16.62	-0.72	23.90	4.00
45	0.45	0.82	20.75	-4.89	2.52	0.82	2.53	3.00	3.03	16.40	6.93	0.00	6.93	117.18	2.56	-0.01	4.00	0.92	2.00	2.79	16.03	-0.71	23.46	4.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
46	0.46	0.81	20.27	-4.98	2.50	0.81	2.51	3.00	3.04	16.37	7.09	0.00	7.09	113.04	2.53	-0.01	4.00	0.92	2.00	2.79	15.83	-0.70	23.48	4.00
47	0.47	0.80	19.33	-4.98	2.41	0.80	2.42	3.00	3.03	16.31	7.26	0.00	7.26	109.10	2.44	-0.01	4.00	0.92	2.00	2.79	15.63	-0.69	23.69	4.00
48	0.48	0.81	19.01	-4.98	2.34	0.81	2.35	3.00	3.02	16.29	7.42	0.00	7.42	108.03	2.37	-0.01	4.00	0.91	2.00	2.77	15.82	-0.67	24.01	4.00
49	0.49	0.82	18.70	-4.98	2.29	0.82	2.28	3.00	3.01	16.28	7.58	0.00	7.58	107.01	2.30	-0.01	4.00	0.91	2.00	2.76	16.02	-0.66	24.33	4.00
50	0.50	0.84	18.04	-4.98	2.14	0.84	2.15	3.00	2.99	16.25	7.74	0.00	7.74	107.33	2.17	-0.01	4.00	0.90	2.00	2.74	16.41	-0.64	25.00	4.00
51	0.51	0.87	17.69	-4.89	2.04	0.87	2.04	3.00	2.96	16.24	7.91	0.00	7.91	108.90	2.05	-0.01	4.00	0.89	2.00	2.71	17.00	-0.62	25.73	4.00
52	0.52	0.93	17.18	-4.79	1.85	0.93	1.85	4.00	2.92	16.23	8.07	0.00	8.07	114.12	1.87	-0.01	4.00	0.87	2.00	2.67	18.18	-0.59	27.12	4.00
53	0.53	0.98	17.03	-4.60	1.73	0.98	1.74	4.00	2.88	16.24	8.23	0.00	8.23	117.93	1.75	0.00	4.00	0.86	2.00	2.63	19.16	-0.56	28.14	4.00
54	0.54	1.03	16.68	-4.60	1.63	1.03	1.62	4.00	2.85	16.24	8.39	0.00	8.39	121.59	1.63	0.00	4.00	0.84	2.00	2.60	20.15	-0.55	29.29	4.00
55	0.55	1.06	17.18	-4.60	1.62	1.06	1.62	4.00	2.84	16.28	8.56	0.00	8.56	122.76	1.64	0.00	4.00	0.84	2.00	2.59	20.73	-0.54	29.58	4.00
56	0.56	1.07	17.53	-4.60	1.64	1.07	1.64	4.00	2.84	16.31	8.72	0.00	8.72	121.59	1.65	0.00	4.00	0.84	2.00	2.59	20.93	-0.53	29.57	4.00
57	0.57	1.09	17.75	-4.50	1.63	1.09	1.63	4.00	2.83	16.33	8.88	0.00	8.88	121.59	1.64	0.00	4.00	0.84	2.00	2.58	21.32	-0.51	29.82	4.00
58	0.58	1.11	18.04	-4.50	1.62	1.11	1.63	4.00	2.82	16.35	9.05	0.00	9.05	121.59	1.64	0.00	4.00	0.83	2.00	2.57	21.71	-0.50	30.03	4.00
59	0.59	1.13	18.29	-4.50	1.62	1.13	1.62	4.00	2.81	16.38	9.21	0.00	9.21	121.58	1.63	0.00	4.00	0.83	2.00	2.56	22.10	-0.49	30.26	4.00
60	0.60	1.11	18.92	-4.50	1.70	1.11	1.71	4.00	2.83	16.41	9.37	0.00	9.37	117.30	1.72	0.00	4.00	0.84	2.00	2.58	21.71	-0.48	29.54	4.00
61	0.61	1.10	19.33	-4.60	1.76	1.10	1.76	4.00	2.84	16.43	9.54	0.00	9.54	114.21	1.77	0.00	4.00	0.84	2.00	2.59	21.50	-0.48	29.13	4.00
62	0.62	1.08	20.08	-4.60	1.86	1.08	1.86	4.00	2.86	16.47	9.70	0.00	9.70	110.20	1.88	0.00	4.00	0.85	2.00	2.61	21.11	-0.47	28.37	4.00
63	0.63	1.08	20.27	-4.60	1.88	1.08	1.88	4.00	2.86	16.48	9.87	0.00	9.87	108.34	1.90	0.00	4.00	0.85	2.00	2.62	21.10	-0.47	28.27	4.00
64	0.64	1.07	20.56	-4.70	1.92	1.07	1.92	4.00	2.87	16.49	10.03	0.00	10.03	105.54	1.94	0.00	4.00	0.86	2.00	2.63	20.90	-0.47	27.95	4.00
65	0.65	1.06	21.00	-4.70	1.99	1.06	1.98	4.00	2.88	16.51	10.20	0.00	10.20	102.84	2.00	0.00	4.00	0.86	2.00	2.64	20.70	-0.46	27.55	4.00
66	0.66	1.03	21.57	-4.79	2.10	1.03	2.10	4.00	2.91	16.53	10.36	0.00	10.36	98.29	2.12	0.00	4.00	0.87	2.00	2.66	20.11	-0.46	26.74	4.00
67	0.67	1.00	21.82	-4.79	2.17	1.00	2.18	3.00	2.93	16.53	10.53	0.00	10.53	93.88	2.21	0.00	4.00	0.88	2.00	2.68	19.51	-0.45	26.10	4.00
68	0.68	0.96	22.64	-4.98	2.37	0.96	2.36	3.00	2.96	16.56	10.69	0.00	10.69	88.66	2.39	-0.01	4.00	0.89	2.00	2.72	18.72	-0.47	25.04	5.00
69	0.69	0.92	22.70	-4.98	2.46	0.92	2.47	3.00	2.99	16.55	10.86	0.00	10.86	83.62	2.50	-0.01	4.00	0.90	2.00	2.74	17.92	-0.46	24.32	5.00
70	0.70	0.87	22.13	-5.08	2.56	0.87	2.55	3.00	3.01	16.50	11.03	0.00	11.03	77.81	2.58	-0.01	4.00	0.91	2.00	2.77	16.93	-0.46	23.69	4.00
71	0.71	0.83	21.85	-5.18	2.64	0.83	2.64	3.00	3.04	16.46	11.19	0.00	11.19	73.08	2.67	-0.01	4.00	0.92	2.00	2.80	16.14	-0.46	23.11	4.00
72	0.72	0.81	21.85	-5.27	2.71	0.81	2.70	3.00	3.05	16.45	11.35	0.00	11.35	70.24	2.74	-0.01	4.00	0.93	2.00	2.81	15.74	-0.46	22.75	4.00
73	0.73	0.77	21.66	-5.27	2.80	0.77	2.82	3.00	3.08	16.42	11.52	0.00	11.52	65.75	2.86	-0.01	4.00	0.94	2.00	2.84	14.95	-0.46	22.13	4.00
74	0.74	0.76	21.28	-5.37	2.79	0.76	2.80	3.00	3.09	16.40	11.68	0.00	11.68	63.96	2.85	-0.01	4.00	0.94	2.00	2.85	14.75	-0.46	22.10	4.00
75	0.75	0.76	21.09	-5.37	2.78	0.76	2.78	3.00	3.08	16.39	11.85	0.00	11.85	63.06	2.82	-0.01	4.00	0.94	2.00	2.84	14.75	-0.45	22.17	4.00
76	0.76	0.76	20.53	-5.37	2.69	0.76	2.71	3.00	3.08	16.36	12.01	0.00	12.01	62.19	2.75	-0.01	4.00	0.94	2.00	2.84	14.74	-0.45	22.39	4.00
77	0.77	0.77	20.24	-5.37	2.63	0.77	2.63	3.00	3.07	16.35	12.17	0.00	12.17	62.16	2.67	-0.01	4.00	0.93	2.00	2.83	14.94	-0.44	22.68	4.00
78	0.78	0.79	19.58	-5.37	2.49	0.79	2.48	3.00	3.04	16.32	12.34	0.00	12.34	62.94	2.52	-0.01	4.00	0.92	2.00	2.80	15.33	-0.44	23.31	4.00
79	0.79	0.79	19.52	-5.37	2.49	0.79	2.47	3.00	3.04	16.32	12.50	0.00	12.50	62.11	2.51	-0.01	4.00	0.92	2.00	2.80	15.32	-0.43	23.33	4.00
80	0.80	0.79	19.36	-5.37	2.47	0.79	2.45	3.00	3.04	16.31	12.66	0.00	12.66	61.30	2.49	-0.01	4.00	0.92	2.00	2.80	15.32	-0.42	23.40	4.00
81	0.81	0.79	18.32	-5.46	2.32	0.79	2.32	3.00	3.03	16.24	12.83	0.00	12.83	60.51	2.36	-0.01	4.00	0.92	2.00	2.79	15.32	-0.43	23.85	4.00
82	0.82	0.80	17.78	-5.46	2.22	0.80	2.23	3.00	3.01	16.21	12.99	0.00	12.99	60.51	2.26	-0.01	4.00	0.91	2.00	2.77	15.51	-0.42	24.27	4.00
83	0.83	0.80	17.78	-5.46	2.22	0.80	2.23	3.00	3.01	16.21	13.15	0.00	13.15	59.75	2.26	-0.01	4.00	0.91	2.00	2.77	15.51	-0.42	24.27	4.00
84	0.84	0.80	17.78	-5.46	2.22	0.80	2.23	3.00	3.01	16.21	13.31	0.00	13.31	59.01	2.26	-0.01	4.00	0.91	2.00	2.77	15.51	-0.41	24.27	4.00
85	0.85	0.82	16.52	-8.63	2.01	0.82	2.02	3.00	2.98	16.14	13.47	0.00	13.47	59.73	2.05	-0.01	4.00	0.90	2.00	2.74	15.88	-0.64	25.23	4.00
86	0.86	0.82	16.52	-8.63	2.01	0.82	2.02	3.00	2.98	16.14	13.63	0.00	13.63	59.01	2.05	-0.01	4.00	0.90	2.00	2.74	15.88	-0.63	25.22	4.00
87	0.87	0.82	16.52	-8.63	2.01	0.82	2.02	3.00	2.98	16.14	13.80	0.00	13.80	58.31	2.05	-0.01	4.00	0.90	2.00	2.74	15.88	-0.63	25.22	4.00
88	0.88	0.84	15.54	-5.94	1.85	0.84	1.85	3.00	2.95	16.08	13.96	0.00	13.96	59.10	1.88	-0.01	4.00	0.89	2.00	2.71	16.28	-0.43	26.10	4.00
89	0.89	0.88	15.26	-5.85	1.73	0.88	1.74	4.00	2.92	16.07	14.12	0.00	14.12	61.25	1.76	-0.01	4.00	0.88	2.00	2.68	17.07	-0.41	27.03	4.00
90	0.90	0.94	14.63	-5.75	1.56	0.94	1.56	4.00	2.87	16.05	14.28	0.00	14.28	64.75	1.58	-0.01	4.00	0.86	2.00	2.63	18.25	-0.40	28.57	4.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
91	0.91	0.96	14.66	-5.75	1.53	0.96	1.53	4.00	2.86	16.06	14.44	0.00	14.44	65.40	1.55	-0.01	4.00	0.85	2.00	2.61	18.64	-0.40	28.95	4.00
92	0.92	1.01	15.04	-5.65	1.48	1.01	1.49	4.00	2.84	16.11	14.60	0.00	14.60	68.10	1.51	-0.01	4.00	0.84	2.00	2.59	19.62	-0.39	29.72	4.00
93	0.93	1.04	15.29	-5.56	1.48	1.04	1.47	4.00	2.82	16.14	14.76	0.00	14.76	69.38	1.49	-0.01	4.00	0.84	2.00	2.57	20.21	-0.38	30.16	4.00
94	0.94	1.07	15.92	-5.56	1.49	1.07	1.49	4.00	2.82	16.20	14.92	0.00	14.92	70.62	1.51	-0.01	4.00	0.84	2.00	2.57	20.80	-0.37	30.37	4.00
95	0.95	1.17	16.74	-5.37	1.42	1.17	1.43	4.00	2.77	16.29	15.09	0.00	15.09	76.48	1.45	0.00	5.00	0.82	2.00	2.52	22.77	-0.36	31.81	4.00
96	0.96	1.23	17.28	-5.37	1.41	1.23	1.41	4.00	2.75	16.34	15.25	0.00	15.25	79.58	1.42	0.00	5.00	0.81	2.00	2.50	23.96	-0.35	32.62	6.00
97	0.97	1.42	18.95	-5.08	1.34	1.42	1.34	4.00	2.69	16.51	15.41	0.00	15.41	91.05	1.35	0.00	5.00	0.79	2.00	2.44	27.70	-0.33	35.10	6.00
98	0.98	1.53	19.83	-4.98	1.30	1.53	1.30	4.00	2.65	16.59	15.58	0.00	15.58	97.13	1.31	0.00	5.00	0.77	2.00	2.40	29.87	-0.32	36.53	6.00
99	0.99	1.59	20.65	-4.98	1.30	1.59	1.30	4.00	2.64	16.65	15.75	0.00	15.75	99.91	1.31	0.00	5.00	0.77	2.00	2.39	31.05	-0.32	37.06	7.00
100	1.00	1.67	23.08	-4.79	1.38	1.67	1.38	4.00	2.63	16.80	15.91	0.00	15.91	103.87	1.40	0.00	5.00	0.77	2.00	2.39	32.63	-0.30	36.89	7.00
101	1.01	1.68	24.78	-4.79	1.47	1.68	1.48	4.00	2.64	16.88	16.08	0.00	16.08	103.39	1.49	0.00	5.00	0.77	2.00	2.40	32.82	-0.30	36.01	7.00
102	1.02	1.70	25.82	-4.12	1.52	1.70	1.52	4.00	2.65	16.93	16.25	0.00	16.25	103.54	1.53	0.00	5.00	0.77	2.00	2.40	33.22	-0.25	35.73	7.00
103	1.03	1.54	34.02	-3.45	2.20	1.54	2.21	4.00	2.77	17.21	16.42	0.00	16.42	92.72	2.23	0.00	4.00	0.82	2.00	2.54	30.06	-0.21	29.21	5.00
104	1.04	1.44	38.43	-3.55	2.67	1.44	2.67	4.00	2.84	17.32	16.60	0.00	16.60	85.71	2.70	0.00	4.00	0.85	2.00	2.61	28.08	-0.21	26.11	5.00
105	1.05	1.28	39.95	-3.64	3.12	1.28	3.12	3.00	2.92	17.32	16.77	0.00	16.77	75.27	3.16	0.00	4.00	0.88	2.00	2.69	24.92	-0.22	23.46	5.00
106	1.06	1.22	39.10	-3.74	3.20	1.22	3.21	3.00	2.95	17.28	16.94	0.00	16.94	70.95	3.25	0.00	4.00	0.89	2.00	2.72	23.73	-0.22	22.92	5.00
107	1.07	1.18	38.37	-3.83	3.25	1.18	3.25	3.00	2.96	17.25	17.12	0.00	17.12	67.89	3.30	0.00	4.00	0.90	2.00	2.73	22.94	-0.22	22.60	5.00
108	1.08	1.10	37.68	-3.93	3.42	1.10	3.43	3.00	3.00	17.20	17.29	0.00	17.29	62.58	3.48	0.00	4.00	0.91	2.00	2.77	21.35	-0.23	21.72	3.00
109	1.09	1.07	37.39	-4.03	3.50	1.07	3.50	3.00	3.02	17.18	17.46	0.00	17.46	60.23	3.56	0.00	4.00	0.92	2.00	2.79	20.76	-0.23	21.39	3.00
110	1.10	1.01	36.51	-4.12	3.60	1.01	3.62	3.00	3.05	17.13	17.63	0.00	17.63	56.23	3.68	0.00	3.00	0.93	2.00	2.82	19.57	-0.23	20.81	3.00
111	1.11	0.98	35.00	-4.12	3.56	0.98	3.57	3.00	3.05	17.07	17.80	0.00	17.80	54.00	3.64	0.00	3.00	0.93	2.00	2.82	18.98	-0.23	20.83	3.00
112	1.12	0.97	33.99	-4.22	3.52	0.97	3.51	3.00	3.05	17.03	17.97	0.00	17.97	52.92	3.57	0.00	3.00	0.93	2.00	2.82	18.77	-0.23	20.99	3.00
113	1.13	0.96	32.76	-4.22	3.43	0.96	3.42	3.00	3.05	16.99	18.14	0.00	18.14	51.87	3.48	0.00	3.00	0.93	2.00	2.82	18.57	-0.23	21.22	3.00
114	1.14	0.93	29.57	-4.22	3.16	0.93	3.18	3.00	3.04	16.86	18.31	0.00	18.31	49.74	3.25	0.00	4.00	0.93	2.00	2.81	17.98	-0.23	21.80	3.00
115	1.15	0.92	27.84	-4.31	3.03	0.92	3.03	3.00	3.03	16.78	18.48	0.00	18.48	48.74	3.09	0.00	4.00	0.93	2.00	2.80	17.78	-0.23	22.23	5.00
116	1.16	0.89	23.65	-4.31	2.65	0.89	2.66	3.00	3.02	16.58	18.64	0.00	18.64	46.69	2.72	0.00	4.00	0.92	2.00	2.78	17.18	-0.23	23.30	5.00
117	1.17	0.88	18.95	-4.41	2.16	0.88	2.16	3.00	2.97	16.32	18.81	0.00	18.81	45.74	2.20	-0.01	4.00	0.90	2.00	2.73	16.98	-0.23	25.12	4.00
118	1.18	0.87	15.07	-4.31	1.74	0.87	1.73	4.00	2.93	16.05	18.97	0.00	18.97	44.82	1.77	-0.01	4.00	0.88	2.00	2.68	16.78	-0.23	26.85	4.00
119	1.19	0.85	12.11	-4.41	1.43	0.85	1.43	4.00	2.89	15.79	19.13	0.00	19.13	43.39	1.46	-0.01	4.00	0.87	2.00	2.65	16.38	-0.23	28.09	4.00
120	1.20	0.84	11.67	-4.41	1.39	0.84	1.39	4.00	2.89	15.75	19.28	0.00	19.28	42.51	1.42	-0.01	4.00	0.87	2.00	2.65	16.18	-0.23	28.14	4.00
121	1.21	0.82	11.13	-4.50	1.35	0.82	1.36	4.00	2.90	15.68	19.44	0.00	19.44	41.13	1.39	-0.01	4.00	0.87	2.00	2.65	15.78	-0.23	28.03	4.00
122	1.22	0.81	11.07	-4.50	1.36	0.81	1.37	4.00	2.90	15.67	19.60	0.00	19.60	40.28	1.40	-0.01	4.00	0.87	2.00	2.66	15.58	-0.23	27.85	4.00
123	1.23	0.81	11.13	-4.60	1.38	0.81	1.38	4.00	2.90	15.68	19.75	0.00	19.75	39.95	1.41	-0.01	4.00	0.87	2.00	2.66	15.58	-0.23	27.81	4.00
124	1.24	0.79	11.29	-4.50	1.43	0.79	1.43	4.00	2.92	15.69	19.91	0.00	19.91	38.63	1.47	-0.01	4.00	0.88	2.00	2.68	15.18	-0.23	27.29	4.00
125	1.25	0.79	11.51	-4.60	1.47	0.79	1.46	4.00	2.93	15.71	20.07	0.00	20.07	38.32	1.50	-0.01	4.00	0.88	2.00	2.68	15.18	-0.23	27.16	4.00
126	1.26	0.78	11.63	-4.60	1.49	0.78	1.49	4.00	2.94	15.71	20.23	0.00	20.23	37.52	1.53	-0.01	4.00	0.89	2.00	2.69	14.98	-0.23	26.87	4.00
127	1.27	0.77	11.86	-4.60	1.54	0.77	1.54	3.00	2.95	15.73	20.38	0.00	20.38	36.73	1.58	-0.01	4.00	0.89	2.00	2.70	14.78	-0.23	26.53	4.00
128	1.28	0.77	12.01	-4.60	1.55	0.77	1.56	3.00	2.95	15.75	20.54	0.00	20.54	36.44	1.60	-0.01	4.00	0.89	2.00	2.71	14.77	-0.22	26.44	4.00
129	1.29	0.79	11.98	-4.60	1.53	0.79	1.52	4.00	2.93	15.75	20.70	0.00	20.70	37.12	1.56	-0.01	4.00	0.89	2.00	2.69	15.17	-0.22	26.87	4.00
130	1.30	0.79	12.04	-4.60	1.52	0.79	1.53	4.00	2.94	15.76	20.86	0.00	20.86	36.83	1.57	-0.01	4.00	0.89	2.00	2.69	15.16	-0.22	26.84	4.00
131	1.31	0.80	11.92	-4.60	1.49	0.80	1.49	4.00	2.93	15.75	21.01	0.00	21.01	37.03	1.53	-0.01	4.00	0.88	2.00	2.68	15.36	-0.22	27.11	4.00
132	1.32	0.81	11.92	-4.60	1.47	0.81	1.47	4.00	2.92	15.76	21.17	0.00	21.17	37.22	1.51	-0.01	4.00	0.88	2.00	2.67	15.55	-0.22	27.32	4.00
133	1.33	0.82	11.92	-4.60	1.46	0.82	1.46	4.00	2.91	15.76	21.33	0.00	21.33	37.40	1.49	-0.01	4.00	0.88	2.00	2.67	15.75	-0.22	27.53	4.00
134	1.34	0.83	12.17	-4.60	1.47	0.83	1.47	4.00	2.91	15.79	21.49	0.00	21.49	37.58	1.51	-0.01	4.00	0.88	2.00	2.66	15.94	-0.21	27.59	4.00
135	1.35	0.84	12.23	-4.70	1.46	0.84	1.46	4.00	2.90	15.80	21.64	0.00	21.64	37.76	1.50	-0.01	4.00	0.87	2.00	2.66	16.13	-0.22	27.76	4.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
136	1.36	0.85	12.01	-4.60	1.41	0.85	1.41	4.00	2.89	15.78	21.80	0.00	21.80	37.94	1.45	-0.01	4.00	0.87	2.00	2.65	16.33	-0.21	28.10	4.00
137	1.37	0.85	11.86	-4.70	1.39	0.85	1.40	4.00	2.89	15.77	21.96	0.00	21.96	37.66	1.43	-0.01	4.00	0.87	2.00	2.64	16.32	-0.21	28.18	4.00
138	1.38	0.88	11.54	-4.60	1.32	0.88	1.31	4.00	2.86	15.75	22.12	0.00	22.12	38.74	1.35	-0.01	4.00	0.86	2.00	2.62	16.91	-0.21	29.01	4.00
139	1.39	0.89	11.35	-4.60	1.28	0.89	1.28	4.00	2.85	15.74	22.27	0.00	22.27	38.91	1.31	-0.01	4.00	0.85	2.00	2.61	17.11	-0.21	29.34	4.00
140	1.40	0.90	11.10	-4.60	1.23	0.90	1.23	4.00	2.84	15.72	22.43	0.00	22.43	39.08	1.27	-0.01	4.00	0.85	2.00	2.59	17.30	-0.21	29.71	4.00
141	1.41	0.91	10.94	-4.60	1.20	0.91	1.20	4.00	2.83	15.70	22.59	0.00	22.59	39.24	1.23	-0.01	4.00	0.85	2.00	2.58	17.50	-0.20	30.02	4.00
142	1.42	0.93	10.56	-4.60	1.13	0.93	1.14	4.00	2.81	15.67	22.75	0.00	22.75	39.84	1.17	-0.01	4.00	0.84	2.00	2.56	17.89	-0.20	30.70	4.00
143	1.43	0.95	10.47	-4.60	1.11	0.95	1.10	4.00	2.80	15.67	22.90	0.00	22.90	40.44	1.13	0.00	5.00	0.83	2.00	2.55	18.28	-0.20	31.19	4.00
144	1.44	0.95	10.37	-4.60	1.10	0.95	1.09	4.00	2.80	15.66	23.06	0.00	23.06	40.16	1.12	0.00	5.00	0.83	2.00	2.55	18.28	-0.20	31.26	4.00
145	1.45	0.95	10.34	-4.60	1.09	0.95	1.09	4.00	2.80	15.65	23.22	0.00	23.22	39.88	1.12	0.00	5.00	0.83	2.00	2.55	18.27	-0.20	31.27	4.00
146	1.46	0.95	10.28	-4.60	1.09	0.95	1.08	4.00	2.80	15.65	23.37	0.00	23.37	39.61	1.11	0.00	5.00	0.83	2.00	2.55	18.27	-0.20	31.31	4.00
147	1.47	0.93	10.15	-4.60	1.09	0.93	1.09	4.00	2.81	15.63	23.53	0.00	23.53	38.49	1.12	-0.01	4.00	0.84	2.00	2.56	17.87	-0.20	30.96	4.00
148	1.48	0.95	10.12	-4.60	1.07	0.95	1.07	4.00	2.79	15.63	23.68	0.00	23.68	39.07	1.09	0.00	5.00	0.83	2.00	2.54	18.26	-0.19	31.41	4.00
149	1.49	0.98	9.90	-4.60	1.01	0.98	1.01	4.00	2.77	15.62	23.84	0.00	23.84	40.07	1.04	0.00	5.00	0.82	2.00	2.52	18.85	-0.19	32.22	6.00
150	1.50	0.99	9.93	-4.60	1.00	0.99	1.00	4.00	2.77	15.62	24.00	0.00	24.00	40.22	1.03	0.00	5.00	0.82	2.00	2.51	19.05	-0.19	32.42	6.00
151	1.51	1.01	10.15	-4.60	1.01	1.01	1.01	4.00	2.76	15.66	24.15	0.00	24.15	40.78	1.03	0.00	5.00	0.82	2.00	2.51	19.44	-0.19	32.70	6.00
152	1.52	1.01	10.34	-4.60	1.02	1.01	1.02	4.00	2.76	15.68	24.31	0.00	24.31	40.51	1.05	0.00	5.00	0.82	2.00	2.51	19.44	-0.19	32.56	6.00
153	1.53	1.03	10.85	-4.60	1.06	1.03	1.05	4.00	2.76	15.74	24.47	0.00	24.47	41.06	1.08	0.00	5.00	0.82	2.00	2.51	19.83	-0.19	32.63	6.00
154	1.54	1.04	11.26	-4.60	1.09	1.04	1.08	4.00	2.76	15.79	24.63	0.00	24.63	41.19	1.11	0.00	5.00	0.82	2.00	2.51	20.02	-0.19	32.55	6.00
155	1.55	1.04	11.76	-4.60	1.14	1.04	1.13	4.00	2.77	15.84	24.78	0.00	24.78	40.92	1.16	0.00	5.00	0.82	2.00	2.52	20.02	-0.19	32.21	6.00
156	1.56	1.04	12.49	-4.50	1.21	1.04	1.20	4.00	2.78	15.91	24.94	0.00	24.94	40.66	1.23	0.00	5.00	0.83	2.00	2.53	20.02	-0.18	31.71	4.00
157	1.57	1.04	12.45	-4.50	1.20	1.04	1.20	4.00	2.78	15.90	25.10	0.00	25.10	40.39	1.23	0.00	5.00	0.83	2.00	2.53	20.01	-0.18	31.74	4.00
158	1.58	1.05	12.55	-4.60	1.20	1.05	1.20	4.00	2.78	15.92	25.26	0.00	25.26	40.53	1.23	0.00	5.00	0.83	2.00	2.53	20.21	-0.18	31.87	4.00
159	1.59	1.06	12.61	-4.70	1.19	1.06	1.19	4.00	2.77	15.93	25.42	0.00	25.42	40.66	1.22	0.00	5.00	0.82	2.00	2.52	20.40	-0.18	32.04	0.00
160	1.60	1.09	12.96	-4.60	1.19	1.09	1.19	4.00	2.76	15.97	25.58	0.00	25.58	41.57	1.22	0.00	5.00	0.82	2.00	2.51	20.99	-0.18	32.42	6.00
161	1.61	1.10	13.02	-4.50	1.18	1.10	1.18	4.00	2.76	15.98	25.74	0.00	25.74	41.70	1.21	0.00	5.00	0.82	2.00	2.51	21.19	-0.17	32.59	6.00
162	1.62	1.11	13.49	-4.50	1.21	1.11	1.22	4.00	2.76	16.02	25.90	0.00	25.90	41.82	1.25	0.00	5.00	0.82	2.00	2.51	21.38	-0.17	32.48	6.00
163	1.63	1.14	14.76	-4.31	1.29	1.14	1.30	4.00	2.76	16.13	26.06	0.00	26.06	42.71	1.33	0.00	5.00	0.82	2.00	2.52	21.97	-0.17	32.25	6.00
164	1.64	1.21	14.85	-4.22	1.23	1.21	1.23	4.00	2.73	16.16	26.22	0.00	26.22	45.11	1.26	0.00	5.00	0.81	2.00	2.48	23.35	-0.16	33.58	6.00
165	1.65	1.40	14.63	-4.03	1.05	1.40	1.05	4.00	2.64	16.20	26.38	0.00	26.38	52.03	1.07	0.00	5.00	0.77	2.00	2.39	27.10	-0.15	37.52	6.00
166	1.66	1.51	14.57	-3.93	0.96	1.51	0.97	4.00	2.59	16.23	26.55	0.00	26.55	55.85	0.98	0.00	5.00	0.76	2.00	2.34	29.26	-0.15	39.76	6.00
167	1.67	1.65	14.85	-3.74	0.90	1.65	0.90	5.00	2.55	16.28	26.71	0.00	26.71	60.75	0.92	0.00	5.00	0.74	2.00	2.29	32.03	-0.14	42.32	6.00
168	1.68	1.90	15.76	-3.55	0.83	1.90	0.83	5.00	2.47	16.41	26.87	0.00	26.87	69.67	0.84	0.00	5.00	0.71	2.00	2.22	36.96	-0.13	46.44	6.00
169	1.69	1.97	16.46	-3.55	0.84	1.97	0.84	5.00	2.46	16.47	27.04	0.00	27.04	71.83	0.85	0.00	5.00	0.70	2.00	2.21	38.34	-0.13	47.16	6.00
170	1.70	1.95	17.53	-3.64	0.90	1.95	0.90	5.00	2.48	16.54	27.20	0.00	27.20	70.65	0.91	0.00	5.00	0.71	2.00	2.23	37.94	-0.13	45.83	6.00
171	1.71	1.91	18.51	-3.64	0.97	1.91	0.97	5.00	2.50	16.59	27.37	0.00	27.37	68.76	0.98	0.00	5.00	0.72	2.00	2.25	37.15	-0.13	44.25	6.00
172	1.72	1.78	21.09	-3.74	1.19	1.78	1.19	4.00	2.57	16.72	27.54	0.00	27.54	63.61	1.20	0.00	5.00	0.75	2.00	2.33	34.58	-0.14	39.93	7.00
173	1.73	1.73	21.76	-3.83	1.26	1.73	1.26	4.00	2.60	16.74	27.70	0.00	27.70	61.42	1.28	0.00	5.00	0.76	2.00	2.35	33.58	-0.14	38.59	7.00
174	1.74	1.63	22.64	-3.93	1.39	1.63	1.39	4.00	2.64	16.76	27.87	0.00	27.87	57.45	1.41	0.00	5.00	0.78	2.00	2.40	31.61	-0.14	36.28	7.00
175	1.75	1.59	23.08	-3.93	1.45	1.59	1.45	4.00	2.66	16.78	28.04	0.00	28.04	55.68	1.48	0.00	5.00	0.79	2.00	2.42	30.81	-0.14	35.32	7.00
176	1.76	1.50	23.58	-4.03	1.57	1.50	1.57	4.00	2.70	16.78	28.21	0.00	28.21	52.15	1.60	0.00	5.00	0.80	2.00	2.46	29.03	-0.14	33.49	7.00
177	1.77	1.46	23.90	-4.03	1.64	1.46	1.64	4.00	2.72	16.78	28.38	0.00	28.38	50.42	1.67	0.00	5.00	0.81	2.00	2.48	28.24	-0.14	32.64	7.00
178	1.78	1.39	24.31	-4.12	1.74	1.39	1.75	4.00	2.75	16.78	28.54	0.00	28.54	47.67	1.79	0.00	4.00	0.82	2.00	2.52	26.86	-0.14	31.24	5.00
179	1.79	1.36	24.59	-4.12	1.81	1.36	1.81	4.00	2.77	16.79	28.71	0.00	28.71	46.34	1.85	0.00	4.00	0.83	2.00	2.53	26.26	-0.14	30.59	5.00
180	1.80	1.31	24.62	-4.22	1.87	1.31	1.88	4.00	2.79	16.78	28.88	0.00	28.88	44.33	1.92	0.00	4.00	0.84	2.00	2.56	25.27	-0.15	29.74	5.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
181	1.81	1.29	24.37	-4.22	1.89	1.29	1.89	4.00	2.80	16.76	29.05	0.00	29.05	43.38	1.93	0.00	4.00	0.84	2.00	2.56	24.87	-0.15	29.53	5.00
182	1.82	1.26	23.46	-4.31	1.87	1.26	1.86	4.00	2.80	16.71	29.21	0.00	29.21	42.10	1.91	0.00	4.00	0.84	2.00	2.57	24.28	-0.15	29.47	5.00
183	1.83	1.24	22.58	-4.41	1.82	1.24	1.82	4.00	2.81	16.66	29.38	0.00	29.38	41.17	1.87	0.00	4.00	0.84	2.00	2.57	23.88	-0.15	29.57	5.00
184	1.84	1.22	21.44	-4.31	1.75	1.22	1.76	4.00	2.80	16.59	29.55	0.00	29.55	40.26	1.80	0.00	4.00	0.84	2.00	2.57	23.48	-0.15	29.81	5.00
185	1.85	1.20	19.30	-4.41	1.61	1.20	1.61	4.00	2.79	16.46	29.71	0.00	29.71	39.36	1.65	0.00	4.00	0.84	2.00	2.55	23.08	-0.15	30.60	4.00
186	1.86	1.19	18.51	-4.41	1.55	1.19	1.56	4.00	2.79	16.41	29.87	0.00	29.87	38.80	1.60	0.00	4.00	0.83	2.00	2.55	22.88	-0.15	30.86	4.00
187	1.87	1.18	17.22	-4.50	1.46	1.18	1.46	4.00	2.77	16.32	30.04	0.00	30.04	38.25	1.50	0.00	4.00	0.83	2.00	2.53	22.68	-0.15	31.43	4.00
188	1.88	1.17	16.55	-4.41	1.42	1.17	1.42	4.00	2.77	16.28	30.20	0.00	30.20	37.71	1.45	0.00	5.00	0.83	2.00	2.53	22.48	-0.15	31.64	4.00
189	1.89	1.16	15.95	-4.50	1.37	1.16	1.38	4.00	2.77	16.23	30.36	0.00	30.36	37.17	1.41	0.00	5.00	0.83	2.00	2.53	22.28	-0.15	31.81	4.00
190	1.90	1.14	15.13	-4.50	1.32	1.14	1.33	4.00	2.77	16.16	30.52	0.00	30.52	36.32	1.36	0.00	5.00	0.83	2.00	2.52	21.88	-0.15	31.92	4.00
191	1.91	1.13	14.85	-4.50	1.31	1.13	1.32	4.00	2.77	16.14	30.69	0.00	30.69	35.79	1.35	0.00	5.00	0.83	2.00	2.53	21.68	-0.15	31.90	4.00
192	1.92	1.13	14.85	-4.50	1.31	1.13	1.32	4.00	2.77	16.14	30.85	0.00	30.85	35.60	1.35	0.00	5.00	0.83	2.00	2.53	21.68	-0.15	31.90	4.00
193	1.93	1.13	14.85	-4.50	1.31	1.13	1.32	4.00	2.77	16.14	31.01	0.00	31.01	35.41	1.35	0.00	5.00	0.83	2.00	2.53	21.67	-0.15	31.89	4.00
194	1.94	1.09	10.12	-4.98	0.93	1.09	0.93	4.00	2.71	15.68	31.17	0.00	31.17	33.94	0.96	0.00	5.00	0.80	2.00	2.46	20.88	-0.16	34.32	6.00
195	1.95	1.08	9.90	-4.98	0.91	1.08	0.92	4.00	2.71	15.65	31.32	0.00	31.32	33.45	0.94	0.00	5.00	0.80	2.00	2.46	20.68	-0.16	34.26	6.00
196	1.96	1.08	9.84	-5.08	0.91	1.08	0.91	4.00	2.71	15.65	31.48	0.00	31.48	33.27	0.94	0.00	5.00	0.80	2.00	2.46	20.68	-0.16	34.30	6.00
197	1.97	1.08	9.68	-5.08	0.90	1.08	0.90	4.00	2.71	15.63	31.64	0.00	31.64	33.11	0.92	0.00	5.00	0.80	2.00	2.46	20.67	-0.16	34.42	6.00
198	1.98	1.08	9.65	-5.08	0.89	1.08	0.89	4.00	2.71	15.62	31.79	0.00	31.79	32.94	0.92	0.00	5.00	0.80	2.00	2.46	20.67	-0.16	34.44	6.00
199	1.99	1.08	9.62	-5.08	0.89	1.08	0.89	4.00	2.71	15.62	31.95	0.00	31.95	32.77	0.92	0.00	5.00	0.80	2.00	2.46	20.67	-0.16	34.46	6.00
200	2.00	1.08	9.59	-5.08	0.88	1.08	0.89	4.00	2.71	15.62	32.10	0.00	32.10	32.61	0.92	0.00	5.00	0.80	2.00	2.46	20.66	-0.16	34.48	6.00
201	2.01	1.09	9.52	-5.08	0.87	1.09	0.87	4.00	2.70	15.61	32.26	0.00	32.26	32.76	0.90	0.00	5.00	0.80	2.00	2.45	20.86	-0.16	34.75	6.00
202	2.02	1.11	9.46	-4.98	0.85	1.11	0.85	4.00	2.69	15.61	32.42	0.00	32.42	33.21	0.88	0.00	5.00	0.80	2.00	2.44	21.25	-0.15	35.24	6.00
203	2.03	1.13	9.33	-5.08	0.83	1.13	0.83	4.00	2.68	15.60	32.57	0.00	32.57	33.66	0.85	0.00	5.00	0.79	2.00	2.42	21.64	-0.16	35.79	6.00
204	2.04	1.13	9.33	-5.08	0.82	1.13	0.83	4.00	2.68	15.60	32.73	0.00	32.73	33.49	0.85	0.00	5.00	0.79	2.00	2.42	21.64	-0.16	35.78	6.00
205	2.05	1.15	9.52	-4.98	0.83	1.15	0.83	4.00	2.67	15.63	32.88	0.00	32.88	33.94	0.85	0.00	5.00	0.79	2.00	2.42	22.03	-0.15	36.07	6.00
206	2.06	1.16	9.65	-4.98	0.83	1.16	0.83	4.00	2.67	15.65	33.04	0.00	33.04	34.08	0.86	0.00	5.00	0.79	2.00	2.42	22.22	-0.15	36.19	6.00
207	2.07	1.19	9.87	-4.98	0.83	1.19	0.83	4.00	2.66	15.69	33.20	0.00	33.20	34.81	0.85	0.00	5.00	0.78	2.00	2.41	22.81	-0.15	36.67	6.00
208	2.08	1.22	9.93	-4.98	0.82	1.22	0.81	4.00	2.64	15.70	33.35	0.00	33.35	35.55	0.84	0.00	5.00	0.78	2.00	2.39	23.40	-0.15	37.28	6.00
209	2.09	1.26	10.03	-4.89	0.80	1.26	0.80	4.00	2.63	15.73	33.51	0.00	33.51	36.57	0.82	0.00	5.00	0.77	2.00	2.37	24.19	-0.15	38.07	6.00
210	2.10	1.35	10.40	-4.70	0.77	1.35	0.77	4.00	2.59	15.80	33.67	0.00	33.67	39.07	0.79	0.00	5.00	0.76	2.00	2.34	25.96	-0.14	39.73	6.00
211	2.11	1.42	10.69	-4.60	0.75	1.42	0.75	5.00	2.57	15.85	33.83	0.00	33.83	40.95	0.77	0.00	5.00	0.75	2.00	2.32	27.34	-0.14	40.99	6.00
212	2.12	1.50	10.94	-4.60	0.73	1.50	0.73	5.00	2.54	15.90	33.99	0.00	33.99	43.11	0.75	0.00	5.00	0.74	2.00	2.29	28.92	-0.14	42.49	6.00
213	2.13	1.73	11.51	-4.31	0.67	1.73	0.67	5.00	2.47	16.01	34.15	0.00	34.15	49.64	0.68	0.00	5.00	0.71	2.00	2.21	33.46	-0.13	46.87	6.00
214	2.14	1.88	11.82	-4.12	0.63	1.88	0.63	5.00	2.43	16.07	34.31	0.00	34.31	53.77	0.64	0.00	5.00	0.69	2.00	2.17	36.41	-0.12	49.73	6.00
215	2.15	2.08	12.14	-4.03	0.58	2.08	0.58	5.00	2.37	16.14	34.47	0.00	34.47	59.32	0.59	0.00	5.00	0.67	2.00	2.11	40.36	-0.12	53.59	6.00
216	2.16	2.60	13.08	-3.55	0.50	2.60	0.50	5.00	2.26	16.31	34.63	0.00	34.63	74.05	0.51	0.00	6.00	0.63	1.97	2.00	49.77	-0.10	62.67	6.00
217	2.17	2.96	13.49	-3.35	0.46	2.96	0.46	5.00	2.19	16.40	34.80	0.00	34.80	84.05	0.46	0.00	6.00	0.61	1.91	1.94	55.26	-0.10	68.34	6.00
218	2.18	3.85	14.28	-2.88	0.37	3.85	0.37	6.00	2.05	16.56	34.96	0.00	34.96	109.10	0.37	0.00	6.00	0.56	1.81	1.82	68.27	-0.08	81.91	7.00
219	2.19	4.26	14.88	-2.68	0.35	4.26	0.35	6.00	2.00	16.65	35.13	0.00	35.13	120.25	0.35	0.00	6.00	0.54	1.78	1.77	74.10	-0.08	87.51	7.00
220	2.20	4.56	15.70	-2.59	0.34	4.56	0.34	6.00	1.97	16.74	35.30	0.00	35.30	128.18	0.35	0.00	6.00	0.53	1.76	1.75	78.37	-0.07	90.92	7.00
221	2.21	4.57	17.81	-2.59	0.39	4.57	0.39	6.00	1.99	16.88	35.47	0.00	35.47	127.84	0.39	0.00	6.00	0.54	1.77	1.77	79.01	-0.07	88.10	7.00
222	2.22	4.35	19.77	-2.68	0.45	4.35	0.45	6.00	2.04	16.98	35.63	0.00	35.63	121.06	0.46	0.00	6.00	0.56	1.79	1.82	76.34	-0.08	82.24	7.00
223	2.23	3.69	23.96	-2.97	0.65	3.69	0.65	5.00	2.17	17.14	35.81	0.00	35.81	102.04	0.66	0.00	6.00	0.61	1.88	1.94	67.86	-0.08	68.00	7.00
224	2.24	3.48	26.52	-3.07	0.76	3.48	0.76	5.00	2.23	17.24	35.98	0.00	35.98	95.71	0.77	0.00	6.00	0.63	1.92	1.99	65.09	-0.09	62.51	7.00
225	2.25	3.09	29.86	-3.26	0.97	3.09	0.97	5.00	2.32	17.33	36.15	0.00	36.15	84.45	0.98	0.00	5.00	0.66	1.98	2.08	59.59	-0.09	54.25	7.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
226	2.26	2.91	31.50	-3.45	1.08	2.91	1.08	5.00	2.37	17.37	36.33	0.00	36.33	79.09	1.10	0.00	5.00	0.68	2.00	2.13	56.71	-0.09	50.47	7.00
227	2.27	2.60	34.18	-3.64	1.32	2.60	1.31	5.00	2.46	17.42	36.50	0.00	36.50	70.21	1.33	0.00	5.00	0.71	2.00	2.22	50.58	-0.10	44.07	7.00
228	2.28	2.46	35.53	-3.64	1.44	2.46	1.44	5.00	2.50	17.44	36.67	0.00	36.67	66.06	1.47	0.00	5.00	0.73	2.00	2.26	47.82	-0.10	41.26	7.00
229	2.29	2.35	36.42	-3.74	1.55	2.35	1.55	4.00	2.53	17.45	36.85	0.00	36.85	62.75	1.58	0.00	5.00	0.74	2.00	2.30	45.64	-0.10	39.22	7.00
230	2.30	2.13	38.34	-3.93	1.80	2.13	1.80	4.00	2.61	17.47	37.02	0.00	37.02	56.51	1.83	0.00	5.00	0.77	2.00	2.37	41.30	-0.11	35.21	7.00
231	2.31	2.05	38.94	-3.93	1.90	2.05	1.90	4.00	2.63	17.48	37.20	0.00	37.20	54.09	1.94	0.00	5.00	0.78	2.00	2.40	39.71	-0.11	33.85	7.00
232	2.32	1.97	39.38	-4.03	2.00	1.97	2.00	4.00	2.66	17.47	37.37	0.00	37.37	51.69	2.04	0.00	5.00	0.79	2.00	2.43	38.13	-0.11	32.58	7.00
233	2.33	1.85	39.70	-4.12	2.15	1.85	2.15	4.00	2.70	17.46	37.55	0.00	37.55	48.25	2.19	0.00	5.00	0.81	2.00	2.47	35.76	-0.11	30.84	5.00
234	2.34	1.81	39.29	-4.22	2.18	1.81	2.17	4.00	2.71	17.44	37.72	0.00	37.72	46.96	2.22	0.00	5.00	0.81	2.00	2.48	34.96	-0.11	30.47	5.00
235	2.35	1.76	38.84	-4.22	2.20	1.76	2.21	4.00	2.72	17.41	37.90	0.00	37.90	45.42	2.26	0.00	4.00	0.82	2.00	2.50	33.97	-0.11	29.98	5.00
236	2.36	1.71	36.80	-4.31	2.15	1.71	2.15	4.00	2.73	17.34	38.07	0.00	38.07	43.89	2.20	0.00	4.00	0.82	2.00	2.50	32.98	-0.11	30.13	5.00
237	2.37	1.69	35.06	-4.31	2.07	1.69	2.08	4.00	2.72	17.28	38.24	0.00	38.24	43.17	2.12	0.00	4.00	0.82	2.00	2.49	32.59	-0.11	30.59	5.00
238	2.38	1.69	30.84	-4.22	1.83	1.69	1.83	4.00	2.69	17.13	38.41	0.00	38.41	42.97	1.87	0.00	5.00	0.81	2.00	2.46	32.58	-0.11	32.54	7.00
239	2.39	1.69	29.32	-4.22	1.73	1.69	1.74	4.00	2.68	17.07	38.58	0.00	38.58	42.78	1.78	0.00	5.00	0.80	2.00	2.45	32.58	-0.11	33.30	7.00
240	2.40	1.70	28.09	-4.22	1.65	1.70	1.65	4.00	2.67	17.03	38.75	0.00	38.75	42.84	1.69	0.00	5.00	0.80	2.00	2.43	32.77	-0.11	34.10	7.00
241	2.41	1.69	26.96	-4.22	1.59	1.69	1.60	4.00	2.66	16.98	38.92	0.00	38.92	42.39	1.63	0.00	5.00	0.79	2.00	2.43	32.57	-0.11	34.55	7.00
242	2.42	1.69	26.52	-4.22	1.57	1.69	1.57	4.00	2.66	16.96	39.09	0.00	39.09	42.21	1.61	0.00	5.00	0.79	2.00	2.42	32.57	-0.11	34.79	7.00
243	2.43	1.65	25.19	-4.31	1.53	1.65	1.53	4.00	2.66	16.89	39.26	0.00	39.26	41.00	1.56	0.00	5.00	0.79	2.00	2.42	31.78	-0.11	34.89	7.00
244	2.44	1.63	24.75	-4.31	1.51	1.63	1.52	4.00	2.66	16.87	39.43	0.00	39.43	40.31	1.56	0.00	5.00	0.79	2.00	2.43	31.38	-0.11	34.81	7.00
245	2.45	1.62	24.40	-4.31	1.51	1.62	1.51	4.00	2.66	16.85	39.60	0.00	39.60	39.89	1.54	0.00	5.00	0.79	2.00	2.43	31.18	-0.11	34.85	7.00
246	2.46	1.59	23.62	-4.31	1.49	1.59	1.49	4.00	2.67	16.80	39.77	0.00	39.77	38.96	1.52	0.00	5.00	0.80	2.00	2.43	30.58	-0.11	34.80	7.00
247	2.47	1.57	23.43	-4.41	1.49	1.57	1.49	4.00	2.67	16.79	39.94	0.00	39.94	38.29	1.53	0.00	5.00	0.80	2.00	2.44	30.18	-0.11	34.57	7.00
248	2.48	1.53	22.51	-4.41	1.47	1.53	1.47	4.00	2.68	16.73	40.10	0.00	40.10	37.13	1.51	0.00	5.00	0.80	2.00	2.44	29.39	-0.11	34.42	7.00
249	2.49	1.51	21.94	-4.41	1.45	1.51	1.45	4.00	2.68	16.70	40.27	0.00	40.27	36.47	1.49	0.00	5.00	0.80	2.00	2.44	28.99	-0.11	34.41	7.00
250	2.50	1.48	20.94	-4.41	1.42	1.48	1.42	4.00	2.68	16.64	40.44	0.00	40.44	35.58	1.46	0.00	5.00	0.80	2.00	2.45	28.40	-0.11	34.49	7.00
251	2.51	1.46	20.53	-4.50	1.41	1.46	1.41	4.00	2.69	16.61	40.60	0.00	40.60	34.93	1.45	0.00	5.00	0.80	2.00	2.45	28.00	-0.11	34.38	7.00
252	2.52	1.43	19.99	-4.50	1.40	1.43	1.40	4.00	2.69	16.57	40.77	0.00	40.77	34.05	1.44	0.00	5.00	0.81	2.00	2.46	27.40	-0.11	34.17	6.00
253	2.53	1.42	19.77	-4.60	1.39	1.42	1.39	4.00	2.69	16.55	40.93	0.00	40.93	33.67	1.43	0.00	5.00	0.81	2.00	2.46	27.20	-0.11	34.12	6.00
254	2.54	1.41	19.71	-4.50	1.40	1.41	1.40	4.00	2.70	16.55	41.10	0.00	41.10	33.28	1.44	0.00	5.00	0.81	2.00	2.46	27.00	-0.11	33.98	6.00
255	2.55	1.39	19.30	-4.60	1.38	1.39	1.39	4.00	2.70	16.52	41.26	0.00	41.26	32.66	1.43	0.00	5.00	0.81	2.00	2.46	26.60	-0.11	33.86	6.00
256	2.56	1.39	19.20	-4.60	1.38	1.39	1.38	4.00	2.70	16.51	41.43	0.00	41.43	32.53	1.42	0.00	5.00	0.81	2.00	2.46	26.60	-0.11	33.92	6.00
257	2.57	1.39	19.11	-4.60	1.38	1.39	1.38	4.00	2.70	16.51	41.59	0.00	41.59	32.39	1.42	0.00	5.00	0.81	2.00	2.46	26.60	-0.11	33.97	6.00
258	2.58	1.39	19.17	-4.50	1.38	1.39	1.38	4.00	2.70	16.51	41.76	0.00	41.76	32.26	1.42	0.00	5.00	0.81	2.00	2.46	26.59	-0.11	33.93	6.00
259	2.59	1.41	19.14	-4.50	1.36	1.41	1.36	4.00	2.69	16.51	41.93	0.00	41.93	32.61	1.40	0.00	5.00	0.81	2.00	2.45	26.99	-0.11	34.32	6.00
260	2.60	1.42	19.08	-4.50	1.34	1.42	1.34	4.00	2.69	16.51	42.09	0.00	42.09	32.71	1.39	0.00	5.00	0.80	2.00	2.45	27.18	-0.11	34.53	6.00
261	2.61	1.45	18.82	-4.50	1.30	1.45	1.30	4.00	2.67	16.51	42.26	0.00	42.26	33.29	1.34	0.00	5.00	0.80	2.00	2.43	27.77	-0.11	35.25	6.00
262	2.62	1.46	18.82	-4.50	1.29	1.46	1.29	4.00	2.67	16.51	42.42	0.00	42.42	33.40	1.33	0.00	5.00	0.80	2.00	2.43	27.96	-0.11	35.43	6.00
263	2.63	1.46	18.73	-4.50	1.28	1.46	1.28	4.00	2.67	16.50	42.59	0.00	42.59	33.26	1.32	0.00	5.00	0.80	1.99	2.43	27.88	-0.11	35.45	6.00
264	2.64	1.47	18.82	-4.50	1.28	1.47	1.28	4.00	2.66	16.51	42.75	0.00	42.75	33.36	1.32	0.00	5.00	0.80	1.99	2.43	27.98	-0.11	35.52	6.00
265	2.65	1.47	18.85	-4.50	1.28	1.47	1.28	4.00	2.66	16.51	42.92	0.00	42.92	33.23	1.32	0.00	5.00	0.80	1.98	2.43	27.90	-0.10	35.46	6.00
266	2.66	1.47	18.89	-4.50	1.28	1.47	1.29	4.00	2.66	16.52	43.08	0.00	43.08	33.10	1.32	0.00	5.00	0.80	1.98	2.43	27.83	-0.10	35.40	6.00
267	2.67	1.50	19.14	-4.50	1.28	1.50	1.28	4.00	2.65	16.54	43.25	0.00	43.25	33.66	1.31	0.00	5.00	0.79	1.97	2.42	28.26	-0.10	35.71	6.00
268	2.68	1.51	19.45	-4.50	1.29	1.51	1.29	4.00	2.65	16.56	43.41	0.00	43.41	33.76	1.33	0.00	5.00	0.80	1.96	2.42	28.38	-0.10	35.65	6.00
269	2.69	1.55	19.64	-4.41	1.26	1.55	1.27	4.00	2.64	16.58	43.58	0.00	43.58	34.55	1.30	0.00	5.00	0.79	1.95	2.41	28.96	-0.10	36.15	6.00
270	2.70	1.58	19.83	-4.41	1.25	1.58	1.26	4.00	2.63	16.60	43.74	0.00	43.74	35.10	1.29	0.00	5.00	0.79	1.94	2.40	29.38	-0.10	36.48	6.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
271	2.71	1.61	20.08	-4.41	1.25	1.61	1.25	4.00	2.62	16.62	43.91	0.00	43.91	35.64	1.28	0.00	5.00	0.79	1.93	2.40	29.80	-0.10	36.77	6.00
272	2.72	1.64	20.34	-4.31	1.24	1.64	1.24	4.00	2.62	16.64	44.08	0.00	44.08	36.19	1.28	0.00	5.00	0.78	1.92	2.39	30.22	-0.10	37.06	6.00
273	2.73	1.74	20.81	-4.22	1.20	1.74	1.20	4.00	2.58	16.69	44.24	0.00	44.24	38.31	1.23	0.00	5.00	0.77	1.90	2.36	31.75	-0.10	38.31	7.00
274	2.74	1.80	21.06	-4.12	1.17	1.80	1.17	4.00	2.57	16.72	44.41	0.00	44.41	39.51	1.20	0.00	5.00	0.77	1.88	2.35	32.62	-0.09	39.05	7.00
275	2.75	1.92	21.41	-4.03	1.11	1.92	1.12	5.00	2.53	16.76	44.58	0.00	44.58	42.05	1.14	0.00	5.00	0.75	1.86	2.32	34.39	-0.09	40.62	7.00
276	2.76	1.97	21.60	-4.03	1.10	1.97	1.10	5.00	2.52	16.78	44.75	0.00	44.75	43.01	1.12	0.00	5.00	0.75	1.85	2.31	35.08	-0.09	41.21	7.00
277	2.77	1.98	21.66	-4.03	1.09	1.98	1.09	5.00	2.52	16.79	44.91	0.00	44.91	43.07	1.12	0.00	5.00	0.75	1.84	2.31	35.15	-0.09	41.28	7.00
278	2.78	1.95	21.28	-4.03	1.09	1.95	1.09	5.00	2.52	16.76	45.08	0.00	45.08	42.24	1.12	0.00	5.00	0.75	1.84	2.31	34.56	-0.09	41.02	7.00
279	2.79	1.92	21.19	-4.12	1.11	1.92	1.10	5.00	2.53	16.75	45.25	0.00	45.25	41.41	1.13	0.00	5.00	0.76	1.84	2.32	34.01	-0.09	40.58	7.00
280	2.80	1.82	21.06	-4.22	1.16	1.82	1.16	4.00	2.56	16.72	45.42	0.00	45.42	39.05	1.19	0.00	5.00	0.77	1.85	2.35	32.40	-0.09	39.09	6.00
281	2.81	1.77	20.81	-4.31	1.18	1.77	1.18	4.00	2.57	16.70	45.58	0.00	45.58	37.81	1.21	0.00	5.00	0.77	1.85	2.36	31.53	-0.09	38.43	6.00
282	2.82	1.72	20.27	-4.31	1.18	1.72	1.18	4.00	2.59	16.66	45.75	0.00	45.75	36.58	1.21	0.00	5.00	0.78	1.85	2.37	30.63	-0.09	37.93	6.00
283	2.83	1.68	19.90	-4.41	1.18	1.68	1.19	4.00	2.60	16.63	45.92	0.00	45.92	35.57	1.22	0.00	5.00	0.78	1.86	2.38	29.90	-0.10	37.49	6.00
284	2.84	1.63	19.49	-4.41	1.20	1.63	1.20	4.00	2.61	16.59	46.08	0.00	46.08	34.35	1.23	0.00	5.00	0.79	1.86	2.40	29.02	-0.10	36.91	6.00
285	2.85	1.61	19.39	-4.50	1.20	1.61	1.21	4.00	2.62	16.58	46.25	0.00	46.25	33.79	1.24	0.00	5.00	0.79	1.86	2.40	28.63	-0.10	36.61	6.00
286	2.86	1.56	19.64	-4.50	1.26	1.56	1.26	4.00	2.64	16.58	46.41	0.00	46.41	32.59	1.30	0.00	5.00	0.80	1.86	2.43	27.81	-0.10	35.63	6.00
287	2.87	1.53	19.96	-4.50	1.30	1.53	1.31	4.00	2.65	16.59	46.58	0.00	46.58	31.83	1.35	0.00	5.00	0.80	1.87	2.44	27.30	-0.10	34.94	6.00
288	2.88	1.49	19.86	-4.60	1.33	1.49	1.33	4.00	2.67	16.58	46.75	0.00	46.75	30.85	1.38	0.00	5.00	0.81	1.87	2.46	26.60	-0.10	34.33	6.00
289	2.89	1.47	19.80	-4.60	1.34	1.47	1.35	4.00	2.67	16.57	46.91	0.00	46.91	30.32	1.39	0.00	5.00	0.81	1.87	2.46	26.22	-0.10	34.01	6.00
290	2.90	1.43	19.45	-4.70	1.36	1.43	1.36	4.00	2.69	16.54	47.08	0.00	47.08	29.36	1.41	0.00	5.00	0.82	1.87	2.48	25.50	-0.10	33.53	6.00
291	2.91	1.43	19.23	-4.70	1.35	1.43	1.35	4.00	2.68	16.53	47.24	0.00	47.24	29.25	1.39	0.00	5.00	0.82	1.86	2.47	25.42	-0.10	33.61	6.00
292	2.92	1.43	19.23	-4.70	1.35	1.43	1.35	4.00	2.68	16.53	47.41	0.00	47.41	29.14	1.39	0.00	5.00	0.82	1.86	2.48	25.35	-0.10	33.58	6.00
293	2.93	1.43	19.23	-4.70	1.35	1.43	1.35	4.00	2.68	16.53	47.57	0.00	47.57	29.04	1.39	0.00	5.00	0.82	1.85	2.48	25.28	-0.10	33.54	6.00
294	2.94	1.38	14.19	-4.70	1.03	1.38	1.03	4.00	2.64	16.16	47.73	0.00	47.73	27.89	1.07	0.00	5.00	0.80	1.83	2.43	24.00	-0.10	35.57	6.00
295	2.95	1.38	14.13	-4.70	1.03	1.38	1.02	4.00	2.64	16.16	47.90	0.00	47.90	27.79	1.06	0.00	5.00	0.80	1.82	2.43	23.94	-0.10	35.57	6.00
296	2.96	1.36	14.00	-4.70	1.03	1.36	1.03	4.00	2.65	16.14	48.06	0.00	48.06	27.28	1.07	0.00	5.00	0.80	1.82	2.44	23.56	-0.10	35.27	6.00
297	2.97	1.36	14.13	-4.70	1.04	1.36	1.04	4.00	2.65	16.15	48.22	0.00	48.22	27.18	1.08	0.00	5.00	0.80	1.82	2.44	23.52	-0.10	35.15	6.00
298	2.98	1.36	14.13	-4.70	1.04	1.36	1.04	4.00	2.65	16.15	48.38	0.00	48.38	27.09	1.08	0.00	5.00	0.81	1.81	2.44	23.46	-0.10	35.11	6.00
299	2.99	1.37	14.28	-4.70	1.04	1.37	1.04	4.00	2.65	16.17	48.54	0.00	48.54	27.20	1.08	0.00	5.00	0.80	1.81	2.44	23.57	-0.10	35.15	6.00
300	3.00	1.38	14.22	-4.70	1.03	1.38	1.03	4.00	2.64	16.16	48.70	0.00	48.70	27.31	1.07	0.00	5.00	0.80	1.80	2.44	23.65	-0.10	35.32	6.00
301	3.01	1.38	14.22	-4.70	1.03	1.38	1.03	4.00	2.64	16.16	48.86	0.00	48.86	27.22	1.07	0.00	5.00	0.80	1.80	2.44	23.59	-0.10	35.28	6.00
302	3.02	1.39	14.38	-4.70	1.04	1.39	1.04	4.00	2.64	16.18	49.03	0.00	49.03	27.33	1.07	0.00	5.00	0.80	1.79	2.44	23.70	-0.10	35.31	6.00
303	3.03	1.39	14.66	-4.79	1.06	1.39	1.06	4.00	2.64	16.20	49.19	0.00	49.19	27.24	1.09	0.00	5.00	0.81	1.79	2.44	23.67	-0.10	35.11	6.00
304	3.04	1.39	14.66	-4.70	1.06	1.39	1.06	4.00	2.64	16.20	49.35	0.00	49.35	27.15	1.09	0.00	5.00	0.81	1.79	2.45	23.61	-0.10	35.07	6.00
305	3.05	1.39	14.79	-4.79	1.06	1.39	1.06	4.00	2.65	16.21	49.51	0.00	49.51	27.05	1.10	0.00	5.00	0.81	1.78	2.45	23.56	-0.10	34.96	6.00
306	3.06	1.39	14.88	-4.70	1.07	1.39	1.07	4.00	2.65	16.22	49.67	0.00	49.67	26.96	1.11	0.00	5.00	0.81	1.78	2.45	23.51	-0.09	34.87	6.00
307	3.07	1.40	14.98	-4.70	1.07	1.40	1.07	4.00	2.64	16.23	49.84	0.00	49.84	27.07	1.11	0.00	5.00	0.81	1.77	2.45	23.62	-0.09	34.94	6.00
308	3.08	1.39	14.88	-4.70	1.07	1.39	1.07	4.00	2.65	16.22	50.00	0.00	50.00	26.78	1.11	0.00	5.00	0.81	1.77	2.45	23.40	-0.09	34.79	6.00
309	3.09	1.40	14.95	-4.70	1.06	1.40	1.07	4.00	2.64	16.23	50.16	0.00	50.16	26.89	1.11	0.00	5.00	0.81	1.77	2.45	23.50	-0.09	34.88	6.00
310	3.10	1.41	15.10	-4.79	1.07	1.41	1.07	4.00	2.64	16.24	50.32	0.00	50.32	27.00	1.11	0.00	5.00	0.81	1.76	2.45	23.60	-0.10	34.92	6.00
311	3.11	1.42	15.20	-4.70	1.07	1.42	1.07	4.00	2.64	16.25	50.49	0.00	50.49	27.11	1.11	0.00	5.00	0.81	1.75	2.45	23.70	-0.09	34.99	6.00
312	3.12	1.44	15.42	-4.70	1.07	1.44	1.07	4.00	2.63	16.27	50.65	0.00	50.65	27.41	1.11	0.00	5.00	0.81	1.75	2.44	23.96	-0.09	35.15	6.00
313	3.13	1.46	15.48	-4.70	1.06	1.46	1.06	4.00	2.63	16.28	50.81	0.00	50.81	27.71	1.10	0.00	5.00	0.80	1.74	2.44	24.20	-0.09	35.40	6.00
314	3.14	1.50	15.92	-4.60	1.06	1.50	1.06	4.00	2.62	16.33	50.98	0.00	50.98	28.41	1.10	0.00	5.00	0.80	1.73	2.43	24.77	-0.09	35.76	6.00
315	3.15	1.52	16.02	-4.60	1.06	1.52	1.05	4.00	2.61	16.34	51.14	0.00	51.14	28.70	1.09	0.00	5.00	0.80	1.73	2.42	25.01	-0.09	35.98	6.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
316	3.16	1.55	16.11	-4.60	1.04	1.55	1.04	4.00	2.60	16.35	51.30	0.00	51.30	29.19	1.08	0.00	5.00	0.80	1.72	2.41	25.40	-0.09	36.37	6.00
317	3.17	1.58	16.17	-4.60	1.02	1.58	1.02	4.00	2.59	16.36	51.47	0.00	51.47	29.68	1.06	0.00	5.00	0.79	1.71	2.41	25.78	-0.09	36.77	6.00
318	3.18	1.66	16.43	-4.50	0.99	1.66	0.99	5.00	2.56	16.40	51.63	0.00	51.63	31.13	1.02	0.00	5.00	0.78	1.70	2.38	26.89	-0.09	37.84	6.00
319	3.19	1.70	16.58	-4.41	0.98	1.70	0.98	5.00	2.55	16.42	51.79	0.00	51.79	31.80	1.01	0.00	5.00	0.78	1.69	2.37	27.42	-0.09	38.34	6.00
320	3.20	1.75	16.96	-4.31	0.97	1.75	0.97	5.00	2.54	16.46	51.96	0.00	51.96	32.66	1.00	0.00	5.00	0.77	1.68	2.36	28.10	-0.08	38.85	6.00
321	3.21	1.86	17.78	-4.31	0.96	1.86	0.96	5.00	2.51	16.54	52.12	0.00	52.12	34.67	0.98	0.00	5.00	0.77	1.66	2.34	29.67	-0.08	39.99	6.00
322	3.22	1.93	18.10	-4.22	0.94	1.93	0.94	5.00	2.49	16.57	52.29	0.00	52.29	35.89	0.96	0.00	5.00	0.76	1.65	2.32	30.62	-0.08	40.81	6.00
323	3.23	2.12	18.95	-4.03	0.89	2.12	0.89	5.00	2.45	16.66	52.46	0.00	52.46	39.40	0.92	0.00	5.00	0.74	1.63	2.28	33.28	-0.08	43.06	6.00
324	3.24	2.25	19.23	-3.93	0.86	2.25	0.85	5.00	2.42	16.70	52.62	0.00	52.62	41.74	0.88	0.00	5.00	0.73	1.62	2.25	35.03	-0.07	44.73	6.00
325	3.25	2.39	19.33	-3.74	0.81	2.39	0.81	5.00	2.38	16.73	52.79	0.00	52.79	44.26	0.83	0.00	5.00	0.72	1.60	2.22	36.89	-0.07	46.65	6.00
326	3.26	2.68	20.18	-3.55	0.75	2.68	0.75	5.00	2.32	16.82	52.96	0.00	52.96	49.59	0.77	0.00	5.00	0.70	1.57	2.16	40.82	-0.07	50.14	6.00
327	3.27	2.80	21.00	-3.55	0.75	2.80	0.75	5.00	2.31	16.88	53.13	0.00	53.13	51.69	0.76	0.00	5.00	0.69	1.57	2.15	42.43	-0.07	51.18	6.00
328	3.28	2.95	22.86	-3.55	0.78	2.95	0.78	5.00	2.29	17.00	53.30	0.00	53.30	54.34	0.79	0.00	5.00	0.69	1.56	2.14	44.53	-0.07	51.86	7.00
329	3.29	2.98	23.74	-3.45	0.80	2.98	0.80	5.00	2.29	17.05	53.47	0.00	53.47	54.72	0.81	0.00	5.00	0.69	1.56	2.14	44.92	-0.06	51.60	7.00
330	3.30	2.96	26.08	-3.45	0.88	2.96	0.88	5.00	2.32	17.16	53.64	0.00	53.64	54.17	0.90	0.00	5.00	0.70	1.56	2.16	44.78	-0.06	49.71	7.00
331	3.31	2.92	27.43	-3.45	0.94	2.92	0.94	5.00	2.34	17.21	53.81	0.00	53.81	53.25	0.96	0.00	5.00	0.71	1.57	2.18	44.28	-0.06	48.29	7.00
332	3.32	2.82	29.95	-3.55	1.06	2.82	1.06	5.00	2.38	17.30	53.98	0.00	53.98	51.22	1.08	0.00	5.00	0.72	1.58	2.22	43.04	-0.07	45.48	7.00
333	3.33	2.75	31.44	-3.55	1.14	2.75	1.14	5.00	2.40	17.34	54.16	0.00	54.16	49.76	1.17	0.00	5.00	0.73	1.58	2.25	42.12	-0.07	43.75	7.00
334	3.34	2.69	32.66	-3.64	1.21	2.69	1.21	5.00	2.43	17.38	54.33	0.00	54.33	48.50	1.24	0.00	5.00	0.74	1.59	2.27	41.30	-0.07	42.33	7.00
335	3.35	2.57	34.56	-3.74	1.34	2.57	1.35	5.00	2.47	17.42	54.51	0.00	54.51	46.14	1.37	0.00	5.00	0.76	1.60	2.31	39.70	-0.07	39.90	7.00
336	3.36	2.53	35.47	-3.74	1.40	2.53	1.40	5.00	2.48	17.45	54.68	0.00	54.68	45.25	1.43	0.00	5.00	0.76	1.60	2.33	39.12	-0.07	38.96	7.00
337	3.37	2.47	35.91	-3.74	1.45	2.47	1.45	5.00	2.50	17.45	54.86	0.00	54.86	44.01	1.49	0.00	5.00	0.77	1.60	2.35	38.23	-0.07	38.02	7.00
338	3.38	2.38	36.95	-3.83	1.55	2.38	1.55	4.00	2.53	17.47	55.03	0.00	55.03	42.23	1.59	0.00	5.00	0.78	1.61	2.37	36.97	-0.07	36.47	7.00
339	3.39	2.34	37.49	-3.83	1.60	2.34	1.60	4.00	2.54	17.48	55.20	0.00	55.20	41.37	1.64	0.00	5.00	0.79	1.61	2.39	36.36	-0.07	35.75	7.00
340	3.40	2.26	37.90	-3.93	1.67	2.26	1.68	4.00	2.57	17.48	55.38	0.00	55.38	39.79	1.72	0.00	5.00	0.80	1.62	2.41	35.19	-0.07	34.62	7.00
341	3.41	2.23	38.02	-3.93	1.71	2.23	1.71	4.00	2.58	17.48	55.55	0.00	55.55	39.13	1.75	0.00	5.00	0.80	1.62	2.42	34.69	-0.07	34.20	7.00
342	3.42	2.20	37.84	-3.93	1.72	2.20	1.72	4.00	2.58	17.47	55.73	0.00	55.73	38.46	1.77	0.00	5.00	0.80	1.62	2.43	34.19	-0.07	33.90	7.00
343	3.43	2.13	36.92	-4.03	1.73	2.13	1.73	4.00	2.60	17.43	55.90	0.00	55.90	37.09	1.78	0.00	5.00	0.81	1.62	2.44	33.09	-0.07	33.42	7.00
344	3.44	2.09	36.20	-4.03	1.73	2.09	1.73	4.00	2.60	17.40	56.08	0.00	56.08	36.25	1.78	0.00	5.00	0.81	1.62	2.45	32.42	-0.07	33.21	7.00
345	3.45	2.03	34.71	-4.03	1.71	2.03	1.71	4.00	2.61	17.34	56.25	0.00	56.25	35.07	1.76	0.00	5.00	0.81	1.61	2.46	31.43	-0.07	33.07	7.00
346	3.46	2.01	33.93	-4.12	1.69	2.01	1.69	4.00	2.61	17.31	56.42	0.00	56.42	34.61	1.74	0.00	5.00	0.81	1.61	2.46	31.04	-0.07	33.12	7.00
347	3.47	1.97	31.85	-4.12	1.62	1.97	1.62	4.00	2.61	17.23	56.60	0.00	56.60	33.79	1.67	0.00	5.00	0.81	1.61	2.46	30.32	-0.07	33.46	7.00
348	3.48	1.94	30.71	-4.12	1.58	1.94	1.58	4.00	2.61	17.18	56.77	0.00	56.77	33.16	1.63	0.00	5.00	0.81	1.60	2.46	29.77	-0.07	33.54	7.00
349	3.49	1.92	29.98	-4.12	1.56	1.92	1.56	4.00	2.61	17.15	56.94	0.00	56.94	32.70	1.61	0.00	5.00	0.81	1.60	2.46	29.39	-0.07	33.58	7.00
350	3.50	1.89	29.07	-4.12	1.54	1.89	1.54	4.00	2.61	17.11	57.11	0.00	57.11	32.08	1.59	0.00	5.00	0.82	1.60	2.46	28.86	-0.07	33.56	7.00
351	3.51	1.88	28.47	-4.12	1.51	1.88	1.52	4.00	2.61	17.08	57.28	0.00	57.28	31.81	1.56	0.00	5.00	0.82	1.59	2.46	28.63	-0.07	33.67	7.00
352	3.52	1.86	27.12	-4.12	1.45	1.86	1.46	4.00	2.60	17.02	57.45	0.00	57.45	31.36	1.51	0.00	5.00	0.81	1.59	2.46	28.22	-0.07	33.98	7.00
353	3.53	1.86	26.42	-4.12	1.42	1.86	1.42	4.00	2.60	16.99	57.62	0.00	57.62	31.26	1.47	0.00	5.00	0.81	1.58	2.45	28.12	-0.07	34.27	7.00
354	3.54	1.86	25.82	-4.12	1.39	1.86	1.39	4.00	2.59	16.97	57.79	0.00	57.79	31.17	1.43	0.00	5.00	0.81	1.58	2.45	28.02	-0.07	34.51	7.00
355	3.55	1.86	24.72	-4.12	1.33	1.86	1.33	4.00	2.58	16.92	57.96	0.00	57.96	31.08	1.37	0.00	5.00	0.81	1.57	2.44	27.90	-0.07	35.00	6.00
356	3.56	1.86	24.25	-4.12	1.30	1.86	1.30	4.00	2.58	16.89	58.13	0.00	58.13	30.98	1.35	0.00	5.00	0.81	1.56	2.43	27.82	-0.07	35.19	6.00
357	3.57	1.87	23.84	-4.12	1.28	1.87	1.28	4.00	2.57	16.88	58.30	0.00	58.30	31.06	1.32	0.00	5.00	0.80	1.56	2.43	27.87	-0.07	35.49	6.00
358	3.58	1.88	22.73	-4.12	1.21	1.88	1.21	4.00	2.56	16.82	58.47	0.00	58.47	31.14	1.25	0.00	5.00	0.80	1.55	2.42	27.88	-0.07	36.14	6.00
359	3.59	1.88	22.61	-4.12	1.20	1.88	1.20	4.00	2.56	16.82	58.63	0.00	58.63	31.05	1.24	0.00	5.00	0.80	1.55	2.41	27.81	-0.07	36.17	6.00
360	3.60	1.86	22.39	-4.12	1.20	1.86	1.20	4.00	2.56	16.80	58.80	0.00	58.80	30.62	1.24	0.00	5.00	0.80	1.55	2.42	27.47	-0.07	35.97	6.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
361	3.61	1.86	22.29	-4.12	1.20	1.86	1.20	4.00	2.56	16.80	58.97	0.00	58.97	30.53	1.24	0.00	5.00	0.80	1.54	2.42	27.41	-0.07	35.99	6.00
362	3.62	1.86	22.17	-4.12	1.19	1.86	1.19	4.00	2.56	16.79	59.14	0.00	59.14	30.44	1.23	0.00	5.00	0.80	1.54	2.42	27.34	-0.07	36.02	6.00
363	3.63	1.87	22.10	-4.12	1.18	1.87	1.18	4.00	2.56	16.79	59.31	0.00	59.31	30.52	1.22	0.00	5.00	0.80	1.53	2.42	27.41	-0.07	36.16	6.00
364	3.64	1.92	22.10	-4.03	1.15	1.92	1.15	5.00	2.54	16.80	59.47	0.00	59.47	31.27	1.19	0.00	5.00	0.79	1.53	2.40	28.02	-0.07	36.81	6.00
365	3.65	1.95	22.29	-4.03	1.14	1.95	1.14	5.00	2.53	16.81	59.64	0.00	59.64	31.68	1.18	0.00	5.00	0.79	1.52	2.40	28.37	-0.07	37.09	6.00
366	3.66	1.99	22.80	-3.93	1.14	1.99	1.15	5.00	2.53	16.85	59.81	0.00	59.81	32.26	1.18	0.00	5.00	0.79	1.52	2.39	28.87	-0.07	37.33	6.00
367	3.67	2.07	23.08	-3.83	1.12	2.07	1.12	5.00	2.50	16.88	59.98	0.00	59.98	33.50	1.15	0.00	5.00	0.78	1.51	2.37	29.89	-0.06	38.23	6.00
368	3.68	2.11	23.24	-3.83	1.10	2.11	1.10	5.00	2.49	16.89	60.15	0.00	60.15	34.07	1.13	0.00	5.00	0.78	1.50	2.36	30.36	-0.06	38.65	6.00
369	3.69	2.15	23.40	-3.83	1.09	2.15	1.09	5.00	2.48	16.91	60.32	0.00	60.32	34.63	1.12	0.00	5.00	0.78	1.50	2.35	30.83	-0.06	39.06	6.00
370	3.70	2.21	24.09	-3.74	1.09	2.21	1.09	5.00	2.47	16.95	60.49	0.00	60.49	35.52	1.12	0.00	5.00	0.77	1.49	2.34	31.60	-0.06	39.46	6.00
371	3.71	2.21	24.44	-3.83	1.11	2.21	1.11	5.00	2.48	16.97	60.66	0.00	60.66	35.42	1.14	0.00	5.00	0.77	1.49	2.35	31.55	-0.06	39.24	6.00
372	3.72	2.17	25.92	-3.83	1.19	2.17	1.19	5.00	2.50	17.03	60.83	0.00	60.83	34.66	1.23	0.00	5.00	0.78	1.49	2.37	31.04	-0.06	37.94	6.00
373	3.73	2.14	26.89	-3.83	1.26	2.14	1.26	5.00	2.52	17.07	61.00	0.00	61.00	34.07	1.29	0.00	5.00	0.79	1.49	2.39	30.63	-0.06	37.06	7.00
374	3.74	2.11	27.81	-3.93	1.31	2.11	1.32	5.00	2.53	17.10	61.17	0.00	61.17	33.48	1.36	0.00	5.00	0.80	1.50	2.41	30.22	-0.06	36.22	7.00
375	3.75	2.00	30.02	-3.93	1.50	2.00	1.50	4.00	2.58	17.17	61.34	0.00	61.34	31.59	1.55	0.00	5.00	0.82	1.51	2.46	28.80	-0.06	33.85	7.00
376	3.76	1.93	31.66	-4.12	1.64	1.93	1.64	4.00	2.62	17.21	61.51	0.00	61.51	30.36	1.70	0.00	5.00	0.83	1.51	2.49	27.88	-0.07	32.30	7.00
377	3.77	1.84	35.31	-4.12	1.92	1.84	1.92	4.00	2.67	17.32	61.69	0.00	61.69	28.81	1.99	0.00	4.00	0.85	1.52	2.55	26.75	-0.07	29.84	5.00
378	3.78	1.82	37.49	-4.12	2.06	1.82	2.06	4.00	2.70	17.39	61.86	0.00	61.86	28.41	2.13	0.00	4.00	0.86	1.53	2.57	26.50	-0.07	28.85	5.00
379	3.79	1.81	39.70	-4.12	2.19	1.81	2.19	4.00	2.71	17.45	62.03	0.00	62.03	28.16	2.27	0.00	4.00	0.87	1.53	2.59	26.37	-0.07	27.99	5.00
380	3.80	1.87	44.90	-4.03	2.40	1.87	2.40	4.00	2.72	17.60	62.21	0.00	62.21	29.05	2.48	0.00	4.00	0.87	1.53	2.60	27.27	-0.06	27.05	5.00
381	3.81	1.93	48.02	-3.74	2.48	1.93	2.49	4.00	2.72	17.69	62.39	0.00	62.39	29.92	2.57	0.00	4.00	0.87	1.53	2.60	28.10	-0.06	26.78	5.00
382	3.82	2.10	53.66	-3.45	2.55	2.10	2.56	4.00	2.70	17.85	62.57	0.00	62.57	32.55	2.63	0.00	4.00	0.86	1.52	2.58	30.47	-0.06	26.93	5.00
383	3.83	2.16	56.50	-4.60	2.61	2.16	2.62	4.00	2.70	17.92	62.75	0.00	62.75	33.41	2.70	0.00	4.00	0.86	1.51	2.57	31.27	-0.07	26.75	5.00
384	3.84	2.21	61.61	-5.18	2.79	2.21	2.79	4.00	2.71	18.03	62.93	0.00	62.93	34.10	2.87	0.00	4.00	0.87	1.51	2.58	32.00	-0.08	25.95	5.00
385	3.85	2.18	63.69	-5.18	2.92	2.18	2.92	4.00	2.72	18.06	63.11	0.00	63.11	33.53	3.01	0.00	4.00	0.87	1.51	2.60	31.57	-0.08	25.19	5.00
386	3.86	2.15	64.60	-5.18	3.00	2.15	3.01	4.00	2.73	18.08	63.29	0.00	63.29	32.96	3.10	0.00	4.00	0.88	1.51	2.61	31.11	-0.08	24.71	5.00
387	3.87	2.07	66.21	-5.27	3.20	2.07	3.20	4.00	2.76	18.09	63.47	0.00	63.47	31.60	3.30	0.00	4.00	0.89	1.52	2.64	30.00	-0.08	23.66	5.00
388	3.88	2.02	67.60	-5.27	3.34	2.02	3.35	4.00	2.78	18.10	63.65	0.00	63.65	30.72	3.46	0.00	4.00	0.90	1.52	2.67	29.29	-0.08	22.94	5.00
389	3.89	1.98	70.69	-5.27	3.57	1.98	3.57	3.00	2.81	18.15	63.83	0.00	63.83	30.00	3.69	0.00	4.00	0.91	1.52	2.69	28.74	-0.08	22.00	5.00
390	3.90	1.98	72.08	-5.18	3.64	1.98	3.64	3.00	2.81	18.17	64.01	0.00	64.01	29.91	3.76	0.00	4.00	0.91	1.52	2.70	28.70	-0.08	21.74	3.00
391	3.91	1.98	73.56	-5.18	3.71	1.98	3.72	3.00	2.82	18.19	64.19	0.00	64.19	29.83	3.84	0.00	4.00	0.91	1.52	2.70	28.65	-0.08	21.46	3.00
392	3.92	1.98	73.56	-5.18	3.71	1.98	3.72	3.00	2.82	18.19	64.38	0.00	64.38	29.74	3.84	0.00	4.00	0.91	1.51	2.70	28.58	-0.08	21.46	3.00
393	3.93	1.98	73.56	-5.18	3.71	1.98	3.72	3.00	2.82	18.19	64.56	0.00	64.56	29.65	3.84	0.00	4.00	0.91	1.51	2.70	28.51	-0.08	21.45	3.00
394	3.94	2.13	73.97	-4.89	3.47	2.13	3.47	4.00	2.78	18.23	64.74	0.00	64.74	31.88	3.58	0.00	4.00	0.90	1.49	2.66	30.45	-0.08	22.58	5.00
395	3.95	2.13	73.97	-4.89	3.47	2.13	3.47	4.00	2.78	18.23	64.92	0.00	64.92	31.79	3.58	0.00	4.00	0.90	1.49	2.66	30.37	-0.08	22.57	5.00
396	3.96	1.95	76.33	-4.79	3.92	1.95	3.92	3.00	2.84	18.23	65.10	0.00	65.10	28.94	4.05	0.00	4.00	0.92	1.50	2.73	27.95	-0.07	20.71	3.00
397	3.97	1.87	84.18	-10.45	4.49	1.87	4.51	3.00	2.89	18.33	65.29	0.00	65.29	27.61	4.67	-0.01	3.00	0.94	1.51	2.78	26.91	-0.16	18.86	3.00
398	3.98	1.86	85.38	-12.84	4.59	1.86	4.60	3.00	2.90	18.34	65.47	0.00	65.47	27.37	4.76	-0.01	3.00	0.94	1.51	2.79	26.72	-0.20	18.61	3.00
399	3.99	1.83	86.52	-14.57	4.72	1.83	4.74	3.00	2.91	18.35	65.65	0.00	65.65	26.83	4.91	-0.01	3.00	0.95	1.51	2.80	26.26	-0.22	18.22	3.00
400	4.00	1.79	88.41	-17.44	4.93	1.79	4.95	3.00	2.93	18.37	65.84	0.00	65.84	26.13	5.14	-0.01	3.00	0.96	1.51	2.82	25.67	-0.26	17.67	3.00
401	4.01	1.78	88.66	-18.11	4.99	1.78	4.99	3.00	2.94	18.37	66.02	0.00	66.02	25.90	5.18	-0.01	3.00	0.96	1.51	2.83	25.47	-0.27	17.56	3.00
402	4.02	1.75	88.66	-22.14	5.08	1.75	5.08	3.00	2.95	18.36	66.21	0.00	66.21	25.36	5.28	-0.01	3.00	0.96	1.51	2.84	24.99	-0.33	17.33	3.00
403	4.03	1.73	88.85	-22.81	5.13	1.73	5.15	3.00	2.96	18.36	66.39	0.00	66.39	24.99	5.36	-0.01	3.00	0.97	1.51	2.85	24.65	-0.34	17.15	3.00
404	4.04	1.71	89.61	-21.47	5.23	1.71	5.25	3.00	2.97	18.36	66.57	0.00	66.57	24.62	5.47	-0.01	3.00	0.97	1.50	2.86	24.33	-0.32	16.91	3.00
405	4.05	1.71	89.77	-20.41	5.25	1.71	5.26	3.00	2.97	18.37	66.76	0.00	66.76	24.55	5.48	-0.01	3.00	0.97	1.50	2.86	24.27	-0.31	16.89	3.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
406	4.06	1.71	89.42	-17.63	5.22	1.71	5.24	3.00	2.97	18.36	66.94	0.00	66.94	24.49	5.45	-0.01	3.00	0.97	1.50	2.86	24.22	-0.26	16.93	3.00
407	4.07	1.73	89.32	-16.39	5.18	1.73	5.17	3.00	2.96	18.36	67.12	0.00	67.12	24.72	5.38	-0.01	3.00	0.97	1.49	2.85	24.42	-0.24	17.09	3.00
408	4.08	1.73	88.03	-15.53	5.09	1.73	5.10	3.00	2.95	18.35	67.31	0.00	67.31	24.65	5.30	-0.01	3.00	0.97	1.49	2.85	24.35	-0.23	17.25	3.00
409	4.09	1.73	87.50	-15.05	5.06	1.73	5.07	3.00	2.95	18.34	67.49	0.00	67.49	24.59	5.27	-0.01	3.00	0.97	1.48	2.85	24.28	-0.22	17.31	3.00
410	4.10	1.72	86.80	-16.39	5.05	1.72	5.06	3.00	2.95	18.33	67.67	0.00	67.67	24.37	5.26	-0.01	3.00	0.97	1.48	2.85	24.07	-0.24	17.32	3.00
411	4.11	1.71	86.68	-15.53	5.07	1.71	5.08	3.00	2.96	18.33	67.86	0.00	67.86	24.15	5.29	-0.01	3.00	0.97	1.48	2.86	23.88	-0.23	17.26	3.00
412	4.12	1.69	86.42	-14.28	5.10	1.69	5.12	3.00	2.96	18.32	68.04	0.00	68.04	23.79	5.34	-0.01	3.00	0.97	1.47	2.86	23.55	-0.21	17.14	3.00
413	4.13	1.65	86.23	-14.86	5.23	1.65	5.24	3.00	2.98	18.31	68.22	0.00	68.22	23.14	5.46	-0.01	3.00	0.98	1.47	2.88	22.96	-0.22	16.87	3.00
414	4.14	1.62	86.39	-15.05	5.32	1.62	5.34	3.00	2.99	18.30	68.41	0.00	68.41	22.64	5.58	-0.01	3.00	0.98	1.47	2.89	22.50	-0.22	16.62	3.00
415	4.15	1.60	86.71	-13.51	5.43	1.60	5.43	3.00	3.00	18.30	68.59	0.00	68.59	22.29	5.67	-0.01	3.00	0.99	1.47	2.90	22.19	-0.20	16.43	3.00
416	4.16	1.58	87.09	-14.09	5.51	1.58	5.52	3.00	3.01	18.30	68.77	0.00	68.77	21.93	5.77	-0.01	3.00	0.99	1.47	2.91	21.86	-0.20	16.24	3.00
417	4.17	1.54	87.94	-15.33	5.72	1.54	5.72	3.00	3.03	18.30	68.96	0.00	68.96	21.29	5.99	-0.01	3.00	1.00	1.47	2.93	21.29	-0.22	15.84	3.00
418	4.18	1.52	88.50	-15.72	5.81	1.52	5.84	3.00	3.03	18.30	69.14	0.00	69.14	20.94	6.11	-0.01	3.00	1.00	1.47	2.94	20.94	-0.23	15.62	3.00
419	4.19	1.50	88.72	-17.54	5.91	1.50	5.93	3.00	3.04	18.30	69.32	0.00	69.32	20.59	6.22	-0.01	3.00	1.00	1.46	2.95	20.59	-0.25	15.45	3.00
420	4.20	1.46	88.57	-18.98	6.05	1.46	6.08	3.00	3.06	18.29	69.50	0.00	69.50	19.95	6.39	-0.01	3.00	1.00	1.46	2.97	19.95	-0.27	15.17	3.00
421	4.21	1.44	88.09	-17.35	6.11	1.44	6.13	3.00	3.07	18.28	69.69	0.00	69.69	19.61	6.45	-0.01	3.00	1.00	1.45	2.98	19.61	-0.25	15.08	3.00
422	4.22	1.45	87.65	-16.29	6.06	1.45	6.06	3.00	3.06	18.28	69.87	0.00	69.87	19.70	6.37	-0.01	3.00	1.00	1.45	2.97	19.70	-0.23	15.20	3.00
423	4.23	1.46	87.21	-15.72	5.96	1.46	5.99	3.00	3.06	18.27	70.05	0.00	70.05	19.79	6.29	-0.01	3.00	1.00	1.45	2.97	19.79	-0.22	15.32	3.00
424	4.24	1.53	86.20	-16.58	5.64	1.53	5.65	3.00	3.02	18.28	70.24	0.00	70.24	20.73	5.92	-0.01	3.00	1.00	1.44	2.93	20.73	-0.24	15.95	3.00
425	4.25	1.57	85.67	-16.87	5.46	1.57	5.47	3.00	3.01	18.28	70.42	0.00	70.42	21.25	5.73	-0.01	3.00	1.00	1.44	2.92	21.21	-0.24	16.30	3.00
426	4.26	1.62	84.97	-9.20	5.25	1.62	5.25	3.00	2.98	18.28	70.60	0.00	70.60	21.92	5.49	-0.01	3.00	0.99	1.43	2.90	21.82	-0.13	16.76	3.00
427	4.27	1.72	81.60	-5.85	4.74	1.72	4.75	3.00	2.94	18.26	70.78	0.00	70.78	23.28	4.95	0.00	3.00	0.97	1.42	2.85	23.03	-0.08	17.95	3.00
428	4.28	1.78	78.13	-5.56	4.39	1.78	4.39	3.00	2.90	18.22	70.97	0.00	70.97	24.07	4.57	0.00	3.00	0.96	1.41	2.82	23.71	-0.08	18.89	3.00
429	4.29	1.90	70.94	-5.46	3.73	1.90	3.74	3.00	2.84	18.14	71.15	0.00	71.15	25.69	3.88	0.00	4.00	0.93	1.39	2.75	25.09	-0.08	20.96	3.00
430	4.30	1.94	67.63	-5.37	3.48	1.94	3.49	4.00	2.81	18.09	71.33	0.00	71.33	26.18	3.62	0.00	4.00	0.92	1.38	2.72	25.49	-0.08	21.87	3.00
431	4.31	1.96	64.45	-5.37	3.29	1.96	3.29	4.00	2.79	18.04	71.51	0.00	71.51	26.39	3.41	0.00	4.00	0.92	1.38	2.71	25.64	-0.08	22.62	5.00
432	4.32	1.95	59.02	-5.37	3.02	1.95	3.03	4.00	2.77	17.93	71.69	0.00	71.69	26.19	3.14	0.00	4.00	0.91	1.37	2.69	25.37	-0.07	23.62	5.00
433	4.33	1.94	56.75	-5.27	2.92	1.94	2.93	4.00	2.76	17.89	71.87	0.00	71.87	25.98	3.04	0.00	4.00	0.91	1.37	2.68	25.16	-0.07	24.00	5.00
434	4.34	1.93	54.99	-5.27	2.85	1.93	2.85	4.00	2.76	17.85	72.05	0.00	72.05	25.77	2.96	0.00	4.00	0.91	1.36	2.68	24.95	-0.07	24.29	5.00
435	4.35	1.91	50.86	-5.27	2.66	1.91	2.66	4.00	2.74	17.76	72.22	0.00	72.22	25.43	2.77	0.00	4.00	0.90	1.36	2.66	24.58	-0.07	25.05	5.00
436	4.36	1.90	48.81	-5.27	2.57	1.90	2.57	4.00	2.74	17.71	72.40	0.00	72.40	25.23	2.67	0.00	4.00	0.90	1.35	2.66	24.37	-0.07	25.44	5.00
437	4.37	1.91	44.17	-5.08	2.31	1.91	2.31	4.00	2.71	17.59	72.58	0.00	72.58	25.30	2.41	0.00	4.00	0.89	1.34	2.63	24.37	-0.07	26.72	5.00
438	4.38	1.91	42.44	-5.08	2.22	1.91	2.22	4.00	2.70	17.55	72.75	0.00	72.75	25.24	2.31	0.00	4.00	0.88	1.34	2.62	24.28	-0.07	27.18	5.00
439	4.39	1.94	38.78	-5.18	2.00	1.94	2.00	4.00	2.66	17.45	72.93	0.00	72.93	25.59	2.08	0.00	4.00	0.87	1.33	2.59	24.53	-0.07	28.54	5.00
440	4.40	1.94	37.49	-5.18	1.93	1.94	1.93	4.00	2.66	17.41	73.10	0.00	73.10	25.52	2.01	0.00	4.00	0.87	1.33	2.58	24.46	-0.07	28.92	5.00
441	4.41	1.94	36.64	-5.27	1.89	1.94	1.89	4.00	2.65	17.38	73.27	0.00	73.27	25.46	1.96	0.00	4.00	0.87	1.32	2.57	24.39	-0.07	29.17	5.00
442	4.42	1.94	36.80	-5.27	1.90	1.94	1.90	4.00	2.65	17.39	73.45	0.00	73.45	25.40	1.97	0.00	4.00	0.87	1.32	2.58	24.34	-0.07	29.10	5.00
443	4.43	1.94	37.05	-5.27	1.91	1.94	1.91	4.00	2.65	17.40	73.62	0.00	73.62	25.34	1.99	0.00	4.00	0.87	1.32	2.58	24.30	-0.07	29.00	5.00
444	4.44	1.93	38.21	-5.08	1.98	1.93	1.98	4.00	2.66	17.43	73.80	0.00	73.80	25.14	2.06	0.00	4.00	0.87	1.32	2.59	24.15	-0.07	28.52	5.00
445	4.45	1.92	39.54	-4.79	2.06	1.92	2.06	4.00	2.68	17.47	73.97	0.00	73.97	24.94	2.14	0.00	4.00	0.88	1.32	2.60	24.01	-0.06	28.00	5.00
446	4.46	1.91	41.18	-4.70	2.15	1.91	2.16	4.00	2.69	17.51	74.15	0.00	74.15	24.75	2.24	0.00	4.00	0.88	1.32	2.62	23.86	-0.06	27.41	5.00
447	4.47	1.94	45.40	-4.98	2.34	1.94	2.34	4.00	2.70	17.63	74.32	0.00	74.32	25.09	2.43	0.00	4.00	0.89	1.32	2.63	24.25	-0.07	26.54	5.00
448	4.48	1.96	47.01	-6.33	2.40	1.96	2.40	4.00	2.71	17.67	74.50	0.00	74.50	25.29	2.50	0.00	4.00	0.89	1.32	2.64	24.46	-0.08	26.30	5.00
449	4.49	2.07	51.20	-11.50	2.48	2.07	2.48	4.00	2.70	17.79	74.68	0.00	74.68	26.69	2.57	-0.01	4.00	0.89	1.31	2.63	25.79	-0.15	26.27	5.00
450	4.50	2.12	53.03	-11.41	2.50	2.12	2.50	4.00	2.69	17.84	74.86	0.00	74.86	27.29	2.60	-0.01	4.00	0.89	1.31	2.62	26.36	-0.15	26.27	5.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
451	4.51	2.18	54.80	-11.41	2.51	2.18	2.52	4.00	2.68	17.89	75.03	0.00	75.03	28.02	2.61	-0.01	4.00	0.88	1.30	2.61	27.05	-0.15	26.37	5.00
452	4.52	2.22	56.72	-11.79	2.56	2.22	2.56	4.00	2.68	17.94	75.21	0.00	75.21	28.48	2.65	-0.01	4.00	0.88	1.30	2.61	27.50	-0.16	26.26	5.00
453	4.53	2.23	59.91	-12.27	2.68	2.23	2.69	4.00	2.69	18.00	75.39	0.00	75.39	28.54	2.78	-0.01	4.00	0.89	1.30	2.62	27.61	-0.16	25.61	5.00
454	4.54	2.23	61.61	-12.27	2.77	2.23	2.77	4.00	2.70	18.04	75.57	0.00	75.57	28.47	2.86	-0.01	4.00	0.89	1.30	2.63	27.57	-0.16	25.23	5.00
455	4.55	2.23	63.15	-12.27	2.84	2.23	2.84	4.00	2.71	18.06	75.75	0.00	75.75	28.40	2.93	-0.01	4.00	0.89	1.30	2.64	27.54	-0.16	24.89	5.00
456	4.56	2.21	66.24	-12.17	3.00	2.21	3.00	4.00	2.72	18.12	75.94	0.00	75.94	28.07	3.11	-0.01	4.00	0.90	1.30	2.66	27.28	-0.16	24.09	5.00
457	4.57	2.18	67.16	-12.17	3.07	2.18	3.08	4.00	2.74	18.13	76.12	0.00	76.12	27.61	3.20	-0.01	4.00	0.91	1.30	2.67	26.87	-0.16	23.65	5.00
458	4.58	2.15	67.06	-11.98	3.12	2.15	3.12	4.00	2.75	18.12	76.30	0.00	76.30	27.15	3.24	-0.01	4.00	0.91	1.29	2.68	26.45	-0.16	23.42	5.00
459	4.59	2.14	66.24	-11.79	3.09	2.14	3.10	4.00	2.74	18.10	76.48	0.00	76.48	26.95	3.21	-0.01	4.00	0.91	1.29	2.68	26.27	-0.15	23.49	5.00
460	4.60	2.13	65.14	-11.60	3.06	2.13	3.06	4.00	2.74	18.08	76.66	0.00	76.66	26.75	3.18	-0.01	4.00	0.91	1.29	2.68	26.08	-0.15	23.61	5.00
461	4.61	2.13	63.00	-11.50	2.96	2.13	2.96	4.00	2.73	18.04	76.84	0.00	76.84	26.69	3.07	-0.01	4.00	0.91	1.28	2.67	26.00	-0.15	24.02	5.00
462	4.62	2.10	61.10	-11.50	2.90	2.10	2.91	4.00	2.73	18.00	77.02	0.00	77.02	26.23	3.02	-0.01	4.00	0.91	1.28	2.67	25.57	-0.15	24.14	5.00
463	4.63	2.09	59.56	-11.50	2.85	2.09	2.85	4.00	2.73	17.97	77.20	0.00	77.20	26.04	2.96	-0.01	4.00	0.91	1.28	2.67	25.38	-0.15	24.37	5.00
464	4.64	2.07	57.73	-11.50	2.79	2.07	2.79	4.00	2.73	17.93	77.38	0.00	77.38	25.72	2.90	-0.01	4.00	0.90	1.28	2.67	25.07	-0.15	24.57	5.00
465	4.65	2.06	53.35	-11.41	2.59	2.06	2.59	4.00	2.71	17.84	77.56	0.00	77.56	25.53	2.69	-0.01	4.00	0.90	1.27	2.65	24.85	-0.15	25.45	5.00
466	4.66	2.06	51.30	-11.50	2.49	2.06	2.49	4.00	2.70	17.79	77.74	0.00	77.74	25.47	2.59	-0.01	4.00	0.89	1.27	2.64	24.77	-0.15	25.91	5.00
467	4.67	2.07	49.44	-11.41	2.39	2.07	2.39	4.00	2.69	17.75	77.91	0.00	77.91	25.54	2.48	-0.01	4.00	0.89	1.26	2.63	24.81	-0.15	26.44	5.00
468	4.68	2.13	45.06	-11.31	2.12	2.13	2.12	4.00	2.65	17.66	78.09	0.00	78.09	26.25	2.20	-0.01	4.00	0.88	1.26	2.59	25.41	-0.14	28.13	5.00
469	4.69	2.15	42.85	-11.41	1.99	2.15	2.00	4.00	2.63	17.60	78.27	0.00	78.27	26.44	2.07	-0.01	4.00	0.87	1.25	2.57	25.56	-0.15	28.93	5.00
470	4.70	2.20	39.03	-11.31	1.78	2.20	1.78	4.00	2.59	17.50	78.44	0.00	78.44	27.02	1.84	-0.01	4.00	0.85	1.24	2.54	26.03	-0.14	30.55	5.00
471	4.71	2.21	37.49	-11.31	1.70	2.21	1.70	4.00	2.58	17.46	78.62	0.00	78.62	27.08	1.76	-0.01	4.00	0.85	1.24	2.52	26.07	-0.14	31.12	5.00
472	4.72	2.22	35.47	-11.21	1.60	2.22	1.60	4.00	2.56	17.40	78.79	0.00	78.79	27.15	1.66	-0.01	5.00	0.84	1.24	2.51	26.11	-0.14	31.87	5.00
473	4.73	2.21	35.06	-11.21	1.59	2.21	1.59	4.00	2.56	17.38	78.96	0.00	78.96	26.96	1.65	-0.01	5.00	0.84	1.23	2.51	25.93	-0.14	31.88	5.00
474	4.74	2.18	34.97	-11.21	1.60	2.18	1.61	4.00	2.57	17.38	79.14	0.00	79.14	26.52	1.67	-0.01	5.00	0.85	1.23	2.52	25.54	-0.14	31.57	5.00
475	4.75	2.16	34.78	-11.21	1.61	2.16	1.61	4.00	2.57	17.37	79.31	0.00	79.31	26.20	1.67	-0.01	4.00	0.85	1.23	2.52	25.26	-0.14	31.41	5.00
476	4.76	2.14	34.65	-11.21	1.62	2.14	1.62	4.00	2.58	17.36	79.48	0.00	79.48	25.89	1.68	-0.01	4.00	0.85	1.23	2.53	24.98	-0.14	31.22	5.00
477	4.77	2.10	34.75	-11.21	1.65	2.10	1.66	4.00	2.59	17.35	79.66	0.00	79.66	25.33	1.72	-0.01	4.00	0.86	1.23	2.54	24.48	-0.14	30.74	5.00
478	4.78	2.10	34.65	-11.21	1.65	2.10	1.65	4.00	2.59	17.35	79.83	0.00	79.83	25.28	1.72	-0.01	4.00	0.86	1.23	2.54	24.43	-0.14	30.75	5.00
479	4.79	2.11	34.56	-11.12	1.63	2.11	1.64	4.00	2.59	17.35	80.00	0.00	80.00	25.34	1.70	-0.01	4.00	0.86	1.22	2.54	24.50	-0.14	30.87	5.00
480	4.80	2.14	34.40	-11.12	1.61	2.14	1.61	4.00	2.58	17.35	80.18	0.00	80.18	25.66	1.67	-0.01	4.00	0.85	1.22	2.53	24.79	-0.14	31.22	5.00
481	4.81	2.16	34.53	-11.12	1.60	2.16	1.60	4.00	2.57	17.36	80.35	0.00	80.35	25.85	1.66	-0.01	4.00	0.85	1.22	2.52	24.98	-0.14	31.36	5.00
482	4.82	2.22	35.12	-11.12	1.58	2.22	1.58	4.00	2.56	17.39	80.53	0.00	80.53	26.54	1.64	-0.01	5.00	0.85	1.21	2.51	25.62	-0.14	31.78	5.00
483	4.83	2.23	35.66	-11.02	1.60	2.23	1.60	4.00	2.56	17.41	80.70	0.00	80.70	26.60	1.66	-0.01	5.00	0.85	1.21	2.51	25.70	-0.14	31.68	5.00
484	4.84	2.25	36.32	-11.02	1.61	2.25	1.62	4.00	2.56	17.43	80.87	0.00	80.87	26.79	1.68	-0.01	5.00	0.85	1.21	2.51	25.89	-0.14	31.65	5.00
485	4.85	2.26	37.17	-11.02	1.64	2.26	1.65	4.00	2.56	17.46	81.05	0.00	81.05	26.86	1.71	-0.01	4.00	0.85	1.21	2.52	25.97	-0.14	31.45	5.00
486	4.86	2.26	37.74	-10.93	1.67	2.26	1.67	4.00	2.57	17.48	81.22	0.00	81.22	26.80	1.73	-0.01	4.00	0.85	1.21	2.52	25.93	-0.13	31.25	5.00
487	4.87	2.23	38.18	-11.02	1.71	2.23	1.71	4.00	2.58	17.48	81.40	0.00	81.40	26.37	1.78	-0.01	4.00	0.86	1.21	2.53	25.55	-0.14	30.79	5.00
488	4.88	2.21	38.25	-10.93	1.73	2.21	1.73	4.00	2.58	17.48	81.57	0.00	81.57	26.06	1.80	-0.01	4.00	0.86	1.20	2.54	25.27	-0.13	30.55	5.00
489	4.89	2.18	38.34	-10.93	1.76	2.18	1.76	4.00	2.59	17.48	81.75	0.00	81.75	25.64	1.83	-0.01	4.00	0.86	1.20	2.55	24.89	-0.13	30.20	5.00
490	4.90	2.17	38.40	-10.93	1.77	2.17	1.77	4.00	2.60	17.48	81.92	0.00	81.92	25.46	1.84	-0.01	4.00	0.86	1.20	2.55	24.73	-0.13	30.06	5.00
491	4.91	2.15	38.56	-11.12	1.80	2.15	1.80	4.00	2.60	17.48	82.10	0.00	82.10	25.16	1.87	-0.01	4.00	0.87	1.20	2.56	24.46	-0.14	29.79	5.00
492	4.92	2.15	38.56	-11.12	1.80	2.15	1.80	4.00	2.60	17.48	82.27	0.00	82.27	25.10	1.87	-0.01	4.00	0.87	1.20	2.56	24.42	-0.14	29.78	5.00
493	4.93	2.15	38.56	-11.12	1.80	2.15	1.80	4.00	2.60	17.48	82.45	0.00	82.45	25.05	1.87	-0.01	4.00	0.87	1.20	2.56	24.37	-0.13	29.76	5.00
494	4.94	2.11	37.39	-9.97	1.77	2.11	1.77	4.00	2.61	17.44	82.62	0.00	82.62	24.51	1.85	0.00	4.00	0.87	1.19	2.57	23.86	-0.12	29.69	5.00
495	4.95	2.10	37.68	-9.97	1.80	2.10	1.80	4.00	2.61	17.45	82.80	0.00	82.80	24.34	1.87	0.00	4.00	0.87	1.19	2.57	23.71	-0.12	29.48	5.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
496	4.96	2.09	37.99	-9.97	1.82	2.09	1.82	4.00	2.62	17.45	82.97	0.00	82.97	24.16	1.89	0.00	4.00	0.87	1.19	2.58	23.56	-0.12	29.27	5.00
497	4.97	2.09	38.69	-9.97	1.85	2.09	1.85	4.00	2.62	17.48	83.15	0.00	83.15	24.11	1.93	0.00	4.00	0.88	1.19	2.58	23.52	-0.12	29.05	5.00
498	4.98	2.17	41.40	-9.97	1.91	2.17	1.91	4.00	2.61	17.57	83.32	0.00	83.32	25.02	1.99	0.00	4.00	0.87	1.19	2.58	24.41	-0.12	29.04	5.00
499	4.99	2.21	44.02	-9.87	2.00	2.21	1.99	4.00	2.62	17.65	83.50	0.00	83.50	25.44	2.07	0.00	4.00	0.87	1.18	2.58	24.83	-0.12	28.68	5.00
500	5.00	2.25	46.95	-9.87	2.08	2.25	2.09	4.00	2.62	17.73	83.67	0.00	83.67	25.87	2.17	0.00	4.00	0.88	1.18	2.59	25.26	-0.12	28.26	5.00
501	5.01	2.40	51.87	-9.58	2.16	2.40	2.16	4.00	2.61	17.87	83.85	0.00	83.85	27.60	2.24	0.00	4.00	0.87	1.18	2.57	26.94	-0.11	28.33	5.00
502	5.02	2.48	53.66	-9.58	2.17	2.48	2.17	4.00	2.60	17.92	84.03	0.00	84.03	28.49	2.24	0.00	4.00	0.87	1.18	2.56	27.79	-0.11	28.57	5.00
503	5.03	2.60	54.39	-9.49	2.09	2.60	2.09	4.00	2.57	17.95	84.21	0.00	84.21	29.85	2.16	0.00	4.00	0.86	1.17	2.54	29.08	-0.11	29.40	5.00
504	5.04	2.65	53.66	-9.49	2.03	2.65	2.03	4.00	2.56	17.94	84.39	0.00	84.39	30.38	2.09	0.00	4.00	0.85	1.17	2.52	29.57	-0.11	30.00	5.00
505	5.05	2.68	52.84	-9.49	1.97	2.68	1.97	4.00	2.55	17.93	84.57	0.00	84.57	30.67	2.04	0.00	4.00	0.85	1.17	2.51	29.84	-0.11	30.46	5.00
506	5.06	2.69	51.74	-9.39	1.92	2.69	1.92	4.00	2.54	17.91	84.75	0.00	84.75	30.72	1.99	0.00	4.00	0.85	1.16	2.51	29.89	-0.11	30.83	5.00
507	5.07	2.68	51.24	-9.39	1.91	2.68	1.91	4.00	2.54	17.89	84.93	0.00	84.93	30.53	1.98	0.00	4.00	0.85	1.16	2.51	29.72	-0.11	30.86	5.00
508	5.08	2.62	49.91	-9.49	1.90	2.62	1.91	4.00	2.55	17.85	85.11	0.00	85.11	29.76	1.97	0.00	4.00	0.85	1.16	2.51	28.99	-0.11	30.67	5.00
509	5.09	2.58	49.28	-9.49	1.91	2.58	1.91	4.00	2.55	17.83	85.29	0.00	85.29	29.23	1.98	0.00	4.00	0.85	1.16	2.52	28.50	-0.11	30.47	5.00
510	5.10	2.48	47.39	-9.49	1.91	2.48	1.91	4.00	2.57	17.77	85.46	0.00	85.46	27.99	1.98	0.00	4.00	0.86	1.16	2.54	27.33	-0.11	30.07	5.00
511	5.11	2.43	45.78	-9.58	1.88	2.43	1.89	4.00	2.57	17.73	85.64	0.00	85.64	27.35	1.95	0.00	4.00	0.86	1.16	2.54	26.72	-0.11	30.04	5.00
512	5.12	2.37	43.73	-9.58	1.84	2.37	1.85	4.00	2.57	17.66	85.82	0.00	85.82	26.59	1.92	0.00	4.00	0.86	1.15	2.55	25.99	-0.11	30.04	5.00
513	5.13	2.34	41.27	-9.58	1.76	2.34	1.77	4.00	2.57	17.59	85.99	0.00	85.99	26.19	1.83	0.00	4.00	0.86	1.15	2.54	25.59	-0.11	30.45	5.00
514	5.14	2.30	38.50	-9.58	1.67	2.30	1.68	4.00	2.56	17.51	86.17	0.00	86.17	25.67	1.74	0.00	4.00	0.86	1.15	2.53	25.08	-0.11	30.87	5.00
515	5.15	2.22	31.59	-9.58	1.42	2.22	1.42	5.00	2.53	17.27	86.34	0.00	86.34	24.69	1.48	0.00	5.00	0.85	1.15	2.51	24.10	-0.11	32.26	6.00
516	5.16	2.20	30.14	-9.68	1.37	2.20	1.37	5.00	2.53	17.21	86.51	0.00	86.51	24.41	1.43	0.00	5.00	0.85	1.14	2.50	23.82	-0.11	32.52	6.00
517	5.17	2.17	29.17	-9.68	1.34	2.17	1.35	5.00	2.53	17.16	86.68	0.00	86.68	24.01	1.40	0.00	5.00	0.85	1.14	2.51	23.44	-0.11	32.52	6.00
518	5.18	2.16	28.88	-9.58	1.34	2.16	1.34	5.00	2.53	17.15	86.86	0.00	86.86	23.85	1.39	0.00	5.00	0.85	1.14	2.51	23.29	-0.11	32.49	6.00
519	5.19	2.15	28.94	-9.58	1.35	2.15	1.35	5.00	2.53	17.15	87.03	0.00	87.03	23.68	1.40	0.00	5.00	0.85	1.14	2.51	23.15	-0.11	32.34	6.00
520	5.20	2.14	29.32	-9.58	1.37	2.14	1.37	5.00	2.54	17.17	87.20	0.00	87.20	23.52	1.43	0.00	5.00	0.85	1.14	2.52	23.00	-0.11	32.08	0.00
521	5.21	2.15	29.67	-9.58	1.38	2.15	1.38	5.00	2.54	17.18	87.37	0.00	87.37	23.58	1.44	0.00	5.00	0.85	1.13	2.52	23.07	-0.11	32.04	0.00
522	5.22	2.16	29.89	-9.58	1.39	2.16	1.39	5.00	2.54	17.19	87.54	0.00	87.54	23.65	1.44	0.00	5.00	0.85	1.13	2.52	23.15	-0.11	32.05	0.00
523	5.23	2.18	30.27	-9.58	1.39	2.18	1.39	5.00	2.54	17.21	87.72	0.00	87.72	23.83	1.45	0.00	5.00	0.85	1.13	2.52	23.33	-0.11	32.11	6.00
524	5.24	2.23	31.37	-9.49	1.41	2.23	1.41	5.00	2.53	17.26	87.89	0.00	87.89	24.35	1.47	0.00	5.00	0.85	1.13	2.51	23.84	-0.11	32.24	6.00
525	5.25	2.25	32.07	-9.49	1.43	2.25	1.43	5.00	2.53	17.29	88.06	0.00	88.06	24.53	1.48	0.00	5.00	0.85	1.13	2.51	24.02	-0.11	32.20	6.00
526	5.26	2.28	33.55	-9.49	1.47	2.28	1.47	5.00	2.53	17.34	88.23	0.00	88.23	24.82	1.53	0.00	5.00	0.85	1.12	2.51	24.31	-0.11	31.99	0.00
527	5.27	2.29	34.40	-9.49	1.50	2.29	1.50	4.00	2.54	17.38	88.41	0.00	88.41	24.88	1.56	0.00	5.00	0.85	1.12	2.52	24.39	-0.11	31.80	4.00
528	5.28	2.29	35.06	-9.49	1.53	2.29	1.53	4.00	2.54	17.40	88.58	0.00	88.58	24.83	1.59	0.00	5.00	0.85	1.12	2.52	24.35	-0.11	31.57	4.00
529	5.29	2.28	36.70	-9.39	1.61	2.28	1.61	4.00	2.55	17.45	88.76	0.00	88.76	24.67	1.68	0.00	4.00	0.86	1.12	2.54	24.21	-0.11	30.94	4.00
530	5.30	2.27	37.08	-9.39	1.63	2.27	1.63	4.00	2.56	17.46	88.93	0.00	88.93	24.50	1.70	0.00	4.00	0.86	1.12	2.54	24.07	-0.11	30.70	4.00
531	5.31	2.27	37.39	-9.39	1.65	2.27	1.65	4.00	2.56	17.47	89.11	0.00	89.11	24.45	1.72	0.00	4.00	0.86	1.12	2.55	24.03	-0.11	30.59	4.00
532	5.32	2.26	38.12	-9.39	1.68	2.26	1.69	4.00	2.57	17.49	89.28	0.00	89.28	24.29	1.76	0.00	4.00	0.87	1.12	2.55	23.89	-0.11	30.26	5.00
533	5.33	2.27	38.37	-9.39	1.69	2.27	1.69	4.00	2.57	17.50	89.46	0.00	89.46	24.35	1.76	0.00	4.00	0.87	1.11	2.55	23.95	-0.10	30.26	5.00
534	5.34	2.28	38.50	-9.39	1.69	2.28	1.69	4.00	2.57	17.50	89.63	0.00	89.63	24.42	1.76	0.00	4.00	0.87	1.11	2.55	24.02	-0.10	30.31	5.00
535	5.35	2.30	39.07	-9.30	1.70	2.30	1.70	4.00	2.56	17.52	89.81	0.00	89.81	24.59	1.77	0.00	4.00	0.87	1.11	2.55	24.20	-0.10	30.31	5.00
536	5.36	2.32	39.25	-9.30	1.69	2.32	1.69	4.00	2.56	17.53	89.98	0.00	89.98	24.76	1.76	0.00	4.00	0.86	1.11	2.55	24.37	-0.10	30.43	5.00
537	5.37	2.33	39.35	-9.30	1.69	2.33	1.69	4.00	2.56	17.54	90.16	0.00	90.16	24.82	1.76	0.00	4.00	0.86	1.11	2.55	24.43	-0.10	30.48	5.00
538	5.38	2.37	39.79	-9.20	1.68	2.37	1.68	4.00	2.55	17.56	90.33	0.00	90.33	25.22	1.75	0.00	4.00	0.86	1.10	2.54	24.82	-0.10	30.72	5.00
539	5.39	2.41	39.98	-9.20	1.66	2.41	1.66	4.00	2.54	17.57	90.51	0.00	90.51	25.61	1.73	0.00	4.00	0.86	1.10	2.53	25.20	-0.10	31.02	5.00
540	5.40	2.48	40.01	-9.10	1.61	2.48	1.61	4.00	2.52	17.58	90.68	0.00	90.68	26.33	1.68	0.00	5.00	0.85	1.10	2.51	25.90	-0.10	31.66	5.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
541	5.41	2.51	40.17	-9.10	1.60	2.51	1.60	5.00	2.52	17.59	90.86	0.00	90.86	26.60	1.66	0.00	5.00	0.85	1.10	2.51	26.17	-0.10	31.87	5.00
542	5.42	2.58	40.89	-9.01	1.58	2.58	1.59	5.00	2.51	17.62	91.04	0.00	91.04	27.32	1.64	0.00	5.00	0.85	1.09	2.50	26.87	-0.10	32.29	7.00
543	5.43	2.63	41.43	-9.01	1.57	2.63	1.58	5.00	2.50	17.64	91.21	0.00	91.21	27.81	1.63	0.00	5.00	0.84	1.09	2.49	27.36	-0.10	32.58	7.00
544	5.44	2.67	41.97	-9.01	1.57	2.67	1.57	5.00	2.49	17.66	91.39	0.00	91.39	28.20	1.63	0.00	5.00	0.84	1.09	2.48	27.74	-0.10	32.76	7.00
545	5.45	2.68	42.69	-8.91	1.59	2.68	1.59	5.00	2.49	17.68	91.57	0.00	91.57	28.25	1.65	0.00	5.00	0.84	1.09	2.48	27.80	-0.10	32.62	7.00
546	5.46	2.66	43.29	-9.01	1.63	2.66	1.63	5.00	2.50	17.70	91.74	0.00	91.74	27.97	1.69	0.00	5.00	0.85	1.09	2.49	27.55	-0.10	32.24	7.00
547	5.47	2.62	44.68	-9.01	1.71	2.62	1.71	4.00	2.52	17.73	91.92	0.00	91.92	27.48	1.77	0.00	4.00	0.85	1.09	2.51	27.09	-0.10	31.45	5.00
548	5.48	2.60	46.22	-9.01	1.78	2.60	1.78	4.00	2.53	17.76	92.10	0.00	92.10	27.21	1.84	0.00	4.00	0.86	1.09	2.52	26.84	-0.10	30.83	5.00
549	5.49	2.59	47.64	-9.01	1.84	2.59	1.84	4.00	2.54	17.80	92.28	0.00	92.28	27.05	1.91	0.00	4.00	0.86	1.08	2.54	26.70	-0.10	30.34	5.00
550	5.50	2.54	51.02	-8.91	2.01	2.54	2.01	4.00	2.57	17.87	92.45	0.00	92.45	26.45	2.09	0.00	4.00	0.87	1.08	2.57	26.15	-0.10	29.02	5.00
551	5.51	2.49	52.78	-9.01	2.12	2.49	2.12	4.00	2.59	17.90	92.63	0.00	92.63	25.86	2.20	0.00	4.00	0.88	1.08	2.59	25.59	-0.10	28.16	5.00
552	5.52	2.40	55.30	-8.91	2.31	2.40	2.31	4.00	2.63	17.94	92.81	0.00	92.81	24.84	2.40	0.00	4.00	0.90	1.08	2.62	24.61	-0.10	26.82	5.00
553	5.53	2.38	56.28	-8.91	2.37	2.38	2.37	4.00	2.64	17.96	92.99	0.00	92.99	24.57	2.46	0.00	4.00	0.90	1.08	2.63	24.36	-0.10	26.43	5.00
554	5.54	2.38	57.89	-8.91	2.44	2.38	2.43	4.00	2.64	17.99	93.17	0.00	93.17	24.52	2.53	0.00	4.00	0.90	1.08	2.64	24.32	-0.10	26.08	5.00
555	5.55	2.40	58.52	-8.91	2.43	2.40	2.44	4.00	2.64	18.00	93.35	0.00	93.35	24.69	2.54	0.00	4.00	0.90	1.08	2.64	24.49	-0.10	26.09	5.00
556	5.56	2.45	59.12	-8.82	2.41	2.45	2.41	4.00	2.63	18.02	93.53	0.00	93.53	25.17	2.51	0.00	4.00	0.90	1.07	2.63	24.97	-0.09	26.35	5.00
557	5.57	2.47	59.18	-8.82	2.40	2.47	2.40	4.00	2.63	18.03	93.71	0.00	93.71	25.34	2.49	0.00	4.00	0.90	1.07	2.63	25.13	-0.09	26.49	5.00
558	5.58	2.53	60.73	-8.82	2.40	2.53	2.40	4.00	2.62	18.07	93.89	0.00	93.89	25.93	2.49	0.00	4.00	0.89	1.07	2.62	25.72	-0.09	26.62	5.00
559	5.59	2.55	65.20	-8.72	2.55	2.55	2.56	4.00	2.63	18.15	94.07	0.00	94.07	26.09	2.66	0.00	4.00	0.90	1.07	2.63	25.89	-0.09	25.86	5.00
560	5.60	2.54	65.58	-8.72	2.59	2.54	2.58	4.00	2.64	18.16	94.26	0.00	94.26	25.93	2.68	0.00	4.00	0.90	1.07	2.64	25.74	-0.09	25.70	5.00
561	5.61	2.54	63.12	-8.72	2.49	2.54	2.49	4.00	2.63	18.11	94.44	0.00	94.44	25.88	2.58	0.00	4.00	0.90	1.07	2.63	25.69	-0.09	26.17	5.00
562	5.62	2.53	61.58	-8.72	2.43	2.53	2.44	4.00	2.62	18.08	94.62	0.00	94.62	25.72	2.53	0.00	4.00	0.90	1.06	2.62	25.54	-0.09	26.40	5.00
563	5.63	2.53	59.75	-8.72	2.37	2.53	2.36	4.00	2.61	18.05	94.80	0.00	94.80	25.67	2.46	0.00	4.00	0.89	1.06	2.62	25.49	-0.09	26.77	5.00
564	5.64	2.52	55.52	-8.72	2.20	2.52	2.20	4.00	2.60	17.96	94.98	0.00	94.98	25.51	2.29	0.00	4.00	0.89	1.06	2.60	25.33	-0.09	27.59	5.00
565	5.65	2.50	53.63	-8.72	2.14	2.50	2.15	4.00	2.59	17.92	95.16	0.00	95.16	25.25	2.23	0.00	4.00	0.89	1.06	2.60	25.07	-0.09	27.85	5.00
566	5.66	2.49	51.90	-8.63	2.08	2.49	2.09	4.00	2.59	17.88	95.34	0.00	95.34	25.10	2.17	0.00	4.00	0.88	1.06	2.59	24.92	-0.09	28.15	5.00
567	5.67	2.47	49.41	-8.63	2.00	2.47	2.00	4.00	2.58	17.82	95.51	0.00	95.51	24.84	2.08	0.00	4.00	0.88	1.05	2.59	24.67	-0.09	28.56	5.00
568	5.68	2.47	48.30	-8.63	1.95	2.47	1.96	4.00	2.57	17.79	95.69	0.00	95.69	24.79	2.04	0.00	4.00	0.88	1.05	2.58	24.62	-0.09	28.82	5.00
569	5.69	2.45	45.47	-8.72	1.86	2.45	1.86	4.00	2.56	17.72	95.87	0.00	95.87	24.54	1.93	0.00	4.00	0.88	1.05	2.57	24.37	-0.09	29.35	5.00
570	5.70	2.43	43.89	-8.63	1.81	2.43	1.81	4.00	2.56	17.68	96.05	0.00	96.05	24.28	1.88	0.00	4.00	0.88	1.05	2.57	24.12	-0.09	29.57	5.00
571	5.71	2.41	42.25	-8.63	1.75	2.41	1.75	4.00	2.56	17.63	96.22	0.00	96.22	24.03	1.83	0.00	4.00	0.87	1.05	2.56	23.87	-0.09	29.81	5.00
572	5.72	2.38	38.12	-8.63	1.60	2.38	1.60	4.00	2.54	17.51	96.40	0.00	96.40	23.67	1.67	0.00	4.00	0.87	1.04	2.55	23.52	-0.09	30.67	4.00
573	5.73	2.37	36.04	-8.63	1.52	2.37	1.52	5.00	2.53	17.44	96.57	0.00	96.57	23.52	1.59	0.00	4.00	0.86	1.04	2.54	23.37	-0.09	31.16	4.00
574	5.74	2.34	33.11	-8.63	1.42	2.34	1.42	5.00	2.51	17.34	96.75	0.00	96.75	23.17	1.48	0.00	5.00	0.86	1.04	2.52	23.02	-0.09	31.75	4.00
575	5.75	2.32	33.14	-8.63	1.43	2.32	1.43	5.00	2.52	17.34	96.92	0.00	96.92	22.92	1.49	0.00	5.00	0.86	1.04	2.53	22.78	-0.09	31.52	4.00
576	5.76	2.31	33.58	-8.63	1.46	2.31	1.45	5.00	2.52	17.35	97.09	0.00	97.09	22.77	1.52	0.00	4.00	0.86	1.04	2.54	22.64	-0.09	31.27	4.00
577	5.77	2.29	34.68	-8.63	1.52	2.29	1.52	4.00	2.54	17.38	97.27	0.00	97.27	22.52	1.58	0.00	4.00	0.87	1.04	2.55	22.41	-0.09	30.73	4.00
578	5.78	2.28	35.60	-8.63	1.56	2.28	1.56	4.00	2.55	17.41	97.44	0.00	97.44	22.38	1.63	0.00	4.00	0.87	1.03	2.56	22.27	-0.09	30.34	4.00
579	5.79	2.26	37.36	-8.63	1.65	2.26	1.65	4.00	2.56	17.47	97.62	0.00	97.62	22.13	1.73	0.00	4.00	0.88	1.03	2.58	22.04	-0.09	29.63	4.00
580	5.80	2.25	38.28	-8.63	1.70	2.25	1.70	4.00	2.57	17.49	97.79	0.00	97.79	21.99	1.78	0.00	4.00	0.88	1.03	2.59	21.90	-0.09	29.27	4.00
581	5.81	2.23	39.38	-8.63	1.77	2.23	1.77	4.00	2.58	17.52	97.97	0.00	97.97	21.74	1.85	0.00	4.00	0.89	1.03	2.60	21.66	-0.09	28.77	4.00
582	5.82	2.22	39.73	-8.63	1.79	2.22	1.79	4.00	2.59	17.53	98.14	0.00	98.14	21.60	1.87	0.00	4.00	0.89	1.03	2.61	21.53	-0.09	28.57	4.00
583	5.83	2.22	40.67	-8.53	1.84	2.22	1.83	4.00	2.60	17.56	98.32	0.00	98.32	21.56	1.92	0.00	4.00	0.89	1.03	2.61	21.49	-0.09	28.31	4.00
584	5.84	2.22	41.18	-8.53	1.85	2.22	1.86	4.00	2.60	17.57	98.49	0.00	98.49	21.52	1.94	0.00	4.00	0.90	1.03	2.62	21.46	-0.09	28.17	4.00
585	5.85	2.24	41.62	-8.53	1.86	2.24	1.86	4.00	2.60	17.59	98.67	0.00	98.67	21.68	1.95	0.00	4.00	0.89	1.02	2.61	21.62	-0.09	28.22	4.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
586	5.86	2.30	42.06	-8.43	1.83	2.30	1.83	4.00	2.58	17.61	98.84	0.00	98.84	22.25	1.91	0.00	4.00	0.89	1.02	2.60	22.19	-0.09	28.63	5.00
587	5.87	2.33	42.16	-8.43	1.81	2.33	1.81	4.00	2.58	17.62	99.02	0.00	99.02	22.51	1.89	0.00	4.00	0.89	1.02	2.59	22.45	-0.09	28.86	5.00
588	5.88	2.42	42.41	-8.34	1.75	2.42	1.75	4.00	2.55	17.64	99.20	0.00	99.20	23.38	1.83	0.00	4.00	0.88	1.02	2.57	23.32	-0.08	29.58	5.00
589	5.89	2.45	42.25	-8.34	1.72	2.45	1.73	4.00	2.55	17.64	99.37	0.00	99.37	23.64	1.80	0.00	4.00	0.88	1.02	2.56	23.58	-0.08	29.87	5.00
590	5.90	2.52	42.06	-8.24	1.67	2.52	1.67	4.00	2.53	17.64	99.55	0.00	99.55	24.30	1.74	0.00	4.00	0.87	1.02	2.55	24.24	-0.08	30.53	5.00
591	5.91	2.53	42.00	-8.24	1.66	2.53	1.66	4.00	2.52	17.64	99.73	0.00	99.73	24.35	1.73	0.00	4.00	0.87	1.01	2.54	24.30	-0.08	30.62	5.00
592	5.92	2.53	42.00	-8.24	1.66	2.53	1.66	4.00	2.52	17.64	99.90	0.00	99.90	24.31	1.73	0.00	4.00	0.87	1.01	2.54	24.26	-0.08	30.60	5.00
593	5.93	2.53	42.00	-8.24	1.66	2.53	1.66	4.00	2.52	17.64	100.08	0.00	100.08	24.26	1.73	0.00	4.00	0.87	1.01	2.54	24.22	-0.08	30.58	5.00
594	5.94	2.52	38.02	-7.76	1.51	2.52	1.51	5.00	2.50	17.53	100.25	0.00	100.25	24.12	1.57	0.00	5.00	0.86	1.01	2.52	24.08	-0.08	31.60	4.00
595	5.95	2.49	38.34	-7.86	1.54	2.49	1.54	5.00	2.51	17.53	100.43	0.00	100.43	23.78	1.61	0.00	4.00	0.86	1.01	2.53	23.75	-0.08	31.21	4.00
596	5.96	2.46	38.75	-7.86	1.58	2.46	1.58	5.00	2.52	17.54	100.60	0.00	100.60	23.44	1.64	0.00	4.00	0.87	1.01	2.54	23.41	-0.08	30.80	4.00
597	5.97	2.38	39.85	-7.86	1.67	2.38	1.68	4.00	2.55	17.56	100.78	0.00	100.78	22.60	1.75	0.00	4.00	0.88	1.00	2.57	22.58	-0.08	29.75	4.00
598	5.98	2.32	40.11	-7.95	1.73	2.32	1.73	4.00	2.57	17.56	100.96	0.00	100.96	21.96	1.81	0.00	4.00	0.89	1.00	2.59	21.95	-0.08	29.13	4.00
599	5.99	2.23	40.42	-8.05	1.81	2.23	1.81	4.00	2.59	17.55	101.13	0.00	101.13	21.03	1.90	0.00	4.00	0.90	1.00	2.62	21.03	-0.08	28.22	4.00
600	6.00	2.18	40.48	-7.95	1.85	2.18	1.86	4.00	2.61	17.54	101.31	0.00	101.31	20.50	1.95	0.00	4.00	0.90	1.00	2.63	20.50	-0.08	27.74	4.00
601	6.01	2.11	41.05	-8.05	1.94	2.11	1.95	4.00	2.63	17.55	101.48	0.00	101.48	19.78	2.05	0.00	4.00	0.91	1.00	2.66	19.78	-0.08	26.96	4.00
602	6.02	2.10	41.34	-8.05	1.97	2.10	1.97	4.00	2.63	17.55	101.66	0.00	101.66	19.64	2.07	0.00	4.00	0.92	1.00	2.66	19.65	-0.08	26.79	4.00
603	6.03	2.09	41.56	-8.05	1.98	2.09	1.99	4.00	2.64	17.56	101.83	0.00	101.83	19.51	2.09	0.00	4.00	0.92	1.00	2.67	19.52	-0.08	26.63	4.00
604	6.04	2.09	41.18	-8.05	1.97	2.09	1.97	4.00	2.63	17.55	102.01	0.00	102.01	19.47	2.07	0.00	4.00	0.92	0.99	2.67	19.48	-0.08	26.71	4.00
605	6.05	2.09	41.02	-8.05	1.96	2.09	1.96	4.00	2.63	17.54	102.18	0.00	102.18	19.44	2.07	0.00	4.00	0.92	0.99	2.67	19.45	-0.08	26.73	4.00
606	6.06	2.09	41.75	-8.05	1.99	2.09	2.00	4.00	2.64	17.56	102.36	0.00	102.36	19.40	2.10	0.00	4.00	0.92	0.99	2.67	19.42	-0.08	26.55	4.00
607	6.07	2.13	44.27	-8.05	2.08	2.13	2.08	4.00	2.64	17.64	102.54	0.00	102.54	19.76	2.19	0.00	4.00	0.92	0.99	2.68	19.78	-0.08	26.30	0.00
608	6.08	2.13	45.81	-8.05	2.15	2.13	2.15	4.00	2.65	17.68	102.71	0.00	102.71	19.72	2.26	0.00	4.00	0.92	0.99	2.68	19.74	-0.08	25.94	5.00
609	6.09	2.16	47.99	-7.95	2.22	2.16	2.22	4.00	2.65	17.74	102.89	0.00	102.89	19.98	2.33	0.00	4.00	0.93	0.99	2.69	20.00	-0.08	25.71	5.00
610	6.10	2.17	47.89	-7.95	2.20	2.17	2.21	4.00	2.65	17.74	103.07	0.00	103.07	20.04	2.32	0.00	4.00	0.92	0.98	2.69	20.06	-0.08	25.80	5.00
611	6.11	2.18	47.80	-7.95	2.19	2.18	2.19	4.00	2.65	17.73	103.24	0.00	103.24	20.10	2.30	0.00	4.00	0.92	0.98	2.68	20.13	-0.08	25.89	5.00
612	6.12	2.20	47.58	-7.95	2.16	2.20	2.16	4.00	2.64	17.73	103.42	0.00	103.42	20.26	2.27	0.00	4.00	0.92	0.98	2.68	20.29	-0.08	26.09	5.00
613	6.13	2.22	47.20	-7.95	2.13	2.22	2.13	4.00	2.63	17.73	103.60	0.00	103.60	20.41	2.23	0.00	4.00	0.92	0.98	2.67	20.45	-0.08	26.33	5.00
614	6.14	2.24	46.70	-7.95	2.09	2.24	2.09	4.00	2.62	17.72	103.78	0.00	103.78	20.57	2.19	0.00	4.00	0.92	0.98	2.66	20.61	-0.08	26.60	5.00
615	6.15	2.24	46.13	-7.95	2.06	2.24	2.06	4.00	2.62	17.70	103.95	0.00	103.95	20.53	2.16	0.00	4.00	0.91	0.98	2.66	20.58	-0.08	26.71	5.00
616	6.16	2.25	45.37	-7.95	2.01	2.25	2.02	4.00	2.61	17.69	104.13	0.00	104.13	20.59	2.12	0.00	4.00	0.91	0.98	2.65	20.64	-0.08	26.95	0.00
617	6.17	2.26	44.96	-7.86	1.99	2.26	1.99	4.00	2.61	17.68	104.31	0.00	104.31	20.65	2.09	0.00	4.00	0.91	0.97	2.65	20.70	-0.08	27.12	0.00
618	6.18	2.26	44.49	-7.86	1.96	2.26	1.97	4.00	2.61	17.67	104.48	0.00	104.48	20.61	2.07	0.00	4.00	0.91	0.97	2.65	20.67	-0.08	27.22	4.00
619	6.19	2.28	44.24	-7.95	1.94	2.28	1.94	4.00	2.60	17.66	104.66	0.00	104.66	20.77	2.04	0.00	4.00	0.91	0.97	2.64	20.83	-0.08	27.43	4.00
620	6.20	2.29	43.16	-7.86	1.88	2.29	1.89	4.00	2.59	17.64	104.84	0.00	104.84	20.83	1.98	0.00	4.00	0.90	0.97	2.63	20.90	-0.07	27.76	4.00
621	6.21	2.30	42.50	-7.86	1.85	2.30	1.85	4.00	2.58	17.62	105.01	0.00	105.01	20.89	1.94	0.00	4.00	0.90	0.97	2.62	20.96	-0.07	27.99	4.00
622	6.22	2.31	41.37	-7.86	1.79	2.31	1.79	4.00	2.58	17.59	105.19	0.00	105.19	20.94	1.88	0.00	4.00	0.90	0.97	2.62	21.02	-0.07	28.34	4.00
623	6.23	2.32	40.42	-7.86	1.74	2.32	1.74	4.00	2.57	17.57	105.36	0.00	105.36	21.00	1.83	0.00	4.00	0.90	0.97	2.61	21.09	-0.07	28.65	4.00
624	6.24	2.34	39.07	-7.86	1.67	2.34	1.67	4.00	2.55	17.53	105.54	0.00	105.54	21.16	1.75	0.00	4.00	0.89	0.96	2.59	21.25	-0.07	29.16	4.00
625	6.25	2.36	38.69	-7.76	1.64	2.36	1.64	4.00	2.55	17.52	105.72	0.00	105.72	21.31	1.72	0.00	4.00	0.89	0.96	2.59	21.41	-0.07	29.42	4.00
626	6.26	2.40	38.40	-7.76	1.60	2.40	1.60	4.00	2.53	17.52	105.89	0.00	105.89	21.65	1.68	0.00	4.00	0.88	0.96	2.58	21.76	-0.07	29.84	4.00
627	6.27	2.41	38.25	-7.76	1.59	2.41	1.59	4.00	2.53	17.52	106.07	0.00	106.07	21.71	1.66	0.00	4.00	0.88	0.96	2.57	21.82	-0.07	29.95	4.00
628	6.28	2.44	38.25	-7.76	1.57	2.44	1.57	5.00	2.52	17.52	106.24	0.00	106.24	21.95	1.64	0.00	4.00	0.88	0.96	2.56	22.08	-0.07	30.20	4.00
629	6.29	2.48	38.43	-7.67	1.55	2.48	1.55	5.00	2.51	17.53	106.42	0.00	106.42	22.29	1.62	0.00	4.00	0.88	0.96	2.56	22.42	-0.07	30.49	4.00
630	6.30	2.51	38.62	-7.76	1.54	2.51	1.54	5.00	2.51	17.54	106.59	0.00	106.59	22.53	1.61	0.00	4.00	0.87	0.96	2.55	22.68	-0.07	30.69	4.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
631	6.31	2.56	38.81	-7.67	1.52	2.56	1.52	5.00	2.50	17.56	106.77	0.00	106.77	22.96	1.58	0.00	4.00	0.87	0.96	2.54	23.12	-0.07	31.07	4.00
632	6.32	2.57	39.07	-7.67	1.52	2.57	1.52	5.00	2.50	17.57	106.94	0.00	106.94	23.02	1.59	0.00	4.00	0.87	0.95	2.54	23.18	-0.07	31.07	4.00
633	6.33	2.55	40.04	-7.67	1.57	2.55	1.57	5.00	2.51	17.59	107.12	0.00	107.12	22.79	1.64	0.00	4.00	0.87	0.95	2.55	22.95	-0.07	30.61	4.00
634	6.34	2.50	40.61	-7.67	1.62	2.50	1.63	4.00	2.52	17.60	107.29	0.00	107.29	22.29	1.70	0.00	4.00	0.88	0.95	2.57	22.44	-0.07	30.00	4.00
635	6.35	2.45	41.08	-7.67	1.68	2.45	1.68	4.00	2.54	17.61	107.47	0.00	107.47	21.78	1.75	0.00	4.00	0.89	0.95	2.58	21.93	-0.07	29.43	4.00
636	6.36	2.20	42.38	-7.76	1.93	2.20	1.93	4.00	2.61	17.60	107.65	0.00	107.65	19.42	2.03	0.00	4.00	0.92	0.95	2.66	19.52	-0.07	26.94	4.00
637	6.37	2.11	42.88	-7.86	2.03	2.11	2.03	4.00	2.64	17.60	107.82	0.00	107.82	18.55	2.14	0.00	4.00	0.93	0.94	2.69	18.64	-0.07	26.05	4.00
638	6.38	2.03	43.64	-7.86	2.15	2.03	2.15	4.00	2.67	17.60	108.00	0.00	108.00	17.78	2.27	0.00	4.00	0.94	0.94	2.72	17.85	-0.07	25.19	4.00
639	6.39	1.94	45.88	-7.86	2.36	1.94	2.37	4.00	2.71	17.64	108.18	0.00	108.18	16.92	2.51	0.00	4.00	0.96	0.94	2.76	16.97	-0.07	23.96	4.00
640	6.40	1.93	47.17	-7.86	2.45	1.93	2.45	4.00	2.72	17.67	108.35	0.00	108.35	16.80	2.59	0.00	4.00	0.96	0.94	2.78	16.84	-0.07	23.62	4.00
641	6.41	1.90	48.59	-7.86	2.56	1.90	2.56	4.00	2.73	17.70	108.53	0.00	108.53	16.49	2.71	0.00	4.00	0.97	0.94	2.79	16.53	-0.07	23.09	0.00
642	6.42	1.91	52.72	-7.38	2.76	1.91	2.76	4.00	2.75	17.80	108.71	0.00	108.71	16.56	2.93	0.00	4.00	0.98	0.93	2.81	16.58	-0.07	22.42	5.00
643	6.43	1.91	52.72	-7.38	2.76	1.91	2.76	4.00	2.75	17.80	108.88	0.00	108.88	16.53	2.93	0.00	4.00	0.98	0.93	2.81	16.56	-0.07	22.41	5.00
644	6.44	2.06	59.84	-5.27	2.90	2.06	2.91	4.00	2.74	17.97	109.06	0.00	109.06	17.88	3.07	0.00	4.00	0.97	0.93	2.80	17.92	-0.05	22.34	5.00
645	6.45	2.20	61.86	-5.18	2.82	2.20	2.81	4.00	2.71	18.03	109.24	0.00	109.24	19.13	2.96	0.00	4.00	0.96	0.93	2.76	19.19	-0.05	23.02	5.00
646	6.46	2.37	63.06	-5.18	2.67	2.37	2.66	4.00	2.67	18.09	109.43	0.00	109.43	20.65	2.79	0.00	4.00	0.94	0.93	2.72	20.74	-0.05	24.04	5.00
647	6.47	2.79	64.38	-4.89	2.31	2.79	2.31	4.00	2.57	18.17	109.61	0.00	109.61	24.45	2.40	0.00	4.00	0.90	0.93	2.62	24.63	-0.04	26.81	5.00
648	6.48	3.02	64.32	-4.79	2.13	3.02	2.13	4.00	2.53	18.20	109.79	0.00	109.79	26.50	2.21	0.00	4.00	0.88	0.93	2.57	26.74	-0.04	28.46	5.00
649	6.49	3.52	61.89	-4.60	1.76	3.52	1.76	5.00	2.42	18.22	109.97	0.00	109.97	31.00	1.82	0.00	5.00	0.84	0.93	2.47	31.40	-0.04	32.60	7.00
650	6.50	3.77	60.03	-4.50	1.59	3.77	1.59	5.00	2.37	18.21	110.15	0.00	110.15	33.22	1.64	0.00	5.00	0.82	0.93	2.41	33.71	-0.04	34.88	7.00
651	6.51	3.99	58.08	-4.50	1.45	3.99	1.46	5.00	2.33	18.19	110.34	0.00	110.34	35.15	1.50	0.00	5.00	0.81	0.93	2.37	35.73	-0.04	37.03	7.00
652	6.52	4.27	56.15	-4.41	1.31	4.27	1.32	5.00	2.28	18.18	110.52	0.00	110.52	37.63	1.35	0.00	5.00	0.79	0.93	2.32	38.33	-0.04	39.69	7.00
653	6.53	4.33	55.78	-4.31	1.29	4.33	1.29	5.00	2.27	18.18	110.70	0.00	110.70	38.11	1.32	0.00	5.00	0.78	0.93	2.31	38.84	-0.04	40.24	7.00
654	6.54	4.37	56.25	-4.31	1.29	4.37	1.29	5.00	2.27	18.19	110.88	0.00	110.88	38.40	1.32	0.00	5.00	0.78	0.93	2.31	39.16	-0.04	40.38	7.00
655	6.55	4.37	56.22	-4.41	1.29	4.37	1.29	5.00	2.27	18.19	111.06	0.00	111.06	38.34	1.32	0.00	5.00	0.78	0.93	2.31	39.11	-0.04	40.37	7.00
656	6.56	4.37	55.78	-4.31	1.28	4.37	1.28	5.00	2.26	18.18	111.24	0.00	111.24	38.27	1.31	0.00	5.00	0.78	0.93	2.31	39.06	-0.04	40.49	7.00
657	6.57	4.34	54.45	-4.31	1.25	4.34	1.25	5.00	2.26	18.15	111.43	0.00	111.43	37.94	1.29	0.00	5.00	0.78	0.93	2.30	38.73	-0.04	40.65	7.00
658	6.58	4.31	53.66	-4.41	1.25	4.31	1.25	5.00	2.26	18.13	111.61	0.00	111.61	37.61	1.28	0.00	5.00	0.78	0.93	2.31	38.40	-0.04	40.64	7.00
659	6.59	4.21	52.59	-4.41	1.25	4.21	1.25	5.00	2.27	18.10	111.79	0.00	111.79	36.65	1.28	0.00	5.00	0.79	0.93	2.32	37.43	-0.04	40.18	7.00
660	6.60	4.16	52.43	-4.41	1.26	4.16	1.26	5.00	2.28	18.09	111.97	0.00	111.97	36.14	1.30	0.00	5.00	0.79	0.92	2.32	36.91	-0.04	39.82	7.00
661	6.61	4.08	52.53	-4.41	1.29	4.08	1.29	5.00	2.29	18.08	112.15	0.00	112.15	35.37	1.32	0.00	5.00	0.80	0.92	2.34	36.11	-0.04	39.14	7.00
662	6.62	4.05	52.65	-4.41	1.30	4.05	1.30	5.00	2.30	18.08	112.33	0.00	112.33	35.05	1.34	0.00	5.00	0.80	0.92	2.34	35.78	-0.04	38.85	7.00
663	6.63	4.05	53.60	-4.41	1.32	4.05	1.32	5.00	2.30	18.10	112.51	0.00	112.51	34.99	1.36	0.00	5.00	0.80	0.92	2.35	35.73	-0.04	38.54	7.00
664	6.64	4.05	54.67	-4.41	1.35	4.05	1.35	5.00	2.31	18.13	112.69	0.00	112.69	34.93	1.39	0.00	5.00	0.80	0.92	2.35	35.67	-0.04	38.21	7.00
665	6.65	4.04	56.82	-4.41	1.41	4.04	1.41	5.00	2.32	18.17	112.87	0.00	112.87	34.78	1.45	0.00	5.00	0.81	0.92	2.36	35.52	-0.04	37.49	7.00
666	6.66	4.03	57.51	-4.41	1.43	4.03	1.43	5.00	2.32	18.18	113.06	0.00	113.06	34.64	1.47	0.00	5.00	0.81	0.92	2.37	35.37	-0.04	37.21	7.00
667	6.67	4.02	57.70	-4.41	1.43	4.02	1.44	5.00	2.32	18.19	113.24	0.00	113.24	34.49	1.48	0.00	5.00	0.81	0.91	2.37	35.23	-0.04	37.06	7.00
668	6.68	4.03	56.69	-4.41	1.41	4.03	1.41	5.00	2.32	18.17	113.42	0.00	113.42	34.52	1.45	0.00	5.00	0.81	0.91	2.37	35.28	-0.04	37.40	7.00
669	6.69	4.01	56.09	-4.41	1.40	4.01	1.40	5.00	2.32	18.15	113.60	0.00	113.60	34.29	1.44	0.00	5.00	0.81	0.91	2.37	35.05	-0.04	37.40	7.00
670	6.70	3.99	56.66	-4.41	1.42	3.99	1.42	5.00	2.32	18.16	113.78	0.00	113.78	34.06	1.46	0.00	5.00	0.81	0.91	2.37	34.81	-0.04	37.07	7.00
671	6.71	4.00	57.38	-4.41	1.43	4.00	1.43	5.00	2.33	18.18	113.97	0.00	113.97	34.09	1.48	0.00	5.00	0.81	0.91	2.38	34.85	-0.04	36.92	7.00
672	6.72	4.02	59.34	-4.31	1.48	4.02	1.48	5.00	2.33	18.22	114.15	0.00	114.15	34.21	1.52	0.00	5.00	0.81	0.91	2.38	34.98	-0.04	36.52	7.00
673	6.73	4.06	59.84	-4.31	1.47	4.06	1.47	5.00	2.33	18.23	114.33	0.00	114.33	34.50	1.52	0.00	5.00	0.81	0.91	2.38	35.29	-0.04	36.66	7.00
674	6.74	4.13	60.06	-4.31	1.45	4.13	1.45	5.00	2.32	18.24	114.51	0.00	114.51	35.06	1.50	0.00	5.00	0.81	0.91	2.37	35.89	-0.04	37.10	7.00
675	6.75	4.19	60.25	-4.22	1.44	4.19	1.44	5.00	2.31	18.25	114.69	0.00	114.69	35.52	1.48	0.00	5.00	0.81	0.90	2.36	36.39	-0.04	37.47	7.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
676	6.76	4.30	60.73	-4.22	1.41	4.30	1.41	5.00	2.30	18.27	114.88	0.00	114.88	36.42	1.45	0.00	5.00	0.80	0.90	2.35	37.34	-0.04	38.12	7.00
677	6.77	4.35	60.98	-4.22	1.40	4.35	1.40	5.00	2.29	18.28	115.06	0.00	115.06	36.80	1.44	0.00	5.00	0.80	0.90	2.34	37.75	-0.04	38.39	7.00
678	6.78	4.36	61.42	-4.12	1.41	4.36	1.41	5.00	2.29	18.29	115.24	0.00	115.24	36.83	1.45	0.00	5.00	0.80	0.90	2.34	37.79	-0.04	38.33	7.00
679	6.79	4.35	61.51	-4.12	1.41	4.35	1.41	5.00	2.29	18.29	115.43	0.00	115.43	36.68	1.45	0.00	5.00	0.80	0.90	2.34	37.65	-0.04	38.21	7.00
680	6.80	4.31	61.48	-4.12	1.43	4.31	1.43	5.00	2.30	18.29	115.61	0.00	115.61	36.27	1.47	0.00	5.00	0.80	0.90	2.35	37.23	-0.04	37.91	7.00
681	6.81	4.19	62.15	-4.12	1.48	4.19	1.48	5.00	2.32	18.29	115.79	0.00	115.79	35.18	1.53	0.00	5.00	0.81	0.90	2.37	36.08	-0.04	36.85	7.00
682	6.82	4.09	63.60	-4.12	1.56	4.09	1.56	5.00	2.34	18.30	115.97	0.00	115.97	34.26	1.60	0.00	5.00	0.82	0.90	2.39	35.10	-0.04	35.74	7.00
683	6.83	3.85	66.15	-4.22	1.72	3.85	1.72	5.00	2.39	18.33	116.16	0.00	116.16	32.14	1.77	0.00	5.00	0.84	0.89	2.44	32.85	-0.04	33.42	7.00
684	6.84	3.73	66.81	-4.22	1.79	3.73	1.79	5.00	2.41	18.33	116.34	0.00	116.34	31.05	1.85	0.00	5.00	0.85	0.89	2.47	31.71	-0.04	32.43	7.00
685	6.85	3.53	67.47	-4.22	1.91	3.53	1.91	5.00	2.44	18.32	116.52	0.00	116.52	29.29	1.98	0.00	4.00	0.86	0.89	2.51	29.86	-0.04	30.89	5.00
686	6.86	3.44	67.13	-4.31	1.95	3.44	1.95	5.00	2.46	18.30	116.71	0.00	116.71	28.47	2.02	0.00	4.00	0.87	0.88	2.52	29.00	-0.04	30.33	5.00
687	6.87	3.32	66.50	-4.31	2.00	3.32	2.00	5.00	2.48	18.28	116.89	0.00	116.89	27.39	2.08	0.00	4.00	0.88	0.88	2.54	27.88	-0.04	29.62	5.00
688	6.88	3.25	66.69	-4.31	2.05	3.25	2.05	5.00	2.49	18.27	117.07	0.00	117.07	26.75	2.13	0.00	4.00	0.88	0.88	2.56	27.21	-0.04	29.09	5.00
689	6.89	3.16	66.34	-4.31	2.10	3.16	2.10	4.00	2.51	18.25	117.26	0.00	117.26	25.94	2.18	0.00	4.00	0.89	0.88	2.57	26.37	-0.04	28.52	5.00
690	6.90	3.12	65.77	-4.31	2.11	3.12	2.11	4.00	2.51	18.24	117.44	0.00	117.44	25.56	2.19	0.00	4.00	0.89	0.88	2.58	25.97	-0.04	28.35	5.00
691	6.91	3.10	65.01	-4.31	2.10	3.10	2.10	4.00	2.51	18.22	117.62	0.00	117.62	25.35	2.18	0.00	4.00	0.89	0.88	2.58	25.76	-0.04	28.34	5.00
692	6.92	3.10	65.01	-4.31	2.10	3.10	2.10	4.00	2.51	18.22	117.80	0.00	117.80	25.31	2.18	0.00	4.00	0.89	0.87	2.58	25.72	-0.04	28.33	5.00
693	6.93	3.10	65.01	-4.31	2.10	3.10	2.10	4.00	2.51	18.22	117.98	0.00	117.98	25.27	2.18	0.00	4.00	0.89	0.87	2.58	25.68	-0.04	28.32	5.00
694	6.94	3.03	54.39	-4.41	1.80	3.03	1.80	5.00	2.48	18.01	118.16	0.00	118.16	24.63	1.87	0.00	4.00	0.88	0.87	2.55	25.09	-0.04	30.02	5.00
695	6.95	3.02	53.25	-4.41	1.76	3.02	1.76	5.00	2.48	17.98	118.34	0.00	118.34	24.51	1.84	0.00	4.00	0.88	0.87	2.55	24.97	-0.04	30.19	5.00
696	6.96	2.97	51.46	-4.41	1.73	2.97	1.73	5.00	2.48	17.94	118.52	0.00	118.52	24.05	1.81	0.00	4.00	0.88	0.87	2.55	24.50	-0.04	30.20	5.00
697	6.97	2.88	49.41	-4.60	1.71	2.88	1.72	5.00	2.49	17.88	118.70	0.00	118.70	23.25	1.79	0.00	4.00	0.88	0.87	2.56	23.68	-0.04	29.97	5.00
698	6.98	2.83	48.97	-4.50	1.73	2.83	1.73	5.00	2.49	17.86	118.88	0.00	118.88	22.80	1.81	0.00	4.00	0.89	0.87	2.57	23.21	-0.04	29.67	5.00
699	6.99	2.76	48.68	-4.60	1.76	2.76	1.76	5.00	2.51	17.85	119.06	0.00	119.06	22.17	1.84	0.00	4.00	0.89	0.87	2.59	22.56	-0.04	29.17	4.00
700	7.00	2.62	48.24	-4.70	1.84	2.62	1.84	4.00	2.54	17.82	119.24	0.00	119.24	20.96	1.93	0.00	4.00	0.91	0.86	2.62	21.29	-0.04	28.17	4.00
701	7.01	2.54	47.86	-4.79	1.88	2.54	1.89	4.00	2.55	17.79	119.42	0.00	119.42	20.26	1.98	0.00	4.00	0.91	0.86	2.64	20.55	-0.04	27.61	4.00
702	7.02	2.36	47.36	-4.89	2.01	2.36	2.01	4.00	2.60	17.75	119.59	0.00	119.59	18.72	2.11	0.00	4.00	0.93	0.86	2.68	18.94	-0.04	26.30	4.00
703	7.03	2.26	47.26	-4.98	2.09	2.26	2.09	4.00	2.62	17.74	119.77	0.00	119.77	17.86	2.21	0.00	4.00	0.94	0.85	2.71	18.03	-0.04	25.52	4.00
704	7.04	2.06	49.00	-5.08	2.38	2.06	2.38	4.00	2.69	17.74	119.95	0.00	119.95	16.17	2.53	0.00	4.00	0.97	0.85	2.78	16.25	-0.04	23.63	4.00
705	7.05	2.03	51.33	-5.08	2.53	2.03	2.53	4.00	2.71	17.79	120.13	0.00	120.13	15.89	2.69	0.00	4.00	0.98	0.85	2.80	15.95	-0.04	22.99	4.00
706	7.06	2.02	57.42	-4.79	2.84	2.02	2.84	4.00	2.74	17.92	120.31	0.00	120.31	15.78	3.02	0.00	4.00	0.99	0.84	2.84	15.81	-0.04	21.91	3.00
707	7.07	2.07	60.03	-4.70	2.90	2.07	2.90	4.00	2.74	17.98	120.49	0.00	120.49	16.17	3.08	0.00	4.00	0.99	0.84	2.83	16.20	-0.04	21.85	3.00
708	7.08	2.13	62.24	-4.50	2.92	2.13	2.92	4.00	2.73	18.03	120.67	0.00	120.67	16.64	3.10	0.00	4.00	0.99	0.84	2.82	16.69	-0.04	21.93	3.00
709	7.09	2.33	66.72	-4.22	2.87	2.33	2.86	4.00	2.69	18.14	120.85	0.00	120.85	18.27	3.02	0.00	4.00	0.97	0.84	2.79	18.37	-0.03	22.60	5.00
710	7.10	2.45	66.91	-4.22	2.73	2.45	2.73	4.00	2.66	18.17	121.03	0.00	121.03	19.24	2.87	0.00	4.00	0.96	0.84	2.75	19.38	-0.03	23.37	5.00
711	7.11	2.56	67.63	-4.12	2.64	2.56	2.64	4.00	2.64	18.20	121.21	0.00	121.21	20.11	2.77	0.00	4.00	0.95	0.84	2.73	20.30	-0.03	23.99	5.00
712	7.12	2.63	65.93	-4.12	2.50	2.63	2.51	4.00	2.62	18.18	121.39	0.00	121.39	20.66	2.63	0.00	4.00	0.94	0.84	2.70	20.88	-0.03	24.73	5.00
713	7.13	2.78	63.41	-4.03	2.28	2.78	2.28	4.00	2.57	18.15	121.57	0.00	121.57	21.86	2.39	0.00	4.00	0.92	0.85	2.66	22.17	-0.03	26.18	5.00
714	7.14	2.88	62.05	-4.03	2.16	2.88	2.16	4.00	2.55	18.14	121.76	0.00	121.76	22.65	2.25	0.00	4.00	0.91	0.85	2.63	23.02	-0.03	27.11	5.00
715	7.15	2.97	60.51	-3.93	2.03	2.97	2.04	4.00	2.52	18.12	121.94	0.00	121.94	23.35	2.13	0.00	4.00	0.90	0.85	2.60	23.78	-0.03	28.02	5.00
716	7.16	3.09	58.99	-3.93	1.91	3.09	1.91	5.00	2.49	18.11	122.12	0.00	122.12	24.30	1.99	0.00	4.00	0.89	0.85	2.57	24.80	-0.03	29.17	5.00
717	7.17	3.36	56.34	-3.83	1.68	3.36	1.68	5.00	2.43	18.09	122.30	0.00	122.30	26.47	1.74	0.00	5.00	0.87	0.85	2.51	27.15	-0.03	31.68	5.00
718	7.18	3.52	55.37	-3.74	1.57	3.52	1.57	5.00	2.39	18.09	122.48	0.00	122.48	27.73	1.63	0.00	5.00	0.85	0.85	2.47	28.52	-0.03	33.07	7.00
719	7.19	3.80	53.41	-3.64	1.41	3.80	1.41	5.00	2.34	18.08	122.66	0.00	122.66	29.97	1.45	0.00	5.00	0.83	0.85	2.41	30.96	-0.03	35.63	7.00
720	7.20	3.90	52.78	-3.64	1.35	3.90	1.35	5.00	2.32	18.07	122.84	0.00	122.84	30.74	1.40	0.00	5.00	0.82	0.85	2.39	31.81	-0.03	36.53	7.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
721	7.21	4.01	52.21	-3.55	1.30	4.01	1.30	5.00	2.30	18.07	123.02	0.00	123.02	31.59	1.34	0.00	5.00	0.82	0.85	2.37	32.74	-0.03	37.50	7.00
722	7.22	4.26	51.14	-3.45	1.20	4.26	1.20	5.00	2.26	18.07	123.20	0.00	123.20	33.57	1.24	0.00	5.00	0.80	0.86	2.33	34.92	-0.03	39.69	7.00
723	7.23	4.41	50.48	-3.45	1.15	4.41	1.14	5.00	2.23	18.07	123.38	0.00	123.38	34.74	1.18	0.00	5.00	0.79	0.86	2.31	36.20	-0.03	41.02	7.00
724	7.24	4.56	49.75	-3.35	1.09	4.56	1.09	5.00	2.21	18.06	123.56	0.00	123.56	35.90	1.12	0.00	5.00	0.78	0.86	2.28	37.50	-0.03	42.39	7.00
725	7.25	4.84	48.97	-3.35	1.01	4.84	1.01	5.00	2.17	18.07	123.74	0.00	123.74	38.11	1.04	0.00	5.00	0.76	0.86	2.24	39.94	-0.03	44.80	7.00
726	7.26	4.90	49.00	-3.26	1.00	4.90	1.00	5.00	2.16	18.07	123.92	0.00	123.92	38.53	1.03	0.00	5.00	0.76	0.86	2.23	40.42	-0.03	45.23	7.00
727	7.27	4.85	52.15	-3.35	1.08	4.85	1.08	5.00	2.18	18.14	124.11	0.00	124.11	38.07	1.10	0.00	5.00	0.77	0.86	2.26	39.88	-0.03	43.75	7.00
728	7.28	4.77	53.88	-3.35	1.13	4.77	1.13	5.00	2.20	18.17	124.29	0.00	124.29	37.37	1.16	0.00	5.00	0.78	0.85	2.28	39.10	-0.03	42.57	7.00
729	7.29	4.54	56.47	-3.35	1.24	4.54	1.24	5.00	2.24	18.21	124.47	0.00	124.47	35.47	1.28	0.00	5.00	0.80	0.85	2.32	37.00	-0.03	40.06	7.00
730	7.30	4.42	57.48	-3.35	1.30	4.42	1.30	5.00	2.27	18.22	124.65	0.00	124.65	34.45	1.34	0.00	5.00	0.80	0.85	2.34	35.88	-0.03	38.88	7.00
731	7.31	4.18	59.56	-3.45	1.42	4.18	1.43	5.00	2.31	18.24	124.83	0.00	124.83	32.48	1.47	0.00	5.00	0.82	0.84	2.39	33.71	-0.03	36.57	7.00
732	7.32	4.10	60.38	-3.45	1.47	4.10	1.47	5.00	2.32	18.25	125.02	0.00	125.02	31.79	1.52	0.00	5.00	0.83	0.84	2.40	32.96	-0.03	35.78	7.00
733	7.33	4.00	61.20	-3.55	1.53	4.00	1.53	5.00	2.34	18.25	125.20	0.00	125.20	30.94	1.58	0.00	5.00	0.84	0.84	2.42	32.04	-0.03	34.86	7.00
734	7.34	3.83	61.42	-3.55	1.60	3.83	1.60	5.00	2.37	18.24	125.38	0.00	125.38	29.54	1.66	0.00	5.00	0.85	0.84	2.45	30.52	-0.03	33.60	7.00
735	7.35	3.75	60.92	-3.64	1.62	3.75	1.62	5.00	2.38	18.22	125.56	0.00	125.56	28.86	1.68	0.00	5.00	0.85	0.83	2.46	29.80	-0.03	33.14	7.00
736	7.36	3.61	59.84	-3.64	1.66	3.61	1.66	5.00	2.40	18.19	125.75	0.00	125.75	27.70	1.72	0.00	5.00	0.86	0.83	2.48	28.56	-0.03	32.39	7.00
737	7.37	3.56	59.47	-3.64	1.67	3.56	1.67	5.00	2.41	18.17	125.93	0.00	125.93	27.26	1.73	0.00	5.00	0.86	0.83	2.49	28.09	-0.03	32.10	7.00
738	7.38	3.41	58.99	-3.74	1.73	3.41	1.73	5.00	2.43	18.15	126.11	0.00	126.11	26.03	1.80	0.00	4.00	0.87	0.83	2.52	26.77	-0.03	31.14	5.00
739	7.39	3.33	59.24	-3.74	1.78	3.33	1.78	5.00	2.44	18.14	126.29	0.00	126.29	25.36	1.85	0.00	4.00	0.88	0.82	2.54	26.05	-0.03	30.50	5.00
740	7.40	3.14	59.12	-3.83	1.88	3.14	1.88	5.00	2.48	18.12	126.47	0.00	126.47	23.82	1.96	0.00	4.00	0.89	0.82	2.57	24.39	-0.03	29.18	5.00
741	7.41	3.01	58.74	-3.83	1.95	3.01	1.95	4.00	2.50	18.10	126.65	0.00	126.65	22.76	2.04	0.00	4.00	0.90	0.82	2.60	23.26	-0.03	28.33	5.00
742	7.42	2.87	58.20	-3.93	2.03	2.87	2.03	4.00	2.53	18.07	126.83	0.00	126.83	21.62	2.12	0.00	4.00	0.91	0.81	2.63	22.04	-0.03	27.44	5.00
743	7.43	2.55	55.81	-4.12	2.19	2.55	2.19	4.00	2.59	17.97	127.01	0.00	127.01	19.07	2.30	0.00	4.00	0.94	0.81	2.70	19.33	-0.03	25.61	5.00
744	7.44	2.37	54.80	-4.22	2.32	2.37	2.31	4.00	2.63	17.92	127.19	0.00	127.19	17.63	2.44	0.00	4.00	0.96	0.80	2.74	17.80	-0.03	24.49	4.00
745	7.45	2.03	54.33	-4.41	2.68	2.03	2.68	4.00	2.72	17.85	127.37	0.00	127.37	14.93	2.86	0.00	4.00	1.00	0.80	2.84	14.94	-0.03	22.13	4.00
746	7.46	1.88	54.58	-4.50	2.90	1.88	2.90	4.00	2.77	17.83	127.55	0.00	127.55	13.73	3.12	0.00	3.00	1.00	0.79	2.89	13.73	-0.04	21.04	2.00
747	7.47	1.74	55.27	-4.60	3.17	1.74	3.18	4.00	2.82	17.82	127.73	0.00	127.73	12.62	3.43	0.00	3.00	1.00	0.79	2.95	12.62	-0.04	19.97	2.00
748	7.48	1.52	57.76	-4.79	3.81	1.52	3.80	3.00	2.92	17.81	127.91	0.00	127.91	10.88	4.15	0.00	3.00	1.00	0.79	3.05	10.88	-0.04	18.13	2.00
749	7.49	1.43	59.53	-4.89	4.16	1.43	4.17	3.00	2.96	17.83	128.08	0.00	128.08	10.16	4.58	0.00	3.00	1.00	0.79	3.10	10.16	-0.04	17.31	2.00
750	7.50	1.37	61.51	-4.98	4.50	1.37	4.49	3.00	3.00	17.85	128.26	0.00	128.26	9.67	4.96	0.00	3.00	1.00	0.79	3.14	9.67	-0.04	16.68	2.00
751	7.51	1.20	67.88	-4.98	5.65	1.20	5.66	3.00	3.10	17.91	128.44	0.00	128.44	8.33	6.34	0.00	3.00	1.00	0.79	3.25	8.33	-0.04	14.92	2.00
752	7.52	1.12	71.60	-4.98	6.41	1.12	6.40	3.00	3.16	17.94	128.62	0.00	128.62	7.70	7.23	-0.01	3.00	1.00	0.79	3.32	7.70	-0.04	14.08	2.00
753	7.53	1.07	72.77	-4.60	6.78	1.07	6.81	3.00	3.19	17.95	128.80	0.00	128.80	7.30	7.74	0.00	3.00	1.00	0.79	3.35	7.30	-0.04	13.68	2.00
754	7.54	1.13	71.54	-2.59	6.32	1.13	6.33	3.00	3.16	17.95	128.98	0.00	128.98	7.76	7.15	0.00	3.00	1.00	0.79	3.31	7.76	-0.02	14.15	2.00
755	7.55	1.20	69.74	-1.44	5.83	1.20	5.81	3.00	3.11	17.94	129.16	0.00	129.16	8.29	6.51	0.00	3.00	1.00	0.78	3.26	8.29	-0.01	14.75	2.00
756	7.56	1.27	67.38	-0.86	5.32	1.27	5.31	3.00	3.07	17.92	129.34	0.00	129.34	8.82	5.91	0.00	3.00	1.00	0.78	3.22	8.82	-0.01	15.41	2.00
757	7.57	1.36	63.28	-0.58	4.65	1.36	4.65	3.00	3.01	17.88	129.52	0.00	129.52	9.50	5.14	0.00	3.00	1.00	0.78	3.15	9.50	0.00	16.41	2.00
758	7.58	1.37	62.21	-0.48	4.55	1.37	4.54	3.00	3.00	17.86	129.70	0.00	129.70	9.56	5.02	0.00	3.00	1.00	0.78	3.14	9.56	0.00	16.58	2.00
759	7.59	1.31	60.57	-0.67	4.61	1.31	4.62	3.00	3.02	17.81	129.87	0.00	129.87	9.09	5.13	0.00	3.00	1.00	0.78	3.17	9.09	-0.01	16.36	2.00
760	7.60	1.29	59.31	-0.67	4.61	1.29	4.60	3.00	3.02	17.78	130.05	0.00	130.05	8.92	5.11	0.00	3.00	1.00	0.78	3.17	8.92	-0.01	16.36	2.00
761	7.61	1.28	55.78	-0.67	4.37	1.28	4.36	3.00	3.01	17.71	130.23	0.00	130.23	8.83	4.85	0.00	3.00	1.00	0.78	3.16	8.83	-0.01	16.69	2.00
762	7.62	1.28	54.48	-0.58	4.25	1.28	4.26	3.00	3.00	17.68	130.41	0.00	130.41	8.81	4.74	0.00	3.00	1.00	0.78	3.16	8.81	0.00	16.83	2.00
763	7.63	1.31	54.11	-0.48	4.13	1.31	4.13	3.00	2.99	17.68	130.58	0.00	130.58	9.03	4.59	0.00	3.00	1.00	0.78	3.14	9.03	0.00	17.08	2.00
764	7.64	1.32	53.60	-0.29	4.06	1.32	4.06	3.00	2.98	17.67	130.76	0.00	130.76	9.09	4.51	0.00	3.00	1.00	0.77	3.13	9.09	0.00	17.20	2.00
765	7.65	1.33	49.94	-0.38	3.76	1.33	3.76	3.00	2.96	17.60	130.94	0.00	130.94	9.16	4.17	0.00	3.00	1.00	0.77	3.11	9.16	0.00	17.71	2.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
766	7.66	1.30	47.89	-0.38	3.69	1.30	3.68	3.00	2.96	17.54	131.11	0.00	131.11	8.91	4.10	0.00	3.00	1.00	0.77	3.12	8.91	0.00	17.76	2.00
767	7.67	1.23	46.47	-0.48	3.77	1.23	3.78	3.00	2.99	17.48	131.29	0.00	131.29	8.37	4.23	0.00	3.00	1.00	0.77	3.15	8.37	0.00	17.43	2.00
768	7.68	1.08	45.28	-0.77	4.20	1.08	4.19	3.00	3.06	17.40	131.46	0.00	131.46	7.21	4.77	0.00	3.00	1.00	0.77	3.23	7.21	-0.01	16.48	2.00
769	7.69	0.99	45.06	-0.86	4.54	0.99	4.55	3.00	3.11	17.36	131.63	0.00	131.63	6.52	5.25	0.00	3.00	1.00	0.77	3.29	6.52	-0.01	15.85	2.00
770	7.70	0.93	44.84	-0.86	4.82	0.93	4.82	3.00	3.15	17.33	131.81	0.00	131.81	6.05	5.62	0.00	3.00	1.00	0.77	3.33	6.05	-0.01	15.43	2.00
771	7.71	0.82	43.76	-0.96	5.32	0.82	5.34	3.00	3.22	17.26	131.98	0.00	131.98	5.21	6.36	0.00	3.00	1.00	0.77	3.42	5.21	-0.01	14.75	2.00
772	7.72	0.77	42.88	-0.77	5.58	0.77	5.57	3.00	3.25	17.21	132.15	0.00	132.15	4.83	6.72	0.00	3.00	1.00	0.77	3.46	4.83	-0.01	14.47	2.00
773	7.73	0.70	38.43	7.76	5.49	0.70	5.48	3.00	3.28	17.05	132.32	0.00	132.32	4.30	6.75	0.01	3.00	1.00	0.77	3.50	4.30	0.06	14.44	2.00
774	7.74	0.69	35.91	19.93	5.17	0.69	5.17	3.00	3.27	16.97	132.49	0.00	132.49	4.24	6.39	0.04	3.00	1.00	0.76	3.49	4.24	0.15	14.66	2.00
775	7.75	0.70	33.64	27.70	4.81	0.71	4.77	3.00	3.24	16.90	132.66	0.00	132.66	4.32	5.87	0.05	3.00	1.00	0.76	3.46	4.32	0.21	15.02	2.00
776	7.76	0.73	28.66	62.20	3.95	0.74	3.86	3.00	3.17	16.73	132.83	0.00	132.83	4.59	4.70	0.10	3.00	1.00	0.76	3.39	4.59	0.47	15.94	2.00
777	7.77	0.76	26.30	100.92	3.44	0.78	3.37	3.00	3.12	16.65	132.99	0.00	132.99	4.87	4.06	0.16	3.00	1.00	0.76	3.33	4.87	0.76	16.57	2.00
778	7.78	0.89	22.83	136.76	2.57	0.92	2.48	3.00	2.99	16.55	133.16	0.00	133.16	5.90	2.91	0.17	3.00	1.00	0.76	3.18	5.90	1.03	18.24	2.00
779	7.79	0.98	21.50	153.15	2.20	1.01	2.12	3.00	2.91	16.52	133.32	0.00	133.32	6.59	2.45	0.17	3.00	1.00	0.76	3.10	6.59	1.15	19.26	2.00
780	7.80	1.19	20.65	171.36	1.73	1.23	1.68	4.00	2.79	16.55	133.49	0.00	133.49	8.18	1.89	0.16	3.00	1.00	0.76	2.96	8.18	1.28	21.28	1.00
781	7.81	1.26	20.49	171.27	1.63	1.30	1.58	4.00	2.76	16.56	133.66	0.00	133.66	8.70	1.76	0.15	4.00	1.00	0.76	2.92	8.70	1.28	21.91	1.00
782	7.82	1.31	20.15	168.78	1.54	1.35	1.50	4.00	2.73	16.56	133.82	0.00	133.82	9.05	1.66	0.14	4.00	1.00	0.76	2.90	9.05	1.26	22.40	1.00
783	7.83	1.38	19.36	163.98	1.40	1.41	1.37	4.00	2.69	16.53	133.99	0.00	133.99	9.56	1.51	0.13	4.00	1.00	0.76	2.86	9.56	1.22	23.16	1.00
784	7.84	1.40	20.24	162.07	1.44	1.43	1.41	4.00	2.69	16.59	134.15	0.00	134.15	9.69	1.56	0.12	4.00	1.00	0.76	2.86	9.69	1.21	23.14	1.00
785	7.85	1.44	21.98	162.55	1.53	1.47	1.49	4.00	2.70	16.69	134.32	0.00	134.32	9.97	1.64	0.12	4.00	1.00	0.75	2.86	9.97	1.21	23.13	1.00
786	7.86	1.63	26.61	165.42	1.63	1.66	1.60	4.00	2.67	16.96	134.49	0.00	134.49	11.38	1.74	0.11	4.00	0.99	0.76	2.82	11.41	1.23	23.83	4.00
787	7.87	1.75	28.94	168.49	1.65	1.79	1.62	4.00	2.64	17.08	134.66	0.00	134.66	12.26	1.75	0.10	4.00	0.98	0.76	2.79	12.33	1.25	24.37	4.00
788	7.88	1.84	32.03	168.49	1.74	1.88	1.71	4.00	2.64	17.22	134.83	0.00	134.83	12.91	1.84	0.10	4.00	0.98	0.76	2.79	12.99	1.25	24.48	4.00
789	7.89	1.97	34.75	162.16	1.76	2.00	1.73	4.00	2.62	17.34	135.01	0.00	135.01	13.84	1.86	0.09	4.00	0.97	0.76	2.76	13.97	1.20	24.98	4.00
790	7.90	2.03	34.94	127.37	1.72	2.06	1.70	4.00	2.60	17.35	135.18	0.00	135.18	14.21	1.82	0.07	4.00	0.96	0.76	2.75	14.37	0.94	25.35	4.00
791	7.91	1.97	36.16	88.17	1.84	1.99	1.82	4.00	2.63	17.38	135.35	0.00	135.35	13.69	1.95	0.05	4.00	0.97	0.75	2.78	13.79	0.65	24.55	4.00
792	7.92	1.97	36.16	88.17	1.84	1.99	1.82	4.00	2.63	17.38	135.53	0.00	135.53	13.67	1.95	0.05	4.00	0.98	0.75	2.78	13.77	0.65	24.54	4.00
793	7.93	1.97	36.16	88.17	1.84	1.99	1.82	4.00	2.63	17.38	135.70	0.00	135.70	13.65	1.95	0.05	4.00	0.98	0.75	2.78	13.75	0.65	24.53	4.00
794	7.94	2.10	58.80	23.77	2.80	2.10	2.79	4.00	2.72	17.96	135.88	0.00	135.88	14.49	2.99	0.01	3.00	1.00	0.75	2.86	14.49	0.17	21.62	2.00
795	7.95	1.95	63.09	16.01	3.24	1.95	3.23	4.00	2.79	18.01	136.06	0.00	136.06	13.36	3.47	0.01	3.00	1.00	0.74	2.93	13.36	0.12	20.07	2.00
796	7.96	1.83	65.93	10.73	3.60	1.83	3.60	3.00	2.84	18.04	136.24	0.00	136.24	12.45	3.89	0.01	3.00	1.00	0.74	2.99	12.45	0.08	18.96	2.00
797	7.97	1.71	67.82	8.82	3.97	1.71	3.96	3.00	2.89	18.04	136.42	0.00	136.42	11.55	4.30	0.01	3.00	1.00	0.74	3.04	11.55	0.06	18.00	2.00
798	7.98	1.51	71.38	7.95	4.74	1.51	4.72	3.00	2.98	18.06	136.60	0.00	136.60	10.07	5.19	0.01	3.00	1.00	0.74	3.14	10.07	0.06	16.41	2.00
799	7.99	1.45	72.39	8.72	5.00	1.45	4.99	3.00	3.01	18.06	136.78	0.00	136.78	9.61	5.50	0.01	3.00	1.00	0.74	3.17	9.61	0.06	15.96	2.00
800	8.00	1.34	73.46	10.54	5.48	1.34	5.47	3.00	3.06	18.04	136.96	0.00	136.96	8.80	6.09	0.01	3.00	1.00	0.74	3.22	8.80	0.08	15.21	2.00
801	8.01	1.30	73.05	11.12	5.63	1.30	5.61	3.00	3.07	18.03	137.14	0.00	137.14	8.50	6.27	0.01	3.00	1.00	0.74	3.24	8.50	0.08	15.01	2.00
802	8.02	1.28	71.92	11.31	5.63	1.28	5.61	3.00	3.08	18.00	137.32	0.00	137.32	8.34	6.28	0.01	3.00	1.00	0.74	3.25	8.34	0.08	14.99	2.00
803	8.03	1.29	67.51	11.88	5.22	1.29	5.22	3.00	3.06	17.93	137.50	0.00	137.50	8.40	5.85	0.01	3.00	1.00	0.74	3.23	8.40	0.09	15.45	2.00
804	8.04	1.34	65.39	12.27	4.88	1.34	4.87	3.00	3.03	17.91	137.68	0.00	137.68	8.75	5.43	0.01	3.00	1.00	0.74	3.20	8.75	0.09	15.96	2.00
805	8.05	1.39	63.63	12.65	4.58	1.39	4.57	3.00	3.00	17.89	137.86	0.00	137.86	9.10	5.07	0.01	3.00	1.00	0.73	3.16	9.10	0.09	16.45	2.00
806	8.06	1.52	60.63	13.51	4.00	1.52	3.98	3.00	2.93	17.87	138.04	0.00	138.04	10.03	4.38	0.01	3.00	1.00	0.73	3.09	10.03	0.10	17.58	2.00
807	8.07	1.55	59.72	13.99	3.84	1.55	3.85	3.00	2.91	17.86	138.22	0.00	138.22	10.24	4.22	0.01	3.00	1.00	0.73	3.08	10.24	0.10	17.87	2.00
808	8.08	1.61	58.61	14.38	3.65	1.61	3.63	3.00	2.88	17.85	138.40	0.00	138.40	10.66	3.97	0.01	3.00	1.00	0.73	3.05	10.66	0.10	18.38	2.00
809	8.09	1.73	57.38	15.53	3.32	1.73	3.31	3.00	2.83	17.86	138.57	0.00	138.57	11.51	3.60	0.01	3.00	1.00	0.73	2.99	11.51	0.11	19.31	2.00
810	8.10	1.83	57.92	16.10	3.17	1.83	3.16	4.00	2.80	17.89	138.75	0.00	138.75	12.21	3.42	0.01	3.00	1.00	0.73	2.96	12.21	0.12	19.88	2.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
811	8.11	2.02	59.97	16.96	2.97	2.02	2.96	4.00	2.75	17.97	138.93	0.00	138.93	13.56	3.18	0.01	3.00	1.00	0.73	2.90	13.56	0.12	20.82	2.00
812	8.12	2.14	60.00	17.06	2.80	2.14	2.80	4.00	2.72	17.99	139.11	0.00	139.11	14.41	2.99	0.01	3.00	1.00	0.73	2.87	14.41	0.12	21.58	2.00
813	8.13	2.36	62.87	17.35	2.66	2.36	2.66	4.00	2.67	18.08	139.29	0.00	139.29	15.97	2.83	0.01	4.00	0.99	0.73	2.82	16.01	0.12	22.57	5.00
814	8.14	2.45	65.01	17.44	2.66	2.45	2.65	4.00	2.66	18.13	139.48	0.00	139.48	16.59	2.81	0.01	4.00	0.99	0.73	2.80	16.67	0.13	22.83	5.00
815	8.15	2.50	65.46	17.54	2.61	2.50	2.61	4.00	2.64	18.15	139.66	0.00	139.66	16.93	2.77	0.01	4.00	0.98	0.73	2.79	17.03	0.13	23.07	5.00
816	8.16	2.37	67.60	17.44	2.85	2.37	2.85	4.00	2.69	18.17	139.84	0.00	139.84	15.97	3.03	0.01	4.00	1.00	0.72	2.83	15.98	0.12	21.95	3.00
817	8.17	2.28	69.81	17.35	3.07	2.28	3.06	4.00	2.72	18.19	140.02	0.00	140.02	15.31	3.26	0.01	3.00	1.00	0.72	2.87	15.31	0.12	21.12	3.00
818	8.18	2.23	71.86	17.44	3.23	2.23	3.22	4.00	2.74	18.21	140.20	0.00	140.20	14.93	3.43	0.01	3.00	1.00	0.72	2.89	14.93	0.12	20.56	3.00
819	8.19	2.25	74.00	17.54	3.29	2.25	3.28	4.00	2.74	18.25	140.38	0.00	140.38	15.05	3.50	0.01	3.00	1.00	0.72	2.89	15.05	0.12	20.42	3.00
820	8.20	2.29	77.06	17.73	3.37	2.29	3.36	4.00	2.74	18.30	140.57	0.00	140.57	15.32	3.58	0.01	3.00	1.00	0.72	2.89	15.32	0.13	20.28	3.00
821	8.21	2.44	83.05	18.11	3.40	2.44	3.40	4.00	2.72	18.41	140.75	0.00	140.75	16.36	3.61	0.01	3.00	1.00	0.72	2.87	16.36	0.13	20.44	3.00
822	8.22	2.49	84.34	18.21	3.38	2.49	3.38	4.00	2.72	18.44	140.94	0.00	140.94	16.69	3.58	0.01	3.00	1.00	0.72	2.86	16.69	0.13	20.56	3.00
823	8.23	2.42	83.93	17.92	3.47	2.42	3.46	4.00	2.73	18.42	141.12	0.00	141.12	16.18	3.68	0.01	3.00	1.00	0.72	2.88	16.18	0.13	20.22	3.00
824	8.24	2.34	83.27	17.83	3.55	2.34	3.55	4.00	2.75	18.40	141.30	0.00	141.30	15.59	3.78	0.01	3.00	1.00	0.72	2.90	15.59	0.13	19.85	3.00
825	8.25	2.18	81.79	17.44	3.74	2.18	3.75	4.00	2.79	18.35	141.49	0.00	141.49	14.43	4.01	0.01	3.00	1.00	0.72	2.94	14.43	0.12	19.12	3.00
826	8.26	2.21	82.14	17.44	3.71	2.21	3.71	4.00	2.78	18.36	141.67	0.00	141.67	14.63	3.96	0.01	3.00	1.00	0.72	2.94	14.63	0.12	19.24	3.00
827	8.27	2.44	83.30	18.21	3.41	2.44	3.41	4.00	2.73	18.42	141.86	0.00	141.86	16.23	3.62	0.01	3.00	1.00	0.71	2.88	16.23	0.13	20.38	3.00
828	8.28	2.56	85.07	18.69	3.32	2.56	3.32	4.00	2.70	18.46	142.04	0.00	142.04	17.05	3.51	0.01	3.00	1.00	0.71	2.85	17.05	0.13	20.83	3.00
829	8.29	2.71	85.70	18.98	3.16	2.71	3.16	4.00	2.67	18.49	142.23	0.00	142.23	18.08	3.33	0.01	4.00	0.99	0.71	2.82	18.12	0.13	21.57	3.00
830	8.30	2.80	84.09	18.88	3.00	2.80	3.00	4.00	2.64	18.48	142.41	0.00	142.41	18.69	3.16	0.01	4.00	0.98	0.72	2.79	18.80	0.13	22.26	5.00
831	8.31	2.83	83.71	18.98	2.96	2.83	2.95	4.00	2.64	18.48	142.60	0.00	142.60	18.87	3.11	0.01	4.00	0.98	0.72	2.78	19.00	0.13	22.46	5.00
832	8.32	2.98	82.42	19.07	2.77	2.98	2.76	4.00	2.60	18.48	142.78	0.00	142.78	19.90	2.90	0.01	4.00	0.97	0.72	2.74	20.14	0.13	23.47	5.00
833	8.33	3.02	82.07	19.07	2.72	3.02	2.71	4.00	2.59	18.48	142.96	0.00	142.96	20.15	2.85	0.01	4.00	0.96	0.72	2.73	20.42	0.13	23.73	5.00
834	8.34	3.03	81.98	19.07	2.70	3.03	2.70	4.00	2.59	18.48	143.15	0.00	143.15	20.19	2.84	0.01	4.00	0.96	0.72	2.73	20.47	0.13	23.79	5.00
835	8.35	3.16	80.94	19.74	2.56	3.16	2.56	4.00	2.56	18.48	143.33	0.00	143.33	21.08	2.68	0.01	4.00	0.95	0.72	2.70	21.45	0.14	24.67	5.00
836	8.36	3.27	79.64	19.74	2.43	3.27	2.43	4.00	2.53	18.48	143.52	0.00	143.52	21.81	2.54	0.01	4.00	0.94	0.72	2.67	22.28	0.14	25.48	5.00
837	8.37	3.41	77.09	19.84	2.26	3.41	2.26	4.00	2.50	18.46	143.70	0.00	143.70	22.76	2.36	0.01	4.00	0.93	0.72	2.64	23.36	0.14	26.67	5.00
838	8.38	3.65	72.90	19.93	2.00	3.65	1.99	5.00	2.44	18.42	143.89	0.00	143.89	24.40	2.08	0.01	4.00	0.90	0.73	2.58	25.24	0.14	28.79	5.00
839	8.39	3.79	70.82	20.03	1.87	3.79	1.87	5.00	2.41	18.40	144.07	0.00	144.07	25.34	1.94	0.01	4.00	0.89	0.73	2.54	26.33	0.14	30.00	5.00
840	8.40	3.95	67.47	20.13	1.71	3.95	1.71	5.00	2.37	18.36	144.26	0.00	144.26	26.41	1.77	0.01	5.00	0.88	0.73	2.50	27.60	0.14	31.63	5.00
841	8.41	3.96	66.50	20.13	1.68	3.96	1.68	5.00	2.37	18.34	144.44	0.00	144.44	26.45	1.74	0.01	5.00	0.87	0.73	2.50	27.66	0.14	31.87	5.00
842	8.42	3.79	60.82	19.93	1.60	3.79	1.60	5.00	2.37	18.22	144.62	0.00	144.62	25.24	1.67	0.01	5.00	0.88	0.73	2.51	26.37	0.14	31.92	5.00
843	8.43	3.60	57.32	19.74	1.59	3.60	1.59	5.00	2.39	18.14	144.80	0.00	144.80	23.89	1.66	0.01	4.00	0.88	0.73	2.52	24.91	0.14	31.37	5.00
844	8.44	3.01	52.56	19.17	1.74	3.01	1.74	5.00	2.47	17.97	144.98	0.00	144.98	19.79	1.83	0.01	4.00	0.92	0.72	2.62	20.36	0.13	28.30	4.00
845	8.45	2.68	51.93	18.78	1.94	2.68	1.93	4.00	2.54	17.91	145.16	0.00	145.16	17.49	2.05	0.01	4.00	0.95	0.71	2.70	17.81	0.13	26.13	4.00
846	8.46	2.31	51.68	18.40	2.24	2.31	2.23	4.00	2.63	17.85	145.34	0.00	145.34	14.92	2.38	0.01	4.00	0.99	0.70	2.80	14.99	0.13	23.64	4.00
847	8.47	1.74	53.44	17.54	3.08	1.74	3.06	4.00	2.81	17.78	145.52	0.00	145.52	10.98	3.34	0.01	3.00	1.00	0.70	2.99	10.98	0.12	19.66	2.00
848	8.48	1.54	54.11	17.35	3.52	1.54	3.51	3.00	2.89	17.75	145.70	0.00	145.70	9.60	3.87	0.01	3.00	1.00	0.70	3.08	9.60	0.12	18.29	2.00
849	8.49	1.38	53.88	17.16	3.90	1.38	3.89	3.00	2.95	17.70	145.87	0.00	145.87	8.49	4.35	0.01	3.00	1.00	0.69	3.15	8.49	0.12	17.29	2.00
850	8.50	1.15	55.37	16.77	4.80	1.15	4.80	3.00	3.07	17.66	146.05	0.00	146.05	6.90	5.50	0.02	3.00	1.00	0.69	3.28	6.90	0.11	15.66	2.00
851	8.51	1.05	57.45	16.58	5.46	1.05	5.45	3.00	3.14	17.67	146.23	0.00	146.23	6.20	6.33	0.02	3.00	1.00	0.69	3.35	6.20	0.11	14.83	2.00
852	8.52	0.97	58.36	16.29	6.04	0.97	6.00	3.00	3.19	17.66	146.40	0.00	146.40	5.65	7.06	0.02	3.00	1.00	0.69	3.42	5.65	0.11	14.24	2.00
853	8.53	0.85	61.39	16.39	7.23	0.85	7.19	3.00	3.28	17.66	146.58	0.00	146.58	4.82	8.68	0.02	2.00	1.00	0.69	3.53	4.82	0.11	13.25	2.00
854	8.54	0.81	62.59	16.39	7.71	0.81	7.69	3.00	3.32	17.67	146.76	0.00	146.76	4.54	9.39	0.02	2.00	1.00	0.69	3.57	4.54	0.11	12.91	2.00
855	8.55	0.83	62.62	16.58	7.56	0.83	7.51	3.00	3.30	17.68	146.93	0.00	146.93	4.67	9.12	0.02	2.00	1.00	0.69	3.55	4.67	0.11	13.03	2.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
856	8.56	0.90	61.33	16.96	6.79	0.90	6.79	3.00	3.25	17.68	147.11	0.00	147.11	5.14	8.11	0.02	3.00	1.00	0.69	3.48	5.14	0.12	13.56	2.00
857	8.57	1.27	57.54	17.54	4.53	1.27	4.52	3.00	3.02	17.74	147.29	0.00	147.29	7.65	5.11	0.02	3.00	1.00	0.69	3.23	7.65	0.12	16.18	2.00
858	8.58	1.49	55.24	18.11	3.71	1.49	3.70	3.00	2.91	17.76	147.46	0.00	147.46	9.13	4.10	0.01	3.00	1.00	0.69	3.11	9.13	0.12	17.80	2.00
859	8.59	1.89	47.04	19.26	2.50	1.89	2.48	4.00	2.73	17.66	147.64	0.00	147.64	11.83	2.69	0.01	3.00	1.00	0.69	2.91	11.83	0.13	21.43	2.00
860	8.60	2.09	45.43	19.55	2.18	2.09	2.17	4.00	2.66	17.66	147.82	0.00	147.82	13.17	2.33	0.01	4.00	1.00	0.69	2.84	13.17	0.13	23.00	4.00
861	8.61	2.17	46.70	19.65	2.15	2.17	2.15	4.00	2.64	17.71	147.99	0.00	147.99	13.69	2.30	0.01	4.00	1.00	0.69	2.82	13.70	0.13	23.33	4.00
862	8.62	2.36	50.92	20.32	2.16	2.36	2.15	4.00	2.61	17.84	148.17	0.00	148.17	14.96	2.30	0.01	4.00	0.98	0.69	2.79	15.05	0.14	23.95	4.00
863	8.63	2.57	51.71	20.89	2.01	2.57	2.01	4.00	2.57	17.89	148.35	0.00	148.35	16.35	2.13	0.01	4.00	0.96	0.69	2.73	16.58	0.14	25.23	4.00
864	8.64	2.91	51.77	21.18	1.78	2.91	1.78	5.00	2.49	17.94	148.53	0.00	148.53	18.62	1.87	0.01	4.00	0.93	0.70	2.65	19.11	0.14	27.52	4.00
865	8.65	3.33	55.71	21.37	1.67	3.33	1.67	5.00	2.43	18.07	148.71	0.00	148.71	21.42	1.75	0.01	4.00	0.91	0.71	2.58	22.21	0.14	29.59	4.00
866	8.66	3.37	60.06	21.28	1.78	3.37	1.78	5.00	2.44	18.17	148.89	0.00	148.89	21.66	1.86	0.01	4.00	0.91	0.70	2.59	22.42	0.14	29.01	4.00
867	8.67	3.24	68.55	21.18	2.12	3.24	2.11	4.00	2.50	18.30	149.08	0.00	149.08	20.76	2.21	0.01	4.00	0.93	0.70	2.65	21.30	0.14	26.71	5.00
868	8.68	3.04	71.67	21.08	2.35	3.04	2.35	4.00	2.55	18.33	149.26	0.00	149.26	19.40	2.48	0.01	4.00	0.96	0.69	2.71	19.73	0.14	25.02	5.00
869	8.69	2.59	76.30	20.61	2.95	2.59	2.94	4.00	2.66	18.34	149.44	0.00	149.44	16.36	3.12	0.01	3.00	1.00	0.68	2.83	16.36	0.14	21.77	3.00
870	8.70	2.39	77.09	20.41	3.23	2.39	3.22	4.00	2.72	18.32	149.63	0.00	149.63	15.00	3.43	0.01	3.00	1.00	0.68	2.89	15.00	0.14	20.57	3.00
871	8.71	2.17	77.53	20.22	3.57	2.17	3.57	4.00	2.78	18.29	149.81	0.00	149.81	13.51	3.83	0.01	3.00	1.00	0.68	2.95	13.51	0.13	19.31	3.00
872	8.72	1.86	77.19	19.93	4.15	1.86	4.14	3.00	2.87	18.23	149.99	0.00	149.99	11.43	4.50	0.01	3.00	1.00	0.68	3.05	11.43	0.13	17.64	2.00
873	8.73	1.72	77.34	19.74	4.50	1.72	4.49	3.00	2.92	18.20	150.17	0.00	150.17	10.48	4.91	0.01	3.00	1.00	0.67	3.11	10.48	0.13	16.86	2.00
874	8.74	1.60	77.41	19.55	4.85	1.60	4.83	3.00	2.96	18.17	150.36	0.00	150.36	9.67	5.32	0.01	3.00	1.00	0.67	3.16	9.67	0.13	16.19	2.00
875	8.75	1.44	74.50	19.07	5.19	1.44	5.16	3.00	3.02	18.09	150.54	0.00	150.54	8.59	5.76	0.01	3.00	1.00	0.67	3.22	8.59	0.13	15.56	2.00
876	8.76	1.33	73.05	18.88	5.49	1.33	5.48	3.00	3.06	18.03	150.72	0.00	150.72	7.85	6.17	0.02	3.00	1.00	0.67	3.27	7.85	0.13	15.07	2.00
877	8.77	1.12	69.55	18.78	6.20	1.12	6.19	3.00	3.15	17.91	150.90	0.00	150.90	6.45	7.15	0.02	3.00	1.00	0.67	3.37	6.45	0.12	14.17	2.00
878	8.78	1.03	68.74	18.78	6.67	1.03	6.65	3.00	3.20	17.87	151.07	0.00	151.07	5.84	7.79	0.02	3.00	1.00	0.67	3.43	5.84	0.12	13.72	2.00
879	8.79	0.84	68.51	18.59	8.12	0.84	8.12	3.00	3.32	17.79	151.25	0.00	151.25	4.58	9.89	0.03	2.00	1.00	0.67	3.58	4.58	0.12	12.65	2.00
880	8.80	0.73	67.95	18.50	9.29	0.73	9.26	3.00	3.40	17.72	151.43	0.00	151.43	3.85	11.67	0.03	2.00	1.00	0.67	3.68	3.85	0.12	12.05	1.00
881	8.81	0.64	64.89	18.40	10.21	0.64	10.08	2.00	3.47	17.62	151.61	0.00	151.61	3.25	13.18	0.04	2.00	1.00	0.67	3.77	3.25	0.12	11.74	1.00
882	8.82	0.56	59.37	18.40	10.69	0.56	10.53	2.00	3.53	17.47	151.78	0.00	151.78	2.72	14.41	0.04	2.00	1.00	0.67	3.86	2.72	0.12	11.65	1.00
883	8.83	0.54	57.01	18.50	10.57	0.54	10.48	2.00	3.54	17.41	151.95	0.00	151.95	2.58	14.55	0.05	2.00	1.00	0.67	3.88	2.58	0.12	11.70	1.00
884	8.84	0.53	54.74	18.50	10.25	0.53	10.25	2.00	3.54	17.35	152.13	0.00	152.13	2.51	14.34	0.05	2.00	1.00	0.67	3.88	2.51	0.12	11.80	1.00
885	8.85	0.55	51.02	18.59	9.27	0.55	9.21	2.00	3.50	17.28	152.30	0.00	152.30	2.64	12.70	0.05	2.00	1.00	0.67	3.83	2.64	0.12	12.21	1.00
886	8.86	0.59	49.22	18.78	8.30	0.59	8.29	3.00	3.45	17.27	152.47	0.00	152.47	2.90	11.15	0.04	2.00	1.00	0.66	3.77	2.90	0.12	12.61	1.00
887	8.87	0.83	44.77	19.07	5.37	0.83	5.37	3.00	3.21	17.29	152.65	0.00	152.65	4.46	6.57	0.03	3.00	1.00	0.66	3.48	4.46	0.12	14.56	2.00
888	8.88	1.00	42.98	19.36	4.28	1.00	4.28	3.00	3.09	17.32	152.82	0.00	152.82	5.57	5.05	0.02	3.00	1.00	0.66	3.33	5.57	0.13	15.87	2.00
889	8.89	1.20	41.18	19.55	3.43	1.20	3.42	3.00	2.97	17.34	152.99	0.00	152.99	6.87	3.92	0.02	3.00	1.00	0.66	3.20	6.87	0.13	17.41	2.00
890	8.90	1.64	36.39	20.13	2.22	1.64	2.21	4.00	2.75	17.31	153.17	0.00	153.17	9.73	2.44	0.01	3.00	1.00	0.66	2.96	9.73	0.13	21.05	2.00
891	8.91	1.86	35.69	20.70	1.91	1.86	1.91	4.00	2.67	17.34	153.34	0.00	153.34	11.16	2.09	0.01	4.00	1.00	0.66	2.87	11.16	0.13	22.68	4.00
892	8.92	1.86	35.69	20.70	1.91	1.86	1.91	4.00	2.67	17.34	153.51	0.00	153.51	11.14	2.09	0.01	4.00	1.00	0.66	2.87	11.14	0.13	22.68	4.00
893	8.93	1.86	35.69	20.70	1.91	1.86	1.91	4.00	2.67	17.34	153.69	0.00	153.69	11.13	2.09	0.01	4.00	1.00	0.66	2.87	11.13	0.13	22.67	4.00
894	8.94	2.56	27.49	20.51	1.07	2.56	1.07	5.00	2.42	17.16	153.86	0.00	153.86	15.67	1.14	0.01	4.00	0.92	0.68	2.60	16.23	0.13	29.64	4.00
895	8.95	2.50	26.17	20.41	1.05	2.50	1.05	5.00	2.42	17.10	154.03	0.00	154.03	15.26	1.11	0.01	4.00	0.92	0.68	2.60	15.80	0.13	29.45	4.00
896	8.96	2.48	26.30	20.32	1.06	2.48	1.06	5.00	2.42	17.10	154.20	0.00	154.20	15.11	1.13	0.01	4.00	0.92	0.68	2.61	15.63	0.13	29.24	4.00
897	8.97	2.47	27.40	20.32	1.11	2.47	1.11	5.00	2.44	17.14	154.37	0.00	154.37	15.03	1.18	0.01	4.00	0.92	0.68	2.62	15.51	0.13	28.89	4.00
898	8.98	2.47	27.71	20.32	1.12	2.47	1.12	5.00	2.44	17.16	154.54	0.00	154.54	15.01	1.19	0.01	4.00	0.93	0.68	2.62	15.49	0.13	28.80	4.00
899	8.99	2.51	28.66	20.22	1.14	2.51	1.14	5.00	2.44	17.20	154.71	0.00	154.71	15.25	1.21	0.01	4.00	0.93	0.68	2.62	15.74	0.13	28.88	4.00
900	9.00	2.52	29.26	20.22	1.16	2.52	1.16	5.00	2.44	17.23	154.89	0.00	154.89	15.30	1.23	0.01	4.00	0.93	0.68	2.62	15.78	0.13	28.81	4.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
901	9.01	2.38	31.18	20.03	1.31	2.38	1.31	5.00	2.49	17.28	155.06	0.00	155.06	14.38	1.40	0.01	4.00	0.95	0.67	2.68	14.71	0.13	27.28	4.00
902	9.02	2.24	31.88	19.84	1.42	2.24	1.42	5.00	2.53	17.28	155.23	0.00	155.23	13.46	1.53	0.01	4.00	0.96	0.66	2.72	13.66	0.13	26.05	4.00
903	9.03	2.15	32.03	19.84	1.49	2.15	1.49	4.00	2.56	17.27	155.40	0.00	155.40	12.86	1.60	0.01	4.00	0.98	0.66	2.75	13.00	0.13	25.32	4.00
904	9.04	1.89	32.38	19.55	1.72	1.89	1.71	4.00	2.64	17.23	155.58	0.00	155.58	11.17	1.86	0.01	4.00	1.00	0.65	2.84	11.17	0.13	23.32	4.00
905	9.05	1.80	32.44	19.46	1.80	1.80	1.80	4.00	2.66	17.22	155.75	0.00	155.75	10.58	1.97	0.01	4.00	1.00	0.65	2.88	10.58	0.12	22.66	4.00
906	9.06	1.75	31.34	19.36	1.79	1.75	1.79	4.00	2.67	17.17	155.92	0.00	155.92	10.25	1.96	0.01	4.00	1.00	0.65	2.89	10.25	0.12	22.47	4.00
907	9.07	1.75	28.57	19.36	1.63	1.75	1.63	4.00	2.65	17.06	156.09	0.00	156.09	10.24	1.79	0.01	4.00	1.00	0.65	2.87	10.24	0.12	22.92	4.00
908	9.08	1.86	26.64	19.46	1.43	1.86	1.43	4.00	2.60	17.00	156.26	0.00	156.26	10.93	1.56	0.01	4.00	1.00	0.65	2.81	10.94	0.12	24.05	4.00
909	9.09	1.94	25.92	19.46	1.34	1.94	1.33	4.00	2.57	16.99	156.43	0.00	156.43	11.43	1.45	0.01	4.00	0.99	0.65	2.78	11.50	0.12	24.81	4.00
910	9.10	2.03	25.35	19.55	1.25	2.03	1.25	5.00	2.54	16.98	156.60	0.00	156.60	11.99	1.35	0.01	4.00	0.97	0.65	2.74	12.14	0.12	25.62	4.00
911	9.11	2.03	25.35	19.46	1.25	2.03	1.25	5.00	2.54	16.98	156.77	0.00	156.77	11.97	1.35	0.01	4.00	0.97	0.65	2.74	12.12	0.12	25.61	4.00
912	9.12	2.00	24.94	19.46	1.25	2.00	1.24	5.00	2.54	16.95	156.94	0.00	156.94	11.77	1.35	0.01	4.00	0.97	0.65	2.75	11.90	0.12	25.44	4.00
913	9.13	1.97	24.53	19.46	1.24	1.97	1.24	5.00	2.55	16.93	157.11	0.00	157.11	11.56	1.35	0.01	4.00	0.98	0.65	2.76	11.68	0.12	25.28	4.00
914	9.14	1.88	23.58	19.26	1.25	1.88	1.25	4.00	2.56	16.87	157.28	0.00	157.28	10.98	1.37	0.01	4.00	0.99	0.65	2.78	11.04	0.12	24.73	4.00
915	9.15	1.82	22.64	19.26	1.24	1.82	1.24	4.00	2.58	16.81	157.45	0.00	157.45	10.59	1.36	0.01	4.00	0.99	0.65	2.79	10.62	0.12	24.42	4.00
916	9.16	1.67	20.81	19.07	1.24	1.67	1.24	4.00	2.61	16.68	157.61	0.00	157.61	9.62	1.37	0.01	4.00	1.00	0.64	2.83	9.62	0.12	23.58	1.00
917	9.17	1.57	20.15	18.98	1.28	1.57	1.28	4.00	2.64	16.62	157.78	0.00	157.78	8.98	1.42	0.01	4.00	1.00	0.64	2.87	8.98	0.12	22.93	1.00
918	9.18	1.49	19.58	18.78	1.31	1.49	1.31	4.00	2.66	16.56	157.95	0.00	157.95	8.46	1.47	0.01	4.00	1.00	0.64	2.90	8.46	0.12	22.40	1.00
919	9.19	1.30	18.60	18.59	1.43	1.30	1.43	4.00	2.73	16.45	158.11	0.00	158.11	7.25	1.62	0.02	3.00	1.00	0.64	2.98	7.25	0.12	21.09	1.00
920	9.20	1.20	18.70	18.40	1.56	1.20	1.55	4.00	2.78	16.43	158.27	0.00	158.27	6.61	1.79	0.02	3.00	1.00	0.64	3.03	6.61	0.12	20.30	1.00
921	9.21	1.10	19.01	18.31	1.73	1.10	1.72	4.00	2.84	16.41	158.44	0.00	158.44	5.97	2.01	0.02	3.00	1.00	0.64	3.10	5.97	0.12	19.47	2.00
922	9.22	0.95	19.58	18.02	2.06	0.95	2.05	3.00	2.93	16.39	158.60	0.00	158.60	5.01	2.46	0.02	3.00	1.00	0.64	3.20	5.01	0.11	18.23	2.00
923	9.23	0.89	19.45	17.83	2.18	0.89	2.18	3.00	2.97	16.36	158.77	0.00	158.77	4.63	2.65	0.02	3.00	1.00	0.64	3.25	4.63	0.11	17.79	2.00
924	9.24	0.84	18.95	17.73	2.25	0.84	2.25	3.00	2.99	16.31	158.93	0.00	158.93	4.31	2.77	0.03	3.00	1.00	0.64	3.29	4.31	0.11	17.47	2.00
925	9.25	0.73	17.94	17.44	2.47	0.73	2.45	3.00	3.07	16.19	159.09	0.00	159.09	3.61	3.12	0.03	3.00	1.00	0.64	3.38	3.61	0.11	16.75	2.00
926	9.26	0.66	17.37	17.35	2.62	0.66	2.62	3.00	3.12	16.11	159.25	0.00	159.25	3.17	3.44	0.03	3.00	1.00	0.64	3.45	3.17	0.11	16.27	2.00
927	9.27	0.56	15.26	17.16	2.72	0.56	2.71	3.00	3.19	15.90	159.41	0.00	159.41	2.54	3.78	0.04	3.00	1.00	0.64	3.55	2.54	0.11	15.75	2.00
928	9.28	0.51	13.40	17.06	2.61	0.51	2.61	3.00	3.21	15.72	159.57	0.00	159.57	2.22	3.79	0.05	3.00	1.00	0.64	3.60	2.22	0.11	15.59	2.00
929	9.29	0.46	11.63	16.96	2.50	0.46	2.51	3.00	3.24	15.52	159.72	0.00	159.72	1.90	3.83	0.06	3.00	1.00	0.63	3.66	1.90	0.11	15.40	2.00
930	9.30	0.39	9.30	16.77	2.39	0.39	2.36	3.00	3.29	15.20	159.88	0.00	159.88	1.46	3.98	0.07	2.00	1.00	0.63	3.77	1.46	0.10	15.12	2.00
931	9.31	0.36	8.70	16.77	2.43	0.36	2.39	3.00	3.32	15.09	160.03	0.00	160.03	1.27	4.28	0.08	2.00	1.00	0.63	3.84	1.27	0.10	14.94	2.00
932	9.32	0.33	8.29	16.68	2.50	0.33	2.49	3.00	3.37	15.00	160.18	0.00	160.18	1.08	4.78	0.10	2.00	1.00	0.63	3.93	1.08	0.10	14.74	2.00
933	9.33	0.29	7.63	16.68	2.65	0.29	2.60	3.00	3.42	14.86	160.32	0.00	160.32	0.83	5.73	0.13	2.00	1.00	0.63	4.06	0.83	0.10	14.49	2.00
934	9.34	0.27	7.50	16.58	2.76	0.27	2.74	3.00	3.46	14.81	160.47	0.00	160.47	0.70	6.64	0.15	2.00	1.00	0.63	4.06	0.70	0.10	14.33	2.00
935	9.35	0.26	7.54	16.58	2.88	0.26	2.86	3.00	3.48	14.80	160.62	0.00	160.62	0.64	7.33	0.16	2.00	1.00	0.63	4.06	0.64	0.10	14.25	2.00
936	9.36	0.24	7.57	16.48	3.15	0.24	3.11	3.00	3.53	14.77	160.77	0.00	160.77	0.51	9.15	0.20	2.00	1.00	0.63	4.06	0.51	0.10	14.07	2.00
937	9.37	0.24	7.72	16.48	3.21	0.24	3.17	3.00	3.54	14.80	160.92	0.00	160.92	0.51	9.35	0.20	2.00	1.00	0.63	4.06	0.51	0.10	14.06	2.00
938	9.38	0.26	8.42	16.48	3.28	0.26	3.20	3.00	3.51	14.93	161.07	0.00	161.07	0.64	8.22	0.16	2.00	1.00	0.63	4.06	0.64	0.10	14.14	2.00
939	9.39	0.28	8.64	16.58	3.11	0.28	3.05	3.00	3.47	14.99	161.22	0.00	161.22	0.76	7.07	0.14	2.00	1.00	0.63	4.06	0.76	0.10	14.28	2.00
940	9.40	0.38	8.73	16.20	2.30	0.38	2.28	3.00	3.29	15.11	161.37	0.00	161.37	1.38	3.93	0.07	2.00	1.00	0.63	3.79	1.38	0.10	15.09	2.00
941	9.41	0.46	8.92	16.20	1.92	0.46	1.92	3.00	3.19	15.21	161.52	0.00	161.52	1.87	2.95	0.05	3.00	1.00	0.63	3.62	1.87	0.10	15.72	2.00
942	9.42	0.68	10.22	16.39	1.51	0.68	1.50	3.00	2.99	15.52	161.67	0.00	161.67	3.23	1.96	0.03	3.00	1.00	0.63	3.32	3.23	0.10	17.33	1.00
943	9.43	0.80	11.00	16.58	1.38	0.80	1.37	4.00	2.91	15.66	161.83	0.00	161.83	3.96	1.71	0.03	3.00	1.00	0.63	3.22	3.96	0.10	18.18	1.00
944	9.44	0.90	11.76	16.68	1.30	0.90	1.30	4.00	2.85	15.78	161.99	0.00	161.99	4.58	1.59	0.02	3.00	1.00	0.63	3.15	4.58	0.10	18.87	1.00
945	9.45	1.12	12.86	17.06	1.15	1.12	1.14	4.00	2.74	15.97	162.15	0.00	162.15	5.93	1.34	0.02	3.00	1.00	0.62	3.01	5.93	0.11	20.44	1.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
946	9.46	1.23	13.27	17.25	1.08	1.23	1.08	4.00	2.69	16.04	162.31	0.00	162.31	6.60	1.24	0.02	4.00	1.00	0.62	2.96	6.60	0.11	21.23	1.00
947	9.47	1.43	13.59	17.63	0.95	1.43	0.95	4.00	2.61	16.13	162.47	0.00	162.47	7.82	1.07	0.01	4.00	1.00	0.62	2.86	7.82	0.11	22.75	1.00
948	9.48	1.54	13.21	17.83	0.86	1.54	0.86	5.00	2.56	16.12	162.63	0.00	162.63	8.49	0.96	0.01	4.00	1.00	0.62	2.81	8.49	0.11	23.67	1.00
949	9.49	1.66	12.45	17.92	0.75	1.66	0.75	5.00	2.51	16.08	162.79	0.00	162.79	9.22	0.83	0.01	4.00	0.98	0.63	2.75	9.32	0.11	24.85	1.00
950	9.50	1.77	11.57	18.02	0.65	1.77	0.65	5.00	2.46	16.02	162.95	0.00	162.95	9.89	0.72	0.01	4.00	0.96	0.64	2.69	10.10	0.11	26.01	4.00
951	9.51	1.97	10.85	18.40	0.55	1.97	0.55	5.00	2.38	15.99	163.11	0.00	163.11	11.10	0.60	0.01	4.00	0.92	0.64	2.61	11.51	0.11	27.97	4.00
952	9.52	2.07	11.00	18.40	0.53	2.07	0.53	5.00	2.36	16.03	163.27	0.00	163.27	11.70	0.58	0.01	5.00	0.91	0.65	2.58	12.20	0.11	28.82	4.00
953	9.53	2.30	12.08	18.78	0.52	2.30	0.52	5.00	2.31	16.17	163.43	0.00	163.43	13.10	0.56	0.01	5.00	0.89	0.65	2.53	13.78	0.11	30.58	4.00
954	9.54	2.44	12.67	18.98	0.52	2.44	0.52	5.00	2.29	16.25	163.60	0.00	163.60	13.94	0.56	0.01	5.00	0.88	0.66	2.50	14.75	0.12	31.65	4.00
955	9.55	2.61	13.15	19.07	0.50	2.61	0.50	5.00	2.26	16.32	163.76	0.00	163.76	14.96	0.54	0.01	5.00	0.87	0.66	2.46	15.94	0.12	33.02	6.00
956	9.56	2.95	13.65	19.36	0.46	2.95	0.46	5.00	2.19	16.41	163.92	0.00	163.92	17.02	0.49	0.01	5.00	0.84	0.67	2.39	18.38	0.12	35.93	6.00
957	9.57	3.08	14.19	19.46	0.46	3.08	0.46	5.00	2.17	16.47	164.09	0.00	164.09	17.80	0.49	0.01	5.00	0.83	0.67	2.37	19.29	0.12	36.91	6.00
958	9.58	3.27	17.03	19.55	0.52	3.27	0.52	5.00	2.17	16.70	164.26	0.00	164.26	18.93	0.55	0.01	5.00	0.83	0.67	2.36	20.55	0.12	37.60	6.00
959	9.59	3.34	17.59	19.55	0.53	3.34	0.53	5.00	2.17	16.75	164.42	0.00	164.42	19.34	0.55	0.01	5.00	0.83	0.67	2.35	21.02	0.12	38.00	6.00
960	9.60	3.36	17.59	19.55	0.52	3.36	0.52	5.00	2.16	16.75	164.59	0.00	164.59	19.44	0.55	0.01	5.00	0.83	0.67	2.35	21.15	0.12	38.16	6.00
961	9.61	3.37	17.88	19.55	0.53	3.37	0.53	5.00	2.16	16.77	164.76	0.00	164.76	19.48	0.56	0.01	5.00	0.83	0.67	2.35	21.19	0.12	38.12	6.00
962	9.62	3.39	18.19	19.46	0.54	3.39	0.54	5.00	2.16	16.79	164.93	0.00	164.93	19.58	0.56	0.01	5.00	0.83	0.67	2.35	21.30	0.12	38.17	6.00
963	9.63	3.41	18.60	19.55	0.55	3.41	0.54	5.00	2.17	16.82	165.09	0.00	165.09	19.68	0.57	0.01	5.00	0.83	0.67	2.35	21.41	0.12	38.18	6.00
964	9.64	3.48	20.31	19.55	0.58	3.48	0.58	5.00	2.17	16.93	165.26	0.00	165.26	20.08	0.61	0.01	5.00	0.83	0.67	2.36	21.83	0.12	38.18	6.00
965	9.65	3.51	21.22	19.55	0.60	3.51	0.60	5.00	2.17	16.98	165.43	0.00	165.43	20.24	0.63	0.01	5.00	0.83	0.67	2.36	21.99	0.12	38.11	6.00
966	9.66	3.54	23.14	19.55	0.65	3.54	0.65	5.00	2.19	17.09	165.60	0.00	165.60	20.40	0.68	0.01	5.00	0.84	0.66	2.37	22.11	0.12	37.72	6.00
967	9.67	3.54	24.31	19.55	0.69	3.54	0.69	5.00	2.20	17.14	165.78	0.00	165.78	20.38	0.72	0.01	5.00	0.84	0.66	2.38	22.05	0.12	37.32	6.00
968	9.68	3.54	25.51	19.55	0.72	3.54	0.72	5.00	2.21	17.20	165.95	0.00	165.95	20.36	0.76	0.01	5.00	0.84	0.66	2.39	21.98	0.12	36.93	6.00
969	9.69	3.42	28.44	19.46	0.83	3.42	0.83	5.00	2.25	17.31	166.12	0.00	166.12	19.61	0.87	0.01	5.00	0.86	0.65	2.44	20.99	0.12	35.08	6.00
970	9.70	3.33	30.80	19.36	0.93	3.33	0.92	5.00	2.28	17.39	166.29	0.00	166.29	19.05	0.97	0.01	5.00	0.88	0.65	2.48	20.25	0.12	33.73	6.00
971	9.71	3.10	36.48	19.17	1.18	3.10	1.18	5.00	2.37	17.56	166.47	0.00	166.47	17.65	1.24	0.01	4.00	0.91	0.64	2.57	18.45	0.12	30.62	4.00
972	9.72	2.96	38.25	19.07	1.29	2.96	1.29	5.00	2.41	17.60	166.65	0.00	166.65	16.79	1.37	0.01	4.00	0.93	0.63	2.61	17.41	0.11	29.22	4.00
973	9.73	2.84	38.75	18.98	1.36	2.84	1.36	5.00	2.43	17.60	166.82	0.00	166.82	16.05	1.45	0.01	4.00	0.94	0.63	2.64	16.55	0.11	28.26	4.00
974	9.74	2.71	44.46	18.98	1.64	2.71	1.64	5.00	2.50	17.74	167.00	0.00	167.00	15.25	1.75	0.01	4.00	0.96	0.62	2.71	15.53	0.11	26.29	4.00
975	9.75	2.69	48.59	19.07	1.81	2.69	1.80	4.00	2.52	17.84	167.18	0.00	167.18	15.11	1.92	0.01	4.00	0.97	0.61	2.74	15.31	0.11	25.45	4.00
976	9.76	2.75	51.11	19.17	1.86	2.75	1.86	4.00	2.52	17.90	167.36	0.00	167.36	15.46	1.98	0.01	4.00	0.97	0.61	2.73	15.66	0.11	25.42	4.00
977	9.77	2.94	51.14	19.17	1.74	2.94	1.74	5.00	2.48	17.93	167.54	0.00	167.54	16.57	1.84	0.01	4.00	0.96	0.62	2.69	16.93	0.11	26.62	4.00
978	9.78	3.05	51.11	19.17	1.68	3.05	1.67	5.00	2.46	17.94	167.72	0.00	167.72	17.21	1.77	0.01	4.00	0.95	0.62	2.66	17.67	0.11	27.32	4.00
979	9.79	3.03	54.11	19.17	1.78	3.03	1.78	5.00	2.48	18.00	167.90	0.00	167.90	17.07	1.89	0.01	4.00	0.96	0.62	2.68	17.46	0.11	26.67	4.00
980	9.80	2.95	56.19	19.26	1.91	2.95	1.90	4.00	2.50	18.04	168.08	0.00	168.08	16.58	2.02	0.01	4.00	0.97	0.61	2.71	16.86	0.11	25.83	4.00
981	9.81	2.69	59.81	19.07	2.23	2.69	2.22	4.00	2.58	18.07	168.26	0.00	168.26	15.01	2.37	0.01	4.00	1.00	0.60	2.79	15.03	0.11	23.71	4.00
982	9.82	2.65	61.96	19.07	2.33	2.65	2.33	4.00	2.59	18.11	168.44	0.00	168.44	14.76	2.49	0.01	4.00	1.00	0.60	2.81	14.76	0.11	23.18	4.00
983	9.83	2.83	64.38	19.17	2.28	2.83	2.27	4.00	2.56	18.18	168.62	0.00	168.62	15.81	2.42	0.01	4.00	0.99	0.60	2.78	15.87	0.11	23.88	4.00
984	9.84	3.09	63.63	19.36	2.06	3.09	2.06	4.00	2.51	18.20	168.80	0.00	168.80	17.33	2.18	0.01	4.00	0.97	0.61	2.72	17.62	0.11	25.50	4.00
985	9.85	3.38	63.53	19.65	1.88	3.38	1.88	5.00	2.45	18.23	168.98	0.00	168.98	19.03	1.98	0.01	4.00	0.94	0.62	2.65	19.57	0.12	27.21	4.00
986	9.86	4.00	58.99	20.13	1.47	4.00	1.47	5.00	2.33	18.21	169.17	0.00	169.17	22.67	1.54	0.01	5.00	0.89	0.63	2.52	23.93	0.12	31.77	4.00
987	9.87	4.18	56.50	20.22	1.35	4.18	1.35	5.00	2.29	18.18	169.35	0.00	169.35	23.71	1.41	0.01	5.00	0.88	0.64	2.48	25.23	0.12	33.39	6.00
988	9.88	4.36	52.59	20.32	1.21	4.36	1.21	5.00	2.25	18.11	169.53	0.00	169.53	24.74	1.25	0.00	5.00	0.86	0.64	2.43	26.57	0.12	35.40	6.00
989	9.89	4.43	50.45	20.32	1.14	4.43	1.14	5.00	2.23	18.07	169.71	0.00	169.71	25.13	1.18	0.00	5.00	0.85	0.64	2.41	27.10	0.12	36.35	6.00
990	9.90	4.46	48.24	20.41	1.08	4.46	1.08	5.00	2.21	18.02	169.89	0.00	169.89	25.28	1.12	0.00	5.00	0.85	0.65	2.40	27.35	0.12	37.08	6.00

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
991	9.91	4.48	43.45	20.41	0.97	4.48	0.97	5.00	2.19	17.90	170.07	0.00	170.07	25.37	1.01	0.00	5.00	0.84	0.65	2.37	27.61	0.12	38.45	6.00
992	9.92	4.48	43.45	20.41	0.97	4.48	0.97	5.00	2.19	17.90	170.25	0.00	170.25	25.34	1.01	0.00	5.00	0.84	0.65	2.37	27.58	0.12	38.43	6.00
993	9.93	4.48	43.45	20.41	0.97	4.48	0.97	5.00	2.19	17.90	170.43	0.00	170.43	25.31	1.01	0.00	5.00	0.84	0.65	2.37	27.55	0.12	38.41	6.00
994	9.94	4.39	25.89	19.84	0.59	4.39	0.59	5.00	2.08	17.30	170.60	0.00	170.60	24.76	0.61	0.00	5.00	0.80	0.66	2.27	27.51	0.12	43.18	6.00
995	9.95	4.41	24.75	19.84	0.56	4.41	0.56	6.00	2.07	17.25	170.77	0.00	170.77	24.85	0.58	0.00	5.00	0.79	0.66	2.25	27.68	0.12	43.74	6.00
996	9.96	4.44	24.69	19.84	0.56	4.44	0.56	6.00	2.07	17.25	170.95	0.00	170.95	25.00	0.58	0.00	5.00	0.79	0.66	2.25	27.87	0.12	43.99	6.00
997	9.97	4.47	24.72	19.84	0.55	4.47	0.55	6.00	2.06	17.25	171.12	0.00	171.12	25.15	0.57	0.00	5.00	0.79	0.66	2.25	28.07	0.12	44.20	6.00
998	9.98	4.59	25.03	19.84	0.55	4.59	0.54	6.00	2.05	17.28	171.29	0.00	171.29	25.82	0.57	0.00	5.00	0.79	0.66	2.23	28.91	0.12	45.05	6.00
999	9.99	4.71	24.72	19.93	0.53	4.71	0.52	6.00	2.03	17.27	171.46	0.00	171.46	26.49	0.54	0.00	5.00	0.78	0.66	2.21	29.78	0.12	46.14	6.00
1000	10.00	4.82	24.59	20.03	0.51	4.82	0.51	6.00	2.02	17.27	171.64	0.00	171.64	27.11	0.53	0.00	5.00	0.77	0.67	2.20	30.57	0.12	47.09	6.00

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	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
1	0.01	0.00	0.00	0.00	0.00E+000	0.00E+000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	13.73	N/A	N/A	N/A	N/A
2	0.02	0.02	0.03	1.00	1.37E-010	1.08E-010	0.00	0.01	0.00	0.00	0.00	1.82	15.00	1.32	4.80	0.30	0.12	36.10	0.00	1.00	46.12	0.00	1.32	41.59	16.23	0.11	13.73	N/A	N/A	N/A	N/A
3	0.03	0.10	0.06	0.00	0.00E+000	0.00E+000	1.00	0.20	0.00	0.00	0.00	3.68	0.00	0.00	0.00	0.30	0.00	51.27	0.00	0.00	0.00	0.00	0.00	12.23	24.07	0.15	13.73	N/A	N/A	N/A	N/A
4	0.04	0.10	0.03	0.00	0.00E+000	0.00E+000	1.00	0.20	0.00	0.00	0.00	3.74	0.00	0.00	0.00	0.30	0.00	51.71	0.00	0.00	0.00	0.00	0.00	12.57	24.68	0.05	13.73	N/A	N/A	N/A	N/A
5	0.05	0.43	0.76	1.00	1.25E-007	4.66E-005	2.00	3.65	0.00	0.00	0.00	7.50	15.00	28.67	41.76	0.30	2.55	73.19	0.00	1.00	39.62	0.00	28.67	3.63	30.82	0.02	13.73	N/A	N/A	N/A	N/A
6	0.06	1.35	1.36	5.00	5.02E-006	8.41E-003	4.00	16.43	28.00	30.00	13.11	12.07	0.00	0.00	0.00	0.30	0.00	92.87	0.04	0.00	0.00	0.00	0.48	1.37	36.47	0.02	13.73	N/A	N/A	N/A	N/A
7	0.07	2.70	1.73	0.00	0.00E+000	0.00E+000	6.00	22.11	0.00	0.00	0.00	16.56	0.00	0.00	0.00	0.30	0.00	107.73	0.00	0.00	0.00	0.00	0.00	1.08	57.37	0.09	14.00	N/A	N/A	N/A	N/A
8	0.08	2.96	2.02	0.00	0.00E+000	0.00E+000	7.00	23.06	0.00	0.00	0.00	17.54	0.00	0.00	0.00	0.30	0.00	110.02	0.00	0.00	0.00	0.00	0.00	1.00	58.27	0.10	14.21	N/A	N/A	N/A	N/A
9	0.09	2.73	3.50	6.00	3.74E-005	8.80E-002	6.00	23.08	39.00	31.31	18.42	18.30	0.00	0.00	0.00	0.30	0.00	110.08	-0.03	0.00	0.00	0.00	0.76	1.12	60.17	0.11	14.81	N/A	N/A	N/A	N/A
10	0.10	2.62	4.57	6.00	2.69E-005	6.45E-002	6.00	23.51	38.00	31.36	18.76	19.00	0.00	0.00	0.00	0.30	0.00	111.09	-0.03	0.00	0.00	0.00	0.86	1.17	60.66	0.12	15.11	N/A	N/A	N/A	N/A
11	0.11	2.65	4.22	6.00	2.98E-005	7.09E-002	6.00	23.34	39.00	31.35	18.62	18.76	0.00	0.00	0.00	0.30	0.00	110.70	-0.03	0.00	0.00	0.00	0.95	1.16	60.54	0.12	15.02	N/A	N/A	N/A	N/A
12	0.12	2.57	4.22	6.00	2.66E-005	6.26E-002	6.00	23.10	38.00	31.24	18.43	18.55	0.00	0.00	0.00	0.30	0.00	110.13	-0.03	0.00	0.00	0.00	1.03	1.18	59.58	0.11	15.01	N/A	N/A	N/A	N/A
13	0.13	2.46	4.29	6.00	2.23E-005	5.20E-002	6.00	22.82	37.00	31.07	18.21	18.33	0.00	0.00	0.00	0.30	0.00	109.45	-0.02	0.00	0.00	0.00	1.12	1.20	58.14	0.10	15.01	N/A	N/A	N/A	N/A
14	0.14	2.33	4.57	6.00	1.73E-005	4.00E-002	6.00	22.63	36.00	30.85	18.05	18.23	0.00	0.00	0.00	0.30	0.00	108.98	-0.02	0.00	0.00	0.00	1.20	1.23	56.35	0.08	15.06	N/A	N/A	N/A	N/A
15	0.15	2.31	4.48	6.00	1.71E-005	3.91E-002	6.00	22.50	36.00	30.80	17.95	18.10	0.00	0.00	0.00	0.30	0.00	108.67	-0.02	0.00	0.00	0.00	1.29	1.23	55.94	0.08	15.03	N/A	N/A	N/A	N/A
16	0.16	2.25	3.85	6.00	1.74E-005	3.87E-002	6.00	21.83	36.00	30.61	17.42	17.35	0.00	0.00	0.00	0.30	0.00	107.05	-0.01	0.00	0.00	0.00	1.36	1.23	54.39	0.07	14.85	N/A	N/A	N/A	N/A
17	0.17	2.10	4.26	6.00	1.24E-005	2.74E-002	5.00	21.65	34.00	30.32	17.28	17.31	0.00	0.00	0.00	0.30	0.00	106.61	-0.01	0.00	0.00	0.00	1.44	1.26	52.12	0.06	14.94	N/A	N/A	N/A	N/A
18	0.18	2.03	4.07	6.00	1.14E-005	2.46E-002	5.00	21.27	34.00	30.13	16.97	16.93	0.00	0.00	0.00	0.30	0.00	105.67	0.00	0.00	0.00	0.00	1.51	1.27	50.72	0.06	14.87	N/A	N/A	N/A	N/A
19	0.19	1.93	4.13	6.00	9.28E-006	1.98E-002	5.00	20.97	33.00	30.00	16.74	16.69	0.00	0.00	0.00	0.30	0.00	104.93	0.00	0.00	0.00	0.00	1.59	1.29	48.99	0.05	14.87	N/A	N/A	N/A	N/A
20	0.20	1.86	6.15	6.00	5.45E-006	1.24E-002	5.00	22.25	32.00	30.00	17.76	18.24	0.00	0.00	0.00	0.30	0.00	108.09	0.00	0.00	0.00	0.00	1.68	1.36	49.66	0.05	15.32	N/A	N/A	N/A	N/A
21	0.21	1.80	5.58	6.00	5.32E-006	1.17E-002	5.00	21.63	32.00	30.00	17.26	17.58	0.00	0.00	0.00	0.30	0.00	106.55	0.00	0.00	0.00	0.00	1.76	1.36	48.19	0.05	15.19	N/A	N/A	N/A	N/A
22	0.22	1.70	6.09	5.00	3.86E-006	8.51E-003	5.00	21.64	31.00	30.00	17.27	17.68	0.00	0.00	0.00	0.30	0.00	106.59	0.01	0.00	0.00	0.00	1.85	1.42	47.44	0.04	15.27	N/A	N/A	N/A	N/A
23	0.23	1.60	6.72	5.00	2.70E-006	5.98E-003	5.00	21.72	30.00	30.00	17.33	17.85	0.00	0.00	0.00	0.30	0.00	106.78	0.01	0.00	0.00	0.00	1.94	1.50	47.30	0.04	15.36	N/A	N/A	N/A	N/A
24	0.24	1.48	8.77	5.00	1.40E-006	2.96E-003	5.00	20.66	29.00	30.08	18.04	18.92	0.00	0.00	0.00	0.30	0.00	108.95	0.00	0.00	0.00	0.00	2.04	1.73	50.32	0.05	15.64	N/A	N/A	N/A	N/A
25	0.25	1.44	7.85	5.00	1.45E-006	2.98E-003	5.00	20.10	28.00	30.00	17.44	18.13	0.00	0.00	0.00	0.30	0.00	107.12	0.00	0.00	0.00	0.00	2.12	1.71	48.54	0.05	15.50	N/A	N/A	N/A	N/A
26	0.26	1.40	9.11	5.00	1.06E-006	2.11E-003	5.00	19.54	28.00	30.19	17.95	18.85	0.00	0.00	0.00	0.30	0.00	108.67	0.00	0.00	0.00	0.00	2.23	1.86	51.14	0.06	15.66	N/A	N/A	N/A	N/A
27	0.27	1.34	10.53	5.00	7.20E-007	1.37E-003	4.00	18.69	27.00	30.63	18.42	19.53	0.00	0.00	0.00	0.30	0.00	110.08	-0.01	0.00	0.00	0.00	2.36	2.07	54.57	0.07	15.81	N/A	N/A	N/A	N/A
28	0.28	1.32	11.13	5.00	6.23E-007	1.17E-003	4.00	18.41	27.00	30.82	18.62	19.81	0.00	0.00	0.00	0.30	0.00	110.68	-0.02	0.00	0.00	0.00	2.48	2.16	56.11	0.08	15.87	N/A	N/A	N/A	N/A
29	0.29	1.31	12.04	5.00	5.37E-007	9.99E-004	5.00	18.27	27.00	31.09	18.98	20.31	0.00	0.00	0.00	0.30	0.00	111.75	-0.02	0.00	0.00	0.00	2.60	2.26	58.28	0.10	15.95	N/A	N/A	N/A	N/A
30	0.30	1.30	13.53	5.00	4.34E-007	8.02E-004	5.00	18.13	27.00	31.49	19.57	21.11	0.00	0.00	0.00	0.30	0.00	113.48	-0.03	0.00	0.00	0.00	2.74	2.42	61.80	0.13	16.08	N/A	N/A	N/A	N/A
31	0.31	1.30	14.85	5.00	3.74E-007	6.91E-004	5.00	18.12	27.00	31.81	20.10	21.83	0.00	0.00	0.00	0.30	0.00	115.00	-0.04	0.00	0.00	0.00	2.87	2.54	64.78	0.17	16.19	N/A	N/A	N/A	N/A
32	0.32	1.29	15.23	5.00	3.48E-007	6.37E-004	5.00	17.98	27.00	31.92	20.21	21.98	0.00	0.00	0.00	0.30	0.00	115.31	-0.04	0.00	0.00	0.00	2.99	2.60	65.82	0.18	16.22	N/A	N/A	N/A	N/A
33	0.33	1.29	16.05	5.00	3.19E-007	5.85E-004	5.00	17.98	27.00	32.11	20.52	22.41	0.00	0.00	0.00	0.30	0.00	116.20	-0.04	0.00	0.00	0.00	3.11	2.67	67.66	0.21	16.28	N/A	N/A	N/A	N/A
34	0.34	1.28	17.25	5.00	2.74E-007	4.98E-004	5.00	17.84	27.00	32.40	20.93	22.96	0.00	0.00	0.00	0.30	0.00	117.35	-0.05	0.00	0.00	0.00	3.25	2.81	70.54	0.27	16.36	N/A	N/A	N/A	N/A
35	0.35	1.28	17.69	5.00	2.63E-007	4.77E-004	5.00	17.83	27.00	32.49	21.09	23.18	0.00	0.00	0.00	0.30	0.00	117.79	-0.05	0.00	0.00	0.00	3.36	2.84	71.52	0.29	16.39	N/A	N/A	N/A	N/A
36	0.36	1.26	19.23	5.00	2.13E-007	3.81E-004	5.00	17.55	27.00	32.86	21.55	23.82	0.00	0.00	0.00	0.30	0.00	119.08	-0.06	0.00	0.00	0.00	3.52	3.05	75.37	0.40	16.48	N/A	N/A	N/A	N/A
37	0.37	1.25	19.36	5.00	2.04E-007	3.61E-004	5.00	17.41	26.00	32.90	21.55	23.83	0.00	0.00	0.00	0.30	0.00	119.09	-0.06	0.00	0.00	0.00	3.63	3.09	75.90	0.42	16.48	N/A	N/A	N/A	N/A
38	0.38	1.23	19.33	5.00	1.91E-007	3.33E-004	5.00	17.13	26.00	32.94	21.46	23.71	0.00	0.00	0.00	0.30	0.00	118.83	-0.06	0.00	0.00	0.00	3.74	3.16	76.32	0.43	16.47	N/A	N/A	N/A	N/A
39	0.39	1.21	19.58	4.00	1.74E-007	2.98E-004	5.00	16.84	0.00	0.00	0.00	23.73	15.00	80.21	13.50	0.30	7.12	118.83	0.00	1.00	4.30	0.00	80.21	3.26	77.39	0.47	16.48	N/A	N/A	N/A	N/A
40	0.40	1.14	20.49	4.00	1.25E-007	2.01E-004	4.00	15.86	0.00	0.00	0.00	23.77	15.00	75.53	12.37	0.30	6.71	118.84	0.00	1.00	3.87	0.00	75.53	3.64	81.31	0.58	16.51	N/A	N/A	N/A	N/A
41	0.41	1.09	20.65	4.00	1.01E-007	1.57E-004	4.00	15.16	0.00	0.00	0.00	23.56	15.00	72.19	11.51	0.30	6.41	118.35	0.00	1.00	3.67	0.00	72.19	3.89	83.12	0.58	16.50	N/A	N/A	N/A	N/A
42	0.42	0.98	21.09	4.00	6.21E-008	8.61E-005	4.00	13.62	0.00	0.00	0.00	23.11	15.00	64.84	10.07	0.30	5.76	117.27	0.00	1.00	3.23	0.00	64.84	4.56	87.53	0.58	16.49	N/A	N/A	N/A	N/A
43	0.43	0.92	21.22	4.00	4.68E-008	6.10E-005	4.00	12.77	0.00	0.00	0.00	22.79	15.00	60.83	9.21	0.30	5.40	116.52	0.00	1.00	3.01	0.00	60.83	4.99	89.79	0.58	16.47	N/A	N/A	N/A	N/A
44	0.44	0.85	20.97	4.00	3.40E-008	4.09E-005	4.00	11.79	0.00	0.00	0.00	22.23	15.00	56.15	8.30	0.30	4.99	115.22	0.00	1.00	2.81	0.00	56.15	5.51	91.53	0.58	16.43	N/A	N/A	N/A	N/A
45	0.45	0.82	20.75	4.00	2.97E-008	3.44E-005	4.00	11.37	0.00	0.00	0.00	21.93	15.00	54.14	7.81	0.30	4.81	114.54	0.00	1.00	2.74	0.00	54.14	5.74	92.01	0.58	16.40	N/A	N/A	N/A	N/A
46	0.46	0.81	20.27	4.00	2.94E-008	3.36E-005	4.00	11.23	0.00	0.00	0.00	21.66	15.00	53.46	7.54	0.30	4.75	113.94	0.00	1.00	2.77	0.00	53.46	5.76	91.19	0.58	16.37	N/A	N/A	N/A	N/A
47	0.47	0.80	19.33	4.00	3.02E-008	3.42E-005	4.00	11.08	0.00	0.00	0.00	21.20	15.00	52.78	7.27	0.30	4.69	112.91	0.00	1.00	2.87	0.00	52.78	5.71	89.23	0.58	16.31	N/A	N/A	N/A	N/A
48	0.48	0.81	19.01	4.00	3.28E-008	3.75E-005	4.00	11.22	0.00	0.00	0.00	21.13	15.00	53.44	7.20	0.30	4.75	112.78	0.00	1.00	2.95	0.00	53.44	5.57	88.11	0.58	16.29	N/A	N/A	N/A	N/A
49	0.49	0.82	18.70	4.00	3.56E-008	4.12E-005	4.00	11.36	0.00	0.00	0.00	21.06	15.00	54.09	7.13	0.30	4.80	112.65	0.00	1.00	3.04	0.00	54.09	5.43	87.01	0.58	16.28	N/A	N/A	N/A	N/A
50	0.50	0.84	18.04	4.00	4.19E-008	4.97E-005	4.00	11.64	0.00	0.00	0.00	20.90	15.00	55.41	7.16	0.30	4.92	112.33	0.00	1.00	3.23	0.00	55.41	5.16	84.69	0.58	16.25	N/A	N/A	N/A	N/A
51	0.51	0.87	17.69	4.00	5.03E-008	6.18E-005	4.00	12.05	0.00	0.00	0.00	20.93	15.00	57.40	7.26	0.30	5.10	112.45	0.00	1.00	3.41	0.00	57.40	4.87	82.83	0.58	16.24	N/A	N/A	N/A	N/A
52	0.52	0.93	17.18	4.00	7.03E-008	9.23E-005	4.00	12.89	0.00	0.00	0.00	21.07	15.00	61.39	7.61	0.30	5.45	112.84	0.00	1.00	3.75	0.00	61.39	4.38	79.65	0.57	16.23	N/A	N/A	N/A	N/A
53	0.53	0.98	17.03	4.00	8.91E-008	1.23E-004	4.00	13.59	0.00	0.00	0.00	21.29	15.00	64.72	7.86	0.30	5.75	113.39	0.00	1.00	3.99	0.00	64.72	4.06	77.76	0.48	16.24	N/A	N/A	N/A	N/A
54	0.54	1.03	16.68	4.00	1.14E-007	1.66E-004	4.00	14.29	0.00	0.00	0.00	21.40	15.00	68.04	8.11	0.30	6.04	113.71	0.00	1.00	4.28	0.00	68.04	3.74	75.44	0.40	16.24	N/A	N/A	N/A	N/A
55	0.55	1.06	17.18	4.00	1.22E-007	1.84E-004	4.00	14.71	0.00	0.00	0.00	21.80	15.00	70.03	8.18	0.30	6.22	114.61	0.00	1.00	4.28	0.00	70.03	3.66	75.83	0.41	16.28	N/A	N/A	N/A	N/A
56	0.56	1.07	17.53	4.00	1.23E-007	1.86E-004	4.00	14.84	0.00	0.00	0.00	22.02	15.00	70.69	8.11	0.30	6.28	115.09	0.00	1.00	4.23	0.00	70.69	3.65	76.41	0.43	16.31	N/A	N/A	N/A	N/A
57	0.57	1.09	17.75	4.00	1.30E-007	2.01E-004	4.00	15.12	0.00	0.00	0.00	22.23	15.00	72.01	8.11	0.30	6.40	115.57	0.00	1.00	4.26	0.00	72.01	3.58	76.39	0.43	16.33	N/A	N/A	N/A	N/A
58	0.58	1.11	18.04	4.00	1.37E-007	2.15E-004	4.00	15.40	0.00	0.00	0.00	22.47	15.00	73.33	8.11	0.30	6.51	116.10	0.00	1.00	4.27	0.00	73.33	3.53	76.55	0.44	16.35	N/A	N/A	N/A	N/A
59	0.59	1.13	18.29	4.00	1.44E-007	2.30E-004	4.00	15.68	0.00	0.00	0.00	22.70	15.00	74.66	8.11	0.30	6.63	116.60	0.00	1.00	4.29	0.00	74.66	3.47	76.60	0.44	16.38	N/A	N/A	N/A	N/A
60	0.60	1.11	18.92	4.00	1.26E-007	1.98E-004	4.00	15.40	0.00	0.00	0.00	22.88	15.00	73.31	7.82	0.30	6.51	116.96	0.00	1.00	4.07	0.00	73.31	3.62	78.63	0.52	16.41	N/A	N/A	N/A	N/A
61	0.61	1.10	19.33	4.00	1.17E-007	1.82E-004	4.00	15.25	0.00	0.00	0.00	23.01	15.00	72.63	7.61	0.30	6.45	117.22	0.00	1.00	3.95	0.00	72.63	3.71	79.87	0.58	16.43	N/A	N/A	N/A	N/A
62	0.62	1.08	20.08	4.00	1.01E-007	1.54E-004	4.00	14.97	0.00	0.00	0.00	23.24	15.00	71.29	7.35	0.30	6.33	117.66	0.00	1.00	3.73	0.00	71.29	3.89	82.20	0.58	16.47	N/A	N/A	N/A	N/A
63	0.63	1.08	20.27	4.00	9.94E-008	1.52E-004	4.00	14.97	0.00	0.00	0.00	23.32	15.00	71.28	7.22	0.30	6.33	117.83	0.00	1.00	3.69	0.00	71.28	3.92	82.65	0.58	16.48	N/A	N/A	N/A	N/A
64	0.64	1.07	20.56	4.00	9.31E-008	1.41E-004	4.00	14.83	0.00	0.00	0.00	23.39	15.00	70.60	7.04	0.30	6.27	117.96	0.00	1.00	3.61	0.00	70.60	4.00	83.62	0.58	16.49	N/A	N/A	N/A	N/A
65	0.65	1.06	21.00	4.00	8.61E-008	1.29E-004	4.00	14.68	0.00	0.00	0.00	23.53	15.00	69.92	6.86	0.30	6.21	118.23	0.00	1.00	3.50	0.00	69.92	4.10	84.94	0.58	16.51	N/A	N/A	N/A	N/A
66	0.66	1.03	21.57	4.00	7.26E-008	1.05E-004	4.00	14.26	0.00	0.00	0.00	23.60	15.00	67.91	6.55	0.30	6.03	118.33	0.00	1.00	3.31	0.00	67.91	4.34	87.19	0.58	16.53	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
67	0.67	1.00	21.82	4.00	6.26E-008	8.83E-005	4.00	13.84	0.00	0.00	0.00	23.52	15.00	65.90	6.26	0.30	5.85	118.13	0.00	1.00	3.17	0.00	65.90	4.55	88.72	0.58	16.53	N/A	N/A	N/A	N/A
68	0.68	0.96	22.64	4.00	4.91E-008	6.65E-005	4.00	13.28	0.00	0.00	0.00	23.61	15.00	63.22	5.91	0.30	5.62	118.26	0.00	1.00	2.93	0.00	63.22	4.91	91.91	0.58	16.56	N/A	N/A	N/A	N/A
69	0.69	0.92	22.70	4.00	4.07E-008	5.27E-005	4.00	12.71	0.00	0.00	0.00	23.38	15.00	60.54	5.57	0.30	5.38	117.72	0.00	1.00	2.80	0.00	60.54	5.21	93.38	0.58	16.55	N/A	N/A	N/A	N/A
70	0.70	0.87	22.13	4.00	3.35E-008	4.10E-005	4.00	12.01	0.00	0.00	0.00	22.81	15.00	57.19	5.19	0.30	5.08	116.47	0.00	1.00	2.71	0.00	57.19	5.54	93.74	0.58	16.50	N/A	N/A	N/A	N/A
71	0.71	0.83	21.85	4.00	2.79E-008	3.26E-005	4.00	11.45	0.00	0.00	0.00	22.42	15.00	54.51	4.87	0.30	4.84	115.59	0.00	1.00	2.62	0.00	54.51	5.85	94.43	0.58	16.46	N/A	N/A	N/A	N/A
72	0.72	0.81	21.85	4.00	2.51E-008	2.86E-005	4.00	11.17	0.00	0.00	0.00	22.28	15.00	53.17	4.68	0.30	4.72	115.25	0.00	1.00	2.56	0.00	53.17	6.04	95.11	0.58	16.45	N/A	N/A	N/A	N/A
73	0.73	0.77	21.66	4.00	2.05E-008	2.21E-005	4.00	10.60	0.00	0.00	0.00	21.91	15.00	50.49	4.38	0.30	4.48	114.40	0.00	1.00	2.45	0.00	50.49	6.42	96.02	0.58	16.42	N/A	N/A	N/A	N/A
74	0.74	0.76	21.28	4.00	2.00E-008	2.13E-005	4.00	10.46	0.00	0.00	0.00	21.69	15.00	49.81	4.26	0.30	4.42	113.90	0.00	1.00	2.46	0.00	49.81	6.47	95.46	0.58	16.40	N/A	N/A	N/A	N/A
75	0.75	0.76	21.09	4.00	2.03E-008	2.16E-005	4.00	10.46	0.00	0.00	0.00	21.61	15.00	49.80	4.20	0.30	4.42	113.73	0.00	1.00	2.48	0.00	49.80	6.44	95.01	0.58	16.39	N/A	N/A	N/A	N/A
76	0.76	0.76	20.53	4.00	2.12E-008	2.26E-005	4.00	10.46	0.00	0.00	0.00	21.38	15.00	49.79	4.15	0.30	4.42	113.23	0.00	1.00	2.55	0.00	49.79	6.35	93.67	0.58	16.36	N/A	N/A	N/A	N/A
77	0.77	0.77	20.24	4.00	2.30E-008	2.49E-005	4.00	10.59	0.00	0.00	0.00	21.33	15.00	50.45	4.14	0.30	4.48	113.15	0.00	1.00	2.62	0.00	50.45	6.20	92.63	0.58	16.35	N/A	N/A	N/A	N/A
78	0.78	0.79	19.58	4.00	2.72E-008	3.02E-005	4.00	10.87	0.00	0.00	0.00	21.20	15.00	51.77	4.20	0.30	4.60	112.89	0.00	1.00	2.78	0.00	51.77	5.89	90.35	0.58	16.32	N/A	N/A	N/A	N/A
79	0.79	0.79	19.52	4.00	2.74E-008	3.03E-005	4.00	10.87	0.00	0.00	0.00	21.17	15.00	51.76	4.14	0.30	4.60	112.83	0.00	1.00	2.78	0.00	51.76	5.89	90.21	0.58	16.32	N/A	N/A	N/A	N/A
80	0.80	0.79	19.36	4.00	2.77E-008	3.07E-005	4.00	10.87	0.00	0.00	0.00	21.10	15.00	51.75	4.09	0.30	4.60	112.68	0.00	1.00	2.81	0.00	51.75	5.86	89.82	0.58	16.31	N/A	N/A	N/A	N/A
81	0.81	0.79	18.32	4.00	3.05E-008	3.38E-005	4.00	10.86	0.00	0.00	0.00	20.66	15.00	51.74	4.03	0.30	4.60	111.70	0.00	1.00	2.97	0.00	51.74	5.69	87.22	0.58	16.24	N/A	N/A	N/A	N/A
82	0.82	0.80	17.78	4.00	3.39E-008	3.80E-005	4.00	11.00	0.00	0.00	0.00	20.49	15.00	52.39	4.03	0.30	4.65	111.34	0.00	1.00	3.09	0.00	52.39	5.51	85.52	0.58	16.21	N/A	N/A	N/A	N/A
83	0.83	0.80	17.78	4.00	3.39E-008	3.80E-005	4.00	11.00	0.00	0.00	0.00	20.49	15.00	52.38	3.98	0.30	4.65	111.34	0.00	1.00	3.09	0.00	52.38	5.51	85.52	0.58	16.21	N/A	N/A	N/A	N/A
84	0.84	0.80	17.78	4.00	3.38E-008	3.79E-005	4.00	11.00	0.00	0.00	0.00	20.49	15.00	52.37	3.93	0.30	4.65	111.34	0.00	1.00	3.09	0.00	52.37	5.52	85.53	0.58	16.21	N/A	N/A	N/A	N/A
85	0.85	0.82	16.52	4.00	4.25E-008	4.88E-005	4.00	11.27	0.00	0.00	0.00	20.04	15.00	53.65	3.98	0.30	4.77	110.39	0.00	1.00	3.41	0.00	53.65	5.14	81.63	0.58	16.14	N/A	N/A	N/A	N/A
86	0.86	0.82	16.52	4.00	4.25E-008	4.88E-005	4.00	11.26	0.00	0.00	0.00	20.04	15.00	53.64	3.93	0.30	4.76	110.38	0.00	1.00	3.41	0.00	53.64	5.14	81.64	0.58	16.14	N/A	N/A	N/A	N/A
87	0.87	0.82	16.52	4.00	4.24E-008	4.87E-005	4.00	11.26	0.00	0.00	0.00	20.04	15.00	53.63	3.89	0.30	4.76	110.38	0.00	1.00	3.41	0.00	53.63	5.14	81.64	0.58	16.14	N/A	N/A	N/A	N/A
88	0.88	0.84	15.54	4.00	5.23E-008	6.16E-005	4.00	11.55	0.00	0.00	0.00	19.71	15.00	54.99	3.94	0.30	4.88	109.68	0.00	1.00	3.72	0.00	54.99	4.81	78.39	0.51	16.08	N/A	N/A	N/A	N/A
89	0.89	0.88	15.26	4.00	6.58E-008	8.11E-005	4.00	12.11	0.00	0.00	0.00	19.82	15.00	57.64	4.08	0.30	5.12	109.99	0.00	1.00	3.97	0.00	57.64	4.48	76.39	0.43	16.07	N/A	N/A	N/A	N/A
90	0.90	0.94	14.63	4.00	9.34E-008	1.23E-004	4.00	12.94	0.00	0.00	0.00	19.86	15.00	61.63	4.32	0.30	5.47	110.18	0.00	1.00	4.42	0.00	61.63	4.00	72.91	0.32	16.05	N/A	N/A	N/A	N/A
91	0.91	0.96	14.66	4.00	1.02E-007	1.37E-004	4.00	13.22	0.00	0.00	0.00	19.99	15.00	62.96	4.36	0.30	5.59	110.50	0.00	1.00	4.51	0.00	62.96	3.89	72.42	0.31	16.06	N/A	N/A	N/A	N/A
92	0.92	1.01	15.04	4.00	1.21E-007	1.72E-004	4.00	13.92	0.00	0.00	0.00	20.45	15.00	66.28	4.54	0.30	5.89	111.60	0.00	1.00	4.63	0.00	66.28	3.67	72.01	0.30	16.11	N/A	N/A	N/A	N/A
93	0.93	1.04	15.29	4.00	1.34E-007	1.95E-004	4.00	14.34	0.00	0.00	0.00	20.74	15.00	68.27	4.63	0.30	6.06	112.28	0.00	1.00	4.69	0.00	68.27	3.55	71.84	0.30	16.14	N/A	N/A	N/A	N/A
94	0.94	1.07	15.92	4.00	1.41E-007	2.12E-004	4.00	14.75	0.00	0.00	0.00	21.21	15.00	70.26	4.71	0.30	6.24	113.34	0.00	1.00	4.63	0.00	70.26	3.49	72.63	0.32	16.20	N/A	N/A	N/A	N/A
95	0.95	1.17	16.74	5.00	1.90E-007	3.13E-004	4.00	16.15	26.00	32.55	20.26	22.13	0.00	0.00	0.00	0.30	0.00	115.44	-0.05	0.00	0.00	0.00	9.63	3.17	72.08	0.30	16.29	N/A	N/A	N/A	N/A
96	0.96	1.23	17.28	5.00	2.23E-007	3.86E-004	5.00	16.99	26.00	32.53	20.70	22.69	0.00	0.00	0.00	0.30	0.00	116.70	-0.05	0.00	0.00	0.00	9.73	3.00	71.93	0.30	16.34	N/A	N/A	N/A	N/A
97	0.97	1.42	18.95	5.00	3.52E-007	7.05E-004	5.00	19.65	28.00	32.51	22.04	24.39	0.00	0.00	0.00	0.30	0.00	120.41	-0.05	0.00	0.00	0.00	9.82	2.59	71.64	0.29	16.51	N/A	N/A	N/A	N/A
98	0.98	1.53	19.83	5.00	4.48E-007	9.67E-004	5.00	21.19	29.00	32.49	22.75	25.30	0.00	0.00	0.00	0.30	0.00	122.33	-0.05	0.00	0.00	0.00	9.92	2.39	71.52	0.29	16.59	N/A	N/A	N/A	N/A
99	0.99	1.59	20.65	5.00	4.92E-007	1.11E-003	6.00	22.02	30.00	32.56	23.24	25.95	0.00	0.00	0.00	0.30	0.00	123.66	-0.05	0.00	0.00	0.00	10.05	2.32	72.17	0.30	16.65	N/A	N/A	N/A	N/A
100	1.00	1.67	23.08	5.00	5.01E-007	1.18E-003	6.00	23.14	31.00	32.86	24.34	27.42	0.00	0.00	0.00	0.30	0.00	126.56	-0.06	0.00	0.00	0.00	10.28	2.31	75.41	0.40	16.80	N/A	N/A	N/A	N/A
101	1.01	1.68	24.78	5.00	4.54E-007	1.08E-003	6.00	23.28	31.00	33.11	24.93	28.23	0.00	0.00	0.00	0.30	0.00	128.08	-0.06	0.00	0.00	0.00	10.49	2.38	78.26	0.51	16.88	N/A	N/A	N/A	N/A
102	1.02	1.70	25.82	5.00	4.44E-007	1.07E-003	6.00	23.56	31.00	33.24	25.33	28.77	0.00	0.00	0.00	0.30	0.00	129.11	-0.07	0.00	0.00	0.00	10.65	2.40	79.75	0.57	16.93	N/A	N/A	N/A	N/A
103	1.03	1.54	34.02	4.00	1.75E-007	3.80E-004	6.00	21.32	0.00	0.00	0.00	31.31	15.00	101.52	6.18	0.30	9.02	133.60	0.00	1.00	3.13	0.00	101.52	3.25	97.71	0.58	17.21	N/A	N/A	N/A	N/A
104	1.04	1.44	38.43	4.00	1.04E-007	2.11E-004	6.00	19.92	0.00	0.00	0.00	32.37	15.00	94.84	5.71	0.30	8.42	135.38	0.00	1.00	2.59	0.00	94.84	3.86	108.41	0.58	17.32	N/A	N/A	N/A	N/A
105	1.05	1.28	39.95	4.00	5.78E-008	1.04E-004	5.00	17.67	0.00	0.00	0.00	31.94	15.00	84.16	5.02	0.30	7.48	134.48	0.00	1.00	2.21	0.00	84.16	4.67	116.25	0.58	17.32	N/A	N/A	N/A	N/A
106	1.06	1.22	39.10	4.00	4.89E-008	8.38E-005	5.00	16.83	0.00	0.00	0.00	31.27	15.00	80.15	4.73	0.30	7.12	133.24	0.00	1.00	2.15	0.00	80.15	4.92	116.74	0.58	17.28	N/A	N/A	N/A	N/A
107	1.07	1.18	38.37	4.00	4.38E-008	7.27E-005	5.00	16.27	0.00	0.00	0.00	30.77	15.00	77.47	4.53	0.30	6.88	132.29	0.00	1.00	2.12	0.00	77.47	5.09	116.77	0.58	17.25	N/A	N/A	N/A	N/A
108	1.08	1.10	37.68	4.00	3.34E-008	5.16E-005	5.00	15.15	0.00	0.00	0.00	30.00	15.00	72.13	4.17	0.30	6.41	130.81	0.00	1.00	2.01	0.00	72.13	5.54	118.26	0.58	17.20	N/A	N/A	N/A	N/A
109	1.09	1.07	37.39	4.00	3.00E-008	4.51E-005	5.00	14.72	0.00	0.00	0.00	29.69	15.00	70.11	4.02	0.30	6.23	130.22	0.00	1.00	1.97	0.00	70.11	5.72	118.76	0.58	17.18	N/A	N/A	N/A	N/A
110	1.10	1.01	36.51	3.00	2.44E-008	3.46E-005	5.00	13.88	0.00	0.00	0.00	28.97	15.00	66.10	3.75	0.30	5.87	128.82	0.00	1.00	1.90	0.00	66.10	6.09	119.20	0.58	17.13	N/A	N/A	N/A	N/A
111	1.11	0.98	35.00	3.00	2.32E-008	3.19E-005	5.00	13.46	0.00	0.00	0.00	28.25	15.00	64.09	3.60	0.30	5.69	127.43	0.00	1.00	1.92	0.00	64.09	6.18	117.36	0.58	17.07	N/A	N/A	N/A	N/A
112	1.12	0.97	33.99	3.00	2.35E-008	3.19E-005	4.00	13.32	0.00	0.00	0.00	27.84	15.00	63.41	3.53	0.30	5.63	126.63	0.00	1.00	1.96	0.00	63.41	6.17	115.75	0.58	17.03	N/A	N/A	N/A	N/A
113	1.13	0.96	32.76	3.00	2.41E-008	3.23E-005	4.00	13.17	0.00	0.00	0.00	27.35	15.00	62.73	3.46	0.30	5.57	125.68	0.00	1.00	2.01	0.00	62.73	6.12	113.68	0.58	16.99	N/A	N/A	N/A	N/A
114	1.14	0.93	29.57	4.00	2.54E-008	3.30E-005	4.00	12.75	0.00	0.00	0.00	26.01	15.00	60.72	3.32	0.30	5.39	123.04	0.00	1.00	2.16	0.00	60.72	6.02	108.26	0.58	16.86	N/A	N/A	N/A	N/A
115	1.15	0.92	27.84	4.00	2.71E-008	3.48E-005	4.00	12.61	0.00	0.00	0.00	25.31	15.00	60.04	3.25	0.30	5.33	121.64	0.00	1.00	2.26	0.00	60.04	5.91	104.98	0.58	16.78	N/A	N/A	N/A	N/A
116	1.16	0.89	23.65	4.00	3.16E-008	3.92E-005	4.00	12.19	0.00	0.00	0.00	23.51	15.00	58.03	3.11	0.30	5.15	117.93	0.00	1.00	2.58	0.00	58.03	5.63	96.81	0.58	16.58	N/A	N/A	N/A	N/A
117	1.17	0.88	18.95	4.00	4.45E-008	5.46E-005	4.00	12.04	0.00	0.00	0.00	21.49	15.00	57.35	3.05	0.30	5.09	113.66	0.00	1.00	3.18	0.00	57.35	5.07	86.02	0.58	16.32	N/A	N/A	N/A	N/A
118	1.18	0.87	15.07	4.00	6.25E-008	7.59E-005	4.00	11.90	0.00	0.00	0.00	19.65	15.00	56.68	2.99	0.30	5.03	109.57	0.00	1.00	3.95	0.00	56.68	4.55	76.33	0.43	16.05	N/A	N/A	N/A	N/A
119	1.19	0.85	12.11	4.00	8.07E-008	9.56E-005	3.00	11.62	0.00	0.00	0.00	18.02	15.00	55.33	2.89	0.30	4.91	105.79	0.00	1.00	4.80	0.00	55.33	4.19	68.64	0.23	15.79	N/A	N/A	N/A	N/A
120	1.20	0.84	11.67	4.00	8.13E-008	9.51E-005	3.00	11.48	0.00	0.00	0.00	17.72	15.00	54.65	2.83	0.30	4.85	105.07	0.00	1.00	4.92	0.00	54.65	4.18	67.65	0.21	15.75	N/A	N/A	N/A	N/A
121	1.21	0.82	11.13	4.00	7.89E-008	9.00E-005	3.00	11.19	0.00	0.00	0.00	17.31	15.00	53.31	2.74	0.30	4.73	104.05	0.00	1.00	5.03	0.00	53.31	4.22	66.62	0.19	15.68	N/A	N/A	N/A	N/A
122	1.22	0.81	11.07	4.00	7.54E-008	8.50E-005	3.00	11.05	0.00	0.00	0.00	17.21	15.00	52.63	2.69	0.30	4.67	103.80	0.00	1.00	4.99	0.00	52.63	4.28	66.73	0.19	15.67	N/A	N/A	N/A	N/A
123	1.23	0.81	11.13	4.00	7.47E-008	8.42E-005	3.00	11.05	0.00	0.00	0.00	17.25	15.00	52.62	2.66	0.30	4.67	103.88	0.00	1.00	4.96	0.00	52.62	4.30	66.92	0.20	15.68	N/A	N/A	N/A	N/A
124	1.24	0.79	11.29	4.00	6.56E-008	7.20E-005	3.00	10.77	0.00	0.00	0.00	17.22	15.00	51.28	2.58	0.30	4.55	103.76	0.00	1.00	4.77	0.00	51.28	4.48	68.00	0.22	15.69	N/A	N/A	N/A	N/A
125	1.25	0.79	11.51	4.00	6.36E-008	6.98E-005	3.00	10.77	0.00	0.00	0.00	17.33	15.00	51.26	2.55	0.30	4.55	104.05	0.00	1.00	4.68	0.00	51.26	4.52	68.67	0.23	15.71	N/A	N/A	N/A	N/A
126	1.26	0.78	11.63	4.00	5.92E-008	6.41E-005	3.00	10.62	0.00	0.00	0.00	17.34	15.00	50.59	2.50	0.30	4.49	104.03	0.00	1.00	4.57	0.00	50.59	4.63	69.34	0.24	15.71	N/A	N/A	N/A	N/A
127	1.27	0.77	11.86	4.00	5.42E-008	5.79E-005	3.00	10.48	0.00	0.00	0.00	17.40	15.00	49.91	2.45	0.30	4.43	104.16	0.00	1.00	4.42	0.00	49.91	4.76	70.35	0.26	15.73	N/A	N/A	N/A	N/A
128	1.28	0.77	12.01	4.00	5.31E-008	5.67E-005	3.00	10.48	0.00	0.00	0.00	17.48	15.00	49.90	2.43	0.30	4.43	104.34	0.00	1.00	4.36	0.00	49.90	4.79	70.80	0.27	15.75	N/A	N/A	N/A	N/A
129	1.29	0.79	11.98	4.00	5.95E-008	6.52E-005	3.00	10.76	0.00	0.00	0.00	17.58	15.00	51.22	2.47	0.30	4.55	104.64	0.00	1.00	4.49	0.00	51.22	4.62	70.10	0.26	15.75	N/A	N/A	N/A	N/A
130	1.30	0.79	12.04	4.00	5.89E-008	6.46E-005	3.00	10.75	0.00	0.00	0.00	17.61	15.00	51.21	2.46	0.30	4.55	104.71	0.00	1.00	4.47	0.00	51.21	4.64	70.29	0.26	15.76	N/A	N/A	N/A	N/A
131	1.31	0.80	11.92	4.00	6.32E-008	7.01E-005	3.00	10.89	0.00	0.00	0.00	17.61	15.00	51.87	2.47	0.30	4.61	104.72	0.00	1.00	4.57	0.00	51.87	4.53	69.63	0.25	15.75	N/A	N/A	N/A	N/A
132	1.32	0.81	11.92	4.00	6.66E-008	7.48E-005	3.00	11.03	0.00	0.00	0.00	17.67	15.00	52.52	2.48	0.30	4.67	104.88	0.00	1.00	4.63	0.00	52.52	4.46	69.33	0.24	15.76	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
133	1.33	0.82	11.92	4.00	7.01E-008	7.98E-005	3.00	11.17	0.00	0.00	0.00	17.73	15.00	53.18	2.49	0.30	4.72	105.04	0.00	1.00	4.68	0.00	53.18	4.38	69.04	0.24	15.76	N/A	N/A	N/A	N/A
134	1.34	0.83	12.17	4.00	7.14E-008	8.23E-005	3.00	11.31	0.00	0.00	0.00	17.92	15.00	53.84	2.51	0.30	4.78	105.51	0.00	1.00	4.64	0.00	53.84	4.36	69.48	0.24	15.79	N/A	N/A	N/A	N/A
135	1.35	0.84	12.23	4.00	7.45E-008	8.69E-005	3.00	11.44	0.00	0.00	0.00	18.01	15.00	54.49	2.52	0.30	4.84	105.74	0.00	1.00	4.68	0.00	54.49	4.30	69.37	0.24	15.80	N/A	N/A	N/A	N/A
136	1.36	0.85	12.01	4.00	8.07E-008	9.52E-005	3.00	11.58	0.00	0.00	0.00	17.95	15.00	55.15	2.53	0.30	4.90	105.62	0.00	1.00	4.82	0.00	55.15	4.19	68.43	0.22	15.78	N/A	N/A	N/A	N/A
137	1.37	0.85	11.86	4.00	8.22E-008	9.70E-005	3.00	11.58	0.00	0.00	0.00	17.87	15.00	55.14	2.51	0.30	4.90	105.43	0.00	1.00	4.88	0.00	55.14	4.17	68.00	0.22	15.77	N/A	N/A	N/A	N/A
138	1.38	0.88	11.54	4.00	9.95E-008	1.22E-004	4.00	12.00	0.00	0.00	0.00	17.86	15.00	57.13	2.58	0.30	5.07	105.47	0.00	1.00	5.20	0.00	57.13	3.91	66.20	0.19	15.75	N/A	N/A	N/A	N/A
139	1.39	0.89	11.35	4.00	1.07E-007	1.33E-004	4.00	12.13	0.00	0.00	0.00	17.81	15.00	57.78	2.59	0.30	5.13	105.37	0.00	1.00	5.35	0.00	57.78	3.82	65.37	0.17	15.74	N/A	N/A	N/A	N/A
140	1.40	0.90	11.10	4.00	1.16E-007	1.45E-004	4.00	12.27	0.00	0.00	0.00	17.73	15.00	58.44	2.61	0.30	5.19	105.19	0.00	1.00	5.53	0.00	58.44	3.72	64.37	0.16	15.72	N/A	N/A	N/A	N/A
141	1.41	0.91	10.94	4.00	1.25E-007	1.58E-004	4.00	12.41	0.00	0.00	0.00	17.69	15.00	59.10	2.62	0.30	5.25	105.12	0.00	1.00	5.67	0.00	59.10	3.64	63.63	0.15	15.70	N/A	N/A	N/A	N/A
142	1.42	0.93	10.56	4.00	1.44E-007	1.86E-004	4.00	12.69	0.00	0.00	0.00	17.58	15.00	60.42	2.66	0.30	5.37	104.89	0.00	1.00	6.01	0.00	60.42	3.47	62.00	0.13	15.67	N/A	N/A	N/A	N/A
143	1.43	0.95	10.47	5.00	1.60E-007	2.11E-004	4.00	12.97	23.00	31.43	16.77	17.63	0.00	0.00	0.00	0.30	0.00	105.05	-0.03	0.00	0.00	0.00	13.99	3.35	61.24	0.12	15.67	N/A	N/A	N/A	N/A
144	1.44	0.95	10.37	5.00	1.62E-007	2.14E-004	4.00	12.96	23.00	31.39	16.73	17.57	0.00	0.00	0.00	0.30	0.00	104.91	-0.03	0.00	0.00	0.00	14.07	3.33	60.95	0.12	15.66	N/A	N/A	N/A	N/A
145	1.45	0.95	10.34	5.00	1.63E-007	2.15E-004	4.00	12.96	23.00	31.38	16.71	17.55	0.00	0.00	0.00	0.30	0.00	104.87	-0.03	0.00	0.00	0.00	14.16	3.33	60.87	0.12	15.65	N/A	N/A	N/A	N/A
146	1.46	0.95	10.28	5.00	1.64E-007	2.17E-004	4.00	12.96	23.00	31.37	16.69	17.51	0.00	0.00	0.00	0.30	0.00	104.78	-0.03	0.00	0.00	0.00	14.25	3.32	60.70	0.12	15.65	N/A	N/A	N/A	N/A
147	1.47	0.93	10.15	4.00	1.53E-007	1.97E-004	4.00	12.68	0.00	0.00	0.00	17.33	15.00	60.37	2.57	0.30	5.36	104.31	0.00	1.00	6.24	0.00	60.37	3.40	60.80	0.12	15.63	N/A	N/A	N/A	N/A
148	1.48	0.95	10.12	5.00	1.68E-007	2.21E-004	4.00	12.95	23.00	31.31	16.61	17.42	0.00	0.00	0.00	0.30	0.00	104.55	-0.03	0.00	0.00	0.00	14.41	3.30	60.23	0.12	15.63	N/A	N/A	N/A	N/A
149	1.49	0.98	9.90	5.00	1.98E-007	2.69E-004	4.00	13.37	23.00	31.16	16.65	17.44	0.00	0.00	0.00	0.30	0.00	104.66	-0.02	0.00	0.00	0.00	14.41	3.12	58.89	0.10	15.62	N/A	N/A	N/A	N/A
150	1.50	0.99	9.93	5.00	2.05E-007	2.83E-004	4.00	13.51	23.00	31.14	16.70	17.50	0.00	0.00	0.00	0.30	0.00	104.84	-0.02	0.00	0.00	0.00	14.50	3.08	58.76	0.10	15.62	N/A	N/A	N/A	N/A
151	1.51	1.01	10.15	5.00	2.16E-007	3.04E-004	4.00	13.79	24.00	31.16	16.89	17.74	0.00	0.00	0.00	0.30	0.00	105.42	-0.02	0.00	0.00	0.00	14.61	3.03	58.95	0.10	15.66	N/A	N/A	N/A	N/A
152	1.52	1.01	10.34	5.00	2.10E-007	2.95E-004	4.00	13.79	24.00	31.23	16.97	17.85	0.00	0.00	0.00	0.30	0.00	105.68	-0.03	0.00	0.00	0.00	14.74	3.06	59.50	0.11	15.68	N/A	N/A	N/A	N/A
153	1.53	1.03	10.85	5.00	2.12E-007	3.04E-004	4.00	14.06	24.00	31.34	17.28	18.25	0.00	0.00	0.00	0.30	0.00	106.64	-0.03	0.00	0.00	0.00	14.90	3.05	60.50	0.12	15.74	N/A	N/A	N/A	N/A
154	1.54	1.04	11.26	5.00	2.09E-007	3.02E-004	4.00	14.20	24.00	31.45	17.50	18.54	0.00	0.00	0.00	0.30	0.00	107.32	-0.03	0.00	0.00	0.00	15.06	3.07	61.42	0.13	15.79	N/A	N/A	N/A	N/A
155	1.55	1.04	11.76	5.00	1.95E-007	2.82E-004	4.00	14.20	24.00	31.60	17.72	18.82	0.00	0.00	0.00	0.30	0.00	107.97	-0.03	0.00	0.00	0.00	15.25	3.14	62.79	0.14	15.84	N/A	N/A	N/A	N/A
156	1.56	1.04	12.49	5.00	1.78E-007	2.57E-004	4.00	14.20	24.00	31.81	18.02	19.23	0.00	0.00	0.00	0.30	0.00	108.89	-0.04	0.00	0.00	0.00	15.47	3.24	64.77	0.17	15.91	N/A	N/A	N/A	N/A
157	1.57	1.04	12.45	5.00	1.78E-007	2.58E-004	4.00	14.20	24.00	31.80	18.00	19.20	0.00	0.00	0.00	0.30	0.00	108.84	-0.04	0.00	0.00	0.00	15.56	3.23	64.67	0.16	15.90	N/A	N/A	N/A	N/A
158	1.58	1.05	12.55	5.00	1.83E-007	2.68E-004	4.00	14.33	24.00	31.80	18.09	19.31	0.00	0.00	0.00	0.30	0.00	109.09	-0.04	0.00	0.00	0.00	15.67	3.20	64.70	0.17	15.92	N/A	N/A	N/A	N/A
159	1.59	1.06	12.61	5.00	1.89E-007	2.79E-004	4.00	14.47	24.00	31.80	18.15	19.39	0.00	0.00	0.00	0.30	0.00	109.29	-0.04	0.00	0.00	0.00	15.76	3.17	64.63	0.16	15.93	N/A	N/A	N/A	N/A
160	1.60	1.09	12.96	5.00	2.04E-007	3.10E-004	4.00	14.89	24.00	31.82	18.42	19.73	0.00	0.00	0.00	0.30	0.00	110.10	-0.04	0.00	0.00	0.00	15.87	3.09	64.85	0.17	15.97	N/A	N/A	N/A	N/A
161	1.61	1.10	13.02	5.00	2.11E-007	3.23E-004	4.00	15.03	25.00	31.81	18.49	19.81	0.00	0.00	0.00	0.30	0.00	110.30	-0.04	0.00	0.00	0.00	15.97	3.06	64.78	0.17	15.98	N/A	N/A	N/A	N/A
162	1.62	1.11	13.49	5.00	2.07E-007	3.20E-004	4.00	15.16	25.00	31.92	18.72	20.12	0.00	0.00	0.00	0.30	0.00	110.98	-0.04	0.00	0.00	0.00	16.13	3.08	65.77	0.18	16.02	N/A	N/A	N/A	N/A
163	1.63	1.14	14.76	5.00	2.01E-007	3.19E-004	4.00	15.58	25.00	32.17	19.34	20.93	0.00	0.00	0.00	0.30	0.00	112.82	-0.05	0.00	0.00	0.00	16.40	3.11	68.27	0.22	16.13	N/A	N/A	N/A	N/A
164	1.64	1.21	14.85	5.00	2.56E-007	4.33E-004	4.00	16.56	26.00	32.04	19.67	21.32	0.00	0.00	0.00	0.30	0.00	113.75	-0.04	0.00	0.00	0.00	16.41	2.87	66.93	0.20	16.16	N/A	N/A	N/A	N/A
165	1.65	1.40	14.63	5.00	4.90E-007	9.60E-004	5.00	19.22	28.00	31.63	20.30	22.06	0.00	0.00	0.00	0.30	0.00	115.57	-0.03	0.00	0.00	0.00	16.25	2.33	63.08	0.14	16.20	N/A	N/A	N/A	N/A
166	1.66	1.51	14.57	5.00	6.80E-007	1.44E-003	5.00	20.76	29.00	31.47	20.66	22.49	0.00	0.00	0.00	0.30	0.00	116.60	-0.03	0.00	0.00	0.00	16.25	2.11	61.63	0.13	16.23	N/A	N/A	N/A	N/A
167	1.67	1.65	14.85	5.00	9.62E-007	2.23E-003	5.00	22.72	30.00	31.41	21.24	23.19	0.00	0.00	0.00	0.30	0.00	118.21	-0.03	0.00	0.00	0.00	16.31	1.91	61.06	0.12	16.28	N/A	N/A	N/A	N/A
168	1.68	1.90	15.76	5.00	1.59E-006	4.25E-003	6.00	26.21	32.00	31.50	22.37	24.62	0.00	0.00	0.00	0.30	0.00	121.32	-0.03	0.00	0.00	0.00	16.47	1.68	61.94	0.13	16.41	N/A	N/A	N/A	N/A
169	1.69	1.97	16.46	5.00	1.73E-006	4.80E-003	6.00	27.19	33.00	31.62	22.85	25.24	0.00	0.00	0.00	0.30	0.00	122.62	-0.03	0.00	0.00	0.00	16.65	1.64	63.01	0.14	16.47	N/A	N/A	N/A	N/A
170	1.70	1.95	17.53	5.00	1.50E-006	4.11E-003	6.00	26.91	33.00	31.78	23.21	25.75	0.00	0.00	0.00	0.30	0.00	123.59	-0.04	0.00	0.00	0.00	16.86	1.70	64.48	0.16	16.54	N/A	N/A	N/A	N/A
171	1.71	1.91	18.51	5.00	1.26E-006	3.38E-003	6.00	26.35	33.00	31.94	23.47	26.12	0.00	0.00	0.00	0.30	0.00	124.26	-0.04	0.00	0.00	0.00	17.06	1.78	65.96	0.18	16.59	N/A	N/A	N/A	N/A
172	1.72	1.78	21.09	5.00	7.48E-007	1.87E-003	6.00	24.52	31.00	32.42	24.00	26.90	0.00	0.00	0.00	0.30	0.00	125.65	-0.05	0.00	0.00	0.00	17.49	2.05	70.80	0.27	16.72	N/A	N/A	N/A	N/A
173	1.73	1.73	21.76	5.00	6.27E-007	1.52E-003	6.00	23.82	31.00	32.58	24.06	27.02	0.00	0.00	0.00	0.30	0.00	125.83	-0.05	0.00	0.00	0.00	17.71	2.16	72.47	0.31	16.74	N/A	N/A	N/A	N/A
174	1.74	1.63	22.64	5.00	4.53E-007	1.04E-003	6.00	22.42	30.00	32.86	24.02	27.00	0.00	0.00	0.00	0.30	0.00	125.71	-0.06	0.00	0.00	0.00	18.00	2.39	75.40	0.40	16.76	N/A	N/A	N/A	N/A
175	1.75	1.59	23.08	5.00	3.93E-007	8.77E-004	6.00	21.86	30.00	32.99	24.02	27.03	0.00	0.00	0.00	0.30	0.00	125.72	-0.06	0.00	0.00	0.00	18.20	2.49	76.88	0.45	16.78	N/A	N/A	N/A	N/A
176	1.76	1.50	23.58	5.00	2.95E-007	6.18E-004	5.00	20.59	29.00	33.23	23.85	26.84	0.00	0.00	0.00	0.30	0.00	125.27	-0.07	0.00	0.00	0.00	18.48	2.74	79.55	0.56	16.78	N/A	N/A	N/A	N/A
177	1.77	1.46	23.90	5.00	2.56E-007	5.22E-004	5.00	20.03	28.00	33.35	23.80	26.79	0.00	0.00	0.00	0.30	0.00	125.14	-0.07	0.00	0.00	0.00	18.68	2.87	81.03	0.64	16.78	N/A	N/A	N/A	N/A
178	1.78	1.39	24.31	4.00	2.00E-007	3.89E-004	5.00	19.05	0.00	0.00	0.00	26.63	15.00	90.71	3.18	0.30	8.06	124.75	0.00	1.00	3.92	0.00	90.71	3.11	83.48	0.58	16.78	N/A	N/A	N/A	N/A
179	1.79	1.36	24.59	4.00	1.79E-007	3.39E-004	5.00	18.63	0.00	0.00	0.00	26.59	15.00	88.69	3.09	0.30	7.88	124.65	0.00	1.00	3.79	0.00	88.69	3.23	84.81	0.58	16.79	N/A	N/A	N/A	N/A
180	1.80	1.31	24.62	4.00	1.51E-007	2.77E-004	5.00	17.92	0.00	0.00	0.00	26.35	15.00	85.35	2.96	0.30	7.58	124.12	0.00	1.00	3.64	0.00	85.35	3.41	86.19	0.58	16.78	N/A	N/A	N/A	N/A
181	1.81	1.29	24.37	4.00	1.44E-007	2.59E-004	5.00	17.64	0.00	0.00	0.00	26.14	15.00	84.00	2.89	0.30	7.46	123.69	0.00	1.00	3.62	0.00	84.00	3.47	86.22	0.58	16.76	N/A	N/A	N/A	N/A
182	1.82	1.26	23.46	4.00	1.39E-007	2.44E-004	5.00	17.22	0.00	0.00	0.00	25.59	15.00	81.99	2.81	0.30	7.28	122.59	0.00	1.00	3.67	0.00	81.99	3.51	85.13	0.58	16.71	N/A	N/A	N/A	N/A
183	1.83	1.24	22.58	4.00	1.39E-007	2.40E-004	5.00	16.94	0.00	0.00	0.00	25.11	15.00	80.65	2.74	0.30	7.16	121.61	0.00	1.00	3.75	0.00	80.65	3.51	83.80	0.58	16.66	N/A	N/A	N/A	N/A
184	1.84	1.22	21.44	4.00	1.42E-007	2.40E-004	5.00	16.65	0.00	0.00	0.00	24.50	15.00	79.30	2.68	0.30	7.04	120.37	0.00	1.00	3.88	0.00	79.30	3.49	81.87	0.58	16.59	N/A	N/A	N/A	N/A
185	1.85	1.20	19.30	4.00	1.58E-007	2.64E-004	5.00	16.37	0.00	0.00	0.00	23.43	15.00	77.96	2.62	0.30	6.92	118.17	0.00	1.00	4.24	0.00	77.96	3.36	77.62	0.48	16.46	N/A	N/A	N/A	N/A
186	1.86	1.19	18.51	4.00	1.63E-007	2.70E-004	5.00	16.23	0.00	0.00	0.00	23.01	15.00	77.28	2.59	0.30	6.86	117.29	0.00	1.00	4.38	0.00	77.28	3.33	76.08	0.42	16.41	N/A	N/A	N/A	N/A
187	1.87	1.18	17.22	4.00	1.78E-007	2.92E-004	4.00	16.09	0.00	0.00	0.00	22.35	15.00	76.60	2.55	0.30	6.80	115.88	0.00	1.00	4.67	0.00	76.60	3.23	73.33	0.34	16.32	N/A	N/A	N/A	N/A
188	1.88	1.17	16.55	5.00	1.83E-007	2.98E-004	4.00	15.94	25.00	32.54	20.12	21.97	0.00	0.00	0.00	0.30	0.00	115.07	-0.05	0.00	0.00	0.00	19.27	3.20	72.00	0.30	16.28	N/A	N/A	N/A	N/A
189	1.89	1.16	15.95	5.00	1.87E-007	3.02E-004	4.00	15.80	25.00	32.42	19.86	21.62	0.00	0.00	0.00	0.30	0.00	114.31	-0.05	0.00	0.00	0.00	19.29	3.18	70.80	0.27	16.23	N/A	N/A	N/A	N/A
190	1.90	1.14	15.13	5.00	1.90E-007	3.00E-004	4.00	15.52	25.00	32.28	19.47	21.10	0.00	0.00	0.00	0.30	0.00	113.17	-0.05	0.00	0.00	0.00	19.28	3.17	69.29	0.24	16.16	N/A	N/A	N/A	N/A
191	1.91	1.13	14.85	5.00	1.88E-007	2.95E-004	4.00	15.38	25.00	32.23	19.32	20.91	0.00	0.00	0.00	0.30	0.00	112.74	-0.05	0.00	0.00	0.00	19.35	3.18	68.84	0.23	16.14	N/A	N/A	N/A	N/A
192	1.92	1.13	14.85	5.00	1.88E-007	2.94E-004	4.00	15.37	25.00	32.23	19.32	20.91	0.00	0.00	0.00	0.30	0.00	112.73	-0.05	0.00	0.00	0.00	19.45	3.18	68.85	0.23	16.14	N/A	N/A	N/A	N/A
193	1.93	1.13	14.85	5.00	1.88E-007	2.94E-004	4.00	15.37	25.00	32.23	19.32	20.91	0.00	0.00	0.00	0.30	0.00	112.73	-0.05	0.00	0.00	0.00	19.55	3.18	68.85	0.23	16.14	N/A	N/A	N/A	N/A
194	1.94	1.09	10.12	5.00	2.92E-007	4.40E-004	4.00	14.81	24.00	30.98	17.18	18.07	0.00	0.00	0.00	0.30	0.00	106.32	-0.02	0.00	0.00	0.00	18.71	2.75	57.38	0.09	15.68	N/A	N/A	N/A	N/A
195	1.95	1.08	9.90	5.00	2.90E-007	4.33E-004	4.00	14.67	24.00	30.93	17.04	17.89	0.00	0.00	0.00	0.30	0.00	105.88	-0.02	0.00	0.00	0.00	18.77	2.75	56.97	0.09	15.65	N/A	N/A	N/A	N/A
196	1.96	1.08	9.84	5.00	2.92E-007	4.36E-004	4.00	14.66	24.00	30.91	17.01	17.85	0.00	0.00	0.00	0.30	0.00	105.79	-0.02	0.00	0.00	0.00	18.85	2.75	56.81	0.09	15.65	N/A	N/A	N/A	N/A
197	1.97	1.08	9.68	5.00	2.99E-007	4.47E-004	4.00	14.66	24.00	30.86	16.94	17.75	0.00	0.00	0.00	0.30	0.00	105.56	-0.02	0.00	0.00	0.00	18.90	2.73	56.36	0.08	15.63	N/A	N/A	N/A	N/A
198	1.98	1.08	9.65	5.00	3.00E-007	4.48E-004	4.00	14.66	24.00	30.85	16.92	17.73	0.00	0.00	0.00	0.30	0.00	105.52	-0.02	0.00	0.00	0.00	18.99	2.72	56.28	0.08	15.62	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
199	1.99	1.08	9.62	5.00	3.01E-007	4.50E-004	4.00	14.66	24.00	30.84	16.91	17.71	0.00	0.00	0.00	0.30	0.00	105.47	-0.02	0.00	0.00	0.00	19.07	2.72	56.20	0.08	15.62	N/A	N/A	N/A	N/A
200	2.00	1.08	9.59	5.00	3.02E-007	4.52E-004	4.00	14.66	24.00	30.83	16.89	17.69	0.00	0.00	0.00	0.30	0.00	105.42	-0.02	0.00	0.00	0.00	19.16	2.72	56.12	0.08	15.62	N/A	N/A	N/A	N/A
201	2.01	1.09	9.52	5.00	3.18E-007	4.79E-004	4.00	14.79	24.00	30.78	16.90	17.70	0.00	0.00	0.00	0.30	0.00	105.45	-0.02	0.00	0.00	0.00	19.22	2.67	55.75	0.08	15.61	N/A	N/A	N/A	N/A
202	2.02	1.11	9.46	5.00	3.46E-007	5.32E-004	4.00	15.07	25.00	30.72	16.95	17.75	0.00	0.00	0.00	0.30	0.00	105.61	-0.01	0.00	0.00	0.00	19.26	2.60	55.24	0.08	15.61	N/A	N/A	N/A	N/A
203	2.03	1.13	9.33	5.00	3.81E-007	5.96E-004	4.00	15.35	25.00	30.63	16.97	17.76	0.00	0.00	0.00	0.30	0.00	105.66	-0.01	0.00	0.00	0.00	19.29	2.52	54.56	0.07	15.60	N/A	N/A	N/A	N/A
204	2.04	1.13	9.33	5.00	3.81E-007	5.95E-004	4.00	15.35	25.00	30.63	16.97	17.76	0.00	0.00	0.00	0.30	0.00	105.66	-0.01	0.00	0.00	0.00	19.38	2.52	54.56	0.07	15.60	N/A	N/A	N/A	N/A
205	2.05	1.15	9.52	5.00	3.98E-007	6.34E-004	4.00	15.62	25.00	30.66	17.14	17.97	0.00	0.00	0.00	0.30	0.00	106.18	-0.01	0.00	0.00	0.00	19.49	2.49	54.76	0.08	15.63	N/A	N/A	N/A	N/A
206	2.06	1.16	9.65	5.00	4.05E-007	6.50E-004	4.00	15.76	25.00	30.68	17.24	18.09	0.00	0.00	0.00	0.30	0.00	106.49	-0.01	0.00	0.00	0.00	19.60	2.47	54.95	0.08	15.65	N/A	N/A	N/A	N/A
207	2.07	1.19	9.87	5.00	4.36E-007	7.20E-004	4.00	16.18	26.00	30.70	17.45	18.36	0.00	0.00	0.00	0.30	0.00	107.16	-0.01	0.00	0.00	0.00	19.71	2.41	55.07	0.08	15.69	N/A	N/A	N/A	N/A
208	2.08	1.22	9.93	5.00	4.80E-007	8.13E-004	4.00	16.60	26.00	30.66	17.60	18.53	0.00	0.00	0.00	0.30	0.00	107.60	-0.01	0.00	0.00	0.00	19.78	2.34	54.81	0.08	15.70	N/A	N/A	N/A	N/A
209	2.09	1.26	10.03	5.00	5.43E-007	9.49E-004	4.00	17.16	26.00	30.63	17.79	18.77	0.00	0.00	0.00	0.30	0.00	108.19	-0.01	0.00	0.00	0.00	19.84	2.26	54.55	0.07	15.73	N/A	N/A	N/A	N/A
210	2.10	1.35	10.40	5.00	6.89E-007	1.29E-003	5.00	18.41	27.00	30.62	18.29	19.37	0.00	0.00	0.00	0.30	0.00	109.69	-0.01	0.00	0.00	0.00	19.93	2.10	54.46	0.07	15.80	N/A	N/A	N/A	N/A
211	2.11	1.42	10.69	5.00	8.20E-007	1.62E-003	5.00	19.39	28.00	30.63	18.66	19.84	0.00	0.00	0.00	0.30	0.00	110.81	-0.01	0.00	0.00	0.00	20.03	1.99	54.52	0.07	15.85	N/A	N/A	N/A	N/A
212	2.12	1.50	10.94	5.00	9.99E-007	2.09E-003	5.00	20.51	29.00	30.63	19.05	20.30	0.00	0.00	0.00	0.30	0.00	111.94	-0.01	0.00	0.00	0.00	20.13	1.89	54.56	0.07	15.90	N/A	N/A	N/A	N/A
213	2.13	1.73	11.51	5.00	1.69E-006	4.09E-003	5.00	23.73	31.00	30.72	20.03	21.51	0.00	0.00	0.00	0.30	0.00	114.80	-0.02	0.00	0.00	0.00	20.29	1.65	55.29	0.08	16.01	N/A	N/A	N/A	N/A
214	2.14	1.88	11.82	5.00	2.31E-006	6.08E-003	6.00	25.83	32.00	30.85	20.61	22.21	0.00	0.00	0.00	0.30	0.00	116.45	-0.02	0.00	0.00	0.00	20.49	1.55	56.33	0.08	16.07	N/A	N/A	N/A	N/A
215	2.15	2.08	12.14	5.00	3.39E-006	9.23E-003	6.00	26.70	34.00	31.09	21.31	23.06	0.00	0.00	0.00	0.30	0.00	118.40	-0.02	0.00	0.00	0.00	20.78	1.44	58.31	0.10	16.14	N/A	N/A	N/A	N/A
216	2.16	2.60	13.08	6.00	7.40E-006	2.19E-002	7.00	29.09	38.00	31.88	23.21	25.39	0.00	0.00	0.00	0.30	0.00	123.57	-0.04	0.00	0.00	0.00	21.54	1.31	65.38	0.17	16.31	N/A	N/A	N/A	N/A
217	2.17	2.96	13.49	6.00	1.13E-005	3.54E-002	8.00	30.73	40.00	32.36	24.52	26.96	0.00	0.00	0.00	0.30	0.00	127.01	-0.05	0.00	0.00	0.00	22.05	1.27	70.10	0.26	16.40	N/A	N/A	N/A	N/A
218	2.18	3.85	14.28	6.00	2.66E-005	9.32E-002	9.00	34.31	44.00	33.29	27.38	30.41	0.00	0.00	0.00	0.30	0.00	134.21	-0.07	0.00	0.00	0.00	22.95	1.18	80.24	0.60	16.56	N/A	N/A	N/A	N/A
219	2.19	4.26	14.88	6.00	3.61E-005	1.32E-001	10.00	35.96	46.00	33.54	28.69	32.04	0.00	0.00	0.00	0.30	0.00	137.40	-0.07	0.00	0.00	0.00	23.29	1.12	83.29	0.66	16.65	N/A	N/A	N/A	N/A
220	2.20	4.56	15.70	6.00	4.29E-005	1.63E-001	10.00	37.33	47.00	33.70	29.78	33.43	0.00	0.00	0.00	0.30	0.00	139.98	-0.08	0.00	0.00	0.00	23.54	1.09	85.17	0.67	16.74	N/A	N/A	N/A	N/A
221	2.21	4.57	17.81	6.00	3.71E-005	1.45E-001	11.00	38.41	48.00	33.95	30.65	34.70	0.00	0.00	0.00	0.30	0.00	142.00	-0.08	0.00	0.00	0.00	23.88	1.12	88.40	0.67	16.88	N/A	N/A	N/A	N/A
222	2.22	4.35	19.77	6.00	2.71E-005	1.07E-001	10.00	38.68	47.00	34.04	30.86	35.16	0.00	0.00	0.00	0.30	0.00	142.50	-0.08	0.00	0.00	0.00	24.07	1.17	89.53	0.68	16.98	N/A	N/A	N/A	N/A
223	2.23	3.69	23.96	6.00	1.14E-005	4.46E-002	10.00	38.31	44.00	33.76	30.56	35.14	0.00	0.00	0.00	0.30	0.00	141.81	-0.08	0.00	0.00	0.00	23.94	1.27	85.99	0.67	17.14	N/A	N/A	N/A	N/A
224	2.24	3.48	26.52	6.00	7.87E-006	3.10E-002	9.00	38.62	43.00	33.68	30.81	35.62	0.00	0.00	0.00	0.30	0.00	142.38	-0.08	0.00	0.00	0.00	23.98	1.31	85.02	0.67	17.24	N/A	N/A	N/A	N/A
225	2.25	3.09	29.86	5.00	4.18E-006	1.63E-002	9.00	38.40	41.00	33.56	30.64	35.61	0.00	0.00	0.00	0.30	0.00	141.99	-0.07	0.00	0.00	0.00	23.98	1.40	83.49	0.66	17.33	N/A	N/A	N/A	N/A
226	2.26	2.91	31.50	5.00	3.01E-006	1.18E-002	9.00	38.33	40.00	33.56	30.58	35.62	0.00	0.00	0.00	0.30	0.00	141.85	-0.07	0.00	0.00	0.00	24.10	1.47	83.52	0.66	17.37	N/A	N/A	N/A	N/A
227	2.27	2.60	34.18	5.00	1.60E-006	5.84E-003	8.00	35.88	38.00	33.66	30.60	35.75	0.00	0.00	0.00	0.30	0.00	141.89	-0.08	0.00	0.00	0.00	24.30	1.67	84.71	0.67	17.42	N/A	N/A	N/A	N/A
228	2.28	2.46	35.53	5.00	1.17E-006	4.05E-003	8.00	33.92	37.00	33.80	30.60	35.80	0.00	0.00	0.00	0.30	0.00	141.90	-0.08	0.00	0.00	0.00	24.55	1.81	86.49	0.67	17.44	N/A	N/A	N/A	N/A
229	2.29	2.35	36.42	5.00	9.16E-007	3.02E-003	8.00	32.37	36.00	33.94	30.53	35.74	0.00	0.00	0.00	0.30	0.00	141.74	-0.08	0.00	0.00	0.00	24.80	1.93	88.20	0.67	17.45	N/A	N/A	N/A	N/A
230	2.30	2.13	38.34	5.00	5.42E-007	1.62E-003	7.00	29.29	34.00	34.31	30.38	35.60	0.00	0.00	0.00	0.30	0.00	141.37	-0.09	0.00	0.00	0.00	25.27	2.26	93.14	0.68	17.47	N/A	N/A	N/A	N/A
231	2.31	2.05	38.94	5.00	4.46E-007	1.28E-003	7.00	28.17	34.00	34.46	30.27	35.48	0.00	0.00	0.00	0.30	0.00	141.12	-0.09	0.00	0.00	0.00	25.53	2.40	95.24	0.69	17.48	N/A	N/A	N/A	N/A
232	2.32	1.97	39.38	5.00	3.66E-007	1.01E-003	7.00	27.04	33.00	34.61	30.11	35.28	0.00	0.00	0.00	0.30	0.00	140.75	-0.10	0.00	0.00	0.00	25.79	2.55	97.32	0.69	17.47	N/A	N/A	N/A	N/A
233	2.33	1.85	39.70	5.00	2.74E-007	7.09E-004	7.00	25.36	32.00	34.82	29.76	34.84	0.00	0.00	0.00	0.30	0.00	139.92	-0.10	0.00	0.00	0.00	26.12	2.80	100.29	0.70	17.46	N/A	N/A	N/A	N/A
234	2.34	1.81	39.29	5.00	2.54E-007	6.42E-004	7.00	24.80	32.00	34.84	29.50	34.50	0.00	0.00	0.00	0.30	0.00	139.32	-0.10	0.00	0.00	0.00	26.25	2.88	100.53	0.70	17.44	N/A	N/A	N/A	N/A
235	2.35	1.76	38.84	4.00	2.30E-007	5.64E-004	7.00	24.10	0.00	0.00	0.00	34.09	15.00	114.75	3.03	0.30	10.19	138.59	0.00	1.00	3.10	0.00	114.75	2.97	100.98	0.58	17.41	N/A	N/A	N/A	N/A
236	2.36	1.71	36.80	4.00	2.24E-007	5.35E-004	6.00	23.39	0.00	0.00	0.00	33.10	15.00	111.40	2.93	0.30	9.90	136.84	0.00	1.00	3.18	0.00	111.40	3.00	98.79	0.58	17.34	N/A	N/A	N/A	N/A
237	2.37	1.69	35.06	4.00	2.33E-007	5.50E-004	6.00	23.11	0.00	0.00	0.00	32.35	15.00	110.06	2.88	0.30	9.78	135.53	0.00	1.00	3.30	0.00	110.06	2.96	96.33	0.58	17.28	N/A	N/A	N/A	N/A
238	2.38	1.69	30.84	5.00	2.96E-007	6.98E-004	6.00	23.11	31.00	34.00	26.73	30.72	0.00	0.00	0.00	0.30	0.00	132.63	-0.08	0.00	0.00	0.00	25.91	2.73	89.08	0.67	17.13	N/A	N/A	N/A	N/A
239	2.39	1.69	29.32	5.00	3.25E-007	7.66E-004	6.00	23.11	31.00	33.80	26.29	30.11	0.00	0.00	0.00	0.30	0.00	131.52	-0.08	0.00	0.00	0.00	25.83	2.65	86.44	0.67	17.07	N/A	N/A	N/A	N/A
240	2.40	1.70	28.09	5.00	3.60E-007	8.54E-004	6.00	23.25	31.00	33.61	25.96	29.64	0.00	0.00	0.00	0.30	0.00	130.68	-0.08	0.00	0.00	0.00	25.76	2.57	84.10	0.66	17.03	N/A	N/A	N/A	N/A
241	2.41	1.69	26.96	5.00	3.78E-007	8.90E-004	6.00	23.10	31.00	33.46	25.57	29.12	0.00	0.00	0.00	0.30	0.00	129.72	-0.07	0.00	0.00	0.00	25.73	2.53	82.31	0.66	16.98	N/A	N/A	N/A	N/A
242	2.42	1.69	26.52	5.00	3.89E-007	9.17E-004	6.00	23.10	31.00	33.40	25.44	28.93	0.00	0.00	0.00	0.30	0.00	129.37	-0.07	0.00	0.00	0.00	25.77	2.50	81.54	0.66	16.96	N/A	N/A	N/A	N/A
243	2.43	1.65	25.19	5.00	3.84E-007	8.83E-004	6.00	22.54	30.00	33.25	24.88	28.18	0.00	0.00	0.00	0.30	0.00	127.94	-0.07	0.00	0.00	0.00	25.75	2.51	79.88	0.58	16.89	N/A	N/A	N/A	N/A
244	2.44	1.63	24.75	5.00	3.76E-007	8.52E-004	6.00	22.26	30.00	33.22	24.66	27.90	0.00	0.00	0.00	0.30	0.00	127.39	-0.07	0.00	0.00	0.00	25.82	2.53	79.45	0.56	16.87	N/A	N/A	N/A	N/A
245	2.45	1.62	24.40	5.00	3.75E-007	8.45E-004	6.00	22.11	30.00	33.18	24.52	27.70	0.00	0.00	0.00	0.30	0.00	127.00	-0.07	0.00	0.00	0.00	25.89	2.53	78.99	0.54	16.85	N/A	N/A	N/A	N/A
246	2.46	1.59	23.62	5.00	3.66E-007	8.09E-004	6.00	21.69	30.00	33.10	24.15	27.22	0.00	0.00	0.00	0.30	0.00	126.06	-0.06	0.00	0.00	0.00	25.92	2.55	78.10	0.50	16.80	N/A	N/A	N/A	N/A
247	2.47	1.57	23.43	5.00	3.51E-007	7.66E-004	6.00	21.41	29.00	33.10	24.02	27.05	0.00	0.00	0.00	0.30	0.00	125.71	-0.06	0.00	0.00	0.00	26.03	2.59	78.11	0.50	16.79	N/A	N/A	N/A	N/A
248	2.48	1.53	22.51	5.00	3.36E-007	7.15E-004	5.00	20.85	29.00	33.01	23.57	26.45	0.00	0.00	0.00	0.30	0.00	124.53	-0.06	0.00	0.00	0.00	26.06	2.62	77.12	0.46	16.73	N/A	N/A	N/A	N/A
249	2.49	1.51	21.94	5.00	3.32E-007	6.96E-004	5.00	20.56	29.00	32.95	23.31	26.10	0.00	0.00	0.00	0.30	0.00	123.83	-0.06	0.00	0.00	0.00	26.10	2.64	76.40	0.43	16.70	N/A	N/A	N/A	N/A
250	2.50	1.48	20.94	5.00	3.30E-007	6.77E-004	5.00	20.14	28.00	32.82	22.86	25.50	0.00	0.00	0.00	0.30	0.00	122.63	-0.06	0.00	0.00	0.00	26.08	2.64	75.00	0.39	16.64	N/A	N/A	N/A	N/A
251	2.51	1.46	20.53	5.00	3.21E-007	6.50E-004	5.00	19.86	28.00	32.78	22.64	25.22	0.00	0.00	0.00	0.30	0.00	122.05	-0.06	0.00	0.00	0.00	26.15	2.66	74.57	0.37	16.61	N/A	N/A	N/A	N/A
252	2.52	1.43	19.99	5.00	3.07E-007	6.08E-004	5.00	19.44	28.00	32.73	22.34	24.83	0.00	0.00	0.00	0.30	0.00	121.24	-0.06	0.00	0.00	0.00	26.21	2.70	74.07	0.36	16.57	N/A	N/A	N/A	N/A
253	2.53	1.42	19.77	5.00	3.03E-007	5.96E-004	5.00	19.29	28.00	32.71	22.23	24.68	0.00	0.00	0.00	0.30	0.00	120.93	-0.06	0.00	0.00	0.00	26.29	2.71	73.82	0.35	16.55	N/A	N/A	N/A	N/A
254	2.54	1.41	19.71	5.00	2.95E-007	5.77E-004	5.00	19.15	28.00	32.72	22.17	24.60	0.00	0.00	0.00	0.30	0.00	120.77	-0.06	0.00	0.00	0.00	26.40	2.74	73.90	0.35	16.55	N/A	N/A	N/A	N/A
255	2.55	1.39	19.30	5.00	2.88E-007	5.53E-004	5.00	18.87	28.00	32.68	21.95	24.32	0.00	0.00	0.00	0.30	0.00	120.17	-0.06	0.00	0.00	0.00	26.47	2.76	73.45	0.34	16.52	N/A	N/A	N/A	N/A
256	2.56	1.39	19.20	5.00	2.90E-007	5.58E-004	5.00	18.87	28.00	32.66	21.91	24.27	0.00	0.00	0.00	0.30	0.00	120.07	-0.06	0.00	0.00	0.00	26.55	2.75	73.24	0.33	16.51	N/A	N/A	N/A	N/A
257	2.57	1.39	19.11	5.00	2.92E-007	5.62E-004	5.00	18.86	28.00	32.64	21.88	24.22	0.00	0.00	0.00	0.30	0.00	119.98	-0.06	0.00	0.00	0.00	26.64	2.75	73.06	0.33	16.51	N/A	N/A	N/A	N/A
258	2.58	1.39	19.17	5.00	2.91E-007	5.59E-004	5.00	18.86	28.00	32.65	21.90	24.25	0.00	0.00	0.00	0.30	0.00	120.04	-0.06	0.00	0.00	0.00	26.76	2.75	73.18	0.33	16.51	N/A	N/A	N/A	N/A
259	2.59	1.41	19.14	5.00	3.10E-007	6.04E-004	5.00	19.14	28.00	32.61	21.97	24.33	0.00	0.00	0.00	0.30	0.00	120.22	-0.05	0.00	0.00	0.00	26.82	2.69	72.72	0.32	16.51	N/A	N/A	N/A	N/A
260	2.60	1.42	19.08	5.00	3.21E-007	6.31E-004	5.00	19.28	28.00	32.58	21.98	24.35	0.00	0.00	0.00	0.30	0.00	120.26	-0.05	0.00	0.00	0.00	26.90	2.66	72.41	0.31	16.51	N/A	N/A	N/A	N/A
261	2.61	1.45	18.82	5.00	3.60E-007	7.22E-004	5.00	19.70	28.00	32.47	22.00	24.36	0.00	0.00	0.00	0.30	0.00	120.32	-0.05	0.00	0.00	0.00	26.89	2.57	71.31	0.28	16.51	N/A	N/A	N/A	N/A
262	2.62	1.46	18.82	5.00	3.70E-007	7.49E-004	5.00	19.83	28.00	32.46	22.04	24.40	0.00	0.00	0.00	0.30	0.00	120.41	-0.05	0.00	0.00	0.00	26.98	2.54	71.13	0.28	16.51	N/A	N/A	N/A	N/A
263	2.63	1.46	18.73	5.00	3.70E-007	7.49E-004	5.00	19.83	28.00	32.44	22.03	24.39	0.00	0.00	0.00	0.30	0.00	120.40	-0.05	0.00	0.00	0.00	27.06	2.54	70.91	0.27	16.50	N/A	N/A	N/A	N/A
264	2.64	1.47	18.82	5.00	3.75E-007	7.63E-004	5.00	19.97	28.00	32.43	22.14	24.52	0.00	0.00	0.00	0.30	0.00	120.69	-0.05	0.00	0.00	0.00	27.16	2.53	70.88	0.27	16.51	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
265	2.65	1.47	18.85	5.00	3.71E-007	7.56E-004	5.00	19.97	28.00	32.44	22.17	24.56	0.00	0.00	0.00	0.30	0.00	120.78	-0.05	0.00	0.00	0.00	27.27	2.54	70.91	0.27	16.51	N/A	N/A	N/A	N/A
266	2.66	1.47	18.89	5.00	3.68E-007	7.48E-004	5.00	19.96	28.00	32.44	22.21	24.60	0.00	0.00	0.00	0.30	0.00	120.89	-0.05	0.00	0.00	0.00	27.38	2.55	70.96	0.28	16.52	N/A	N/A	N/A	N/A
267	2.67	1.50	19.14	5.00	3.87E-007	8.04E-004	5.00	20.38	28.00	32.43	22.47	24.92	0.00	0.00	0.00	0.30	0.00	121.58	-0.05	0.00	0.00	0.00	27.48	2.51	70.88	0.27	16.54	N/A	N/A	N/A	N/A
268	2.68	1.51	19.45	5.00	3.85E-007	8.05E-004	5.00	20.52	28.00	32.47	22.64	25.14	0.00	0.00	0.00	0.30	0.00	122.05	-0.05	0.00	0.00	0.00	27.63	2.51	71.29	0.28	16.56	N/A	N/A	N/A	N/A
269	2.69	1.55	19.64	5.00	4.17E-007	8.96E-004	5.00	21.08	29.00	32.44	22.92	25.49	0.00	0.00	0.00	0.30	0.00	122.80	-0.05	0.00	0.00	0.00	27.69	2.45	70.91	0.27	16.58	N/A	N/A	N/A	N/A
270	2.70	1.58	19.83	5.00	4.40E-007	9.64E-004	6.00	21.49	29.00	32.42	23.15	25.77	0.00	0.00	0.00	0.30	0.00	123.42	-0.05	0.00	0.00	0.00	27.78	2.41	70.73	0.27	16.60	N/A	N/A	N/A	N/A
271	2.71	1.61	20.08	5.00	4.61E-007	1.03E-003	6.00	21.91	29.00	32.41	23.40	26.08	0.00	0.00	0.00	0.30	0.00	124.08	-0.05	0.00	0.00	0.00	27.88	2.37	70.68	0.27	16.62	N/A	N/A	N/A	N/A
272	2.72	1.64	20.34	5.00	4.83E-007	1.10E-003	6.00	22.33	29.00	32.41	23.65	26.40	0.00	0.00	0.00	0.30	0.00	124.74	-0.05	0.00	0.00	0.00	27.98	2.34	70.66	0.27	16.64	N/A	N/A	N/A	N/A
273	2.73	1.74	20.81	5.00	5.83E-007	1.41E-003	6.00	23.73	30.00	32.35	24.29	27.19	0.00	0.00	0.00	0.30	0.00	126.41	-0.05	0.00	0.00	0.00	28.02	2.21	70.03	0.26	16.69	N/A	N/A	N/A	N/A
274	2.74	1.80	21.06	5.00	6.49E-007	1.63E-003	6.00	24.57	31.00	32.31	24.66	27.65	0.00	0.00	0.00	0.30	0.00	127.38	-0.05	0.00	0.00	0.00	28.09	2.14	69.66	0.25	16.72	N/A	N/A	N/A	N/A
275	2.75	1.92	21.41	5.00	8.06E-007	2.16E-003	6.00	26.24	31.00	32.24	25.33	28.48	0.00	0.00	0.00	0.30	0.00	129.11	-0.05	0.00	0.00	0.00	28.11	2.00	68.90	0.23	16.76	N/A	N/A	N/A	N/A
276	2.76	1.97	21.60	5.00	8.73E-007	2.40E-003	6.00	26.94	32.00	32.22	25.63	28.85	0.00	0.00	0.00	0.30	0.00	129.87	-0.05	0.00	0.00	0.00	28.20	1.96	68.71	0.23	16.78	N/A	N/A	N/A	N/A
277	2.77	1.98	21.66	5.00	8.81E-007	2.43E-003	7.00	27.08	32.00	32.21	25.72	28.96	0.00	0.00	0.00	0.30	0.00	130.10	-0.05	0.00	0.00	0.00	28.30	1.95	68.67	0.23	16.79	N/A	N/A	N/A	N/A
278	2.78	1.95	21.28	5.00	8.47E-007	2.30E-003	6.00	26.66	31.00	32.18	25.50	28.67	0.00	0.00	0.00	0.30	0.00	129.54	-0.05	0.00	0.00	0.00	28.36	1.98	68.28	0.22	16.76	N/A	N/A	N/A	N/A
279	2.79	1.92	21.19	5.00	7.97E-007	2.13E-003	6.00	26.23	31.00	32.18	25.37	28.51	0.00	0.00	0.00	0.30	0.00	129.21	-0.05	0.00	0.00	0.00	28.48	2.01	68.37	0.22	16.75	N/A	N/A	N/A	N/A
280	2.80	1.82	21.06	5.00	6.49E-007	1.64E-003	6.00	24.83	30.00	32.26	24.93	27.96	0.00	0.00	0.00	0.30	0.00	128.06	-0.05	0.00	0.00	0.00	28.67	2.14	69.17	0.24	16.72	N/A	N/A	N/A	N/A
281	2.81	1.77	20.81	5.00	5.89E-007	1.45E-003	6.00	24.13	30.00	32.28	24.65	27.61	0.00	0.00	0.00	0.30	0.00	127.35	-0.05	0.00	0.00	0.00	28.79	2.20	69.32	0.24	16.70	N/A	N/A	N/A	N/A
282	2.82	1.72	20.27	5.00	5.45E-007	1.30E-003	6.00	23.43	30.00	32.25	24.28	27.12	0.00	0.00	0.00	0.30	0.00	126.38	-0.05	0.00	0.00	0.00	28.86	2.25	68.99	0.23	16.66	N/A	N/A	N/A	N/A
283	2.83	1.68	19.90	5.00	5.07E-007	1.18E-003	6.00	22.86	29.00	32.23	24.00	26.76	0.00	0.00	0.00	0.30	0.00	125.66	-0.05	0.00	0.00	0.00	28.95	2.30	68.85	0.23	16.63	N/A	N/A	N/A	N/A
284	2.84	1.63	19.49	5.00	4.62E-007	1.04E-003	6.00	22.16	29.00	32.23	23.66	26.33	0.00	0.00	0.00	0.30	0.00	124.77	-0.05	0.00	0.00	0.00	29.05	2.37	68.80	0.23	16.59	N/A	N/A	N/A	N/A
285	2.85	1.61	19.39	5.00	4.41E-007	9.83E-004	6.00	21.88	29.00	32.24	23.56	26.20	0.00	0.00	0.00	0.30	0.00	124.50	-0.05	0.00	0.00	0.00	29.17	2.41	68.89	0.23	16.58	N/A	N/A	N/A	N/A
286	2.86	1.56	19.64	5.00	3.80E-007	8.19E-004	6.00	21.18	28.00	32.36	23.43	26.06	0.00	0.00	0.00	0.30	0.00	124.15	-0.05	0.00	0.00	0.00	29.41	2.52	70.19	0.26	16.58	N/A	N/A	N/A	N/A
287	2.87	1.53	19.96	5.00	3.41E-007	7.21E-004	5.00	20.75	28.00	32.48	23.41	26.06	0.00	0.00	0.00	0.30	0.00	124.11	-0.05	0.00	0.00	0.00	29.65	2.61	71.34	0.28	16.59	N/A	N/A	N/A	N/A
288	2.88	1.49	19.86	5.00	3.07E-007	6.33E-004	5.00	20.19	28.00	32.53	23.21	25.80	0.00	0.00	0.00	0.30	0.00	123.57	-0.05	0.00	0.00	0.00	29.81	2.70	71.88	0.30	16.58	N/A	N/A	N/A	N/A
289	2.89	1.47	19.80	5.00	2.91E-007	5.90E-004	5.00	19.91	27.00	32.55	23.11	25.69	0.00	0.00	0.00	0.30	0.00	123.32	-0.05	0.00	0.00	0.00	29.95	2.75	72.14	0.30	16.57	N/A	N/A	N/A	N/A
290	2.90	1.43	19.45	5.00	2.66E-007	5.25E-004	5.00	19.35	27.00	32.56	22.82	25.31	0.00	0.00	0.00	0.30	0.00	122.54	-0.05	0.00	0.00	0.00	30.06	2.83	72.22	0.31	16.54	N/A	N/A	N/A	N/A
291	2.91	1.43	19.23	5.00	2.69E-007	5.30E-004	5.00	19.34	27.00	32.51	22.78	25.24	0.00	0.00	0.00	0.30	0.00	122.42	-0.05	0.00	0.00	0.00	30.11	2.82	71.73	0.29	16.53	N/A	N/A	N/A	N/A
292	2.92	1.43	19.23	5.00	2.67E-007	5.27E-004	5.00	19.34	27.00	32.51	22.80	25.27	0.00	0.00	0.00	0.30	0.00	122.48	-0.05	0.00	0.00	0.00	30.22	2.83	71.71	0.29	16.53	N/A	N/A	N/A	N/A
293	2.93	1.43	19.23	5.00	2.65E-007	5.23E-004	5.00	19.34	27.00	32.51	22.83	25.30	0.00	0.00	0.00	0.30	0.00	122.55	-0.05	0.00	0.00	0.00	30.32	2.84	71.68	0.29	16.53	N/A	N/A	N/A	N/A
294	2.94	1.38	14.19	5.00	3.57E-007	6.79E-004	5.00	18.64	26.00	31.49	20.84	22.59	0.00	0.00	0.00	0.30	0.00	117.11	-0.03	0.00	0.00	0.00	29.23	2.57	61.77	0.13	16.16	N/A	N/A	N/A	N/A
295	2.95	1.38	14.13	5.00	3.57E-007	6.78E-004	5.00	18.64	26.00	31.47	20.84	22.59	0.00	0.00	0.00	0.30	0.00	117.11	-0.03	0.00	0.00	0.00	29.31	2.57	61.61	0.13	16.16	N/A	N/A	N/A	N/A
296	2.96	1.36	14.00	5.00	3.39E-007	6.35E-004	5.00	18.35	26.00	31.47	20.72	22.43	0.00	0.00	0.00	0.30	0.00	116.75	-0.03	0.00	0.00	0.00	29.42	2.62	61.65	0.13	16.14	N/A	N/A	N/A	N/A
297	2.97	1.36	14.13	5.00	3.33E-007	6.23E-004	5.00	18.35	26.00	31.50	20.79	22.52	0.00	0.00	0.00	0.30	0.00	116.95	-0.03	0.00	0.00	0.00	29.55	2.63	61.92	0.13	16.15	N/A	N/A	N/A	N/A
298	2.98	1.36	14.13	5.00	3.31E-007	6.18E-004	5.00	18.35	26.00	31.50	20.81	22.55	0.00	0.00	0.00	0.30	0.00	117.02	-0.03	0.00	0.00	0.00	29.65	2.64	61.90	0.13	16.15	N/A	N/A	N/A	N/A
299	2.99	1.37	14.28	5.00	3.33E-007	6.27E-004	5.00	18.49	26.00	31.52	20.94	22.71	0.00	0.00	0.00	0.30	0.00	117.38	-0.03	0.00	0.00	0.00	29.76	2.63	62.04	0.13	16.17	N/A	N/A	N/A	N/A
300	3.00	1.38	14.22	5.00	3.42E-007	6.50E-004	5.00	18.62	26.00	31.48	20.99	22.76	0.00	0.00	0.00	0.30	0.00	117.52	-0.03	0.00	0.00	0.00	29.82	2.61	61.71	0.13	16.16	N/A	N/A	N/A	N/A
301	3.01	1.38	14.22	5.00	3.40E-007	6.45E-004	5.00	18.62	26.00	31.48	21.01	22.78	0.00	0.00	0.00	0.30	0.00	117.59	-0.03	0.00	0.00	0.00	29.92	2.61	61.69	0.13	16.16	N/A	N/A	N/A	N/A
302	3.02	1.39	14.38	5.00	3.42E-007	6.54E-004	5.00	18.76	26.00	31.50	21.15	22.95	0.00	0.00	0.00	0.30	0.00	117.96	-0.03	0.00	0.00	0.00	30.04	2.61	61.86	0.13	16.18	N/A	N/A	N/A	N/A
303	3.03	1.39	14.66	5.00	3.31E-007	6.32E-004	5.00	18.76	26.00	31.56	21.27	23.12	0.00	0.00	0.00	0.30	0.00	118.31	-0.03	0.00	0.00	0.00	30.22	2.64	62.45	0.14	16.20	N/A	N/A	N/A	N/A
304	3.04	1.39	14.66	5.00	3.28E-007	6.28E-004	5.00	18.76	26.00	31.56	21.30	23.14	0.00	0.00	0.00	0.30	0.00	118.37	-0.03	0.00	0.00	0.00	30.31	2.64	62.43	0.14	16.20	N/A	N/A	N/A	N/A
305	3.05	1.39	14.79	5.00	3.22E-007	6.16E-004	5.00	18.75	26.00	31.59	21.37	23.24	0.00	0.00	0.00	0.30	0.00	118.57	-0.03	0.00	0.00	0.00	30.45	2.66	62.70	0.14	16.21	N/A	N/A	N/A	N/A
306	3.06	1.39	14.88	5.00	3.17E-007	6.07E-004	5.00	18.75	26.00	31.61	21.42	23.31	0.00	0.00	0.00	0.30	0.00	118.73	-0.03	0.00	0.00	0.00	30.57	2.67	62.87	0.14	16.22	N/A	N/A	N/A	N/A
307	3.07	1.40	14.98	5.00	3.21E-007	6.19E-004	5.00	18.89	26.00	31.61	21.54	23.44	0.00	0.00	0.00	0.30	0.00	119.03	-0.03	0.00	0.00	0.00	30.67	2.66	62.90	0.14	16.23	N/A	N/A	N/A	N/A
308	3.08	1.39	14.88	5.00	3.13E-007	5.99E-004	5.00	18.75	26.00	31.60	21.47	23.36	0.00	0.00	0.00	0.30	0.00	118.86	-0.03	0.00	0.00	0.00	30.76	2.69	62.84	0.14	16.22	N/A	N/A	N/A	N/A
309	3.09	1.40	14.95	5.00	3.18E-007	6.12E-004	5.00	18.88	26.00	31.60	21.57	23.48	0.00	0.00	0.00	0.30	0.00	119.13	-0.03	0.00	0.00	0.00	30.86	2.67	62.79	0.14	16.23	N/A	N/A	N/A	N/A
310	3.10	1.41	15.10	5.00	3.20E-007	6.21E-004	5.00	19.02	26.00	31.61	21.70	23.64	0.00	0.00	0.00	0.30	0.00	119.48	-0.03	0.00	0.00	0.00	30.98	2.67	62.92	0.14	16.24	N/A	N/A	N/A	N/A
311	3.11	1.42	15.20	5.00	3.24E-007	6.33E-004	5.00	19.16	26.00	31.62	21.81	23.77	0.00	0.00	0.00	0.30	0.00	119.79	-0.03	0.00	0.00	0.00	31.08	2.66	62.94	0.14	16.25	N/A	N/A	N/A	N/A
312	3.12	1.44	15.42	5.00	3.33E-007	6.61E-004	5.00	19.44	26.00	31.63	22.01	24.03	0.00	0.00	0.00	0.30	0.00	120.35	-0.03	0.00	0.00	0.00	31.19	2.63	63.05	0.14	16.27	N/A	N/A	N/A	N/A
313	3.13	1.46	15.48	5.00	3.48E-007	6.99E-004	5.00	19.71	26.00	31.60	22.16	24.20	0.00	0.00	0.00	0.30	0.00	120.74	-0.03	0.00	0.00	0.00	31.26	2.60	62.82	0.14	16.28	N/A	N/A	N/A	N/A
314	3.14	1.50	15.92	5.00	3.69E-007	7.63E-004	5.00	20.27	27.00	31.63	22.54	24.68	0.00	0.00	0.00	0.30	0.00	121.77	-0.03	0.00	0.00	0.00	31.39	2.55	63.06	0.14	16.33	N/A	N/A	N/A	N/A
315	3.15	1.52	16.02	5.00	3.83E-007	8.03E-004	5.00	20.55	27.00	31.61	22.69	24.87	0.00	0.00	0.00	0.30	0.00	122.20	-0.03	0.00	0.00	0.00	31.48	2.52	62.93	0.14	16.34	N/A	N/A	N/A	N/A
316	3.16	1.55	16.11	5.00	4.08E-007	8.72E-004	5.00	20.97	27.00	31.58	22.89	25.11	0.00	0.00	0.00	0.30	0.00	122.73	-0.03	0.00	0.00	0.00	31.54	2.47	62.63	0.14	16.35	N/A	N/A	N/A	N/A
317	3.17	1.58	16.17	5.00	4.35E-007	9.48E-004	6.00	21.39	27.00	31.54	23.08	25.33	0.00	0.00	0.00	0.30	0.00	123.24	-0.03	0.00	0.00	0.00	31.59	2.42	62.29	0.14	16.36	N/A	N/A	N/A	N/A
318	3.18	1.66	16.43	5.00	5.13E-007	1.18E-003	6.00	22.50	28.00	31.48	23.57	25.93	0.00	0.00	0.00	0.30	0.00	124.54	-0.03	0.00	0.00	0.00	31.61	2.29	61.71	0.13	16.40	N/A	N/A	N/A	N/A
319	3.19	1.70	16.58	5.00	5.53E-007	1.30E-003	6.00	23.06	28.00	31.45	23.83	26.25	0.00	0.00	0.00	0.30	0.00	125.23	-0.03	0.00	0.00	0.00	31.68	2.24	61.48	0.13	16.42	N/A	N/A	N/A	N/A
320	3.20	1.75	16.96	5.00	5.96E-007	1.44E-003	6.00	23.76	28.00	31.46	24.22	26.74	0.00	0.00	0.00	0.30	0.00	126.24	-0.03	0.00	0.00	0.00	31.80	2.19	61.58	0.13	16.46	N/A	N/A	N/A	N/A
321	3.21	1.86	17.78	5.00	7.04E-007	1.81E-003	6.00	25.30	29.00	31.50	25.03	27.76	0.00	0.00	0.00	0.30	0.00	128.33	-0.03	0.00	0.00	0.00	31.94	2.08	61.86	0.13	16.54	N/A	N/A	N/A	N/A
322	3.22	1.93	18.10	5.00	7.88E-007	2.11E-003	6.00	26.28	30.00	31.48	25.47	28.31	0.00	0.00	0.00	0.30	0.00	129.45	-0.03	0.00	0.00	0.00	32.02	2.02	61.76	0.13	16.57	N/A	N/A	N/A	N/A
323	3.23	2.12	18.95	5.00	1.06E-006	3.13E-003	7.00	28.93	31.00	31.49	26.58	29.70	0.00	0.00	0.00	0.30	0.00	132.24	-0.03	0.00	0.00	0.00	32.13	1.86	61.80	0.13	16.66	N/A	N/A	N/A	N/A
324	3.24	2.25	19.23	5.00	1.30E-006	4.08E-003	7.00	30.75	32.00	31.47	27.22	30.48	0.00	0.00	0.00	0.30	0.00	133.82	-0.03	0.00	0.00	0.00	32.21	1.76	61.65	0.13	16.70	N/A	N/A	N/A	N/A
325	3.25	2.39	19.33	5.00	1.63E-006	5.43E-003	7.00	32.71	32.00	31.46	27.81	31.20	0.00	0.00	0.00	0.30	0.00	135.26	-0.03	0.00	0.00	0.00	32.29	1.67	61.50	0.13	16.73	N/A	N/A	N/A	N/A
326	3.26	2.68	20.18	5.00	2.38E-006	8.87E-003	8.00	36.57	34.00	31.60	29.18	32.92	0.00	0.00	0.00	0.30	0.00	138.56	-0.03	0.00	0.00	0.00	32.58	1.54	62.77	0.14	16.82	N/A	N/A	N/A	N/A
327	3.27	2.80	21.00	5.00	2.65E-006	1.01E-002	8.00	37.50	35.00	31.72	29.92	33.88	0.00	0.00	0.00	0.30	0.00	140.31	-0.04	0.00	0.00	0.00	32.84	1.51	63.92	0.16	16.88	N/A	N/A	N/A	N/A
328	3.28	2.95	22.86	5.00	2.86E-006	1.14E-002	9.00	39.01	36.00	31.96	31.12	35.49	0.00	0.00	0.00	0.30	0.00	143.10	-0.04	0.00	0.00	0.00	33.25	1.49	66.19	0.19	17.00	N/A	N/A	N/A	N/A
329	3.29	2.98	23.74	5.00	2.80E-006	1.13E-002	9.00	39.56	36.00	32.05	31.56	36.09	0.00	0.00	0.00	0.30	0.00	144.11	-0.04	0.00	0.00	0.00	33.47	1.49	67.02	0.20	17.05	N/A	N/A	N/A	N/A
330	3.30	2.96	26.08	5.00	2.36E-006	9.74E-003	9.00	40.53	36.00	32.25	32.34	37.21	0.00	0.00	0.00	0.30	0.00	145.87	-0.05	0.00	0.00	0.00	33.84	1.54	68.99	0.23	17.16	N/A	N/A	N/A	N/A

	In situ data								Estimations																			
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
331	3.31	2.92	27.43	5.00	2.06E-006	8.59E-003	9.00	40.97	36.00	32.36	32.69	37.72	0.00	0.00	0.00	0.30	0.00	146.65	-0.05	0.00	0.00	0.00	34.09	1.58	70.11	0.26	17.21	N/A	N/A	N/A	N/A
332	3.32	2.82	29.95	5.00	1.55E-006	6.13E-003	9.00	38.71	35.00	32.59	33.18	38.49	0.00	0.00	0.00	0.30	0.00	147.76	-0.05	0.00	0.00	0.00	34.51	1.69	72.55	0.31	17.30	N/A	N/A	N/A	N/A
333	3.33	2.75	31.44	5.00	1.30E-006	4.98E-003	9.00	37.73	35.00	32.75	33.43	38.88	0.00	0.00	0.00	0.30	0.00	148.30	-0.06	0.00	0.00	0.00	34.84	1.76	74.23	0.36	17.34	N/A	N/A	N/A	N/A
334	3.34	2.69	32.66	5.00	1.11E-006	4.17E-003	9.00	36.89	34.00	32.89	33.61	39.17	0.00	0.00	0.00	0.30	0.00	148.71	-0.06	0.00	0.00	0.00	35.14	1.83	75.76	0.41	17.38	N/A	N/A	N/A	N/A
335	3.35	2.57	34.56	5.00	8.38E-007	3.01E-003	8.00	35.21	34.00	33.15	33.75	39.44	0.00	0.00	0.00	0.30	0.00	149.01	-0.07	0.00	0.00	0.00	35.60	1.98	78.67	0.52	17.42	N/A	N/A	N/A	N/A
336	3.36	2.53	35.47	5.00	7.49E-007	2.65E-003	8.00	34.64	33.00	33.27	33.89	39.66	0.00	0.00	0.00	0.30	0.00	149.31	-0.07	0.00	0.00	0.00	35.88	2.05	80.06	0.59	17.45	N/A	N/A	N/A	N/A
337	3.37	2.47	35.91	5.00	6.63E-007	2.28E-003	8.00	33.80	33.00	33.36	33.80	39.57	0.00	0.00	0.00	0.30	0.00	149.13	-0.07	0.00	0.00	0.00	36.12	2.12	81.13	0.64	17.45	N/A	N/A	N/A	N/A
338	3.38	2.38	36.95	5.00	5.41E-007	1.79E-003	8.00	32.54	32.00	33.55	33.76	39.56	0.00	0.00	0.00	0.30	0.00	149.03	-0.07	0.00	0.00	0.00	36.50	2.26	83.43	0.66	17.47	N/A	N/A	N/A	N/A
339	3.39	2.34	37.49	5.00	4.90E-007	1.60E-003	8.00	31.98	32.00	33.65	33.77	39.60	0.00	0.00	0.00	0.30	0.00	149.06	-0.08	0.00	0.00	0.00	36.75	2.33	84.61	0.67	17.48	N/A	N/A	N/A	N/A
340	3.40	2.26	37.90	5.00	4.16E-007	1.31E-003	8.00	30.85	32.00	33.78	33.57	39.36	0.00	0.00	0.00	0.30	0.00	148.62	-0.08	0.00	0.00	0.00	37.05	2.45	86.25	0.67	17.48	N/A	N/A	N/A	N/A
341	3.41	2.23	38.02	5.00	3.90E-007	1.21E-003	8.00	30.43	31.00	33.83	33.51	39.28	0.00	0.00	0.00	0.30	0.00	148.48	-0.08	0.00	0.00	0.00	37.23	2.50	86.83	0.67	17.48	N/A	N/A	N/A	N/A
342	3.42	2.20	37.84	5.00	3.70E-007	1.13E-003	8.00	30.01	31.00	33.84	33.36	39.08	0.00	0.00	0.00	0.30	0.00	148.15	-0.08	0.00	0.00	0.00	37.37	2.55	87.02	0.67	17.47	N/A	N/A	N/A	N/A
343	3.43	2.13	36.92	5.00	3.36E-007	9.94E-004	8.00	29.03	31.00	33.83	32.82	38.37	0.00	0.00	0.00	0.30	0.00	146.96	-0.08	0.00	0.00	0.00	37.47	2.62	86.85	0.67	17.43	N/A	N/A	N/A	N/A
344	3.44	2.09	36.20	5.00	3.20E-007	9.28E-004	8.00	28.46	30.00	33.80	32.48	37.90	0.00	0.00	0.00	0.30	0.00	146.18	-0.08	0.00	0.00	0.00	37.54	2.67	86.47	0.67	17.40	N/A	N/A	N/A	N/A
345	3.45	2.03	34.71	5.00	3.03E-007	8.54E-004	7.00	27.62	30.00	33.71	31.82	37.01	0.00	0.00	0.00	0.30	0.00	144.70	-0.08	0.00	0.00	0.00	37.52	2.71	85.31	0.67	17.34	N/A	N/A	N/A	N/A
346	3.46	2.01	33.93	5.00	3.01E-007	8.38E-004	7.00	27.34	30.00	33.64	31.54	36.62	0.00	0.00	0.00	0.30	0.00	144.06	-0.08	0.00	0.00	0.00	37.54	2.72	84.47	0.67	17.31	N/A	N/A	N/A	N/A
347	3.47	1.97	31.85	5.00	3.06E-007	8.36E-004	7.00	26.78	29.00	33.44	30.79	35.58	0.00	0.00	0.00	0.30	0.00	142.34	-0.07	0.00	0.00	0.00	37.37	2.71	82.00	0.66	17.23	N/A	N/A	N/A	N/A
348	3.48	1.94	30.71	5.00	3.04E-007	8.16E-004	7.00	26.35	29.00	33.33	30.35	34.97	0.00	0.00	0.00	0.30	0.00	141.31	-0.07	0.00	0.00	0.00	37.33	2.71	80.75	0.62	17.18	N/A	N/A	N/A	N/A
349	3.49	1.92	29.98	5.00	3.01E-007	8.01E-004	7.00	26.07	29.00	33.26	30.07	34.59	0.00	0.00	0.00	0.30	0.00	140.66	-0.07	0.00	0.00	0.00	37.34	2.72	79.93	0.58	17.15	N/A	N/A	N/A	N/A
350	3.50	1.89	29.07	5.00	2.95E-007	7.72E-004	7.00	25.65	29.00	33.18	29.69	34.06	0.00	0.00	0.00	0.30	0.00	139.76	-0.07	0.00	0.00	0.00	37.34	2.74	78.99	0.54	17.11	N/A	N/A	N/A	N/A
351	3.51	1.88	28.47	5.00	2.97E-007	7.73E-004	7.00	25.51	29.00	33.11	29.49	33.78	0.00	0.00	0.00	0.30	0.00	139.29	-0.06	0.00	0.00	0.00	37.35	2.73	78.18	0.50	17.08	N/A	N/A	N/A	N/A
352	3.52	1.86	27.12	5.00	3.06E-007	7.87E-004	7.00	25.22	28.00	32.94	29.01	33.12	0.00	0.00	0.00	0.30	0.00	138.15	-0.06	0.00	0.00	0.00	37.23	2.71	76.34	0.43	17.02	N/A	N/A	N/A	N/A
353	3.53	1.86	26.42	5.00	3.17E-007	8.16E-004	7.00	25.22	28.00	32.84	28.82	32.84	0.00	0.00	0.00	0.30	0.00	137.70	-0.06	0.00	0.00	0.00	37.19	2.67	75.18	0.39	16.99	N/A	N/A	N/A	N/A
354	3.54	1.86	25.82	5.00	3.27E-007	8.42E-004	7.00	25.22	28.00	32.75	28.65	32.61	0.00	0.00	0.00	0.30	0.00	137.31	-0.06	0.00	0.00	0.00	37.17	2.65	74.18	0.36	16.97	N/A	N/A	N/A	N/A
355	3.55	1.86	24.72	5.00	3.49E-007	8.96E-004	7.00	25.22	28.00	32.58	28.33	32.14	0.00	0.00	0.00	0.30	0.00	136.52	-0.05	0.00	0.00	0.00	37.03	2.59	72.37	0.31	16.92	N/A	N/A	N/A	N/A
356	3.56	1.86	24.25	5.00	3.57E-007	9.18E-004	7.00	25.21	28.00	32.50	28.20	31.95	0.00	0.00	0.00	0.30	0.00	136.21	-0.05	0.00	0.00	0.00	37.03	2.57	71.58	0.29	16.89	N/A	N/A	N/A	N/A
357	3.57	1.87	23.84	5.00	3.73E-007	9.63E-004	7.00	25.35	28.00	32.42	28.14	31.85	0.00	0.00	0.00	0.30	0.00	136.06	-0.05	0.00	0.00	0.00	37.02	2.54	70.74	0.27	16.88	N/A	N/A	N/A	N/A
358	3.58	1.88	22.73	5.00	4.08E-007	1.06E-003	7.00	25.49	28.00	32.22	27.83	31.41	0.00	0.00	0.00	0.30	0.00	135.33	-0.05	0.00	0.00	0.00	36.85	2.47	68.77	0.23	16.82	N/A	N/A	N/A	N/A
359	3.59	1.88	22.61	5.00	4.09E-007	1.06E-003	7.00	25.49	28.00	32.20	27.82	31.38	0.00	0.00	0.00	0.30	0.00	135.29	-0.05	0.00	0.00	0.00	36.93	2.46	68.55	0.23	16.82	N/A	N/A	N/A	N/A
360	3.60	1.86	22.39	5.00	3.95E-007	1.02E-003	7.00	25.20	28.00	32.19	27.68	31.19	0.00	0.00	0.00	0.30	0.00	134.95	-0.05	0.00	0.00	0.00	37.02	2.49	68.44	0.22	16.80	N/A	N/A	N/A	N/A
361	3.61	1.86	22.29	5.00	3.96E-007	1.02E-003	7.00	25.20	28.00	32.17	27.67	31.17	0.00	0.00	0.00	0.30	0.00	134.93	-0.05	0.00	0.00	0.00	37.10	2.49	68.26	0.22	16.80	N/A	N/A	N/A	N/A
362	3.62	1.86	22.17	5.00	3.97E-007	1.02E-003	7.00	25.20	28.00	32.15	27.66	31.14	0.00	0.00	0.00	0.30	0.00	134.89	-0.04	0.00	0.00	0.00	37.17	2.49	68.03	0.22	16.79	N/A	N/A	N/A	N/A
363	3.63	1.87	22.10	5.00	4.05E-007	1.05E-003	7.00	25.34	28.00	32.12	27.70	31.19	0.00	0.00	0.00	0.30	0.00	135.01	-0.04	0.00	0.00	0.00	37.24	2.47	67.76	0.21	16.79	N/A	N/A	N/A	N/A
364	3.64	1.92	22.10	5.00	4.48E-007	1.19E-003	7.00	26.04	28.00	32.05	27.95	31.49	0.00	0.00	0.00	0.30	0.00	135.61	-0.04	0.00	0.00	0.00	37.24	2.39	67.09	0.20	16.80	N/A	N/A	N/A	N/A
365	3.65	1.95	22.29	5.00	4.68E-007	1.26E-003	7.00	26.45	28.00	32.04	28.17	31.77	0.00	0.00	0.00	0.30	0.00	136.15	-0.04	0.00	0.00	0.00	37.33	2.36	66.99	0.20	16.81	N/A	N/A	N/A	N/A
366	3.66	1.99	22.80	5.00	4.88E-007	1.34E-003	7.00	27.01	29.00	32.07	28.55	32.26	0.00	0.00	0.00	0.30	0.00	137.06	-0.04	0.00	0.00	0.00	37.48	2.33	67.29	0.20	16.85	N/A	N/A	N/A	N/A
367	3.67	2.07	23.08	5.00	5.59E-007	1.60E-003	7.00	28.13	29.00	32.02	29.02	32.84	0.00	0.00	0.00	0.30	0.00	138.17	-0.04	0.00	0.00	0.00	37.51	2.23	66.80	0.20	16.88	N/A	N/A	N/A	N/A
368	3.68	2.11	23.24	5.00	5.94E-007	1.74E-003	7.00	28.69	29.00	32.00	29.27	33.16	0.00	0.00	0.00	0.30	0.00	138.76	-0.04	0.00	0.00	0.00	37.59	2.19	66.60	0.19	16.89	N/A	N/A	N/A	N/A
369	3.69	2.15	23.40	5.00	6.30E-007	1.88E-003	7.00	29.24	30.00	31.99	29.51	33.47	0.00	0.00	0.00	0.30	0.00	139.35	-0.04	0.00	0.00	0.00	37.67	2.15	66.42	0.19	16.91	N/A	N/A	N/A	N/A
370	3.70	2.21	24.09	5.00	6.70E-007	2.06E-003	7.00	30.08	30.00	32.03	30.02	34.14	0.00	0.00	0.00	0.30	0.00	140.55	-0.04	0.00	0.00	0.00	37.84	2.12	66.83	0.20	16.95	N/A	N/A	N/A	N/A
371	3.71	2.21	24.44	5.00	6.52E-007	2.00E-003	7.00	30.08	30.00	32.07	30.17	34.34	0.00	0.00	0.00	0.30	0.00	140.90	-0.04	0.00	0.00	0.00	38.01	2.13	67.28	0.20	16.97	N/A	N/A	N/A	N/A
372	3.72	2.17	25.92	5.00	5.50E-007	1.65E-003	7.00	29.52	30.00	32.32	30.54	34.88	0.00	0.00	0.00	0.30	0.00	141.75	-0.05	0.00	0.00	0.00	38.48	2.25	69.72	0.25	17.03	N/A	N/A	N/A	N/A
373	3.73	2.14	26.89	5.00	4.88E-007	1.45E-003	7.00	29.09	30.00	32.48	30.76	35.21	0.00	0.00	0.00	0.30	0.00	142.26	-0.05	0.00	0.00	0.00	38.84	2.33	71.41	0.29	17.07	N/A	N/A	N/A	N/A
374	3.74	2.11	27.81	5.00	4.34E-007	1.27E-003	7.00	28.67	29.00	32.64	30.96	35.50	0.00	0.00	0.00	0.30	0.00	142.72	-0.06	0.00	0.00	0.00	39.18	2.42	73.08	0.33	17.10	N/A	N/A	N/A	N/A
375	3.75	2.00	30.02	5.00	3.07E-007	8.48E-004	7.00	27.13	29.00	33.08	31.19	35.92	0.00	0.00	0.00	0.30	0.00	143.26	-0.06	0.00	0.00	0.00	39.96	2.70	77.89	0.49	17.17	N/A	N/A	N/A	N/A
376	3.76	1.93	31.66	5.00	2.41E-007	6.43E-004	7.00	26.15	28.00	33.40	31.39	36.25	0.00	0.00	0.00	0.30	0.00	143.72	-0.07	0.00	0.00	0.00	40.55	2.92	81.53	0.66	17.21	N/A	N/A	N/A	N/A
377	3.77	1.84	35.31	4.00	1.64E-007	4.16E-004	7.00	24.88	0.00	0.00	0.00	37.22	15.00	118.50	1.92	0.30	8.02	145.19	0.00	1.00	3.52	0.00	118.50	3.32	88.83	0.58	17.32	N/A	N/A	N/A	N/A
378	3.78	1.82	37.49	4.00	1.41E-007	3.53E-004	7.00	24.60	0.00	0.00	0.00	37.97	15.00	117.15	1.89	0.30	7.95	146.37	0.00	1.00	3.28	0.00	117.15	3.49	92.55	0.58	17.39	N/A	N/A	N/A	N/A
379	3.79	1.81	39.70	4.00	1.24E-007	3.09E-004	7.00	24.46	0.00	0.00	0.00	38.78	15.00	116.47	1.88	0.30	7.91	147.64	0.00	1.00	3.08	0.00	116.47	3.64	96.07	0.58	17.45	N/A	N/A	N/A	N/A
380	3.80	1.87	44.90	4.00	1.14E-007	2.93E-004	7.00	25.30	0.00	0.00	0.00	41.10	15.00	120.46	1.94	0.30	8.18	151.34	0.00	1.00	2.82	0.00	120.46	3.75	102.23	0.58	17.60	N/A	N/A	N/A	N/A
381	3.81	1.93	48.02	4.00	1.14E-007	3.04E-004	8.00	26.14	0.00	0.00	0.00	42.63	15.00	124.46	1.99	0.30	8.43	153.75	0.00	1.00	2.72	0.00	124.46	3.74	105.15	0.58	17.69	N/A	N/A	N/A	N/A
382	3.82	2.10	53.66	4.00	1.32E-007	3.84E-004	8.00	28.51	0.00	0.00	0.00	45.73	15.00	135.78	2.17	0.30	9.14	158.51	0.00	1.00	2.66	0.00	135.78	3.57	108.73	0.58	17.85	N/A	N/A	N/A	N/A
383	3.83	2.16	56.50	4.00	1.34E-007	4.01E-004	8.00	29.35	0.00	0.00	0.00	47.11	15.00	139.75	2.23	0.30	9.38	160.57	0.00	1.00	2.60	0.00	139.75	3.55	110.98	0.58	17.92	N/A	N/A	N/A	N/A
384	3.84	2.21	61.61	4.00	1.25E-007	3.83E-004	9.00	30.04	0.00	0.00	0.00	49.14	15.00	143.07	2.27	0.30	9.60	163.51	0.00	1.00	2.44	0.00	143.07	3.63	116.22	0.58	18.03	N/A	N/A	N/A	N/A
385	3.85	2.18	63.69	4.00	1.10E-007	3.33E-004	9.00	29.62	0.00	0.00	0.00	49.65	15.00	141.05	2.24	0.30	9.47	164.19	0.00	1.00	2.33	0.00	141.05	3.78	119.46	0.58	18.06	N/A	N/A	N/A	N/A
386	3.86	2.15	64.60	4.00	1.01E-007	3.00E-004	9.00	29.20	0.00	0.00	0.00	49.77	15.00	139.04	2.20	0.30	9.33	164.35	0.00	1.00	2.26	0.00	139.04	3.90	121.27	0.58	18.08	N/A	N/A	N/A	N/A
387	3.87	2.07	66.21	4.00	8.17E-008	2.34E-004	8.00	28.08	0.00	0.00	0.00	49.76	15.00	133.70	2.11	0.30	9.00	164.26	0.00	1.00	2.12	0.00	133.70	4.17	125.23	0.58	18.09	N/A	N/A	N/A	N/A
388	3.88	2.02	67.60	4.00	7.05E-008	1.97E-004	8.00	27.37	0.00	0.00	0.00	49.86	15.00	130.35	2.05	0.30	8.79	164.37	0.00	1.00	2.02	0.00	130.35	4.38	128.21	0.58	18.10	N/A	N/A	N/A	N/A
389	3.89	1.98	70.69	4.00	5.92E-008	1.62E-004	8.00	26.81	0.00	0.00	0.00	50.53	15.00	127.67	2.00	0.30	8.62	165.27	0.00	1.00	1.90	0.00	127.67	4.63	133.06	0.58	18.15	N/A	N/A	N/A	N/A
390	3.90	1.98	72.08	4.00	5.67E-008	1.55E-004	8.00	26.81	0.00	0.00	0.00	50.98	15.00	127.66	1.99	0.30	8.61	165.91	0.00	1.00	1.86	0.00	127.66	4.69	134.68	0.58	18.17	N/A	N/A	N/A	N/A
391	3.91	1.98	73.56	4.00	5.42E-008	1.48E-004	8.00	26.81	0.00	0.00	0.00	51.46	15.00	127.65	1.99	0.30	8.60	166.57	0.00	1.00	1.82	0.00	127.65	4.76	136.41	0.58	18.19	N/A	N/A	N/A	N/A
392	3.92	1.98	73.56	4.00	5.39E-008	1.47E-004	8.00	26.80	0.00	0.00	0.00	51.51	15.00	127.64	1.98	0.30	8.57	166.65	0.00	1.00	1.82	0.00	127.64	4.77	136.32	0.58	18.19	N/A	N/A	N/A	N/A
393	3.93	1.98	73.56	4.00	5.36E-008	1.46E-004	8.00	26.80	0.00	0.00	0.00	51.56	15.00	127.62	1.98	0.30	8.55	166.73	0.00	1.00	1.82	0.00	127.62	4.78	136.23	0.58	18.19	N/A	N/A	N/A	N/A
394	3.94	2.13	73.97	4.00	7.16E-008	2.11E-004	9.00	28.90	0.00	0.00	0.00	52.85	15.00	137.62	2.13	0.30	9.13	168.65	0.00	1.00	1.95	0.00	137.62	4.35	132.59	0.58	18.23	N/A	N/A	N/A	N/A
395	3.95	2.13	73.97	4.00	7.12E-008	2.10E-004	9.00	28.90	0.00	0.00	0.00	52.90	15.00	137.60	2.12	0.30	9.11	168.73	0.00	1.00	1.95	0.00	137.60	4.36	132.51	0.58	18.23	N/A	N/A	N/A	N/A
396	3.96	1.95	76.33	4.00	4.60E-008	1.24E-004	8.00	26.37	0.00	0.00	0.00	52.27	15.00	125.59	1.93	0.30	8.38	167.70	0.00	1.00	1.73	0.00	125.59	5.01	140.14	0.58	18.23	N/A	N/A	N/A	N/A

	In situ data								Estimations																					
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
397	3.97	1.87	84.18	3.00	3.16E-008	8.12E-005	8.00	25.24	0.00	0.00	0.00	53.81	15.00	120.17	1.84	0.30	8.07	169.72	0.00	1.00	1.50	0.00	120.17	5.64	151.66	0.58	18.33	N/A	N/A	N/A	N/A
398	3.98	1.86	85.38	3.00	2.98E-008	7.62E-005	8.00	25.09	0.00	0.00	0.00	54.09	15.00	119.46	1.82	0.30	8.02	170.10	0.00	1.00	1.47	0.00	119.46	5.74	153.26	0.58	18.34	N/A	N/A	N/A	N/A
399	3.99	1.83	86.52	3.00	2.69E-008	6.76E-005	8.00	24.66	0.00	0.00	0.00	54.19	15.00	117.42	1.79	0.30	7.88	170.20	0.00	1.00	1.42	0.00	117.42	5.92	155.35	0.58	18.35	N/A	N/A	N/A	N/A
400	4.00	1.79	88.41	3.00	2.33E-008	5.72E-005	8.00	24.09	0.00	0.00	0.00	54.38	15.00	114.70	1.74	0.30	7.70	170.42	0.00	1.00	1.36	0.00	114.70	6.18	158.61	0.58	18.37	N/A	N/A	N/A	N/A
401	4.01	1.78	88.66	3.00	2.25E-008	5.49E-005	8.00	23.94	0.00	0.00	0.00	54.40	15.00	114.01	1.73	0.30	7.64	170.46	0.00	1.00	1.35	0.00	114.01	6.25	159.07	0.58	18.37	N/A	N/A	N/A	N/A
402	4.02	1.75	88.66	3.00	2.07E-008	4.97E-005	8.00	23.51	0.00	0.00	0.00	54.18	15.00	111.94	1.69	0.30	7.50	170.14	0.00	1.00	1.33	0.00	111.94	6.40	159.86	0.58	18.36	N/A	N/A	N/A	N/A
403	4.03	1.73	88.85	3.00	1.95E-008	4.63E-005	8.00	23.22	0.00	0.00	0.00	54.10	15.00	110.59	1.67	0.30	7.40	170.02	0.00	1.00	1.31	0.00	110.59	6.51	160.55	0.58	18.36	N/A	N/A	N/A	N/A
404	4.04	1.71	89.61	3.00	1.82E-008	4.26E-005	8.00	22.94	0.00	0.00	0.00	54.16	15.00	109.26	1.64	0.30	7.30	170.10	0.00	1.00	1.28	0.00	109.26	6.65	161.87	0.58	18.36	N/A	N/A	N/A	N/A
405	4.05	1.71	89.77	3.00	1.80E-008	4.22E-005	8.00	22.95	0.00	0.00	0.00	54.26	15.00	109.26	1.64	0.30	7.28	170.24	0.00	1.00	1.28	0.00	109.26	6.67	161.91	0.58	18.37	N/A	N/A	N/A	N/A
406	4.06	1.71	89.42	3.00	1.81E-008	4.23E-005	8.00	22.95	0.00	0.00	0.00	54.23	15.00	109.29	1.63	0.30	7.26	170.21	0.00	1.00	1.28	0.00	109.29	6.66	161.36	0.58	18.36	N/A	N/A	N/A	N/A
407	4.07	1.73	89.32	3.00	1.90E-008	4.49E-005	8.00	23.23	0.00	0.00	0.00	54.44	15.00	110.63	1.65	0.30	7.33	170.53	0.00	1.00	1.30	0.00	110.63	6.57	160.51	0.58	18.36	N/A	N/A	N/A	N/A
408	4.08	1.73	88.03	3.00	1.94E-008	4.59E-005	8.00	23.23	0.00	0.00	0.00	54.16	15.00	110.63	1.64	0.30	7.30	170.18	0.00	1.00	1.32	0.00	110.63	6.53	158.91	0.58	18.35	N/A	N/A	N/A	N/A
409	4.09	1.73	87.50	3.00	1.95E-008	4.62E-005	8.00	23.23	0.00	0.00	0.00	54.08	15.00	110.62	1.64	0.30	7.28	170.08	0.00	1.00	1.33	0.00	110.62	6.52	158.18	0.58	18.34	N/A	N/A	N/A	N/A
410	4.10	1.72	86.80	3.00	1.92E-008	4.52E-005	8.00	23.08	0.00	0.00	0.00	53.86	15.00	109.93	1.62	0.30	7.22	169.78	0.00	1.00	1.33	0.00	109.93	6.55	157.55	0.58	18.33	N/A	N/A	N/A	N/A
411	4.11	1.71	86.68	3.00	1.87E-008	4.37E-005	8.00	22.94	0.00	0.00	0.00	53.79	15.00	109.26	1.61	0.30	7.16	169.69	0.00	1.00	1.32	0.00	109.26	6.60	157.57	0.58	18.33	N/A	N/A	N/A	N/A
412	4.12	1.69	86.42	3.00	1.78E-008	4.11E-005	8.00	22.67	0.00	0.00	0.00	53.59	15.00	107.93	1.59	0.30	7.07	169.41	0.00	1.00	1.31	0.00	107.93	6.70	157.72	0.58	18.32	N/A	N/A	N/A	N/A
413	4.13	1.65	86.23	3.00	1.60E-008	3.61E-005	8.00	22.10	0.00	0.00	0.00	53.22	15.00	105.24	1.54	0.30	6.89	168.88	0.00	1.00	1.28	0.00	105.24	6.91	158.54	0.58	18.31	N/A	N/A	N/A	N/A
414	4.14	1.62	86.39	3.00	1.47E-008	3.24E-005	8.00	21.68	0.00	0.00	0.00	53.03	15.00	103.23	1.51	0.30	6.75	168.60	0.00	1.00	1.25	0.00	103.23	7.09	159.45	0.58	18.30	N/A	N/A	N/A	N/A
415	4.15	1.60	86.71	3.00	1.37E-008	3.00E-005	8.00	21.40	0.00	0.00	0.00	52.97	15.00	101.90	1.49	0.30	6.66	168.51	0.00	1.00	1.23	0.00	101.90	7.22	160.25	0.58	18.30	N/A	N/A	N/A	N/A
416	4.16	1.58	87.09	3.00	1.28E-008	2.76E-005	8.00	21.12	0.00	0.00	0.00	52.93	15.00	100.55	1.46	0.30	6.56	168.44	0.00	1.00	1.21	0.00	100.55	7.37	161.11	0.58	18.30	N/A	N/A	N/A	N/A
417	4.17	1.54	87.94	3.00	1.12E-008	2.34E-005	8.00	20.55	0.00	0.00	0.00	52.80	15.00	97.86	1.42	0.30	6.39	168.23	0.00	1.00	1.17	0.00	97.86	7.66	163.10	0.58	18.30	N/A	N/A	N/A	N/A
418	4.18	1.52	88.50	3.00	1.03E-008	2.13E-005	8.00	20.27	0.00	0.00	0.00	52.82	15.00	96.50	1.40	0.30	6.28	168.26	0.00	1.00	1.14	0.00	96.50	7.84	164.06	0.58	18.30	N/A	N/A	N/A	N/A
419	4.19	1.50	88.72	3.00	9.61E-009	1.96E-005	7.00	19.98	0.00	0.00	0.00	52.75	15.00	95.13	1.37	0.30	6.18	168.16	0.00	1.00	1.13	0.00	95.13	8.00	164.65	0.58	18.30	N/A	N/A	N/A	N/A
420	4.20	1.46	88.57	3.00	8.47E-009	1.68E-005	7.00	19.41	0.00	0.00	0.00	52.40	15.00	92.43	1.33	0.30	5.98	167.65	0.00	1.00	1.10	0.00	92.43	8.29	165.31	0.58	18.29	N/A	N/A	N/A	N/A
421	4.21	1.44	88.09	3.00	8.01E-009	1.56E-005	7.00	19.13	0.00	0.00	0.00	52.15	15.00	91.11	1.31	0.30	5.88	167.30	0.00	1.00	1.09	0.00	91.11	8.42	165.11	0.58	18.28	N/A	N/A	N/A	N/A
422	4.22	1.45	87.65	3.00	8.30E-009	1.63E-005	7.00	19.27	0.00	0.00	0.00	52.19	15.00	91.78	1.31	0.30	5.91	167.37	0.00	1.00	1.10	0.00	91.78	8.33	164.23	0.58	18.28	N/A	N/A	N/A	N/A
423	4.23	1.46	87.21	3.00	8.60E-009	1.70E-005	7.00	19.41	0.00	0.00	0.00	52.22	15.00	92.44	1.32	0.30	5.94	167.43	0.00	1.00	1.11	0.00	92.44	8.25	163.35	0.58	18.27	N/A	N/A	N/A	N/A
424	4.24	1.53	86.20	3.00	1.08E-008	2.25E-005	8.00	20.39	0.00	0.00	0.00	52.63	15.00	97.09	1.38	0.30	6.22	168.07	0.00	1.00	1.18	0.00	97.09	7.74	160.39	0.58	18.28	N/A	N/A	N/A	N/A
425	4.25	1.57	85.67	3.00	1.22E-008	2.60E-005	8.00	20.94	0.00	0.00	0.00	52.92	15.00	99.74	1.42	0.30	6.36	168.52	0.00	1.00	1.22	0.00	99.74	7.48	158.59	0.58	18.28	N/A	N/A	N/A	N/A
426	4.26	1.62	84.97	3.00	1.42E-008	3.13E-005	8.00	21.66	0.00	0.00	0.00	53.28	15.00	103.16	1.46	0.30	6.55	169.09	0.00	1.00	1.27	0.00	103.16	7.16	156.24	0.58	18.28	N/A	N/A	N/A	N/A
427	4.27	1.72	81.60	3.00	1.97E-008	4.64E-005	8.00	23.07	0.00	0.00	0.00	53.36	15.00	109.87	1.55	0.30	6.91	169.31	0.00	1.00	1.41	0.00	109.87	6.49	149.54	0.58	18.26	N/A	N/A	N/A	N/A
428	4.28	1.78	78.13	3.00	2.48E-008	6.04E-005	8.00	23.91	0.00	0.00	0.00	52.97	15.00	113.86	1.60	0.30	7.11	168.87	0.00	1.00	1.53	0.00	113.86	6.07	143.83	0.58	18.22	N/A	N/A	N/A	N/A
429	4.29	1.90	70.94	4.00	3.92E-008	1.02E-004	8.00	25.59	0.00	0.00	0.00	51.91	15.00	121.85	1.71	0.30	7.53	167.57	0.00	1.00	1.80	0.00	121.85	5.27	132.20	0.58	18.14	N/A	N/A	N/A	N/A
430	4.30	1.94	67.63	4.00	4.67E-008	1.24E-004	8.00	26.15	0.00	0.00	0.00	51.26	15.00	124.50	1.75	0.30	7.65	166.73	0.00	1.00	1.93	0.00	124.50	4.99	127.17	0.58	18.09	N/A	N/A	N/A	N/A
431	4.31	1.96	64.45	4.00	5.32E-008	1.43E-004	8.00	26.42	0.00	0.00	0.00	50.46	15.00	125.82	1.76	0.30	7.69	165.66	0.00	1.00	2.05	0.00	125.82	4.79	122.79	0.58	18.04	N/A	N/A	N/A	N/A
432	4.32	1.95	59.02	4.00	6.10E-008	1.63E-004	8.00	26.28	0.00	0.00	0.00	48.68	15.00	125.15	1.75	0.30	7.61	163.17	0.00	1.00	2.23	0.00	125.15	4.58	116.32	0.58	17.93	N/A	N/A	N/A	N/A
433	4.33	1.94	56.75	4.00	6.39E-008	1.70E-004	8.00	26.14	0.00	0.00	0.00	47.89	15.00	124.47	1.73	0.30	7.55	162.06	0.00	1.00	2.30	0.00	124.47	4.52	113.67	0.58	17.89	N/A	N/A	N/A	N/A
434	4.34	1.93	54.99	4.00	6.59E-008	1.75E-004	8.00	26.00	0.00	0.00	0.00	47.26	15.00	123.79	1.72	0.30	7.49	161.17	0.00	1.00	2.36	0.00	123.79	4.47	111.63	0.58	17.85	N/A	N/A	N/A	N/A
435	4.35	1.91	50.86	4.00	7.23E-008	1.89E-004	8.00	25.71	0.00	0.00	0.00	45.73	15.00	122.44	1.70	0.30	7.38	158.94	0.00	1.00	2.53	0.00	122.44	4.34	106.74	0.58	17.76	N/A	N/A	N/A	N/A
436	4.36	1.90	48.81	4.00	7.58E-008	1.97E-004	8.00	25.57	0.00	0.00	0.00	44.96	15.00	121.77	1.68	0.30	7.31	157.83	0.00	1.00	2.62	0.00	121.77	4.28	104.24	0.58	17.71	N/A	N/A	N/A	N/A
437	4.37	1.91	44.17	4.00	9.22E-008	2.42E-004	8.00	25.71	0.00	0.00	0.00	43.35	15.00	122.42	1.69	0.30	7.31	155.48	0.00	1.00	2.91	0.00	122.42	4.01	97.79	0.58	17.59	N/A	N/A	N/A	N/A
438	4.38	1.91	42.44	4.00	9.84E-008	2.58E-004	8.00	25.71	0.00	0.00	0.00	42.73	15.00	122.41	1.68	0.30	7.29	154.55	0.00	1.00	3.03	0.00	122.41	3.93	95.41	0.58	17.55	N/A	N/A	N/A	N/A
439	4.39	1.94	38.78	4.00	1.22E-007	3.26E-004	8.00	26.12	0.00	0.00	0.00	41.51	15.00	124.40	1.71	0.30	7.36	152.75	0.00	1.00	3.37	0.00	124.40	3.66	89.72	0.58	17.45	N/A	N/A	N/A	N/A
440	4.40	1.94	37.49	4.00	1.29E-007	3.44E-004	8.00	26.12	0.00	0.00	0.00	41.01	15.00	124.39	1.70	0.30	7.34	152.01	0.00	1.00	3.48	0.00	124.39	3.59	87.90	0.58	17.41	N/A	N/A	N/A	N/A
441	4.41	1.94	36.64	4.00	1.34E-007	3.56E-004	8.00	26.12	0.00	0.00	0.00	40.69	15.00	124.37	1.70	0.30	7.32	151.54	0.00	1.00	3.56	0.00	124.37	3.55	86.68	0.58	17.38	N/A	N/A	N/A	N/A
442	4.42	1.94	36.80	4.00	1.32E-007	3.51E-004	8.00	26.12	0.00	0.00	0.00	40.79	15.00	124.36	1.69	0.30	7.30	151.70	0.00	1.00	3.55	0.00	124.36	3.57	86.87	0.58	17.39	N/A	N/A	N/A	N/A
443	4.43	1.94	37.05	4.00	1.30E-007	3.45E-004	8.00	26.11	0.00	0.00	0.00	40.93	15.00	124.35	1.69	0.30	7.29	151.93	0.00	1.00	3.52	0.00	124.35	3.59	87.19	0.58	17.40	N/A	N/A	N/A	N/A
444	4.44	1.93	38.21	4.00	1.20E-007	3.17E-004	8.00	25.97	0.00	0.00	0.00	41.38	15.00	123.68	1.68	0.30	7.25	152.62	0.00	1.00	3.40	0.00	123.68	3.68	88.97	0.58	17.43	N/A	N/A	N/A	N/A
445	4.45	1.92	39.54	4.00	1.10E-007	2.89E-004	8.00	25.83	0.00	0.00	0.00	41.90	15.00	123.00	1.66	0.30	7.20	153.39	0.00	1.00	3.27	0.00	123.00	3.79	90.98	0.58	17.47	N/A	N/A	N/A	N/A
446	4.46	1.91	41.18	4.00	9.95E-008	2.61E-004	8.00	25.69	0.00	0.00	0.00	42.52	15.00	122.32	1.65	0.30	7.16	154.34	0.00	1.00	3.12	0.00	122.32	3.91	93.40	0.58	17.51	N/A	N/A	N/A	N/A
447	4.47	1.94	45.40	4.00	8.90E-008	2.37E-004	8.00	26.10	0.00	0.00	0.00	44.39	15.00	124.31	1.67	0.30	7.27	157.16	0.00	1.00	2.87	0.00	124.31	4.06	98.41	0.58	17.63	N/A	N/A	N/A	N/A
448	4.48	1.96	47.01	4.00	8.69E-008	2.34E-004	8.00	26.38	0.00	0.00	0.00	45.17	15.00	125.61	1.69	0.30	7.34	158.33	0.00	1.00	2.81	0.00	125.61	4.09	100.06	0.58	17.67	N/A	N/A	N/A	N/A
449	4.49	2.07	51.20	4.00	9.33E-008	2.65E-004	8.00	27.90	0.00	0.00	0.00	47.48	15.00	132.86	1.78	0.30	7.74	161.79	0.00	1.00	2.72	0.00	132.86	4.00	103.07	0.58	17.79	N/A	N/A	N/A	N/A
450	4.50	2.12	53.03	4.00	9.64E-008	2.81E-004	9.00	28.60	0.00	0.00	0.00	48.51	15.00	136.18	1.82	0.30	7.91	163.31	0.00	1.00	2.70	0.00	136.18	3.95	104.24	0.58	17.84	N/A	N/A	N/A	N/A
451	4.51	2.18	54.80	4.00	1.02E-007	3.05E-004	9.00	29.44	0.00	0.00	0.00	49.58	15.00	140.17	1.87	0.30	8.12	164.88	0.00	1.00	2.69	0.00	140.17	3.89	105.11	0.58	17.89	N/A	N/A	N/A	N/A
452	4.52	2.22	56.72	4.00	1.03E-007	3.14E-004	9.00	29.99	0.00	0.00	0.00	50.57	15.00	142.82	1.90	0.30	8.25	166.29	0.00	1.00	2.64	0.00	142.82	3.87	106.54	0.58	17.94	N/A	N/A	N/A	N/A
453	4.53	2.23	59.91	4.00	9.41E-008	2.89E-004	9.00	30.13	0.00	0.00	0.00	51.79	15.00	143.47	1.90	0.30	8.28	167.99	0.00	1.00	2.51	0.00	143.47	3.99	110.05	0.58	18.00	N/A	N/A	N/A	N/A
454	4.54	2.23	61.61	4.00	8.89E-008	2.73E-004	9.00	30.13	0.00	0.00	0.00	52.42	15.00	143.46	1.90	0.30	8.27	168.86	0.00	1.00	2.44	0.00	143.46	4.06	111.97	0.58	18.04	N/A	N/A	N/A	N/A
455	4.55	2.23	63.15	4.00	8.44E-008	2.59E-004	9.00	30.12	0.00	0.00	0.00	52.99	15.00	143.44	1.89	0.30	8.26	169.63	0.00	1.00	2.39	0.00	143.44	4.13	113.70	0.58	18.06	N/A	N/A	N/A	N/A
456	4.56	2.21	66.24	4.00	7.39E-008	2.25E-004	9.00	29.84	0.00	0.00	0.00	53.93	15.00	142.10	1.87	0.30	8.18	170.89	0.00	1.00	2.25	0.00	142.10	4.31	117.60	0.58	18.12	N/A	N/A	N/A	N/A
457	4.57	2.18	67.16	4.00	6.75E-008	2.03E-004	9.00	29.42	0.00	0.00	0.00	54.07	15.00	140.09	1.84	0.30	8.06	171.06	0.00	1.00	2.19	0.00	140.09	4.44	119.25	0.58	18.13	N/A	N/A	N/A	N/A
458	4.58	2.15	67.06	4.00	6.35E-008	1.88E-004	9.00	29.00	0.00	0.00	0.00	53.87	15.00	138.08	1.81	0.30	7.94	170.78	0.00	1.00	2.16	0.00	138.08	4.53	119.74	0.58	18.12	N/A	N/A	N/A	N/A
459	4.59	2.14	66.24	4.00	6.34E-008	1.86E-004	9.00	28.85	0.00	0.00	0.00	53.57	15.00	137.40	1.80	0.30	7.88	170.39	0.00	1.00	2.18	0.00	137.40	4.53	118.98	0.58	18.10	N/A	N/A	N/A	N/A
460	4.60	2.13	65.14	4.00	6.38E-008	1.87E-004	9.00	28.71	0.00	0.00	0.00	53.19	15.00	136.73	1.78	0.30	7.82	169.87	0.00	1.00	2.20	0.00	136.73	4.52	117.88	0.58	18.08	N/A	N/A	N/A	N/A
461	4.61	2.13	63.00	4.00	6.76E-008	1.98E-004	9.00	28.71	0.00	0.00	0.00	52.52	15.00	136.72	1.78	0.30	7.80	168.98	0.00	1.00	2.28	0.00	136.72	4.44	115.37	0.58	18.04	N/A	N/A	N/A	N/A
462	4.62	2.10	61.10	4.00	6.70E-008	1.93E-004	9.00	28.29	0.00	0.00	0.00	51.71	15.00	134.70	1.75	0.30	7.67	167.86	0.00	1.00	2.31	0.00	134.70	4.45	113.76	0.58	18.00	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
463	4.63	2.09	59.56	4.00	6.85E-008	1.97E-004	9.00	28.15	0.00	0.00	0.00	51.16	15.00	134.03	1.74	0.30	7.61	167.11	0.00	1.00	2.36	0.00	134.03	4.42	112.12	0.58	17.97	N/A	N/A	N/A	N/A
464	4.64	2.07	57.73	4.00	6.93E-008	1.97E-004	9.00	27.86	0.00	0.00	0.00	50.43	15.00	132.68	1.71	0.30	7.52	166.09	0.00	1.00	2.41	0.00	132.68	4.40	110.34	0.58	17.93	N/A	N/A	N/A	N/A
465	4.65	2.06	53.35	4.00	7.81E-008	2.21E-004	8.00	27.72	0.00	0.00	0.00	48.84	15.00	132.00	1.70	0.30	7.45	163.89	0.00	1.00	2.60	0.00	132.00	4.24	105.23	0.58	17.84	N/A	N/A	N/A	N/A
466	4.66	2.06	51.30	4.00	8.34E-008	2.36E-004	8.00	27.72	0.00	0.00	0.00	48.13	15.00	131.99	1.70	0.30	7.43	162.90	0.00	1.00	2.70	0.00	131.99	4.15	102.67	0.58	17.79	N/A	N/A	N/A	N/A
467	4.67	2.07	49.44	4.00	9.06E-008	2.57E-004	8.00	27.86	0.00	0.00	0.00	47.54	15.00	132.65	1.70	0.30	7.44	162.08	0.00	1.00	2.82	0.00	132.65	4.04	100.13	0.58	17.75	N/A	N/A	N/A	N/A
468	4.68	2.13	45.06	4.00	1.20E-007	3.52E-004	8.00	28.69	0.00	0.00	0.00	46.27	15.00	136.64	1.75	0.30	7.62	160.34	0.00	1.00	3.18	0.00	136.64	3.68	93.45	0.58	17.66	N/A	N/A	N/A	N/A
469	4.69	2.15	42.85	4.00	1.36E-007	4.02E-004	8.00	28.97	0.00	0.00	0.00	45.55	15.00	137.96	1.76	0.30	7.67	159.32	0.00	1.00	3.38	0.00	137.96	3.53	90.25	0.58	17.60	N/A	N/A	N/A	N/A
470	4.70	2.20	39.03	4.00	1.76E-007	5.32E-004	8.00	29.67	0.00	0.00	0.00	44.29	15.00	141.28	1.80	0.30	7.81	157.54	0.00	1.00	3.80	0.00	141.28	3.25	84.49	0.58	17.50	N/A	N/A	N/A	N/A
471	4.71	2.21	37.49	4.00	1.91E-007	5.81E-004	8.00	29.81	0.00	0.00	0.00	43.71	15.00	141.93	1.81	0.30	7.82	156.72	0.00	1.00	3.98	0.00	141.93	3.16	82.32	0.58	17.46	N/A	N/A	N/A	N/A
472	4.72	2.22	35.47	5.00	2.13E-007	6.50E-004	8.00	29.94	27.00	33.22	36.77	42.91	0.00	0.00	0.00	0.30	0.00	155.54	-0.07	0.00	0.00	0.00	51.61	3.05	79.53	0.56	17.40	N/A	N/A	N/A	N/A
473	4.73	2.21	35.06	5.00	2.12E-007	6.45E-004	8.00	29.80	27.00	33.19	36.63	42.70	0.00	0.00	0.00	0.30	0.00	155.23	-0.07	0.00	0.00	0.00	51.65	3.05	79.13	0.54	17.38	N/A	N/A	N/A	N/A
474	4.74	2.18	34.97	5.00	2.00E-007	5.99E-004	8.00	29.38	27.00	33.22	36.49	42.52	0.00	0.00	0.00	0.30	0.00	154.95	-0.07	0.00	0.00	0.00	51.82	3.11	79.44	0.56	17.38	N/A	N/A	N/A	N/A
475	4.75	2.16	34.78	4.00	1.93E-007	5.73E-004	8.00	29.10	0.00	0.00	0.00	42.36	15.00	138.56	1.75	0.30	7.58	154.69	0.00	1.00	4.18	0.00	138.56	3.15	79.48	0.56	17.37	N/A	N/A	N/A	N/A
476	4.76	2.14	34.65	4.00	1.86E-007	5.46E-004	8.00	28.81	0.00	0.00	0.00	42.22	15.00	137.21	1.73	0.30	7.49	154.47	0.00	1.00	4.16	0.00	137.21	3.19	79.60	0.56	17.36	N/A	N/A	N/A	N/A
477	4.77	2.10	34.75	4.00	1.70E-007	4.90E-004	8.00	28.25	0.00	0.00	0.00	42.06	15.00	134.53	1.69	0.30	7.34	154.21	0.00	1.00	4.07	0.00	134.53	3.28	80.35	0.58	17.35	N/A	N/A	N/A	N/A
478	4.78	2.10	34.65	4.00	1.70E-007	4.90E-004	8.00	28.25	0.00	0.00	0.00	42.05	15.00	134.52	1.69	0.30	7.33	154.20	0.00	1.00	4.08	0.00	134.52	3.28	80.19	0.58	17.35	N/A	N/A	N/A	N/A
479	4.79	2.11	34.56	4.00	1.73E-007	5.02E-004	8.00	28.39	0.00	0.00	0.00	42.10	15.00	135.18	1.69	0.30	7.35	154.30	0.00	1.00	4.11	0.00	135.18	3.26	79.89	0.58	17.35	N/A	N/A	N/A	N/A
480	4.80	2.14	34.40	4.00	1.85E-007	5.42E-004	8.00	28.80	0.00	0.00	0.00	42.24	15.00	137.17	1.71	0.30	7.44	154.54	0.00	1.00	4.19	0.00	137.17	3.19	79.18	0.55	17.35	N/A	N/A	N/A	N/A
481	4.81	2.16	34.53	4.00	1.90E-007	5.64E-004	8.00	29.08	0.00	0.00	0.00	42.44	15.00	138.49	1.72	0.30	7.49	154.88	0.00	1.00	4.21	0.00	138.49	3.16	79.02	0.54	17.36	N/A	N/A	N/A	N/A
482	4.82	2.22	35.12	5.00	2.07E-007	6.30E-004	8.00	29.92	27.00	33.17	36.95	43.08	0.00	0.00	0.00	0.30	0.00	155.91	-0.07	0.00	0.00	0.00	52.63	3.08	78.85	0.53	17.39	N/A	N/A	N/A	N/A
483	4.83	2.23	35.66	5.00	2.04E-007	6.26E-004	8.00	30.06	27.00	33.21	37.19	43.42	0.00	0.00	0.00	0.30	0.00	156.43	-0.07	0.00	0.00	0.00	52.83	3.09	79.38	0.55	17.41	N/A	N/A	N/A	N/A
484	4.84	2.25	36.32	5.00	2.05E-007	6.33E-004	8.00	30.34	27.00	33.26	37.52	43.86	0.00	0.00	0.00	0.30	0.00	157.12	-0.07	0.00	0.00	0.00	53.04	3.09	79.90	0.58	17.43	N/A	N/A	N/A	N/A
485	4.85	2.26	37.17	4.00	2.00E-007	6.21E-004	9.00	30.47	0.00	0.00	0.00	44.33	15.00	145.11	1.79	0.30	7.79	157.83	0.00	1.00	4.10	0.00	145.11	3.11	80.81	0.58	17.46	N/A	N/A	N/A	N/A
486	4.86	2.26	37.74	4.00	1.94E-007	6.02E-004	9.00	30.47	0.00	0.00	0.00	44.62	15.00	145.10	1.79	0.30	7.78	158.26	0.00	1.00	4.04	0.00	145.10	3.14	81.51	0.58	17.48	N/A	N/A	N/A	N/A
487	4.87	2.23	38.18	4.00	1.79E-007	5.47E-004	8.00	30.05	0.00	0.00	0.00	44.68	15.00	143.09	1.76	0.30	7.66	158.33	0.00	1.00	3.94	0.00	143.09	3.23	82.50	0.58	17.48	N/A	N/A	N/A	N/A
488	4.88	2.21	38.25	4.00	1.70E-007	5.17E-004	8.00	29.77	0.00	0.00	0.00	44.63	15.00	141.74	1.74	0.30	7.58	158.24	0.00	1.00	3.89	0.00	141.74	3.28	82.89	0.58	17.48	N/A	N/A	N/A	N/A
489	4.89	2.18	38.34	4.00	1.59E-007	4.77E-004	8.00	29.34	0.00	0.00	0.00	44.53	15.00	139.73	1.71	0.30	7.47	158.08	0.00	1.00	3.83	0.00	139.73	3.35	83.46	0.58	17.48	N/A	N/A	N/A	N/A
490	4.90	2.17	38.40	4.00	1.55E-007	4.62E-004	8.00	29.20	0.00	0.00	0.00	44.53	15.00	139.05	1.70	0.30	7.42	158.08	0.00	1.00	3.80	0.00	139.05	3.38	83.67	0.58	17.48	N/A	N/A	N/A	N/A
491	4.91	2.15	38.56	4.00	1.47E-007	4.34E-004	8.00	28.92	0.00	0.00	0.00	44.52	15.00	137.70	1.68	0.30	7.34	158.05	0.00	1.00	3.75	0.00	137.70	3.44	84.18	0.58	17.48	N/A	N/A	N/A	N/A
492	4.92	2.15	38.56	4.00	1.47E-007	4.32E-004	8.00	28.92	0.00	0.00	0.00	44.55	15.00	137.69	1.67	0.30	7.32	158.11	0.00	1.00	3.75	0.00	137.69	3.45	84.16	0.58	17.48	N/A	N/A	N/A	N/A
493	4.93	2.15	38.56	4.00	1.46E-007	4.30E-004	8.00	28.91	0.00	0.00	0.00	44.58	15.00	137.68	1.67	0.30	7.31	158.17	0.00	1.00	3.75	0.00	137.68	3.45	84.13	0.58	17.48	N/A	N/A	N/A	N/A
494	4.94	2.11	37.39	4.00	1.41E-007	4.08E-004	8.00	28.35	0.00	0.00	0.00	43.87	15.00	135.02	1.63	0.30	7.16	157.09	0.00	1.00	3.79	0.00	135.02	3.49	83.26	0.58	17.44	N/A	N/A	N/A	N/A
495	4.95	2.10	37.68	4.00	1.36E-007	3.91E-004	8.00	28.21	0.00	0.00	0.00	43.97	15.00	134.34	1.62	0.30	7.11	157.24	0.00	1.00	3.74	0.00	134.34	3.53	83.78	0.58	17.45	N/A	N/A	N/A	N/A
496	4.96	2.09	37.99	4.00	1.31E-007	3.74E-004	8.00	28.07	0.00	0.00	0.00	44.08	15.00	133.66	1.61	0.30	7.07	157.40	0.00	1.00	3.69	0.00	133.66	3.58	84.33	0.58	17.45	N/A	N/A	N/A	N/A
497	4.97	2.09	38.69	4.00	1.26E-007	3.61E-004	8.00	28.07	0.00	0.00	0.00	44.42	15.00	133.65	1.61	0.30	7.06	157.91	0.00	1.00	3.63	0.00	133.65	3.62	85.21	0.58	17.48	N/A	N/A	N/A	N/A
498	4.98	2.17	41.40	4.00	1.31E-007	3.90E-004	9.00	29.18	0.00	0.00	0.00	46.10	15.00	138.97	1.67	0.30	7.32	160.45	0.00	1.00	3.52	0.00	138.97	3.58	87.26	0.58	17.57	N/A	N/A	N/A	N/A
499	4.99	2.21	44.02	4.00	1.27E-007	3.84E-004	9.00	29.74	0.00	0.00	0.00	47.48	15.00	141.63	1.70	0.30	7.45	162.47	0.00	1.00	3.38	0.00	141.63	3.62	89.78	0.58	17.65	N/A	N/A	N/A	N/A
500	5.00	2.25	46.95	4.00	1.22E-007	3.76E-004	9.00	30.30	0.00	0.00	0.00	48.96	15.00	144.28	1.72	0.30	7.58	164.60	0.00	1.00	3.23	0.00	144.28	3.66	92.59	0.58	17.73	N/A	N/A	N/A	N/A
501	5.01	2.40	51.87	4.00	1.34E-007	4.42E-004	9.00	32.40	0.00	0.00	0.00	51.86	15.00	154.28	1.84	0.30	8.08	168.75	0.00	1.00	3.12	0.00	154.28	3.55	95.69	0.58	17.87	N/A	N/A	N/A	N/A
502	5.02	2.48	53.66	4.00	1.44E-007	4.93E-004	10.00	33.52	0.00	0.00	0.00	53.08	15.00	159.60	1.90	0.30	8.34	170.47	0.00	1.00	3.12	0.00	159.60	3.47	96.32	0.58	17.92	N/A	N/A	N/A	N/A
503	5.03	2.60	54.39	4.00	1.72E-007	6.16E-004	10.00	35.19	0.00	0.00	0.00	54.10	15.00	167.59	1.99	0.30	8.72	171.95	0.00	1.00	3.24	0.00	167.59	3.27	95.14	0.58	17.95	N/A	N/A	N/A	N/A
504	5.04	2.65	53.66	4.00	1.90E-007	6.96E-004	10.00	35.89	0.00	0.00	0.00	54.14	15.00	170.91	2.03	0.30	8.87	172.05	0.00	1.00	3.34	0.00	170.91	3.16	93.55	0.58	17.94	N/A	N/A	N/A	N/A
505	5.05	2.68	52.84	4.00	2.04E-007	7.56E-004	10.00	36.31	0.00	0.00	0.00	54.02	15.00	172.90	2.04	0.30	8.95	171.93	0.00	1.00	3.44	0.00	172.90	3.09	92.19	0.58	17.93	N/A	N/A	N/A	N/A
506	5.06	2.69	51.74	4.00	2.15E-007	7.98E-004	10.00	36.45	0.00	0.00	0.00	53.68	15.00	173.55	2.05	0.30	8.97	171.49	0.00	1.00	3.52	0.00	173.55	3.04	90.84	0.58	17.91	N/A	N/A	N/A	N/A
507	5.07	2.68	51.24	4.00	2.14E-007	7.92E-004	10.00	36.30	0.00	0.00	0.00	53.46	15.00	172.87	2.04	0.30	8.92	171.20	0.00	1.00	3.54	0.00	172.87	3.04	90.41	0.58	17.89	N/A	N/A	N/A	N/A
508	5.08	2.62	49.91	4.00	2.03E-007	7.32E-004	10.00	35.46	0.00	0.00	0.00	52.62	15.00	168.86	1.98	0.30	8.70	170.04	0.00	1.00	3.55	0.00	168.86	3.10	89.81	0.58	17.85	N/A	N/A	N/A	N/A
509	5.09	2.58	49.28	4.00	1.93E-007	6.87E-004	10.00	34.90	0.00	0.00	0.00	52.18	15.00	166.18	1.95	0.30	8.55	169.42	0.00	1.00	3.54	0.00	166.18	3.15	89.68	0.58	17.83	N/A	N/A	N/A	N/A
510	5.10	2.48	47.39	4.00	1.74E-007	5.94E-004	9.00	33.50	0.00	0.00	0.00	50.87	15.00	159.50	1.87	0.30	8.20	167.57	0.00	1.00	3.53	0.00	159.50	3.26	89.05	0.58	17.77	N/A	N/A	N/A	N/A
511	5.11	2.43	45.78	4.00	1.69E-007	5.63E-004	9.00	32.79	0.00	0.00	0.00	49.95	15.00	156.16	1.82	0.30	8.02	166.27	0.00	1.00	3.58	0.00	156.16	3.29	87.95	0.58	17.73	N/A	N/A	N/A	N/A
512	5.12	2.37	43.73	4.00	1.63E-007	5.32E-004	9.00	31.95	0.00	0.00	0.00	48.78	15.00	152.14	1.77	0.30	7.80	164.59	0.00	1.00	3.65	0.00	152.14	3.33	86.46	0.58	17.66	N/A	N/A	N/A	N/A
513	5.13	2.34	41.27	4.00	1.70E-007	5.47E-004	9.00	31.53	0.00	0.00	0.00	47.58	15.00	150.13	1.75	0.30	7.68	162.88	0.00	1.00	3.82	0.00	150.13	3.28	83.98	0.58	17.59	N/A	N/A	N/A	N/A
514	5.14	2.30	38.50	4.00	1.77E-007	5.60E-004	9.00	30.97	0.00	0.00	0.00	46.16	15.00	147.45	1.71	0.30	7.53	160.83	0.00	1.00	4.02	0.00	147.45	3.24	81.20	0.58	17.51	N/A	N/A	N/A	N/A
515	5.15	2.22	31.59	5.00	2.11E-007	6.43E-004	8.00	29.84	26.00	32.69	36.70	42.50	0.00	0.00	0.00	0.30	0.00	155.39	-0.06	0.00	0.00	0.00	55.41	3.05	73.61	0.34	17.27	N/A	N/A	N/A	N/A
516	5.16	2.20	30.14	5.00	2.19E-007	6.59E-004	8.00	29.56	26.00	32.54	36.13	41.70	0.00	0.00	0.00	0.30	0.00	154.18	-0.05	0.00	0.00	0.00	55.19	3.02	71.96	0.30	17.21	N/A	N/A	N/A	N/A
517	5.17	2.17	29.17	5.00	2.16E-007	6.43E-004	8.00	29.14	26.00	32.45	35.68	41.08	0.00	0.00	0.00	0.30	0.00	153.22	-0.05	0.00	0.00	0.00	55.12	3.03	71.06	0.28	17.16	N/A	N/A	N/A	N/A
518	5.18	2.16	28.88	5.00	2.15E-007	6.35E-004	8.00	29.00	26.00	32.42	35.56	40.90	0.00	0.00	0.00	0.30	0.00	152.96	-0.05	0.00	0.00	0.00	55.17	3.04	70.79	0.27	17.15	N/A	N/A	N/A	N/A
519	5.19	2.15	28.94	5.00	2.09E-007	6.14E-004	8.00	28.85	26.00	32.44	35.56	40.91	0.00	0.00	0.00	0.30	0.00	152.96	-0.05	0.00	0.00	0.00	55.32	3.07	70.99	0.28	17.15	N/A	N/A	N/A	N/A
520	5.20	2.14	29.32	5.00	1.99E-007	5.84E-004	8.00	28.71	26.00	32.50	35.68	41.08	0.00	0.00	0.00	0.30	0.00	153.22	-0.05	0.00	0.00	0.00	55.56	3.11	71.62	0.29	17.17	N/A	N/A	N/A	N/A
521	5.21	2.15	29.67	5.00	1.99E-007	5.84E-004	8.00	28.85	26.00	32.53	35.88	41.34	0.00	0.00	0.00	0.30	0.00	153.64	-0.05	0.00	0.00	0.00	55.73	3.12	71.93	0.30	17.18	N/A	N/A	N/A	N/A
522	5.22	2.16	29.89	5.00	1.99E-007	5.89E-004	8.00	28.99	26.00	32.55	36.03	41.54	0.00	0.00	0.00	0.30	0.00	153.96	-0.05	0.00	0.00	0.00	55.87	3.11	72.07	0.30	17.19	N/A	N/A	N/A	N/A
523	5.23	2.18	30.27	5.00	2.02E-007	6.04E-004	8.00	29.26	26.00	32.57	36.27	41.87	0.00	0.00	0.00	0.30	0.00	154.49	-0.05	0.00	0.00	0.00	56.03	3.10	72.29	0.31	17.21	N/A	N/A	N/A	N/A
524	5.24	2.23	31.37	5.00	2.09E-007	6.40E-004	8.00	29.96	26.00	32.64	36.91	42.72	0.00	0.00	0.00	0.30	0.00	155.83	-0.05	0.00	0.00	0.00	56.29	3.06	73.03	0.33	17.26	N/A	N/A	N/A	N/A
525	5.25	2.25	32.07	5.00	2.09E-007	6.44E-004	8.00	30.24	26.00	32.70	37.27	43.21	0.00	0.00	0.00	0.30	0.00	156.59	-0.06	0.00	0.00	0.00	56.52	3.07	73.64	0.34	17.29	N/A	N/A	N/A	N/A
526	5.26	2.28	33.55	5.00	2.04E-007	6.39E-004	9.00	30.66	26.00	32.83	37.93	44.13	0.00	0.00	0.00	0.30	0.00	157.98	-0.06	0.00	0.00	0.00	56.93	3.09	75.10	0.39	17.34	N/A	N/A	N/A	N/A
527	5.27	2.29	34.40	5.00	1.99E-007	6.24E-004	9.00	30.79	26.00	32.91	38.29	44.62	0.00	0.00	0.00	0.30	0.00	158.73	-0.06	0.00	0.00	0.00	57.22	3.12	76.01	0.42	17.38	N/A	N/A	N/A	N/A
528	5.28	2.29	35.06	5.00	1.92E-007	6.02E-004	9.00	30.79	26.00	32.99	38.54	44.97	0.00	0.00	0.00	0.30	0.00	159.24	-0.06	0.00	0.00	0.00	57.49	3.15	76.81	0.45	17.40	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
529	5.29	2.28	36.70	4.00	1.73E-007	5.42E-004	9.00	30.65	0.00	0.00	0.00	45.72	15.00	145.95	1.64	0.30	7.26	160.33	0.00	1.00	4.18	0.00	145.95	3.26	78.97	0.54	17.45	N/A	N/A	N/A	N/A
530	5.30	2.27	37.08	4.00	1.66E-007	5.17E-004	9.00	30.51	0.00	0.00	0.00	45.87	15.00	145.27	1.63	0.30	7.22	160.55	0.00	1.00	4.11	0.00	145.27	3.31	79.56	0.56	17.46	N/A	N/A	N/A	N/A
531	5.31	2.27	37.39	4.00	1.63E-007	5.08E-004	9.00	30.50	0.00	0.00	0.00	46.05	15.00	145.26	1.63	0.30	7.21	160.82	0.00	1.00	4.08	0.00	145.26	3.33	79.92	0.58	17.47	N/A	N/A	N/A	N/A
532	5.32	2.26	38.12	4.00	1.54E-007	4.78E-004	9.00	30.36	0.00	0.00	0.00	46.36	15.00	144.58	1.62	0.30	7.17	161.27	0.00	1.00	3.98	0.00	144.58	3.39	80.95	0.58	17.49	N/A	N/A	N/A	N/A
533	5.33	2.27	38.37	4.00	1.55E-007	4.81E-004	9.00	30.50	0.00	0.00	0.00	46.57	15.00	145.24	1.62	0.30	7.19	161.58	0.00	1.00	3.97	0.00	145.24	3.38	81.08	0.58	17.50	N/A	N/A	N/A	N/A
534	5.34	2.28	38.50	4.00	1.56E-007	4.88E-004	9.00	30.64	0.00	0.00	0.00	46.72	15.00	145.89	1.63	0.30	7.21	161.81	0.00	1.00	3.98	0.00	145.89	3.38	81.07	0.58	17.50	N/A	N/A	N/A	N/A
535	5.35	2.30	39.07	4.00	1.58E-007	4.96E-004	9.00	30.92	0.00	0.00	0.00	47.13	15.00	147.22	1.64	0.30	7.26	162.43	0.00	1.00	3.96	0.00	147.22	3.37	81.44	0.58	17.52	N/A	N/A	N/A	N/A
536	5.36	2.32	39.25	4.00	1.62E-007	5.14E-004	9.00	31.19	0.00	0.00	0.00	47.36	15.00	148.54	1.65	0.30	7.31	162.78	0.00	1.00	3.97	0.00	148.54	3.34	81.34	0.58	17.53	N/A	N/A	N/A	N/A
537	5.37	2.33	39.35	4.00	1.63E-007	5.21E-004	9.00	31.33	0.00	0.00	0.00	47.49	15.00	149.19	1.65	0.30	7.33	162.99	0.00	1.00	3.98	0.00	149.19	3.33	81.29	0.58	17.54	N/A	N/A	N/A	N/A
538	5.38	2.37	39.79	4.00	1.72E-007	5.58E-004	9.00	31.89	0.00	0.00	0.00	47.95	15.00	151.85	1.68	0.30	7.45	163.69	0.00	1.00	4.01	0.00	151.85	3.27	81.21	0.58	17.56	N/A	N/A	N/A	N/A
539	5.39	2.41	39.98	4.00	1.82E-007	6.03E-004	9.00	32.45	0.00	0.00	0.00	48.30	15.00	154.50	1.71	0.30	7.56	164.22	0.00	1.00	4.06	0.00	154.50	3.21	80.85	0.58	17.57	N/A	N/A	N/A	N/A
540	5.40	2.48	40.01	5.00	2.05E-007	6.99E-004	9.00	33.42	27.00	33.26	41.33	48.73	0.00	0.00	0.00	0.30	0.00	164.90	-0.07	0.00	0.00	0.00	59.47	3.09	79.90	0.58	17.58	N/A	N/A	N/A	N/A
541	5.41	2.51	40.17	5.00	2.14E-007	7.37E-004	9.00	33.84	27.00	33.24	41.54	49.00	0.00	0.00	0.00	0.30	0.00	165.31	-0.07	0.00	0.00	0.00	59.54	3.04	79.67	0.57	17.59	N/A	N/A	N/A	N/A
542	5.42	2.58	40.89	5.00	2.32E-007	8.25E-004	10.00	34.82	28.00	33.23	42.09	49.74	0.00	0.00	0.00	0.30	0.00	166.41	-0.07	0.00	0.00	0.00	59.63	2.96	79.55	0.56	17.62	N/A	N/A	N/A	N/A
543	5.43	2.63	41.43	5.00	2.46E-007	8.90E-004	10.00	35.52	28.00	33.22	42.50	50.29	0.00	0.00	0.00	0.30	0.00	167.22	-0.07	0.00	0.00	0.00	59.74	2.91	79.51	0.56	17.64	N/A	N/A	N/A	N/A
544	5.44	2.67	41.97	5.00	2.56E-007	9.40E-004	10.00	36.07	28.00	33.23	42.86	50.78	0.00	0.00	0.00	0.30	0.00	167.94	-0.07	0.00	0.00	0.00	59.87	2.87	79.59	0.56	17.66	N/A	N/A	N/A	N/A
545	5.45	2.68	42.69	5.00	2.51E-007	9.27E-004	10.00	36.21	28.00	33.28	43.16	51.19	0.00	0.00	0.00	0.30	0.00	168.52	-0.07	0.00	0.00	0.00	60.11	2.89	80.23	0.60	17.68	N/A	N/A	N/A	N/A
546	5.46	2.66	43.29	5.00	2.36E-007	8.66E-004	10.00	35.93	28.00	33.36	43.30	51.40	0.00	0.00	0.00	0.30	0.00	168.79	-0.07	0.00	0.00	0.00	60.40	2.94	81.11	0.64	17.70	N/A	N/A	N/A	N/A
547	5.47	2.62	44.68	4.00	2.09E-007	7.52E-004	10.00	35.37	0.00	0.00	0.00	51.84	15.00	168.41	1.83	0.30	8.13	169.37	0.00	1.00	3.96	0.00	168.41	3.07	83.12	0.58	17.73	N/A	N/A	N/A	N/A
548	5.48	2.60	46.22	4.00	1.89E-007	6.77E-004	10.00	35.08	0.00	0.00	0.00	52.45	15.00	167.07	1.81	0.30	8.05	170.19	0.00	1.00	3.80	0.00	167.07	3.17	85.05	0.58	17.76	N/A	N/A	N/A	N/A
549	5.49	2.59	47.64	4.00	1.76E-007	6.25E-004	10.00	34.94	0.00	0.00	0.00	53.04	15.00	166.39	1.80	0.30	8.01	170.99	0.00	1.00	3.67	0.00	166.39	3.25	86.71	0.58	17.80	N/A	N/A	N/A	N/A
550	5.50	2.54	51.02	4.00	1.42E-007	4.96E-004	10.00	34.24	0.00	0.00	0.00	54.23	15.00	163.04	1.76	0.30	7.84	172.54	0.00	1.00	3.36	0.00	163.04	3.48	91.07	0.58	17.87	N/A	N/A	N/A	N/A
551	5.51	2.49	52.78	4.00	1.22E-007	4.17E-004	10.00	33.54	0.00	0.00	0.00	54.70	15.00	159.70	1.72	0.30	7.68	173.14	0.00	1.00	3.18	0.00	159.70	3.66	93.70	0.58	17.90	N/A	N/A	N/A	N/A
552	5.52	2.40	55.30	4.00	9.49E-008	3.12E-004	10.00	32.27	0.00	0.00	0.00	55.20	15.00	153.69	1.66	0.30	7.38	173.75	0.00	1.00	2.92	0.00	153.69	3.98	97.84	0.58	17.94	N/A	N/A	N/A	N/A
553	5.53	2.38	56.28	4.00	8.82E-008	2.88E-004	10.00	31.99	0.00	0.00	0.00	55.50	15.00	152.34	1.64	0.30	7.31	174.14	0.00	1.00	2.84	0.00	152.34	4.07	99.19	0.58	17.96	N/A	N/A	N/A	N/A
554	5.54	2.38	57.89	4.00	8.33E-008	2.72E-004	10.00	31.99	0.00	0.00	0.00	56.17	15.00	152.33	1.63	0.30	7.30	175.02	0.00	1.00	2.76	0.00	152.33	4.15	100.87	0.58	17.99	N/A	N/A	N/A	N/A
555	5.55	2.40	58.52	4.00	8.44E-008	2.77E-004	10.00	32.27	0.00	0.00	0.00	56.58	15.00	153.65	1.65	0.30	7.35	175.58	0.00	1.00	2.76	0.00	153.65	4.13	101.16	0.58	18.00	N/A	N/A	N/A	N/A
556	5.56	2.45	59.12	4.00	9.02E-008	3.03E-004	10.00	32.96	0.00	0.00	0.00	57.17	15.00	156.97	1.68	0.30	7.49	176.39	0.00	1.00	2.79	0.00	156.97	4.04	100.91	0.58	18.02	N/A	N/A	N/A	N/A
557	5.57	2.47	59.18	4.00	9.29E-008	3.15E-004	10.00	33.24	0.00	0.00	0.00	57.36	15.00	158.30	1.69	0.30	7.54	176.66	0.00	1.00	2.81	0.00	158.30	4.00	100.60	0.58	18.03	N/A	N/A	N/A	N/A
558	5.58	2.53	60.73	4.00	9.80E-008	3.40E-004	10.00	34.08	0.00	0.00	0.00	58.36	15.00	162.28	1.73	0.30	7.72	178.02	0.00	1.00	2.81	0.00	162.28	3.93	101.17	0.58	18.07	N/A	N/A	N/A	N/A
559	5.59	2.55	65.20	4.00	8.84E-008	3.10E-004	10.00	34.36	0.00	0.00	0.00	60.22	15.00	163.61	1.74	0.30	7.77	180.41	0.00	1.00	2.63	0.00	163.61	4.07	105.32	0.58	18.15	N/A	N/A	N/A	N/A
560	5.60	2.54	65.58	4.00	8.56E-008	2.99E-004	10.00	34.21	0.00	0.00	0.00	60.34	15.00	162.93	1.73	0.30	7.72	180.56	0.00	1.00	2.61	0.00	162.93	4.11	105.83	0.58	18.16	N/A	N/A	N/A	N/A
561	5.61	2.54	63.12	4.00	9.16E-008	3.19E-004	10.00	34.21	0.00	0.00	0.00	59.46	15.00	162.92	1.73	0.30	7.71	179.46	0.00	1.00	2.71	0.00	162.92	4.02	103.32	0.58	18.11	N/A	N/A	N/A	N/A
562	5.62	2.53	61.58	4.00	9.38E-008	3.26E-004	10.00	34.07	0.00	0.00	0.00	58.86	15.00	162.24	1.71	0.30	7.66	178.69	0.00	1.00	2.77	0.00	162.24	3.99	101.89	0.58	18.08	N/A	N/A	N/A	N/A
563	5.63	2.53	59.75	4.00	9.88E-008	3.43E-004	10.00	34.07	0.00	0.00	0.00	58.19	15.00	162.22	1.71	0.30	7.65	177.85	0.00	1.00	2.85	0.00	162.22	3.92	99.99	0.58	18.05	N/A	N/A	N/A	N/A
564	5.64	2.52	55.52	4.00	1.11E-007	3.83E-004	10.00	33.92	0.00	0.00	0.00	56.50	15.00	161.55	1.70	0.30	7.60	175.66	0.00	1.00	3.06	0.00	161.55	3.78	95.74	0.58	17.96	N/A	N/A	N/A	N/A
565	5.65	2.50	53.63	4.00	1.13E-007	3.89E-004	10.00	33.64	0.00	0.00	0.00	55.66	15.00	160.20	1.68	0.30	7.52	174.55	0.00	1.00	3.14	0.00	160.20	3.75	94.04	0.58	17.92	N/A	N/A	N/A	N/A
566	5.66	2.49	51.90	4.00	1.18E-007	4.02E-004	10.00	33.50	0.00	0.00	0.00	54.92	15.00	159.52	1.67	0.30	7.48	173.59	0.00	1.00	3.23	0.00	159.52	3.70	92.33	0.58	17.88	N/A	N/A	N/A	N/A
567	5.67	2.47	49.41	4.00	1.24E-007	4.19E-004	10.00	33.22	0.00	0.00	0.00	53.80	15.00	158.18	1.66	0.30	7.40	172.09	0.00	1.00	3.36	0.00	158.18	3.65	89.93	0.58	17.82	N/A	N/A	N/A	N/A
568	5.68	2.47	48.30	4.00	1.28E-007	4.34E-004	10.00	33.21	0.00	0.00	0.00	53.37	15.00	158.17	1.65	0.30	7.39	171.52	0.00	1.00	3.44	0.00	158.17	3.60	88.70	0.58	17.79	N/A	N/A	N/A	N/A
569	5.69	2.45	45.47	4.00	1.37E-007	4.60E-004	10.00	32.93	0.00	0.00	0.00	52.06	15.00	156.82	1.64	0.30	7.31	169.75	0.00	1.00	3.62	0.00	156.82	3.52	85.86	0.58	17.72	N/A	N/A	N/A	N/A
570	5.70	2.43	43.89	4.00	1.40E-007	4.67E-004	9.00	32.65	0.00	0.00	0.00	51.28	15.00	155.48	1.62	0.30	7.24	168.69	0.00	1.00	3.72	0.00	155.48	3.50	84.36	0.58	17.68	N/A	N/A	N/A	N/A
571	5.71	2.41	42.25	4.00	1.44E-007	4.75E-004	9.00	32.37	0.00	0.00	0.00	50.46	15.00	154.13	1.60	0.30	7.16	167.56	0.00	1.00	3.83	0.00	154.13	3.47	82.78	0.58	17.63	N/A	N/A	N/A	N/A
572	5.72	2.38	38.12	4.00	1.62E-007	5.28E-004	9.00	31.95	0.00	0.00	0.00	48.40	15.00	152.12	1.58	0.30	7.05	164.68	0.00	1.00	4.19	0.00	152.12	3.33	78.41	0.51	17.51	N/A	N/A	N/A	N/A
573	5.73	2.37	36.04	4.00	1.74E-007	5.65E-004	9.00	31.80	0.00	0.00	0.00	47.38	15.00	151.44	1.57	0.30	7.01	163.24	0.00	1.00	4.41	0.00	151.44	3.26	76.08	0.42	17.44	N/A	N/A	N/A	N/A
574	5.74	2.34	33.11	5.00	1.89E-007	6.05E-004	9.00	31.38	26.00	32.63	39.37	45.79	0.00	0.00	0.00	0.30	0.00	160.95	-0.05	0.00	0.00	0.00	61.94	3.17	72.93	0.32	17.34	N/A	N/A	N/A	N/A
575	5.75	2.32	33.14	5.00	1.81E-007	5.75E-004	9.00	31.10	26.00	32.65	39.32	45.72	0.00	0.00	0.00	0.30	0.00	160.85	-0.06	0.00	0.00	0.00	62.11	3.21	73.20	0.33	17.34	N/A	N/A	N/A	N/A
576	5.76	2.31	33.58	4.00	1.73E-007	5.47E-004	9.00	30.96	0.00	0.00	0.00	45.92	15.00	147.41	1.52	0.30	6.79	161.14	0.00	1.00	4.61	0.00	147.41	3.26	73.85	0.35	17.35	N/A	N/A	N/A	N/A
577	5.77	2.29	34.68	4.00	1.57E-007	4.92E-004	9.00	30.67	0.00	0.00	0.00	46.39	15.00	146.06	1.50	0.30	6.72	161.80	0.00	1.00	4.42	0.00	146.06	3.37	75.44	0.40	17.38	N/A	N/A	N/A	N/A
578	5.78	2.28	35.60	4.00	1.47E-007	4.58E-004	9.00	30.53	0.00	0.00	0.00	46.82	15.00	145.38	1.49	0.30	6.68	162.42	0.00	1.00	4.29	0.00	145.38	3.44	76.68	0.44	17.41	N/A	N/A	N/A	N/A
579	5.79	2.26	37.36	4.00	1.30E-007	4.00E-004	9.00	30.25	0.00	0.00	0.00	47.59	15.00	144.04	1.48	0.30	6.61	163.50	0.00	1.00	4.05	0.00	144.04	3.59	79.06	0.54	17.47	N/A	N/A	N/A	N/A
580	5.80	2.25	38.28	4.00	1.22E-007	3.73E-004	9.00	30.11	0.00	0.00	0.00	48.01	15.00	143.36	1.47	0.30	6.57	164.09	0.00	1.00	3.93	0.00	143.36	3.67	80.28	0.58	17.49	N/A	N/A	N/A	N/A
581	5.81	2.23	39.38	4.00	1.11E-007	3.37E-004	9.00	29.82	0.00	0.00	0.00	48.44	15.00	142.01	1.45	0.30	6.50	164.69	0.00	1.00	3.79	0.00	142.01	3.78	81.86	0.58	17.52	N/A	N/A	N/A	N/A
582	5.82	2.22	39.73	4.00	1.07E-007	3.22E-004	9.00	29.68	0.00	0.00	0.00	48.58	15.00	141.34	1.44	0.30	6.46	164.88	0.00	1.00	3.74	0.00	141.34	3.83	82.41	0.58	17.53	N/A	N/A	N/A	N/A
583	5.83	2.22	40.67	4.00	1.02E-007	3.08E-004	9.00	29.68	0.00	0.00	0.00	49.04	15.00	141.33	1.44	0.30	6.45	165.55	0.00	1.00	3.65	0.00	141.33	3.88	83.49	0.58	17.56	N/A	N/A	N/A	N/A
584	5.84	2.22	41.18	4.00	9.92E-008	3.00E-004	9.00	29.68	0.00	0.00	0.00	49.31	15.00	141.31	1.43	0.30	6.44	165.93	0.00	1.00	3.60	0.00	141.31	3.92	84.07	0.58	17.57	N/A	N/A	N/A	N/A
585	5.85	2.24	41.62	4.00	1.01E-007	3.08E-004	9.00	29.95	0.00	0.00	0.00	49.67	15.00	142.64	1.45	0.30	6.49	166.45	0.00	1.00	3.60	0.00	142.64	3.90	84.25	0.58	17.59	N/A	N/A	N/A	N/A
586	5.86	2.30	42.06	4.00	1.11E-007	3.48E-004	9.00	30.79	0.00	0.00	0.00	50.26	15.00	146.63	1.48	0.30	6.66	167.33	0.00	1.00	3.66	0.00	146.63	3.78	83.84	0.58	17.61	N/A	N/A	N/A	N/A
587	5.87	2.33	42.16	4.00	1.16E-007	3.70E-004	9.00	31.21	0.00	0.00	0.00	50.51	15.00	148.61	1.50	0.30	6.74	167.72	0.00	1.00	3.70	0.00	148.61	3.72	83.49	0.58	17.62	N/A	N/A	N/A	N/A
588	5.88	2.42	42.41	4.00	1.36E-007	4.49E-004	9.00	32.47	0.00	0.00	0.00	51.18	15.00	154.60	1.56	0.30	7.00	168.72	0.00	1.00	3.83	0.00	154.60	3.54	82.46	0.58	17.64	N/A	N/A	N/A	N/A
589	5.89	2.45	42.25	4.00	1.44E-007	4.81E-004	10.00	32.88	0.00	0.00	0.00	51.31	15.00	156.59	1.58	0.30	7.07	168.93	0.00	1.00	3.89	0.00	156.59	3.47	81.84	0.58	17.64	N/A	N/A	N/A	N/A
590	5.90	2.52	42.06	4.00	1.63E-007	5.63E-004	10.00	33.86	0.00	0.00	0.00	51.64	15.00	161.25	1.62	0.30	7.27	169.45	0.00	1.00	4.03	0.00	161.25	3.33	80.66	0.58	17.64	N/A	N/A	N/A	N/A
591	5.91	2.53	42.00	4.00	1.66E-007	5.74E-004	10.00	34.00	0.00	0.00	0.00	51.71	15.00	161.90	1.62	0.30	7.29	169.56	0.00	1.00	4.05	0.00	161.90	3.31	80.44	0.58	17.64	N/A	N/A	N/A	N/A
592	5.92	2.53	42.00	4.00	1.65E-007	5.72E-004	10.00	34.00	0.00	0.00	0.00	51.74	15.00	161.89	1.62	0.30	7.28	169.61	0.00	1.00	4.05	0.00	161.89	3.31	80.42	0.58	17.64	N/A	N/A	N/A	N/A
593	5.93	2.53	42.00	4.00	1.64E-007	5.70E-004	10.00	33.99	0.00	0.00	0.00	51.77	15.00	161.88	1.62	0.30	7.27	169.67	0.00	1.00	4.05	0.00	161.88	3.32	80.40	0.58	17.64	N/A	N/A	N/A	N/A
594	5.94	2.52	38.02	5.00	1.91E-007	6.59E-004	10.00	33.85	26.00	32.92	42.41	49.85	0.00	0.00	0.00	0.30	0.00	167.04	-0.06	0.00	0.00	0.00	64.90	3.16	76.08	0.42	17.53	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
595	5.95	2.49	38.34	4.00	1.78E-007	6.06E-004	9.00	33.43	0.00	0.00	0.00	49.88	15.00	159.19	1.59	0.30	7.12	167.06	0.00	1.00	4.36	0.00	159.19	3.23	76.80	0.45	17.53	N/A	N/A	N/A	N/A
596	5.96	2.46	38.75	4.00	1.65E-007	5.55E-004	9.00	33.01	0.00	0.00	0.00	49.95	15.00	157.18	1.56	0.30	7.02	167.14	0.00	1.00	4.26	0.00	157.18	3.32	77.63	0.48	17.54	N/A	N/A	N/A	N/A
597	5.97	2.38	39.85	4.00	1.35E-007	4.40E-004	9.00	31.89	0.00	0.00	0.00	50.07	15.00	151.84	1.51	0.30	6.78	167.25	0.00	1.00	4.00	0.00	151.84	3.54	79.93	0.58	17.56	N/A	N/A	N/A	N/A
598	5.98	2.32	40.11	4.00	1.19E-007	3.76E-004	9.00	31.04	0.00	0.00	0.00	49.88	15.00	147.82	1.46	0.30	6.59	166.95	0.00	1.00	3.87	0.00	147.82	3.69	81.05	0.58	17.56	N/A	N/A	N/A	N/A
599	5.99	2.23	40.42	4.00	9.81E-008	2.98E-004	9.00	29.78	0.00	0.00	0.00	49.53	15.00	141.81	1.40	0.30	6.31	166.39	0.00	1.00	3.68	0.00	141.81	3.93	82.70	0.58	17.55	N/A	N/A	N/A	N/A
600	6.00	2.18	40.48	4.00	8.81E-008	2.61E-004	9.00	29.08	0.00	0.00	0.00	49.30	15.00	138.47	1.37	0.30	6.15	166.03	0.00	1.00	3.59	0.00	138.47	4.07	83.50	0.58	17.54	N/A	N/A	N/A	N/A
601	6.01	2.11	41.05	4.00	7.40E-008	2.12E-004	9.00	28.10	0.00	0.00	0.00	49.16	15.00	133.79	1.32	0.30	5.93	165.79	0.00	1.00	3.42	0.00	133.79	4.31	85.21	0.58	17.55	N/A	N/A	N/A	N/A
602	6.02	2.10	41.34	4.00	7.13E-008	2.03E-004	9.00	27.95	0.00	0.00	0.00	49.27	15.00	133.11	1.31	0.30	5.89	165.93	0.00	1.00	3.38	0.00	133.11	4.36	85.68	0.58	17.55	N/A	N/A	N/A	N/A
603	6.03	2.09	41.56	4.00	6.88E-008	1.95E-004	9.00	27.81	0.00	0.00	0.00	49.34	15.00	132.43	1.30	0.30	5.85	166.03	0.00	1.00	3.35	0.00	132.43	4.41	86.07	0.58	17.56	N/A	N/A	N/A	N/A
604	6.04	2.09	41.18	4.00	6.97E-008	1.97E-004	9.00	27.81	0.00	0.00	0.00	49.20	15.00	132.42	1.30	0.30	5.84	165.85	0.00	1.00	3.38	0.00	132.42	4.39	85.60	0.58	17.55	N/A	N/A	N/A	N/A
605	6.05	2.09	41.02	4.00	6.98E-008	1.98E-004	9.00	27.81	0.00	0.00	0.00	49.16	15.00	132.41	1.30	0.30	5.84	165.80	0.00	1.00	3.39	0.00	132.41	4.39	85.39	0.58	17.54	N/A	N/A	N/A	N/A
606	6.06	2.09	41.75	4.00	6.74E-008	1.91E-004	9.00	27.80	0.00	0.00	0.00	49.53	15.00	132.40	1.29	0.30	5.83	166.32	0.00	1.00	3.33	0.00	132.40	4.44	86.22	0.58	17.56	N/A	N/A	N/A	N/A
607	6.07	2.13	44.27	4.00	6.59E-008	1.90E-004	9.00	28.36	0.00	0.00	0.00	50.95	15.00	135.05	1.32	0.30	5.93	168.34	0.00	1.00	3.20	0.00	135.05	4.47	88.46	0.58	17.64	N/A	N/A	N/A	N/A
608	6.08	2.13	45.81	4.00	6.17E-008	1.78E-004	9.00	28.36	0.00	0.00	0.00	51.66	15.00	135.04	1.31	0.30	5.92	169.32	0.00	1.00	3.10	0.00	135.04	4.57	90.17	0.58	17.68	N/A	N/A	N/A	N/A
609	6.09	2.16	47.99	4.00	6.02E-008	1.77E-004	9.00	28.78	0.00	0.00	0.00	52.84	15.00	137.03	1.33	0.30	6.00	170.95	0.00	1.00	3.00	0.00	137.03	4.60	92.09	0.58	17.74	N/A	N/A	N/A	N/A
610	6.10	2.17	47.89	4.00	6.14E-008	1.81E-004	9.00	28.91	0.00	0.00	0.00	52.89	15.00	137.68	1.34	0.30	6.02	171.05	0.00	1.00	3.02	0.00	137.68	4.57	91.79	0.58	17.74	N/A	N/A	N/A	N/A
611	6.11	2.18	47.80	4.00	6.26E-008	1.86E-004	9.00	29.05	0.00	0.00	0.00	52.96	15.00	138.34	1.34	0.30	6.04	171.15	0.00	1.00	3.04	0.00	138.34	4.55	91.50	0.58	17.73	N/A	N/A	N/A	N/A
612	6.12	2.20	47.58	4.00	6.55E-008	1.96E-004	9.00	29.33	0.00	0.00	0.00	53.02	15.00	139.66	1.35	0.30	6.09	171.27	0.00	1.00	3.08	0.00	139.66	4.48	90.92	0.58	17.73	N/A	N/A	N/A	N/A
613	6.13	2.22	47.20	4.00	6.89E-008	2.08E-004	9.00	29.61	0.00	0.00	0.00	53.02	15.00	140.98	1.36	0.30	6.13	171.29	0.00	1.00	3.14	0.00	140.98	4.41	90.16	0.58	17.73	N/A	N/A	N/A	N/A
614	6.14	2.24	46.70	4.00	7.28E-008	2.22E-004	9.00	29.88	0.00	0.00	0.00	52.96	15.00	142.30	1.37	0.30	6.18	171.24	0.00	1.00	3.20	0.00	142.30	4.33	89.28	0.58	17.72	N/A	N/A	N/A	N/A
615	6.15	2.24	46.13	4.00	7.41E-008	2.26E-004	9.00	29.88	0.00	0.00	0.00	52.75	15.00	142.29	1.37	0.30	6.17	170.96	0.00	1.00	3.24	0.00	142.29	4.31	88.63	0.58	17.70	N/A	N/A	N/A	N/A
616	6.16	2.25	45.37	4.00	7.75E-008	2.37E-004	9.00	30.02	0.00	0.00	0.00	52.50	15.00	142.95	1.37	0.30	6.19	170.65	0.00	1.00	3.31	0.00	142.95	4.24	87.61	0.58	17.69	N/A	N/A	N/A	N/A
617	6.17	2.26	44.96	4.00	8.00E-008	2.46E-004	9.00	30.16	0.00	0.00	0.00	52.42	15.00	143.60	1.38	0.30	6.21	170.55	0.00	1.00	3.35	0.00	143.60	4.20	86.98	0.58	17.68	N/A	N/A	N/A	N/A
618	6.18	2.26	44.49	4.00	8.12E-008	2.50E-004	9.00	30.15	0.00	0.00	0.00	52.24	15.00	143.59	1.37	0.30	6.20	170.32	0.00	1.00	3.39	0.00	143.59	4.18	86.44	0.58	17.67	N/A	N/A	N/A	N/A
619	6.19	2.28	44.24	4.00	8.50E-008	2.64E-004	9.00	30.43	0.00	0.00	0.00	52.28	15.00	144.91	1.38	0.30	6.25	170.41	0.00	1.00	3.44	0.00	144.91	4.12	85.84	0.58	17.66	N/A	N/A	N/A	N/A
620	6.20	2.29	43.16	4.00	9.01E-008	2.81E-004	9.00	30.57	0.00	0.00	0.00	51.88	15.00	145.57	1.39	0.30	6.27	169.88	0.00	1.00	3.54	0.00	145.57	4.04	84.47	0.58	17.64	N/A	N/A	N/A	N/A
621	6.21	2.30	42.50	4.00	9.40E-008	2.94E-004	9.00	30.71	0.00	0.00	0.00	51.67	15.00	146.22	1.39	0.30	6.29	169.61	0.00	1.00	3.61	0.00	146.22	3.99	83.57	0.58	17.62	N/A	N/A	N/A	N/A
622	6.22	2.31	41.37	4.00	1.00E-007	3.15E-004	9.00	30.84	0.00	0.00	0.00	51.23	15.00	146.88	1.40	0.30	6.31	169.03	0.00	1.00	3.73	0.00	146.88	3.91	82.14	0.58	17.59	N/A	N/A	N/A	N/A
623	6.23	2.32	40.42	4.00	1.06E-007	3.34E-004	9.00	30.98	0.00	0.00	0.00	50.88	15.00	147.53	1.40	0.30	6.33	168.56	0.00	1.00	3.83	0.00	147.53	3.84	80.91	0.58	17.57	N/A	N/A	N/A	N/A
624	6.24	2.34	39.07	4.00	1.16E-007	3.70E-004	9.00	31.26	0.00	0.00	0.00	50.37	15.00	148.85	1.41	0.30	6.38	167.90	0.00	1.00	4.00	0.00	148.85	3.72	79.08	0.54	17.53	N/A	N/A	N/A	N/A
625	6.25	2.36	38.69	4.00	1.22E-007	3.93E-004	9.00	31.54	0.00	0.00	0.00	50.33	15.00	150.18	1.42	0.30	6.42	167.87	0.00	1.00	4.08	0.00	150.18	3.66	78.36	0.51	17.52	N/A	N/A	N/A	N/A
626	6.26	2.40	38.40	4.00	1.33E-007	4.34E-004	9.00	32.09	0.00	0.00	0.00	50.45	15.00	152.83	1.44	0.30	6.53	168.07	0.00	1.00	4.18	0.00	152.83	3.56	77.49	0.47	17.52	N/A	N/A	N/A	N/A
627	6.27	2.41	38.25	4.00	1.36E-007	4.46E-004	9.00	32.23	0.00	0.00	0.00	50.46	15.00	153.49	1.45	0.30	6.55	168.11	0.00	1.00	4.21	0.00	153.49	3.54	77.17	0.46	17.52	N/A	N/A	N/A	N/A
628	6.28	2.44	38.25	4.00	1.43E-007	4.75E-004	9.00	32.65	0.00	0.00	0.00	50.66	15.00	155.48	1.46	0.30	6.62	168.42	0.00	1.00	4.27	0.00	155.48	3.48	76.77	0.45	17.52	N/A	N/A	N/A	N/A
629	6.29	2.48	38.43	4.00	1.52E-007	5.13E-004	10.00	33.21	0.00	0.00	0.00	51.00	15.00	158.13	1.49	0.30	6.73	168.92	0.00	1.00	4.32	0.00	158.13	3.41	76.44	0.43	17.53	N/A	N/A	N/A	N/A
630	6.30	2.51	38.62	4.00	1.58E-007	5.41E-004	10.00	33.62	0.00	0.00	0.00	51.29	15.00	160.12	1.50	0.30	6.80	169.35	0.00	1.00	4.35	0.00	160.12	3.36	76.26	0.43	17.54	N/A	N/A	N/A	N/A
631	6.31	2.56	38.81	4.00	1.70E-007	5.96E-004	10.00	34.32	0.00	0.00	0.00	51.69	15.00	163.44	1.53	0.30	6.94	169.94	0.00	1.00	4.42	0.00	163.44	3.28	75.84	0.41	17.56	N/A	N/A	N/A	N/A
632	6.32	2.57	39.07	4.00	1.71E-007	5.99E-004	10.00	34.46	0.00	0.00	0.00	51.90	15.00	164.10	1.53	0.30	6.95	170.25	0.00	1.00	4.41	0.00	164.10	3.28	75.99	0.42	17.57	N/A	N/A	N/A	N/A
633	6.33	2.55	40.04	4.00	1.57E-007	5.48E-004	10.00	34.18	0.00	0.00	0.00	52.31	15.00	162.75	1.52	0.30	6.88	170.80	0.00	1.00	4.27	0.00	162.75	3.37	77.27	0.47	17.59	N/A	N/A	N/A	N/A
634	6.34	2.50	40.61	4.00	1.40E-007	4.78E-004	10.00	33.48	0.00	0.00	0.00	52.35	15.00	159.41	1.49	0.30	6.73	170.82	0.00	1.00	4.12	0.00	159.41	3.50	78.51	0.52	17.60	N/A	N/A	N/A	N/A
635	6.35	2.45	41.08	4.00	1.25E-007	4.17E-004	10.00	32.77	0.00	0.00	0.00	52.34	15.00	156.06	1.45	0.30	6.58	170.77	0.00	1.00	3.99	0.00	156.06	3.63	79.65	0.57	17.61	N/A	N/A	N/A	N/A
636	6.36	2.20	42.38	4.00	7.28E-008	2.17E-004	9.00	29.27	0.00	0.00	0.00	51.53	15.00	139.38	1.29	0.30	5.86	169.47	0.00	1.00	3.45	0.00	139.38	4.33	84.56	0.58	17.60	N/A	N/A	N/A	N/A
637	6.37	2.11	42.88	4.00	5.88E-008	1.68E-004	9.00	28.01	0.00	0.00	0.00	51.23	15.00	133.37	1.24	0.30	5.59	169.00	0.00	1.00	3.27	0.00	133.37	4.64	86.43	0.58	17.60	N/A	N/A	N/A	N/A
638	6.38	2.03	43.64	4.00	4.77E-008	1.31E-004	9.00	26.88	0.00	0.00	0.00	51.10	15.00	128.02	1.19	0.30	5.35	168.75	0.00	1.00	3.08	0.00	128.02	4.96	88.47	0.58	17.60	N/A	N/A	N/A	N/A
639	6.39	1.94	45.88	4.00	3.54E-008	9.24E-005	9.00	25.62	0.00	0.00	0.00	51.52	15.00	122.01	1.13	0.30	5.09	169.26	0.00	1.00	2.79	0.00	122.01	5.44	92.32	0.58	17.64	N/A	N/A	N/A	N/A
640	6.40	1.93	47.17	4.00	3.27E-008	8.50E-005	9.00	25.48	0.00	0.00	0.00	52.05	15.00	121.33	1.12	0.30	5.05	169.98	0.00	1.00	2.70	0.00	121.33	5.57	93.86	0.58	17.67	N/A	N/A	N/A	N/A
641	6.41	1.90	48.59	4.00	2.88E-008	7.35E-005	9.00	25.06	0.00	0.00	0.00	52.48	15.00	119.32	1.10	0.30	4.96	170.55	0.00	1.00	2.58	0.00	119.32	5.80	95.83	0.58	17.70	N/A	N/A	N/A	N/A
642	6.42	1.91	52.72	4.00	2.53E-008	6.49E-005	9.00	25.20	0.00	0.00	0.00	54.32	15.00	119.98	1.10	0.30	4.98	173.03	0.00	1.00	2.39	0.00	119.98	6.03	100.01	0.58	17.80	N/A	N/A	N/A	N/A
643	6.43	1.91	52.72	4.00	2.52E-008	6.46E-005	9.00	25.19	0.00	0.00	0.00	54.35	15.00	119.97	1.10	0.30	4.97	173.09	0.00	1.00	2.39	0.00	119.97	6.04	99.97	0.58	17.80	N/A	N/A	N/A	N/A
644	6.44	2.06	59.84	4.00	2.80E-008	7.78E-005	9.00	27.30	0.00	0.00	0.00	58.34	15.00	129.99	1.19	0.30	5.38	178.46	0.00	1.00	2.28	0.00	129.99	5.85	104.77	0.58	17.97	N/A	N/A	N/A	N/A
645	6.45	2.20	61.86	4.00	3.53E-008	1.05E-004	10.00	29.26	0.00	0.00	0.00	60.17	15.00	139.31	1.28	0.30	5.76	180.91	0.00	1.00	2.36	0.00	139.31	5.45	104.51	0.58	18.03	N/A	N/A	N/A	N/A
646	6.46	2.37	63.06	4.00	4.75E-008	1.53E-004	10.00	31.63	0.00	0.00	0.00	61.83	15.00	150.63	1.38	0.30	6.22	183.13	0.00	1.00	2.51	0.00	150.63	4.96	102.98	0.58	18.09	N/A	N/A	N/A	N/A
647	6.47	2.79	64.38	4.00	9.48E-008	3.62E-004	11.00	37.51	0.00	0.00	0.00	65.01	15.00	178.62	1.63	0.30	7.39	187.33	0.00	1.00	2.91	0.00	178.62	3.98	97.96	0.58	18.17	N/A	N/A	N/A	N/A
648	6.48	3.02	64.32	4.00	1.35E-007	5.60E-004	12.00	40.73	0.00	0.00	0.00	66.33	15.00	193.95	1.77	0.30	8.02	189.07	0.00	1.00	3.17	0.00	193.95	3.54	94.75	0.58	18.20	N/A	N/A	N/A	N/A
649	6.49	3.52	61.89	5.00	2.86E-007	1.39E-003	13.00	47.73	30.00	33.83	55.58	67.91	0.00	0.00	0.00	0.30	0.00	191.24	-0.08	0.00	0.00	0.00	73.71	2.77	86.89	0.67	18.22	N/A	N/A	N/A	N/A
650	6.50	3.77	60.03	5.00	4.08E-007	2.13E-003	13.00	51.22	31.00	33.53	55.93	68.30	0.00	0.00	0.00	0.30	0.00	191.83	-0.07	0.00	0.00	0.00	72.99	2.47	83.12	0.66	18.21	N/A	N/A	N/A	N/A
651	6.51	3.99	58.08	5.00	5.55E-007	3.07E-003	14.00	54.30	32.00	33.27	56.08	68.42	0.00	0.00	0.00	0.30	0.00	192.09	-0.07	0.00	0.00	0.00	72.39	2.24	80.03	0.59	18.19	N/A	N/A	N/A	N/A
652	6.52	4.27	56.15	5.00	7.93E-007	4.70E-003	14.00	58.22	33.00	33.02	56.37	68.73	0.00	0.00	0.00	0.30	0.00	192.58	-0.06	0.00	0.00	0.00	71.82	2.01	77.16	0.46	18.18	N/A	N/A	N/A	N/A
653	6.53	4.33	55.78	5.00	8.50E-007	5.12E-003	14.00	59.06	33.00	32.97	56.46	68.83	0.00	0.00	0.00	0.30	0.00	192.74	-0.06	0.00	0.00	0.00	71.81	1.97	76.65	0.44	18.18	N/A	N/A	N/A	N/A
654	6.54	4.37	56.25	5.00	8.69E-007	5.28E-003	14.00	59.61	33.00	32.98	56.77	69.25	0.00	0.00	0.00	0.30	0.00	193.26	-0.06	0.00	0.00	0.00	71.96	1.96	76.80	0.45	18.19	N/A	N/A	N/A	N/A
655	6.55	4.37	56.22	5.00	8.67E-007	5.27E-003	14.00	59.61	33.00	32.98	56.79	69.28	0.00	0.00	0.00	0.30	0.00	193.30	-0.06	0.00	0.00	0.00	72.07	1.96	76.75	0.45	18.19	N/A	N/A	N/A	N/A
656	6.56	4.37	55.78	5.00	8.76E-007	5.32E-003	14.00	59.61	33.00	32.95	56.68	69.11	0.00	0.00	0.00	0.30	0.00	193.11	-0.06	0.00	0.00	0.00	72.11	1.96	76.42	0.43	18.18	N/A	N/A	N/A	N/A
657	6.57	4.34	54.45	5.00	8.84E-007	5.34E-003	14.00	59.19	33.00	32.87	56.18	68.39	0.00	0.00	0.00	0.30	0.00	192.27	-0.06	0.00	0.00	0.00	72.02	1.95	75.59	0.40	18.15	N/A	N/A	N/A	N/A
658	6.58	4.31	53.66	5.00	8.77E-007	5.25E-003	14.00	58.76	33.00	32.83	55.86	67.93	0.00	0.00	0.00	0.30	0.00	191.72	-0.06	0.00	0.00	0.00	72.01	1.96	75.12	0.39	18.13	N/A	N/A	N/A	N/A
659	6.59	4.21	52.59	5.00	8.17E-007	4.78E-003	14.00	57.36	33.00	32.79	55.24	67.05	0.00	0.00	0.00	0.30	0.00	190.64	-0.06	0.00	0.00	0.00	72.03	2.00	74.70	0.38	18.10	N/A	N/A	N/A	N/A
660	6.60	4.16	52.43	5.00	7.76E-007	4.48E-003	14.00	56.66	32.00	32.80	55.07	66.81	0.00	0.00	0.00	0.30	0.00	190.34	-0.06	0.00	0.00	0.00	72.16	2.03	74.76	0.38	18.09	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
661	6.61	4.08	52.53	5.00	7.08E-007	4.01E-003	14.00	55.54	32.00	32.84	54.89	66.57	0.00	0.00	0.00	0.30	0.00	190.03	-0.06	0.00	0.00	0.00	72.37	2.08	75.15	0.39	18.08	N/A	N/A	N/A	N/A
662	6.62	4.05	52.65	5.00	6.80E-007	3.82E-003	14.00	55.11	32.00	32.85	54.86	66.54	0.00	0.00	0.00	0.30	0.00	189.99	-0.06	0.00	0.00	0.00	72.54	2.11	75.36	0.40	18.08	N/A	N/A	N/A	N/A
663	6.63	4.05	53.60	5.00	6.56E-007	3.69E-003	14.00	55.11	32.00	32.92	55.21	67.04	0.00	0.00	0.00	0.30	0.00	190.60	-0.06	0.00	0.00	0.00	72.83	2.13	76.04	0.42	18.10	N/A	N/A	N/A	N/A
664	6.64	4.05	54.67	5.00	6.32E-007	3.55E-003	14.00	55.11	32.00	32.98	55.60	67.59	0.00	0.00	0.00	0.30	0.00	191.26	-0.06	0.00	0.00	0.00	73.14	2.15	76.81	0.45	18.13	N/A	N/A	N/A	N/A
665	6.65	4.04	56.82	5.00	5.81E-007	3.25E-003	14.00	54.97	32.00	33.13	56.30	68.61	0.00	0.00	0.00	0.30	0.00	192.46	-0.07	0.00	0.00	0.00	73.66	2.21	78.44	0.51	18.17	N/A	N/A	N/A	N/A
666	6.66	4.03	57.51	5.00	5.60E-007	3.13E-003	14.00	54.82	32.00	33.18	56.52	68.93	0.00	0.00	0.00	0.30	0.00	192.84	-0.07	0.00	0.00	0.00	73.92	2.23	78.98	0.54	18.18	N/A	N/A	N/A	N/A
667	6.67	4.02	57.70	5.00	5.49E-007	3.06E-003	14.00	54.68	32.00	33.19	56.58	69.02	0.00	0.00	0.00	0.30	0.00	192.95	-0.07	0.00	0.00	0.00	74.08	2.25	79.16	0.54	18.19	N/A	N/A	N/A	N/A
668	6.68	4.03	56.69	5.00	5.71E-007	3.19E-003	14.00	54.82	32.00	33.12	56.32	68.63	0.00	0.00	0.00	0.30	0.00	192.51	-0.06	0.00	0.00	0.00	73.99	2.22	78.32	0.51	18.17	N/A	N/A	N/A	N/A
669	6.69	4.01	56.09	5.00	5.67E-007	3.15E-003	14.00	54.54	32.00	33.09	56.10	68.30	0.00	0.00	0.00	0.30	0.00	192.12	-0.06	0.00	0.00	0.00	74.02	2.22	77.97	0.49	18.15	N/A	N/A	N/A	N/A
670	6.70	3.99	56.66	5.00	5.43E-007	3.00E-003	14.00	54.25	32.00	33.13	56.25	68.52	0.00	0.00	0.00	0.30	0.00	192.38	-0.07	0.00	0.00	0.00	74.27	2.25	78.49	0.51	18.16	N/A	N/A	N/A	N/A
671	6.71	4.00	57.38	5.00	5.35E-007	2.97E-003	14.00	54.39	32.00	33.17	56.55	68.94	0.00	0.00	0.00	0.30	0.00	192.89	-0.07	0.00	0.00	0.00	74.50	2.27	78.95	0.53	18.18	N/A	N/A	N/A	N/A
672	6.72	4.02	59.34	5.00	5.13E-007	2.86E-003	14.00	54.67	32.00	33.29	57.27	69.98	0.00	0.00	0.00	0.30	0.00	194.12	-0.07	0.00	0.00	0.00	74.95	2.29	80.27	0.60	18.22	N/A	N/A	N/A	N/A
673	6.73	4.06	59.84	5.00	5.26E-007	2.96E-003	14.00	55.23	32.00	33.30	57.59	70.43	0.00	0.00	0.00	0.30	0.00	194.66	-0.07	0.00	0.00	0.00	75.09	2.28	80.36	0.60	18.23	N/A	N/A	N/A	N/A
674	6.74	4.13	60.06	5.00	5.62E-007	3.22E-003	14.00	56.20	32.00	33.27	57.92	70.87	0.00	0.00	0.00	0.30	0.00	195.21	-0.07	0.00	0.00	0.00	75.14	2.23	80.07	0.59	18.24	N/A	N/A	N/A	N/A
675	6.75	4.19	60.25	5.00	5.93E-007	3.45E-003	14.00	57.04	32.00	33.25	58.20	71.25	0.00	0.00	0.00	0.30	0.00	195.69	-0.07	0.00	0.00	0.00	75.20	2.19	79.84	0.58	18.25	N/A	N/A	N/A	N/A
676	6.76	4.30	60.73	5.00	6.54E-007	3.90E-003	15.00	58.58	33.00	33.23	58.73	71.97	0.00	0.00	0.00	0.30	0.00	196.57	-0.07	0.00	0.00	0.00	75.25	2.13	79.57	0.56	18.27	N/A	N/A	N/A	N/A
677	6.77	4.35	60.98	5.00	6.81E-007	4.11E-003	15.00	59.28	33.00	33.22	58.99	72.33	0.00	0.00	0.00	0.30	0.00	197.02	-0.07	0.00	0.00	0.00	75.35	2.11	79.47	0.56	18.28	N/A	N/A	N/A	N/A
678	6.78	4.36	61.42	5.00	6.77E-007	4.10E-003	15.00	59.41	33.00	33.24	59.20	72.62	0.00	0.00	0.00	0.30	0.00	197.36	-0.07	0.00	0.00	0.00	75.52	2.11	79.70	0.57	18.29	N/A	N/A	N/A	N/A
679	6.79	4.35	61.51	5.00	6.66E-007	4.02E-003	15.00	59.27	33.00	33.25	59.23	72.66	0.00	0.00	0.00	0.30	0.00	197.41	-0.07	0.00	0.00	0.00	75.67	2.12	79.78	0.57	18.29	N/A	N/A	N/A	N/A
680	6.80	4.31	61.48	5.00	6.37E-007	3.81E-003	15.00	58.71	33.00	33.26	59.13	72.52	0.00	0.00	0.00	0.30	0.00	197.25	-0.07	0.00	0.00	0.00	75.82	2.15	79.94	0.58	18.29	N/A	N/A	N/A	N/A
681	6.81	4.19	62.15	5.00	5.49E-007	3.19E-003	14.00	57.03	32.00	33.35	59.00	72.37	0.00	0.00	0.00	0.30	0.00	197.03	-0.07	0.00	0.00	0.00	76.22	2.25	81.05	0.64	18.29	N/A	N/A	N/A	N/A
682	6.82	4.09	63.60	5.00	4.71E-007	2.67E-003	14.00	55.62	32.00	33.49	59.17	72.65	0.00	0.00	0.00	0.30	0.00	197.31	-0.07	0.00	0.00	0.00	76.75	2.36	82.72	0.66	18.30	N/A	N/A	N/A	N/A
683	6.83	3.85	66.15	5.00	3.33E-007	1.78E-003	14.00	52.26	31.00	33.80	59.19	72.75	0.00	0.00	0.00	0.30	0.00	197.34	-0.08	0.00	0.00	0.00	77.76	2.63	86.47	0.67	18.33	N/A	N/A	N/A	N/A
684	6.84	3.73	66.81	5.00	2.83E-007	1.46E-003	14.00	50.58	30.00	33.92	59.01	72.52	0.00	0.00	0.00	0.30	0.00	197.04	-0.08	0.00	0.00	0.00	78.25	2.78	88.03	0.67	18.33	N/A	N/A	N/A	N/A
685	6.85	3.53	67.47	4.00	2.16E-007	1.05E-003	13.00	47.78	0.00	0.00	0.00	71.88	15.00	227.51	1.95	0.30	8.96	196.22	0.00	1.00	3.54	0.00	227.51	3.03	90.53	0.58	18.32	N/A	N/A	N/A	N/A
686	6.86	3.44	67.13	4.00	1.94E-007	9.18E-004	13.00	46.51	0.00	0.00	0.00	71.33	15.00	221.49	1.90	0.30	8.70	195.54	0.00	1.00	3.46	0.00	221.49	3.14	91.19	0.58	18.30	N/A	N/A	N/A	N/A
687	6.87	3.32	66.50	4.00	1.67E-007	7.65E-004	13.00	44.83	0.00	0.00	0.00	70.49	15.00	213.48	1.83	0.30	8.37	194.52	0.00	1.00	3.37	0.00	213.48	3.30	91.99	0.58	18.28	N/A	N/A	N/A	N/A
688	6.88	3.25	66.69	4.00	1.51E-007	6.74E-004	13.00	43.85	0.00	0.00	0.00	70.25	15.00	208.80	1.78	0.30	8.16	194.21	0.00	1.00	3.29	0.00	208.80	3.42	92.94	0.58	18.27	N/A	N/A	N/A	N/A
689	6.89	3.16	66.34	4.00	1.34E-007	5.80E-004	12.00	42.59	0.00	0.00	0.00	69.67	15.00	202.79	1.73	0.30	7.91	193.49	0.00	1.00	3.21	0.00	202.79	3.55	93.70	0.58	18.25	N/A	N/A	N/A	N/A
690	6.90	3.12	65.77	4.00	1.28E-007	5.47E-004	12.00	42.02	0.00	0.00	0.00	69.25	15.00	200.11	1.70	0.30	7.79	193.00	0.00	1.00	3.19	0.00	200.11	3.61	93.68	0.58	18.24	N/A	N/A	N/A	N/A
691	6.91	3.10	65.01	4.00	1.26E-007	5.38E-004	12.00	41.74	0.00	0.00	0.00	68.87	15.00	198.76	1.69	0.30	7.73	192.54	0.00	1.00	3.21	0.00	198.76	3.62	93.24	0.58	18.22	N/A	N/A	N/A	N/A
692	6.92	3.10	65.01	4.00	1.26E-007	5.36E-004	12.00	41.74	0.00	0.00	0.00	68.91	15.00	198.75	1.69	0.30	7.72	192.60	0.00	1.00	3.21	0.00	198.75	3.62	93.22	0.58	18.22	N/A	N/A	N/A	N/A
693	6.93	3.10	65.01	4.00	1.25E-007	5.33E-004	12.00	41.74	0.00	0.00	0.00	68.95	15.00	198.74	1.68	0.30	7.71	192.66	0.00	1.00	3.21	0.00	198.74	3.63	93.20	0.58	18.22	N/A	N/A	N/A	N/A
694	6.94	3.03	54.39	4.00	1.57E-007	6.50E-004	12.00	40.75	0.00	0.00	0.00	63.92	15.00	194.06	1.64	0.30	7.53	186.59	0.00	1.00	3.75	0.00	194.06	3.37	84.63	0.58	18.01	N/A	N/A	N/A	N/A
695	6.95	3.02	53.25	4.00	1.60E-007	6.61E-004	12.00	40.61	0.00	0.00	0.00	63.38	15.00	193.38	1.63	0.30	7.49	185.93	0.00	1.00	3.81	0.00	193.38	3.35	83.68	0.58	17.98	N/A	N/A	N/A	N/A
696	6.96	2.97	51.46	4.00	1.57E-007	6.38E-004	11.00	39.91	0.00	0.00	0.00	62.32	15.00	190.04	1.60	0.30	7.35	184.61	0.00	1.00	3.88	0.00	190.04	3.37	82.58	0.58	17.94	N/A	N/A	N/A	N/A
697	6.97	2.88	49.41	4.00	1.46E-007	5.77E-004	11.00	38.64	0.00	0.00	0.00	60.91	15.00	184.02	1.55	0.30	7.10	182.81	0.00	1.00	3.91	0.00	184.02	3.45	81.67	0.58	17.88	N/A	N/A	N/A	N/A
698	6.98	2.83	48.97	4.00	1.37E-007	5.29E-004	11.00	37.94	0.00	0.00	0.00	60.47	15.00	180.68	1.52	0.30	6.96	182.24	0.00	1.00	3.87	0.00	180.68	3.53	81.82	0.58	17.86	N/A	N/A	N/A	N/A
699	6.99	2.76	48.68	4.00	1.23E-007	4.64E-004	11.00	36.96	0.00	0.00	0.00	60.00	15.00	176.00	1.48	0.30	6.77	181.61	0.00	1.00	3.80	0.00	176.00	3.65	82.35	0.58	17.85	N/A	N/A	N/A	N/A
700	7.00	2.62	48.24	4.00	9.84E-008	3.51E-004	11.00	35.00	0.00	0.00	0.00	59.06	15.00	166.65	1.40	0.30	6.39	180.33	0.00	1.00	3.63	0.00	166.65	3.93	83.62	0.58	17.82	N/A	N/A	N/A	N/A
701	7.01	2.54	47.86	4.00	8.64E-008	2.98E-004	10.00	33.87	0.00	0.00	0.00	58.46	15.00	161.31	1.35	0.30	6.17	179.52	0.00	1.00	3.54	0.00	161.31	4.10	84.24	0.58	17.79	N/A	N/A	N/A	N/A
702	7.02	2.36	47.36	4.00	6.27E-008	2.00E-004	10.00	31.35	0.00	0.00	0.00	57.20	15.00	149.29	1.25	0.30	5.68	177.78	0.00	1.00	3.31	0.00	149.29	4.54	86.07	0.58	17.75	N/A	N/A	N/A	N/A
703	7.03	2.26	47.26	4.00	5.14E-008	1.57E-004	10.00	29.95	0.00	0.00	0.00	56.57	15.00	142.61	1.19	0.30	5.41	176.90	0.00	1.00	3.17	0.00	142.61	4.84	87.29	0.58	17.74	N/A	N/A	N/A	N/A
704	7.04	2.06	49.00	4.00	3.14E-008	8.68E-005	9.00	27.15	0.00	0.00	0.00	56.10	15.00	129.27	1.08	0.30	4.88	176.13	0.00	1.00	2.77	0.00	129.27	5.65	91.77	0.58	17.74	N/A	N/A	N/A	N/A
705	7.05	2.03	51.33	4.00	2.68E-008	7.30E-005	9.00	26.72	0.00	0.00	0.00	56.97	15.00	127.25	1.06	0.30	4.79	177.25	0.00	1.00	2.60	0.00	127.25	5.92	94.48	0.58	17.79	N/A	N/A	N/A	N/A
706	7.06	2.02	57.42	4.00	2.12E-008	5.75E-005	9.00	26.58	0.00	0.00	0.00	59.54	15.00	126.58	1.05	0.30	4.74	180.56	0.00	1.00	2.31	0.00	126.58	6.36	100.46	0.58	17.92	N/A	N/A	N/A	N/A
707	7.07	2.07	60.03	4.00	2.18E-008	6.06E-005	10.00	27.28	0.00	0.00	0.00	61.02	15.00	129.90	1.08	0.30	4.86	182.48	0.00	1.00	2.27	0.00	129.90	6.31	102.17	0.58	17.98	N/A	N/A	N/A	N/A
708	7.08	2.13	62.24	4.00	2.31E-008	6.63E-005	10.00	28.12	0.00	0.00	0.00	62.40	15.00	133.89	1.11	0.30	5.01	184.26	0.00	1.00	2.26	0.00	133.89	6.19	103.33	0.58	18.03	N/A	N/A	N/A	N/A
709	7.09	2.33	66.72	4.00	3.06E-008	9.63E-005	10.00	30.92	0.00	0.00	0.00	65.65	15.00	147.22	1.22	0.30	5.51	188.40	0.00	1.00	2.32	0.00	147.22	5.69	104.54	0.58	18.14	N/A	N/A	N/A	N/A
710	7.10	2.45	66.91	4.00	3.81E-008	1.27E-004	11.00	32.59	0.00	0.00	0.00	66.57	15.00	155.21	1.28	0.30	5.81	189.60	0.00	1.00	2.44	0.00	155.21	5.32	103.00	0.58	18.17	N/A	N/A	N/A	N/A
711	7.11	2.56	67.63	4.00	4.56E-008	1.58E-004	11.00	34.13	0.00	0.00	0.00	67.62	15.00	162.53	1.34	0.30	6.09	190.94	0.00	1.00	2.52	0.00	162.53	5.03	102.08	0.58	18.20	N/A	N/A	N/A	N/A
712	7.12	2.63	65.93	4.00	5.39E-008	1.93E-004	11.00	35.11	0.00	0.00	0.00	67.40	15.00	167.18	1.38	0.30	6.26	190.73	0.00	1.00	2.66	0.00	167.18	4.77	99.60	0.58	18.18	N/A	N/A	N/A	N/A
713	7.13	2.78	63.41	4.00	7.44E-008	2.82E-004	11.00	37.21	0.00	0.00	0.00	67.29	15.00	177.17	1.46	0.30	6.65	190.69	0.00	1.00	2.93	0.00	177.17	4.30	95.36	0.58	18.15	N/A	N/A	N/A	N/A
714	7.14	2.88	62.05	4.00	9.07E-008	3.57E-004	12.00	38.60	0.00	0.00	0.00	67.32	15.00	183.83	1.51	0.30	6.90	190.80	0.00	1.00	3.11	0.00	183.83	4.03	92.85	0.58	18.14	N/A	N/A	N/A	N/A
715	7.15	2.97	60.51	4.00	1.09E-007	4.43E-004	12.00	39.86	0.00	0.00	0.00	67.19	15.00	189.82	1.56	0.30	7.13	190.69	0.00	1.00	3.29	0.00	189.82	3.80	90.36	0.58	18.12	N/A	N/A	N/A	N/A
716	7.16	3.09	58.99	4.00	1.36E-007	5.77E-004	12.00	41.54	0.00	0.00	0.00	67.19	15.00	197.80	1.62	0.30	7.44	190.77	0.00	1.00	3.52	0.00	197.80	3.53	87.58	0.58	18.11	N/A	N/A	N/A	N/A
717	7.17	3.36	56.34	5.00	2.16E-007	9.96E-004	13.00	45.32	28.00	33.47	55.53	67.37	0.00	0.00	0.00	0.30	0.00	191.14	-0.07	0.00	0.00	0.00	80.85	3.03	82.38	0.66	18.09	N/A	N/A	N/A	N/A
718	7.18	3.52	55.37	5.00	2.74E-007	1.33E-003	13.00	47.55	29.00	33.27	55.82	67.71	0.00	0.00	0.00	0.30	0.00	191.64	-0.07	0.00	0.00	0.00	80.36	2.81	80.04	0.59	18.09	N/A	N/A	N/A	N/A
719	7.19	3.80	53.41	5.00	4.11E-007	2.15E-003	13.00	51.47	30.00	32.93	56.14	68.06	0.00	0.00	0.00	0.30	0.00	192.19	-0.06	0.00	0.00	0.00	79.45	2.46	76.21	0.43	18.08	N/A	N/A	N/A	N/A
720	7.20	3.90	52.78	5.00	4.70E-007	2.53E-003	14.00	52.87	30.00	32.82	56.28	68.21	0.00	0.00	0.00	0.30	0.00	192.43	-0.06	0.00	0.00	0.00	79.24	2.36	75.03	0.39	18.07	N/A	N/A	N/A	N/A
721	7.21	4.01	52.21	5.00	5.40E-007	3.00E-003	14.00	54.41	31.00	32.72	56.46	68.42	0.00	0.00	0.00	0.30	0.00	192.73	-0.06	0.00	0.00	0.00	79.04	2.26	73.92	0.35	18.07	N/A	N/A	N/A	N/A
722	7.22	4.26	51.14	5.00	7.32E-007	4.32E-003	14.00	57.91	32.00	32.53	56.87	68.92	0.00	0.00	0.00	0.30	0.00	193.44	-0.05	0.00	0.00	0.00	78.59	2.06	71.93	0.30	18.07	N/A	N/A	N/A	N/A
723	7.23	4.41	50.48	5.00	8.72E-007	5.33E-003	15.00	60.00	32.00	32.44	57.11	69.20	0.00	0.00	0.00	0.30	0.00	193.84	-0.05	0.00	0.00	0.00	78.42	1.96	70.94	0.28	18.07	N/A	N/A	N/A	N/A
724	7.24	4.56	49.75	5.00	1.03E-006	6.55E-003	15.00	62.10	33.00	32.35	57.30	69.42	0.00	0.00	0.00	0.30	0.00	194.16	-0.05	0.00	0.00	0.00	78.27	1.87	70.07	0.26	18.06	N/A	N/A	N/A	N/A
725	7.25	4.84	48.97	5.00	1.38E-006	9.30E-003	15.00	66.02	34.00	32.27	57.80	70.05	0.00	0.00	0.00	0.30	0.00	195.02	-0.05	0.00	0.00	0.00	78.14	1.73	69.25	0.24	18.07	N/A	N/A	N/A	N/A
726	7.26	4.90	49.00	5.00	1.45E-006	9.91E-003	15.00	66.86	34.00	32.27	58.00	70.31	0.00	0.00	0.00	0.30	0.00	195.35	-0.05	0.00	0.00	0.00	78.25	1.71	69.23	0.24	18.07	N/A	N/A	N/A	N/A

	In situ data								Estimations																			
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
727	7.27	4.85	52.15	5.00	1.24E-006	8.38E-003	15.00	66.15	34.00	32.45	59.05	71.85	0.00	0.00	0.00	0.30	0.00	197.10	-0.05	0.00	0.00	0.00	78.90	1.78	71.03	0.28	18.14	N/A	N/A	N/A	N/A
728	7.28	4.77	53.88	5.00	1.09E-006	7.20E-003	15.00	65.03	33.00	32.55	59.48	72.49	0.00	0.00	0.00	0.30	0.00	197.82	-0.05	0.00	0.00	0.00	79.34	1.84	72.13	0.30	18.17	N/A	N/A	N/A	N/A
729	7.29	4.54	56.47	5.00	7.99E-007	5.03E-003	15.00	61.81	33.00	32.76	59.76	72.98	0.00	0.00	0.00	0.30	0.00	198.30	-0.06	0.00	0.00	0.00	80.09	2.01	74.33	0.36	18.21	N/A	N/A	N/A	N/A
730	7.30	4.42	57.48	5.00	6.84E-007	4.19E-003	15.00	60.13	32.00	32.86	59.79	73.06	0.00	0.00	0.00	0.30	0.00	198.34	-0.06	0.00	0.00	0.00	80.52	2.10	75.44	0.40	18.22	N/A	N/A	N/A	N/A
731	7.31	4.18	59.56	5.00	4.97E-007	2.88E-003	14.00	56.76	31.00	33.10	59.79	73.14	0.00	0.00	0.00	0.30	0.00	198.35	-0.06	0.00	0.00	0.00	81.38	2.32	78.11	0.50	18.24	N/A	N/A	N/A	N/A
732	7.32	4.10	60.38	5.00	4.43E-007	2.51E-003	14.00	55.64	31.00	33.19	59.85	73.24	0.00	0.00	0.00	0.30	0.00	198.43	-0.07	0.00	0.00	0.00	81.79	2.40	79.18	0.55	18.25	N/A	N/A	N/A	N/A
733	7.33	4.00	61.20	5.00	3.86E-007	2.13E-003	14.00	54.24	30.00	33.30	59.83	73.24	0.00	0.00	0.00	0.30	0.00	198.40	-0.07	0.00	0.00	0.00	82.25	2.51	80.46	0.61	18.25	N/A	N/A	N/A	N/A
734	7.34	3.83	61.42	5.00	3.14E-007	1.66E-003	14.00	51.85	30.00	33.43	59.37	72.63	0.00	0.00	0.00	0.30	0.00	197.64	-0.07	0.00	0.00	0.00	82.76	2.68	81.91	0.66	18.24	N/A	N/A	N/A	N/A
735	7.35	3.75	60.92	5.00	2.89E-007	1.49E-003	14.00	50.73	29.00	33.45	58.97	72.07	0.00	0.00	0.00	0.30	0.00	196.98	-0.07	0.00	0.00	0.00	82.95	2.76	82.18	0.66	18.22	N/A	N/A	N/A	N/A
736	7.36	3.61	59.84	5.00	2.50E-007	1.24E-003	13.00	48.77	29.00	33.48	58.17	70.96	0.00	0.00	0.00	0.30	0.00	195.64	-0.07	0.00	0.00	0.00	83.17	2.89	82.54	0.66	18.19	N/A	N/A	N/A	N/A
737	7.37	3.56	59.47	5.00	2.37E-007	1.16E-003	13.00	48.07	28.00	33.49	57.91	70.59	0.00	0.00	0.00	0.30	0.00	195.20	-0.07	0.00	0.00	0.00	83.32	2.94	82.68	0.66	18.17	N/A	N/A	N/A	N/A
738	7.38	3.41	58.99	4.00	1.97E-007	9.23E-004	13.00	45.96	0.00	0.00	0.00	69.69	15.00	218.87	1.74	0.30	8.03	194.09	0.00	1.00	3.90	0.00	218.87	3.13	83.71	0.58	18.15	N/A	N/A	N/A	N/A
739	7.39	3.33	59.24	4.00	1.75E-007	7.99E-004	13.00	44.84	0.00	0.00	0.00	69.45	15.00	213.53	1.69	0.30	7.81	193.78	0.00	1.00	3.78	0.00	213.53	3.25	84.71	0.58	18.14	N/A	N/A	N/A	N/A
740	7.40	3.14	59.12	4.00	1.34E-007	5.75E-004	12.00	42.18	0.00	0.00	0.00	68.47	15.00	200.85	1.59	0.30	7.32	192.54	0.00	1.00	3.57	0.00	200.85	3.55	86.64	0.58	18.12	N/A	N/A	N/A	N/A
741	7.41	3.01	58.74	4.00	1.11E-007	4.58E-004	12.00	40.36	0.00	0.00	0.00	67.65	15.00	192.17	1.52	0.30	6.98	191.51	0.00	1.00	3.44	0.00	192.17	3.77	87.77	0.58	18.10	N/A	N/A	N/A	N/A
742	7.42	2.87	58.20	4.00	9.07E-008	3.55E-004	12.00	38.39	0.00	0.00	0.00	66.68	15.00	182.82	1.44	0.30	6.61	190.28	0.00	1.00	3.30	0.00	182.82	4.03	88.93	0.58	18.07	N/A	N/A	N/A	N/A
743	7.43	2.55	55.81	4.00	5.67E-008	1.96E-004	11.00	33.91	0.00	0.00	0.00	63.79	15.00	161.47	1.27	0.30	5.80	186.59	0.00	1.00	3.04	0.00	161.47	4.69	90.72	0.58	17.97	N/A	N/A	N/A	N/A
744	7.44	2.37	54.80	4.00	4.16E-008	1.33E-004	10.00	31.39	0.00	0.00	0.00	62.26	15.00	149.46	1.18	0.30	5.34	184.59	0.00	1.00	2.86	0.00	149.46	5.17	92.07	0.58	17.92	N/A	N/A	N/A	N/A
745	7.45	2.03	54.33	4.00	2.05E-008	5.56E-005	9.00	26.62	0.00	0.00	0.00	59.80	15.00	126.78	1.00	0.30	4.48	181.27	0.00	1.00	2.45	0.00	126.78	6.42	95.96	0.58	17.85	N/A	N/A	N/A	N/A
746	7.46	1.88	54.58	3.00	1.43E-008	3.49E-005	9.00	24.05	0.00	0.00	0.00	58.74	15.00	116.77	0.92	0.30	4.12	179.78	0.00	1.00	2.25	0.00	116.77	7.15	98.12	0.58	17.83	N/A	N/A	N/A	N/A
747	7.47	1.74	55.27	3.00	9.74E-009	2.02E-005	9.00	20.33	0.00	0.00	0.00	57.85	15.00	107.42	0.84	0.30	3.78	178.47	0.00	1.00	2.04	0.00	107.42	7.97	100.53	0.58	17.82	N/A	N/A	N/A	N/A
748	7.48	1.52	57.76	3.00	4.79E-009	7.39E-006	8.00	15.13	0.00	0.00	0.00	56.77	15.00	92.74	0.73	0.30	3.26	176.81	0.00	1.00	1.69	0.00	92.74	9.69	105.42	0.45	17.81	N/A	N/A	N/A	N/A
749	7.49	1.43	59.53	3.00	3.40E-009	4.57E-006	8.00	13.21	0.00	0.00	0.00	56.54	15.00	86.73	0.68	0.30	3.05	176.40	0.00	1.00	1.53	0.00	86.73	10.63	107.94	0.46	17.83	N/A	N/A	N/A	N/A
750	7.50	1.37	61.51	3.00	2.60E-009	3.18E-006	8.00	12.00	0.00	0.00	0.00	56.65	15.00	82.71	0.64	0.30	2.90	176.46	0.00	1.00	1.41	0.00	82.71	11.40	110.24	0.48	17.85	N/A	N/A	N/A	N/A
751	7.51	1.20	67.88	3.00	1.15E-009	1.05E-006	7.00	8.92	0.00	0.00	0.00	56.87	15.00	71.37	0.56	0.30	2.50	176.49	0.00	1.00	1.10	0.00	71.37	14.05	117.06	0.53	17.91	N/A	N/A	N/A	N/A
752	7.52	1.12	71.60	3.00	8.64E-010	6.72E-007	7.00	7.63	0.00	0.00	0.00	57.05	15.00	66.02	0.51	0.30	2.31	176.60	0.00	1.00	0.97	0.00	66.02	15.66	120.58	0.56	17.94	N/A	N/A	N/A	N/A
753	7.53	1.07	72.77	3.00	7.70E-010	5.39E-007	7.00	6.86	0.00	0.00	0.00	56.74	15.00	62.68	0.49	0.30	2.19	176.11	0.00	1.00	0.90	0.00	62.68	16.68	121.76	0.56	17.95	N/A	N/A	N/A	N/A
754	7.54	1.13	71.54	3.00	8.80E-010	6.96E-007	7.00	7.76	0.00	0.00	0.00	57.24	15.00	66.70	0.52	0.30	2.33	176.89	0.00	1.00	0.98	0.00	66.70	15.51	120.33	0.55	17.95	N/A	N/A	N/A	N/A
755	7.55	1.20	69.74	3.00	1.08E-009	9.75E-007	7.00	8.87	0.00	0.00	0.00	57.63	15.00	71.37	0.55	0.30	2.49	177.52	0.00	1.00	1.07	0.00	71.37	14.27	118.31	0.54	17.94	N/A	N/A	N/A	N/A
756	7.56	1.27	67.38	3.00	1.50E-009	1.54E-006	8.00	10.06	0.00	0.00	0.00	57.76	15.00	76.03	0.59	0.30	2.65	177.81	0.00	1.00	1.18	0.00	76.03	13.13	115.76	0.52	17.92	N/A	N/A	N/A	N/A
757	7.57	1.36	63.28	3.00	2.33E-009	2.77E-006	8.00	11.69	0.00	0.00	0.00	57.42	15.00	82.02	0.63	0.30	2.85	177.51	0.00	1.00	1.36	0.00	82.02	11.73	111.45	0.49	17.88	N/A	N/A	N/A	N/A
758	7.58	1.37	62.21	3.00	2.48E-009	3.00E-006	8.00	11.86	0.00	0.00	0.00	57.18	15.00	82.68	0.64	0.30	2.87	177.22	0.00	1.00	1.40	0.00	82.68	11.54	110.39	0.48	17.86	N/A	N/A	N/A	N/A
759	7.59	1.31	60.57	3.00	2.10E-009	2.29E-006	8.00	10.72	0.00	0.00	0.00	55.91	15.00	78.67	0.61	0.30	2.73	175.48	0.00	1.00	1.36	0.00	78.67	12.05	109.49	0.47	17.81	N/A	N/A	N/A	N/A
760	7.60	1.29	59.31	3.00	2.02E-009	2.13E-006	7.00	10.34	0.00	0.00	0.00	55.24	15.00	77.32	0.59	0.30	2.68	174.57	0.00	1.00	1.37	0.00	77.32	12.17	108.53	0.46	17.78	N/A	N/A	N/A	N/A
761	7.61	1.28	55.78	3.00	2.17E-009	2.25E-006	7.00	10.15	0.00	0.00	0.00	53.82	15.00	76.64	0.59	0.30	2.65	172.67	0.00	1.00	1.44	0.00	76.64	11.95	105.45	0.43	17.71	N/A	N/A	N/A	N/A
762	7.62	1.28	54.48	3.00	2.26E-009	2.33E-006	7.00	10.13	0.00	0.00	0.00	53.35	15.00	76.63	0.59	0.30	2.64	172.05	0.00	1.00	1.48	0.00	76.63	11.82	104.23	0.42	17.68	N/A	N/A	N/A	N/A
763	7.63	1.31	54.11	3.00	2.54E-009	2.76E-006	7.00	10.65	0.00	0.00	0.00	53.58	15.00	78.62	0.60	0.30	2.71	172.41	0.00	1.00	1.53	0.00	78.62	11.47	103.56	0.41	17.68	N/A	N/A	N/A	N/A
764	7.64	1.32	53.60	3.00	2.67E-009	2.94E-006	7.00	10.81	0.00	0.00	0.00	53.52	15.00	79.28	0.61	0.30	2.73	172.36	0.00	1.00	1.55	0.00	79.28	11.32	102.95	0.41	17.67	N/A	N/A	N/A	N/A
765	7.65	1.33	49.94	3.00	3.13E-009	3.51E-006	7.00	10.98	0.00	0.00	0.00	52.20	15.00	79.93	0.61	0.30	2.75	170.59	0.00	1.00	1.68	0.00	79.93	10.86	99.42	0.38	17.60	N/A	N/A	N/A	N/A
766	7.66	1.30	47.89	3.00	3.02E-009	3.21E-006	7.00	10.42	0.00	0.00	0.00	51.05	15.00	77.92	0.59	0.30	2.67	168.98	0.00	1.00	1.71	0.00	77.92	10.96	97.72	0.37	17.54	N/A	N/A	N/A	N/A
767	7.67	1.23	46.47	3.00	2.44E-009	2.29E-006	7.00	9.19	0.00	0.00	0.00	49.71	15.00	73.24	0.56	0.30	2.51	167.01	0.00	1.00	1.65	0.00	73.24	11.59	96.96	0.35	17.48	N/A	N/A	N/A	N/A
768	7.68	1.08	45.28	3.00	1.37E-009	9.52E-007	6.00	6.84	0.00	0.00	0.00	47.45	15.00	63.23	0.48	0.30	2.16	163.55	0.00	1.00	1.47	0.00	63.23	13.45	97.02	0.34	17.40	N/A	N/A	N/A	N/A
769	7.69	0.99	45.06	3.00	9.42E-010	5.37E-007	6.00	5.59	0.00	0.00	0.00	46.22	15.00	57.21	0.43	0.30	1.96	161.59	0.00	1.00	1.33	0.00	57.21	14.94	97.39	0.34	17.36	N/A	N/A	N/A	N/A
770	7.70	0.93	44.84	3.00	8.22E-010	4.05E-007	6.00	4.83	0.00	0.00	0.00	45.32	15.00	53.20	0.40	0.30	1.82	160.15	0.00	1.00	1.25	0.00	53.20	16.10	97.49	0.34	17.33	N/A	N/A	N/A	N/A
771	7.71	0.82	43.76	3.00	6.30E-010	2.30E-007	6.00	3.58	0.00	0.00	0.00	43.28	15.00	45.85	0.35	0.30	1.56	156.85	0.00	1.00	1.10	0.00	45.85	18.60	96.94	0.33	17.26	N/A	N/A	N/A	N/A
772	7.72	0.77	42.88	3.00	5.53E-010	1.73E-007	5.00	3.08	0.00	0.00	0.00	42.16	15.00	42.51	0.32	0.30	1.45	155.02	0.00	1.00	1.04	0.00	42.51	19.94	96.23	0.32	17.21	N/A	N/A	N/A	N/A
773	7.73	0.70	38.43	3.00	4.85E-010	1.21E-007	5.00	2.45	0.00	0.00	0.00	39.28	15.00	37.95	0.29	0.30	1.29	150.34	0.00	1.00	1.04	0.00	37.95	21.37	91.96	0.29	17.05	N/A	N/A	N/A	N/A
774	7.74	0.69	35.91	3.00	4.99E-010	1.21E-007	5.00	2.38	0.00	0.00	0.00	38.16	15.00	37.45	0.28	0.30	1.27	148.53	0.00	1.00	1.09	0.00	37.45	21.07	89.32	0.27	16.97	N/A	N/A	N/A	N/A
775	7.75	0.70	33.64	3.00	5.45E-010	1.38E-007	5.00	2.48	0.00	0.00	0.00	37.42	15.00	38.21	0.29	0.30	1.30	147.39	0.00	1.00	1.19	0.00	38.21	20.09	86.82	0.25	16.90	N/A	N/A	N/A	N/A
776	7.76	0.73	28.66	3.00	6.95E-010	1.98E-007	5.00	2.80	0.00	0.00	0.00	35.79	15.00	40.68	0.31	0.30	1.38	144.86	0.00	0.72	1.49	21.31	40.68	17.64	81.05	0.22	16.73	N/A	N/A	N/A	N/A
777	7.77	0.76	26.30	3.00	8.30E-010	2.67E-007	5.00	3.16	0.00	0.00	0.00	35.22	15.00	43.21	0.32	0.30	1.46	144.04	0.00	0.70	1.73	23.47	43.21	16.01	78.04	0.20	16.65	N/A	N/A	N/A	N/A
778	7.78	0.89	22.83	3.00	1.91E-009	9.03E-007	5.00	4.63	0.00	0.00	0.00	35.18	15.00	52.37	0.39	0.30	1.77	144.39	0.00	0.72	2.41	25.91	52.37	12.34	72.82	0.17	16.55	N/A	N/A	N/A	N/A
779	7.79	0.98	21.50	3.00	3.35E-009	1.98E-006	6.00	5.79	0.00	0.00	0.00	35.48	15.00	58.59	0.44	0.30	1.98	145.15	0.00	0.74	2.86	27.07	58.59	10.66	70.29	0.16	16.52	N/A	N/A	N/A	N/A
780	7.80	1.19	20.65	3.00	8.82E-009	8.03E-006	6.00	8.94	0.00	0.00	0.00	37.10	15.00	72.83	0.55	0.30	2.46	148.29	0.00	0.80	3.70	28.80	72.83	8.20	67.07	0.20	16.55	N/A	N/A	N/A	N/A
781	7.81	1.26	20.49	4.00	1.15E-008	1.19E-005	6.00	10.11	0.00	0.00	0.00	37.64	15.00	77.49	0.58	0.30	2.61	149.32	0.00	0.82	3.97	29.13	77.49	7.60	66.09	0.18	16.56	N/A	N/A	N/A	N/A
782	7.82	1.31	20.15	4.00	1.40E-008	1.56E-005	6.00	10.97	0.00	0.00	0.00	37.87	15.00	80.77	0.60	0.30	2.72	149.79	0.00	0.83	4.21	29.27	80.77	7.19	65.06	0.17	16.56	N/A	N/A	N/A	N/A
783	7.83	1.38	19.36	4.00	1.86E-008	2.32E-005	7.00	12.24	0.00	0.00	0.00	37.94	15.00	85.36	0.64	0.30	2.87	150.06	0.00	0.85	4.63	29.43	85.36	6.61	63.16	0.15	16.53	N/A	N/A	N/A	N/A
784	7.84	1.40	20.24	4.00	1.85E-008	2.37E-005	7.00	12.60	0.00	0.00	0.00	38.70	15.00	86.66	0.65	0.30	2.91	151.29	0.00	0.86	4.50	29.45	86.66	6.62	64.18	0.16	16.59	N/A	N/A	N/A	N/A
785	7.85	1.44	21.98	4.00	1.84E-008	2.51E-005	7.00	13.36	0.00	0.00	0.00	40.16	15.00	89.32	0.66	0.30	2.99	153.63	0.00	0.87	4.27	29.61	89.32	6.63	66.12	0.19	16.69	N/A	N/A	N/A	N/A
786	7.86	1.63	26.61	4.00	2.39E-008	4.25E-005	8.00	17.45	0.00	0.00	0.00	44.46	15.00	102.02	0.76	0.30	3.42	160.37	0.00	0.92	4.03	30.39	102.02	6.13	69.96	0.25	16.96	N/A	N/A	N/A	N/A
787	7.87	1.75	28.94	4.00	2.88E-008	5.98E-005	8.00	20.35	0.00	0.00	0.00	46.69	15.00	110.05	0.82	0.30	3.70	163.75	0.00	0.95	3.99	30.86	110.05	5.79	71.41	0.29	17.08	N/A	N/A	N/A	N/A
788	7.88	1.84	32.03	4.00	3.06E-008	7.04E-005	8.00	22.61	0.00	0.00	0.00	49.10	15.00	116.04	0.86	0.30	3.90	167.27	0.00	1.00	3.80	0.00	116.04	5.69	73.95	0.35	17.22	N/A	N/A	N/A	N/A
789	7.89	1.97	34.75	4.00	3.62E-008	9.63E-005	9.00	26.11	0.00	0.00	0.00	51.49	15.00	124.60	0.92	0.30	4.19	170.69	0.00	1.00	3.76	0.00	124.60	5.40	75.47	0.40	17.34	N/A	N/A	N/A	N/A
790	7.90	2.03	34.94	4.00	4.03E-008	1.11E-004	9.00	26.90	0.00	0.00	0.00	51.95	15.00	128.10	0.95	0.30	4.31	171.38	0.00	1.00	3.85	0.00	128.10	5.22	75.05	0.39	17.35	N/A	N/A	N/A	N/A
791	7.91	1.97	36.16	4.00	3.24E-008	8.43E-005	9.00	25.56	0.00	0.00	0.00	52.23	15.00	123.54	0.91	0.30	4.14	171.70	0.00	1.00	3.59	0.00	123.54	5.59	77.14	0.46	17.38	N/A	N/A	N/A	N/A
792	7.92	1.97	36.16	4.00	3.22E-008	8.38E-005	9.00	25.52	0.00	0.00	0.00	52.26	15.00	123.53	0.91	0.30	4.13	171.75	0.00	1.00	3.59	0.00	123.53	5.60	77.12	0.46	17.38	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
793	7.93	1.97	36.16	4.00	3.21E-008	8.34E-005	9.00	25.48	0.00	0.00	0.00	52.29	15.00	123.52	0.91	0.30	4.13	171.80	0.00	1.00	3.59	0.00	123.52	5.61	77.10	0.46	17.38	N/A	N/A	N/A	N/A
794	7.94	2.10	58.80	3.00	1.76E-008	4.93E-005	10.00	27.57	0.00	0.00	0.00	64.06	15.00	131.27	0.97	0.30	4.35	187.05	0.00	1.00	2.34	0.00	131.27	6.72	97.42	0.58	17.96	N/A	N/A	N/A	N/A
795	7.95	1.95	63.09	3.00	1.10E-008	2.71E-005	10.00	24.27	0.00	0.00	0.00	64.58	15.00	121.15	0.89	0.30	4.01	187.54	0.00	1.00	2.02	0.00	121.15	7.71	102.95	0.58	18.01	N/A	N/A	N/A	N/A
796	7.96	1.83	65.93	3.00	7.50E-009	1.61E-005	9.00	21.11	0.00	0.00	0.00	64.63	15.00	113.07	0.83	0.30	3.73	187.48	0.00	1.00	1.80	0.00	113.07	8.57	106.72	0.58	18.04	N/A	N/A	N/A	N/A
797	7.97	1.71	67.82	3.00	5.18E-009	9.61E-006	9.00	18.19	0.00	0.00	0.00	64.21	15.00	105.03	0.77	0.30	3.46	186.84	0.00	1.00	1.63	0.00	105.03	9.49	109.59	0.50	18.04	N/A	N/A	N/A	N/A
798	7.98	1.51	71.38	3.00	2.63E-009	3.71E-006	9.00	13.84	0.00	0.00	0.00	63.41	15.00	91.67	0.67	0.30	3.02	185.61	0.00	1.00	1.35	0.00	91.67	11.37	114.43	0.52	18.06	N/A	N/A	N/A	N/A
799	7.99	1.45	72.39	3.00	2.11E-009	2.72E-006	8.00	12.64	0.00	0.00	0.00	63.10	15.00	87.67	0.64	0.30	2.88	185.16	0.00	1.00	1.27	0.00	87.67	12.04	115.71	0.53	18.06	N/A	N/A	N/A	N/A
800	8.00	1.34	73.46	3.00	1.41E-009	1.52E-006	8.00	10.61	0.00	0.00	0.00	62.17	15.00	80.35	0.59	0.30	2.64	183.84	0.00	1.00	1.15	0.00	80.35	13.34	117.40	0.54	18.04	N/A	N/A	N/A	N/A
801	8.01	1.30	73.05	3.00	1.23E-009	1.24E-006	8.00	9.90	0.00	0.00	0.00	61.55	15.00	77.68	0.57	0.30	2.55	183.02	0.00	1.00	1.12	0.00	77.68	13.81	117.34	0.53	18.03	N/A	N/A	N/A	N/A
802	8.02	1.28	71.92	3.00	1.17E-009	1.14E-006	8.00	9.55	0.00	0.00	0.00	60.93	15.00	76.34	0.56	0.30	2.50	182.22	0.00	1.00	1.11	0.00	76.34	13.98	116.56	0.52	18.00	N/A	N/A	N/A	N/A
803	8.03	1.29	67.51	3.00	1.36E-009	1.35E-006	8.00	9.70	0.00	0.00	0.00	59.55	15.00	77.00	0.56	0.30	2.52	180.50	0.00	1.00	1.20	0.00	77.00	13.45	112.99	0.49	17.93	N/A	N/A	N/A	N/A
804	8.04	1.34	65.39	3.00	1.73E-009	1.86E-006	8.00	10.54	0.00	0.00	0.00	59.45	15.00	80.33	0.58	0.30	2.63	180.45	0.00	1.00	1.29	0.00	80.33	12.67	110.84	0.47	17.91	N/A	N/A	N/A	N/A
805	8.05	1.39	63.63	3.00	2.16E-009	2.51E-006	8.00	11.42	0.00	0.00	0.00	59.43	15.00	83.65	0.61	0.30	2.73	180.51	0.00	1.00	1.38	0.00	83.65	11.97	108.93	0.46	17.89	N/A	N/A	N/A	N/A
806	8.06	1.52	60.63	3.00	3.58E-009	5.06E-006	8.00	13.89	0.00	0.00	0.00	59.78	15.00	92.32	0.67	0.30	3.01	181.15	0.00	1.00	1.60	0.00	92.32	10.48	105.18	0.44	17.87	N/A	N/A	N/A	N/A
807	8.07	1.55	59.72	3.00	4.01E-009	5.92E-006	8.00	14.48	0.00	0.00	0.00	59.78	15.00	94.31	0.68	0.30	3.07	181.20	0.00	1.00	1.66	0.00	94.31	10.17	104.06	0.43	17.86	N/A	N/A	N/A	N/A
808	8.08	1.61	58.61	3.00	4.94E-009	7.91E-006	9.00	15.71	0.00	0.00	0.00	59.99	15.00	98.31	0.71	0.30	3.20	181.55	0.00	1.00	1.76	0.00	98.31	9.62	102.45	0.42	17.85	N/A	N/A	N/A	N/A
809	8.09	1.73	57.38	3.00	7.14E-009	1.33E-005	9.00	18.35	0.00	0.00	0.00	60.71	15.00	106.31	0.77	0.30	3.45	182.62	0.00	1.00	1.95	0.00	106.31	8.69	100.04	0.58	17.86	N/A	N/A	N/A	N/A
810	8.10	1.83	57.92	3.00	9.06E-009	1.91E-005	9.00	20.70	0.00	0.00	0.00	61.90	15.00	112.98	0.81	0.30	3.66	184.24	0.00	1.00	2.05	0.00	112.98	8.13	99.34	0.58	17.89	N/A	N/A	N/A	N/A
811	8.11	2.02	59.97	3.00	1.33E-008	3.47E-005	10.00	25.56	0.00	0.00	0.00	64.48	15.00	125.64	0.90	0.30	4.07	187.63	0.00	1.00	2.20	0.00	125.64	7.29	98.84	0.58	17.97	N/A	N/A	N/A	N/A
812	8.12	2.14	60.00	3.00	1.72E-008	4.93E-005	10.00	28.06	0.00	0.00	0.00	65.53	15.00	133.63	0.96	0.30	4.32	189.04	0.00	1.00	2.34	0.00	133.63	6.76	97.39	0.58	17.99	N/A	N/A	N/A	N/A
813	8.13	2.36	62.87	4.00	2.47E-008	7.86E-005	11.00	31.14	0.00	0.00	0.00	68.46	15.00	148.29	1.06	0.30	4.80	192.73	0.00	1.00	2.48	0.00	148.29	6.07	97.16	0.58	18.08	N/A	N/A	N/A	N/A
814	8.14	2.45	65.01	4.00	2.76E-008	9.12E-005	11.00	32.40	0.00	0.00	0.00	70.04	15.00	154.28	1.11	0.30	5.00	194.65	0.00	1.00	2.49	0.00	154.28	5.87	97.86	0.58	18.13	N/A	N/A	N/A	N/A
815	8.15	2.50	65.46	4.00	2.99E-008	1.01E-004	11.00	33.10	0.00	0.00	0.00	70.60	15.00	157.60	1.13	0.30	5.11	195.34	0.00	1.00	2.53	0.00	157.60	5.73	97.62	0.58	18.15	N/A	N/A	N/A	N/A
816	8.16	2.37	67.60	4.00	2.18E-008	6.94E-005	11.00	31.27	0.00	0.00	0.00	70.70	15.00	148.92	1.06	0.30	4.79	195.40	0.00	1.00	2.31	0.00	148.92	6.31	100.80	0.58	18.17	N/A	N/A	N/A	N/A
817	8.17	2.28	69.81	3.00	1.71E-008	5.24E-005	11.00	30.01	0.00	0.00	0.00	70.93	15.00	142.91	1.02	0.30	4.59	195.59	0.00	1.00	2.15	0.00	142.91	6.77	103.64	0.58	18.19	N/A	N/A	N/A	N/A
818	8.18	2.23	71.86	3.00	1.46E-008	4.38E-005	11.00	29.31	0.00	0.00	0.00	71.36	15.00	139.56	1.00	0.30	4.48	196.06	0.00	1.00	2.04	0.00	139.56	7.09	105.84	0.58	18.21	N/A	N/A	N/A	N/A
819	8.19	2.25	74.00	3.00	1.44E-008	4.34E-005	11.00	29.59	0.00	0.00	0.00	72.41	15.00	140.89	1.00	0.30	4.52	197.29	0.00	1.00	2.00	0.00	140.89	7.12	107.24	0.58	18.25	N/A	N/A	N/A	N/A
820	8.20	2.29	77.06	3.00	1.44E-008	4.43E-005	11.00	30.14	0.00	0.00	0.00	73.98	15.00	143.54	1.02	0.30	4.60	199.12	0.00	1.00	1.96	0.00	143.54	7.12	109.09	0.58	18.30	N/A	N/A	N/A	N/A
821	8.21	2.44	83.05	3.00	1.66E-008	5.47E-005	12.00	32.24	0.00	0.00	0.00	77.56	15.00	153.54	1.09	0.30	4.91	203.27	0.00	1.00	1.94	0.00	153.54	6.83	111.73	0.58	18.41	N/A	N/A	N/A	N/A
822	8.22	2.49	84.34	3.00	1.77E-008	5.93E-005	12.00	32.94	0.00	0.00	0.00	78.50	15.00	156.86	1.11	0.30	5.01	204.36	0.00	1.00	1.95	0.00	156.86	6.71	112.03	0.58	18.44	N/A	N/A	N/A	N/A
823	8.23	2.42	83.93	3.00	1.56E-008	5.09E-005	12.00	31.96	0.00	0.00	0.00	77.81	15.00	152.18	1.08	0.30	4.85	203.55	0.00	1.00	1.90	0.00	152.18	6.96	112.55	0.58	18.42	N/A	N/A	N/A	N/A
824	8.24	2.34	83.27	3.00	1.36E-008	4.26E-005	11.00	30.83	0.00	0.00	0.00	76.92	15.00	146.83	1.04	0.30	4.68	202.50	0.00	1.00	1.85	0.00	146.83	7.25	112.99	0.58	18.40	N/A	N/A	N/A	N/A
825	8.25	2.18	81.79	3.00	1.01E-008	2.95E-005	11.00	28.59	0.00	0.00	0.00	75.00	15.00	136.14	0.96	0.30	4.33	200.22	0.00	1.00	1.75	0.00	136.14	7.88	113.75	0.58	18.35	N/A	N/A	N/A	N/A
826	8.26	2.21	82.14	3.00	1.07E-008	3.15E-005	11.00	29.01	0.00	0.00	0.00	75.44	15.00	138.13	0.98	0.30	4.39	200.75	0.00	1.00	1.77	0.00	138.13	7.77	113.61	0.58	18.36	N/A	N/A	N/A	N/A
827	8.27	2.44	83.30	3.00	1.62E-008	5.33E-005	12.00	32.23	0.00	0.00	0.00	77.91	15.00	153.46	1.08	0.30	4.87	203.71	0.00	1.00	1.93	0.00	153.46	6.88	111.67	0.58	18.42	N/A	N/A	N/A	N/A
828	8.28	2.56	85.07	3.00	1.93E-008	6.67E-005	12.00	33.91	0.00	0.00	0.00	79.61	15.00	161.46	1.14	0.30	5.12	205.68	0.00	1.00	1.99	0.00	161.46	6.54	111.46	0.58	18.46	N/A	N/A	N/A	N/A
829	8.29	2.71	85.70	4.00	2.46E-008	9.05E-005	12.00	36.00	0.00	0.00	0.00	81.01	15.00	171.45	1.21	0.30	5.44	207.31	0.00	1.00	2.10	0.00	171.45	6.08	110.11	0.58	18.49	N/A	N/A	N/A	N/A
830	8.30	2.80	84.09	4.00	2.97E-008	1.13E-004	13.00	37.26	0.00	0.00	0.00	81.00	15.00	177.44	1.25	0.30	5.64	207.35	0.00	1.00	2.22	0.00	177.44	5.74	107.90	0.58	18.48	N/A	N/A	N/A	N/A
831	8.31	2.83	83.71	4.00	3.14E-008	1.21E-004	13.00	37.68	0.00	0.00	0.00	81.08	15.00	179.43	1.26	0.30	5.70	207.47	0.00	1.00	2.25	0.00	179.43	5.64	107.24	0.58	18.48	N/A	N/A	N/A	N/A
832	8.32	2.98	82.42	4.00	4.11E-008	1.67E-004	13.00	39.78	0.00	0.00	0.00	81.54	15.00	189.41	1.33	0.30	6.04	208.04	0.00	1.00	2.41	0.00	189.41	5.19	104.56	0.58	18.48	N/A	N/A	N/A	N/A
833	8.33	3.02	82.07	4.00	4.40E-008	1.81E-004	13.00	40.33	0.00	0.00	0.00	81.68	15.00	192.07	1.34	0.30	6.13	208.22	0.00	1.00	2.46	0.00	192.07	5.08	103.82	0.58	18.48	N/A	N/A	N/A	N/A
834	8.34	3.03	81.98	4.00	4.46E-008	1.84E-004	13.00	40.47	0.00	0.00	0.00	81.75	15.00	192.72	1.35	0.30	6.14	208.31	0.00	1.00	2.47	0.00	192.72	5.06	103.60	0.58	18.48	N/A	N/A	N/A	N/A
835	8.35	3.16	80.94	4.00	5.55E-008	2.39E-004	13.00	42.29	0.00	0.00	0.00	82.13	15.00	201.39	1.41	0.30	6.43	208.78	0.00	1.00	2.61	0.00	201.39	4.73	101.35	0.58	18.48	N/A	N/A	N/A	N/A
836	8.36	3.27	79.64	4.00	6.69E-008	2.99E-004	14.00	43.83	0.00	0.00	0.00	82.25	15.00	208.71	1.45	0.30	6.68	208.96	0.00	1.00	2.75	0.00	208.71	4.45	99.15	0.58	18.48	N/A	N/A	N/A	N/A
837	8.37	3.41	77.09	4.00	8.64E-008	4.03E-004	14.00	45.79	0.00	0.00	0.00	81.96	15.00	218.03	1.52	0.30	7.01	208.71	0.00	1.00	2.97	0.00	218.03	4.10	95.74	0.58	18.46	N/A	N/A	N/A	N/A
838	8.38	3.65	72.90	4.00	1.31E-007	6.58E-004	14.00	49.14	0.00	0.00	0.00	81.37	15.00	234.02	1.63	0.30	7.57	208.17	0.00	1.00	3.37	0.00	234.02	3.57	90.19	0.58	18.42	N/A	N/A	N/A	N/A
839	8.39	3.79	70.82	4.00	1.65E-007	8.58E-004	15.00	51.10	0.00	0.00	0.00	81.13	15.00	243.34	1.69	0.30	7.90	207.98	0.00	1.00	3.61	0.00	243.34	3.32	87.32	0.58	18.40	N/A	N/A	N/A	N/A
840	8.40	3.95	67.47	5.00	2.18E-007	1.18E-003	15.00	53.34	28.00	33.56	65.24	80.34	0.00	0.00	0.00	0.30	0.00	207.19	-0.07	0.00	0.00	0.00	95.69	3.02	83.48	0.66	18.36	N/A	N/A	N/A	N/A
841	8.41	3.96	66.50	5.00	2.26E-007	1.23E-003	15.00	53.48	28.00	33.49	64.99	79.96	0.00	0.00	0.00	0.30	0.00	206.79	-0.07	0.00	0.00	0.00	95.57	2.99	82.68	0.66	18.34	N/A	N/A	N/A	N/A
842	8.42	3.79	60.82	5.00	2.17E-007	1.13E-003	14.00	51.09	27.00	33.26	62.55	76.46	0.00	0.00	0.00	0.30	0.00	202.87	-0.07	0.00	0.00	0.00	94.84	3.03	79.90	0.58	18.22	N/A	N/A	N/A	N/A
843	8.43	3.60	57.32	4.00	1.90E-007	9.37E-004	14.00	48.43	0.00	0.00	0.00	73.88	15.00	230.62	1.59	0.30	7.47	199.90	0.00	1.00	4.22	0.00	230.62	3.17	78.83	0.53	18.14	N/A	N/A	N/A	N/A
844	8.44	3.01	52.56	4.00	9.64E-008	3.95E-004	12.00	40.17	0.00	0.00	0.00	68.62	15.00	191.27	1.32	0.30	6.11	193.55	0.00	1.00	3.82	0.00	191.27	3.95	80.53	0.58	17.97	N/A	N/A	N/A	N/A
845	8.45	2.68	51.93	4.00	5.70E-008	2.07E-004	11.00	35.54	0.00	0.00	0.00	66.55	15.00	169.25	1.17	0.30	5.34	190.92	0.00	1.00	3.42	0.00	169.25	4.68	83.44	0.58	17.91	N/A	N/A	N/A	N/A
846	8.46	2.31	51.68	4.00	2.85E-008	8.80E-005	10.00	30.36	0.00	0.00	0.00	64.24	15.00	144.57	0.99	0.30	4.50	187.91	0.00	1.00	2.94	0.00	144.57	5.82	87.21	0.58	17.85	N/A	N/A	N/A	N/A
847	8.47	1.74	53.44	3.00	7.25E-009	1.30E-005	9.00	17.55	0.00	0.00	0.00	60.39	15.00	106.54	0.73	0.30	3.29	182.55	0.00	1.00	2.09	0.00	106.54	8.65	95.05	0.58	17.78	N/A	N/A	N/A	N/A
848	8.48	1.54	54.11	3.00	4.01E-009	5.48E-006	8.00	13.41	0.00	0.00	0.00	58.70	15.00	93.20	0.64	0.30	2.88	180.14	0.00	1.00	1.81	0.00	93.20	10.17	97.59	0.37	17.75	N/A	N/A	N/A	N/A
849	8.49	1.38	53.88	3.00	2.40E-009	2.57E-006	8.00	10.50	0.00	0.00	0.00	56.87	15.00	82.52	0.57	0.30	2.55	177.55	0.00	1.00	1.61	0.00	82.52	11.64	98.76	0.37	17.70	N/A	N/A	N/A	N/A
850	8.50	1.15	55.37	3.00	9.66E-010	6.84E-007	7.00	6.95	0.00	0.00	0.00	54.63	15.00	67.16	0.46	0.30	2.07	174.20	0.00	1.00	1.27	0.00	67.16	14.73	101.63	0.38	17.66	N/A	N/A	N/A	N/A
851	8.51	1.05	57.45	3.00	7.65E-010	4.39E-007	7.00	5.63	0.00	0.00	0.00	54.03	15.00	60.48	0.41	0.30	1.86	173.21	0.00	1.00	1.11	0.00	60.48	16.74	103.84	0.39	17.67	N/A	N/A	N/A	N/A
852	8.52	0.97	58.36	3.00	6.32E-010	3.01E-007	7.00	4.67	0.00	0.00	0.00	53.17	15.00	55.13	0.38	0.30	1.69	171.87	0.00	1.00	0.99	0.00	55.13	18.57	104.88	0.40	17.66	N/A	N/A	N/A	N/A
853	8.53	0.85	61.39	2.00	4.47E-010	1.55E-007	6.00	3.41	0.00	0.00	0.00	52.22	15.00	47.12	0.32	0.30	1.45	170.30	0.00	1.00	0.81	0.00	47.12	22.32	107.64	0.42	17.66	N/A	N/A	N/A	N/A
854	8.54	0.81	62.59	2.00	3.93E-010	1.21E-007	6.00	3.03	0.00	0.00	0.00	51.90	15.00	44.45	0.30	0.30	1.36	169.76	0.00	1.00	0.75	0.00	44.45	23.91	108.63	0.43	17.67	N/A	N/A	N/A	N/A
855	8.55	0.83	62.62	2.00	4.15E-010	1.36E-007	6.00	3.21	0.00	0.00	0.00	52.31	15.00	45.77	0.31	0.30	1.40	170.39	0.00	1.00	0.77	0.00	45.77	23.23	108.55	0.43	17.68	N/A	N/A	N/A	N/A
856	8.56	0.90	61.33	3.00	5.08E-010	2.01E-007	6.00	3.89	0.00	0.00	0.00	53.16	15.00	50.43	0.34	0.30	1.54	171.73	0.00	1.00	0.86	0.00	50.43	20.86	107.28	0.42	17.68	N/A	N/A	N/A	N/A
857	8.57	1.27	57.54	3.00	1.39E-009	1.22E-006	8.00	8.61	0.00	0.00	0.00	57.24	15.00	75.09	0.51	0.30	2.29	177.90	0.00	1.00	1.37	0.00	75.09	13.38	102.31	0.39	17.74	N/A	N/A	N/A	N/A
858	8.58	1.49	55.24	3.00	3.20E-009	4.00E-006	8.00	12.29	0.00	0.00	0.00	58.94	15.00	89.76	0.61	0.30	2.74	180.45	0.00	1.00	1.71	0.00	89.76	10.80	98.61	0.37	17.76	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
859	8.59	1.89	47.04	3.00	1.27E-008	2.68E-005	9.00	20.66	0.00	0.00	0.00	59.22	15.00	116.43	0.79	0.30	3.55	181.35	0.00	1.00	2.60	0.00	116.43	7.38	87.32	0.58	17.66	N/A	N/A	N/A	N/A
860	8.60	2.09	45.43	4.00	2.13E-008	5.56E-005	10.00	25.63	0.00	0.00	0.00	60.12	15.00	129.75	0.88	0.30	3.95	182.75	0.00	1.00	3.00	0.00	129.75	6.35	83.59	0.58	17.66	N/A	N/A	N/A	N/A
861	8.61	2.17	46.70	4.00	2.41E-008	6.81E-005	10.00	27.77	0.00	0.00	0.00	61.38	15.00	135.08	0.91	0.30	4.11	184.41	0.00	1.00	3.04	0.00	135.08	6.12	83.87	0.58	17.71	N/A	N/A	N/A	N/A
862	8.62	2.36	50.92	4.00	3.06E-008	9.67E-005	11.00	31.03	0.00	0.00	0.00	64.77	15.00	147.74	1.00	0.30	4.51	188.72	0.00	1.00	3.05	0.00	147.74	5.69	85.62	0.58	17.84	N/A	N/A	N/A	N/A
863	8.63	2.57	51.71	4.00	4.44E-008	1.54E-004	11.00	33.96	0.00	0.00	0.00	66.47	15.00	161.74	1.09	0.30	4.97	190.92	0.00	1.00	3.28	0.00	161.74	5.07	84.06	0.58	17.89	N/A	N/A	N/A	N/A
864	8.64	2.91	51.77	4.00	7.92E-008	3.13E-004	12.00	38.72	0.00	0.00	0.00	68.43	15.00	184.39	1.24	0.30	5.73	193.45	0.00	1.00	3.74	0.00	184.39	4.22	80.55	0.58	17.94	N/A	N/A	N/A	N/A
865	8.65	3.33	55.71	4.00	1.30E-007	5.90E-004	13.00	44.60	0.00	0.00	0.00	72.62	15.00	212.39	1.43	0.30	6.66	198.54	0.00	1.00	4.00	0.00	212.39	3.59	79.67	0.57	18.07	N/A	N/A	N/A	N/A
866	8.66	3.37	60.06	4.00	1.19E-007	5.49E-004	13.00	45.16	0.00	0.00	0.00	75.05	15.00	215.04	1.44	0.30	6.73	201.32	0.00	1.00	3.76	0.00	215.04	3.69	82.72	0.58	18.17	N/A	N/A	N/A	N/A
867	8.67	3.24	68.55	4.00	7.72E-008	3.41E-004	13.00	43.34	0.00	0.00	0.00	78.49	15.00	206.36	1.38	0.30	6.39	205.12	0.00	1.00	3.16	0.00	206.36	4.25	90.52	0.58	18.30	N/A	N/A	N/A	N/A
868	8.68	3.04	71.67	4.00	5.24E-008	2.17E-004	13.00	40.53	0.00	0.00	0.00	78.86	15.00	193.01	1.29	0.30	5.92	205.45	0.00	1.00	2.83	0.00	193.01	4.81	94.94	0.58	18.33	N/A	N/A	N/A	N/A
869	8.69	2.59	76.30	3.00	2.18E-008	7.60E-005	12.00	34.23	0.00	0.00	0.00	78.12	15.00	162.99	1.09	0.30	4.91	204.41	0.00	1.00	2.24	0.00	162.99	6.31	103.17	0.58	18.34	N/A	N/A	N/A	N/A
870	8.70	2.39	77.09	3.00	1.48E-008	4.74E-005	11.00	31.43	0.00	0.00	0.00	76.83	15.00	149.64	1.00	0.30	4.50	202.82	0.00	1.00	2.04	0.00	149.64	7.07	106.02	0.58	18.32	N/A	N/A	N/A	N/A
871	8.71	2.17	77.53	3.00	9.40E-009	2.62E-005	11.00	27.36	0.00	0.00	0.00	75.09	15.00	134.96	0.90	0.30	4.05	200.69	0.00	1.00	1.83	0.00	134.96	8.05	108.76	0.58	18.29	N/A	N/A	N/A	N/A
872	8.72	1.86	77.19	3.00	4.65E-009	9.29E-006	10.00	19.59	0.00	0.00	0.00	71.97	15.00	114.28	0.76	0.30	3.43	196.82	0.00	1.00	1.55	0.00	114.28	9.77	111.69	0.51	18.23	N/A	N/A	N/A	N/A
873	8.73	1.72	77.34	3.00	3.21E-009	5.40E-006	10.00	16.50	0.00	0.00	0.00	70.56	15.00	104.93	0.70	0.30	3.14	195.02	0.00	1.00	1.42	0.00	104.93	10.79	113.06	0.52	18.20	N/A	N/A	N/A	N/A
874	8.74	1.60	77.41	3.00	2.28E-009	3.26E-006	9.00	14.06	0.00	0.00	0.00	69.25	15.00	96.92	0.64	0.30	2.90	193.35	0.00	1.00	1.31	0.00	96.92	11.80	114.10	0.51	18.17	N/A	N/A	N/A	N/A
875	8.75	1.44	74.50	3.00	1.48E-009	1.68E-006	9.00	11.11	0.00	0.00	0.00	66.28	15.00	86.23	0.57	0.30	2.58	189.60	0.00	1.00	1.22	0.00	86.23	13.17	113.21	0.49	18.09	N/A	N/A	N/A	N/A
876	8.76	1.33	73.05	3.00	1.05E-009	9.92E-007	8.00	9.29	0.00	0.00	0.00	64.37	15.00	78.88	0.52	0.30	2.36	187.11	0.00	1.00	1.13	0.00	78.88	14.38	112.86	0.48	18.03	N/A	N/A	N/A	N/A
877	8.77	1.12	69.55	3.00	7.22E-010	4.62E-007	7.00	6.27	0.00	0.00	0.00	60.16	15.00	64.87	0.43	0.30	1.93	181.52	0.00	1.00	0.98	0.00	64.87	17.28	111.44	0.46	17.91	N/A	N/A	N/A	N/A
878	8.78	1.03	68.74	3.00	6.04E-010	3.17E-007	7.00	5.16	0.00	0.00	0.00	58.49	15.00	58.86	0.39	0.30	1.75	179.21	0.00	1.00	0.90	0.00	58.86	19.03	111.18	0.46	17.87	N/A	N/A	N/A	N/A
879	8.79	0.84	68.51	2.00	3.79E-010	1.23E-007	6.00	3.17	0.00	0.00	0.00	55.06	15.00	46.18	0.31	0.30	1.37	174.27	0.00	1.00	0.71	0.00	46.18	24.37	111.58	0.45	17.79	N/A	N/A	N/A	N/A
880	8.80	0.73	67.95	2.00	2.73E-010	6.24E-008	6.00	2.24	0.00	0.00	0.00	52.62	15.00	38.83	0.26	0.30	1.15	170.67	0.00	1.00	0.60	0.00	38.83	28.96	111.39	0.45	17.72	N/A	N/A	N/A	N/A
881	8.81	0.64	64.89	2.00	2.05E-010	3.34E-008	5.00	1.60	0.00	0.00	0.00	49.59	15.00	32.82	0.22	0.30	0.97	166.17	0.00	1.00	0.53	0.00	32.82	33.66	109.29	0.43	17.62	N/A	N/A	N/A	N/A
882	8.82	0.56	59.37	2.00	1.57E-010	1.79E-008	5.00	1.12	0.00	0.00	0.00	45.83	15.00	27.47	0.18	0.30	0.81	160.44	0.00	1.00	0.49	0.00	27.47	38.75	105.22	0.39	17.47	N/A	N/A	N/A	N/A
883	8.83	0.54	57.01	2.00	1.47E-010	1.52E-008	5.00	1.01	0.00	0.00	0.00	44.56	15.00	26.13	0.17	0.30	0.77	158.47	0.00	1.00	0.48	0.00	26.13	40.07	103.35	0.38	17.41	N/A	N/A	N/A	N/A
884	8.84	0.53	54.74	2.00	1.45E-010	1.41E-008	5.00	0.96	0.00	0.00	0.00	43.57	15.00	25.45	0.17	0.30	0.75	156.96	0.00	1.00	0.49	0.00	25.45	40.45	101.50	0.36	17.35	N/A	N/A	N/A	N/A
885	8.85	0.55	51.02	2.00	1.69E-010	1.82E-008	5.00	1.06	0.00	0.00	0.00	42.91	15.00	26.77	0.18	0.30	0.79	156.06	0.00	1.00	0.55	0.00	26.77	37.28	98.30	0.34	17.28	N/A	N/A	N/A	N/A
886	8.86	0.59	49.22	2.00	2.09E-010	2.72E-008	5.00	1.28	0.00	0.00	0.00	43.32	15.00	29.43	0.19	0.30	0.87	156.86	0.00	1.00	0.63	0.00	29.43	33.38	96.64	0.32	17.27	N/A	N/A	N/A	N/A
887	8.87	0.83	44.77	3.00	5.17E-010	1.60E-007	6.00	3.04	0.00	0.00	0.00	46.50	15.00	45.42	0.30	0.30	1.34	162.43	0.00	1.00	1.07	0.00	45.42	20.67	92.28	0.29	17.29	N/A	N/A	N/A	N/A
888	8.88	1.00	42.98	3.00	8.16E-010	3.94E-007	6.00	4.74	0.00	0.00	0.00	48.43	15.00	56.75	0.37	0.30	1.67	165.65	0.00	1.00	1.39	0.00	56.75	16.17	90.04	0.28	17.32	N/A	N/A	N/A	N/A
889	8.89	1.20	41.18	3.00	1.71E-009	1.26E-006	7.00	7.22	0.00	0.00	0.00	50.29	15.00	70.07	0.46	0.30	2.06	168.70	0.00	1.00	1.79	0.00	70.07	12.70	87.24	0.27	17.34	N/A	N/A	N/A	N/A
890	8.90	1.64	36.39	3.00	9.19E-009	1.36E-005	8.00	14.52	0.00	0.00	0.00	52.57	15.00	99.40	0.65	0.30	2.92	172.59	0.00	1.00	2.87	0.00	99.40	8.10	78.86	0.53	17.31	N/A	N/A	N/A	N/A
891	8.91	1.86	35.69	4.00	1.69E-008	3.28E-005	9.00	19.09	0.00	0.00	0.00	54.13	15.00	114.07	0.74	0.30	3.35	175.00	0.00	1.00	3.36	0.00	114.07	6.80	75.91	0.42	17.34	N/A	N/A	N/A	N/A
892	8.92	1.86	35.69	4.00	1.68E-008	3.27E-005	9.00	19.07	0.00	0.00	0.00	54.16	15.00	114.06	0.74	0.30	3.34	175.05	0.00	1.00	3.36	0.00	114.06	6.81	75.89	0.41	17.34	N/A	N/A	N/A	N/A
893	8.93	1.86	35.69	4.00	1.68E-008	3.25E-005	9.00	19.04	0.00	0.00	0.00	54.18	15.00	114.04	0.74	0.30	3.34	175.09	0.00	1.00	3.36	0.00	114.04	6.82	75.87	0.41	17.34	N/A	N/A	N/A	N/A
894	8.94	2.56	27.49	4.00	1.15E-007	3.96E-004	10.00	33.75	0.00	0.00	0.00	53.31	15.00	160.70	1.04	0.30	4.87	174.57	0.00	1.00	6.14	0.00	160.70	3.73	60.56	0.12	17.16	N/A	N/A	N/A	N/A
895	8.95	2.50	26.17	4.00	1.11E-007	3.73E-004	10.00	32.90	0.00	0.00	0.00	52.12	15.00	156.68	1.02	0.30	4.74	172.94	0.00	1.00	6.29	0.00	156.68	3.78	59.64	0.11	17.10	N/A	N/A	N/A	N/A
896	8.96	2.48	26.30	4.00	1.06E-007	3.52E-004	10.00	32.62	0.00	0.00	0.00	52.14	15.00	155.34	1.01	0.30	4.69	172.96	0.00	1.00	6.20	0.00	155.34	3.84	59.95	0.11	17.10	N/A	N/A	N/A	N/A
897	8.97	2.47	27.40	4.00	9.70E-008	3.21E-004	10.00	32.48	0.00	0.00	0.00	52.88	15.00	154.66	1.00	0.30	4.65	173.95	0.00	1.00	5.93	0.00	154.66	3.95	61.23	0.12	17.14	N/A	N/A	N/A	N/A
898	8.98	2.47	27.71	4.00	9.49E-008	3.14E-004	10.00	32.48	0.00	0.00	0.00	53.12	15.00	154.65	1.00	0.30	4.65	174.28	0.00	1.00	5.86	0.00	154.65	3.97	61.56	0.13	17.16	N/A	N/A	N/A	N/A
899	8.99	2.51	28.66	4.00	9.67E-008	3.25E-004	10.00	33.03	0.00	0.00	0.00	54.00	15.00	157.30	1.02	0.30	4.72	175.48	0.00	1.00	5.76	0.00	157.30	3.95	62.21	0.13	17.20	N/A	N/A	N/A	N/A
900	9.00	2.52	29.26	4.00	9.49E-008	3.21E-004	10.00	33.17	0.00	0.00	0.00	54.48	15.00	157.96	1.02	0.30	4.74	176.14	0.00	1.00	5.67	0.00	157.96	3.97	62.74	0.14	17.23	N/A	N/A	N/A	N/A
901	9.01	2.38	31.18	4.00	6.51E-008	2.07E-004	10.00	31.21	0.00	0.00	0.00	55.03	15.00	148.61	0.96	0.30	4.41	176.77	0.00	1.00	5.00	0.00	148.61	4.49	66.03	0.18	17.28	N/A	N/A	N/A	N/A
902	9.02	2.24	31.88	4.00	4.69E-008	1.36E-004	10.00	28.54	0.00	0.00	0.00	54.73	15.00	139.26	0.90	0.30	4.10	176.28	0.00	1.00	4.59	0.00	139.26	4.98	68.08	0.22	17.28	N/A	N/A	N/A	N/A
903	9.03	2.15	32.03	4.00	3.81E-008	1.01E-004	9.00	25.97	0.00	0.00	0.00	54.34	15.00	133.25	0.86	0.30	3.90	175.69	0.00	1.00	4.37	0.00	133.25	5.32	69.08	0.24	17.27	N/A	N/A	N/A	N/A
904	9.04	1.89	32.38	4.00	2.03E-008	4.02E-005	9.00	19.43	0.00	0.00	0.00	52.85	15.00	115.90	0.74	0.30	3.35	173.46	0.00	1.00	3.76	0.00	115.90	6.44	71.94	0.30	17.23	N/A	N/A	N/A	N/A
905	9.05	1.80	32.44	4.00	1.62E-008	2.87E-005	9.00	17.44	0.00	0.00	0.00	52.18	15.00	109.89	0.71	0.30	3.17	172.43	0.00	1.00	3.56	0.00	109.89	6.89	72.89	0.32	17.22	N/A	N/A	N/A	N/A
906	9.06	1.75	31.34	4.00	1.50E-008	2.50E-005	8.00	16.38	0.00	0.00	0.00	51.15	15.00	106.54	0.68	0.30	3.07	170.97	0.00	1.00	3.57	0.00	106.54	7.04	72.21	0.31	17.17	N/A	N/A	N/A	N/A
907	9.07	1.75	28.57	4.00	1.73E-008	2.88E-005	8.00	16.36	0.00	0.00	0.00	49.53	15.00	106.53	0.68	0.30	3.07	168.77	0.00	1.00	3.92	0.00	106.53	6.76	69.17	0.24	17.06	N/A	N/A	N/A	N/A
908	9.08	1.86	26.64	4.00	2.53E-008	4.82E-005	9.00	18.68	0.00	0.00	0.00	49.22	15.00	113.85	0.73	0.30	3.28	168.52	0.00	1.00	4.49	0.00	113.85	6.03	65.90	0.18	17.00	N/A	N/A	N/A	N/A
909	9.09	1.94	25.92	4.00	3.23E-008	6.77E-005	9.00	20.56	0.00	0.00	0.00	49.26	15.00	119.18	0.76	0.30	3.45	168.66	0.00	1.00	4.83	0.00	119.18	5.60	64.35	0.16	16.99	N/A	N/A	N/A	N/A
910	9.10	2.03	25.35	4.00	4.15E-008	9.63E-005	9.00	22.79	0.00	0.00	0.00	49.43	15.00	125.17	0.80	0.30	3.64	168.99	0.00	1.00	5.18	0.00	125.17	5.18	62.86	0.14	16.98	N/A	N/A	N/A	N/A
911	9.11	2.03	25.35	4.00	4.13E-008	9.58E-005	9.00	22.76	0.00	0.00	0.00	49.45	15.00	125.15	0.80	0.30	3.64	169.03	0.00	1.00	5.18	0.00	125.15	5.18	62.85	0.14	16.98	N/A	N/A	N/A	N/A
912	9.12	2.00	24.94	4.00	3.94E-008	8.82E-005	9.00	21.98	0.00	0.00	0.00	49.02	15.00	123.14	0.78	0.30	3.57	168.41	0.00	1.00	5.18	0.00	123.14	5.26	62.64	0.14	16.95	N/A	N/A	N/A	N/A
913	9.13	1.97	24.53	4.00	3.75E-008	8.10E-005	9.00	21.22	0.00	0.00	0.00	48.58	15.00	121.13	0.77	0.30	3.50	167.78	0.00	1.00	5.19	0.00	121.13	5.35	62.43	0.14	16.93	N/A	N/A	N/A	N/A
914	9.14	1.88	23.58	4.00	3.17E-008	6.17E-005	8.00	19.07	0.00	0.00	0.00	47.39	15.00	115.12	0.73	0.30	3.31	166.03	0.00	1.00	5.13	0.00	115.12	5.63	62.12	0.13	16.87	N/A	N/A	N/A	N/A
915	9.15	1.82	22.64	4.00	2.88E-008	5.20E-005	8.00	17.70	0.00	0.00	0.00	46.38	15.00	111.11	0.71	0.30	3.19	164.53	0.00	1.00	5.15	0.00	111.11	5.79	61.53	0.13	16.81	N/A	N/A	N/A	N/A
916	9.16	1.67	20.81	4.00	2.18E-008	3.25E-005	8.00	14.59	0.00	0.00	0.00	44.03	15.00	101.09	0.64	0.30	2.89	160.94	0.00	1.00	5.10	0.00	101.09	6.30	60.62	0.12	16.68	N/A	N/A	N/A	N/A
917	9.17	1.57	20.15	4.00	1.72E-008	2.23E-005	7.00	12.71	0.00	0.00	0.00	42.78	15.00	94.41	0.60	0.30	2.69	158.92	0.00	1.00	4.92	0.00	94.41	6.76	60.69	0.12	16.62	N/A	N/A	N/A	N/A
918	9.18	1.49	19.58	4.00	1.41E-008	1.62E-005	7.00	11.30	0.00	0.00	0.00	41.72	15.00	89.07	0.56	0.30	2.54	157.19	0.00	1.00	4.78	0.00	89.07	7.17	60.66	0.12	16.56	N/A	N/A	N/A	N/A
919	9.19	1.30	18.60	3.00	8.03E-009	6.79E-006	7.00	8.30	0.00	0.00	0.00	39.34	15.00	76.39	0.48	0.30	2.17	153.16	0.00	1.00	4.31	0.00	76.39	8.41	60.97	0.12	16.45	N/A	N/A	N/A	N/A
920	9.20	1.20	18.70	3.00	5.44E-009	3.83E-006	6.00	6.91	0.00	0.00	0.00	38.46	15.00	69.71	0.44	0.30	1.98	151.54	0.00	1.00	3.91	0.00	69.71	9.36	61.87	0.12	16.43	N/A	N/A	N/A	N/A
921	9.21	1.10	19.01	3.00	3.49E-009	2.01E-006	6.00	5.64	0.00	0.00	0.00	37.65	15.00	63.03	0.40	0.30	1.79	150.00	0.00	1.00	3.48	0.00	63.03	10.55	62.96	0.12	16.41	N/A	N/A	N/A	N/A
922	9.22	0.95	19.58	3.00	1.62E-009	6.60E-007	6.00	3.99	0.00	0.00	0.00	36.32	15.00	53.01	0.33	0.30	1.50	147.43	0.00	1.00	2.84	0.00	53.01	12.87	64.53	0.12	16.39	N/A	N/A	N/A	N/A
923	9.23	0.89	19.45	3.00	1.18E-009	4.09E-007	5.00	3.40	0.00	0.00	0.00	35.50	15.00	49.00	0.31	0.30	1.39	145.90	0.00	1.00	2.65	0.00	49.00	13.96	64.61	0.12	16.36	N/A	N/A	N/A	N/A
924	9.24	0.84	18.95	3.00	9.49E-010	2.85E-007	5.00	2.95	0.00	0.00	0.00	34.54	15.00	45.65	0.29	0.30	1.29	144.15	0.00	1.00	2.53	0.00	45.65	14.88	64.12	0.12	16.31	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
925	9.25	0.73	17.94	3.00	7.08E-010	1.50E-007	5.00	2.08	0.00	0.00	0.00	32.35	15.00	38.30	0.24	0.30	1.08	140.01	0.00	1.00	2.24	0.00	38.30	17.46	63.05	0.11	16.19	N/A	N/A	N/A	N/A
926	9.26	0.66	17.37	3.00	5.67E-010	9.23E-008	5.00	1.60	0.00	0.00	0.00	30.92	15.00	33.63	0.21	0.30	0.95	137.19	0.00	1.00	2.03	0.00	33.63	19.68	62.34	0.11	16.11	N/A	N/A	N/A	N/A
927	9.27	0.56	15.26	3.00	4.09E-010	4.27E-008	4.00	1.02	0.00	0.00	0.00	27.88	15.00	26.95	0.17	0.30	0.76	131.13	0.00	1.00	1.85	0.00	26.95	23.42	59.37	0.10	15.90	N/A	N/A	N/A	N/A
928	9.28	0.51	13.40	3.00	3.48E-010	2.79E-008	4.00	0.79	0.00	0.00	0.00	25.73	15.00	23.60	0.15	0.30	0.67	126.73	0.00	1.00	1.85	0.00	23.60	25.48	56.53	0.08	15.72	N/A	N/A	N/A	N/A
929	9.29	0.46	11.63	3.00	2.88E-010	1.87E-008	4.00	0.64	0.00	0.00	0.00	23.53	15.00	20.26	0.13	0.30	0.57	121.98	0.00	1.00	1.83	0.00	20.26	28.17	53.60	0.07	15.52	N/A	N/A	N/A	N/A
930	9.30	0.39	9.30	2.00	2.05E-010	1.33E-008	3.00	0.64	0.00	0.00	0.00	20.33	15.00	15.58	0.10	0.30	0.44	114.56	0.00	1.00	1.76	0.00	15.58	33.72	49.28	0.06	15.20	N/A	N/A	N/A	N/A
931	9.31	0.36	8.70	2.00	1.65E-010	1.08E-008	3.00	0.64	0.00	0.00	0.00	19.16	15.00	13.57	0.08	0.30	0.38	111.61	0.00	1.00	1.64	0.00	13.57	37.74	47.99	0.05	15.09	N/A	N/A	N/A	N/A
932	9.32	0.33	8.29	2.00	1.26E-010	8.25E-009	3.00	0.64	0.00	0.00	0.00	18.06	15.00	11.56	0.07	0.30	0.32	108.70	0.00	1.00	1.46	0.00	11.56	43.46	47.03	0.05	15.00	N/A	N/A	N/A	N/A
933	9.33	0.29	7.63	2.00	0.00E+000	0.00E+000	3.00	0.64	0.00	0.00	0.00	16.29	15.00	8.88	0.06	0.30	0.25	103.72	0.00	0.41	1.22	20.00	8.88	54.34	45.14	0.05	14.86	N/A	N/A	N/A	N/A
934	9.34	0.27	7.50	2.00	0.00E+000	0.00E+000	3.00	0.64	0.00	0.00	0.00	13.78	15.00	7.53	0.05	0.30	0.21	95.54	0.00	0.39	1.05	20.00	7.53	54.34	38.27	0.05	14.81	N/A	N/A	N/A	N/A
935	9.35	0.26	7.54	2.00	0.00E+000	0.00E+000	3.00	0.64	0.00	0.00	0.00	12.54	15.00	6.86	0.04	0.30	0.19	91.15	0.00	0.37	0.95	20.00	6.86	54.34	34.80	0.05	14.80	N/A	N/A	N/A	N/A
936	9.36	0.24	7.57	2.00	0.00E+000	0.00E+000	2.00	0.64	0.00	0.00	0.00	10.06	15.00	5.51	0.03	0.30	0.15	81.73	0.00	0.35	0.76	20.00	5.51	54.34	27.95	0.05	14.77	N/A	N/A	N/A	N/A
937	9.37	0.24	7.72	2.00	0.00E+000	0.00E+000	2.00	0.64	0.00	0.00	0.00	10.06	15.00	5.50	0.03	0.30	0.15	81.66	0.00	0.35	0.75	20.00	5.50	54.34	27.87	0.05	14.80	N/A	N/A	N/A	N/A
938	9.38	0.26	8.42	2.00	0.00E+000	0.00E+000	3.00	0.64	0.00	0.00	0.00	12.59	15.00	6.83	0.04	0.30	0.19	90.95	0.00	0.37	0.85	20.00	6.83	54.34	34.54	0.05	14.93	N/A	N/A	N/A	N/A
939	9.39	0.28	8.64	2.00	0.00E+000	0.00E+000	3.00	0.64	0.00	0.00	0.00	15.09	15.00	8.15	0.05	0.30	0.23	99.38	0.00	0.40	0.99	20.00	8.15	54.34	41.21	0.05	14.99	N/A	N/A	N/A	N/A
940	9.40	0.38	8.73	2.00	1.92E-010	1.26E-008	3.00	0.65	0.00	0.00	0.00	19.72	15.00	14.80	0.09	0.30	0.41	113.13	0.00	1.00	1.78	0.00	14.80	34.88	47.99	0.05	15.11	N/A	N/A	N/A	N/A
941	9.41	0.46	8.92	3.00	3.34E-010	2.20E-008	4.00	0.65	0.00	0.00	0.00	21.59	15.00	20.13	0.12	0.30	0.56	118.01	0.00	1.00	2.37	0.00	20.13	26.05	48.69	0.06	15.21	N/A	N/A	N/A	N/A
942	9.42	0.68	10.22	3.00	8.41E-010	1.44E-007	4.00	1.68	0.00	0.00	0.00	26.27	15.00	34.78	0.22	0.30	0.97	128.89	0.00	1.00	3.57	0.00	34.78	15.90	51.30	0.06	15.52	N/A	N/A	N/A	N/A
943	9.43	0.80	11.00	3.00	1.47E-009	3.81E-007	5.00	2.54	0.00	0.00	0.00	28.52	15.00	42.78	0.26	0.30	1.19	133.66	0.00	1.00	4.08	0.00	42.78	13.21	52.36	0.07	15.66	N/A	N/A	N/A	N/A
944	9.44	0.90	11.76	3.00	2.41E-009	8.34E-007	5.00	3.39	0.00	0.00	0.00	30.36	15.00	49.43	0.31	0.30	1.37	137.37	0.00	1.00	4.41	0.00	49.43	11.63	53.22	0.07	15.78	N/A	N/A	N/A	N/A
945	9.45	1.12	12.86	3.00	6.14E-009	3.57E-006	6.00	5.70	0.00	0.00	0.00	33.63	15.00	64.10	0.40	0.30	1.78	143.73	0.00	1.00	5.23	0.00	64.10	9.06	53.72	0.08	15.97	N/A	N/A	N/A	N/A
946	9.46	1.23	13.27	4.00	9.13E-009	6.58E-006	6.00	7.07	0.00	0.00	0.00	35.04	15.00	71.42	0.44	0.30	1.98	146.38	0.00	1.00	5.65	0.00	71.42	8.12	53.57	0.07	16.04	N/A	N/A	N/A	N/A
947	9.47	1.43	13.59	4.00	1.77E-008	1.79E-005	7.00	9.95	0.00	0.00	0.00	37.09	15.00	84.75	0.52	0.30	2.35	150.20	0.00	1.00	6.55	0.00	84.75	6.71	52.49	0.06	16.13	N/A	N/A	N/A	N/A
948	9.48	1.54	13.21	4.00	2.56E-008	3.06E-005	7.00	11.73	0.00	0.00	0.00	37.67	15.00	92.07	0.57	0.30	2.55	151.39	0.00	1.00	7.32	0.00	92.07	6.01	51.00	0.06	16.12	N/A	N/A	N/A	N/A
949	9.49	1.66	12.45	4.00	3.97E-008	5.66E-005	7.00	13.99	0.00	0.00	0.00	37.72	15.00	100.06	0.61	0.30	2.80	151.68	0.00	1.00	8.44	0.00	100.06	5.25	48.92	0.05	16.08	N/A	N/A	N/A	N/A
950	9.50	1.77	11.57	4.00	5.93E-008	9.82E-005	7.00	16.26	0.00	0.00	0.00	37.52	15.00	107.39	0.66	0.30	3.03	151.55	0.00	1.00	9.75	0.00	107.39	4.63	46.71	0.04	16.02	N/A	N/A	N/A	N/A
951	9.51	1.97	10.85	4.00	1.06E-007	2.25E-004	8.00	20.84	0.00	0.00	0.00	37.88	15.00	120.72	0.74	0.30	3.45	152.44	0.00	1.00	11.68	0.00	120.72	3.83	44.12	0.04	15.99	N/A	N/A	N/A	N/A
952	9.52	2.07	11.00	5.00	1.31E-007	3.11E-004	8.00	23.31	19.00	30.00	35.88	38.56	0.00	0.00	0.00	0.30	0.00	153.64	0.02	0.00	0.00	0.00	94.27	3.58	43.65	0.03	16.03	N/A	N/A	N/A	N/A
953	9.53	2.30	12.08	5.00	1.89E-007	5.68E-004	9.00	29.50	20.00	30.00	37.62	40.81	0.00	0.00	0.00	0.30	0.00	157.32	0.02	0.00	0.00	0.00	94.36	3.17	43.71	0.03	16.17	N/A	N/A	N/A	N/A
954	9.54	2.44	12.67	5.00	2.32E-007	7.57E-004	9.00	31.93	21.00	30.00	38.59	42.06	0.00	0.00	0.00	0.30	0.00	159.35	0.02	0.00	0.00	0.00	94.45	2.96	43.67	0.03	16.25	N/A	N/A	N/A	N/A
955	9.55	2.61	13.15	5.00	3.01E-007	1.05E-003	9.00	34.30	21.00	30.00	39.57	43.32	0.00	0.00	0.00	0.30	0.00	161.36	0.02	0.00	0.00	0.00	94.55	2.72	43.36	0.03	16.32	N/A	N/A	N/A	N/A
956	9.56	2.95	13.65	5.00	5.00E-007	1.99E-003	10.00	39.06	23.00	30.00	41.10	45.24	0.00	0.00	0.00	0.30	0.00	164.45	0.02	0.00	0.00	0.00	94.64	2.31	42.51	0.03	16.41	N/A	N/A	N/A	N/A
957	9.57	3.08	14.19	5.00	5.78E-007	2.41E-003	11.00	40.88	23.00	30.00	41.91	46.30	0.00	0.00	0.00	0.30	0.00	166.06	0.02	0.00	0.00	0.00	94.74	2.21	42.68	0.03	16.47	N/A	N/A	N/A	N/A
958	9.58	3.27	17.03	5.00	5.97E-007	2.65E-003	11.00	43.54	24.00	30.00	44.38	49.71	0.00	0.00	0.00	0.30	0.00	170.87	0.01	0.00	0.00	0.00	94.83	2.19	45.01	0.04	16.70	N/A	N/A	N/A	N/A
959	9.59	3.34	17.59	5.00	6.28E-007	2.85E-003	11.00	44.52	25.00	30.00	44.96	50.51	0.00	0.00	0.00	0.30	0.00	171.99	0.01	0.00	0.00	0.00	94.93	2.16	45.34	0.04	16.75	N/A	N/A	N/A	N/A
960	9.60	3.36	17.59	5.00	6.43E-007	2.94E-003	11.00	44.79	25.00	30.00	45.04	50.61	0.00	0.00	0.00	0.30	0.00	172.15	0.01	0.00	0.00	0.00	95.03	2.14	45.28	0.04	16.75	N/A	N/A	N/A	N/A
961	9.61	3.37	17.88	5.00	6.36E-007	2.91E-003	11.00	44.93	25.00	30.00	45.27	50.93	0.00	0.00	0.00	0.30	0.00	172.59	0.01	0.00	0.00	0.00	95.12	2.15	45.52	0.04	16.77	N/A	N/A	N/A	N/A
962	9.62	3.39	18.19	5.00	6.36E-007	2.93E-003	11.00	45.21	25.00	30.00	45.55	51.30	0.00	0.00	0.00	0.30	0.00	173.11	0.01	0.00	0.00	0.00	95.22	2.15	45.75	0.04	16.79	N/A	N/A	N/A	N/A
963	9.63	3.41	18.60	5.00	6.32E-007	2.93E-003	12.00	45.49	25.00	30.00	45.88	51.76	0.00	0.00	0.00	0.30	0.00	173.74	0.01	0.00	0.00	0.00	95.32	2.15	46.07	0.04	16.82	N/A	N/A	N/A	N/A
964	9.64	3.48	20.31	5.00	6.13E-007	2.90E-003	12.00	46.46	25.00	30.00	47.13	53.52	0.00	0.00	0.00	0.30	0.00	176.10	0.01	0.00	0.00	0.00	95.42	2.17	47.43	0.04	16.93	N/A	N/A	N/A	N/A
965	9.65	3.51	21.22	5.00	5.97E-007	2.86E-003	12.00	46.88	25.00	30.00	47.78	54.42	0.00	0.00	0.00	0.30	0.00	177.30	0.00	0.00	0.00	0.00	95.51	2.19	48.15	0.05	16.98	N/A	N/A	N/A	N/A
966	9.66	3.54	23.14	5.00	5.47E-007	2.64E-003	12.00	47.30	25.00	30.00	48.98	56.13	0.00	0.00	0.00	0.30	0.00	179.51	0.00	0.00	0.00	0.00	95.61	2.25	49.75	0.05	17.09	N/A	N/A	N/A	N/A
967	9.67	3.54	24.31	5.00	5.07E-007	2.45E-003	12.00	47.30	25.00	30.14	49.65	57.09	0.00	0.00	0.00	0.30	0.00	180.74	0.00	0.00	0.00	0.00	96.24	2.30	50.77	0.06	17.14	N/A	N/A	N/A	N/A
968	9.68	3.54	25.51	5.00	4.71E-007	2.27E-003	12.00	47.29	25.00	30.28	50.32	58.05	0.00	0.00	0.00	0.30	0.00	181.96	-0.01	0.00	0.00	0.00	96.88	2.36	51.82	0.06	17.20	N/A	N/A	N/A	N/A
969	9.69	3.42	28.44	5.00	3.38E-007	1.57E-003	12.00	45.61	24.00	30.68	51.52	59.82	0.00	0.00	0.00	0.30	0.00	184.11	-0.01	0.00	0.00	0.00	98.57	2.62	54.97	0.08	17.31	N/A	N/A	N/A	N/A
970	9.70	3.33	30.80	5.00	2.63E-007	1.19E-003	12.00	44.35	24.00	31.01	52.44	61.17	0.00	0.00	0.00	0.30	0.00	185.75	-0.02	0.00	0.00	0.00	99.94	2.84	57.60	0.09	17.39	N/A	N/A	N/A	N/A
971	9.71	3.10	36.48	4.00	1.42E-007	5.94E-004	12.00	41.13	0.00	0.00	0.00	64.03	15.00	195.84	1.18	0.30	5.54	189.14	0.00	1.00	5.64	0.00	195.84	3.49	64.31	0.16	17.56	N/A	N/A	N/A	N/A
972	9.72	2.96	38.25	4.00	1.05E-007	4.18E-004	12.00	39.16	0.00	0.00	0.00	64.54	15.00	186.49	1.12	0.30	5.22	189.69	0.00	1.00	5.12	0.00	186.49	3.85	67.01	0.20	17.60	N/A	N/A	N/A	N/A
973	9.73	2.84	38.75	4.00	8.39E-008	3.20E-004	12.00	37.48	0.00	0.00	0.00	64.30	15.00	178.48	1.07	0.30	4.96	189.34	0.00	1.00	4.84	0.00	178.48	4.14	68.47	0.22	17.60	N/A	N/A	N/A	N/A
974	9.74	2.71	44.46	4.00	5.26E-008	1.91E-004	12.00	35.66	0.00	0.00	0.00	67.09	15.00	169.80	1.02	0.30	4.66	192.63	0.00	1.00	4.01	0.00	169.80	4.81	74.62	0.37	17.74	N/A	N/A	N/A	N/A
975	9.75	2.69	48.59	4.00	4.32E-008	1.56E-004	12.00	35.38	0.00	0.00	0.00	69.35	15.00	168.46	1.01	0.30	4.59	195.31	0.00	1.00	3.64	0.00	168.46	5.11	78.26	0.50	17.84	N/A	N/A	N/A	N/A
976	9.76	2.75	51.11	4.00	4.37E-008	1.61E-004	12.00	36.21	0.00	0.00	0.00	71.11	15.00	172.44	1.03	0.30	4.70	197.40	0.00	1.00	3.54	0.00	172.44	5.09	79.75	0.57	17.90	N/A	N/A	N/A	N/A
977	9.77	2.94	51.14	4.00	6.00E-008	2.38E-004	12.00	38.87	0.00	0.00	0.00	72.19	15.00	185.10	1.10	0.30	5.08	198.74	0.00	1.00	3.80	0.00	185.10	4.61	78.04	0.50	17.93	N/A	N/A	N/A	N/A
978	9.78	3.05	51.11	4.00	7.14E-008	2.94E-004	13.00	40.41	0.00	0.00	0.00	72.77	15.00	192.42	1.15	0.30	5.30	199.48	0.00	1.00	3.95	0.00	192.42	4.36	77.01	0.46	17.94	N/A	N/A	N/A	N/A
979	9.79	3.03	54.11	4.00	6.22E-008	2.54E-004	13.00	40.13	0.00	0.00	0.00	74.35	15.00	191.08	1.14	0.30	5.24	201.27	0.00	1.00	3.71	0.00	191.08	4.56	79.55	0.56	18.00	N/A	N/A	N/A	N/A
980	9.80	2.95	56.19	4.00	5.09E-008	2.02E-004	13.00	39.00	0.00	0.00	0.00	75.08	15.00	185.73	1.11	0.30	5.06	202.07	0.00	1.00	3.47	0.00	185.73	4.86	81.87	0.58	18.04	N/A	N/A	N/A	N/A
981	9.81	2.69	59.81	4.00	2.90E-008	1.04E-004	12.00	35.36	0.00	0.00	0.00	75.53	15.00	168.38	1.00	0.30	4.51	202.47	0.00	1.00	2.96	0.00	168.38	5.79	86.97	0.58	18.07	N/A	N/A	N/A	N/A
982	9.82	2.65	61.96	4.00	2.53E-008	8.97E-005	12.00	34.80	0.00	0.00	0.00	76.32	15.00	165.70	0.98	0.30	4.43	203.33	0.00	1.00	2.81	0.00	165.70	6.03	88.96	0.58	18.11	N/A	N/A	N/A	N/A
983	9.83	2.83	64.38	4.00	3.20E-008	1.22E-004	13.00	37.32	0.00	0.00	0.00	78.72	15.00	177.69	1.05	0.30	4.76	206.11	0.00	1.00	2.90	0.00	177.69	5.61	89.04	0.58	18.18	N/A	N/A	N/A	N/A
984	9.84	3.09	63.63	4.00	4.99E-008	2.08E-004	13.00	40.95	0.00	0.00	0.00	79.83	15.00	195.02	1.16	0.30	5.28	207.45	0.00	1.00	3.22	0.00	195.02	4.89	86.11	0.58	18.20	N/A	N/A	N/A	N/A
985	9.85	3.38	63.53	4.00	7.66E-008	3.52E-004	14.00	45.01	0.00	0.00	0.00	81.33	15.00	214.34	1.27	0.30	5.87	209.19	0.00	1.00	3.54	0.00	214.34	4.26	83.40	0.58	18.23	N/A	N/A	N/A	N/A
986	9.86	4.00	58.99	5.00	1.95E-007	1.07E-003	15.00	53.69	26.00	32.83	66.99	81.82	0.00	0.00	0.00	0.30	0.00	209.95	-0.06	0.00	0.00	0.00	109.13	3.14	75.07	0.39	18.21	N/A	N/A	N/A	N/A
987	9.87	4.18	56.50	5.00	2.59E-007	1.48E-003	15.00	56.21	27.00	32.55	66.63	81.23	0.00	0.00	0.00	0.30	0.00	209.38	-0.05	0.00	0.00	0.00	108.09	2.86	72.08	0.30	18.18	N/A	N/A	N/A	N/A
988	9.88	4.36	52.59	5.00	3.58E-007	2.14E-003	16.00	58.73	28.00	32.18	65.65	79.74	0.00	0.00	0.00	0.30	0.00	207.83	-0.05	0.00	0.00	0.00	106.67	2.57	68.32	0.22	18.11	N/A	N/A	N/A	N/A
989	9.89	4.43	50.45	5.00	4.14E-007	2.52E-003	16.00	59.70	28.00	31.99	65.01	78.79	0.00	0.00	0.00	0.30	0.00	206.82	-0.04	0.00	0.00	0.00	106.02	2.45	66.51	0.19	18.07	N/A	N/A	N/A	N/A
990	9.90	4.46	48.24	5.00	4.61E-007	2.83E-003	16.00	60.12	28.00	31.82	64.20	77.59	0.00	0.00	0.00	0.30	0.00	205.52	-0.04	0.00	0.00	0.00	105.43	2.37	64.88	0.17	18.02	N/A	N/A	N/A	N/A

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
991	9.91	4.48	43.45	5.00	5.62E-007	3.46E-003	15.00	60.40	28.00	31.46	62.23	74.72	0.00	0.00	0.00	0.30	0.00	202.35	-0.03	0.00	0.00	0.00	104.07	2.23	61.58	0.13	17.90	N/A	N/A	N/A	N/A
992	9.92	4.48	43.45	5.00	5.61E-007	3.45E-003	15.00	60.40	28.00	31.46	62.26	74.75	0.00	0.00	0.00	0.30	0.00	202.39	-0.03	0.00	0.00	0.00	104.18	2.23	61.57	0.13	17.90	N/A	N/A	N/A	N/A
993	9.93	4.48	43.45	5.00	5.59E-007	3.44E-003	15.00	60.39	28.00	31.46	62.29	74.79	0.00	0.00	0.00	0.30	0.00	202.44	-0.03	0.00	0.00	0.00	104.28	2.23	61.56	0.13	17.90	N/A	N/A	N/A	N/A
994	9.94	4.39	25.89	5.00	1.15E-006	6.94E-003	14.00	59.13	28.00	30.03	53.52	62.09	0.00	0.00	0.00	0.30	0.00	187.65	0.00	0.00	0.00	0.00	98.60	1.82	49.97	0.05	17.30	N/A	N/A	N/A	N/A
995	9.95	4.41	24.75	5.00	1.25E-006	7.58E-003	14.00	59.41	28.00	30.00	52.96	61.27	0.00	0.00	0.00	0.30	0.00	186.67	0.00	0.00	0.00	0.00	98.60	1.78	49.20	0.05	17.25	N/A	N/A	N/A	N/A
996	9.96	4.44	24.69	5.00	1.29E-006	7.88E-003	14.00	59.83	28.00	30.00	53.03	61.34	0.00	0.00	0.00	0.30	0.00	186.79	0.00	0.00	0.00	0.00	98.70	1.76	49.15	0.05	17.25	N/A	N/A	N/A	N/A
997	9.97	4.47	24.72	5.00	1.33E-006	8.14E-003	14.00	60.24	28.00	30.00	53.14	61.49	0.00	0.00	0.00	0.30	0.00	186.99	0.00	0.00	0.00	0.00	98.79	1.75	49.16	0.05	17.25	N/A	N/A	N/A	N/A
998	9.98	4.59	25.03	5.00	1.47E-006	9.26E-003	14.00	61.92	29.00	30.00	53.64	62.15	0.00	0.00	0.00	0.30	0.00	187.86	0.00	0.00	0.00	0.00	98.89	1.71	49.40	0.05	17.28	N/A	N/A	N/A	N/A
999	9.99	4.71	24.72	5.00	1.68E-006	1.09E-002	15.00	63.60	29.00	30.00	53.78	62.30	0.00	0.00	0.00	0.30	0.00	188.11	0.00	0.00	0.00	0.00	98.99	1.66	49.32	0.05	17.27	N/A	N/A	N/A	N/A
1000	10.00	4.82	24.59	5.00	1.87E-006	1.29E-002	15.00	67.67	30.00	30.00	53.99	62.56	0.00	0.00	0.00	0.30	0.00	188.48	0.00	0.00	0.00	0.00	99.09	1.62	49.40	0.05	17.27	N/A	N/A	N/A	N/A

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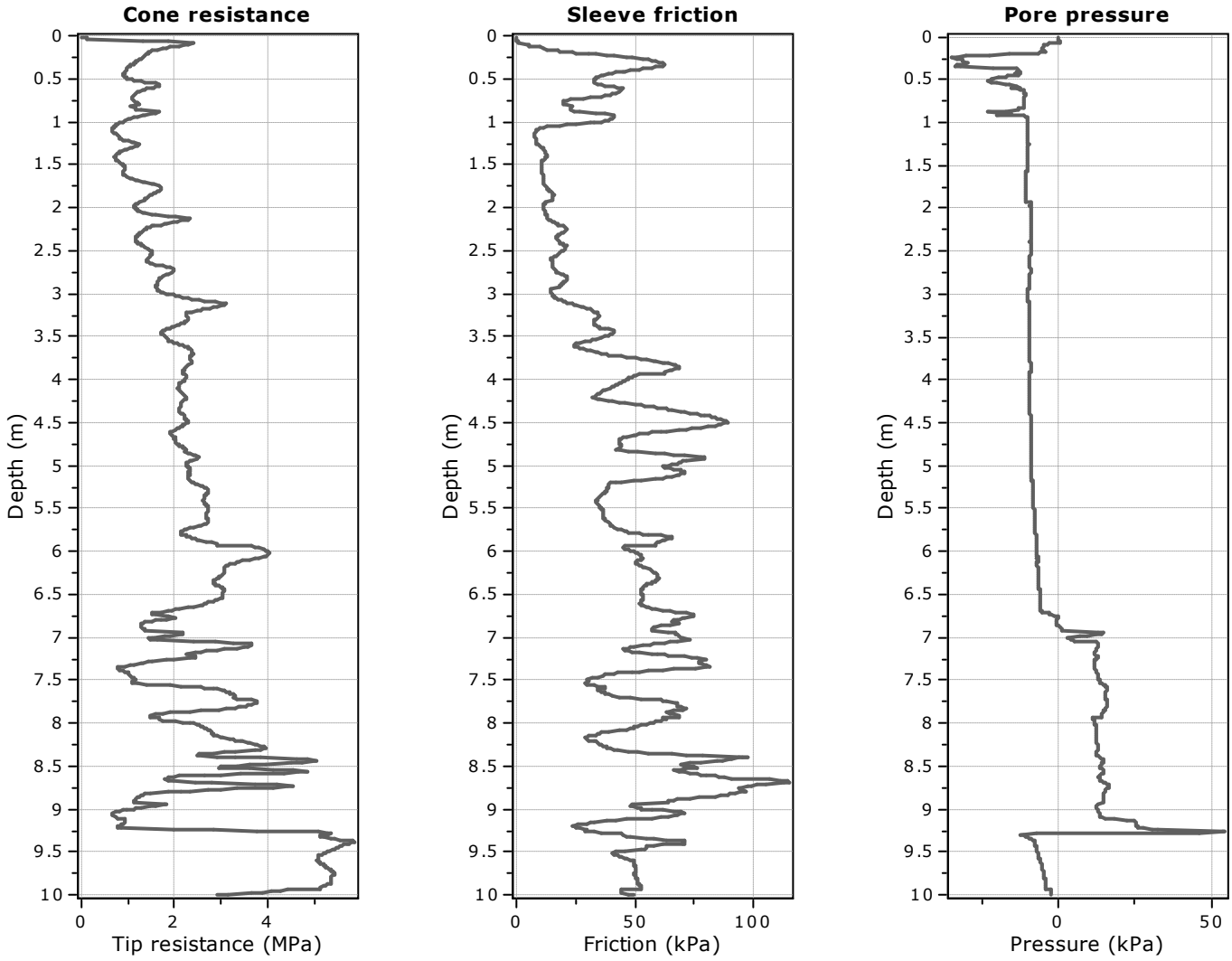
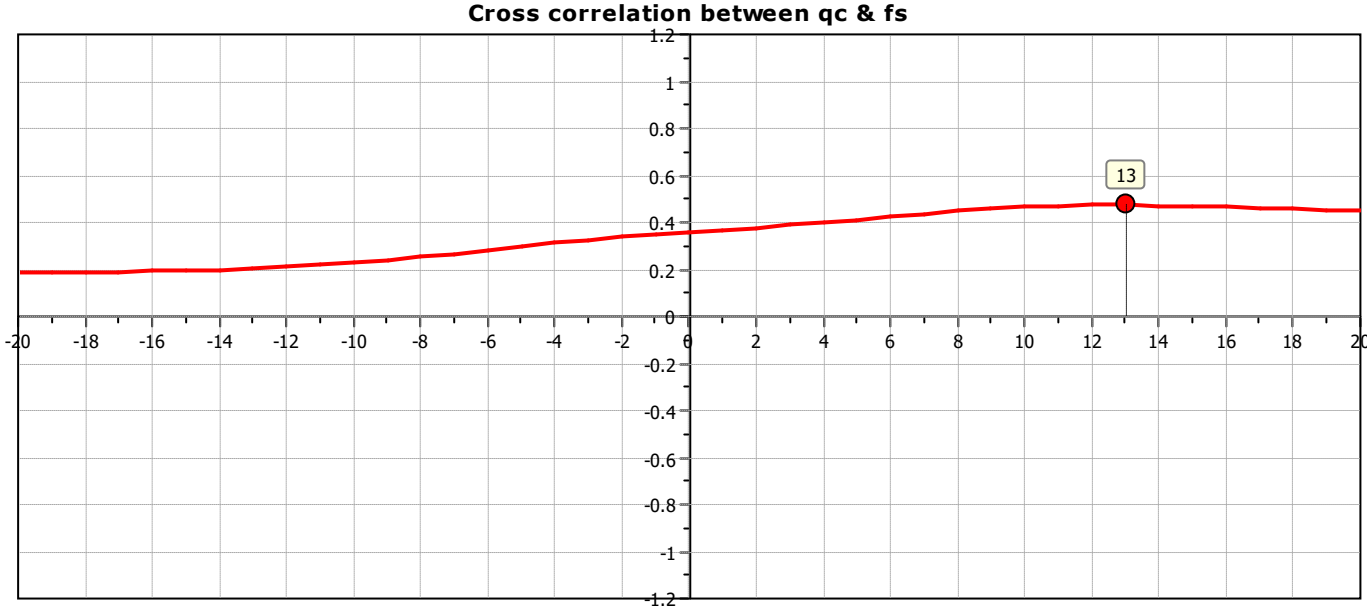
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-7
Total depth: 10.00 m, Date: 28/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.6757052° lon 10.6402931°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti



The plot below presents the cross correlation coeficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two sucessive CPT measurements).



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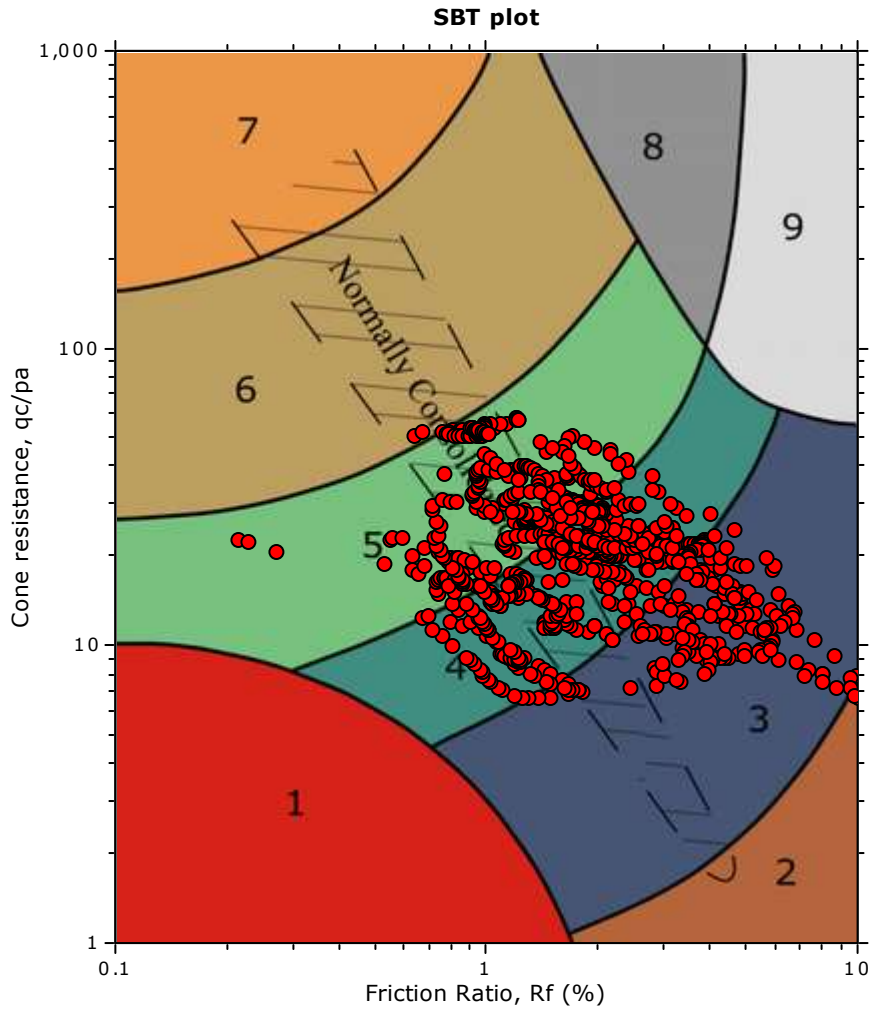
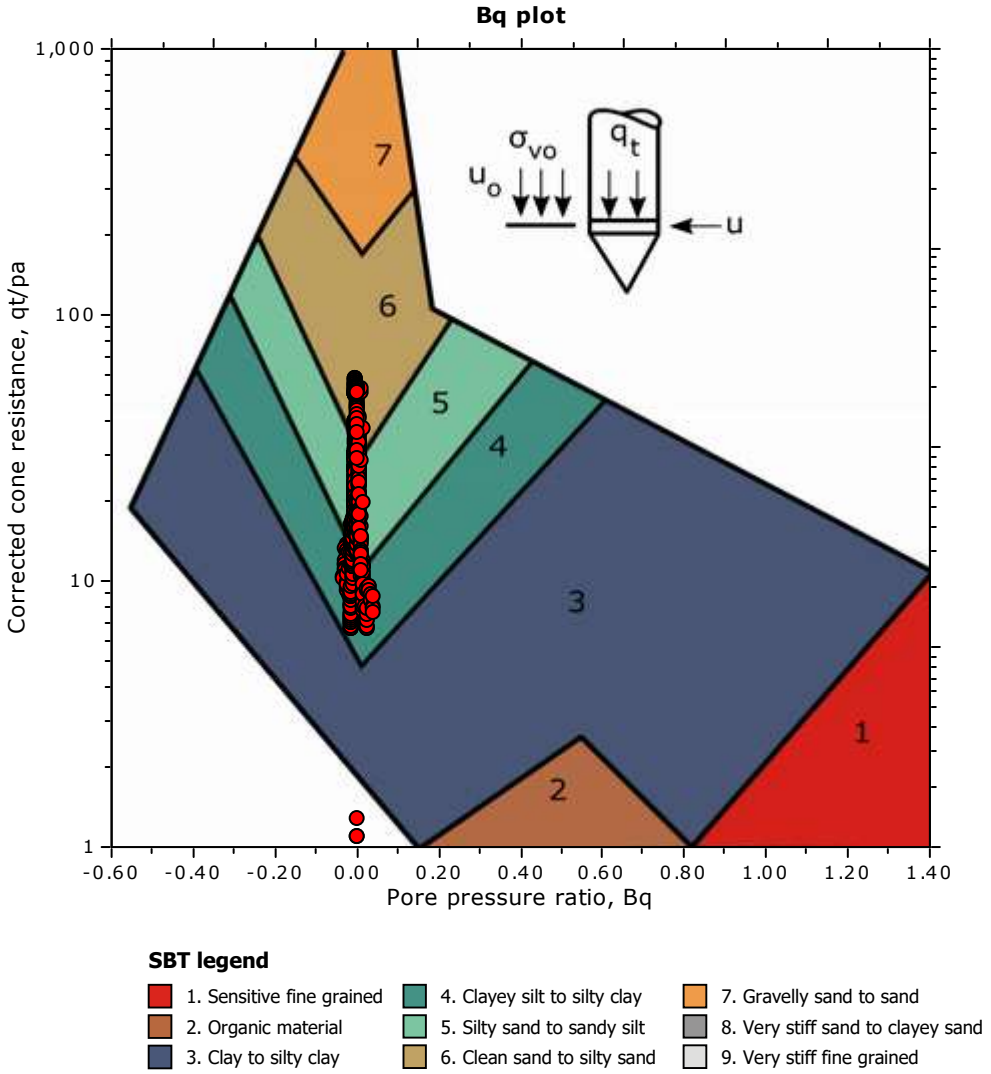
SBT - Bq plots





SBT legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

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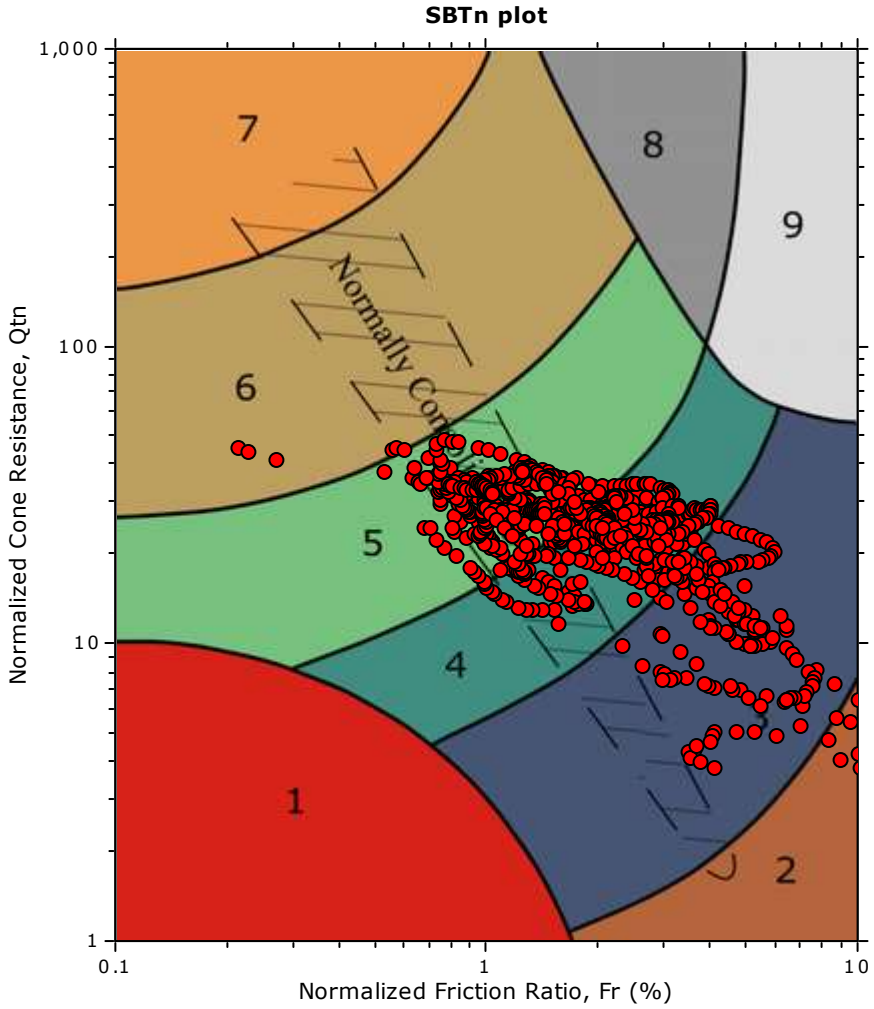
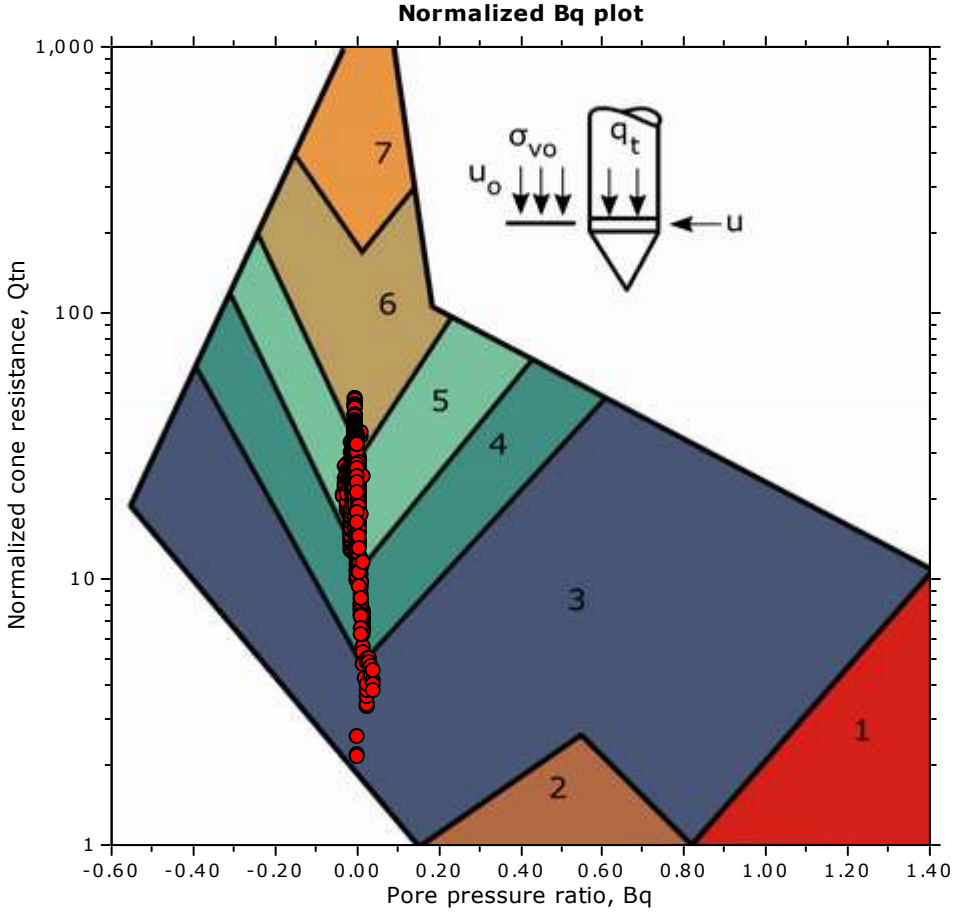
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti

SBT - Bq plots (normalized)





SBTn legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

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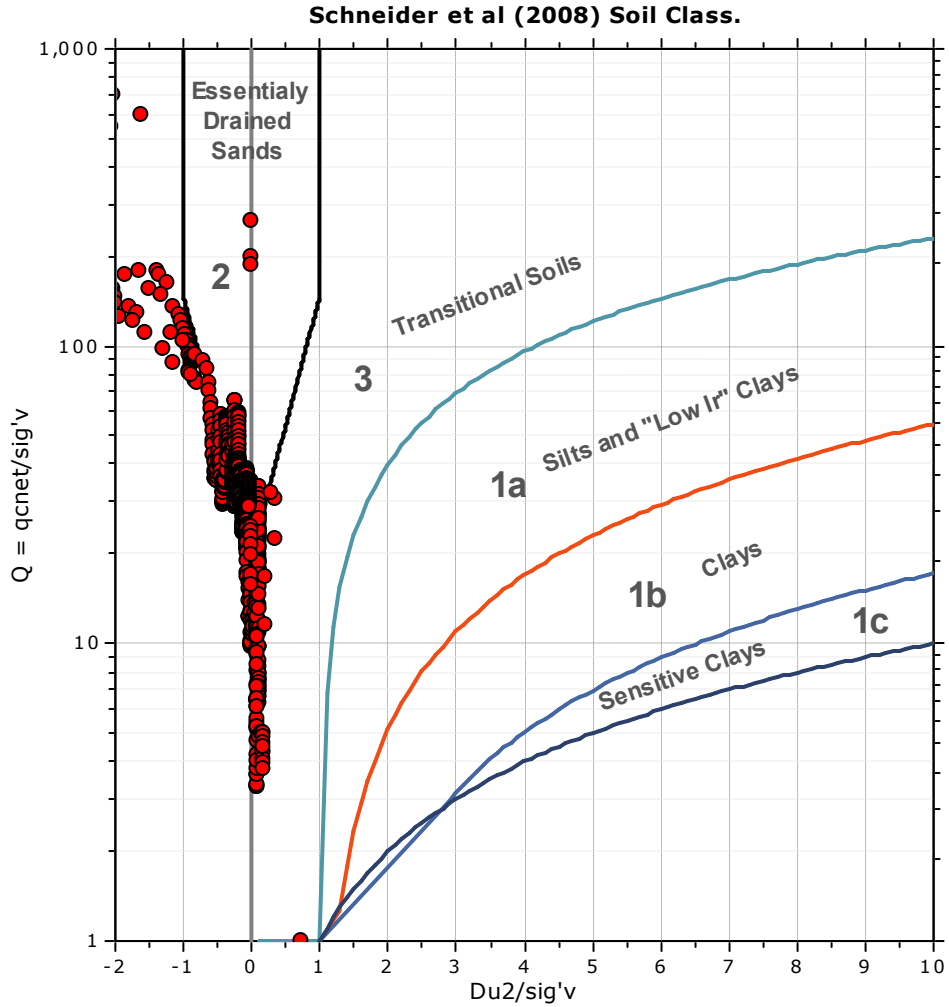
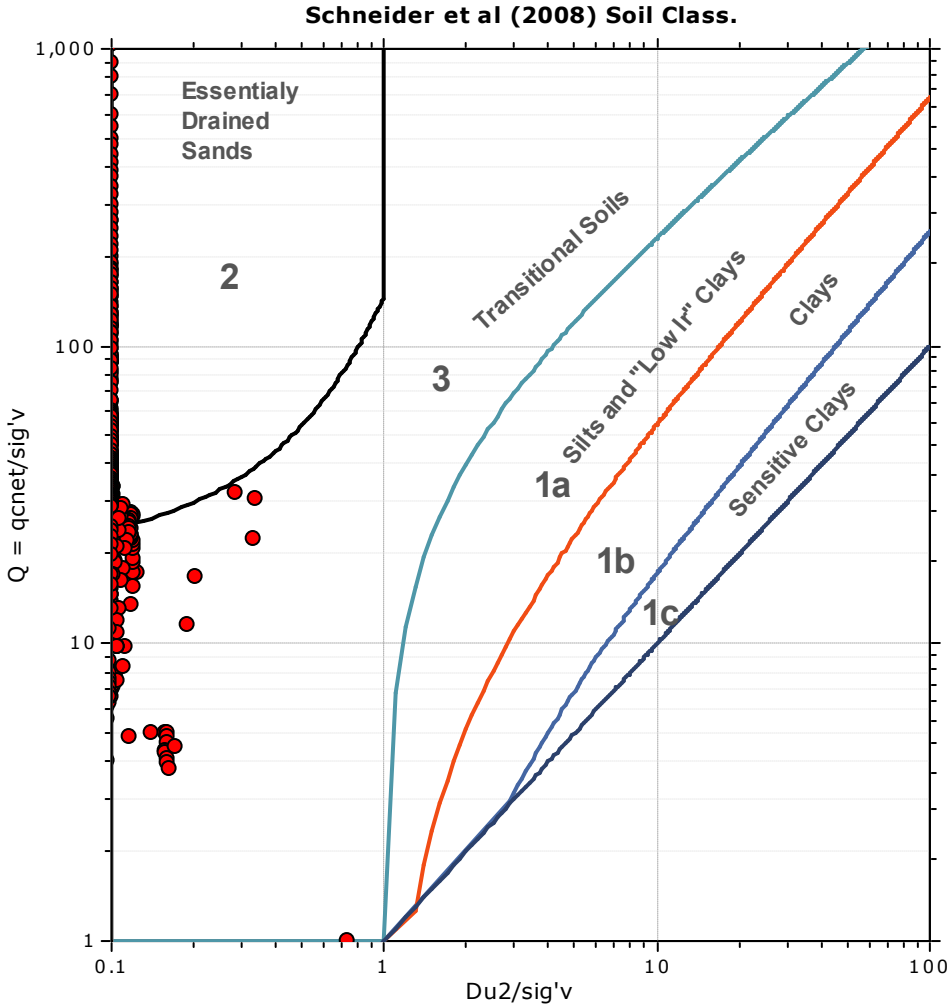
Bq plots (Schneider)





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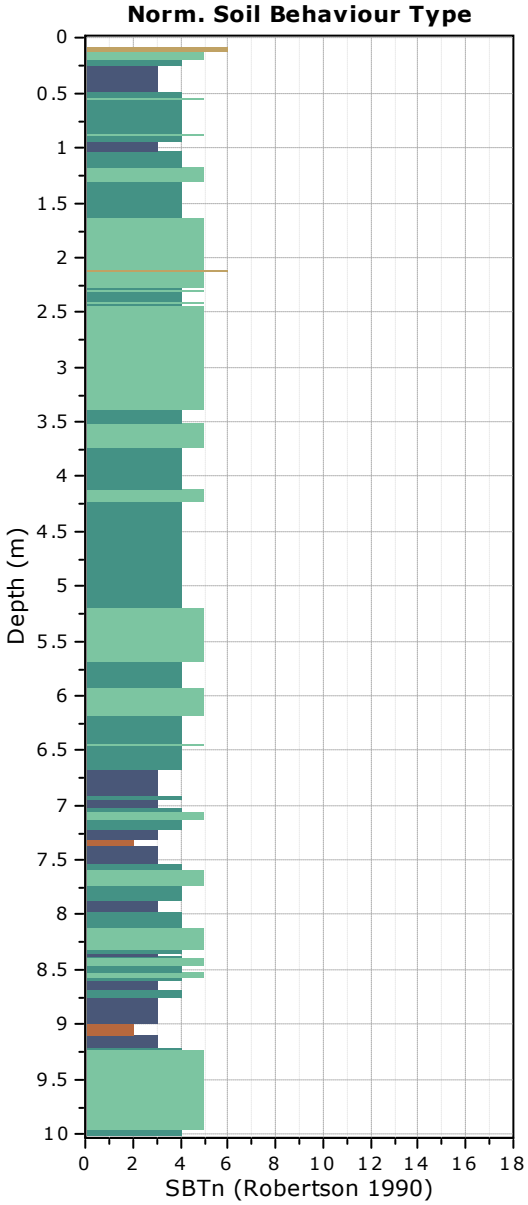

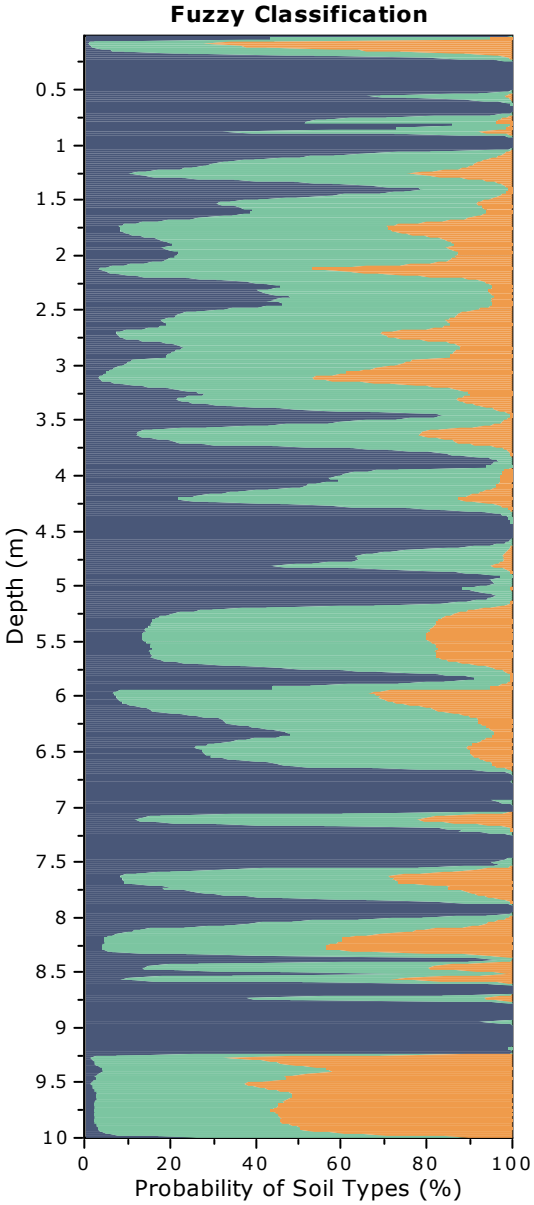

Fuzzy classifiaction legend

- Highly probable clayey soil
- Highly probable mixture soil
- Highly probable sandy soil

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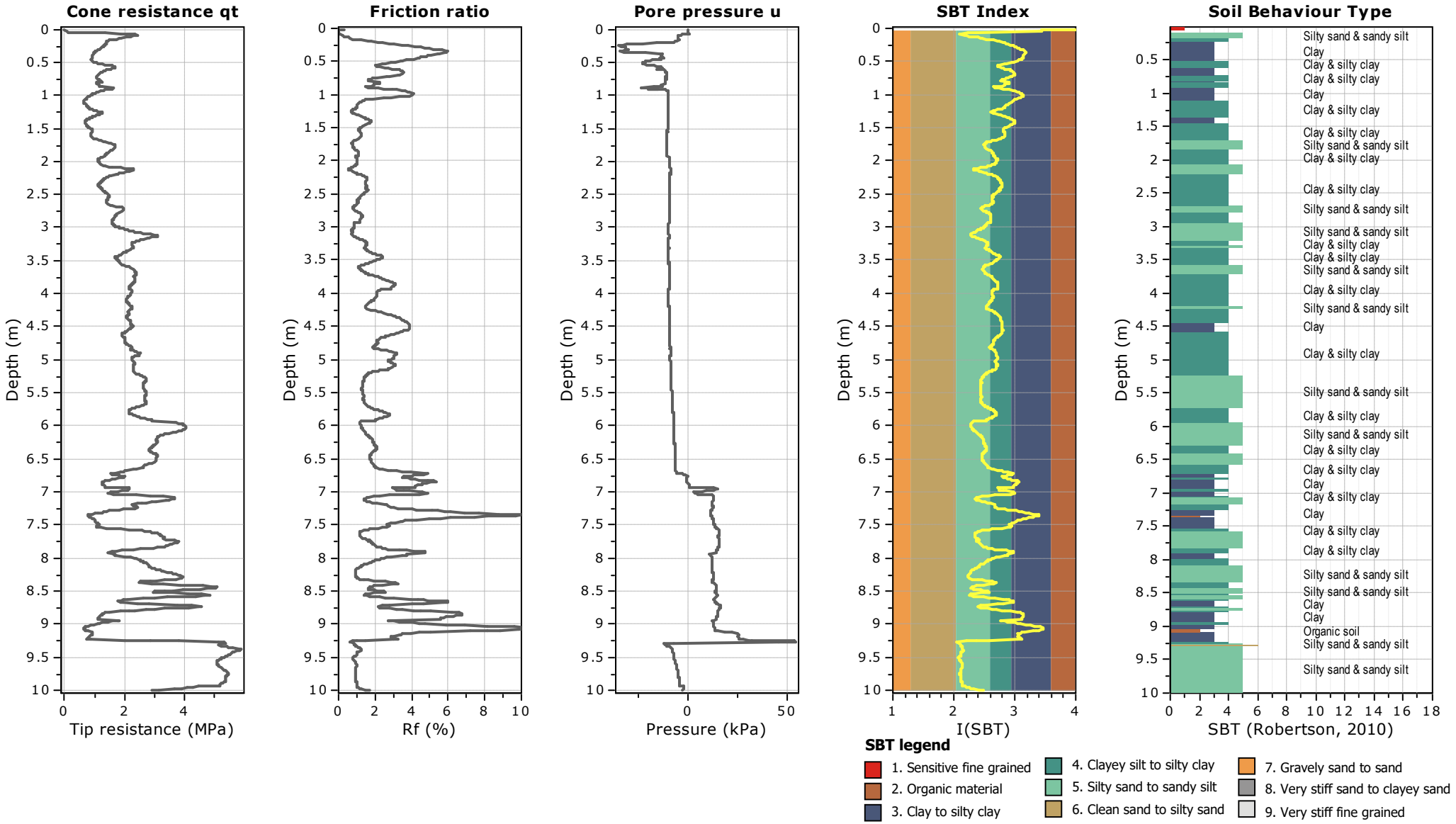

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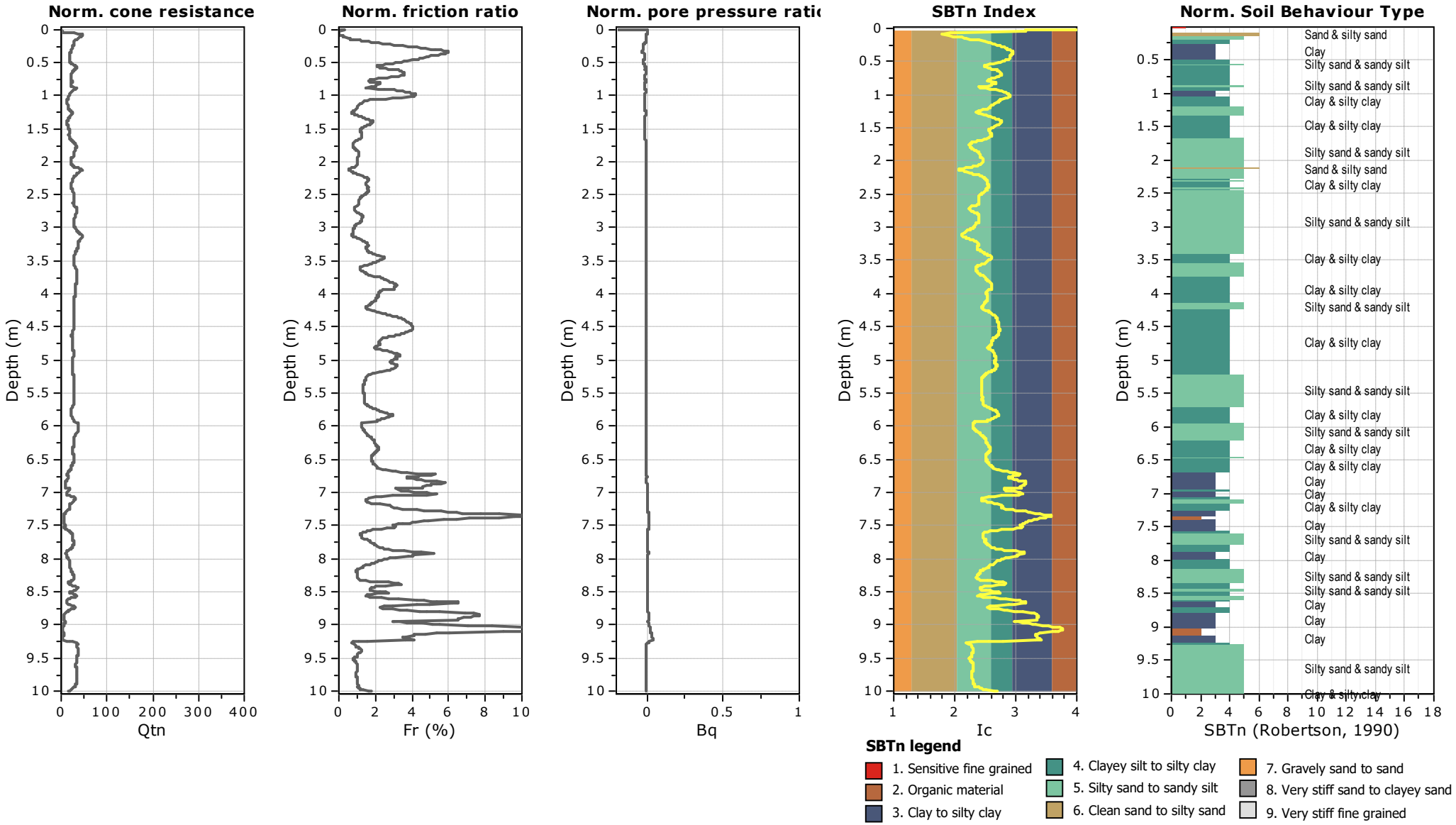

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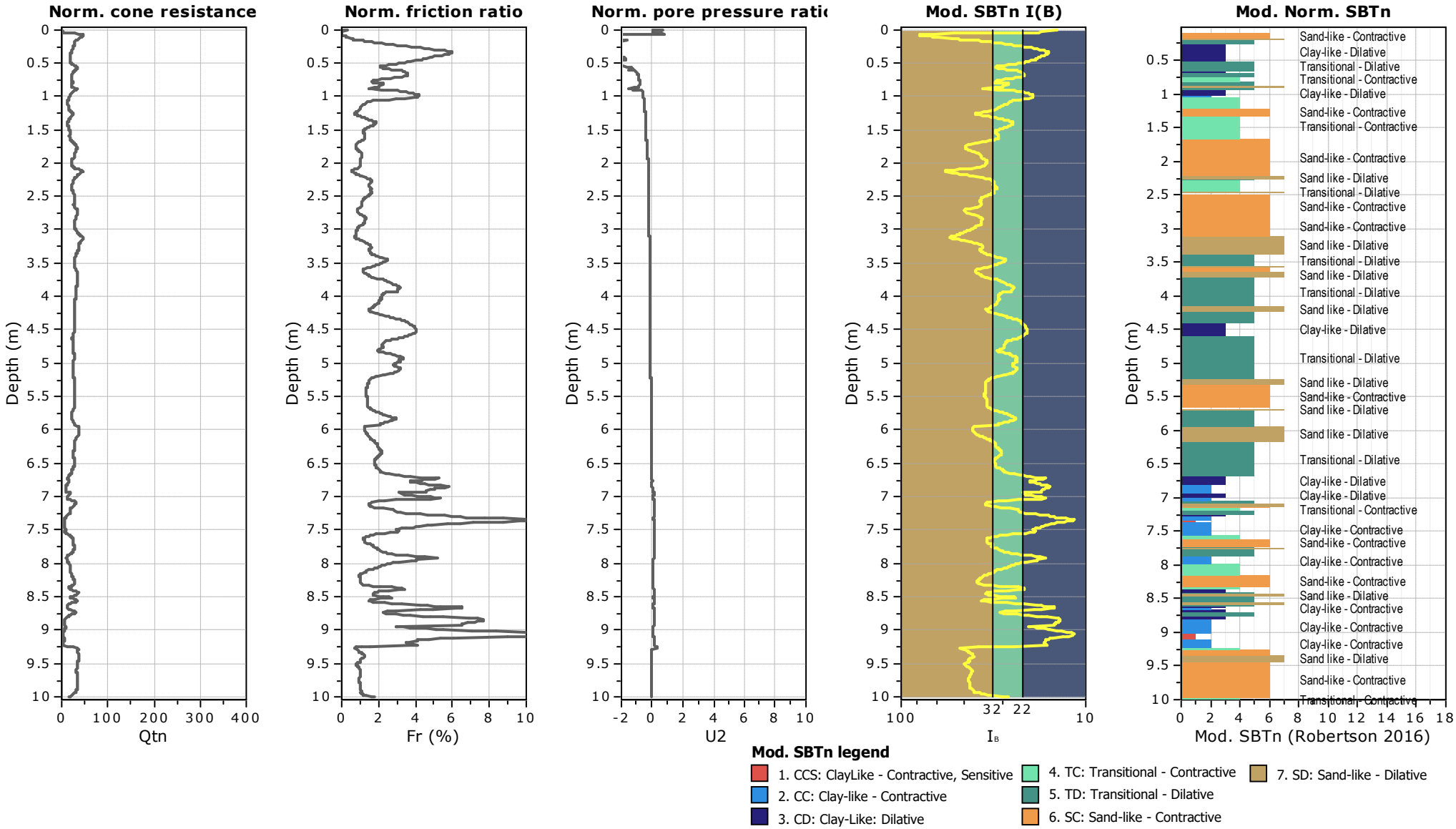

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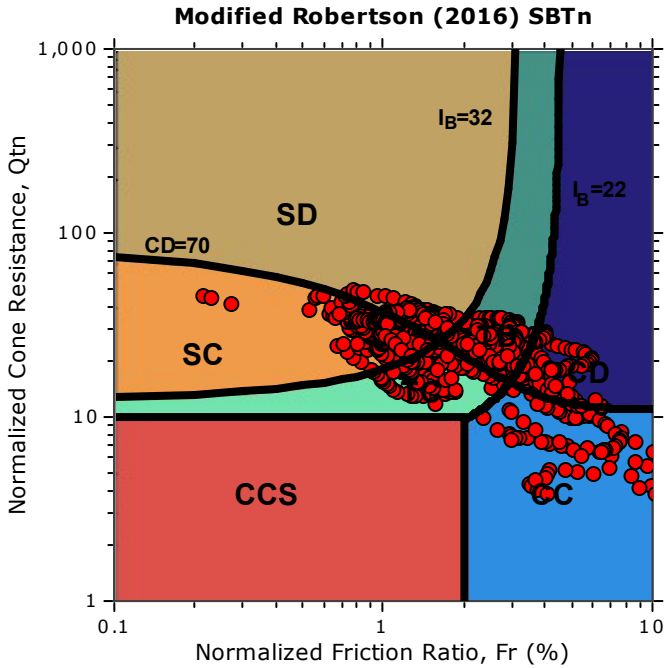
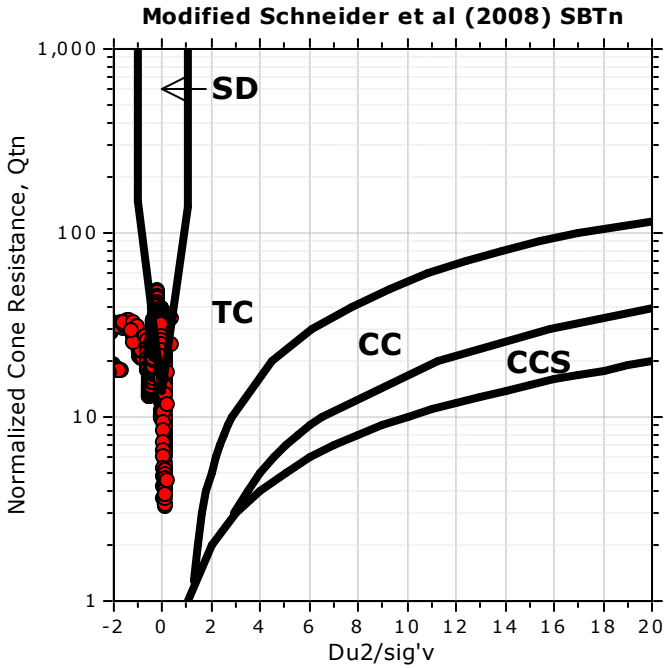
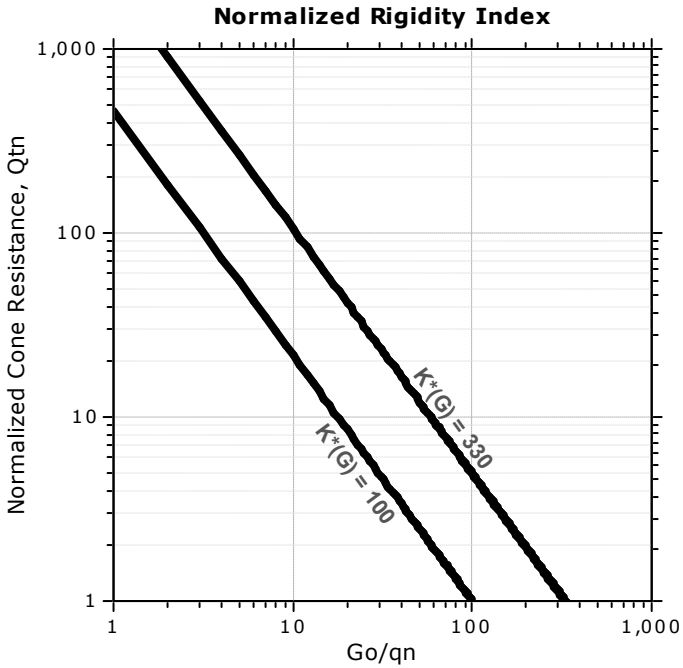
Updated SBTn plots







CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

K(G) > 330: Soils with significant microstructure (e.g. age/cementation)

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Project: **CPTU - Argine Arno**
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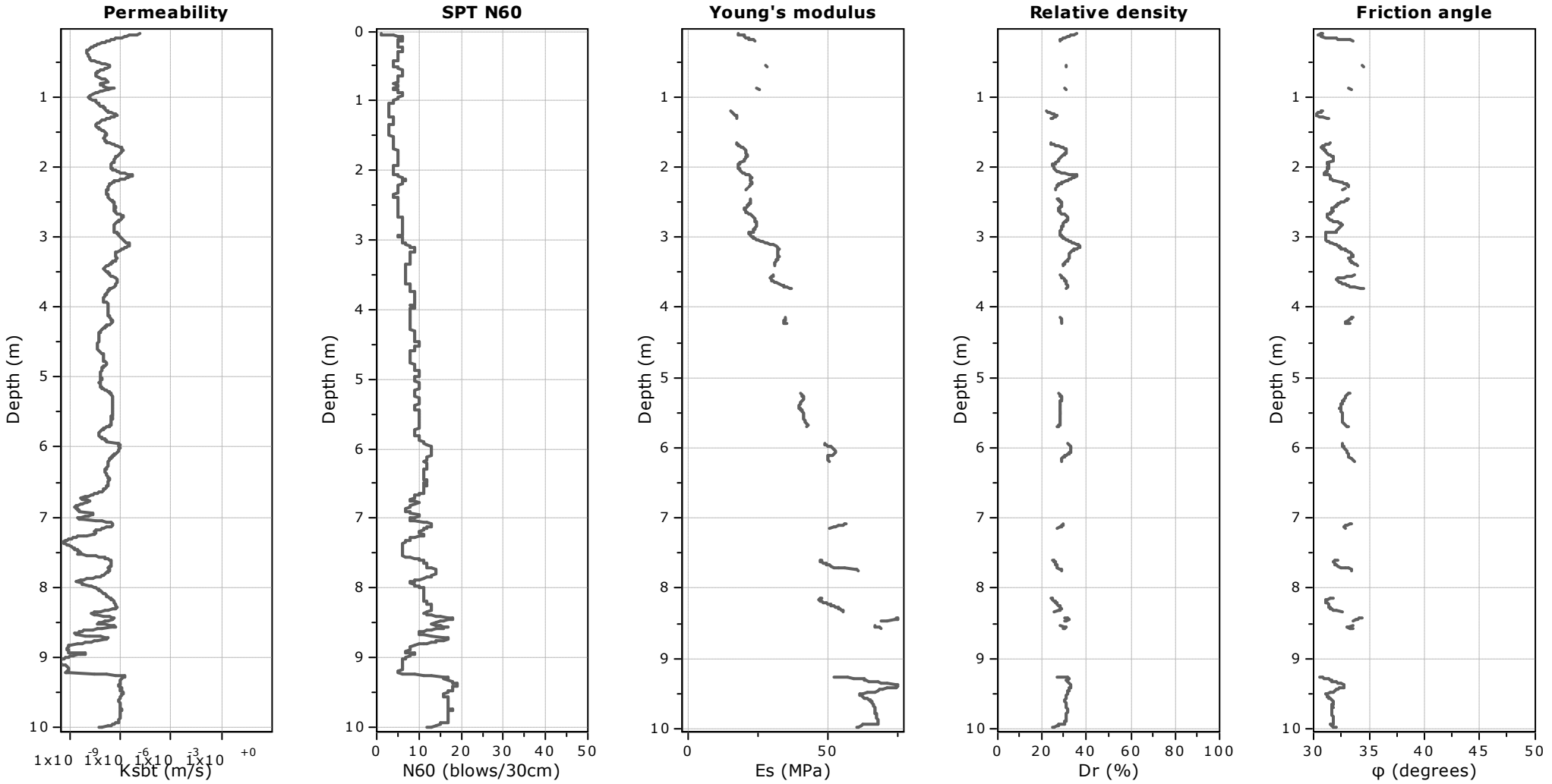

Calculation parameters

Permeability: Based on SBT_n
SPT N_{60}: Based on I_c and q_t
Young's modulus: Based on variable alpha using I_c (Robertson, 2009)
Relative density constant, C_{Dr}: 350.0
Phi: Based on Kulhawy & Mayne (1990)

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Project: **CPTU - Argine Arno**
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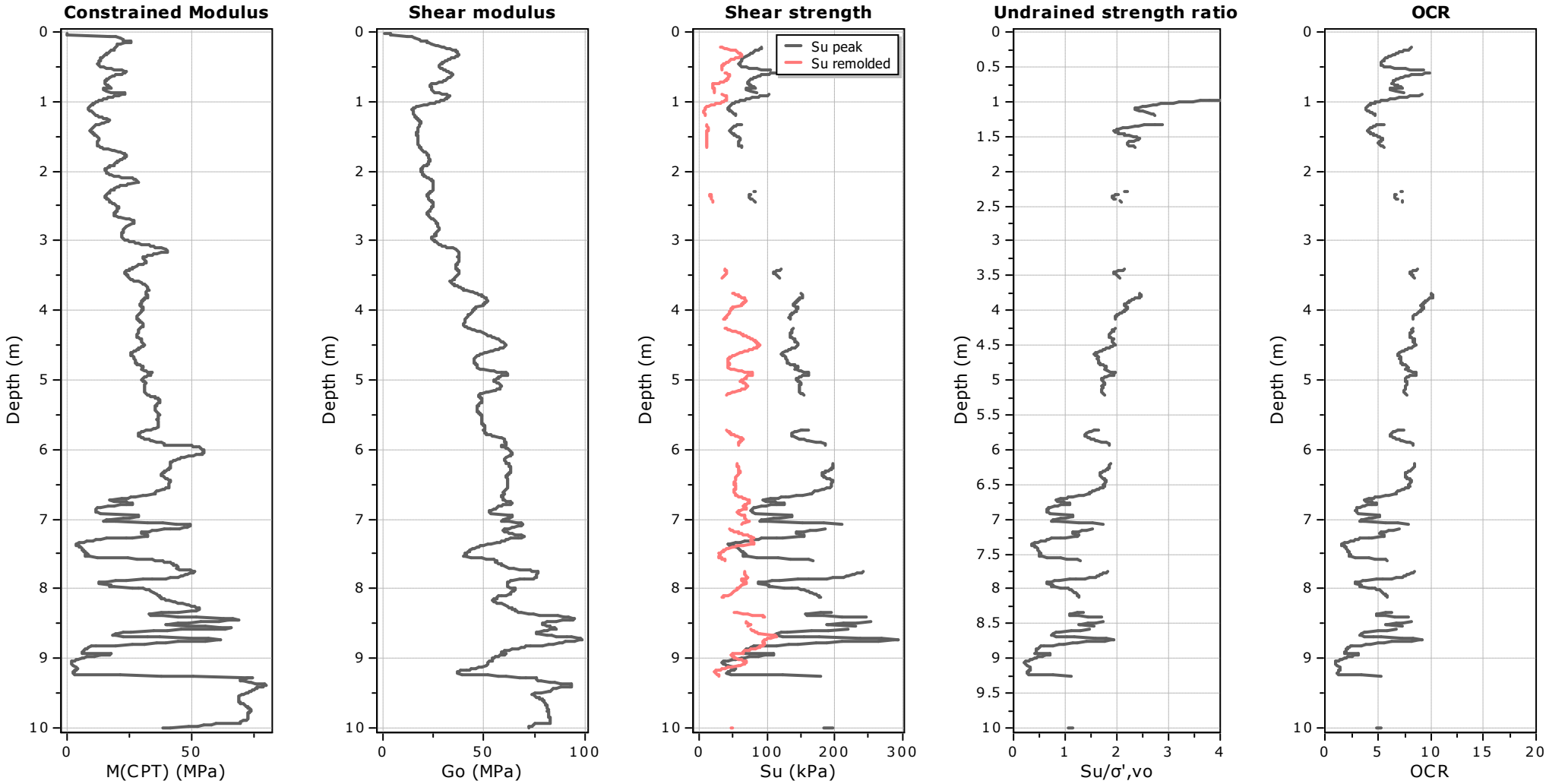

Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_{tn} (Robertson, 2009)
Go: Based on variable *alpha* using I_c (Robertson, 2009)
Undrained shear strength cone factor for clays, N_{kt}: 15
OCR factor for clays, N_{kt}: 0.30
Flat Dilatometer Test data

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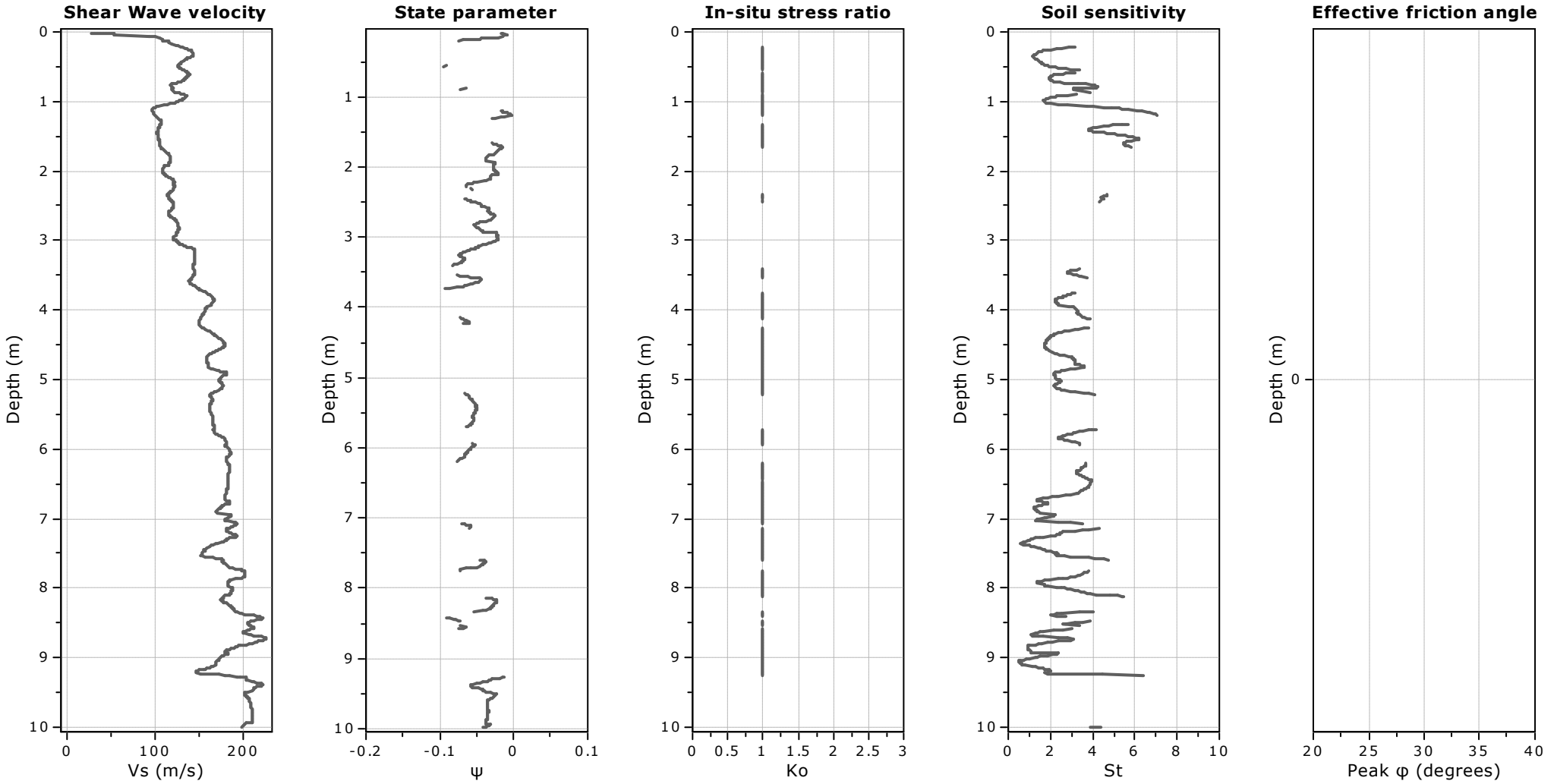

Calculation parameters

Soil Sensitivity factor, N_S: 7.00

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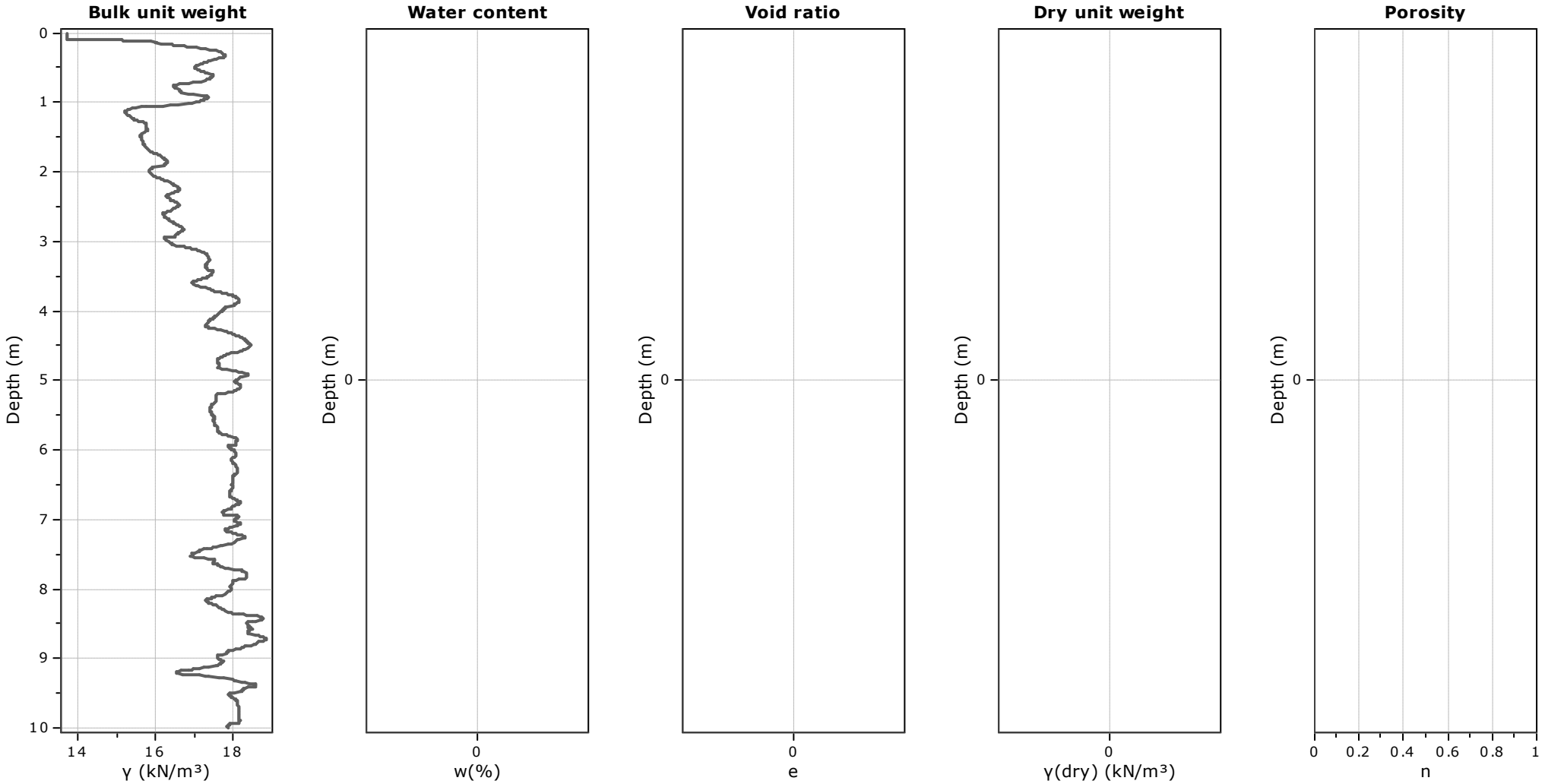

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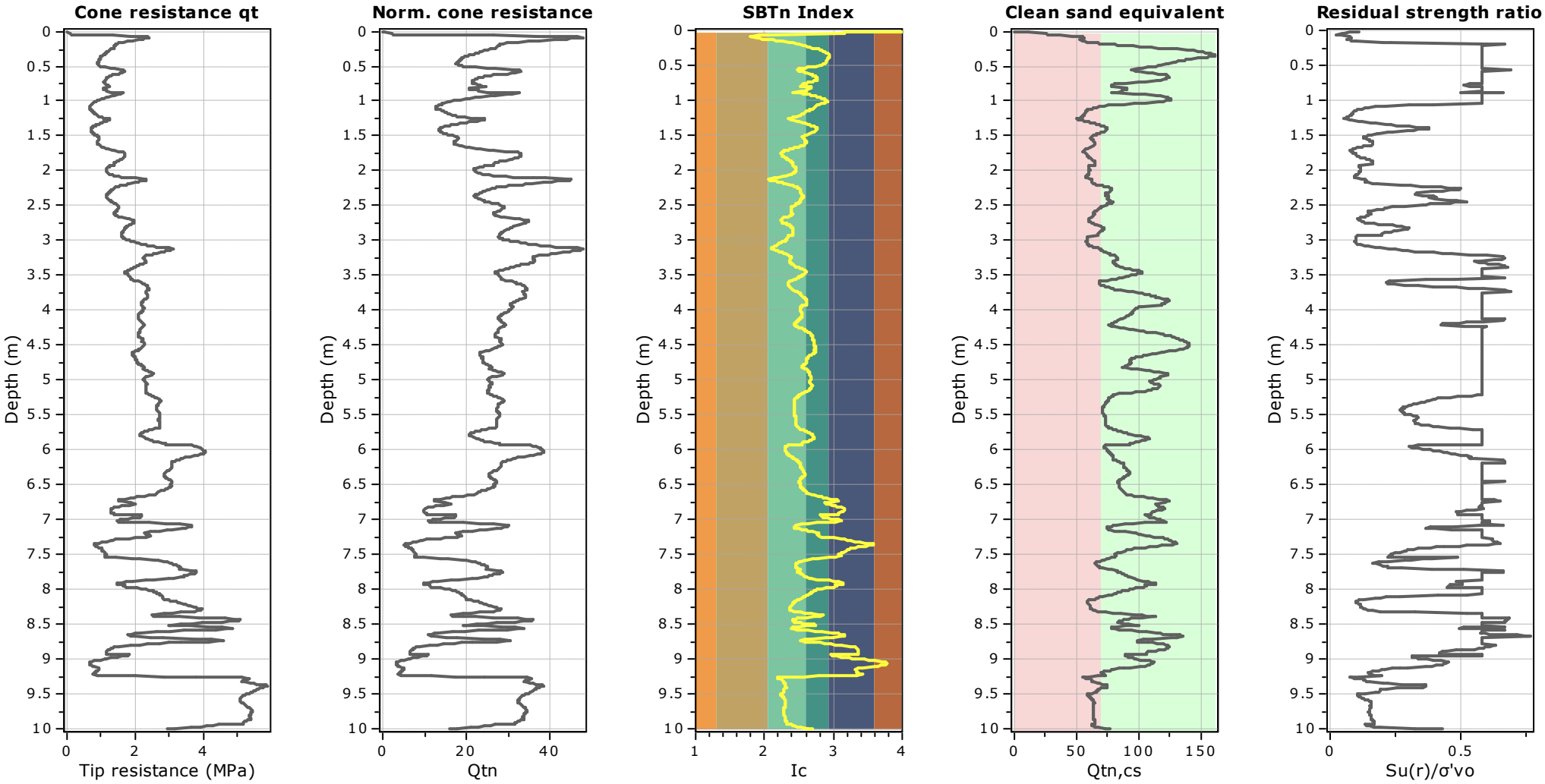

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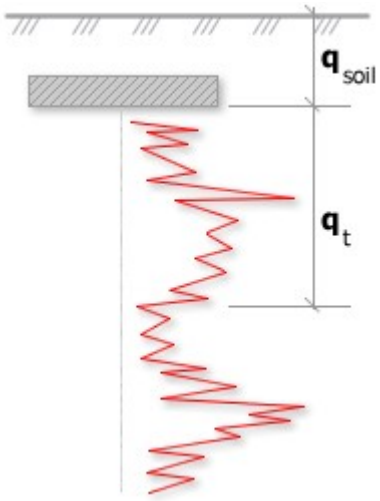
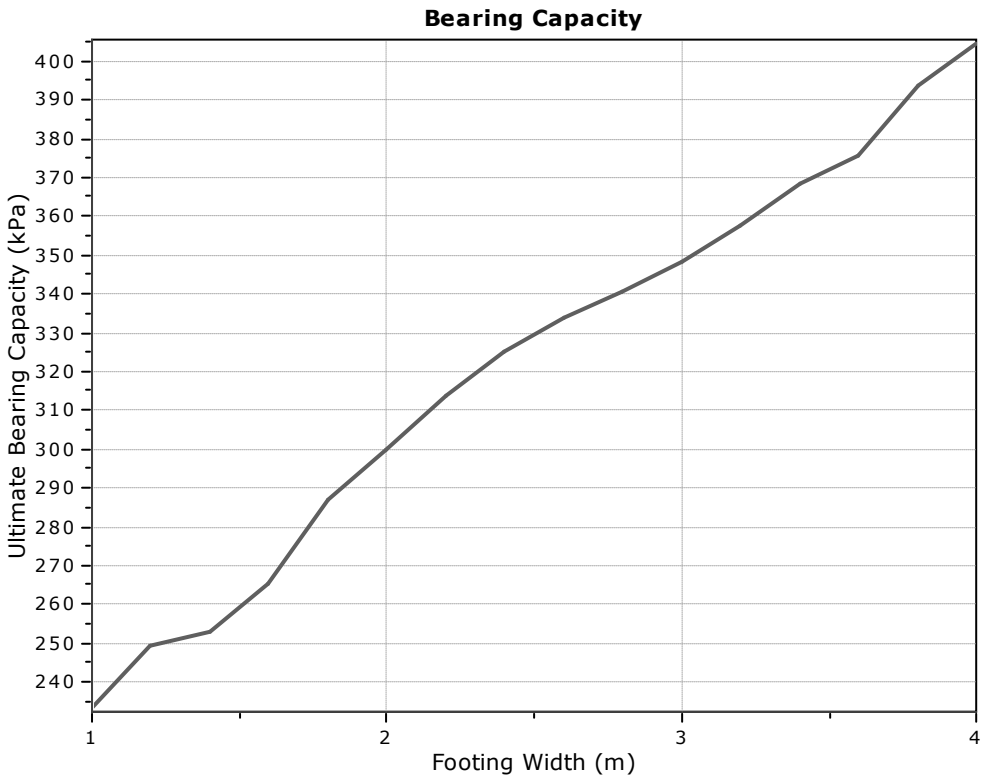


Bearing Capacity calculation is perfromed based on the formula:

$$Q_{ult} = R_k \times q_t + q_{soil}$$

where:
R_k: Bearing capacity factor
q_t: Average corrected cone resistance over calculation depth
q_{soil}: Pressure applied by soil above footing



:: Tabular results ::

No	B (m)	Start Depth (m)	End Depth (m)	Ave. q_t (MPa)	R_k	Soil Press. (kPa)	Ult. bearing cap. (kPa)
1	1.00	0.50	2.00	1.12	0.20	9.50	233.30
2	1.20	0.50	2.30	1.20	0.20	9.50	249.17
3	1.40	0.50	2.60	1.22	0.20	9.50	252.71
4	1.60	0.50	2.90	1.28	0.20	9.50	265.12
5	1.80	0.50	3.20	1.39	0.20	9.50	286.87
6	2.00	0.50	3.50	1.45	0.20	9.50	300.13
7	2.20	0.50	3.80	1.52	0.20	9.50	313.76
8	2.40	0.50	4.10	1.58	0.20	9.50	324.99
9	2.60	0.50	4.40	1.62	0.20	9.50	333.76
10	2.80	0.50	4.70	1.66	0.20	9.50	340.56
11	3.00	0.50	5.00	1.70	0.20	9.50	348.54
12	3.20	0.50	5.30	1.74	0.20	9.50	357.45
13	3.40	0.50	5.60	1.79	0.20	9.50	368.49
14	3.60	0.50	5.90	1.83	0.20	9.50	375.82
15	3.80	0.50	6.20	1.92	0.20	9.50	394.03
16	4.00	0.50	6.50	1.98	0.20	9.50	404.64

GeoDeep
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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
1	0.01	0.00	0.00	0.10	0.00	0.00	0.00	1.00	0.00	13.73	0.14	0.00	0.14	-0.85	0.00	-0.86	0.00	1.00	2.00	0.00	0.00	0.73	14.28	0.00
2	0.02	0.01	0.03	0.00	0.30	0.01	0.30	1.00	4.53	13.73	0.27	0.00	0.27	35.41	0.31	0.00	1.00	1.00	2.00	4.06	0.19	0.00	14.55	0.00
3	0.03	0.11	0.03	0.00	0.03	0.11	0.03	1.00	3.45	13.73	0.41	0.00	0.41	265.98	0.03	0.00	0.00	1.00	2.00	3.15	2.16	0.00	17.36	0.00
4	0.04	0.11	0.03	0.00	0.03	0.11	0.03	1.00	3.45	13.73	0.55	0.00	0.55	199.23	0.03	0.00	0.00	1.00	2.00	3.15	2.16	0.00	17.36	0.00
5	0.05	0.13	0.03	0.00	0.02	0.13	0.02	1.00	3.39	13.73	0.69	0.00	0.69	188.31	0.02	0.00	0.00	1.00	2.00	3.09	2.55	0.00	17.92	0.00
6	0.06	1.34	0.35	0.48	0.03	1.34	0.03	0.00	2.38	13.73	0.82	0.00	0.82	1625.26	0.03	0.00	0.00	0.64	2.00	2.08	26.44	0.58	51.54	0.00
7	0.07	1.87	0.50	0.77	0.03	1.87	0.03	0.00	2.23	13.73	0.96	0.00	0.96	1944.29	0.03	0.00	0.00	0.59	2.00	1.94	36.90	0.80	66.06	0.00
8	0.08	2.36	0.91	-2.59	0.04	2.36	0.04	0.00	2.11	13.73	1.10	0.00	1.10	2146.46	0.04	0.00	0.00	0.54	2.00	1.81	46.55	-2.36	78.77	0.00
9	0.09	2.42	1.10	-3.35	0.05	2.42	0.05	0.00	2.10	13.73	1.24	0.00	1.24	1956.26	0.05	0.00	0.00	0.53	2.00	1.80	47.73	-2.71	79.99	0.00
10	0.10	2.29	4.95	-4.31	0.22	2.29	0.22	5.00	2.19	15.15	1.39	0.00	1.39	1648.78	0.22	0.00	6.00	0.57	2.00	1.90	45.16	-3.11	69.14	6.00
11	0.11	2.23	5.11	-4.50	0.23	2.23	0.23	5.00	2.21	15.17	1.54	0.00	1.54	1447.16	0.23	0.00	6.00	0.58	2.00	1.92	43.97	-2.92	67.39	6.00
12	0.12	2.08	5.68	-4.60	0.27	2.08	0.27	5.00	2.26	15.27	1.69	0.00	1.69	1227.82	0.27	0.00	6.00	0.60	2.00	1.97	41.00	-2.72	62.80	6.00
13	0.13	1.90	10.12	-4.79	0.53	1.90	0.53	5.00	2.39	15.90	1.85	0.00	1.85	1025.01	0.53	0.00	5.00	0.66	2.00	2.12	37.45	-2.59	52.73	6.00
14	0.14	1.81	11.48	-4.89	0.64	1.81	0.63	5.00	2.44	16.02	2.01	0.00	2.01	898.50	0.64	0.00	5.00	0.68	2.00	2.17	35.67	-2.43	49.28	6.00
15	0.15	1.76	11.54	-4.89	0.66	1.76	0.66	5.00	2.46	16.02	2.17	0.00	2.17	809.12	0.66	0.00	5.00	0.69	2.00	2.19	34.68	-2.25	48.15	6.00
16	0.16	1.64	13.18	-4.70	0.80	1.64	0.80	5.00	2.53	16.14	2.33	0.00	2.33	701.63	0.81	0.00	5.00	0.71	2.00	2.26	32.31	-2.01	44.06	6.00
17	0.17	1.51	17.53	-4.03	1.16	1.51	1.16	4.00	2.63	16.44	2.50	0.00	2.50	603.36	1.16	0.00	5.00	0.76	2.00	2.37	29.74	-1.61	37.99	6.00
18	0.18	1.46	17.94	-5.46	1.23	1.46	1.23	4.00	2.66	16.45	2.66	0.00	2.66	547.10	1.23	0.00	5.00	0.77	2.00	2.40	28.74	-2.05	36.75	6.00
19	0.19	1.42	23.33	-6.23	1.64	1.42	1.64	4.00	2.73	16.75	2.83	0.00	2.83	500.47	1.65	0.00	5.00	0.80	2.00	2.48	27.95	-2.20	32.70	7.00
20	0.20	1.42	24.88	-6.42	1.76	1.42	1.75	4.00	2.75	16.82	3.00	0.00	3.00	472.31	1.76	0.00	5.00	0.80	2.00	2.50	27.94	-2.14	31.86	5.00
21	0.21	1.40	30.68	-15.53	2.18	1.40	2.20	4.00	2.81	17.05	3.17	0.00	3.17	439.91	2.20	-0.01	4.00	0.83	2.00	2.56	27.51	-4.90	28.73	5.00
22	0.22	1.39	33.67	-22.04	2.42	1.39	2.43	4.00	2.83	17.16	3.34	0.00	3.34	413.86	2.44	-0.02	4.00	0.84	2.00	2.59	27.28	-6.60	27.32	5.00
23	0.23	1.38	38.25	-29.90	2.76	1.37	2.78	3.00	2.87	17.30	3.51	0.00	3.51	390.10	2.79	-0.02	4.00	0.85	2.00	2.63	27.05	-8.51	25.46	5.00
24	0.24	1.37	41.40	-32.30	3.02	1.36	3.04	3.00	2.89	17.39	3.69	0.00	3.69	368.81	3.05	-0.02	4.00	0.86	2.00	2.66	26.84	-8.76	24.28	5.00
25	0.25	1.34	46.51	-34.31	3.48	1.33	3.49	3.00	2.94	17.51	3.86	0.00	3.86	344.15	3.50	-0.03	4.00	0.88	2.00	2.71	26.23	-8.89	22.39	5.00
26	0.26	1.31	49.03	-32.59	3.73	1.30	3.76	3.00	2.97	17.57	4.04	0.00	4.04	321.79	3.77	-0.03	4.00	0.89	2.00	2.73	25.64	-8.07	21.37	3.00
27	0.27	1.27	53.38	-30.86	4.22	1.26	4.22	3.00	3.01	17.65	4.21	0.00	4.21	298.86	4.24	-0.02	3.00	0.91	2.00	2.78	24.86	-7.32	19.88	3.00
28	0.28	1.24	55.27	-30.76	4.46	1.23	4.48	3.00	3.03	17.68	4.39	0.00	4.39	279.96	4.50	-0.03	3.00	0.92	2.00	2.80	24.26	-7.01	19.13	3.00
29	0.29	1.21	56.94	-30.67	4.70	1.20	4.73	3.00	3.05	17.71	4.57	0.00	4.57	262.50	4.75	-0.03	3.00	0.93	2.00	2.83	23.67	-6.71	18.46	3.00
30	0.30	1.18	58.49	-29.90	4.96	1.17	4.98	3.00	3.08	17.73	4.74	0.00	4.74	246.37	5.00	-0.03	3.00	0.94	2.00	2.85	23.07	-6.30	17.83	3.00
31	0.31	1.16	60.16	-29.33	5.19	1.15	5.21	3.00	3.09	17.76	4.92	0.00	4.92	233.40	5.24	-0.03	3.00	0.95	2.00	2.87	22.68	-5.96	17.31	3.00
32	0.32	1.13	62.02	-30.76	5.50	1.12	5.52	3.00	3.12	17.78	5.10	0.00	5.10	219.29	5.55	-0.03	3.00	0.96	2.00	2.89	22.08	-6.03	16.67	3.00
33	0.33	1.11	62.59	-32.49	5.63	1.10	5.67	3.00	3.13	17.78	5.28	0.00	5.28	208.01	5.70	-0.03	3.00	0.96	2.00	2.91	21.67	-6.16	16.36	3.00
34	0.34	1.06	62.43	-33.35	5.87	1.05	5.93	3.00	3.16	17.76	5.46	0.00	5.46	192.01	5.96	-0.03	3.00	0.97	2.00	2.94	20.68	-6.11	15.88	3.00
35	0.35	1.04	61.64	-31.63	5.92	1.03	5.97	3.00	3.17	17.74	5.63	0.00	5.63	182.44	6.00	-0.03	3.00	0.97	2.00	2.94	20.29	-5.62	15.80	3.00
36	0.36	1.00	58.36	-20.99	5.81	1.00	5.86	3.00	3.18	17.66	5.81	0.00	5.81	170.37	5.90	-0.02	3.00	0.98	2.00	2.95	19.54	-3.61	15.95	3.00
37	0.37	0.99	57.07	-13.51	5.78	0.99	5.78	3.00	3.18	17.64	5.99	0.00	5.99	163.91	5.82	-0.01	3.00	0.98	2.00	2.95	19.37	-2.26	16.08	3.00
38	0.38	0.97	53.54	-12.56	5.54	0.97	5.53	3.00	3.17	17.55	6.16	0.00	6.16	156.00	5.57	-0.01	3.00	0.97	2.00	2.94	18.97	-2.04	16.49	3.00
39	0.39	0.96	51.84	-12.94	5.39	0.96	5.42	3.00	3.17	17.51	6.34	0.00	6.34	150.07	5.45	-0.01	3.00	0.97	2.00	2.94	18.77	-2.04	16.70	3.00
40	0.40	0.96	47.96	-12.94	5.02	0.96	5.01	3.00	3.15	17.42	6.51	0.00	6.51	146.03	5.04	-0.01	3.00	0.97	2.00	2.92	18.77	-1.99	17.47	3.00
41	0.41	0.95	46.03	-13.42	4.84	0.95	4.86	3.00	3.14	17.37	6.68	0.00	6.68	140.69	4.89	-0.01	3.00	0.96	2.00	2.91	18.56	-2.01	17.76	3.00
42	0.42	0.94	44.80	-12.36	4.77	0.94	4.78	3.00	3.14	17.34	6.86	0.00	6.86	135.69	4.81	-0.01	3.00	0.96	2.00	2.91	18.37	-1.80	17.91	3.00
43	0.43	0.92	41.59	-11.88	4.50	0.92	4.53	3.00	3.14	17.24	7.03	0.00	7.03	129.50	4.57	-0.01	3.00	0.96	2.00	2.91	17.97	-1.69	18.39	3.00
44	0.44	0.92	40.30	-13.99	4.39	0.92	4.39	3.00	3.13	17.21	7.20	0.00	7.20	126.32	4.43	-0.02	3.00	0.96	2.00	2.90	17.96	-1.94	18.70	3.00
45	0.45	0.91	39.19	-12.84	4.32	0.91	4.32	3.00	3.13	17.17	7.37	0.00	7.37	122.04	4.35	-0.01	3.00	0.96	2.00	2.90	17.76	-1.74	18.84	3.00

Via di Belvedere 11/B 55054 Bozzano - Massarosa (LU) T (+39)328.6122159 C. Fisc & Part. IVA 02589320460 info@geodeep.it

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
46	0.46	0.90	36.83	-16.29	4.08	0.90	4.11	3.00	3.12	17.09	7.55	0.00	7.55	117.83	4.14	-0.02	3.00	0.95	2.00	2.89	17.55	-2.16	19.31	3.00
47	0.47	0.91	35.91	-17.06	3.96	0.91	3.96	3.00	3.11	17.07	7.72	0.00	7.72	116.47	4.00	-0.02	3.00	0.95	2.00	2.87	17.74	-2.21	19.69	3.00
48	0.48	0.93	34.12	-18.88	3.65	0.93	3.68	3.00	3.08	17.02	7.89	0.00	7.89	116.43	3.72	-0.02	3.00	0.94	2.00	2.85	18.12	-2.39	20.48	3.00
49	0.49	0.96	33.64	-21.18	3.52	0.96	3.52	3.00	3.06	17.01	8.06	0.00	8.06	117.61	3.55	-0.02	3.00	0.93	2.00	2.82	18.70	-2.63	21.04	3.00
50	0.50	0.99	33.30	-20.61	3.37	0.99	3.38	3.00	3.04	17.01	8.23	0.00	8.23	118.82	3.41	-0.02	4.00	0.92	2.00	2.80	19.29	-2.51	21.58	3.00
51	0.51	1.07	32.66	-22.52	3.04	1.07	3.07	3.00	2.98	17.02	8.40	0.00	8.40	125.87	3.09	-0.02	4.00	0.90	2.00	2.75	20.86	-2.68	22.95	5.00
52	0.52	1.13	32.60	-22.33	2.88	1.13	2.90	3.00	2.95	17.04	8.57	0.00	8.57	130.35	2.92	-0.02	4.00	0.89	2.00	2.71	22.04	-2.61	23.85	5.00
53	0.53	1.29	32.63	-21.66	2.54	1.29	2.54	4.00	2.87	17.09	8.74	0.00	8.74	146.11	2.56	-0.02	4.00	0.86	2.00	2.63	25.20	-2.48	26.19	5.00
54	0.54	1.38	32.66	-19.93	2.36	1.38	2.37	4.00	2.83	17.12	8.91	0.00	8.91	153.43	2.39	-0.01	4.00	0.84	2.00	2.59	26.98	-2.24	27.50	5.00
55	0.55	1.59	32.92	-16.96	2.08	1.59	2.08	4.00	2.75	17.18	9.08	0.00	9.08	173.70	2.09	-0.01	4.00	0.81	2.00	2.51	31.13	-1.87	30.47	5.00
56	0.56	1.66	33.96	-15.33	2.05	1.66	2.05	4.00	2.73	17.24	9.25	0.00	9.25	178.05	2.06	-0.01	5.00	0.80	2.00	2.49	32.52	-1.66	31.03	5.00
57	0.57	1.69	35.79	-13.13	2.11	1.69	2.12	4.00	2.73	17.30	9.43	0.00	9.43	177.99	2.13	-0.01	5.00	0.80	2.00	2.49	33.12	-1.39	30.66	5.00
58	0.58	1.68	37.21	-13.03	2.22	1.68	2.22	4.00	2.74	17.35	9.60	0.00	9.60	173.72	2.23	-0.01	4.00	0.81	2.00	2.50	32.92	-1.36	29.92	5.00
59	0.59	1.61	40.86	-12.08	2.53	1.61	2.54	4.00	2.79	17.44	9.77	0.00	9.77	163.46	2.56	-0.01	4.00	0.83	2.00	2.56	31.54	-1.24	27.57	5.00
60	0.60	1.57	42.53	-15.05	2.71	1.57	2.71	4.00	2.82	17.47	9.95	0.00	9.95	156.49	2.73	-0.01	4.00	0.84	2.00	2.58	30.73	-1.51	26.46	5.00
61	0.61	1.52	44.17	-13.42	2.91	1.52	2.91	4.00	2.85	17.51	10.12	0.00	10.12	148.86	2.93	-0.01	4.00	0.85	2.00	2.61	29.75	-1.33	25.29	5.00
62	0.62	1.40	44.90	-11.88	3.21	1.40	3.21	3.00	2.90	17.49	10.30	0.00	10.30	134.69	3.24	-0.01	4.00	0.87	2.00	2.67	27.38	-1.15	23.57	5.00
63	0.63	1.35	44.58	-11.21	3.31	1.35	3.31	3.00	2.92	17.47	10.47	0.00	10.47	127.67	3.33	-0.01	4.00	0.88	2.00	2.69	26.39	-1.07	23.03	5.00
64	0.64	1.31	44.55	-10.93	3.40	1.31	3.41	3.00	2.94	17.46	10.65	0.00	10.65	121.81	3.43	-0.01	4.00	0.89	2.00	2.71	25.60	-1.03	22.54	5.00
65	0.65	1.25	43.39	-10.73	3.47	1.25	3.48	3.00	2.96	17.41	10.82	0.00	10.82	114.29	3.51	-0.01	4.00	0.90	2.00	2.73	24.41	-0.99	22.11	5.00
66	0.66	1.22	43.13	-10.64	3.53	1.22	3.54	3.00	2.97	17.39	11.00	0.00	11.00	109.74	3.57	-0.01	4.00	0.90	2.00	2.74	23.82	-0.97	21.80	3.00
67	0.67	1.18	41.56	-10.54	3.52	1.18	3.53	3.00	2.98	17.34	11.17	0.00	11.17	104.44	3.56	-0.01	4.00	0.90	2.00	2.75	23.03	-0.94	21.72	3.00
68	0.68	1.16	40.61	-10.54	3.50	1.16	3.51	3.00	2.99	17.30	11.34	0.00	11.34	101.07	3.54	-0.01	4.00	0.91	2.00	2.76	22.63	-0.93	21.73	3.00
69	0.69	1.14	39.82	-10.54	3.48	1.14	3.50	3.00	2.99	17.28	11.52	0.00	11.52	97.80	3.54	-0.01	4.00	0.91	2.00	2.76	22.23	-0.92	21.69	3.00
70	0.70	1.11	37.24	-10.64	3.35	1.11	3.36	3.00	2.99	17.19	11.69	0.00	11.69	93.78	3.40	-0.01	4.00	0.91	2.00	2.76	21.63	-0.91	22.04	5.00
71	0.71	1.10	35.69	-10.64	3.24	1.10	3.25	3.00	2.99	17.14	11.86	0.00	11.86	91.57	3.29	-0.01	4.00	0.91	2.00	2.76	21.43	-0.90	22.38	5.00
72	0.72	1.10	30.87	-10.73	2.81	1.10	2.81	3.00	2.95	16.97	12.03	0.00	12.03	90.26	2.84	-0.01	4.00	0.89	2.00	2.72	21.43	-0.89	24.01	5.00
73	0.73	1.09	28.25	-10.64	2.58	1.09	2.60	3.00	2.94	16.86	12.20	0.00	12.20	88.18	2.63	-0.01	4.00	0.88	2.00	2.70	21.23	-0.87	24.83	5.00
74	0.74	1.10	23.17	-10.73	2.11	1.10	2.11	4.00	2.88	16.64	12.36	0.00	12.36	87.79	2.13	-0.01	4.00	0.86	2.00	2.64	21.42	-0.87	27.15	5.00
75	0.75	1.12	21.22	-10.64	1.90	1.12	1.90	4.00	2.85	16.54	12.53	0.00	12.53	88.21	1.92	-0.01	4.00	0.85	2.00	2.61	21.82	-0.85	28.44	4.00
76	0.76	1.13	19.83	-10.73	1.75	1.13	1.76	4.00	2.83	16.47	12.69	0.00	12.69	87.84	1.78	-0.01	4.00	0.84	2.00	2.59	22.01	-0.85	29.33	4.00
77	0.77	1.17	19.67	-10.73	1.68	1.17	1.68	4.00	2.81	16.47	12.86	0.00	12.86	89.82	1.70	-0.01	4.00	0.83	2.00	2.56	22.80	-0.83	30.14	4.00
78	0.78	1.19	19.74	-10.83	1.66	1.19	1.66	4.00	2.80	16.48	13.02	0.00	13.02	90.20	1.68	-0.01	4.00	0.83	2.00	2.55	23.19	-0.83	30.46	4.00
79	0.79	1.23	20.15	-10.93	1.63	1.23	1.64	4.00	2.78	16.52	13.19	0.00	13.19	92.09	1.66	-0.01	4.00	0.82	2.00	2.54	23.97	-0.83	30.95	4.00
80	0.80	1.26	20.75	-10.93	1.65	1.26	1.65	4.00	2.78	16.56	13.35	0.00	13.35	93.18	1.67	-0.01	4.00	0.82	2.00	2.53	24.56	-0.82	31.15	4.00
81	0.81	1.06	23.40	-11.12	2.20	1.06	2.21	3.00	2.91	16.64	13.52	0.00	13.52	77.23	2.24	-0.01	4.00	0.87	2.00	2.67	20.61	-0.82	26.35	5.00
82	0.82	1.06	23.40	-11.12	2.20	1.06	2.21	3.00	2.91	16.64	13.69	0.00	13.69	76.28	2.24	-0.01	4.00	0.87	2.00	2.67	20.61	-0.81	26.34	5.00
83	0.83	1.06	23.40	-11.12	2.20	1.06	2.21	3.00	2.91	16.64	13.85	0.00	13.85	75.35	2.24	-0.01	4.00	0.87	2.00	2.67	20.60	-0.80	26.34	5.00
84	0.84	1.17	23.05	-12.84	1.97	1.17	1.97	4.00	2.85	16.66	14.02	0.00	14.02	82.26	2.00	-0.01	4.00	0.85	2.00	2.60	22.76	-0.92	28.37	5.00
85	0.85	1.17	23.05	-12.84	1.97	1.17	1.97	4.00	2.85	16.66	14.19	0.00	14.19	81.28	2.00	-0.01	4.00	0.85	2.00	2.60	22.76	-0.91	28.36	5.00
86	0.86	1.17	23.05	-12.75	1.97	1.17	1.97	4.00	2.85	16.66	14.35	0.00	14.35	80.33	2.00	-0.01	4.00	0.85	2.00	2.60	22.76	-0.89	28.36	5.00
87	0.87	1.29	22.73	-16.77	1.77	1.29	1.77	4.00	2.78	16.68	14.52	0.00	14.52	87.60	1.79	-0.01	4.00	0.83	2.00	2.54	25.11	-1.15	30.56	5.00
88	0.88	1.66	24.44	-22.81	1.47	1.66	1.48	4.00	2.65	16.86	14.69	0.00	14.69	111.69	1.49	-0.01	5.00	0.77	2.00	2.40	32.38	-1.55	35.84	7.00
89	0.89	1.67	26.83	-17.35	1.61	1.67	1.61	4.00	2.67	16.97	14.86	0.00	14.86	111.15	1.62	-0.01	5.00	0.78	2.00	2.42	32.60	-1.17	34.64	7.00
90	0.90	1.58	33.64	-14.86	2.13	1.58	2.13	4.00	2.75	17.21	15.03	0.00	15.03	103.92	2.15	-0.01	4.00	0.82	2.00	2.52	30.83	-0.99	29.93	5.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
91	0.91	1.52	37.43	-19.55	2.47	1.52	2.47	4.00	2.80	17.31	15.20	0.00	15.20	98.71	2.49	-0.01	4.00	0.84	2.00	2.57	29.62	-1.29	27.54	5.00
92	0.92	1.38	40.96	-10.83	2.96	1.38	2.97	3.00	2.89	17.38	15.38	0.00	15.38	88.60	3.01	-0.01	4.00	0.87	2.00	2.65	26.89	-0.70	24.46	5.00
93	0.93	1.32	41.43	-10.06	3.14	1.32	3.14	3.00	2.92	17.38	15.55	0.00	15.55	83.75	3.18	-0.01	4.00	0.88	2.00	2.69	25.71	-0.65	23.53	5.00
94	0.94	1.20	41.40	-9.78	3.46	1.20	3.46	3.00	2.97	17.34	15.72	0.00	15.72	75.19	3.50	-0.01	4.00	0.90	2.00	2.74	23.34	-0.62	21.97	3.00
95	0.95	1.14	41.24	-9.68	3.63	1.14	3.62	3.00	3.00	17.32	15.90	0.00	15.90	70.58	3.68	-0.01	4.00	0.92	2.00	2.78	22.15	-0.61	21.23	3.00
96	0.96	1.06	40.42	-9.68	3.82	1.06	3.82	3.00	3.04	17.26	16.07	0.00	16.07	64.84	3.88	-0.01	3.00	0.93	2.00	2.81	20.57	-0.60	20.41	3.00
97	0.97	1.02	39.85	-9.58	3.91	1.02	3.91	3.00	3.06	17.23	16.24	0.00	16.24	61.68	3.98	-0.01	3.00	0.94	2.00	2.83	19.77	-0.59	20.03	3.00
98	0.98	0.95	38.66	-9.58	4.07	0.95	4.08	3.00	3.10	17.17	16.41	0.00	16.41	56.76	4.15	-0.01	3.00	0.95	2.00	2.87	18.39	-0.58	19.40	3.00
99	0.99	0.92	37.58	-9.49	4.09	0.92	4.09	3.00	3.11	17.13	16.59	0.00	16.59	54.35	4.17	-0.01	3.00	0.96	2.00	2.88	17.79	-0.57	19.28	3.00
100	1.00	0.89	35.98	-9.49	4.06	0.89	4.05	3.00	3.12	17.06	16.76	0.00	16.76	52.00	4.13	-0.01	3.00	0.96	2.00	2.89	17.20	-0.57	19.29	3.00
101	1.01	0.83	33.11	-9.58	3.97	0.83	4.00	3.00	3.14	16.94	16.93	0.00	16.93	47.92	4.08	-0.01	3.00	0.97	2.00	2.91	16.01	-0.57	19.22	3.00
102	1.02	0.81	31.37	-9.58	3.89	0.81	3.88	3.00	3.14	16.87	17.09	0.00	17.09	46.27	3.97	-0.01	3.00	0.97	2.00	2.91	15.61	-0.56	19.41	3.00
103	1.03	0.76	25.32	-9.58	3.32	0.76	3.34	3.00	3.13	16.60	17.26	0.00	17.26	42.92	3.42	-0.01	3.00	0.96	2.00	2.90	14.62	-0.56	20.52	3.00
104	1.04	0.74	21.44	-9.49	2.89	0.74	2.91	3.00	3.10	16.40	17.42	0.00	17.42	41.36	2.98	-0.01	3.00	0.95	2.00	2.87	14.22	-0.54	21.57	2.00
105	1.05	0.73	17.91	-9.49	2.47	0.73	2.46	3.00	3.07	16.19	17.59	0.00	17.59	40.40	2.52	-0.01	4.00	0.94	2.00	2.83	14.02	-0.54	22.80	4.00
106	1.06	0.70	12.77	-9.58	1.83	0.70	1.83	3.00	3.02	15.78	17.74	0.00	17.74	38.34	1.88	-0.01	4.00	0.92	2.00	2.78	13.43	-0.54	24.61	4.00
107	1.07	0.69	11.57	-9.49	1.68	0.69	1.68	3.00	3.01	15.66	17.90	0.00	17.90	37.44	1.73	-0.01	4.00	0.91	2.00	2.76	13.23	-0.53	25.02	4.00
108	1.08	0.67	10.03	-9.58	1.49	0.67	1.50	3.00	3.00	15.49	18.06	0.00	18.06	36.00	1.54	-0.01	4.00	0.91	2.00	2.75	12.83	-0.53	25.42	4.00
109	1.09	0.67	9.30	-9.58	1.39	0.67	1.39	3.00	2.98	15.40	18.21	0.00	18.21	35.68	1.43	-0.01	4.00	0.90	2.00	2.73	12.83	-0.53	25.83	4.00
110	1.10	0.67	8.67	-9.49	1.30	0.67	1.30	3.00	2.97	15.32	18.36	0.00	18.36	35.38	1.33	-0.01	4.00	0.89	2.00	2.72	12.82	-0.52	26.20	4.00
111	1.11	0.67	8.39	-9.49	1.25	0.67	1.26	3.00	2.96	15.28	18.51	0.00	18.51	35.08	1.29	-0.01	4.00	0.89	2.00	2.71	12.82	-0.51	26.36	4.00
112	1.12	0.68	8.10	-9.49	1.19	0.68	1.19	4.00	2.95	15.25	18.67	0.00	18.67	35.32	1.23	-0.01	4.00	0.89	2.00	2.70	13.01	-0.51	26.76	4.00
113	1.13	0.71	7.85	-9.49	1.11	0.71	1.11	4.00	2.91	15.23	18.82	0.00	18.82	36.62	1.14	-0.01	4.00	0.87	2.00	2.66	13.60	-0.50	27.61	4.00
114	1.14	0.73	7.85	-9.49	1.08	0.73	1.08	4.00	2.90	15.24	18.97	0.00	18.97	37.37	1.11	-0.01	4.00	0.87	2.00	2.65	14.00	-0.50	28.07	4.00
115	1.15	0.76	7.82	-9.49	1.03	0.76	1.03	4.00	2.87	15.25	19.12	0.00	19.12	38.64	1.06	-0.01	4.00	0.86	2.00	2.62	14.58	-0.50	28.78	4.00
116	1.16	0.77	7.82	-9.49	1.01	0.77	1.02	4.00	2.87	15.25	19.28	0.00	19.28	38.84	1.04	-0.01	4.00	0.85	2.00	2.61	14.78	-0.49	29.00	4.00
117	1.17	0.80	7.88	-9.49	0.98	0.80	0.99	4.00	2.85	15.28	19.43	0.00	19.43	40.07	1.01	-0.01	4.00	0.85	2.00	2.59	15.37	-0.49	29.65	4.00
118	1.18	0.82	7.98	-9.49	0.98	0.82	0.98	4.00	2.83	15.30	19.58	0.00	19.58	40.77	1.00	-0.01	4.00	0.84	2.00	2.58	15.76	-0.48	30.04	4.00
119	1.19	0.83	8.04	-9.49	0.97	0.83	0.97	4.00	2.83	15.31	19.74	0.00	19.74	40.95	0.99	-0.01	4.00	0.84	2.00	2.57	15.95	-0.48	30.22	4.00
120	1.20	0.87	8.10	-9.49	0.94	0.87	0.93	4.00	2.80	15.34	19.89	0.00	19.89	42.64	0.96	-0.01	5.00	0.83	2.00	2.55	16.74	-0.48	31.10	4.00
121	1.21	0.90	8.17	-9.49	0.91	0.90	0.91	4.00	2.78	15.36	20.04	0.00	20.04	43.80	0.93	-0.01	5.00	0.82	2.00	2.53	17.33	-0.47	31.73	4.00
122	1.22	0.92	8.20	-9.49	0.89	0.92	0.89	4.00	2.77	15.38	20.20	0.00	20.20	44.45	0.91	-0.01	5.00	0.82	2.00	2.52	17.72	-0.47	32.16	4.00
123	1.23	1.01	8.20	-9.49	0.81	1.01	0.81	4.00	2.72	15.41	20.35	0.00	20.35	48.53	0.83	-0.01	5.00	0.80	2.00	2.46	19.49	-0.47	34.22	6.00
124	1.24	1.08	8.23	-9.49	0.76	1.08	0.76	4.00	2.68	15.44	20.51	0.00	20.51	51.57	0.78	-0.01	5.00	0.78	2.00	2.42	20.87	-0.46	35.80	6.00
125	1.25	1.14	8.23	-9.49	0.72	1.14	0.72	4.00	2.65	15.46	20.66	0.00	20.66	54.08	0.74	-0.01	5.00	0.77	2.00	2.39	22.05	-0.46	37.17	6.00
126	1.26	1.25	8.39	-9.39	0.67	1.25	0.67	4.00	2.60	15.52	20.82	0.00	20.82	58.96	0.68	-0.01	5.00	0.75	2.00	2.34	24.22	-0.45	39.54	6.00
127	1.27	1.26	8.80	-9.49	0.70	1.26	0.70	4.00	2.60	15.58	20.97	0.00	20.97	58.99	0.71	-0.01	5.00	0.75	2.00	2.34	24.42	-0.45	39.39	6.00
128	1.28	1.21	9.74	-9.49	0.80	1.21	0.81	4.00	2.65	15.68	21.13	0.00	21.13	56.18	0.82	-0.01	5.00	0.77	2.00	2.39	23.43	-0.45	37.46	6.00
129	1.29	1.17	10.15	-9.49	0.87	1.17	0.87	4.00	2.67	15.71	21.28	0.00	21.28	53.88	0.89	-0.01	5.00	0.78	2.00	2.42	22.63	-0.45	36.25	6.00
130	1.30	1.08	10.91	-9.49	1.01	1.08	1.01	4.00	2.73	15.77	21.44	0.00	21.44	49.27	1.03	-0.01	5.00	0.81	2.00	2.48	20.85	-0.44	33.71	6.00
131	1.31	1.04	11.16	-9.49	1.07	1.04	1.08	4.00	2.76	15.78	21.60	0.00	21.60	47.06	1.10	-0.01	5.00	0.82	2.00	2.51	20.06	-0.44	32.67	6.00
132	1.32	0.96	11.54	-9.58	1.21	0.96	1.20	4.00	2.81	15.78	21.76	0.00	21.76	43.03	1.23	-0.01	4.00	0.84	2.00	2.56	18.48	-0.44	30.70	4.00
133	1.33	0.92	11.63	-9.58	1.27	0.92	1.27	4.00	2.84	15.78	21.92	0.00	21.92	40.89	1.30	-0.01	4.00	0.85	2.00	2.59	17.69	-0.44	29.79	4.00
134	1.34	0.86	11.86	-9.58	1.38	0.86	1.38	4.00	2.88	15.77	22.07	0.00	22.07	37.87	1.42	-0.01	4.00	0.87	2.00	2.64	16.50	-0.43	28.37	4.00
135	1.35	0.83	11.95	-9.58	1.43	0.83	1.44	4.00	2.91	15.77	22.23	0.00	22.23	36.24	1.48	-0.01	4.00	0.87	2.00	2.66	15.90	-0.43	27.68	4.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
136	1.36	0.81	12.08	-9.58	1.49	0.81	1.50	4.00	2.92	15.77	22.39	0.00	22.39	35.09	1.54	-0.01	4.00	0.88	2.00	2.68	15.51	-0.43	27.18	4.00
137	1.37	0.77	12.42	-9.68	1.62	0.77	1.62	3.00	2.96	15.78	22.55	0.00	22.55	33.06	1.67	-0.01	4.00	0.90	2.00	2.72	14.71	-0.43	26.15	4.00
138	1.38	0.75	12.58	-9.68	1.67	0.75	1.68	3.00	2.98	15.79	22.70	0.00	22.70	31.94	1.73	-0.01	4.00	0.90	2.00	2.74	14.32	-0.43	25.64	4.00
139	1.39	0.72	12.71	-9.68	1.76	0.72	1.77	3.00	3.00	15.79	22.86	0.00	22.86	30.40	1.83	-0.01	4.00	0.91	2.00	2.76	13.72	-0.42	24.95	4.00
140	1.40	0.72	12.77	-9.68	1.78	0.72	1.78	3.00	3.00	15.79	23.02	0.00	23.02	30.19	1.84	-0.01	4.00	0.91	2.00	2.76	13.72	-0.42	24.91	4.00
141	1.41	0.71	12.67	-9.68	1.78	0.71	1.79	3.00	3.01	15.78	23.18	0.00	23.18	29.54	1.85	-0.01	4.00	0.92	2.00	2.77	13.52	-0.42	24.75	4.00
142	1.42	0.71	12.20	-9.78	1.72	0.71	1.72	3.00	3.00	15.73	23.34	0.00	23.34	29.34	1.78	-0.01	4.00	0.91	2.00	2.76	13.51	-0.42	24.99	4.00
143	1.43	0.72	12.08	-9.78	1.69	0.72	1.68	3.00	2.99	15.73	23.49	0.00	23.49	29.56	1.74	-0.01	4.00	0.91	2.00	2.75	13.71	-0.42	25.26	4.00
144	1.44	0.73	11.86	-9.78	1.62	0.73	1.63	3.00	2.98	15.71	23.65	0.00	23.65	29.78	1.68	-0.01	4.00	0.91	2.00	2.74	13.90	-0.41	25.59	4.00
145	1.45	0.75	11.19	-9.78	1.49	0.75	1.50	3.00	2.95	15.65	23.81	0.00	23.81	30.42	1.55	-0.01	4.00	0.89	2.00	2.71	14.29	-0.41	26.38	4.00
146	1.46	0.76	11.04	-9.78	1.44	0.76	1.46	4.00	2.94	15.64	23.96	0.00	23.96	30.63	1.50	-0.01	4.00	0.89	2.00	2.70	14.49	-0.41	26.68	4.00
147	1.47	0.80	10.75	-9.78	1.35	0.80	1.35	4.00	2.91	15.63	24.12	0.00	24.12	32.08	1.39	-0.01	4.00	0.88	2.00	2.66	15.27	-0.41	27.71	4.00
148	1.48	0.81	10.63	-9.78	1.31	0.81	1.32	4.00	2.90	15.63	24.28	0.00	24.28	32.28	1.36	-0.01	4.00	0.87	2.00	2.65	15.47	-0.40	27.99	4.00
149	1.49	0.85	10.44	-9.87	1.22	0.85	1.23	4.00	2.86	15.62	24.43	0.00	24.43	33.71	1.27	-0.01	4.00	0.86	2.00	2.62	16.25	-0.40	28.98	4.00
150	1.50	0.88	10.50	-9.87	1.20	0.88	1.20	4.00	2.85	15.64	24.59	0.00	24.59	34.71	1.23	-0.01	4.00	0.85	2.00	2.60	16.84	-0.40	29.59	4.00
151	1.51	0.91	10.47	-9.87	1.15	0.91	1.15	4.00	2.83	15.65	24.74	0.00	24.74	35.69	1.19	-0.01	4.00	0.84	2.00	2.58	17.43	-0.40	30.26	4.00
152	1.52	0.93	10.40	-9.87	1.12	0.93	1.12	4.00	2.81	15.65	24.90	0.00	24.90	36.26	1.15	-0.01	4.00	0.84	2.00	2.56	17.82	-0.40	30.74	4.00
153	1.53	0.94	10.34	-9.97	1.10	0.94	1.10	4.00	2.80	15.65	25.06	0.00	25.06	36.43	1.13	-0.01	4.00	0.84	2.00	2.55	18.02	-0.40	30.99	4.00
154	1.54	0.94	10.37	-9.97	1.10	0.94	1.11	4.00	2.80	15.65	25.21	0.00	25.21	36.20	1.14	-0.01	4.00	0.84	2.00	2.56	18.02	-0.40	30.97	4.00
155	1.55	0.93	10.47	-9.87	1.12	0.93	1.13	4.00	2.81	15.66	25.37	0.00	25.37	35.57	1.16	-0.01	4.00	0.84	2.00	2.56	17.82	-0.39	30.68	4.00
156	1.56	0.92	10.78	-9.97	1.17	0.92	1.17	4.00	2.82	15.69	25.53	0.00	25.53	34.96	1.21	-0.01	4.00	0.84	2.00	2.58	17.61	-0.39	30.25	4.00
157	1.57	0.91	10.85	-9.97	1.19	0.91	1.20	4.00	2.83	15.69	25.68	0.00	25.68	34.35	1.23	-0.01	4.00	0.85	2.00	2.59	17.41	-0.39	29.99	4.00
158	1.58	0.90	10.81	-10.06	1.21	0.90	1.20	4.00	2.84	15.68	25.84	0.00	25.84	33.75	1.24	-0.01	4.00	0.85	2.00	2.59	17.21	-0.39	29.79	4.00
159	1.59	0.89	10.94	-10.06	1.23	0.89	1.23	4.00	2.85	15.69	26.00	0.00	26.00	33.15	1.27	-0.01	4.00	0.85	2.00	2.60	17.01	-0.39	29.49	4.00
160	1.60	0.89	10.97	-10.06	1.24	0.89	1.24	4.00	2.85	15.70	26.16	0.00	26.16	32.95	1.27	-0.01	4.00	0.85	2.00	2.60	17.01	-0.38	29.47	4.00
161	1.61	0.90	11.07	-10.06	1.23	0.90	1.23	4.00	2.84	15.71	26.31	0.00	26.31	33.12	1.27	-0.01	4.00	0.85	2.00	2.60	17.20	-0.38	29.62	4.00
162	1.62	0.90	11.10	-10.06	1.23	0.90	1.24	4.00	2.84	15.72	26.47	0.00	26.47	32.92	1.27	-0.01	4.00	0.85	2.00	2.60	17.20	-0.38	29.59	4.00
163	1.63	0.92	11.22	-10.06	1.22	0.92	1.22	4.00	2.83	15.74	26.63	0.00	26.63	33.47	1.26	-0.01	4.00	0.85	2.00	2.59	17.59	-0.38	29.94	4.00
164	1.64	0.96	11.41	-10.06	1.19	0.96	1.19	4.00	2.81	15.77	26.78	0.00	26.78	34.76	1.23	-0.01	4.00	0.84	2.00	2.56	18.38	-0.38	30.67	4.00
165	1.65	0.98	11.41	-10.16	1.17	0.98	1.17	4.00	2.80	15.78	26.94	0.00	26.94	35.29	1.20	-0.01	4.00	0.84	2.00	2.55	18.77	-0.38	31.10	4.00
166	1.66	1.04	11.22	-10.06	1.08	1.04	1.08	4.00	2.76	15.78	27.10	0.00	27.10	37.30	1.11	-0.01	5.00	0.82	2.00	2.51	19.95	-0.37	32.50	6.00
167	1.67	1.07	11.19	-10.06	1.04	1.07	1.05	4.00	2.74	15.79	27.26	0.00	27.26	38.18	1.08	-0.01	5.00	0.81	2.00	2.49	20.54	-0.37	33.16	6.00
168	1.68	1.16	11.13	-10.16	0.96	1.16	0.96	4.00	2.70	15.82	27.42	0.00	27.42	41.23	0.98	-0.01	5.00	0.79	2.00	2.44	22.31	-0.37	35.14	6.00
169	1.69	1.21	11.07	-10.06	0.92	1.21	0.92	4.00	2.67	15.83	27.57	0.00	27.57	42.80	0.94	-0.01	5.00	0.78	2.00	2.42	23.30	-0.36	36.25	6.00
170	1.70	1.32	11.10	-10.06	0.84	1.32	0.84	4.00	2.62	15.86	27.73	0.00	27.73	46.52	0.86	-0.01	5.00	0.76	2.00	2.37	25.47	-0.36	38.59	6.00
171	1.71	1.38	11.16	-10.06	0.81	1.38	0.81	4.00	2.59	15.89	27.89	0.00	27.89	48.40	0.83	-0.01	5.00	0.76	2.00	2.34	26.65	-0.36	39.82	6.00
172	1.72	1.51	11.26	-10.06	0.75	1.51	0.75	5.00	2.54	15.93	28.05	0.00	28.05	52.75	0.76	-0.01	5.00	0.74	2.00	2.29	29.21	-0.36	42.52	6.00
173	1.73	1.56	11.54	-10.06	0.74	1.56	0.74	5.00	2.53	15.97	28.21	0.00	28.21	54.22	0.75	-0.01	5.00	0.73	2.00	2.27	30.19	-0.36	43.32	6.00
174	1.74	1.66	12.17	-10.06	0.74	1.66	0.73	5.00	2.50	16.06	28.37	0.00	28.37	57.43	0.75	-0.01	5.00	0.72	2.00	2.25	32.16	-0.35	44.85	6.00
175	1.75	1.68	12.55	-10.16	0.75	1.68	0.75	5.00	2.50	16.10	28.53	0.00	28.53	57.80	0.76	-0.01	5.00	0.72	2.00	2.25	32.56	-0.36	44.90	6.00
176	1.76	1.70	12.83	-10.06	0.75	1.70	0.76	5.00	2.50	16.13	28.69	0.00	28.69	58.17	0.77	-0.01	5.00	0.72	2.00	2.24	32.95	-0.35	45.05	6.00
177	1.77	1.71	13.18	-10.16	0.77	1.71	0.77	5.00	2.50	16.16	28.86	0.00	28.86	58.19	0.78	-0.01	5.00	0.72	2.00	2.25	33.14	-0.35	44.93	6.00
178	1.78	1.71	13.31	-10.16	0.78	1.71	0.78	5.00	2.50	16.17	29.02	0.00	29.02	57.86	0.79	-0.01	5.00	0.72	2.00	2.25	33.14	-0.35	44.81	6.00
179	1.79	1.70	13.40	-10.16	0.79	1.70	0.79	5.00	2.51	16.18	29.18	0.00	29.18	57.19	0.80	-0.01	5.00	0.72	2.00	2.25	32.94	-0.35	44.52	6.00
180	1.80	1.68	13.87	-10.16	0.83	1.68	0.83	5.00	2.52	16.21	29.34	0.00	29.34	56.18	0.84	-0.01	5.00	0.73	2.00	2.27	32.54	-0.35	43.69	6.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
181	1.81	1.66	14.09	-10.16	0.85	1.66	0.85	5.00	2.53	16.22	29.50	0.00	29.50	55.19	0.87	-0.01	5.00	0.73	2.00	2.28	32.14	-0.34	43.08	6.00
182	1.82	1.64	14.44	-10.16	0.88	1.64	0.88	5.00	2.54	16.25	29.67	0.00	29.67	54.21	0.90	-0.01	5.00	0.74	2.00	2.29	31.74	-0.34	42.38	6.00
183	1.83	1.59	15.01	-10.25	0.94	1.59	0.95	5.00	2.57	16.28	29.83	0.00	29.83	52.23	0.96	-0.01	5.00	0.75	2.00	2.32	30.75	-0.34	40.91	6.00
184	1.84	1.57	15.29	-10.16	0.97	1.57	0.98	4.00	2.58	16.30	29.99	0.00	29.99	51.28	0.99	-0.01	5.00	0.75	2.00	2.33	30.36	-0.34	40.28	6.00
185	1.85	1.52	15.58	-10.16	1.03	1.52	1.03	4.00	2.60	16.31	30.15	0.00	30.15	49.34	1.05	-0.01	5.00	0.76	2.00	2.36	29.37	-0.34	39.07	6.00
186	1.86	1.49	15.67	-10.25	1.05	1.49	1.05	4.00	2.62	16.31	30.32	0.00	30.32	48.07	1.08	-0.01	5.00	0.77	2.00	2.37	28.77	-0.34	38.41	6.00
187	1.87	1.45	15.58	-10.25	1.08	1.45	1.08	4.00	2.63	16.29	30.48	0.00	30.48	46.50	1.10	-0.01	5.00	0.77	2.00	2.38	27.98	-0.34	37.69	6.00
188	1.88	1.43	15.48	-10.25	1.09	1.43	1.08	4.00	2.64	16.28	30.64	0.00	30.64	45.60	1.11	-0.01	5.00	0.78	2.00	2.39	27.58	-0.33	37.37	6.00
189	1.89	1.39	15.17	-10.25	1.09	1.39	1.09	4.00	2.65	16.24	30.81	0.00	30.81	44.05	1.12	-0.01	5.00	0.78	2.00	2.40	26.79	-0.33	36.81	6.00
190	1.90	1.37	15.01	-10.25	1.09	1.37	1.10	4.00	2.66	16.22	30.97	0.00	30.97	43.17	1.12	-0.01	5.00	0.78	2.00	2.41	26.39	-0.33	36.52	6.00
191	1.91	1.37	15.01	-10.25	1.09	1.37	1.10	4.00	2.66	16.22	31.13	0.00	31.13	42.94	1.12	-0.01	5.00	0.78	2.00	2.41	26.38	-0.33	36.52	6.00
192	1.92	1.37	15.01	-10.25	1.09	1.37	1.10	4.00	2.66	16.22	31.29	0.00	31.29	42.71	1.12	-0.01	5.00	0.78	2.00	2.41	26.38	-0.33	36.52	6.00
193	1.93	1.26	12.08	-8.82	0.96	1.26	0.96	4.00	2.66	15.94	31.45	0.00	31.45	39.00	0.98	-0.01	5.00	0.78	2.00	2.41	24.21	-0.28	36.46	6.00
194	1.94	1.24	11.92	-8.82	0.96	1.24	0.96	4.00	2.67	15.92	31.61	0.00	31.61	38.17	0.99	-0.01	5.00	0.79	2.00	2.42	23.82	-0.28	36.16	6.00
195	1.95	1.21	11.86	-8.82	0.98	1.21	0.98	4.00	2.68	15.91	31.77	0.00	31.77	37.03	1.01	-0.01	5.00	0.79	2.00	2.43	23.22	-0.28	35.56	6.00
196	1.96	1.16	11.63	-8.82	1.00	1.16	1.00	4.00	2.70	15.87	31.93	0.00	31.93	35.27	1.03	-0.01	5.00	0.80	2.00	2.46	22.23	-0.28	34.67	6.00
197	1.97	1.14	11.57	-8.91	1.02	1.14	1.02	4.00	2.71	15.85	32.09	0.00	32.09	34.47	1.05	-0.01	5.00	0.81	2.00	2.47	21.83	-0.28	34.29	6.00
198	1.98	1.14	11.57	-8.91	1.02	1.14	1.02	4.00	2.71	15.85	32.25	0.00	32.25	34.30	1.05	-0.01	5.00	0.81	2.00	2.47	21.83	-0.28	34.28	6.00
199	1.99	1.14	11.54	-8.82	1.01	1.14	1.01	4.00	2.71	15.85	32.40	0.00	32.40	34.12	1.04	-0.01	5.00	0.81	2.00	2.46	21.83	-0.27	34.30	6.00
200	2.00	1.15	11.57	-8.82	1.01	1.15	1.01	4.00	2.71	15.86	32.56	0.00	32.56	34.26	1.04	-0.01	5.00	0.80	2.00	2.46	22.02	-0.27	34.49	6.00
201	2.01	1.16	11.60	-8.82	1.00	1.16	1.00	4.00	2.70	15.86	32.72	0.00	32.72	34.39	1.03	-0.01	5.00	0.80	2.00	2.46	22.21	-0.27	34.68	6.00
202	2.02	1.16	11.67	-8.82	1.00	1.16	1.01	4.00	2.70	15.87	32.88	0.00	32.88	34.22	1.04	-0.01	5.00	0.80	2.00	2.46	22.21	-0.27	34.62	6.00
203	2.03	1.19	11.76	-8.82	0.99	1.19	0.99	4.00	2.69	15.89	33.04	0.00	33.04	34.96	1.02	-0.01	5.00	0.80	2.00	2.44	22.80	-0.27	35.19	6.00
204	2.04	1.21	11.89	-8.82	0.98	1.21	0.98	4.00	2.68	15.91	33.20	0.00	33.20	35.39	1.01	-0.01	5.00	0.79	2.00	2.44	23.19	-0.27	35.51	6.00
205	2.05	1.24	12.01	-8.82	0.97	1.24	0.97	4.00	2.67	15.93	33.36	0.00	33.36	36.12	1.00	-0.01	5.00	0.79	2.00	2.42	23.78	-0.26	36.05	6.00
206	2.06	1.32	12.23	-8.82	0.92	1.32	0.93	4.00	2.64	15.97	33.52	0.00	33.52	38.33	0.95	-0.01	5.00	0.78	2.00	2.39	25.36	-0.26	37.56	6.00
207	2.07	1.38	12.30	-8.82	0.89	1.38	0.89	4.00	2.61	16.00	33.68	0.00	33.68	39.92	0.91	-0.01	5.00	0.77	2.00	2.36	26.54	-0.26	38.76	6.00
208	2.08	1.52	12.55	-8.72	0.83	1.52	0.83	5.00	2.56	16.06	33.84	0.00	33.84	43.87	0.85	-0.01	5.00	0.75	2.00	2.31	29.30	-0.26	41.47	6.00
209	2.09	1.61	12.77	-8.82	0.79	1.61	0.79	5.00	2.53	16.10	34.00	0.00	34.00	46.30	0.81	-0.01	5.00	0.73	2.00	2.28	31.07	-0.26	43.14	6.00
210	2.10	1.86	12.80	-8.63	0.69	1.86	0.69	5.00	2.45	16.16	34.16	0.00	34.16	53.40	0.70	0.00	5.00	0.70	2.00	2.19	36.00	-0.25	48.29	6.00
211	2.11	2.01	12.71	-8.53	0.63	2.01	0.63	5.00	2.40	16.18	34.32	0.00	34.32	57.51	0.64	0.00	5.00	0.68	2.00	2.14	38.96	-0.25	51.49	6.00
212	2.12	2.28	12.67	-8.43	0.56	2.28	0.56	5.00	2.33	16.22	34.48	0.00	34.48	65.06	0.56	0.00	6.00	0.65	2.00	2.07	44.29	-0.24	57.14	6.00
213	2.13	2.32	13.08	-8.43	0.56	2.32	0.56	5.00	2.32	16.27	34.65	0.00	34.65	65.91	0.57	0.00	6.00	0.65	2.00	2.06	45.07	-0.24	57.48	6.00
214	2.14	2.30	13.72	-8.43	0.60	2.30	0.60	5.00	2.34	16.32	34.81	0.00	34.81	65.02	0.61	0.00	5.00	0.66	2.00	2.08	44.68	-0.24	56.32	6.00
215	2.15	2.15	14.79	-8.43	0.69	2.15	0.69	5.00	2.39	16.38	34.97	0.00	34.97	60.42	0.70	0.00	5.00	0.68	2.00	2.13	41.71	-0.24	52.13	6.00
216	2.16	2.07	15.39	-8.53	0.74	2.07	0.74	5.00	2.42	16.41	35.14	0.00	35.14	57.86	0.76	0.00	5.00	0.69	2.00	2.17	40.13	-0.24	49.94	6.00
217	2.17	1.99	15.80	-8.53	0.80	1.99	0.79	5.00	2.45	16.43	35.30	0.00	35.30	55.32	0.81	0.00	5.00	0.70	2.00	2.20	38.55	-0.24	47.98	6.00
218	2.18	1.84	16.62	-8.63	0.90	1.84	0.90	5.00	2.50	16.45	35.47	0.00	35.47	50.83	0.92	0.00	5.00	0.73	2.00	2.26	35.58	-0.24	44.34	6.00
219	2.19	1.77	17.15	-8.53	0.97	1.77	0.97	5.00	2.53	16.48	35.63	0.00	35.63	48.62	0.99	0.00	5.00	0.74	2.00	2.29	34.20	-0.24	42.56	6.00
220	2.20	1.72	17.69	-8.63	1.03	1.72	1.03	5.00	2.56	16.50	35.80	0.00	35.80	47.00	1.05	-0.01	5.00	0.75	2.00	2.31	33.21	-0.24	41.18	6.00
221	2.21	1.56	19.52	-8.63	1.25	1.56	1.25	4.00	2.64	16.58	35.96	0.00	35.96	42.33	1.28	-0.01	5.00	0.78	2.00	2.39	30.05	-0.24	36.90	6.00
222	2.22	1.52	19.93	-8.63	1.31	1.52	1.31	4.00	2.66	16.59	36.13	0.00	36.13	41.02	1.34	-0.01	5.00	0.79	2.00	2.42	29.25	-0.24	35.90	6.00
223	2.23	1.48	20.34	-8.63	1.37	1.48	1.38	4.00	2.68	16.60	36.29	0.00	36.29	39.73	1.41	-0.01	5.00	0.80	2.00	2.44	28.46	-0.24	34.92	7.00
224	2.24	1.41	20.84	-8.72	1.48	1.41	1.48	4.00	2.71	16.61	36.46	0.00	36.46	37.62	1.52	-0.01	5.00	0.81	2.00	2.47	27.08	-0.24	33.36	7.00
225	2.25	1.39	21.00	-8.72	1.51	1.39	1.51	4.00	2.72	16.62	36.63	0.00	36.63	36.90	1.55	-0.01	5.00	0.81	2.00	2.48	26.68	-0.24	32.91	7.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
226	2.26	1.37	21.03	-8.72	1.54	1.37	1.54	4.00	2.73	16.61	36.79	0.00	36.79	36.19	1.58	-0.01	5.00	0.82	2.00	2.49	26.28	-0.24	32.53	7.00
227	2.27	1.33	20.87	-8.72	1.57	1.33	1.57	4.00	2.75	16.59	36.96	0.00	36.96	34.94	1.62	-0.01	5.00	0.82	2.00	2.51	25.49	-0.24	31.91	5.00
228	2.28	1.31	20.62	-8.72	1.58	1.31	1.58	4.00	2.75	16.57	37.12	0.00	37.12	34.24	1.62	-0.01	5.00	0.83	2.00	2.52	25.09	-0.23	31.70	4.00
229	2.29	1.27	19.74	-8.72	1.56	1.27	1.56	4.00	2.76	16.51	37.29	0.00	37.29	33.01	1.60	-0.01	4.00	0.83	2.00	2.53	24.30	-0.23	31.47	4.00
230	2.30	1.25	19.17	-8.82	1.53	1.25	1.54	4.00	2.76	16.47	37.45	0.00	37.45	32.32	1.58	-0.01	4.00	0.83	2.00	2.53	23.90	-0.24	31.43	4.00
231	2.31	1.24	18.54	-8.82	1.50	1.24	1.50	4.00	2.76	16.43	37.62	0.00	37.62	31.91	1.54	-0.01	5.00	0.83	2.00	2.52	23.70	-0.23	31.61	4.00
232	2.32	1.21	17.37	-8.82	1.44	1.21	1.44	4.00	2.76	16.34	37.78	0.00	37.78	30.98	1.48	-0.01	5.00	0.83	2.00	2.52	23.10	-0.23	31.74	4.00
233	2.33	1.19	17.15	-8.72	1.44	1.19	1.44	4.00	2.77	16.32	37.95	0.00	37.95	30.31	1.49	-0.01	4.00	0.83	2.00	2.53	22.70	-0.23	31.49	4.00
234	2.34	1.16	16.77	-8.82	1.44	1.16	1.45	4.00	2.78	16.29	38.11	0.00	38.11	29.39	1.50	-0.01	4.00	0.84	2.00	2.54	22.11	-0.23	31.14	4.00
235	2.35	1.15	16.62	-8.82	1.44	1.15	1.45	4.00	2.78	16.27	38.27	0.00	38.27	29.00	1.50	-0.01	4.00	0.84	2.00	2.55	21.91	-0.23	31.04	4.00
236	2.36	1.15	17.09	-8.82	1.49	1.15	1.49	4.00	2.79	16.31	38.43	0.00	38.43	28.87	1.54	-0.01	4.00	0.84	2.00	2.55	21.90	-0.23	30.76	4.00
237	2.37	1.15	17.59	-8.82	1.53	1.15	1.53	4.00	2.79	16.34	38.60	0.00	38.60	28.75	1.59	-0.01	4.00	0.84	2.00	2.56	21.90	-0.23	30.46	4.00
238	2.38	1.16	17.85	-8.82	1.53	1.16	1.54	4.00	2.79	16.36	38.76	0.00	38.76	28.88	1.59	-0.01	4.00	0.84	2.00	2.56	22.09	-0.23	30.50	4.00
239	2.39	1.18	17.97	-8.91	1.52	1.18	1.53	4.00	2.78	16.37	38.92	0.00	38.92	29.27	1.58	-0.01	4.00	0.84	2.00	2.55	22.49	-0.23	30.80	4.00
240	2.40	1.20	17.94	-8.82	1.50	1.20	1.50	4.00	2.77	16.38	39.09	0.00	39.09	29.65	1.55	-0.01	4.00	0.84	2.00	2.54	22.88	-0.23	31.19	4.00
241	2.41	1.21	18.35	-8.82	1.51	1.21	1.52	4.00	2.77	16.41	39.25	0.00	39.25	29.78	1.57	-0.01	4.00	0.84	2.00	2.54	23.07	-0.22	31.14	4.00
242	2.42	1.26	18.85	-8.82	1.50	1.26	1.50	4.00	2.76	16.45	39.42	0.00	39.42	30.92	1.55	-0.01	5.00	0.83	2.00	2.52	24.06	-0.22	31.77	4.00
243	2.43	1.27	19.67	-8.82	1.55	1.27	1.55	4.00	2.76	16.51	39.58	0.00	39.58	31.04	1.60	-0.01	4.00	0.83	2.00	2.53	24.25	-0.22	31.47	4.00
244	2.44	1.28	20.12	-8.82	1.58	1.28	1.57	4.00	2.76	16.53	39.75	0.00	39.75	31.16	1.62	-0.01	4.00	0.83	2.00	2.53	24.44	-0.22	31.39	4.00
245	2.45	1.32	21.00	-8.82	1.59	1.32	1.59	4.00	2.75	16.60	39.91	0.00	39.91	32.02	1.64	-0.01	5.00	0.83	2.00	2.52	25.23	-0.22	31.61	5.00
246	2.46	1.36	20.94	-8.82	1.54	1.36	1.54	4.00	2.73	16.60	40.08	0.00	40.08	32.89	1.59	-0.01	5.00	0.82	2.00	2.50	26.02	-0.22	32.35	7.00
247	2.47	1.38	20.94	-8.82	1.52	1.38	1.52	4.00	2.72	16.61	40.25	0.00	40.25	33.24	1.57	-0.01	5.00	0.82	2.00	2.49	26.41	-0.22	32.70	7.00
248	2.48	1.43	20.40	-8.82	1.43	1.43	1.43	4.00	2.70	16.59	40.41	0.00	40.41	34.34	1.47	-0.01	5.00	0.81	2.00	2.46	27.39	-0.22	33.91	0.00
249	2.49	1.45	20.31	-8.82	1.40	1.45	1.40	4.00	2.69	16.59	40.58	0.00	40.58	34.69	1.44	-0.01	5.00	0.80	2.00	2.45	27.78	-0.22	34.32	0.00
250	2.50	1.46	20.18	-8.82	1.38	1.46	1.38	4.00	2.68	16.59	40.74	0.00	40.74	34.79	1.42	-0.01	5.00	0.80	2.00	2.45	27.98	-0.22	34.58	6.00
251	2.51	1.50	19.23	-8.82	1.28	1.50	1.28	4.00	2.66	16.54	40.91	0.00	40.91	35.62	1.32	-0.01	5.00	0.79	2.00	2.42	28.76	-0.22	35.91	6.00
252	2.52	1.51	18.60	-8.82	1.23	1.51	1.23	4.00	2.65	16.51	41.07	0.00	41.07	35.72	1.27	-0.01	5.00	0.79	2.00	2.40	28.96	-0.21	36.51	6.00
253	2.53	1.52	18.26	-8.82	1.20	1.52	1.20	4.00	2.64	16.49	41.24	0.00	41.24	35.81	1.24	-0.01	5.00	0.78	2.00	2.40	29.15	-0.21	36.92	6.00
254	2.54	1.50	17.50	-8.82	1.17	1.50	1.17	4.00	2.64	16.44	41.40	0.00	41.40	35.18	1.20	-0.01	5.00	0.78	2.00	2.39	28.75	-0.21	37.07	6.00
255	2.55	1.48	17.22	-8.91	1.16	1.48	1.16	4.00	2.64	16.41	41.57	0.00	41.57	34.56	1.20	-0.01	5.00	0.78	2.00	2.40	28.36	-0.21	36.88	6.00
256	2.56	1.48	17.03	-8.91	1.15	1.48	1.15	4.00	2.64	16.40	41.73	0.00	41.73	34.42	1.19	-0.01	5.00	0.78	2.00	2.40	28.35	-0.21	37.01	6.00
257	2.57	1.46	16.14	-8.91	1.11	1.46	1.11	4.00	2.63	16.33	41.89	0.00	41.89	33.80	1.14	-0.01	5.00	0.78	2.00	2.39	27.90	-0.21	37.23	6.00
258	2.58	1.44	15.29	-8.91	1.06	1.44	1.06	4.00	2.63	16.26	42.06	0.00	42.06	33.19	1.10	-0.01	5.00	0.78	1.99	2.39	27.40	-0.21	37.40	6.00
259	2.59	1.42	14.66	-8.91	1.04	1.42	1.03	4.00	2.63	16.21	42.22	0.00	42.22	32.59	1.07	-0.01	5.00	0.78	1.98	2.39	26.93	-0.21	37.42	6.00
260	2.60	1.40	14.63	-8.91	1.04	1.40	1.05	4.00	2.64	16.20	42.38	0.00	42.38	31.99	1.08	-0.01	5.00	0.79	1.98	2.40	26.53	-0.21	37.04	6.00
261	2.61	1.40	14.60	-8.91	1.04	1.40	1.04	4.00	2.64	16.20	42.54	0.00	42.54	31.86	1.08	-0.01	5.00	0.79	1.98	2.40	26.45	-0.21	37.01	6.00
262	2.62	1.40	15.01	-9.01	1.07	1.40	1.07	4.00	2.64	16.23	42.71	0.00	42.71	31.74	1.11	-0.01	5.00	0.79	1.98	2.41	26.43	-0.21	36.70	6.00
263	2.63	1.40	14.91	-8.91	1.06	1.40	1.07	4.00	2.64	16.22	42.87	0.00	42.87	31.61	1.10	-0.01	5.00	0.79	1.97	2.41	26.35	-0.21	36.72	6.00
264	2.64	1.44	15.01	-9.01	1.04	1.44	1.04	4.00	2.63	16.24	43.03	0.00	43.03	32.42	1.08	-0.01	5.00	0.78	1.96	2.39	26.93	-0.21	37.31	6.00
265	2.65	1.46	15.07	-8.91	1.03	1.46	1.03	4.00	2.62	16.25	43.19	0.00	43.19	32.76	1.07	-0.01	5.00	0.78	1.95	2.39	27.19	-0.21	37.58	6.00
266	2.66	1.53	15.23	-8.91	0.99	1.53	1.00	4.00	2.60	16.28	43.36	0.00	43.36	34.25	1.03	-0.01	5.00	0.77	1.93	2.36	28.25	-0.21	38.64	6.00
267	2.67	1.59	15.32	-8.91	0.96	1.59	0.96	4.00	2.57	16.30	43.52	0.00	43.52	35.49	0.99	-0.01	5.00	0.77	1.91	2.35	29.13	-0.20	39.57	6.00
268	2.68	1.76	15.20	-8.91	0.86	1.76	0.86	5.00	2.51	16.33	43.68	0.00	43.68	39.25	0.89	-0.01	5.00	0.74	1.87	2.29	31.64	-0.20	42.47	6.00
269	2.69	1.84	15.20	-8.91	0.82	1.84	0.83	5.00	2.49	16.35	43.85	0.00	43.85	40.92	0.85	0.00	5.00	0.74	1.85	2.27	32.78	-0.20	43.75	6.00
270	2.70	1.91	15.20	-8.82	0.79	1.91	0.80	5.00	2.46	16.37	44.01	0.00	44.01	42.36	0.82	0.00	5.00	0.73	1.83	2.25	33.75	-0.20	44.87	6.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
271	2.71	1.97	15.76	-8.82	0.80	1.97	0.80	5.00	2.45	16.42	44.17	0.00	44.17	43.55	0.82	0.00	5.00	0.72	1.82	2.24	34.65	-0.20	45.38	6.00
272	2.72	1.98	15.95	-8.82	0.81	1.98	0.81	5.00	2.45	16.44	44.34	0.00	44.34	43.62	0.82	0.00	5.00	0.72	1.82	2.24	34.74	-0.20	45.35	6.00
273	2.73	1.97	16.43	-8.82	0.84	1.97	0.83	5.00	2.46	16.47	44.50	0.00	44.50	43.23	0.85	0.00	5.00	0.73	1.82	2.25	34.57	-0.20	44.78	6.00
274	2.74	1.97	16.74	-8.82	0.85	1.97	0.85	5.00	2.47	16.49	44.67	0.00	44.67	43.06	0.87	0.00	5.00	0.73	1.82	2.25	34.53	-0.20	44.51	6.00
275	2.75	1.95	17.09	-8.82	0.87	1.95	0.88	5.00	2.48	16.51	44.83	0.00	44.83	42.45	0.90	0.00	5.00	0.73	1.82	2.26	34.19	-0.20	43.88	6.00
276	2.76	1.93	17.81	-8.82	0.92	1.93	0.92	5.00	2.49	16.55	45.00	0.00	45.00	41.85	0.95	0.00	5.00	0.74	1.82	2.28	33.89	-0.20	43.01	6.00
277	2.77	1.85	18.70	-8.91	1.01	1.85	1.01	5.00	2.53	16.59	45.16	0.00	45.16	39.92	1.04	0.00	5.00	0.75	1.84	2.31	32.71	-0.20	41.10	6.00
278	2.78	1.84	19.45	-8.91	1.06	1.84	1.06	5.00	2.54	16.64	45.33	0.00	45.33	39.55	1.08	0.00	5.00	0.76	1.84	2.33	32.56	-0.20	40.41	6.00
279	2.79	1.76	20.56	-8.91	1.17	1.76	1.17	4.00	2.58	16.68	45.50	0.00	45.50	37.64	1.20	-0.01	5.00	0.77	1.86	2.36	31.37	-0.20	38.43	6.00
280	2.80	1.74	20.97	-8.91	1.21	1.74	1.21	4.00	2.59	16.70	45.66	0.00	45.66	37.06	1.24	-0.01	5.00	0.78	1.86	2.37	31.03	-0.20	37.83	6.00
281	2.81	1.72	21.28	-8.91	1.24	1.72	1.24	4.00	2.60	16.71	45.83	0.00	45.83	36.49	1.27	-0.01	5.00	0.78	1.86	2.38	30.67	-0.19	37.30	6.00
282	2.82	1.70	21.50	-8.91	1.27	1.70	1.27	4.00	2.61	16.72	46.00	0.00	46.00	35.92	1.30	-0.01	5.00	0.78	1.86	2.39	30.31	-0.19	36.83	6.00
283	2.83	1.68	21.69	-8.91	1.29	1.68	1.29	4.00	2.62	16.73	46.17	0.00	46.17	35.35	1.33	-0.01	5.00	0.79	1.86	2.40	29.94	-0.19	36.38	7.00
284	2.84	1.68	21.53	-8.91	1.28	1.68	1.28	4.00	2.61	16.72	46.33	0.00	46.33	35.22	1.32	-0.01	5.00	0.79	1.85	2.40	29.85	-0.19	36.43	6.00
285	2.85	1.67	21.16	-9.01	1.27	1.67	1.27	4.00	2.61	16.69	46.50	0.00	46.50	34.87	1.30	-0.01	5.00	0.79	1.85	2.40	29.58	-0.19	36.45	6.00
286	2.86	1.65	20.40	-9.01	1.24	1.65	1.24	4.00	2.61	16.65	46.67	0.00	46.67	34.32	1.27	-0.01	5.00	0.79	1.84	2.40	29.13	-0.19	36.53	6.00
287	2.87	1.64	19.90	-8.91	1.21	1.64	1.21	4.00	2.61	16.62	46.83	0.00	46.83	33.98	1.25	-0.01	5.00	0.79	1.84	2.40	28.86	-0.19	36.63	6.00
288	2.88	1.64	19.67	-8.91	1.20	1.64	1.20	4.00	2.61	16.60	47.00	0.00	47.00	33.85	1.24	-0.01	5.00	0.79	1.83	2.40	28.77	-0.19	36.72	6.00
289	2.89	1.62	19.17	-9.01	1.18	1.62	1.18	4.00	2.61	16.57	47.16	0.00	47.16	33.31	1.22	-0.01	5.00	0.79	1.83	2.40	28.34	-0.19	36.66	6.00
290	2.90	1.62	18.89	-9.01	1.17	1.62	1.17	4.00	2.61	16.55	47.33	0.00	47.33	33.19	1.20	-0.01	5.00	0.79	1.82	2.40	28.25	-0.19	36.79	6.00
291	2.91	1.61	18.48	-9.01	1.15	1.61	1.15	4.00	2.61	16.53	47.50	0.00	47.50	32.86	1.18	-0.01	5.00	0.79	1.82	2.40	27.98	-0.19	36.83	6.00
292	2.92	1.61	18.48	-9.01	1.15	1.61	1.15	4.00	2.61	16.53	47.66	0.00	47.66	32.74	1.18	-0.01	5.00	0.79	1.81	2.40	27.91	-0.19	36.79	6.00
293	2.93	1.61	18.48	-9.01	1.15	1.61	1.15	4.00	2.61	16.53	47.83	0.00	47.83	32.62	1.18	-0.01	5.00	0.79	1.81	2.40	27.84	-0.19	36.75	6.00
294	2.94	1.62	14.31	-9.87	0.88	1.62	0.88	5.00	2.55	16.23	47.99	0.00	47.99	32.72	0.91	-0.01	5.00	0.77	1.78	2.35	27.51	-0.21	39.45	6.00
295	2.95	1.63	14.19	-9.87	0.87	1.63	0.87	5.00	2.54	16.23	48.15	0.00	48.15	32.81	0.90	-0.01	5.00	0.77	1.77	2.34	27.58	-0.20	39.65	6.00
296	2.96	1.65	14.28	-9.87	0.87	1.65	0.87	5.00	2.54	16.24	48.31	0.00	48.31	33.11	0.89	-0.01	5.00	0.77	1.76	2.34	27.82	-0.20	39.88	6.00
297	2.97	1.68	14.47	-9.87	0.86	1.68	0.86	5.00	2.53	16.26	48.48	0.00	48.48	33.61	0.89	-0.01	5.00	0.76	1.75	2.33	28.22	-0.20	40.20	6.00
298	2.98	1.71	14.50	-9.87	0.85	1.71	0.85	5.00	2.52	16.27	48.64	0.00	48.64	34.12	0.87	-0.01	5.00	0.76	1.75	2.32	28.59	-0.20	40.63	6.00
299	2.99	1.73	14.63	-9.87	0.85	1.73	0.85	5.00	2.52	16.28	48.80	0.00	48.80	34.41	0.87	-0.01	5.00	0.76	1.74	2.32	28.83	-0.20	40.83	6.00
300	3.00	1.81	15.07	-9.78	0.83	1.81	0.83	5.00	2.49	16.34	48.96	0.00	48.96	35.92	0.86	-0.01	5.00	0.75	1.73	2.30	29.98	-0.20	41.78	6.00
301	3.01	1.85	15.10	-9.78	0.82	1.85	0.82	5.00	2.48	16.35	49.13	0.00	49.13	36.62	0.84	-0.01	5.00	0.75	1.72	2.29	30.49	-0.20	42.36	6.00
302	3.02	1.97	15.32	-9.78	0.78	1.97	0.78	5.00	2.45	16.39	49.29	0.00	49.29	38.92	0.80	-0.01	5.00	0.74	1.70	2.26	32.17	-0.20	44.07	6.00
303	3.03	2.03	15.58	-9.68	0.77	2.03	0.77	5.00	2.43	16.42	49.46	0.00	49.46	40.01	0.79	0.00	5.00	0.73	1.69	2.25	32.98	-0.20	44.78	6.00
304	3.04	2.10	15.80	-9.68	0.75	2.10	0.75	5.00	2.42	16.45	49.62	0.00	49.62	41.28	0.77	0.00	5.00	0.73	1.68	2.23	33.92	-0.20	45.67	6.00
305	3.05	2.17	15.92	-9.68	0.73	2.17	0.73	5.00	2.40	16.47	49.78	0.00	49.78	42.55	0.75	0.00	5.00	0.72	1.67	2.22	34.85	-0.19	46.62	6.00
306	3.06	2.30	16.74	-9.49	0.73	2.30	0.73	5.00	2.38	16.55	49.95	0.00	49.95	45.01	0.74	0.00	5.00	0.71	1.65	2.20	36.69	-0.19	47.97	6.00
307	3.07	2.37	17.63	-9.49	0.74	2.37	0.74	5.00	2.37	16.62	50.12	0.00	50.12	46.25	0.76	0.00	5.00	0.71	1.65	2.19	37.68	-0.19	48.33	6.00
308	3.08	2.53	19.08	-9.49	0.75	2.53	0.75	5.00	2.35	16.74	50.28	0.00	50.28	49.27	0.77	0.00	5.00	0.70	1.64	2.17	39.98	-0.19	49.59	6.00
309	3.09	2.64	19.55	-9.39	0.74	2.64	0.74	5.00	2.33	16.78	50.45	0.00	50.45	51.29	0.76	0.00	5.00	0.70	1.62	2.15	41.46	-0.19	50.79	6.00
310	3.10	2.88	20.75	-9.30	0.72	2.88	0.72	5.00	2.29	16.88	50.62	0.00	50.62	55.86	0.73	0.00	5.00	0.68	1.60	2.12	44.78	-0.18	53.26	6.00
311	3.11	2.99	21.63	-9.20	0.72	2.99	0.72	5.00	2.27	16.94	50.79	0.00	50.79	57.83	0.74	0.00	5.00	0.68	1.60	2.11	46.28	-0.18	54.07	7.00
312	3.12	3.10	23.58	-9.20	0.76	3.10	0.76	5.00	2.27	17.06	50.96	0.00	50.96	59.79	0.77	0.00	5.00	0.68	1.59	2.11	47.89	-0.18	54.07	7.00
313	3.13	3.08	24.62	-9.20	0.80	3.08	0.80	5.00	2.28	17.10	51.13	0.00	51.13	59.20	0.81	0.00	5.00	0.68	1.59	2.12	47.63	-0.18	53.00	7.00
314	3.14	3.04	25.41	-9.20	0.84	3.04	0.84	5.00	2.30	17.14	51.30	0.00	51.30	58.22	0.85	0.00	5.00	0.69	1.60	2.13	47.08	-0.18	51.86	7.00
315	3.15	2.91	27.46	-9.20	0.95	2.91	0.94	5.00	2.34	17.21	51.47	0.00	51.47	55.49	0.96	0.00	5.00	0.70	1.61	2.18	45.42	-0.18	48.76	7.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
316	3.16	2.84	28.35	-9.20	1.00	2.84	1.00	5.00	2.36	17.24	51.65	0.00	51.65	53.95	1.02	0.00	5.00	0.71	1.62	2.20	44.44	-0.18	47.25	7.00
317	3.17	2.76	29.54	-9.30	1.07	2.76	1.07	5.00	2.39	17.27	51.82	0.00	51.82	52.22	1.09	0.00	5.00	0.72	1.62	2.22	43.35	-0.18	45.48	7.00
318	3.18	2.62	31.25	-9.30	1.19	2.62	1.19	5.00	2.43	17.32	51.99	0.00	51.99	49.35	1.22	0.00	5.00	0.74	1.64	2.27	41.46	-0.18	42.71	7.00
319	3.19	2.55	31.85	-9.30	1.25	2.55	1.25	5.00	2.45	17.33	52.17	0.00	52.17	47.84	1.28	0.00	5.00	0.75	1.64	2.29	40.44	-0.18	41.48	7.00
320	3.20	2.49	32.26	-9.30	1.29	2.49	1.30	5.00	2.47	17.33	52.34	0.00	52.34	46.54	1.32	0.00	5.00	0.75	1.65	2.30	39.54	-0.18	40.49	7.00
321	3.21	2.38	32.95	-9.30	1.39	2.38	1.39	5.00	2.50	17.34	52.51	0.00	52.51	44.28	1.42	0.00	5.00	0.77	1.65	2.34	37.96	-0.18	38.75	7.00
322	3.22	2.33	33.61	-9.39	1.44	2.33	1.44	5.00	2.52	17.36	52.69	0.00	52.69	43.19	1.48	0.00	5.00	0.77	1.66	2.35	37.21	-0.18	37.78	7.00
323	3.23	2.27	34.02	-9.30	1.50	2.27	1.50	4.00	2.54	17.36	52.86	0.00	52.86	41.91	1.54	0.00	5.00	0.78	1.66	2.37	36.31	-0.18	36.82	7.00
324	3.24	2.25	34.43	-9.39	1.53	2.25	1.53	4.00	2.55	17.37	53.03	0.00	53.03	41.39	1.57	0.00	5.00	0.78	1.66	2.38	35.97	-0.18	36.36	7.00
325	3.25	2.24	34.43	-9.30	1.53	2.24	1.54	4.00	2.55	17.37	53.21	0.00	53.21	41.06	1.58	0.00	5.00	0.78	1.66	2.38	35.74	-0.17	36.21	7.00
326	3.26	2.25	35.38	-9.30	1.57	2.25	1.57	4.00	2.55	17.40	53.38	0.00	53.38	41.11	1.61	0.00	5.00	0.79	1.66	2.39	35.85	-0.17	35.88	7.00
327	3.27	2.26	35.25	-9.30	1.56	2.26	1.56	4.00	2.55	17.40	53.56	0.00	53.56	41.16	1.60	0.00	5.00	0.79	1.65	2.39	35.90	-0.17	36.03	7.00
328	3.28	2.29	34.30	-9.30	1.50	2.29	1.50	4.00	2.54	17.37	53.73	0.00	53.73	41.58	1.54	0.00	5.00	0.78	1.64	2.37	36.18	-0.17	36.78	7.00
329	3.29	2.30	34.02	-9.30	1.48	2.30	1.48	5.00	2.53	17.36	53.90	0.00	53.90	41.63	1.52	0.00	5.00	0.78	1.64	2.37	36.22	-0.17	37.00	7.00
330	3.30	2.31	33.36	-9.30	1.44	2.31	1.45	5.00	2.52	17.34	54.08	0.00	54.08	41.68	1.48	0.00	5.00	0.78	1.63	2.36	36.23	-0.17	37.40	7.00
331	3.31	2.30	32.92	-9.30	1.43	2.30	1.43	5.00	2.52	17.33	54.25	0.00	54.25	41.36	1.47	0.00	5.00	0.78	1.62	2.36	35.98	-0.17	37.45	7.00
332	3.32	2.26	32.89	-9.20	1.45	2.26	1.46	5.00	2.53	17.32	54.42	0.00	54.42	40.49	1.49	0.00	5.00	0.78	1.63	2.37	35.34	-0.17	36.94	7.00
333	3.33	2.23	32.98	-9.30	1.48	2.23	1.48	4.00	2.54	17.32	54.60	0.00	54.60	39.81	1.52	0.00	5.00	0.78	1.62	2.38	34.85	-0.17	36.50	7.00
334	3.34	2.20	32.92	-9.30	1.50	2.20	1.50	4.00	2.55	17.31	54.77	0.00	54.77	39.13	1.54	0.00	5.00	0.79	1.62	2.39	34.35	-0.17	36.13	7.00
335	3.35	2.12	32.66	-9.30	1.54	2.12	1.54	4.00	2.57	17.29	54.94	0.00	54.94	37.55	1.58	0.00	5.00	0.80	1.63	2.41	33.14	-0.17	35.23	7.00
336	3.36	2.08	32.82	-9.30	1.58	2.08	1.58	4.00	2.58	17.28	55.11	0.00	55.11	36.70	1.62	0.00	5.00	0.80	1.63	2.42	32.51	-0.17	34.63	7.00
337	3.37	2.05	33.17	-9.30	1.62	2.05	1.62	4.00	2.59	17.29	55.29	0.00	55.29	36.04	1.66	0.00	5.00	0.81	1.63	2.44	32.04	-0.17	34.09	7.00
338	3.38	1.99	34.21	-9.30	1.72	1.99	1.72	4.00	2.62	17.31	55.46	0.00	55.46	34.85	1.77	0.00	5.00	0.82	1.63	2.46	31.17	-0.17	32.89	7.00
339	3.39	1.94	34.71	-9.30	1.79	1.94	1.79	4.00	2.64	17.32	55.63	0.00	55.63	33.84	1.84	0.00	5.00	0.82	1.64	2.48	30.42	-0.17	32.06	7.00
340	3.40	1.91	35.41	-9.39	1.85	1.91	1.86	4.00	2.65	17.34	55.81	0.00	55.81	33.19	1.91	-0.01	5.00	0.83	1.64	2.50	29.96	-0.17	31.40	5.00
341	3.41	1.86	37.17	-9.30	2.00	1.86	2.00	4.00	2.68	17.38	55.98	0.00	55.98	32.19	2.06	-0.01	4.00	0.84	1.65	2.52	29.26	-0.17	30.12	5.00
342	3.42	1.83	38.69	-9.30	2.12	1.83	2.12	4.00	2.70	17.42	56.16	0.00	56.16	31.55	2.18	-0.01	4.00	0.85	1.65	2.54	28.83	-0.17	29.21	5.00
343	3.43	1.77	40.83	-9.39	2.30	1.77	2.31	4.00	2.73	17.47	56.33	0.00	56.33	30.39	2.39	-0.01	4.00	0.86	1.66	2.58	27.99	-0.17	27.78	5.00
344	3.44	1.73	41.02	-9.30	2.37	1.73	2.37	4.00	2.75	17.47	56.51	0.00	56.51	29.58	2.45	-0.01	4.00	0.87	1.66	2.59	27.35	-0.16	27.24	5.00
345	3.45	1.71	41.18	-9.30	2.40	1.71	2.41	4.00	2.76	17.47	56.68	0.00	56.68	29.14	2.49	-0.01	4.00	0.87	1.66	2.60	27.00	-0.16	26.94	5.00
346	3.46	1.71	40.93	-9.39	2.39	1.71	2.40	4.00	2.76	17.46	56.85	0.00	56.85	29.04	2.48	-0.01	4.00	0.87	1.65	2.60	26.93	-0.17	27.00	5.00
347	3.47	1.72	40.61	-9.30	2.36	1.72	2.36	4.00	2.75	17.46	57.03	0.00	57.03	29.13	2.44	-0.01	4.00	0.87	1.65	2.60	26.99	-0.16	27.20	5.00
348	3.48	1.76	39.89	-9.30	2.27	1.76	2.27	4.00	2.73	17.44	57.20	0.00	57.20	29.73	2.35	-0.01	4.00	0.86	1.64	2.58	27.46	-0.16	27.87	5.00
349	3.49	1.77	38.97	-9.30	2.20	1.77	2.20	4.00	2.72	17.42	57.38	0.00	57.38	29.81	2.28	-0.01	4.00	0.86	1.63	2.57	27.50	-0.16	28.27	5.00
350	3.50	1.79	37.33	-9.30	2.09	1.79	2.09	4.00	2.70	17.37	57.55	0.00	57.55	30.07	2.16	-0.01	4.00	0.85	1.62	2.56	27.65	-0.16	29.04	5.00
351	3.51	1.81	36.04	-9.30	2.00	1.81	1.99	4.00	2.69	17.34	57.72	0.00	57.72	30.32	2.06	-0.01	4.00	0.85	1.61	2.54	27.81	-0.16	29.71	5.00
352	3.52	1.82	35.50	-9.30	1.95	1.82	1.95	4.00	2.68	17.32	57.90	0.00	57.90	30.40	2.02	-0.01	4.00	0.84	1.60	2.53	27.86	-0.16	30.00	5.00
353	3.53	1.85	33.33	-9.20	1.80	1.85	1.80	4.00	2.66	17.26	58.07	0.00	58.07	30.82	1.86	-0.01	4.00	0.84	1.59	2.51	28.12	-0.16	31.15	5.00
354	3.54	1.86	32.29	-9.20	1.73	1.86	1.74	4.00	2.65	17.22	58.24	0.00	58.24	30.90	1.79	-0.01	5.00	0.83	1.58	2.50	28.15	-0.16	31.66	5.00
355	3.55	1.88	31.15	-9.30	1.66	1.88	1.66	4.00	2.63	17.19	58.41	0.00	58.41	31.15	1.71	-0.01	5.00	0.83	1.58	2.49	28.31	-0.16	32.34	7.00
356	3.56	1.93	28.66	-9.20	1.49	1.93	1.49	4.00	2.60	17.10	58.59	0.00	58.59	31.91	1.53	0.00	5.00	0.81	1.56	2.45	28.81	-0.16	33.99	7.00
357	3.57	1.97	27.02	-9.20	1.37	1.97	1.37	4.00	2.57	17.04	58.76	0.00	58.76	32.50	1.42	0.00	5.00	0.80	1.55	2.43	29.21	-0.16	35.22	7.00
358	3.58	2.07	24.91	-9.20	1.21	2.07	1.20	5.00	2.52	16.97	58.93	0.00	58.93	34.10	1.24	0.00	5.00	0.79	1.53	2.38	30.37	-0.16	37.50	6.00
359	3.59	2.11	24.44	-9.10	1.16	2.11	1.16	5.00	2.51	16.95	59.10	0.00	59.10	34.67	1.19	0.00	5.00	0.78	1.52	2.37	30.81	-0.15	38.23	6.00
360	3.60	2.18	24.40	-9.10	1.12	2.18	1.12	5.00	2.49	16.96	59.26	0.00	59.26	35.75	1.15	0.00	5.00	0.77	1.51	2.35	31.68	-0.15	39.14	6.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
361	3.61	2.20	24.53	-9.10	1.11	2.20	1.12	5.00	2.48	16.97	59.43	0.00	59.43	35.98	1.15	0.00	5.00	0.77	1.51	2.35	31.88	-0.15	39.30	6.00
362	3.62	2.22	25.00	-9.10	1.13	2.22	1.13	5.00	2.48	17.00	59.60	0.00	59.60	36.21	1.16	0.00	5.00	0.77	1.51	2.35	32.11	-0.15	39.28	6.00
363	3.63	2.28	25.70	-9.10	1.13	2.28	1.13	5.00	2.47	17.04	59.77	0.00	59.77	37.11	1.16	0.00	5.00	0.77	1.50	2.34	32.87	-0.15	39.66	6.00
364	3.64	2.31	26.49	-9.01	1.15	2.31	1.15	5.00	2.47	17.08	59.95	0.00	59.95	37.50	1.18	0.00	5.00	0.77	1.50	2.34	33.24	-0.15	39.61	7.00
365	3.65	2.34	28.22	-9.01	1.20	2.34	1.21	5.00	2.48	17.16	60.12	0.00	60.12	37.89	1.24	0.00	5.00	0.77	1.50	2.34	33.66	-0.15	39.09	7.00
366	3.66	2.36	29.95	-9.01	1.27	2.36	1.27	5.00	2.49	17.23	60.29	0.00	60.29	38.11	1.30	0.00	5.00	0.78	1.50	2.35	33.94	-0.15	38.46	7.00
367	3.67	2.36	31.40	-9.01	1.33	2.36	1.33	5.00	2.50	17.28	60.46	0.00	60.46	38.00	1.37	0.00	5.00	0.78	1.50	2.37	33.94	-0.15	37.76	7.00
368	3.68	2.38	33.45	-8.91	1.41	2.38	1.41	5.00	2.51	17.36	60.64	0.00	60.64	38.22	1.44	0.00	5.00	0.79	1.50	2.38	34.23	-0.15	37.04	7.00
369	3.69	2.39	34.43	-9.01	1.44	2.39	1.44	5.00	2.51	17.39	60.81	0.00	60.81	38.27	1.48	0.00	5.00	0.79	1.49	2.38	34.34	-0.15	36.70	7.00
370	3.70	2.40	35.50	-9.01	1.48	2.40	1.48	5.00	2.52	17.43	60.98	0.00	60.98	38.32	1.52	0.00	5.00	0.79	1.49	2.39	34.44	-0.15	36.33	7.00
371	3.71	2.38	37.87	-9.01	1.59	2.38	1.59	4.00	2.54	17.50	61.16	0.00	61.16	37.88	1.63	0.00	5.00	0.80	1.50	2.41	34.21	-0.15	35.11	7.00
372	3.72	2.37	39.19	-9.01	1.66	2.37	1.65	4.00	2.55	17.54	61.33	0.00	61.33	37.61	1.70	0.00	5.00	0.80	1.50	2.42	34.06	-0.15	34.46	7.00
373	3.73	2.33	43.92	-9.01	1.89	2.33	1.89	4.00	2.59	17.66	61.51	0.00	61.51	36.85	1.94	0.00	5.00	0.82	1.50	2.46	33.64	-0.15	32.28	7.00
374	3.74	2.32	46.63	-9.01	2.01	2.32	2.01	4.00	2.60	17.73	61.69	0.00	61.69	36.58	2.07	0.00	5.00	0.82	1.51	2.48	33.52	-0.15	31.25	5.00
375	3.75	2.32	50.42	-9.01	2.17	2.32	2.18	4.00	2.62	17.82	61.87	0.00	61.87	36.47	2.23	0.00	4.00	0.83	1.51	2.50	33.57	-0.15	30.05	5.00
376	3.76	2.33	52.34	-9.01	2.25	2.33	2.25	4.00	2.63	17.86	62.05	0.00	62.05	36.52	2.31	0.00	4.00	0.84	1.51	2.51	33.69	-0.15	29.56	5.00
377	3.77	2.34	54.52	-9.01	2.33	2.34	2.33	4.00	2.64	17.91	62.22	0.00	62.22	36.58	2.40	0.00	4.00	0.84	1.51	2.52	33.81	-0.14	29.01	5.00
378	3.78	2.37	57.60	-8.91	2.43	2.37	2.43	4.00	2.64	17.98	62.40	0.00	62.40	36.95	2.50	0.00	4.00	0.84	1.50	2.52	34.22	-0.14	28.44	5.00
379	3.79	2.37	59.06	-8.91	2.50	2.37	2.49	4.00	2.65	18.01	62.58	0.00	62.58	36.84	2.56	0.00	4.00	0.84	1.50	2.53	34.18	-0.14	28.04	5.00
380	3.80	2.36	61.48	-8.82	2.60	2.36	2.61	4.00	2.66	18.05	62.76	0.00	62.76	36.57	2.68	0.00	4.00	0.85	1.50	2.54	34.05	-0.14	27.33	5.00
381	3.81	2.36	62.46	-8.72	2.65	2.36	2.65	4.00	2.67	18.07	62.95	0.00	62.95	36.46	2.72	0.00	4.00	0.85	1.50	2.55	33.99	-0.14	27.07	5.00
382	3.82	2.36	63.94	-8.72	2.71	2.36	2.71	4.00	2.68	18.10	63.13	0.00	63.13	36.36	2.79	0.00	4.00	0.86	1.50	2.56	33.95	-0.14	26.70	5.00
383	3.83	2.30	66.28	-8.82	2.88	2.30	2.88	4.00	2.70	18.13	63.31	0.00	63.31	35.30	2.97	0.00	4.00	0.87	1.50	2.58	33.13	-0.14	25.63	5.00
384	3.84	2.28	67.25	-8.72	2.95	2.28	2.95	4.00	2.71	18.14	63.49	0.00	63.49	34.88	3.04	0.00	4.00	0.87	1.50	2.59	32.81	-0.14	25.24	5.00
385	3.85	2.26	67.98	-8.72	3.01	2.26	3.01	4.00	2.72	18.15	63.67	0.00	63.67	34.47	3.10	0.00	4.00	0.87	1.50	2.60	32.49	-0.14	24.90	5.00
386	3.86	2.24	68.67	-8.82	3.07	2.24	3.07	4.00	2.73	18.16	63.85	0.00	63.85	34.05	3.16	0.00	4.00	0.88	1.50	2.61	32.16	-0.14	24.57	5.00
387	3.87	2.22	68.61	-8.82	3.09	2.22	3.09	4.00	2.73	18.16	64.03	0.00	64.03	33.64	3.19	0.00	4.00	0.88	1.50	2.62	31.81	-0.14	24.41	5.00
388	3.88	2.21	66.84	-8.82	3.03	2.21	3.03	4.00	2.73	18.13	64.22	0.00	64.22	33.39	3.12	0.00	4.00	0.88	1.49	2.61	31.57	-0.14	24.68	5.00
389	3.89	2.20	65.68	-8.72	2.99	2.20	2.99	4.00	2.73	18.10	64.40	0.00	64.40	33.14	3.08	0.00	4.00	0.88	1.49	2.61	31.34	-0.14	24.83	5.00
390	3.90	2.18	64.67	-8.72	2.96	2.18	2.97	4.00	2.73	18.08	64.58	0.00	64.58	32.73	3.06	0.00	4.00	0.88	1.48	2.61	30.98	-0.14	24.87	5.00
391	3.91	2.16	62.59	-8.91	2.90	2.16	2.90	4.00	2.72	18.04	64.76	0.00	64.76	32.33	2.99	0.00	4.00	0.88	1.48	2.61	30.59	-0.14	25.14	5.00
392	3.92	2.16	62.59	-8.91	2.90	2.16	2.90	4.00	2.72	18.04	64.94	0.00	64.94	32.23	2.99	0.00	4.00	0.88	1.48	2.61	30.52	-0.14	25.13	5.00
393	3.93	2.16	62.59	-8.91	2.90	2.16	2.90	4.00	2.72	18.04	65.12	0.00	65.12	32.14	2.99	0.00	4.00	0.88	1.47	2.61	30.45	-0.14	25.11	5.00
394	3.94	2.21	51.55	-9.30	2.33	2.21	2.33	4.00	2.66	17.83	65.30	0.00	65.30	32.82	2.41	0.00	4.00	0.85	1.46	2.55	30.77	-0.14	28.31	5.00
395	3.95	2.24	50.48	-9.30	2.26	2.24	2.26	4.00	2.64	17.81	65.47	0.00	65.47	33.18	2.32	0.00	4.00	0.85	1.45	2.54	31.06	-0.14	28.88	5.00
396	3.96	2.24	49.66	-9.30	2.22	2.24	2.22	4.00	2.64	17.79	65.65	0.00	65.65	33.09	2.29	0.00	4.00	0.85	1.44	2.53	30.97	-0.14	29.10	5.00
397	3.97	2.25	48.78	-9.30	2.17	2.25	2.17	4.00	2.63	17.77	65.83	0.00	65.83	33.15	2.24	0.00	4.00	0.85	1.44	2.53	31.01	-0.14	29.44	5.00
398	3.98	2.24	47.61	-9.30	2.13	2.24	2.13	4.00	2.63	17.74	66.01	0.00	66.01	32.91	2.19	0.00	4.00	0.84	1.44	2.52	30.78	-0.14	29.67	5.00
399	3.99	2.23	47.07	-9.30	2.11	2.23	2.11	4.00	2.63	17.73	66.18	0.00	66.18	32.66	2.18	0.00	4.00	0.84	1.43	2.52	30.57	-0.14	29.71	5.00
400	4.00	2.21	46.32	-9.30	2.09	2.21	2.10	4.00	2.63	17.70	66.36	0.00	66.36	32.27	2.16	0.00	4.00	0.85	1.43	2.53	30.23	-0.14	29.72	5.00
401	4.01	2.21	45.69	-9.30	2.07	2.21	2.07	4.00	2.63	17.69	66.54	0.00	66.54	32.18	2.13	0.00	4.00	0.84	1.43	2.52	30.15	-0.14	29.89	5.00
402	4.02	2.20	45.34	-9.39	2.07	2.20	2.06	4.00	2.63	17.68	66.72	0.00	66.72	31.95	2.13	0.00	4.00	0.85	1.42	2.52	29.94	-0.14	29.88	5.00
403	4.03	2.17	44.71	-9.30	2.06	2.17	2.06	4.00	2.63	17.66	66.89	0.00	66.89	31.41	2.13	0.00	4.00	0.85	1.42	2.53	29.48	-0.14	29.74	5.00
404	4.04	2.14	44.55	-9.30	2.08	2.14	2.08	4.00	2.64	17.65	67.07	0.00	67.07	30.88	2.15	0.00	4.00	0.85	1.42	2.54	29.03	-0.14	29.47	5.00
405	4.05	2.11	43.64	-9.30	2.06	2.11	2.07	4.00	2.64	17.62	67.24	0.00	67.24	30.35	2.14	0.00	4.00	0.85	1.42	2.54	28.56	-0.14	29.42	5.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
406	4.06	2.10	42.53	-9.39	2.02	2.10	2.03	4.00	2.64	17.59	67.42	0.00	67.42	30.12	2.09	0.00	4.00	0.85	1.41	2.54	28.34	-0.14	29.64	5.00
407	4.07	2.10	41.71	-9.39	1.99	2.10	1.99	4.00	2.64	17.56	67.60	0.00	67.60	30.04	2.05	0.00	4.00	0.85	1.41	2.53	28.26	-0.14	29.88	5.00
408	4.08	2.09	40.86	-9.30	1.96	2.09	1.96	4.00	2.63	17.54	67.77	0.00	67.77	29.81	2.02	0.00	4.00	0.85	1.41	2.53	28.05	-0.14	30.03	5.00
409	4.09	2.08	40.52	-9.30	1.95	2.08	1.95	4.00	2.63	17.53	67.95	0.00	67.95	29.58	2.02	0.00	4.00	0.85	1.40	2.53	27.86	-0.14	30.01	5.00
410	4.10	2.07	39.70	-9.30	1.92	2.07	1.92	4.00	2.63	17.50	68.12	0.00	68.12	29.36	1.99	0.00	4.00	0.85	1.40	2.53	27.65	-0.14	30.15	5.00
411	4.11	2.08	39.29	-9.39	1.89	2.08	1.89	4.00	2.63	17.49	68.30	0.00	68.30	29.43	1.95	0.00	4.00	0.85	1.40	2.53	27.71	-0.14	30.37	5.00
412	4.12	2.09	37.68	-9.30	1.80	2.09	1.80	4.00	2.61	17.44	68.47	0.00	68.47	29.50	1.87	0.00	4.00	0.84	1.39	2.52	27.73	-0.14	30.99	5.00
413	4.13	2.10	36.89	-9.30	1.76	2.10	1.76	4.00	2.60	17.42	68.65	0.00	68.65	29.56	1.82	0.00	4.00	0.84	1.39	2.51	27.78	-0.14	31.35	5.00
414	4.14	2.12	35.79	-9.30	1.69	2.12	1.69	4.00	2.59	17.39	68.82	0.00	68.82	29.78	1.75	0.00	5.00	0.84	1.38	2.50	27.94	-0.14	31.94	5.00
415	4.15	2.14	35.53	-9.30	1.66	2.14	1.66	4.00	2.58	17.39	68.99	0.00	68.99	29.99	1.72	0.00	5.00	0.83	1.38	2.49	28.13	-0.13	32.23	7.00
416	4.16	2.16	35.31	-9.30	1.64	2.16	1.64	4.00	2.58	17.38	69.17	0.00	69.17	30.20	1.69	0.00	5.00	0.83	1.37	2.48	28.31	-0.13	32.51	7.00
417	4.17	2.18	34.37	-9.30	1.57	2.18	1.58	4.00	2.57	17.36	69.34	0.00	69.34	30.41	1.63	0.00	5.00	0.83	1.37	2.47	28.48	-0.13	33.05	7.00
418	4.18	2.22	33.83	-9.30	1.53	2.22	1.53	4.00	2.55	17.34	69.51	0.00	69.51	30.91	1.57	0.00	5.00	0.82	1.36	2.46	28.90	-0.13	33.68	7.00
419	4.19	2.23	33.39	-9.20	1.50	2.23	1.50	4.00	2.54	17.33	69.69	0.00	69.69	30.97	1.55	0.00	5.00	0.82	1.36	2.45	28.95	-0.13	33.93	7.00
420	4.20	2.26	32.44	-9.30	1.44	2.26	1.44	5.00	2.53	17.30	69.86	0.00	69.86	31.32	1.48	0.00	5.00	0.81	1.35	2.44	29.23	-0.13	34.62	7.00
421	4.21	2.25	32.32	-9.20	1.43	2.25	1.44	5.00	2.53	17.30	70.03	0.00	70.03	31.10	1.48	0.00	5.00	0.82	1.35	2.44	29.05	-0.13	34.52	7.00
422	4.22	2.25	32.29	-9.20	1.43	2.25	1.44	5.00	2.53	17.30	70.21	0.00	70.21	31.02	1.48	0.00	5.00	0.82	1.35	2.44	28.99	-0.13	34.51	7.00
423	4.23	2.24	33.93	-9.20	1.52	2.24	1.52	4.00	2.55	17.35	70.38	0.00	70.38	30.80	1.57	0.00	5.00	0.82	1.35	2.46	28.86	-0.13	33.74	7.00
424	4.24	2.22	35.09	-9.20	1.58	2.22	1.58	4.00	2.56	17.39	70.55	0.00	70.55	30.44	1.63	0.00	5.00	0.83	1.35	2.47	28.59	-0.13	33.06	7.00
425	4.25	2.17	38.69	-9.20	1.78	2.17	1.78	4.00	2.60	17.49	70.73	0.00	70.73	29.65	1.84	0.00	4.00	0.84	1.35	2.51	28.01	-0.13	31.24	5.00
426	4.26	2.16	40.33	-9.20	1.87	2.16	1.87	4.00	2.61	17.54	70.90	0.00	70.90	29.44	1.93	0.00	4.00	0.85	1.35	2.52	27.87	-0.13	30.58	5.00
427	4.27	2.13	43.64	-9.20	2.05	2.13	2.05	4.00	2.64	17.62	71.08	0.00	71.08	28.94	2.12	0.00	4.00	0.86	1.36	2.55	27.52	-0.13	29.22	5.00
428	4.28	2.13	45.43	-9.10	2.14	2.13	2.13	4.00	2.65	17.67	71.26	0.00	71.26	28.87	2.21	0.00	4.00	0.86	1.35	2.56	27.50	-0.13	28.68	5.00
429	4.29	2.14	50.42	-9.10	2.36	2.14	2.36	4.00	2.67	17.79	71.43	0.00	71.43	28.93	2.44	0.00	4.00	0.87	1.36	2.59	27.66	-0.13	27.39	5.00
430	4.30	2.14	52.34	-9.01	2.44	2.14	2.45	4.00	2.68	17.83	71.61	0.00	71.61	28.86	2.53	0.00	4.00	0.88	1.36	2.60	27.64	-0.13	26.88	5.00
431	4.31	2.14	53.85	-9.01	2.51	2.14	2.52	4.00	2.69	17.86	71.79	0.00	71.79	28.78	2.61	0.00	4.00	0.88	1.35	2.61	27.60	-0.13	26.49	5.00
432	4.32	2.12	57.64	-9.01	2.72	2.12	2.72	4.00	2.71	17.94	71.97	0.00	71.97	28.43	2.82	0.00	4.00	0.89	1.35	2.63	27.36	-0.13	25.40	5.00
433	4.33	2.10	59.69	-9.01	2.84	2.10	2.84	4.00	2.73	17.98	72.15	0.00	72.15	28.08	2.95	0.00	4.00	0.89	1.35	2.65	27.09	-0.12	24.76	5.00
434	4.34	2.08	63.00	-9.01	3.03	2.08	3.03	4.00	2.75	18.03	72.33	0.00	72.33	27.73	3.14	0.00	4.00	0.90	1.36	2.67	26.83	-0.12	23.87	5.00
435	4.35	2.08	64.38	-9.01	3.10	2.08	3.10	4.00	2.75	18.06	72.51	0.00	72.51	27.66	3.21	0.00	4.00	0.90	1.35	2.67	26.79	-0.12	23.58	5.00
436	4.36	2.08	65.83	-9.01	3.17	2.08	3.17	4.00	2.76	18.08	72.69	0.00	72.69	27.59	3.28	0.00	4.00	0.91	1.35	2.68	26.75	-0.12	23.29	5.00
437	4.37	2.09	69.46	-8.91	3.32	2.09	3.33	4.00	2.77	18.15	72.87	0.00	72.87	27.65	3.45	0.00	4.00	0.91	1.35	2.69	26.87	-0.12	22.67	5.00
438	4.38	2.10	71.23	-8.91	3.38	2.10	3.39	4.00	2.78	18.18	73.06	0.00	73.06	27.72	3.52	0.00	4.00	0.91	1.35	2.70	26.95	-0.12	22.42	5.00
439	4.39	2.13	73.09	-8.91	3.44	2.13	3.43	4.00	2.77	18.21	73.24	0.00	73.24	28.06	3.56	0.00	4.00	0.91	1.35	2.70	27.28	-0.12	22.32	5.00
440	4.40	2.18	76.37	-8.91	3.50	2.18	3.51	4.00	2.77	18.27	73.42	0.00	73.42	28.67	3.63	0.00	4.00	0.91	1.34	2.70	27.88	-0.12	22.13	5.00
441	4.41	2.21	77.69	-8.82	3.52	2.21	3.52	4.00	2.77	18.30	73.60	0.00	73.60	29.00	3.64	0.00	4.00	0.91	1.34	2.69	28.20	-0.12	22.13	5.00
442	4.42	2.21	79.05	-8.82	3.58	2.21	3.58	4.00	2.77	18.32	73.79	0.00	73.79	28.93	3.70	0.00	4.00	0.91	1.34	2.70	28.15	-0.12	21.89	3.00
443	4.43	2.21	81.19	-8.82	3.68	2.21	3.68	4.00	2.78	18.35	73.97	0.00	73.97	28.85	3.80	0.00	4.00	0.92	1.33	2.71	28.12	-0.12	21.54	3.00
444	4.44	2.20	82.04	-8.82	3.73	2.20	3.73	4.00	2.79	18.36	74.15	0.00	74.15	28.64	3.86	0.00	4.00	0.92	1.33	2.71	27.94	-0.12	21.32	3.00
445	4.45	2.21	83.96	-8.82	3.80	2.21	3.80	3.00	2.79	18.39	74.34	0.00	74.34	28.70	3.93	0.00	4.00	0.92	1.33	2.72	28.02	-0.12	21.09	3.00
446	4.46	2.22	84.82	-8.82	3.83	2.22	3.82	3.00	2.79	18.40	74.52	0.00	74.52	28.77	3.96	0.00	4.00	0.92	1.33	2.72	28.09	-0.12	21.03	3.00
447	4.47	2.25	86.27	-8.82	3.83	2.25	3.84	3.00	2.79	18.43	74.71	0.00	74.71	29.09	3.97	0.00	4.00	0.92	1.32	2.72	28.41	-0.12	21.02	3.00
448	4.48	2.26	87.31	-8.82	3.86	2.26	3.87	3.00	2.79	18.44	74.89	0.00	74.89	29.15	4.00	0.00	4.00	0.92	1.32	2.72	28.48	-0.12	20.92	3.00
449	4.49	2.28	88.69	-8.72	3.89	2.28	3.89	3.00	2.79	18.46	75.08	0.00	75.08	29.35	4.03	0.00	4.00	0.92	1.32	2.72	28.67	-0.12	20.86	3.00
450	4.50	2.28	88.91	-8.82	3.90	2.28	3.90	3.00	2.79	18.47	75.26	0.00	75.26	29.27	4.04	0.00	4.00	0.92	1.32	2.72	28.61	-0.12	20.82	3.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
451	4.51	2.24	87.59	-8.72	3.91	2.24	3.91	3.00	2.79	18.44	75.44	0.00	75.44	28.67	4.05	0.00	4.00	0.93	1.31	2.73	28.05	-0.12	20.72	3.00
452	4.52	2.22	86.45	-8.72	3.89	2.22	3.90	3.00	2.80	18.42	75.63	0.00	75.63	28.33	4.03	0.00	4.00	0.93	1.31	2.73	27.73	-0.12	20.74	3.00
453	4.53	2.19	85.07	-8.72	3.88	2.19	3.89	3.00	2.80	18.40	75.81	0.00	75.81	27.86	4.03	0.00	4.00	0.93	1.31	2.73	27.29	-0.12	20.73	3.00
454	4.54	2.17	83.77	-8.82	3.86	2.17	3.86	3.00	2.80	18.38	76.00	0.00	76.00	27.53	4.00	0.00	4.00	0.93	1.31	2.73	26.98	-0.12	20.77	3.00
455	4.55	2.12	80.46	-8.82	3.79	2.12	3.80	3.00	2.80	18.32	76.18	0.00	76.18	26.80	3.94	0.00	4.00	0.93	1.30	2.74	26.28	-0.12	20.90	3.00
456	4.56	2.11	78.04	-8.82	3.70	2.11	3.70	3.00	2.80	18.29	76.36	0.00	76.36	26.61	3.84	0.00	4.00	0.93	1.30	2.73	26.08	-0.12	21.20	3.00
457	4.57	2.07	73.81	-8.72	3.57	2.07	3.57	4.00	2.79	18.21	76.54	0.00	76.54	26.02	3.71	0.00	4.00	0.93	1.30	2.73	25.50	-0.11	21.58	3.00
458	4.58	2.04	71.54	-8.72	3.51	2.04	3.51	4.00	2.79	18.17	76.73	0.00	76.73	25.56	3.65	0.00	4.00	0.93	1.29	2.73	25.06	-0.11	21.72	3.00
459	4.59	2.01	68.48	-8.82	3.41	2.01	3.41	4.00	2.79	18.12	76.91	0.00	76.91	25.11	3.55	0.00	4.00	0.93	1.29	2.73	24.62	-0.11	22.01	3.00
460	4.60	1.94	63.37	-8.82	3.26	1.94	3.27	4.00	2.79	18.01	77.09	0.00	77.09	24.14	3.41	0.00	4.00	0.93	1.29	2.73	23.68	-0.11	22.36	5.00
461	4.61	1.92	61.26	-8.82	3.20	1.92	3.19	4.00	2.79	17.97	77.27	0.00	77.27	23.82	3.33	0.00	4.00	0.93	1.29	2.73	23.37	-0.11	22.58	5.00
462	4.62	1.91	57.07	-8.82	2.99	1.91	2.99	4.00	2.77	17.89	77.45	0.00	77.45	23.64	3.12	0.00	4.00	0.92	1.28	2.71	23.15	-0.11	23.32	5.00
463	4.63	1.91	55.40	-8.82	2.91	1.91	2.90	4.00	2.77	17.85	77.62	0.00	77.62	23.58	3.03	0.00	4.00	0.92	1.28	2.71	23.08	-0.11	23.65	5.00
464	4.64	1.92	51.96	-8.82	2.71	1.92	2.71	4.00	2.75	17.78	77.80	0.00	77.80	23.65	2.82	0.00	4.00	0.91	1.27	2.69	23.12	-0.11	24.48	5.00
465	4.65	1.94	50.16	-8.82	2.59	1.94	2.59	4.00	2.73	17.75	77.98	0.00	77.98	23.85	2.70	0.00	4.00	0.91	1.27	2.67	23.28	-0.11	25.07	5.00
466	4.66	1.96	49.38	-8.82	2.52	1.96	2.52	4.00	2.72	17.73	78.16	0.00	78.16	24.05	2.63	0.00	4.00	0.90	1.26	2.66	23.46	-0.11	25.42	5.00
467	4.67	2.00	46.41	-8.72	2.32	2.00	2.32	4.00	2.69	17.67	78.33	0.00	78.33	24.51	2.42	0.00	4.00	0.89	1.26	2.64	23.84	-0.11	26.52	5.00
468	4.68	2.01	45.15	-8.72	2.25	2.01	2.25	4.00	2.68	17.64	78.51	0.00	78.51	24.58	2.34	0.00	4.00	0.89	1.25	2.63	23.90	-0.11	26.92	5.00
469	4.69	2.00	44.36	-8.72	2.22	2.00	2.22	4.00	2.68	17.62	78.69	0.00	78.69	24.39	2.31	0.00	4.00	0.89	1.25	2.63	23.72	-0.11	27.02	5.00
470	4.70	2.01	43.76	-8.72	2.18	2.01	2.18	4.00	2.67	17.60	78.86	0.00	78.86	24.46	2.27	0.00	4.00	0.89	1.25	2.62	23.78	-0.11	27.26	5.00
471	4.71	2.02	43.54	-8.72	2.15	2.02	2.16	4.00	2.67	17.60	79.04	0.00	79.04	24.53	2.25	0.00	4.00	0.89	1.25	2.62	23.85	-0.11	27.40	5.00
472	4.72	2.04	43.20	-8.72	2.12	2.04	2.12	4.00	2.66	17.59	79.21	0.00	79.21	24.73	2.21	0.00	4.00	0.88	1.24	2.61	24.03	-0.11	27.67	5.00
473	4.73	2.04	43.13	-8.72	2.11	2.04	2.12	4.00	2.66	17.59	79.39	0.00	79.39	24.67	2.20	0.00	4.00	0.88	1.24	2.61	23.98	-0.11	27.67	5.00
474	4.74	2.04	43.35	-8.72	2.13	2.04	2.13	4.00	2.66	17.60	79.57	0.00	79.57	24.62	2.21	0.00	4.00	0.88	1.24	2.61	23.94	-0.11	27.60	5.00
475	4.75	2.05	43.48	-8.63	2.12	2.05	2.12	4.00	2.66	17.60	79.74	0.00	79.74	24.69	2.21	0.00	4.00	0.88	1.24	2.61	24.01	-0.11	27.64	5.00
476	4.76	2.08	44.43	-8.72	2.13	2.08	2.14	4.00	2.66	17.63	79.92	0.00	79.92	25.00	2.22	0.00	4.00	0.88	1.23	2.61	24.32	-0.11	27.66	5.00
477	4.77	2.10	44.55	-8.72	2.12	2.10	2.12	4.00	2.65	17.64	80.10	0.00	80.10	25.20	2.21	0.00	4.00	0.88	1.23	2.60	24.50	-0.11	27.80	5.00
478	4.78	2.16	44.20	-8.63	2.05	2.16	2.05	4.00	2.63	17.64	80.27	0.00	80.27	25.89	2.13	0.00	4.00	0.87	1.23	2.58	25.14	-0.11	28.46	5.00
479	4.79	2.19	43.70	-8.63	2.00	2.19	2.00	4.00	2.62	17.63	80.45	0.00	80.45	26.20	2.07	0.00	4.00	0.87	1.22	2.57	25.43	-0.11	28.87	5.00
480	4.80	2.22	43.26	-8.63	1.95	2.22	1.95	4.00	2.61	17.63	80.62	0.00	80.62	26.51	2.02	0.00	4.00	0.87	1.22	2.56	25.72	-0.11	29.27	5.00
481	4.81	2.26	42.22	-8.53	1.86	2.26	1.87	4.00	2.59	17.61	80.80	0.00	80.80	26.95	1.94	0.00	4.00	0.86	1.22	2.55	26.11	-0.11	29.94	5.00
482	4.82	2.27	42.28	-8.53	1.86	2.27	1.86	4.00	2.59	17.61	80.98	0.00	80.98	27.01	1.93	0.00	4.00	0.86	1.21	2.55	26.18	-0.11	30.00	5.00
483	4.83	2.26	43.29	-8.63	1.91	2.26	1.92	4.00	2.60	17.63	81.15	0.00	81.15	26.83	1.99	0.00	4.00	0.86	1.21	2.55	26.03	-0.11	29.59	5.00
484	4.84	2.22	47.45	-8.53	2.14	2.22	2.14	4.00	2.63	17.73	81.33	0.00	81.33	26.27	2.22	0.00	4.00	0.88	1.21	2.59	25.57	-0.10	28.06	5.00
485	4.85	2.23	51.43	-8.53	2.30	2.23	2.31	4.00	2.65	17.83	81.51	0.00	81.51	26.34	2.40	0.00	4.00	0.88	1.21	2.61	25.68	-0.10	27.13	5.00
486	4.86	2.30	58.99	-8.53	2.57	2.30	2.57	4.00	2.67	18.00	81.69	0.00	81.69	27.13	2.66	0.00	4.00	0.89	1.21	2.63	26.50	-0.10	25.97	5.00
487	4.87	2.34	62.43	-8.43	2.66	2.34	2.67	4.00	2.67	18.07	81.87	0.00	81.87	27.56	2.77	0.00	4.00	0.89	1.21	2.63	26.94	-0.10	25.56	5.00
488	4.88	2.40	66.56	-8.43	2.78	2.40	2.78	4.00	2.68	18.15	82.05	0.00	82.05	28.23	2.87	0.00	4.00	0.89	1.21	2.63	27.60	-0.10	25.18	5.00
489	4.89	2.46	70.94	-8.43	2.89	2.46	2.89	4.00	2.68	18.24	82.23	0.00	82.23	28.89	2.99	0.00	4.00	0.89	1.21	2.64	28.27	-0.10	24.78	5.00
490	4.90	2.52	77.69	-8.43	3.08	2.52	3.09	4.00	2.69	18.35	82.42	0.00	82.42	29.55	3.19	0.00	4.00	0.90	1.20	2.65	28.95	-0.10	23.99	5.00
491	4.91	2.50	79.61	-8.34	3.19	2.50	3.19	4.00	2.70	18.37	82.60	0.00	82.60	29.25	3.30	0.00	4.00	0.90	1.20	2.66	28.68	-0.10	23.51	5.00
492	4.92	2.50	79.61	-8.34	3.19	2.50	3.19	4.00	2.70	18.37	82.78	0.00	82.78	29.18	3.30	0.00	4.00	0.90	1.20	2.66	28.62	-0.10	23.50	5.00
493	4.93	2.50	79.61	-8.34	3.19	2.50	3.19	4.00	2.70	18.37	82.97	0.00	82.97	29.11	3.30	0.00	4.00	0.90	1.20	2.66	28.56	-0.10	23.49	5.00
494	4.94	2.38	71.26	-8.72	2.99	2.38	3.00	4.00	2.70	18.23	83.15	0.00	83.15	27.60	3.10	0.00	4.00	0.90	1.20	2.66	27.09	-0.10	24.07	5.00
495	4.95	2.33	70.12	-8.63	3.00	2.33	3.01	4.00	2.71	18.20	83.33	0.00	83.33	26.94	3.12	0.00	4.00	0.91	1.19	2.67	26.46	-0.10	23.89	5.00

GeoDeep
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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
496	4.96	2.30	69.37	-8.63	3.02	2.30	3.02	4.00	2.71	18.18	83.51	0.00	83.51	26.52	3.13	0.00	4.00	0.91	1.19	2.68	26.07	-0.10	23.78	5.00
497	4.97	2.26	68.64	-8.63	3.04	2.26	3.04	4.00	2.72	18.16	83.70	0.00	83.70	25.98	3.16	0.00	4.00	0.91	1.19	2.69	25.56	-0.10	23.60	5.00
498	4.98	2.25	68.01	-8.63	3.02	2.25	3.03	4.00	2.72	18.15	83.88	0.00	83.88	25.80	3.14	0.00	4.00	0.91	1.19	2.69	25.39	-0.10	23.63	5.00
499	4.99	2.24	65.68	-8.63	2.93	2.24	2.93	4.00	2.71	18.11	84.06	0.00	84.06	25.63	3.05	0.00	4.00	0.91	1.19	2.68	25.21	-0.10	23.97	5.00
500	5.00	2.25	64.13	-8.63	2.85	2.25	2.85	4.00	2.71	18.08	84.24	0.00	84.24	25.69	2.96	0.00	4.00	0.91	1.18	2.67	25.26	-0.10	24.34	5.00
501	5.01	2.26	62.49	-8.63	2.77	2.26	2.77	4.00	2.70	18.06	84.42	0.00	84.42	25.75	2.87	0.00	4.00	0.91	1.18	2.66	25.31	-0.10	24.73	5.00
502	5.02	2.28	61.58	-8.53	2.71	2.28	2.70	4.00	2.69	18.04	84.60	0.00	84.60	25.93	2.81	0.00	4.00	0.90	1.18	2.65	25.48	-0.10	25.07	5.00
503	5.03	2.31	62.78	-8.43	2.72	2.31	2.72	4.00	2.68	18.07	84.78	0.00	84.78	26.23	2.82	0.00	4.00	0.90	1.17	2.65	25.77	-0.10	25.06	5.00
504	5.04	2.33	64.51	-8.43	2.76	2.33	2.77	4.00	2.69	18.11	84.96	0.00	84.96	26.40	2.88	0.00	4.00	0.90	1.17	2.65	25.96	-0.10	24.86	5.00
505	5.05	2.34	66.65	-8.43	2.84	2.34	2.85	4.00	2.69	18.14	85.14	0.00	85.14	26.46	2.96	0.00	4.00	0.91	1.17	2.66	26.03	-0.10	24.51	5.00
506	5.06	2.33	69.21	-8.43	2.97	2.33	2.97	4.00	2.70	18.19	85.32	0.00	85.32	26.29	3.09	0.00	4.00	0.91	1.17	2.67	25.89	-0.10	23.94	5.00
507	5.07	2.32	69.71	-8.43	3.00	2.32	3.01	4.00	2.71	18.19	85.51	0.00	85.51	26.11	3.12	0.00	4.00	0.91	1.17	2.68	25.73	-0.10	23.77	5.00
508	5.08	2.30	70.69	-8.43	3.08	2.30	3.08	4.00	2.72	18.21	85.69	0.00	85.69	25.82	3.19	0.00	4.00	0.92	1.17	2.69	25.46	-0.10	23.43	5.00
509	5.09	2.30	70.75	-8.43	3.07	2.30	3.08	4.00	2.72	18.21	85.87	0.00	85.87	25.76	3.20	0.00	4.00	0.92	1.16	2.69	25.41	-0.10	23.41	5.00
510	5.10	2.32	69.62	-8.43	3.00	2.32	3.00	4.00	2.71	18.19	86.05	0.00	86.05	25.94	3.12	0.00	4.00	0.91	1.16	2.68	25.58	-0.10	23.75	5.00
511	5.11	2.32	68.96	-8.43	2.97	2.32	2.97	4.00	2.71	18.18	86.23	0.00	86.23	25.88	3.09	0.00	4.00	0.91	1.16	2.68	25.52	-0.10	23.86	5.00
512	5.12	2.31	68.17	-8.43	2.95	2.31	2.95	4.00	2.71	18.17	86.42	0.00	86.42	25.71	3.07	0.00	4.00	0.91	1.16	2.68	25.36	-0.10	23.92	5.00
513	5.13	2.31	65.30	-8.43	2.82	2.31	2.83	4.00	2.69	18.12	86.60	0.00	86.60	25.65	2.94	0.00	4.00	0.91	1.15	2.67	25.29	-0.10	24.45	5.00
514	5.14	2.31	63.47	-8.34	2.74	2.31	2.75	4.00	2.69	18.08	86.78	0.00	86.78	25.60	2.86	0.00	4.00	0.91	1.15	2.66	25.23	-0.10	24.80	5.00
515	5.15	2.30	61.64	-8.34	2.68	2.30	2.68	4.00	2.68	18.05	86.96	0.00	86.96	25.43	2.79	0.00	4.00	0.91	1.15	2.66	25.06	-0.10	25.07	5.00
516	5.16	2.31	59.06	-8.34	2.56	2.31	2.56	4.00	2.67	18.00	87.14	0.00	87.14	25.49	2.66	0.00	4.00	0.90	1.15	2.64	25.11	-0.10	25.67	5.00
517	5.17	2.32	52.53	-8.24	2.27	2.32	2.27	4.00	2.63	17.87	87.32	0.00	87.32	25.55	2.35	0.00	4.00	0.89	1.14	2.61	25.13	-0.09	27.20	5.00
518	5.18	2.32	49.53	-8.34	2.13	2.32	2.14	4.00	2.62	17.80	87.50	0.00	87.50	25.50	2.22	0.00	4.00	0.88	1.14	2.60	25.06	-0.10	27.90	5.00
519	5.19	2.36	44.11	-8.24	1.87	2.36	1.87	4.00	2.58	17.67	87.67	0.00	87.67	25.90	1.94	0.00	4.00	0.87	1.13	2.56	25.41	-0.09	29.66	5.00
520	5.20	2.37	41.97	-8.24	1.77	2.37	1.77	4.00	2.56	17.62	87.85	0.00	87.85	25.96	1.84	0.00	4.00	0.86	1.13	2.54	25.45	-0.09	30.34	5.00
521	5.21	2.41	39.76	-8.24	1.65	2.41	1.65	4.00	2.54	17.56	88.02	0.00	88.02	26.36	1.71	0.00	4.00	0.85	1.13	2.52	25.82	-0.09	31.35	5.00
522	5.22	2.45	39.13	-8.15	1.60	2.45	1.60	4.00	2.53	17.55	88.20	0.00	88.20	26.76	1.66	0.00	5.00	0.85	1.12	2.51	26.20	-0.09	31.91	5.00
523	5.23	2.48	39.03	-8.24	1.58	2.48	1.57	5.00	2.52	17.55	88.37	0.00	88.37	27.04	1.63	0.00	5.00	0.85	1.12	2.50	26.48	-0.09	32.21	7.00
524	5.24	2.55	38.78	-8.15	1.52	2.55	1.52	5.00	2.50	17.55	88.55	0.00	88.55	27.78	1.58	0.00	5.00	0.84	1.12	2.48	27.18	-0.09	32.95	7.00
525	5.25	2.60	38.66	-8.15	1.49	2.60	1.49	5.00	2.49	17.56	88.73	0.00	88.73	28.28	1.54	0.00	5.00	0.83	1.12	2.47	27.67	-0.09	33.45	7.00
526	5.26	2.63	38.18	-8.15	1.45	2.63	1.45	5.00	2.48	17.55	88.90	0.00	88.90	28.56	1.50	0.00	5.00	0.83	1.11	2.46	27.94	-0.09	33.87	7.00
527	5.27	2.70	38.59	-8.15	1.43	2.70	1.43	5.00	2.46	17.57	89.08	0.00	89.08	29.29	1.48	0.00	5.00	0.83	1.11	2.45	28.64	-0.09	34.39	7.00
528	5.28	2.72	38.47	-8.05	1.42	2.72	1.42	5.00	2.46	17.57	89.25	0.00	89.25	29.46	1.46	0.00	5.00	0.82	1.11	2.44	28.81	-0.09	34.60	7.00
529	5.29	2.73	38.47	-8.05	1.41	2.73	1.41	5.00	2.46	17.57	89.43	0.00	89.43	29.51	1.46	0.00	5.00	0.82	1.11	2.44	28.87	-0.09	34.68	7.00
530	5.30	2.74	38.06	-8.05	1.39	2.74	1.39	5.00	2.45	17.56	89.60	0.00	89.60	29.56	1.44	0.00	5.00	0.82	1.11	2.44	28.92	-0.09	34.89	7.00
531	5.31	2.73	37.71	-8.05	1.38	2.73	1.38	5.00	2.45	17.55	89.78	0.00	89.78	29.39	1.43	0.00	5.00	0.82	1.10	2.44	28.76	-0.09	34.89	7.00
532	5.32	2.73	37.46	-8.05	1.37	2.73	1.37	5.00	2.45	17.54	89.96	0.00	89.96	29.33	1.42	0.00	5.00	0.82	1.10	2.44	28.72	-0.09	34.95	7.00
533	5.33	2.70	36.76	-8.05	1.36	2.70	1.36	5.00	2.45	17.51	90.13	0.00	90.13	28.94	1.41	0.00	5.00	0.82	1.10	2.44	28.35	-0.09	34.88	6.00
534	5.34	2.68	36.20	-7.95	1.35	2.68	1.35	5.00	2.45	17.49	90.31	0.00	90.31	28.66	1.40	0.00	5.00	0.82	1.10	2.44	28.08	-0.09	34.85	6.00
535	5.35	2.65	35.44	-8.05	1.34	2.65	1.34	5.00	2.45	17.47	90.48	0.00	90.48	28.27	1.39	0.00	5.00	0.83	1.10	2.44	27.72	-0.09	34.79	6.00
536	5.36	2.65	35.12	-7.95	1.33	2.65	1.33	5.00	2.45	17.46	90.65	0.00	90.65	28.21	1.37	0.00	5.00	0.82	1.10	2.44	27.67	-0.09	34.88	6.00
537	5.37	2.64	34.84	-8.05	1.32	2.64	1.32	5.00	2.45	17.44	90.83	0.00	90.83	28.05	1.37	0.00	5.00	0.83	1.09	2.44	27.52	-0.09	34.86	6.00
538	5.38	2.64	34.49	-7.95	1.30	2.64	1.31	5.00	2.45	17.43	91.00	0.00	91.00	27.99	1.35	0.00	5.00	0.82	1.09	2.44	27.47	-0.09	34.95	6.00
539	5.39	2.64	34.08	-7.95	1.29	2.64	1.29	5.00	2.45	17.42	91.18	0.00	91.18	27.94	1.34	0.00	5.00	0.82	1.09	2.44	27.42	-0.09	35.08	6.00
540	5.40	2.62	33.83	-7.95	1.29	2.62	1.29	5.00	2.45	17.41	91.35	0.00	91.35	27.66	1.34	0.00	5.00	0.83	1.09	2.44	27.17	-0.09	34.94	6.00

Via di Belvedere 11/B 55054 Bozzano - Massarosa (LU) T (+39)328.6122159 C. Fisc & Part. IVA 02589320460 info@geodeep.it

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
541	5.41	2.62	34.02	-7.95	1.30	2.62	1.30	5.00	2.45	17.41	91.53	0.00	91.53	27.61	1.35	0.00	5.00	0.83	1.09	2.44	27.12	-0.09	34.85	6.00
542	5.42	2.62	33.55	-7.86	1.28	2.62	1.28	5.00	2.45	17.40	91.70	0.00	91.70	27.55	1.33	0.00	5.00	0.83	1.09	2.44	27.08	-0.09	34.99	6.00
543	5.43	2.63	33.45	-7.86	1.27	2.63	1.27	5.00	2.45	17.40	91.87	0.00	91.87	27.61	1.32	0.00	5.00	0.82	1.08	2.44	27.14	-0.09	35.11	6.00
544	5.44	2.64	33.67	-7.86	1.28	2.64	1.28	5.00	2.45	17.41	92.05	0.00	92.05	27.66	1.32	0.00	5.00	0.82	1.08	2.44	27.20	-0.09	35.11	6.00
545	5.45	2.66	33.99	-7.86	1.28	2.66	1.28	5.00	2.44	17.42	92.22	0.00	92.22	27.83	1.32	0.00	5.00	0.82	1.08	2.44	27.37	-0.09	35.17	6.00
546	5.46	2.68	34.34	-7.86	1.28	2.68	1.28	5.00	2.44	17.43	92.40	0.00	92.40	27.99	1.33	0.00	5.00	0.82	1.08	2.43	27.53	-0.09	35.22	6.00
547	5.47	2.70	34.71	-7.76	1.28	2.70	1.29	5.00	2.44	17.45	92.57	0.00	92.57	28.15	1.33	0.00	5.00	0.82	1.08	2.43	27.70	-0.08	35.27	6.00
548	5.48	2.71	34.94	-7.76	1.29	2.71	1.29	5.00	2.44	17.46	92.75	0.00	92.75	28.20	1.34	0.00	5.00	0.82	1.08	2.43	27.76	-0.08	35.26	6.00
549	5.49	2.72	35.12	-7.76	1.29	2.72	1.29	5.00	2.44	17.47	92.92	0.00	92.92	28.26	1.34	0.00	5.00	0.82	1.07	2.43	27.82	-0.08	35.28	6.00
550	5.50	2.73	35.88	-7.76	1.31	2.73	1.32	5.00	2.44	17.49	93.09	0.00	93.09	28.31	1.36	0.00	5.00	0.82	1.07	2.44	27.89	-0.08	35.09	6.00
551	5.51	2.73	36.16	-7.67	1.32	2.73	1.33	5.00	2.44	17.50	93.27	0.00	93.27	28.25	1.37	0.00	5.00	0.82	1.07	2.44	27.85	-0.08	34.97	6.00
552	5.52	2.73	36.45	-7.67	1.34	2.73	1.34	5.00	2.44	17.51	93.44	0.00	93.44	28.20	1.38	0.00	5.00	0.83	1.07	2.44	27.80	-0.08	34.85	6.00
553	5.53	2.72	36.76	-7.67	1.35	2.72	1.35	5.00	2.45	17.52	93.62	0.00	93.62	28.04	1.40	0.00	5.00	0.83	1.07	2.45	27.66	-0.08	34.63	6.00
554	5.54	2.71	36.86	-7.67	1.36	2.71	1.36	5.00	2.45	17.52	93.80	0.00	93.80	27.88	1.41	0.00	5.00	0.83	1.07	2.45	27.51	-0.08	34.48	6.00
555	5.55	2.70	36.70	-7.67	1.36	2.70	1.36	5.00	2.45	17.51	93.97	0.00	93.97	27.72	1.41	0.00	5.00	0.83	1.06	2.45	27.36	-0.08	34.42	6.00
556	5.56	2.69	36.67	-7.67	1.36	2.69	1.36	5.00	2.45	17.51	94.15	0.00	94.15	27.56	1.41	0.00	5.00	0.83	1.06	2.45	27.22	-0.08	34.31	6.00
557	5.57	2.68	36.51	-7.67	1.36	2.68	1.36	5.00	2.46	17.50	94.32	0.00	94.32	27.40	1.41	0.00	5.00	0.83	1.06	2.46	27.07	-0.08	34.25	6.00
558	5.58	2.69	36.29	-7.57	1.35	2.69	1.35	5.00	2.45	17.50	94.50	0.00	94.50	27.45	1.40	0.00	5.00	0.83	1.06	2.45	27.13	-0.08	34.39	6.00
559	5.59	2.70	36.29	-7.57	1.35	2.70	1.34	5.00	2.45	17.50	94.67	0.00	94.67	27.50	1.39	0.00	5.00	0.83	1.06	2.45	27.19	-0.08	34.47	6.00
560	5.60	2.70	36.54	-7.48	1.35	2.70	1.35	5.00	2.45	17.51	94.85	0.00	94.85	27.45	1.40	0.00	5.00	0.83	1.06	2.45	27.15	-0.08	34.36	6.00
561	5.61	2.70	36.64	-7.38	1.36	2.70	1.36	5.00	2.45	17.51	95.02	0.00	95.02	27.40	1.41	0.00	5.00	0.83	1.05	2.45	27.10	-0.08	34.31	6.00
562	5.62	2.70	36.67	-7.38	1.36	2.70	1.36	5.00	2.45	17.51	95.20	0.00	95.20	27.35	1.41	0.00	5.00	0.83	1.05	2.45	27.06	-0.08	34.28	6.00
563	5.63	2.71	36.98	-7.38	1.36	2.71	1.37	5.00	2.45	17.52	95.37	0.00	95.37	27.40	1.42	0.00	5.00	0.83	1.05	2.46	27.12	-0.08	34.25	6.00
564	5.64	2.72	37.14	-7.38	1.36	2.72	1.37	5.00	2.45	17.53	95.55	0.00	95.55	27.45	1.42	0.00	5.00	0.83	1.05	2.45	27.18	-0.08	34.27	6.00
565	5.65	2.72	37.55	-7.38	1.38	2.72	1.38	5.00	2.45	17.54	95.72	0.00	95.72	27.40	1.43	0.00	5.00	0.83	1.05	2.46	27.14	-0.08	34.12	6.00
566	5.66	2.73	38.59	-7.28	1.41	2.73	1.41	5.00	2.46	17.57	95.90	0.00	95.90	27.45	1.47	0.00	5.00	0.84	1.05	2.46	27.20	-0.08	33.86	6.00
567	5.67	2.72	39.00	-7.28	1.43	2.72	1.43	5.00	2.46	17.59	96.07	0.00	96.07	27.30	1.49	0.00	5.00	0.84	1.05	2.47	27.06	-0.08	33.62	0.00
568	5.68	2.70	39.35	-7.28	1.46	2.70	1.46	5.00	2.47	17.59	96.25	0.00	96.25	27.04	1.51	0.00	5.00	0.84	1.04	2.48	26.82	-0.08	33.30	7.00
569	5.69	2.63	39.79	-7.28	1.51	2.63	1.51	5.00	2.49	17.60	96.43	0.00	96.43	26.26	1.57	0.00	5.00	0.85	1.04	2.49	26.06	-0.08	32.50	7.00
570	5.70	2.58	40.01	-7.28	1.55	2.58	1.55	5.00	2.50	17.59	96.60	0.00	96.60	25.69	1.61	0.00	5.00	0.85	1.04	2.51	25.51	-0.08	31.96	5.00
571	5.71	2.51	40.26	-7.28	1.60	2.51	1.60	5.00	2.52	17.59	96.78	0.00	96.78	24.92	1.67	0.00	4.00	0.86	1.04	2.53	24.76	-0.08	31.22	5.00
572	5.72	2.40	40.80	-7.28	1.70	2.40	1.70	4.00	2.55	17.59	96.95	0.00	96.95	23.74	1.77	0.00	4.00	0.87	1.04	2.56	23.61	-0.08	30.05	5.00
573	5.73	2.35	41.40	-7.28	1.76	2.35	1.76	4.00	2.57	17.60	97.13	0.00	97.13	23.18	1.84	0.00	4.00	0.88	1.04	2.58	23.06	-0.07	29.41	5.00
574	5.74	2.27	42.98	-7.28	1.89	2.27	1.89	4.00	2.60	17.63	97.31	0.00	97.31	22.31	1.98	0.00	4.00	0.89	1.04	2.61	22.22	-0.07	28.26	5.00
575	5.75	2.23	43.89	-7.28	1.97	2.23	1.97	4.00	2.61	17.65	97.48	0.00	97.48	21.86	2.06	0.00	4.00	0.90	1.04	2.63	21.78	-0.07	27.67	5.00
576	5.76	2.17	45.50	-7.28	2.10	2.17	2.10	4.00	2.64	17.68	97.66	0.00	97.66	21.20	2.20	0.00	4.00	0.91	1.03	2.65	21.13	-0.07	26.74	5.00
577	5.77	2.15	46.38	-7.28	2.16	2.15	2.16	4.00	2.65	17.69	97.84	0.00	97.84	20.96	2.26	0.00	4.00	0.91	1.03	2.66	20.90	-0.07	26.35	5.00
578	5.78	2.14	47.58	-7.28	2.23	2.14	2.22	4.00	2.66	17.72	98.01	0.00	98.01	20.82	2.33	0.00	4.00	0.92	1.03	2.67	20.76	-0.07	25.98	5.00
579	5.79	2.15	51.80	-7.28	2.41	2.15	2.41	4.00	2.68	17.82	98.19	0.00	98.19	20.88	2.53	0.00	4.00	0.93	1.03	2.69	20.83	-0.07	25.14	5.00
580	5.80	2.15	53.66	-7.09	2.49	2.15	2.50	4.00	2.69	17.86	98.37	0.00	98.37	20.84	2.62	0.00	4.00	0.93	1.03	2.70	20.80	-0.07	24.75	5.00
581	5.81	2.18	55.90	-7.09	2.57	2.18	2.57	4.00	2.69	17.91	98.55	0.00	98.55	21.11	2.69	0.00	4.00	0.93	1.03	2.71	21.06	-0.07	24.54	5.00
582	5.82	2.25	61.14	-7.00	2.71	2.25	2.72	4.00	2.69	18.03	98.73	0.00	98.73	21.77	2.84	0.00	4.00	0.93	1.02	2.71	21.74	-0.07	24.08	5.00
583	5.83	2.27	63.50	-7.00	2.80	2.27	2.80	4.00	2.70	18.08	98.91	0.00	98.91	21.94	2.93	0.00	4.00	0.93	1.02	2.72	21.90	-0.07	23.79	5.00
584	5.84	2.32	65.42	-7.00	2.82	2.32	2.82	4.00	2.69	18.12	99.09	0.00	99.09	22.40	2.95	0.00	4.00	0.93	1.02	2.71	22.36	-0.07	23.81	5.00
585	5.85	2.36	65.55	-6.90	2.78	2.36	2.78	4.00	2.68	18.13	99.27	0.00	99.27	22.76	2.90	0.00	4.00	0.93	1.02	2.70	22.73	-0.07	24.07	5.00

GeoDeep
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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
586	5.86	2.44	63.78	-6.90	2.61	2.44	2.62	4.00	2.65	18.11	99.45	0.00	99.45	23.52	2.73	0.00	4.00	0.92	1.02	2.67	23.48	-0.07	24.98	5.00
587	5.87	2.48	62.40	-6.80	2.51	2.48	2.52	4.00	2.64	18.09	99.63	0.00	99.63	23.88	2.62	0.00	4.00	0.91	1.02	2.66	23.84	-0.07	25.53	5.00
588	5.88	2.54	61.36	-6.80	2.42	2.54	2.42	4.00	2.62	18.08	99.81	0.00	99.81	24.43	2.52	0.00	4.00	0.90	1.01	2.64	24.40	-0.07	26.18	5.00
589	5.89	2.68	60.10	-6.71	2.24	2.68	2.24	4.00	2.58	18.08	100.00	0.00	100.00	25.79	2.33	0.00	4.00	0.89	1.01	2.60	25.75	-0.07	27.50	5.00
590	5.90	2.79	59.40	-6.71	2.13	2.79	2.13	4.00	2.55	18.08	100.18	0.00	100.18	26.84	2.21	0.00	4.00	0.88	1.01	2.57	26.80	-0.07	28.48	5.00
591	5.91	2.91	58.52	-6.61	2.01	2.91	2.01	4.00	2.52	18.08	100.36	0.00	100.36	27.98	2.08	0.00	4.00	0.87	1.01	2.54	27.95	-0.07	29.59	5.00
592	5.92	2.91	58.52	-6.61	2.01	2.91	2.01	4.00	2.52	18.08	100.54	0.00	100.54	27.93	2.08	0.00	4.00	0.87	1.01	2.54	27.90	-0.07	29.58	5.00
593	5.93	2.91	58.52	-6.61	2.01	2.91	2.01	4.00	2.52	18.08	100.72	0.00	100.72	27.88	2.08	0.00	4.00	0.87	1.01	2.54	27.86	-0.07	29.56	5.00
594	5.94	3.66	45.50	-6.80	1.24	3.66	1.24	5.00	2.32	17.88	100.90	0.00	100.90	35.26	1.28	0.00	5.00	0.79	1.00	2.34	35.23	-0.07	39.31	7.00
595	5.95	3.73	44.77	-6.80	1.20	3.73	1.20	5.00	2.31	17.87	101.08	0.00	101.08	35.89	1.23	0.00	5.00	0.78	1.00	2.32	35.87	-0.07	40.14	7.00
596	5.96	3.80	44.74	-6.71	1.18	3.80	1.18	5.00	2.29	17.87	101.25	0.00	101.25	36.52	1.21	0.00	5.00	0.78	1.00	2.31	36.51	-0.07	40.73	7.00
597	5.97	3.91	45.75	-6.71	1.17	3.91	1.17	5.00	2.28	17.91	101.43	0.00	101.43	37.53	1.20	0.00	5.00	0.78	1.00	2.30	37.54	-0.07	41.30	7.00
598	5.98	3.93	47.11	-6.71	1.20	3.93	1.20	5.00	2.29	17.94	101.61	0.00	101.61	37.66	1.23	0.00	5.00	0.78	1.00	2.30	37.69	-0.07	40.97	7.00
599	5.99	3.95	48.18	-6.71	1.22	3.95	1.22	5.00	2.29	17.97	101.79	0.00	101.79	37.79	1.25	0.00	5.00	0.78	1.00	2.31	37.83	-0.07	40.75	7.00
600	6.00	3.98	49.25	-6.71	1.24	3.98	1.24	5.00	2.29	18.00	101.97	0.00	101.97	38.02	1.27	0.00	5.00	0.78	1.00	2.31	38.07	-0.07	40.61	7.00
601	6.01	4.02	49.69	-6.61	1.24	4.02	1.24	5.00	2.29	18.01	102.15	0.00	102.15	38.34	1.27	0.00	5.00	0.78	0.99	2.30	38.41	-0.06	40.77	7.00
602	6.02	4.04	50.29	-6.61	1.25	4.04	1.25	5.00	2.29	18.03	102.33	0.00	102.33	38.47	1.28	0.00	5.00	0.78	0.99	2.30	38.55	-0.06	40.71	7.00
603	6.03	4.03	51.27	-6.61	1.27	4.03	1.27	5.00	2.29	18.05	102.51	0.00	102.51	38.30	1.31	0.00	5.00	0.78	0.99	2.31	38.40	-0.06	40.28	7.00
604	6.04	4.02	51.90	-6.61	1.29	4.02	1.29	5.00	2.30	18.06	102.69	0.00	102.69	38.13	1.33	0.00	5.00	0.78	0.99	2.32	38.24	-0.06	39.97	7.00
605	6.05	3.99	52.28	-6.61	1.31	3.99	1.31	5.00	2.30	18.07	102.88	0.00	102.88	37.77	1.35	0.00	5.00	0.79	0.99	2.32	37.89	-0.06	39.59	7.00
606	6.06	3.96	52.62	-6.52	1.33	3.96	1.33	5.00	2.31	18.07	103.06	0.00	103.06	37.41	1.36	0.00	5.00	0.79	0.99	2.33	37.55	-0.06	39.22	7.00
607	6.07	3.91	52.88	-6.61	1.35	3.91	1.35	5.00	2.32	18.08	103.24	0.00	103.24	36.86	1.39	0.00	5.00	0.79	0.99	2.34	37.00	-0.06	38.71	7.00
608	6.08	3.81	52.91	-6.52	1.39	3.81	1.39	5.00	2.33	18.07	103.42	0.00	103.42	35.83	1.43	0.00	5.00	0.80	0.98	2.36	35.98	-0.06	37.88	7.00
609	6.09	3.73	52.97	-6.61	1.42	3.73	1.42	5.00	2.35	18.06	103.60	0.00	103.60	34.99	1.46	0.00	5.00	0.80	0.98	2.37	35.14	-0.06	37.20	7.00
610	6.10	3.60	52.37	-6.52	1.45	3.60	1.46	5.00	2.37	18.03	103.78	0.00	103.78	33.68	1.50	0.00	5.00	0.81	0.98	2.39	33.83	-0.06	36.31	7.00
611	6.11	3.46	50.83	-6.52	1.47	3.46	1.47	5.00	2.38	17.98	103.96	0.00	103.96	32.27	1.52	0.00	5.00	0.82	0.98	2.41	32.42	-0.06	35.61	7.00
612	6.12	3.39	50.35	-6.52	1.48	3.39	1.49	5.00	2.39	17.96	104.14	0.00	104.14	31.54	1.53	0.00	5.00	0.82	0.98	2.42	31.69	-0.06	35.16	7.00
613	6.13	3.34	49.94	-6.61	1.50	3.34	1.50	5.00	2.40	17.95	104.32	0.00	104.32	31.00	1.54	0.00	5.00	0.83	0.98	2.43	31.16	-0.06	34.85	7.00
614	6.14	3.29	50.01	-6.61	1.52	3.29	1.52	5.00	2.41	17.94	104.50	0.00	104.50	30.47	1.57	0.00	5.00	0.83	0.97	2.44	30.63	-0.06	34.40	7.00
615	6.15	3.19	51.14	-6.61	1.60	3.19	1.60	5.00	2.43	17.96	104.68	0.00	104.68	29.46	1.66	0.00	5.00	0.84	0.97	2.46	29.62	-0.06	33.26	7.00
616	6.16	3.16	51.96	-6.61	1.64	3.16	1.65	5.00	2.44	17.97	104.86	0.00	104.86	29.12	1.70	0.00	5.00	0.84	0.97	2.47	29.28	-0.06	32.78	7.00
617	6.17	3.11	52.75	-6.61	1.70	3.11	1.70	5.00	2.46	17.98	105.04	0.00	105.04	28.60	1.76	0.00	5.00	0.85	0.97	2.49	28.75	-0.06	32.16	7.00
618	6.18	3.09	53.10	-6.52	1.72	3.09	1.72	5.00	2.46	17.99	105.22	0.00	105.22	28.36	1.78	0.00	5.00	0.85	0.97	2.49	28.51	-0.06	31.90	5.00
619	6.19	3.08	54.14	-6.52	1.76	3.08	1.76	5.00	2.47	18.01	105.40	0.00	105.40	28.21	1.82	0.00	5.00	0.86	0.97	2.50	28.37	-0.06	31.54	5.00
620	6.20	3.07	56.03	-6.52	1.82	3.07	1.83	5.00	2.48	18.05	105.58	0.00	105.58	28.07	1.89	0.00	4.00	0.86	0.97	2.51	28.23	-0.06	30.98	5.00
621	6.21	3.07	56.41	-6.52	1.84	3.07	1.84	5.00	2.48	18.06	105.76	0.00	105.76	28.02	1.90	0.00	4.00	0.86	0.96	2.52	28.18	-0.06	30.88	5.00
622	6.22	3.07	56.75	-6.52	1.85	3.07	1.85	5.00	2.48	18.06	105.94	0.00	105.94	27.97	1.92	0.00	4.00	0.86	0.96	2.52	28.14	-0.06	30.78	5.00
623	6.23	3.08	57.07	-6.42	1.85	3.08	1.85	5.00	2.48	18.07	106.12	0.00	106.12	28.01	1.92	0.00	4.00	0.86	0.96	2.52	28.19	-0.06	30.77	5.00
624	6.24	3.08	57.16	-6.42	1.86	3.08	1.86	5.00	2.48	18.07	106.30	0.00	106.30	27.96	1.92	0.00	4.00	0.86	0.96	2.52	28.15	-0.06	30.73	5.00
625	6.25	3.08	57.54	-6.42	1.87	3.08	1.87	5.00	2.48	18.08	106.48	0.00	106.48	27.91	1.94	0.00	4.00	0.86	0.96	2.52	28.10	-0.06	30.63	5.00
626	6.26	3.06	58.49	-6.33	1.91	3.06	1.91	5.00	2.49	18.10	106.66	0.00	106.66	27.68	1.98	0.00	4.00	0.87	0.96	2.53	27.87	-0.06	30.24	5.00
627	6.27	3.04	59.09	-6.42	1.94	3.04	1.94	5.00	2.50	18.11	106.84	0.00	106.84	27.44	2.02	0.00	4.00	0.87	0.95	2.54	27.63	-0.06	29.94	5.00
628	6.28	3.03	59.37	-6.42	1.96	3.03	1.96	4.00	2.50	18.11	107.02	0.00	107.02	27.30	2.03	0.00	4.00	0.87	0.95	2.54	27.49	-0.06	29.79	5.00
629	6.29	3.00	59.18	-6.33	1.98	3.00	1.97	4.00	2.51	18.10	107.20	0.00	107.20	26.97	2.05	0.00	4.00	0.87	0.95	2.55	27.16	-0.06	29.59	5.00
630	6.30	2.96	59.31	-6.33	2.00	2.96	2.00	4.00	2.52	18.10	107.39	0.00	107.39	26.55	2.08	0.00	4.00	0.88	0.95	2.56	26.74	-0.06	29.25	5.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
631	6.31	2.95	59.50	-6.33	2.02	2.95	2.02	4.00	2.52	18.10	107.57	0.00	107.57	26.41	2.09	0.00	4.00	0.88	0.95	2.56	26.60	-0.06	29.12	5.00
632	6.32	2.91	59.91	-6.23	2.06	2.91	2.06	4.00	2.53	18.11	107.75	0.00	107.75	26.00	2.14	0.00	4.00	0.88	0.95	2.57	26.18	-0.06	28.72	5.00
633	6.33	2.89	59.75	-6.23	2.07	2.89	2.07	4.00	2.53	18.10	107.93	0.00	107.93	25.76	2.15	0.00	4.00	0.88	0.95	2.58	25.95	-0.06	28.59	5.00
634	6.34	2.85	58.96	-6.23	2.07	2.85	2.07	4.00	2.54	18.08	108.11	0.00	108.11	25.35	2.15	0.00	4.00	0.89	0.94	2.58	25.54	-0.06	28.44	5.00
635	6.35	2.83	58.33	-6.23	2.06	2.83	2.06	4.00	2.54	18.06	108.29	0.00	108.29	25.12	2.14	0.00	4.00	0.89	0.94	2.58	25.31	-0.06	28.41	5.00
636	6.36	2.83	57.45	-6.23	2.03	2.83	2.03	4.00	2.54	18.05	108.47	0.00	108.47	25.08	2.11	0.00	4.00	0.89	0.94	2.58	25.27	-0.06	28.59	5.00
637	6.37	2.83	56.85	-6.13	2.01	2.83	2.01	4.00	2.53	18.03	108.65	0.00	108.65	25.03	2.09	0.00	4.00	0.89	0.94	2.58	25.23	-0.06	28.71	5.00
638	6.38	2.86	55.24	-6.13	1.93	2.86	1.93	4.00	2.52	18.01	108.83	0.00	108.83	25.27	2.01	0.00	4.00	0.88	0.94	2.56	25.48	-0.06	29.28	5.00
639	6.39	2.88	54.86	-6.13	1.91	2.88	1.91	4.00	2.51	18.00	109.01	0.00	109.01	25.41	1.98	0.00	4.00	0.88	0.94	2.56	25.63	-0.06	29.50	5.00
640	6.40	2.91	54.64	-6.13	1.88	2.91	1.88	4.00	2.51	18.00	109.19	0.00	109.19	25.64	1.95	0.00	4.00	0.88	0.94	2.55	25.88	-0.06	29.77	5.00
641	6.41	2.94	54.36	-6.04	1.85	2.94	1.85	5.00	2.50	18.00	109.37	0.00	109.37	25.87	1.92	0.00	4.00	0.87	0.94	2.54	26.12	-0.06	30.05	5.00
642	6.42	3.00	53.70	-6.04	1.79	3.00	1.79	5.00	2.48	17.99	109.55	0.00	109.55	26.37	1.86	0.00	4.00	0.87	0.93	2.53	26.65	-0.06	30.66	5.00
643	6.43	3.03	53.57	-6.04	1.77	3.03	1.77	5.00	2.48	17.99	109.73	0.00	109.73	26.60	1.84	0.00	4.00	0.87	0.93	2.52	26.89	-0.06	30.91	5.00
644	6.44	3.04	53.38	-5.94	1.75	3.04	1.76	5.00	2.47	17.99	109.91	0.00	109.91	26.65	1.82	0.00	4.00	0.86	0.93	2.52	26.94	-0.05	31.02	5.00
645	6.45	3.08	52.91	-5.94	1.72	3.08	1.72	5.00	2.46	17.98	110.09	0.00	110.09	26.97	1.78	0.00	4.00	0.86	0.93	2.51	27.28	-0.05	31.43	5.00
646	6.46	3.08	52.56	-5.94	1.71	3.08	1.71	5.00	2.46	17.98	110.27	0.00	110.27	26.92	1.77	0.00	5.00	0.86	0.93	2.51	27.24	-0.05	31.50	5.00
647	6.47	3.08	52.59	-5.94	1.71	3.08	1.71	5.00	2.46	17.98	110.45	0.00	110.45	26.87	1.77	0.00	4.00	0.86	0.93	2.51	27.20	-0.05	31.47	5.00
648	6.48	3.05	52.72	-5.94	1.73	3.05	1.73	5.00	2.47	17.98	110.63	0.00	110.63	26.56	1.79	0.00	4.00	0.86	0.93	2.52	26.88	-0.05	31.19	5.00
649	6.49	3.04	52.81	-5.94	1.74	3.04	1.74	5.00	2.47	17.98	110.81	0.00	110.81	26.42	1.80	0.00	4.00	0.86	0.93	2.52	26.74	-0.05	31.08	5.00
650	6.50	3.03	52.75	-5.85	1.74	3.03	1.74	5.00	2.47	17.97	110.99	0.00	110.99	26.29	1.81	0.00	4.00	0.87	0.92	2.52	26.61	-0.05	31.00	5.00
651	6.51	3.03	53.00	-5.85	1.75	3.03	1.75	5.00	2.47	17.98	111.17	0.00	111.17	26.24	1.82	0.00	4.00	0.87	0.92	2.52	26.57	-0.05	30.92	5.00
652	6.52	3.05	53.47	-5.85	1.75	3.05	1.75	5.00	2.47	17.99	111.35	0.00	111.35	26.38	1.82	0.00	4.00	0.87	0.92	2.52	26.72	-0.05	30.95	5.00
653	6.53	3.04	53.57	-5.75	1.76	3.04	1.76	5.00	2.47	17.99	111.53	0.00	111.53	26.25	1.83	0.00	4.00	0.87	0.92	2.53	26.58	-0.05	30.83	5.00
654	6.54	3.02	53.54	-5.75	1.77	3.02	1.77	5.00	2.48	17.99	111.71	0.00	111.71	26.02	1.84	0.00	4.00	0.87	0.92	2.53	26.36	-0.05	30.67	5.00
655	6.55	3.00	53.19	-5.85	1.78	3.00	1.77	5.00	2.48	17.98	111.89	0.00	111.89	25.80	1.84	0.00	4.00	0.87	0.92	2.53	26.13	-0.05	30.58	5.00
656	6.56	2.93	53.19	-5.75	1.81	2.93	1.82	5.00	2.49	17.97	112.07	0.00	112.07	25.13	1.89	0.00	4.00	0.88	0.92	2.55	25.45	-0.05	30.03	5.00
657	6.57	2.89	52.84	-5.85	1.83	2.89	1.83	5.00	2.50	17.96	112.25	0.00	112.25	24.74	1.90	0.00	4.00	0.88	0.91	2.56	25.04	-0.05	29.78	5.00
658	6.58	2.84	52.72	-5.75	1.86	2.84	1.86	4.00	2.51	17.95	112.43	0.00	112.43	24.25	1.93	0.00	4.00	0.88	0.91	2.57	24.54	-0.05	29.41	5.00
659	6.59	2.74	52.37	-5.85	1.91	2.74	1.91	4.00	2.53	17.93	112.61	0.00	112.61	23.32	1.99	0.00	4.00	0.89	0.91	2.59	23.59	-0.05	28.70	5.00
660	6.60	2.69	52.28	-5.75	1.95	2.69	1.94	4.00	2.54	17.92	112.79	0.00	112.79	22.84	2.03	0.00	4.00	0.90	0.91	2.60	23.09	-0.05	28.32	5.00
661	6.61	2.65	52.18	-5.85	1.97	2.65	1.97	4.00	2.55	17.91	112.96	0.00	112.96	22.45	2.06	0.00	4.00	0.90	0.91	2.61	22.69	-0.05	28.01	5.00
662	6.62	2.63	52.47	-5.85	2.00	2.63	2.00	4.00	2.56	17.91	113.14	0.00	113.14	22.23	2.09	0.00	4.00	0.90	0.91	2.62	22.47	-0.05	27.78	5.00
663	6.63	2.62	52.94	-5.75	2.02	2.62	2.02	4.00	2.56	17.92	113.32	0.00	113.32	22.11	2.11	0.00	4.00	0.91	0.90	2.62	22.34	-0.05	27.59	5.00
664	6.64	2.58	53.54	-5.75	2.08	2.58	2.08	4.00	2.57	17.93	113.50	0.00	113.50	21.72	2.17	0.00	4.00	0.91	0.90	2.64	21.94	-0.05	27.15	5.00
665	6.65	2.40	54.67	-5.94	2.28	2.40	2.28	4.00	2.62	17.93	113.68	0.00	113.68	20.10	2.39	0.00	4.00	0.93	0.90	2.69	20.26	-0.05	25.54	5.00
666	6.66	2.28	55.46	-5.94	2.43	2.28	2.43	4.00	2.66	17.92	113.86	0.00	113.86	19.01	2.56	0.00	4.00	0.95	0.90	2.73	19.13	-0.05	24.48	5.00
667	6.67	2.09	57.45	-5.85	2.75	2.09	2.75	4.00	2.72	17.93	114.04	0.00	114.04	17.32	2.91	0.00	4.00	0.97	0.89	2.79	17.38	-0.05	22.71	5.00
668	6.68	2.03	58.87	-5.94	2.89	2.03	2.90	4.00	2.74	17.95	114.22	0.00	114.22	16.76	3.07	0.00	4.00	0.98	0.89	2.82	16.80	-0.05	22.03	5.00
669	6.69	1.95	62.05	-5.46	3.17	1.95	3.18	4.00	2.78	17.99	114.40	0.00	114.40	16.04	3.38	0.00	3.00	1.00	0.89	2.86	16.04	-0.05	20.96	3.00
670	6.70	1.86	64.76	-5.27	3.47	1.86	3.48	3.00	2.82	18.02	114.58	0.00	114.58	15.22	3.71	0.00	3.00	1.00	0.88	2.90	15.22	-0.05	19.94	3.00
671	6.71	1.71	67.41	-5.27	3.93	1.71	3.94	3.00	2.89	18.04	114.76	0.00	114.76	13.89	4.23	0.00	3.00	1.00	0.88	2.97	13.89	-0.05	18.56	3.00
672	6.72	1.53	71.98	-2.88	4.71	1.53	4.71	3.00	2.97	18.07	114.94	0.00	114.94	12.31	5.09	0.00	3.00	1.00	0.88	3.06	12.31	-0.03	16.82	3.00
673	6.73	1.53	74.16	-2.49	4.86	1.53	4.85	3.00	2.98	18.10	115.12	0.00	115.12	12.29	5.24	0.00	3.00	1.00	0.88	3.07	12.29	-0.02	16.58	3.00
674	6.74	1.60	74.41	-1.92	4.64	1.60	4.65	3.00	2.95	18.13	115.30	0.00	115.30	12.87	5.01	0.00	3.00	1.00	0.88	3.04	12.87	-0.02	17.00	3.00
675	6.75	1.81	74.88	-0.77	4.14	1.81	4.14	3.00	2.88	18.18	115.48	0.00	115.48	14.67	4.42	0.00	3.00	1.00	0.88	2.96	14.67	-0.01	18.30	3.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
676	6.76	1.85	74.76	0.19	4.03	1.85	4.04	3.00	2.87	18.19	115.67	0.00	115.67	14.99	4.31	0.00	3.00	1.00	0.88	2.95	14.99	0.00	18.56	3.00
677	6.77	2.01	71.16	0.00	3.54	2.01	3.54	4.00	2.80	18.16	115.85	0.00	115.85	16.35	3.76	0.00	3.00	1.00	0.87	2.88	16.35	0.00	20.05	3.00
678	6.78	1.99	70.15	-0.10	3.52	1.99	3.53	4.00	2.80	18.14	116.03	0.00	116.03	16.15	3.74	0.00	3.00	1.00	0.87	2.89	16.15	0.00	20.05	3.00
679	6.79	1.82	68.74	-0.29	3.77	1.82	3.78	3.00	2.85	18.08	116.21	0.00	116.21	14.66	4.03	0.00	3.00	1.00	0.87	2.94	14.66	0.00	19.09	3.00
680	6.80	1.70	67.69	-0.29	3.97	1.70	3.98	3.00	2.89	18.04	116.39	0.00	116.39	13.61	4.27	0.00	3.00	1.00	0.87	2.98	13.61	0.00	18.42	3.00
681	6.81	1.59	66.56	-0.38	4.20	1.59	4.19	3.00	2.93	17.99	116.57	0.00	116.57	12.64	4.52	0.00	3.00	1.00	0.87	3.02	12.64	0.00	17.81	3.00
682	6.82	1.50	65.83	-0.48	4.39	1.50	4.39	3.00	2.96	17.96	116.75	0.00	116.75	11.85	4.76	0.00	3.00	1.00	0.87	3.06	11.85	0.00	17.29	2.00
683	6.83	1.38	67.32	-0.48	4.87	1.38	4.88	3.00	3.02	17.95	116.93	0.00	116.93	10.80	5.33	0.00	3.00	1.00	0.87	3.12	10.80	0.00	16.31	2.00
684	6.84	1.32	68.70	-0.38	5.19	1.32	5.20	3.00	3.05	17.96	117.11	0.00	117.11	10.27	5.71	0.00	3.00	1.00	0.87	3.15	10.27	0.00	15.75	2.00
685	6.85	1.29	68.55	-0.29	5.33	1.29	5.31	3.00	3.06	17.95	117.29	0.00	117.29	10.00	5.85	0.00	3.00	1.00	0.86	3.17	10.00	0.00	15.57	2.00
686	6.86	1.28	64.70	0.29	5.07	1.28	5.05	3.00	3.05	17.88	117.47	0.00	117.47	9.90	5.57	0.00	3.00	1.00	0.86	3.16	9.90	0.00	15.91	2.00
687	6.87	1.27	61.29	0.38	4.84	1.27	4.83	3.00	3.04	17.81	117.65	0.00	117.65	9.80	5.32	0.00	3.00	1.00	0.86	3.15	9.80	0.00	16.21	2.00
688	6.88	1.28	58.74	0.58	4.60	1.28	4.59	3.00	3.02	17.77	117.82	0.00	117.82	9.86	5.05	0.00	3.00	1.00	0.86	3.14	9.86	0.00	16.57	2.00
689	6.89	1.28	58.11	0.77	4.55	1.28	4.54	3.00	3.02	17.76	118.00	0.00	118.00	9.85	5.00	0.00	3.00	1.00	0.86	3.13	9.85	0.01	16.65	2.00
690	6.90	1.31	56.88	1.15	4.33	1.31	4.34	3.00	3.00	17.74	118.18	0.00	118.18	10.09	4.77	0.00	3.00	1.00	0.86	3.11	10.09	0.01	17.00	2.00
691	6.91	1.38	57.32	1.34	4.14	1.38	4.15	3.00	2.97	17.77	118.36	0.00	118.36	10.66	4.54	0.00	3.00	1.00	0.86	3.08	10.66	0.01	17.45	2.00
692	6.92	1.38	57.32	1.34	4.14	1.38	4.15	3.00	2.97	17.77	118.53	0.00	118.53	10.64	4.54	0.00	3.00	1.00	0.85	3.08	10.64	0.01	17.44	2.00
693	6.93	1.38	57.32	1.34	4.14	1.38	4.15	3.00	2.97	17.77	118.71	0.00	118.71	10.63	4.54	0.00	3.00	1.00	0.85	3.08	10.63	0.01	17.44	2.00
694	6.94	2.16	63.75	13.32	2.95	2.16	2.95	4.00	2.73	18.06	118.89	0.00	118.89	17.19	3.12	0.01	4.00	0.98	0.85	2.82	17.24	0.11	22.01	3.00
695	6.95	2.17	66.72	14.95	3.08	2.17	3.07	4.00	2.74	18.12	119.07	0.00	119.07	17.25	3.25	0.01	4.00	0.99	0.85	2.83	17.29	0.13	21.63	3.00
696	6.96	2.17	67.10	14.28	3.09	2.17	3.09	4.00	2.74	18.12	119.25	0.00	119.25	17.22	3.27	0.01	3.00	0.99	0.85	2.83	17.26	0.12	21.57	3.00
697	6.97	2.13	67.95	12.65	3.20	2.13	3.19	4.00	2.75	18.13	119.44	0.00	119.44	16.86	3.38	0.01	3.00	0.99	0.85	2.84	16.88	0.11	21.17	3.00
698	6.98	1.90	68.23	9.30	3.59	1.90	3.59	3.00	2.82	18.09	119.62	0.00	119.62	14.90	3.83	0.01	3.00	1.00	0.85	2.92	14.90	0.08	19.60	3.00
699	6.99	1.77	68.29	7.38	3.86	1.77	3.85	3.00	2.87	18.07	119.80	0.00	119.80	13.79	4.13	0.00	3.00	1.00	0.85	2.97	13.79	0.06	18.73	3.00
700	7.00	1.56	69.08	3.07	4.43	1.56	4.43	3.00	2.95	18.03	119.98	0.00	119.98	12.01	4.79	0.00	3.00	1.00	0.84	3.05	12.01	0.03	17.25	3.00
701	7.01	1.50	69.21	3.83	4.63	1.50	4.61	3.00	2.97	18.02	120.16	0.00	120.16	11.49	5.01	0.00	3.00	1.00	0.84	3.08	11.49	0.03	16.84	2.00
702	7.02	1.45	70.25	4.22	4.85	1.45	4.84	3.00	3.00	18.02	120.34	0.00	120.34	11.06	5.28	0.00	3.00	1.00	0.84	3.11	11.06	0.04	16.40	2.00
703	7.03	1.49	73.28	4.70	4.92	1.49	4.91	3.00	2.99	18.08	120.52	0.00	120.52	11.37	5.35	0.00	3.00	1.00	0.84	3.10	11.37	0.04	16.34	2.00
704	7.04	1.65	73.50	5.56	4.45	1.65	4.45	3.00	2.93	18.12	120.70	0.00	120.70	12.68	4.80	0.00	3.00	1.00	0.84	3.04	12.68	0.05	17.33	3.00
705	7.05	2.41	67.98	12.56	2.82	2.41	2.82	4.00	2.68	18.18	120.88	0.00	120.88	18.96	2.97	0.01	4.00	0.96	0.84	2.77	19.08	0.10	22.97	5.00
706	7.06	2.88	65.11	13.03	2.26	2.88	2.26	4.00	2.56	18.20	121.06	0.00	121.06	22.81	2.36	0.00	4.00	0.92	0.85	2.64	23.16	0.11	26.61	5.00
707	7.07	3.27	62.68	13.23	1.92	3.27	1.92	5.00	2.47	18.20	121.25	0.00	121.25	25.99	1.99	0.00	4.00	0.88	0.85	2.55	26.56	0.11	29.76	5.00
708	7.08	3.64	58.27	13.13	1.60	3.64	1.60	5.00	2.39	18.16	121.43	0.00	121.43	29.00	1.65	0.00	5.00	0.85	0.86	2.46	29.81	0.11	33.36	7.00
709	7.09	3.66	56.28	13.03	1.54	3.66	1.54	5.00	2.37	18.12	121.61	0.00	121.61	29.12	1.59	0.00	5.00	0.84	0.86	2.45	29.97	0.11	33.98	7.00
710	7.10	3.65	53.51	13.03	1.47	3.65	1.46	5.00	2.36	18.06	121.79	0.00	121.79	28.99	1.52	0.00	5.00	0.84	0.86	2.44	29.86	0.11	34.59	7.00
711	7.11	3.57	49.63	12.84	1.39	3.57	1.39	5.00	2.36	17.97	121.97	0.00	121.97	28.29	1.44	0.00	5.00	0.84	0.86	2.43	29.16	0.11	34.98	7.00
712	7.12	3.48	48.21	12.75	1.39	3.48	1.38	5.00	2.36	17.92	122.15	0.00	122.15	27.51	1.43	0.00	5.00	0.84	0.85	2.44	28.34	0.10	34.65	7.00
713	7.13	3.36	46.98	12.65	1.40	3.36	1.40	5.00	2.38	17.88	122.33	0.00	122.33	26.49	1.45	0.00	5.00	0.85	0.85	2.46	27.26	0.10	34.02	6.00
714	7.14	3.06	45.25	12.46	1.48	3.06	1.48	5.00	2.43	17.80	122.51	0.00	122.51	24.00	1.54	0.00	5.00	0.87	0.85	2.51	24.61	0.10	32.08	6.00
715	7.15	2.92	45.59	12.36	1.56	2.92	1.56	5.00	2.46	17.79	122.68	0.00	122.68	22.82	1.63	0.00	4.00	0.88	0.85	2.54	23.35	0.10	30.88	4.00
716	7.16	2.70	46.95	12.17	1.74	2.70	1.74	5.00	2.51	17.80	122.86	0.00	122.86	21.00	1.82	0.00	4.00	0.90	0.84	2.60	21.40	0.10	28.82	4.00
717	7.17	2.58	48.78	12.08	1.89	2.58	1.89	4.00	2.55	17.82	123.04	0.00	123.04	19.99	1.98	0.00	4.00	0.92	0.84	2.64	20.31	0.10	27.49	4.00
718	7.18	2.46	51.87	12.08	2.11	2.46	2.11	4.00	2.59	17.88	123.22	0.00	123.22	18.99	2.22	0.01	4.00	0.94	0.83	2.69	19.23	0.10	25.95	4.00
719	7.19	2.27	57.48	11.98	2.53	2.27	2.53	4.00	2.67	17.96	123.40	0.00	123.40	17.42	2.67	0.01	4.00	0.97	0.83	2.77	17.53	0.10	23.55	5.00
720	7.20	2.27	59.21	12.08	2.61	2.27	2.61	4.00	2.68	18.00	123.58	0.00	123.58	17.39	2.76	0.01	4.00	0.97	0.82	2.78	17.50	0.10	23.26	5.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
721	7.21	2.31	62.52	12.46	2.70	2.31	2.70	4.00	2.68	18.07	123.76	0.00	123.76	17.69	2.86	0.01	4.00	0.97	0.82	2.78	17.79	0.10	23.00	5.00
722	7.22	2.38	64.16	12.75	2.69	2.38	2.69	4.00	2.67	18.11	123.94	0.00	123.94	18.22	2.84	0.01	4.00	0.97	0.82	2.77	18.35	0.10	23.21	5.00
723	7.23	2.45	71.13	12.75	2.91	2.45	2.90	4.00	2.68	18.24	124.12	0.00	124.12	18.76	3.05	0.01	4.00	0.97	0.82	2.78	18.87	0.10	22.62	5.00
724	7.24	2.43	73.62	12.65	3.03	2.43	3.03	4.00	2.69	18.27	124.30	0.00	124.30	18.57	3.19	0.01	4.00	0.98	0.82	2.79	18.66	0.10	22.13	5.00
725	7.25	2.33	76.18	12.46	3.27	2.33	3.27	4.00	2.73	18.30	124.49	0.00	124.49	17.74	3.45	0.01	3.00	0.99	0.82	2.83	17.77	0.10	21.15	3.00
726	7.26	1.99	80.02	12.17	4.03	1.99	4.02	3.00	2.84	18.29	124.67	0.00	124.67	14.98	4.28	0.01	3.00	1.00	0.81	2.95	14.98	0.10	18.62	3.00
727	7.27	1.84	79.27	12.08	4.31	1.84	4.30	3.00	2.88	18.25	124.85	0.00	124.85	13.76	4.61	0.01	3.00	1.00	0.81	3.00	13.76	0.10	17.80	3.00
728	7.28	1.52	77.53	11.79	5.11	1.52	5.09	3.00	3.00	18.15	125.03	0.00	125.03	11.18	5.55	0.01	3.00	1.00	0.81	3.12	11.18	0.09	16.04	2.00
729	7.29	1.42	76.93	11.69	5.44	1.42	5.41	3.00	3.03	18.12	125.22	0.00	125.22	10.36	5.93	0.01	3.00	1.00	0.81	3.16	10.36	0.09	15.49	2.00
730	7.30	1.32	77.22	11.69	5.83	1.32	5.84	3.00	3.08	18.10	125.40	0.00	125.40	9.55	6.45	0.01	3.00	1.00	0.81	3.21	9.55	0.09	14.85	2.00
731	7.31	1.27	77.47	11.60	6.12	1.27	6.09	3.00	3.10	18.08	125.58	0.00	125.58	9.13	6.75	0.01	3.00	1.00	0.81	3.24	9.13	0.09	14.53	2.00
732	7.32	1.14	78.89	11.60	6.93	1.14	6.91	3.00	3.18	18.06	125.76	0.00	125.76	8.08	7.76	0.01	3.00	1.00	0.81	3.32	8.08	0.09	13.62	2.00
733	7.33	1.04	80.09	11.60	7.69	1.04	7.68	3.00	3.24	18.05	125.94	0.00	125.94	7.28	8.74	0.01	3.00	1.00	0.80	3.39	7.28	0.09	12.93	2.00
734	7.34	0.93	81.38	11.60	8.71	0.93	8.73	3.00	3.31	18.02	126.12	0.00	126.12	6.39	10.09	0.01	2.00	1.00	0.80	3.47	6.39	0.09	12.19	1.00
735	7.35	0.79	79.74	11.88	10.09	0.79	10.06	2.00	3.40	17.94	126.30	0.00	126.30	5.27	11.97	0.02	2.00	1.00	0.80	3.58	5.27	0.09	11.47	1.00
736	7.36	0.78	75.73	11.88	9.71	0.78	9.68	3.00	3.40	17.87	126.48	0.00	126.48	5.19	11.54	0.02	2.00	1.00	0.80	3.58	5.19	0.09	11.69	1.00
737	7.37	0.81	66.12	12.08	8.20	0.81	8.14	3.00	3.34	17.73	126.65	0.00	126.65	5.42	9.64	0.02	2.00	1.00	0.80	3.51	5.42	0.10	12.61	2.00
738	7.38	0.83	62.05	12.17	7.45	0.83	7.45	3.00	3.30	17.67	126.83	0.00	126.83	5.56	8.79	0.02	2.00	1.00	0.80	3.48	5.56	0.10	13.09	2.00
739	7.39	0.90	55.30	12.36	6.16	0.90	6.13	3.00	3.22	17.56	127.01	0.00	127.01	6.11	7.13	0.02	3.00	1.00	0.80	3.39	6.11	0.10	14.19	2.00
740	7.40	0.93	51.74	12.56	5.54	0.93	5.55	3.00	3.18	17.50	127.18	0.00	127.18	6.33	6.42	0.02	3.00	1.00	0.80	3.35	6.33	0.10	14.76	2.00
741	7.41	0.97	48.62	12.65	5.00	0.97	5.00	3.00	3.14	17.45	127.36	0.00	127.36	6.64	5.75	0.01	3.00	1.00	0.80	3.31	6.64	0.10	15.38	2.00
742	7.42	1.01	43.04	12.75	4.26	1.01	4.25	3.00	3.09	17.32	127.53	0.00	127.53	6.94	4.86	0.01	3.00	1.00	0.79	3.25	6.94	0.10	16.33	2.00
743	7.43	1.01	40.86	12.75	4.03	1.01	4.03	3.00	3.07	17.26	127.70	0.00	127.70	6.93	4.62	0.01	3.00	1.00	0.79	3.23	6.93	0.10	16.60	2.00
744	7.44	1.03	37.55	12.84	3.66	1.03	3.64	3.00	3.04	17.17	127.87	0.00	127.87	7.08	4.15	0.01	3.00	1.00	0.79	3.20	7.08	0.10	17.19	2.00
745	7.45	1.04	36.67	12.94	3.52	1.04	3.52	3.00	3.03	17.15	128.05	0.00	128.05	7.14	4.01	0.01	3.00	1.00	0.79	3.19	7.14	0.10	17.38	2.00
746	7.46	1.06	36.23	13.03	3.41	1.06	3.41	3.00	3.01	17.14	128.22	0.00	128.22	7.29	3.88	0.01	3.00	1.00	0.79	3.17	7.29	0.10	17.60	2.00
747	7.47	1.10	33.96	13.23	3.09	1.10	3.08	3.00	2.97	17.08	128.39	0.00	128.39	7.59	3.49	0.01	3.00	1.00	0.79	3.13	7.59	0.10	18.24	2.00
748	7.48	1.11	31.81	13.32	2.88	1.11	2.86	3.00	2.95	17.01	128.56	0.00	128.56	7.66	3.23	0.01	3.00	1.00	0.79	3.11	7.66	0.10	18.64	2.00
749	7.49	1.13	30.08	13.32	2.67	1.13	2.66	3.00	2.93	16.95	128.73	0.00	128.73	7.80	3.00	0.01	3.00	1.00	0.79	3.09	7.80	0.10	19.06	2.00
750	7.50	1.16	30.46	13.42	2.63	1.16	2.62	3.00	2.91	16.98	128.90	0.00	128.90	8.02	2.95	0.01	3.00	1.00	0.79	3.07	8.02	0.10	19.25	2.00
751	7.51	1.14	30.65	13.42	2.69	1.14	2.68	3.00	2.93	16.98	129.07	0.00	129.07	7.85	3.02	0.01	3.00	1.00	0.79	3.09	7.85	0.10	19.05	2.00
752	7.52	1.10	30.52	13.42	2.77	1.10	2.77	3.00	2.95	16.96	129.24	0.00	129.24	7.53	3.13	0.01	3.00	1.00	0.78	3.11	7.53	0.10	18.73	2.00
753	7.53	1.09	29.07	13.71	2.66	1.09	2.66	3.00	2.94	16.90	129.41	0.00	129.41	7.45	3.02	0.01	3.00	1.00	0.78	3.10	7.45	0.11	18.87	2.00
754	7.54	1.21	28.82	14.38	2.38	1.21	2.38	4.00	2.88	16.93	129.57	0.00	129.57	8.36	2.66	0.01	3.00	1.00	0.78	3.03	8.36	0.11	19.91	2.00
755	7.55	1.40	29.98	14.66	2.14	1.40	2.14	4.00	2.80	17.03	129.74	0.00	129.74	9.81	2.35	0.01	3.00	1.00	0.78	2.95	9.81	0.11	21.28	2.00
756	7.56	1.89	32.66	15.43	1.73	1.89	1.73	4.00	2.64	17.24	129.92	0.00	129.92	13.57	1.85	0.01	4.00	0.97	0.79	2.77	13.68	0.12	24.84	4.00
757	7.57	2.14	34.40	15.62	1.61	2.14	1.61	4.00	2.58	17.35	130.09	0.00	130.09	15.48	1.71	0.01	4.00	0.94	0.79	2.70	15.70	0.12	26.54	4.00
758	7.58	2.56	37.30	15.72	1.46	2.56	1.46	5.00	2.49	17.51	130.27	0.00	130.27	18.68	1.53	0.01	4.00	0.91	0.80	2.60	19.13	0.12	29.33	4.00
759	7.59	2.65	37.21	15.72	1.40	2.65	1.40	5.00	2.47	17.52	130.44	0.00	130.44	19.34	1.47	0.01	4.00	0.90	0.80	2.58	19.85	0.12	30.07	4.00
760	7.60	2.85	36.35	15.81	1.27	2.85	1.27	5.00	2.42	17.52	130.62	0.00	130.62	20.85	1.34	0.01	5.00	0.88	0.80	2.53	21.51	0.12	31.92	4.00
761	7.61	2.92	34.62	15.72	1.19	2.92	1.18	5.00	2.39	17.48	130.79	0.00	130.79	21.35	1.24	0.01	5.00	0.87	0.80	2.50	22.09	0.12	32.95	6.00
762	7.62	3.02	34.02	15.72	1.13	3.02	1.13	5.00	2.37	17.47	130.97	0.00	130.97	22.08	1.18	0.01	5.00	0.86	0.80	2.47	22.91	0.12	33.95	6.00
763	7.63	3.08	34.78	15.62	1.13	3.08	1.13	5.00	2.36	17.50	131.14	0.00	131.14	22.51	1.18	0.01	5.00	0.85	0.80	2.47	23.37	0.12	34.22	6.00
764	7.64	3.12	35.75	15.62	1.14	3.12	1.14	5.00	2.36	17.54	131.32	0.00	131.32	22.78	1.19	0.01	5.00	0.85	0.80	2.46	23.66	0.12	34.25	6.00
765	7.65	3.17	37.30	15.53	1.18	3.17	1.18	5.00	2.36	17.59	131.49	0.00	131.49	23.13	1.23	0.01	5.00	0.85	0.80	2.47	24.03	0.12	34.21	6.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
766	7.66	3.19	37.49	15.53	1.18	3.19	1.17	5.00	2.36	17.60	131.67	0.00	131.67	23.25	1.22	0.01	5.00	0.85	0.80	2.46	24.16	0.12	34.30	6.00
767	7.67	3.25	38.94	15.43	1.20	3.25	1.20	5.00	2.35	17.65	131.84	0.00	131.84	23.67	1.25	0.00	5.00	0.85	0.80	2.46	24.61	0.12	34.37	6.00
768	7.68	3.29	40.36	15.43	1.23	3.29	1.23	5.00	2.35	17.70	132.02	0.00	132.02	23.94	1.28	0.00	5.00	0.85	0.80	2.46	24.89	0.12	34.28	6.00
769	7.69	3.32	40.71	15.43	1.23	3.32	1.23	5.00	2.35	17.71	132.20	0.00	132.20	24.14	1.28	0.00	5.00	0.85	0.80	2.46	25.11	0.12	34.41	6.00
770	7.70	3.30	43.42	15.53	1.32	3.30	1.31	5.00	2.37	17.78	132.38	0.00	132.38	23.95	1.37	0.00	5.00	0.86	0.79	2.48	24.87	0.12	33.51	6.00
771	7.71	3.27	47.86	15.53	1.46	3.27	1.46	5.00	2.40	17.89	132.56	0.00	132.56	23.69	1.52	0.00	5.00	0.87	0.79	2.51	24.53	0.12	32.15	6.00
772	7.72	3.36	52.72	15.62	1.57	3.36	1.57	5.00	2.41	18.01	132.74	0.00	132.74	24.34	1.63	0.00	5.00	0.87	0.79	2.52	25.18	0.12	31.67	4.00
773	7.73	3.66	61.26	15.91	1.67	3.66	1.67	5.00	2.40	18.22	132.92	0.00	132.92	26.56	1.74	0.00	5.00	0.87	0.79	2.50	27.53	0.12	31.87	5.00
774	7.74	3.76	61.89	15.91	1.65	3.76	1.64	5.00	2.38	18.24	133.10	0.00	133.10	27.27	1.70	0.00	5.00	0.86	0.79	2.49	28.31	0.12	32.39	7.00
775	7.75	3.79	63.00	15.91	1.66	3.79	1.66	5.00	2.38	18.27	133.28	0.00	133.28	27.46	1.72	0.00	5.00	0.86	0.79	2.49	28.51	0.12	32.34	7.00
776	7.76	3.77	66.81	15.91	1.77	3.77	1.77	5.00	2.40	18.33	133.47	0.00	133.47	27.27	1.84	0.00	4.00	0.87	0.79	2.51	28.26	0.12	31.39	5.00
777	7.77	3.74	67.79	15.81	1.81	3.74	1.81	5.00	2.41	18.34	133.65	0.00	133.65	27.01	1.88	0.00	4.00	0.87	0.78	2.52	27.96	0.12	30.99	5.00
778	7.78	3.64	67.76	15.81	1.86	3.64	1.86	5.00	2.43	18.33	133.83	0.00	133.83	26.22	1.93	0.00	4.00	0.88	0.78	2.53	27.10	0.12	30.33	5.00
779	7.79	3.58	67.88	15.72	1.89	3.58	1.89	5.00	2.44	18.33	134.02	0.00	134.02	25.74	1.97	0.00	4.00	0.89	0.78	2.54	26.57	0.12	29.91	5.00
780	7.80	3.53	68.07	15.72	1.93	3.53	1.93	5.00	2.45	18.33	134.20	0.00	134.20	25.33	2.00	0.00	4.00	0.89	0.78	2.56	26.12	0.12	29.53	5.00
781	7.81	3.44	68.96	15.72	2.00	3.44	2.00	5.00	2.46	18.33	134.38	0.00	134.38	24.62	2.08	0.00	4.00	0.90	0.78	2.58	25.34	0.12	28.78	5.00
782	7.82	3.40	69.65	15.62	2.05	3.40	2.05	5.00	2.47	18.34	134.57	0.00	134.57	24.29	2.13	0.00	4.00	0.90	0.77	2.59	24.97	0.12	28.38	5.00
783	7.83	3.32	70.69	15.62	2.13	3.32	2.13	5.00	2.49	18.35	134.75	0.00	134.75	23.66	2.22	0.00	4.00	0.91	0.77	2.61	24.28	0.12	27.68	5.00
784	7.84	3.11	71.38	15.43	2.30	3.11	2.29	4.00	2.54	18.33	134.93	0.00	134.93	22.07	2.40	0.01	4.00	0.93	0.77	2.65	22.53	0.11	26.24	5.00
785	7.85	2.96	70.12	15.24	2.37	2.96	2.37	4.00	2.56	18.29	135.12	0.00	135.12	20.93	2.48	0.01	4.00	0.94	0.76	2.68	21.30	0.11	25.49	5.00
786	7.86	2.55	66.05	15.05	2.59	2.55	2.59	4.00	2.64	18.17	135.30	0.00	135.30	17.87	2.73	0.01	4.00	0.97	0.76	2.77	18.02	0.11	23.50	5.00
787	7.87	2.32	63.72	14.86	2.75	2.32	2.74	4.00	2.68	18.09	135.48	0.00	135.48	16.15	2.91	0.01	4.00	0.99	0.75	2.82	16.19	0.11	22.35	5.00
788	7.88	1.92	63.63	14.57	3.32	1.92	3.31	4.00	2.80	18.02	135.66	0.00	135.66	13.18	3.56	0.01	3.00	1.00	0.75	2.94	13.18	0.11	19.82	2.00
789	7.89	1.75	64.83	14.38	3.71	1.75	3.70	3.00	2.86	18.00	135.84	0.00	135.84	11.91	4.01	0.01	3.00	1.00	0.75	3.01	11.91	0.11	18.61	2.00
790	7.90	1.61	66.15	14.28	4.11	1.61	4.10	3.00	2.92	17.99	136.02	0.00	136.02	10.86	4.48	0.01	3.00	1.00	0.74	3.07	10.86	0.10	17.58	2.00
791	7.91	1.46	68.86	14.38	4.72	1.46	4.71	3.00	2.99	18.00	136.20	0.00	136.20	9.74	5.19	0.01	3.00	1.00	0.74	3.15	9.74	0.11	16.38	2.00
792	7.92	1.46	68.86	14.38	4.72	1.46	4.71	3.00	2.99	18.00	136.38	0.00	136.38	9.73	5.19	0.01	3.00	1.00	0.74	3.15	9.73	0.11	16.37	2.00
793	7.93	1.46	68.86	14.38	4.72	1.46	4.71	3.00	2.99	18.00	136.56	0.00	136.56	9.71	5.19	0.01	3.00	1.00	0.74	3.15	9.71	0.11	16.37	2.00
794	7.94	1.68	62.11	11.21	3.69	1.68	3.69	3.00	2.87	17.94	136.74	0.00	136.74	11.30	4.02	0.01	3.00	1.00	0.74	3.03	11.30	0.08	18.46	2.00
795	7.95	1.66	63.15	11.50	3.80	1.66	3.80	3.00	2.89	17.95	136.92	0.00	136.92	11.14	4.14	0.01	3.00	1.00	0.74	3.04	11.14	0.08	18.21	2.00
796	7.96	1.67	61.67	11.60	3.70	1.67	3.69	3.00	2.87	17.93	137.10	0.00	137.10	11.20	4.02	0.01	3.00	1.00	0.74	3.03	11.20	0.08	18.44	2.00
797	7.97	1.74	60.76	11.88	3.50	1.74	3.49	3.00	2.85	17.93	137.28	0.00	137.28	11.69	3.79	0.01	3.00	1.00	0.74	3.00	11.69	0.09	18.99	2.00
798	7.98	2.03	58.39	12.08	2.87	2.03	2.87	4.00	2.74	17.94	137.46	0.00	137.46	13.79	3.08	0.01	3.00	1.00	0.74	2.89	13.79	0.09	21.15	2.00
799	7.99	2.19	57.76	11.98	2.64	2.19	2.63	4.00	2.69	17.95	137.63	0.00	137.63	14.93	2.81	0.01	4.00	1.00	0.74	2.84	14.93	0.09	22.27	4.00
800	8.00	2.33	57.20	11.98	2.46	2.33	2.45	4.00	2.65	17.97	137.81	0.00	137.81	15.93	2.61	0.01	4.00	0.98	0.74	2.79	16.01	0.09	23.28	4.00
801	8.01	2.40	56.63	12.08	2.36	2.40	2.36	4.00	2.63	17.97	137.99	0.00	137.99	16.41	2.50	0.01	4.00	0.97	0.74	2.77	16.54	0.09	23.83	4.00
802	8.02	2.47	55.18	12.17	2.24	2.47	2.23	4.00	2.61	17.95	138.17	0.00	138.17	16.89	2.36	0.01	4.00	0.96	0.74	2.75	17.08	0.09	24.53	4.00
803	8.03	2.53	52.59	12.17	2.08	2.53	2.08	4.00	2.58	17.90	138.35	0.00	138.35	17.31	2.20	0.01	4.00	0.95	0.74	2.72	17.55	0.09	25.38	4.00
804	8.04	2.55	51.30	12.27	2.01	2.55	2.01	4.00	2.57	17.88	138.53	0.00	138.53	17.43	2.13	0.01	4.00	0.95	0.74	2.71	17.70	0.09	25.74	4.00
805	8.05	2.61	49.79	12.27	1.91	2.61	1.91	4.00	2.55	17.85	138.71	0.00	138.71	17.83	2.01	0.00	4.00	0.94	0.74	2.69	18.17	0.09	26.43	4.00
806	8.06	2.64	49.16	12.27	1.86	2.64	1.86	4.00	2.54	17.84	138.89	0.00	138.89	18.03	1.96	0.00	4.00	0.94	0.74	2.67	18.38	0.09	26.75	4.00
807	8.07	2.69	47.67	12.27	1.77	2.69	1.77	4.00	2.52	17.81	139.07	0.00	139.07	18.36	1.87	0.00	4.00	0.93	0.74	2.65	18.77	0.09	27.39	4.00
808	8.08	2.72	46.32	12.27	1.70	2.72	1.70	5.00	2.50	17.78	139.24	0.00	139.24	18.55	1.79	0.00	4.00	0.92	0.75	2.64	19.00	0.09	27.87	4.00
809	8.09	2.75	43.67	12.27	1.59	2.75	1.59	5.00	2.48	17.72	139.42	0.00	139.42	18.74	1.67	0.00	4.00	0.92	0.75	2.62	19.25	0.09	28.63	4.00
810	8.10	2.79	38.53	12.27	1.38	2.79	1.38	5.00	2.44	17.58	139.60	0.00	139.60	19.00	1.45	0.00	4.00	0.90	0.75	2.58	19.61	0.09	30.07	4.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
811	8.11	2.80	36.04	12.27	1.29	2.80	1.29	5.00	2.42	17.51	139.77	0.00	139.77	19.05	1.35	0.00	4.00	0.89	0.75	2.56	19.71	0.09	30.73	4.00
812	8.12	2.81	34.84	12.27	1.24	2.81	1.24	5.00	2.41	17.47	139.95	0.00	139.95	19.10	1.30	0.00	4.00	0.89	0.75	2.55	19.78	0.09	31.09	4.00
813	8.13	2.82	34.46	12.27	1.22	2.82	1.22	5.00	2.41	17.46	140.12	0.00	140.12	19.14	1.28	0.00	4.00	0.89	0.75	2.55	19.84	0.09	31.25	4.00
814	8.14	2.84	33.64	12.27	1.19	2.84	1.18	5.00	2.40	17.43	140.30	0.00	140.30	19.26	1.24	0.00	5.00	0.89	0.75	2.54	19.99	0.09	31.61	4.00
815	8.15	2.93	30.80	12.27	1.05	2.93	1.05	5.00	2.36	17.34	140.47	0.00	140.47	19.88	1.10	0.00	5.00	0.87	0.75	2.50	20.73	0.09	33.09	6.00
816	8.16	2.98	29.51	12.36	0.99	2.98	0.99	5.00	2.34	17.30	140.64	0.00	140.64	20.21	1.04	0.00	5.00	0.86	0.75	2.48	21.14	0.09	33.86	6.00
817	8.17	3.04	28.88	12.36	0.95	3.04	0.95	5.00	2.32	17.28	140.82	0.00	140.82	20.61	1.00	0.00	5.00	0.86	0.75	2.46	21.60	0.09	34.54	6.00
818	8.18	3.19	29.39	12.46	0.92	3.19	0.92	5.00	2.30	17.32	140.99	0.00	140.99	21.64	0.96	0.00	5.00	0.85	0.76	2.43	22.77	0.09	35.65	6.00
819	8.19	3.25	29.98	12.46	0.92	3.25	0.92	5.00	2.29	17.35	141.16	0.00	141.16	22.04	0.96	0.00	5.00	0.84	0.76	2.42	23.21	0.09	35.96	6.00
820	8.20	3.30	30.77	12.56	0.93	3.30	0.93	5.00	2.29	17.39	141.34	0.00	141.34	22.37	0.97	0.00	5.00	0.84	0.76	2.42	23.57	0.09	36.12	6.00
821	8.21	3.41	32.51	12.56	0.95	3.41	0.95	5.00	2.28	17.46	141.51	0.00	141.51	23.12	0.99	0.00	5.00	0.84	0.76	2.41	24.39	0.09	36.49	6.00
822	8.22	3.46	33.36	12.56	0.96	3.46	0.96	5.00	2.28	17.50	141.69	0.00	141.69	23.44	1.00	0.00	5.00	0.84	0.76	2.41	24.75	0.09	36.63	6.00
823	8.23	3.56	34.34	12.65	0.96	3.56	0.96	5.00	2.27	17.54	141.86	0.00	141.86	24.11	1.00	0.00	5.00	0.83	0.76	2.40	25.50	0.09	37.13	6.00
824	8.24	3.61	34.56	12.65	0.96	3.61	0.96	5.00	2.26	17.56	142.04	0.00	142.04	24.43	1.00	0.00	5.00	0.83	0.76	2.39	25.87	0.09	37.46	6.00
825	8.25	3.72	35.28	12.75	0.95	3.72	0.95	5.00	2.25	17.59	142.21	0.00	142.21	25.18	0.99	0.00	5.00	0.83	0.76	2.38	26.71	0.09	38.11	6.00
826	8.26	3.79	35.91	12.75	0.95	3.79	0.95	5.00	2.24	17.62	142.39	0.00	142.39	25.64	0.98	0.00	5.00	0.82	0.76	2.37	27.22	0.09	38.46	6.00
827	8.27	3.84	36.54	12.75	0.95	3.84	0.95	5.00	2.24	17.64	142.57	0.00	142.57	25.95	0.99	0.00	5.00	0.82	0.76	2.37	27.58	0.09	38.65	6.00
828	8.28	3.93	37.87	12.75	0.96	3.93	0.96	5.00	2.23	17.69	142.74	0.00	142.74	26.55	1.00	0.00	5.00	0.82	0.76	2.36	28.24	0.09	38.94	6.00
829	8.29	3.95	38.43	12.84	0.97	3.95	0.97	5.00	2.23	17.71	142.92	0.00	142.92	26.66	1.01	0.00	5.00	0.82	0.75	2.36	28.36	0.09	38.90	6.00
830	8.30	3.91	39.95	12.84	1.02	3.91	1.02	5.00	2.25	17.75	143.10	0.00	143.10	26.34	1.06	0.00	5.00	0.83	0.75	2.38	27.97	0.09	38.11	6.00
831	8.31	3.84	41.21	12.84	1.07	3.84	1.07	5.00	2.27	17.78	143.27	0.00	143.27	25.82	1.11	0.00	5.00	0.83	0.75	2.40	27.35	0.09	37.18	6.00
832	8.32	3.72	42.88	12.75	1.15	3.72	1.15	5.00	2.30	17.82	143.45	0.00	143.45	24.95	1.20	0.00	5.00	0.85	0.75	2.43	26.33	0.09	35.78	6.00
833	8.33	3.32	46.92	12.56	1.41	3.32	1.41	5.00	2.39	17.88	143.63	0.00	143.63	22.13	1.48	0.00	5.00	0.88	0.73	2.52	23.06	0.09	31.78	4.00
834	8.34	3.07	50.92	12.46	1.66	3.07	1.66	5.00	2.45	17.94	143.81	0.00	143.81	20.37	1.74	0.00	4.00	0.91	0.73	2.60	21.01	0.09	29.11	4.00
835	8.35	2.84	55.52	12.36	1.95	2.84	1.95	4.00	2.52	18.01	143.99	0.00	143.99	18.74	2.06	0.00	4.00	0.94	0.72	2.67	19.15	0.09	26.64	4.00
836	8.36	2.54	65.83	12.27	2.59	2.54	2.59	4.00	2.64	18.16	144.17	0.00	144.17	16.64	2.74	0.01	4.00	0.99	0.71	2.79	16.72	0.09	23.06	5.00
837	8.37	2.49	71.73	12.36	2.88	2.49	2.88	4.00	2.67	18.25	144.36	0.00	144.36	16.27	3.05	0.01	4.00	1.00	0.70	2.83	16.27	0.09	21.95	3.00
838	8.38	2.53	78.32	12.75	3.10	2.53	3.09	4.00	2.69	18.36	144.54	0.00	144.54	16.52	3.28	0.01	3.00	1.00	0.70	2.84	16.52	0.09	21.36	3.00
839	8.39	2.90	95.03	13.51	3.28	2.90	3.27	4.00	2.66	18.64	144.73	0.00	144.73	19.06	3.45	0.00	4.00	0.99	0.70	2.81	19.12	0.09	21.43	3.00
840	8.40	3.30	97.24	13.90	2.95	3.30	2.94	4.00	2.58	18.71	144.91	0.00	144.91	21.79	3.08	0.00	4.00	0.96	0.71	2.73	22.10	0.10	23.25	5.00
841	8.41	3.85	93.90	14.28	2.44	3.85	2.44	4.00	2.48	18.73	145.10	0.00	145.10	25.55	2.53	0.00	4.00	0.92	0.72	2.61	26.32	0.10	26.58	5.00
842	8.42	4.61	90.59	14.57	1.97	4.61	1.96	5.00	2.36	18.76	145.29	0.00	145.29	30.75	2.03	0.00	5.00	0.87	0.73	2.49	32.24	0.10	31.20	5.00
843	8.43	4.87	89.80	14.66	1.84	4.87	1.84	5.00	2.32	18.77	145.47	0.00	145.47	32.50	1.90	0.00	5.00	0.85	0.73	2.45	34.25	0.10	32.76	7.00
844	8.44	5.06	86.99	14.76	1.72	5.06	1.72	5.00	2.29	18.75	145.66	0.00	145.66	33.76	1.77	0.00	5.00	0.84	0.74	2.41	35.75	0.10	34.34	7.00
845	8.45	5.03	84.22	14.76	1.68	5.03	1.67	5.00	2.29	18.71	145.85	0.00	145.85	33.51	1.72	0.00	5.00	0.84	0.74	2.41	35.52	0.10	34.69	7.00
846	8.46	4.74	77.41	14.66	1.63	4.74	1.63	5.00	2.30	18.59	146.04	0.00	146.04	31.48	1.68	0.00	5.00	0.85	0.73	2.43	33.29	0.10	34.34	7.00
847	8.47	4.52	73.37	14.47	1.62	4.52	1.62	5.00	2.31	18.51	146.22	0.00	146.22	29.93	1.68	0.00	5.00	0.85	0.73	2.44	31.59	0.10	33.82	7.00
848	8.48	3.96	69.05	14.28	1.74	3.96	1.74	5.00	2.38	18.39	146.40	0.00	146.40	26.07	1.81	0.00	4.00	0.88	0.72	2.51	27.24	0.10	31.22	5.00
849	8.49	3.63	69.37	14.09	1.91	3.63	1.91	5.00	2.43	18.36	146.59	0.00	146.59	23.78	1.99	0.00	4.00	0.90	0.72	2.57	24.65	0.10	29.11	5.00
850	8.50	3.34	70.75	13.90	2.12	3.34	2.12	5.00	2.49	18.35	146.77	0.00	146.77	21.78	2.21	0.00	4.00	0.93	0.71	2.64	22.38	0.09	27.09	5.00
851	8.51	3.01	74.35	13.61	2.47	3.01	2.47	4.00	2.57	18.37	146.95	0.00	146.95	19.50	2.59	0.00	4.00	0.96	0.70	2.72	19.80	0.09	24.56	5.00
852	8.52	2.96	76.02	13.42	2.56	2.96	2.57	4.00	2.58	18.39	147.14	0.00	147.14	19.14	2.70	0.00	4.00	0.97	0.70	2.74	19.38	0.09	24.02	5.00
853	8.53	3.61	71.38	14.18	1.98	3.61	1.98	5.00	2.44	18.39	147.32	0.00	147.32	23.52	2.06	0.00	4.00	0.91	0.71	2.59	24.34	0.10	28.59	5.00
854	8.54	4.11	69.33	14.57	1.69	4.11	1.69	5.00	2.36	18.41	147.51	0.00	147.51	26.88	1.75	0.00	5.00	0.87	0.72	2.49	28.19	0.10	32.02	5.00
855	8.55	4.53	66.59	14.76	1.47	4.53	1.47	5.00	2.29	18.40	147.69	0.00	147.69	29.69	1.52	0.00	5.00	0.84	0.73	2.42	31.48	0.10	35.21	7.00

GeoDeep
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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
856	8.56	4.85	68.55	14.95	1.41	4.85	1.41	5.00	2.25	18.46	147.88	0.00	147.88	31.82	1.46	0.00	5.00	0.83	0.73	2.38	33.92	0.10	36.78	7.00
857	8.57	4.66	70.72	14.86	1.52	4.66	1.52	5.00	2.29	18.48	148.06	0.00	148.06	30.49	1.57	0.00	5.00	0.84	0.73	2.42	32.35	0.10	35.09	7.00
858	8.58	4.35	72.99	14.76	1.68	4.35	1.68	5.00	2.34	18.49	148.24	0.00	148.24	28.36	1.74	0.00	5.00	0.87	0.72	2.47	29.86	0.10	32.72	7.00
859	8.59	3.43	75.99	14.18	2.22	3.43	2.21	4.00	2.49	18.44	148.43	0.00	148.43	22.13	2.31	0.00	4.00	0.93	0.70	2.64	22.73	0.10	26.70	5.00
860	8.60	3.00	77.94	13.90	2.60	3.00	2.60	4.00	2.58	18.42	148.61	0.00	148.61	19.21	2.73	0.00	4.00	0.97	0.69	2.74	19.45	0.09	23.92	5.00
861	8.61	2.63	80.09	13.61	3.05	2.63	3.04	4.00	2.67	18.40	148.80	0.00	148.80	16.69	3.22	0.01	3.00	1.00	0.68	2.84	16.69	0.09	21.56	3.00
862	8.62	2.11	83.96	13.32	3.97	2.11	3.97	3.00	2.82	18.37	148.98	0.00	148.98	13.18	4.28	0.01	3.00	1.00	0.68	2.99	13.18	0.09	18.35	3.00
863	8.63	1.98	85.64	13.32	4.33	1.98	4.32	3.00	2.86	18.37	149.16	0.00	149.16	12.29	4.67	0.01	3.00	1.00	0.68	3.04	12.29	0.09	17.50	3.00
864	8.64	1.88	87.91	13.42	4.68	1.88	4.67	3.00	2.90	18.38	149.35	0.00	149.35	11.61	5.07	0.01	3.00	1.00	0.68	3.08	11.61	0.09	16.77	2.00
865	8.65	1.85	90.65	13.51	4.91	1.85	4.89	3.00	2.92	18.41	149.53	0.00	149.53	11.39	5.32	0.01	3.00	1.00	0.68	3.10	11.39	0.09	16.38	2.00
866	8.66	1.79	106.82	13.71	5.95	1.79	5.96	3.00	2.99	18.59	149.72	0.00	149.72	10.97	6.50	0.01	3.00	1.00	0.68	3.17	10.97	0.09	14.84	2.00
867	8.67	1.86	111.55	13.90	6.00	1.86	5.99	3.00	2.98	18.65	149.91	0.00	149.91	11.43	6.51	0.01	3.00	1.00	0.68	3.15	11.43	0.09	14.84	3.00
868	8.68	1.99	114.55	14.18	5.77	1.99	5.75	3.00	2.94	18.71	150.09	0.00	150.09	12.28	6.22	0.01	3.00	1.00	0.68	3.12	12.28	0.09	15.23	3.00
869	8.69	2.46	115.08	14.76	4.68	2.46	4.67	3.00	2.81	18.79	150.28	0.00	150.28	15.39	4.98	0.01	3.00	1.00	0.67	2.98	15.39	0.10	17.32	3.00
870	8.70	2.80	113.03	15.14	4.03	2.80	4.03	4.00	2.73	18.82	150.47	0.00	150.47	17.63	4.26	0.01	3.00	1.00	0.67	2.89	17.63	0.10	19.04	3.00
871	8.71	3.73	105.53	16.10	2.83	3.73	2.83	4.00	2.53	18.85	150.66	0.00	150.66	23.78	2.95	0.00	4.00	0.95	0.69	2.68	24.29	0.11	24.22	5.00
872	8.72	4.20	101.37	16.39	2.41	4.20	2.41	5.00	2.45	18.85	150.85	0.00	150.85	26.87	2.50	0.00	4.00	0.91	0.70	2.59	27.82	0.11	27.09	5.00
873	8.73	4.56	98.85	16.58	2.17	4.56	2.17	5.00	2.39	18.85	151.03	0.00	151.03	29.21	2.24	0.00	4.00	0.89	0.70	2.53	30.54	0.11	29.29	5.00
874	8.74	4.45	97.24	16.58	2.18	4.45	2.18	5.00	2.40	18.83	151.22	0.00	151.22	28.45	2.26	0.00	4.00	0.89	0.70	2.54	29.69	0.11	28.95	5.00
875	8.75	4.13	94.27	16.29	2.28	4.13	2.28	5.00	2.44	18.76	151.41	0.00	151.41	26.30	2.37	0.00	4.00	0.91	0.69	2.58	27.27	0.11	27.70	5.00
876	8.76	3.33	93.52	15.91	2.81	3.33	2.81	4.00	2.57	18.67	151.60	0.00	151.60	20.99	2.94	0.01	4.00	0.96	0.68	2.73	21.30	0.10	23.60	5.00
877	8.77	2.99	94.27	15.62	3.15	2.99	3.15	4.00	2.64	18.64	151.78	0.00	151.78	18.72	3.32	0.01	4.00	0.99	0.67	2.80	18.77	0.10	21.75	3.00
878	8.78	2.73	95.44	15.53	3.50	2.73	3.49	4.00	2.70	18.62	151.97	0.00	151.97	16.99	3.70	0.01	3.00	1.00	0.67	2.87	16.99	0.10	20.32	3.00
879	8.79	2.35	96.95	15.33	4.13	2.35	4.12	3.00	2.79	18.58	152.15	0.00	152.15	14.47	4.40	0.01	3.00	1.00	0.67	2.97	14.47	0.10	18.30	3.00
880	8.80	2.14	96.20	15.14	4.50	2.14	4.49	3.00	2.85	18.53	152.34	0.00	152.34	13.07	4.83	0.01	3.00	1.00	0.67	3.03	13.07	0.10	17.33	3.00
881	8.81	1.87	94.84	15.05	5.06	1.87	5.06	3.00	2.93	18.46	152.52	0.00	152.52	11.28	5.51	0.01	3.00	1.00	0.66	3.11	11.28	0.10	16.10	2.00
882	8.82	1.49	92.29	14.95	6.19	1.49	6.18	3.00	3.06	18.35	152.71	0.00	152.71	8.78	6.89	0.01	3.00	1.00	0.66	3.26	8.78	0.10	14.40	2.00
883	8.83	1.37	90.18	15.05	6.57	1.37	6.57	3.00	3.10	18.29	152.89	0.00	152.89	7.98	7.39	0.01	3.00	1.00	0.66	3.31	7.98	0.10	13.94	2.00
884	8.84	1.31	89.04	15.05	6.80	1.31	6.78	3.00	3.12	18.26	153.07	0.00	153.07	7.58	7.68	0.01	3.00	1.00	0.66	3.34	7.58	0.10	13.72	2.00
885	8.85	1.28	86.49	15.05	6.78	1.28	6.74	3.00	3.13	18.21	153.26	0.00	153.26	7.37	7.65	0.01	3.00	1.00	0.66	3.35	7.37	0.10	13.74	2.00
886	8.86	1.25	84.06	15.05	6.73	1.25	6.71	3.00	3.14	18.17	153.44	0.00	153.44	7.17	7.64	0.01	3.00	1.00	0.66	3.36	7.17	0.10	13.76	2.00
887	8.87	1.20	77.31	15.05	6.46	1.20	6.43	3.00	3.14	18.06	153.62	0.00	153.62	6.83	7.37	0.01	3.00	1.00	0.66	3.36	6.83	0.10	13.99	2.00
888	8.88	1.17	73.50	15.05	6.26	1.17	6.27	3.00	3.14	17.99	153.80	0.00	153.80	6.63	7.21	0.01	3.00	1.00	0.66	3.37	6.63	0.10	14.12	2.00
889	8.89	1.15	67.92	14.66	5.89	1.15	5.89	3.00	3.13	17.89	153.98	0.00	153.98	6.49	6.80	0.01	3.00	1.00	0.66	3.36	6.49	0.10	14.45	2.00
890	8.90	1.15	65.99	14.57	5.75	1.15	5.72	3.00	3.12	17.86	154.16	0.00	154.16	6.48	6.61	0.01	3.00	1.00	0.66	3.35	6.48	0.09	14.61	2.00
891	8.91	1.14	64.23	14.57	5.65	1.14	5.62	3.00	3.12	17.83	154.33	0.00	154.33	6.41	6.50	0.01	3.00	1.00	0.66	3.35	6.41	0.09	14.70	2.00
892	8.92	1.14	64.23	14.57	5.65	1.14	5.62	3.00	3.12	17.83	154.51	0.00	154.51	6.40	6.50	0.01	3.00	1.00	0.66	3.35	6.40	0.09	14.70	2.00
893	8.93	1.14	64.23	14.57	5.65	1.14	5.62	3.00	3.12	17.83	154.69	0.00	154.69	6.39	6.50	0.01	3.00	1.00	0.66	3.35	6.39	0.09	14.70	2.00
894	8.94	1.81	49.38	12.84	2.74	1.81	2.72	4.00	2.77	17.70	154.87	0.00	154.87	10.70	2.98	0.01	3.00	1.00	0.65	2.97	10.70	0.08	20.32	2.00
895	8.95	1.79	49.06	12.75	2.73	1.79	2.74	4.00	2.77	17.69	155.04	0.00	155.04	10.56	3.00	0.01	3.00	1.00	0.65	2.98	10.56	0.08	20.23	2.00
896	8.96	1.59	48.11	12.56	3.03	1.59	3.02	4.00	2.84	17.62	155.22	0.00	155.22	9.26	3.35	0.01	3.00	1.00	0.65	3.05	9.26	0.08	19.07	2.00
897	8.97	1.47	48.62	12.65	3.30	1.47	3.30	3.00	2.89	17.60	155.40	0.00	155.40	8.48	3.69	0.01	3.00	1.00	0.65	3.11	8.48	0.08	18.24	2.00
898	8.98	1.27	51.20	12.65	4.03	1.27	4.02	3.00	2.99	17.61	155.57	0.00	155.57	7.18	4.58	0.01	3.00	1.00	0.65	3.22	7.18	0.08	16.69	2.00
899	8.99	1.17	52.24	12.65	4.47	1.17	4.45	3.00	3.05	17.60	155.75	0.00	155.75	6.53	5.14	0.01	3.00	1.00	0.65	3.28	6.53	0.08	15.96	2.00
900	9.00	1.11	52.88	12.75	4.76	1.11	4.75	3.00	3.08	17.59	155.92	0.00	155.92	6.14	5.53	0.01	3.00	1.00	0.65	3.32	6.14	0.08	15.53	2.00

GeoDeep
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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
901	9.01	0.97	57.35	13.03	5.90	0.97	5.90	3.00	3.19	17.64	156.10	0.00	156.10	5.23	7.02	0.02	3.00	1.00	0.65	3.44	5.23	0.08	14.27	2.00
902	9.02	0.89	61.86	13.13	6.94	0.89	6.93	3.00	3.26	17.69	156.28	0.00	156.28	4.71	8.40	0.02	2.00	1.00	0.65	3.52	4.71	0.08	13.43	2.00
903	9.03	0.81	66.09	13.23	8.14	0.81	8.13	3.00	3.33	17.73	156.46	0.00	156.46	4.19	10.07	0.02	2.00	1.00	0.65	3.61	4.19	0.08	12.65	1.00
904	9.04	0.72	69.59	13.32	9.72	0.72	9.63	2.00	3.42	17.74	156.63	0.00	156.63	3.61	12.29	0.02	2.00	1.00	0.65	3.72	3.61	0.09	11.90	1.00
905	9.05	0.68	70.60	13.51	10.33	0.68	10.34	2.00	3.46	17.74	156.81	0.00	156.81	3.35	13.42	0.03	2.00	1.00	0.65	3.77	3.35	0.09	11.61	1.00
906	9.06	0.67	69.30	13.51	10.38	0.67	10.30	2.00	3.46	17.71	156.99	0.00	156.99	3.29	13.43	0.03	2.00	1.00	0.65	3.77	3.29	0.09	11.64	1.00
907	9.07	0.67	68.10	13.51	10.12	0.67	10.12	2.00	3.46	17.69	157.16	0.00	157.16	3.28	13.21	0.03	2.00	1.00	0.64	3.77	3.28	0.09	11.72	1.00
908	9.08	0.68	67.06	13.61	9.81	0.68	9.82	2.00	3.45	17.68	157.34	0.00	157.34	3.34	12.76	0.03	2.00	1.00	0.64	3.75	3.34	0.09	11.85	1.00
909	9.09	0.72	64.01	13.90	8.94	0.72	8.85	3.00	3.40	17.65	157.52	0.00	157.52	3.59	11.32	0.02	2.00	1.00	0.64	3.70	3.59	0.09	12.28	1.00
910	9.10	0.75	61.20	14.47	8.18	0.75	8.13	3.00	3.36	17.61	157.69	0.00	157.69	3.78	10.28	0.02	2.00	1.00	0.64	3.65	3.78	0.09	12.66	1.00
911	9.11	0.79	57.32	15.24	7.25	0.79	7.23	3.00	3.31	17.56	157.87	0.00	157.87	4.02	9.02	0.02	2.00	1.00	0.64	3.60	4.02	0.10	13.19	2.00
912	9.12	0.92	46.35	18.40	5.05	0.92	5.02	3.00	3.16	17.37	158.04	0.00	158.04	4.85	6.05	0.02	3.00	1.00	0.64	3.43	4.85	0.12	14.95	2.00
913	9.13	0.94	41.78	22.24	4.44	0.94	4.42	3.00	3.12	17.26	158.22	0.00	158.22	4.97	5.31	0.03	3.00	1.00	0.64	3.39	4.97	0.14	15.53	2.00
914	9.14	0.95	37.87	25.01	3.98	0.96	3.96	3.00	3.09	17.15	158.39	0.00	158.39	5.03	4.75	0.03	3.00	1.00	0.64	3.36	5.03	0.16	16.01	2.00
915	9.15	0.95	33.04	25.30	3.48	0.96	3.46	3.00	3.05	16.99	158.56	0.00	158.56	5.03	4.15	0.03	3.00	1.00	0.64	3.32	5.03	0.16	16.54	2.00
916	9.16	0.92	31.40	25.49	3.40	0.93	3.39	3.00	3.06	16.92	158.73	0.00	158.73	4.83	4.10	0.03	3.00	1.00	0.64	3.33	4.83	0.16	16.52	2.00
917	9.17	0.89	29.83	25.40	3.36	0.90	3.33	3.00	3.07	16.85	158.89	0.00	158.89	4.63	4.05	0.03	3.00	1.00	0.64	3.35	4.63	0.16	16.49	2.00
918	9.18	0.85	25.54	25.30	3.01	0.86	2.99	3.00	3.06	16.66	159.06	0.00	159.06	4.38	3.67	0.04	3.00	1.00	0.64	3.34	4.38	0.16	16.71	2.00
919	9.19	0.84	24.06	25.30	2.87	0.85	2.85	3.00	3.05	16.58	159.23	0.00	159.23	4.31	3.51	0.04	3.00	1.00	0.64	3.34	4.31	0.16	16.81	2.00
920	9.20	0.81	23.49	25.78	2.91	0.82	2.88	3.00	3.07	16.54	159.39	0.00	159.39	4.12	3.58	0.04	3.00	1.00	0.64	3.36	4.12	0.16	16.66	2.00
921	9.21	0.79	24.15	25.78	3.08	0.80	3.04	3.00	3.09	16.56	159.56	0.00	159.56	3.99	3.80	0.04	3.00	1.00	0.64	3.39	3.99	0.16	16.43	2.00
922	9.22	0.76	24.94	25.97	3.27	0.77	3.26	3.00	3.12	16.59	159.72	0.00	159.72	3.79	4.12	0.04	3.00	1.00	0.63	3.42	3.79	0.16	16.11	2.00
923	9.23	0.87	26.36	27.60	3.05	0.88	3.01	3.00	3.05	16.70	159.89	0.00	159.89	4.48	3.68	0.04	3.00	1.00	0.63	3.34	4.48	0.17	16.74	2.00
924	9.24	2.00	29.07	30.38	1.46	2.01	1.45	4.00	2.57	17.13	160.06	0.00	160.06	11.54	1.57	0.02	4.00	0.99	0.63	2.79	11.57	0.19	24.45	4.00
925	9.25	2.84	29.42	32.39	1.04	2.85	1.03	5.00	2.37	17.28	160.23	0.00	160.23	16.77	1.10	0.01	4.00	0.90	0.66	2.56	17.52	0.20	30.86	4.00
926	9.26	3.77	29.32	53.48	0.78	3.78	0.78	5.00	2.20	17.38	160.41	0.00	160.41	22.57	0.81	0.01	5.00	0.83	0.68	2.37	24.39	0.33	38.31	6.00
927	9.27	5.11	33.07	53.96	0.65	5.12	0.65	6.00	2.04	17.64	160.59	0.00	160.59	30.89	0.67	0.01	5.00	0.77	0.70	2.20	34.40	0.34	47.78	6.00
928	9.28	5.29	35.85	45.52	0.68	5.30	0.68	6.00	2.04	17.74	160.76	0.00	160.76	31.97	0.70	0.01	5.00	0.77	0.70	2.19	35.63	0.28	48.10	6.00
929	9.29	5.35	43.83	-7.09	0.82	5.35	0.82	5.00	2.08	17.98	160.94	0.00	160.94	32.23	0.84	0.00	5.00	0.78	0.70	2.23	35.67	-0.04	45.61	6.00
930	9.30	5.27	44.65	-11.88	0.85	5.27	0.85	5.00	2.10	17.99	161.12	0.00	161.12	31.69	0.87	0.00	5.00	0.79	0.69	2.25	34.99	-0.07	44.72	6.00
931	9.31	5.14	45.06	-11.12	0.88	5.14	0.88	5.00	2.11	18.00	161.30	0.00	161.30	30.85	0.91	0.00	5.00	0.79	0.69	2.27	33.95	-0.07	43.63	6.00
932	9.32	5.12	46.44	-10.45	0.91	5.12	0.91	5.00	2.12	18.03	161.48	0.00	161.48	30.69	0.94	0.00	5.00	0.80	0.69	2.28	33.72	-0.06	43.04	6.00
933	9.33	5.20	48.37	-9.97	0.93	5.20	0.93	5.00	2.12	18.08	161.66	0.00	161.66	31.15	0.96	0.00	5.00	0.80	0.69	2.28	34.24	-0.06	43.00	6.00
934	9.34	5.38	55.24	-9.10	1.03	5.38	1.03	5.00	2.14	18.25	161.85	0.00	161.85	32.23	1.06	0.00	5.00	0.80	0.69	2.29	35.36	-0.06	42.22	6.00
935	9.35	5.45	57.95	-8.43	1.06	5.45	1.06	5.00	2.14	18.31	162.03	0.00	162.03	32.63	1.10	0.00	5.00	0.80	0.69	2.29	35.77	-0.05	41.91	7.00
936	9.36	5.57	63.28	-8.15	1.14	5.57	1.14	5.00	2.15	18.42	162.21	0.00	162.21	33.33	1.17	0.00	5.00	0.81	0.68	2.30	36.49	-0.05	41.25	7.00
937	9.37	5.83	70.66	-7.67	1.21	5.83	1.21	5.00	2.15	18.56	162.40	0.00	162.40	34.89	1.25	0.00	5.00	0.81	0.68	2.30	38.22	-0.05	40.98	7.00
938	9.38	5.87	71.16	-7.67	1.21	5.87	1.21	5.00	2.15	18.57	162.58	0.00	162.58	35.09	1.25	0.00	5.00	0.81	0.68	2.30	38.46	-0.05	41.08	7.00
939	9.39	5.80	70.47	-7.48	1.21	5.80	1.22	5.00	2.15	18.56	162.77	0.00	162.77	34.62	1.25	0.00	5.00	0.81	0.68	2.30	37.91	-0.05	40.81	7.00
940	9.40	5.77	71.01	-7.48	1.23	5.77	1.23	5.00	2.16	18.56	162.96	0.00	162.96	34.40	1.27	0.00	5.00	0.81	0.68	2.31	37.64	-0.05	40.48	7.00
941	9.41	5.73	70.25	-7.38	1.23	5.73	1.23	5.00	2.16	18.55	163.14	0.00	163.14	34.11	1.26	0.00	5.00	0.81	0.68	2.31	37.31	-0.05	40.40	7.00
942	9.42	5.63	61.70	-7.28	1.10	5.63	1.10	5.00	2.14	18.39	163.33	0.00	163.33	33.46	1.13	0.00	5.00	0.80	0.68	2.29	36.75	-0.04	41.93	7.00
943	9.43	5.60	57.95	-7.19	1.04	5.60	1.04	5.00	2.12	18.32	163.51	0.00	163.51	33.24	1.07	0.00	5.00	0.80	0.68	2.28	36.60	-0.04	42.74	7.00
944	9.44	5.56	55.11	-7.09	0.99	5.56	0.99	5.00	2.12	18.26	163.69	0.00	163.69	32.96	1.02	0.00	5.00	0.80	0.68	2.27	36.34	-0.04	43.26	0.00
945	9.45	5.53	54.92	-7.00	0.99	5.53	0.99	5.00	2.12	18.25	163.87	0.00	163.87	32.74	1.02	0.00	5.00	0.80	0.68	2.27	36.09	-0.04	43.09	6.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
946	9.46	5.49	54.64	-6.90	1.00	5.49	1.00	5.00	2.12	18.24	164.06	0.00	164.06	32.46	1.03	0.00	5.00	0.80	0.68	2.28	35.76	-0.04	42.89	6.00
947	9.47	5.44	53.88	-6.80	0.99	5.44	0.99	5.00	2.12	18.22	164.24	0.00	164.24	32.11	1.02	0.00	5.00	0.80	0.68	2.28	35.37	-0.04	42.75	6.00
948	9.48	5.40	52.21	-6.80	0.97	5.40	0.97	5.00	2.12	18.18	164.42	0.00	164.42	31.83	1.00	0.00	5.00	0.80	0.68	2.28	35.08	-0.04	42.94	6.00
949	9.49	5.33	46.00	-6.71	0.86	5.33	0.86	5.00	2.10	18.03	164.60	0.00	164.60	31.37	0.89	0.00	5.00	0.79	0.68	2.26	34.72	-0.04	44.31	6.00
950	9.50	5.29	42.19	-6.61	0.80	5.29	0.80	5.00	2.08	17.93	164.78	0.00	164.78	31.10	0.82	0.00	5.00	0.79	0.68	2.24	34.52	-0.04	45.23	6.00
951	9.51	5.23	40.23	-6.52	0.77	5.23	0.77	5.00	2.08	17.87	164.96	0.00	164.96	30.70	0.79	0.00	5.00	0.78	0.68	2.24	34.10	-0.04	45.42	6.00
952	9.52	5.19	40.58	-6.52	0.78	5.19	0.78	5.00	2.08	17.88	165.14	0.00	165.14	30.42	0.81	0.00	5.00	0.79	0.68	2.25	33.76	-0.04	44.98	6.00
953	9.53	5.16	40.93	-6.52	0.79	5.16	0.79	5.00	2.09	17.89	165.32	0.00	165.32	30.20	0.82	0.00	5.00	0.79	0.68	2.25	33.48	-0.04	44.62	6.00
954	9.54	5.11	42.31	-6.33	0.83	5.11	0.83	5.00	2.10	17.92	165.50	0.00	165.50	29.87	0.86	0.00	5.00	0.80	0.68	2.27	33.03	-0.04	43.79	6.00
955	9.55	5.11	43.16	-6.23	0.85	5.11	0.84	5.00	2.11	17.94	165.67	0.00	165.67	29.84	0.87	0.00	5.00	0.80	0.68	2.27	32.97	-0.04	43.49	6.00
956	9.56	5.08	43.89	-6.13	0.86	5.08	0.86	5.00	2.11	17.96	165.85	0.00	165.85	29.62	0.89	0.00	5.00	0.80	0.67	2.28	32.68	-0.04	43.03	6.00
957	9.57	5.09	45.56	-6.04	0.90	5.09	0.90	5.00	2.12	18.00	166.03	0.00	166.03	29.65	0.93	0.00	5.00	0.80	0.67	2.29	32.67	-0.04	42.57	6.00
958	9.58	5.09	46.57	-5.94	0.91	5.09	0.92	5.00	2.13	18.03	166.21	0.00	166.21	29.62	0.95	0.00	5.00	0.81	0.67	2.29	32.60	-0.04	42.25	6.00
959	9.59	5.08	48.27	-5.85	0.95	5.08	0.95	5.00	2.14	18.07	166.40	0.00	166.40	29.52	0.98	0.00	5.00	0.81	0.67	2.30	32.44	-0.04	41.66	6.00
960	9.60	5.07	48.97	-5.75	0.97	5.07	0.97	5.00	2.14	18.09	166.58	0.00	166.58	29.43	1.00	0.00	5.00	0.81	0.67	2.31	32.31	-0.03	41.37	6.00
961	9.61	5.08	49.41	-5.65	0.97	5.08	0.97	5.00	2.14	18.10	166.76	0.00	166.76	29.46	1.01	0.00	5.00	0.81	0.67	2.31	32.34	-0.03	41.29	6.00
962	9.62	5.10	49.85	-5.56	0.98	5.10	0.98	5.00	2.14	18.11	166.94	0.00	166.94	29.54	1.01	0.00	5.00	0.81	0.67	2.31	32.44	-0.03	41.29	6.00
963	9.63	5.12	49.88	-5.46	0.97	5.12	0.97	5.00	2.14	18.11	167.12	0.00	167.12	29.63	1.01	0.00	5.00	0.81	0.67	2.31	32.55	-0.03	41.40	6.00
964	9.64	5.14	49.91	-5.37	0.97	5.14	0.97	5.00	2.14	18.11	167.30	0.00	167.30	29.72	1.00	0.00	5.00	0.81	0.67	2.31	32.67	-0.03	41.51	6.00
965	9.65	5.20	49.88	-5.27	0.96	5.20	0.96	5.00	2.13	18.12	167.48	0.00	167.48	30.04	0.99	0.00	5.00	0.81	0.67	2.30	33.08	-0.03	41.91	6.00
966	9.66	5.20	49.97	-5.27	0.96	5.20	0.96	5.00	2.13	18.12	167.66	0.00	167.66	30.01	0.99	0.00	5.00	0.81	0.67	2.30	33.04	-0.03	41.86	6.00
967	9.67	5.25	49.82	-5.08	0.95	5.25	0.95	5.00	2.13	18.12	167.84	0.00	167.84	30.27	0.98	0.00	5.00	0.81	0.67	2.29	33.38	-0.03	42.23	6.00
968	9.68	5.26	50.13	-5.08	0.95	5.26	0.95	5.00	2.13	18.13	168.03	0.00	168.03	30.30	0.98	0.00	5.00	0.81	0.66	2.29	33.41	-0.03	42.19	6.00
969	9.69	5.29	50.42	-4.89	0.95	5.29	0.95	5.00	2.12	18.14	168.21	0.00	168.21	30.44	0.98	0.00	5.00	0.81	0.66	2.29	33.59	-0.03	42.29	6.00
970	9.70	5.34	50.38	-4.79	0.94	5.34	0.94	5.00	2.12	18.14	168.39	0.00	168.39	30.71	0.97	0.00	5.00	0.80	0.66	2.29	33.92	-0.03	42.62	6.00
971	9.71	5.36	50.35	-4.79	0.94	5.36	0.94	5.00	2.12	18.14	168.57	0.00	168.57	30.79	0.97	0.00	5.00	0.80	0.66	2.28	34.04	-0.03	42.75	6.00
972	9.72	5.38	50.20	-4.70	0.93	5.38	0.93	5.00	2.11	18.14	168.75	0.00	168.75	30.88	0.96	0.00	5.00	0.80	0.66	2.28	34.15	-0.03	42.91	6.00
973	9.73	5.42	50.23	-4.60	0.93	5.42	0.93	5.00	2.11	18.14	168.93	0.00	168.93	31.08	0.96	0.00	5.00	0.80	0.66	2.28	34.41	-0.03	43.15	6.00
974	9.74	5.44	50.20	-4.50	0.92	5.44	0.92	5.00	2.11	18.14	169.11	0.00	169.11	31.16	0.95	0.00	5.00	0.80	0.66	2.27	34.53	-0.03	43.28	6.00
975	9.75	5.44	49.88	-4.41	0.92	5.44	0.92	5.00	2.10	18.13	169.29	0.00	169.29	31.13	0.95	0.00	5.00	0.80	0.66	2.27	34.50	-0.03	43.35	6.00
976	9.76	5.44	49.82	-4.41	0.92	5.44	0.92	5.00	2.10	18.13	169.48	0.00	169.48	31.09	0.95	0.00	5.00	0.80	0.66	2.27	34.47	-0.03	43.35	6.00
977	9.77	5.40	50.07	-4.41	0.93	5.40	0.93	5.00	2.11	18.14	169.66	0.00	169.66	30.82	0.96	0.00	5.00	0.80	0.66	2.28	34.13	-0.03	42.98	6.00
978	9.78	5.38	50.23	-4.31	0.93	5.38	0.93	5.00	2.11	18.14	169.84	0.00	169.84	30.67	0.96	0.00	5.00	0.80	0.66	2.28	33.95	-0.03	42.78	6.00
979	9.79	5.36	50.64	-4.31	0.95	5.36	0.94	5.00	2.12	18.15	170.02	0.00	170.02	30.52	0.98	0.00	5.00	0.81	0.66	2.29	33.75	-0.03	42.50	6.00
980	9.80	5.36	50.64	-4.31	0.95	5.36	0.94	5.00	2.12	18.15	170.20	0.00	170.20	30.49	0.98	0.00	5.00	0.81	0.66	2.29	33.72	-0.03	42.48	6.00
981	9.81	5.35	50.79	-4.22	0.95	5.35	0.95	5.00	2.12	18.15	170.38	0.00	170.38	30.39	0.98	0.00	5.00	0.81	0.66	2.29	33.61	-0.02	42.35	6.00
982	9.82	5.35	50.95	-4.12	0.95	5.35	0.95	5.00	2.12	18.15	170.56	0.00	170.56	30.36	0.98	0.00	5.00	0.81	0.66	2.29	33.57	-0.02	42.29	6.00
983	9.83	5.35	51.05	-4.03	0.95	5.35	0.95	5.00	2.12	18.15	170.75	0.00	170.75	30.33	0.99	0.00	5.00	0.81	0.66	2.29	33.53	-0.02	42.24	6.00
984	9.84	5.36	50.98	-4.03	0.95	5.36	0.95	5.00	2.12	18.15	170.93	0.00	170.93	30.35	0.98	0.00	5.00	0.81	0.66	2.29	33.57	-0.02	42.31	6.00
985	9.85	5.36	51.05	-3.93	0.95	5.36	0.95	5.00	2.12	18.16	171.11	0.00	171.11	30.32	0.98	0.00	5.00	0.81	0.65	2.29	33.53	-0.02	42.27	6.00
986	9.86	5.37	51.17	-3.83	0.95	5.37	0.95	5.00	2.12	18.16	171.29	0.00	171.29	30.35	0.98	0.00	5.00	0.81	0.65	2.29	33.57	-0.02	42.28	6.00
987	9.87	5.35	51.27	-3.83	0.96	5.35	0.96	5.00	2.12	18.16	171.47	0.00	171.47	30.20	0.99	0.00	5.00	0.81	0.65	2.29	33.39	-0.02	42.10	6.00
988	9.88	5.30	51.77	-3.74	0.98	5.30	0.98	5.00	2.13	18.17	171.65	0.00	171.65	29.87	1.01	0.00	5.00	0.81	0.65	2.30	32.97	-0.02	41.60	6.00
989	9.89	5.26	52.18	-3.64	0.99	5.26	0.99	5.00	2.14	18.17	171.84	0.00	171.84	29.61	1.03	0.00	5.00	0.82	0.65	2.31	32.64	-0.02	41.20	6.00
990	9.90	5.21	52.40	-3.64	1.01	5.21	1.01	5.00	2.14	18.17	172.02	0.00	172.02	29.28	1.04	0.00	5.00	0.82	0.65	2.32	32.23	-0.02	40.79	6.00

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
991	9.91	5.15	52.28	-3.64	1.02	5.15	1.02	5.00	2.15	18.17	172.20	0.00	172.20	28.90	1.05	0.00	5.00	0.82	0.65	2.33	31.77	-0.02	40.41	6.00
992	9.92	5.15	52.28	-3.64	1.02	5.15	1.02	5.00	2.15	18.17	172.38	0.00	172.38	28.87	1.05	0.00	5.00	0.82	0.65	2.33	31.74	-0.02	40.39	6.00
993	9.93	5.15	52.28	-3.64	1.02	5.15	1.02	5.00	2.15	18.17	172.56	0.00	172.56	28.84	1.05	0.00	5.00	0.82	0.65	2.33	31.71	-0.02	40.37	6.00
994	9.94	4.45	44.17	-1.92	0.99	4.45	0.99	5.00	2.20	17.92	172.74	0.00	172.74	24.76	1.03	0.00	5.00	0.84	0.64	2.38	26.91	-0.01	37.74	6.00
995	9.95	4.29	44.20	-2.01	1.03	4.29	1.03	5.00	2.22	17.90	172.92	0.00	172.92	23.81	1.07	0.00	5.00	0.85	0.63	2.41	25.75	-0.01	36.61	6.00
996	9.96	4.10	44.14	-2.11	1.08	4.10	1.08	5.00	2.24	17.89	173.10	0.00	173.10	22.68	1.12	0.00	5.00	0.87	0.63	2.44	24.37	-0.01	35.29	6.00
997	9.97	3.90	44.14	-2.11	1.13	3.90	1.13	5.00	2.27	17.87	173.28	0.00	173.28	21.50	1.18	0.00	5.00	0.88	0.62	2.47	22.95	-0.01	33.90	6.00
998	9.98	3.64	44.43	-2.11	1.22	3.64	1.22	5.00	2.32	17.85	173.46	0.00	173.46	19.98	1.28	0.00	5.00	0.90	0.62	2.52	21.12	-0.01	32.06	4.00
999	9.99	3.14	47.45	-2.20	1.51	3.14	1.51	5.00	2.42	17.87	173.64	0.00	173.64	17.08	1.60	0.00	4.00	0.94	0.60	2.64	17.62	-0.01	28.13	4.00
1000	10.00	2.92	49.22	-2.30	1.69	2.92	1.69	5.00	2.48	17.88	173.81	0.00	173.81	15.80	1.79	0.00	4.00	0.96	0.59	2.70	16.10	-0.01	26.40	4.00

GeoDeep
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	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
1	0.01	0.00	0.00	0.00	0.00E+000	0.00E+000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	13.73	N/A	N/A	N/A	N/A
2	0.02	0.01	0.03	1.00	0.00E+000	0.00E+000	0.00	0.00	0.00	0.00	0.00	1.10	15.00	0.65	2.36	0.30	0.06	28.03	0.00	1.00	22.69	0.00	0.65	54.34	10.43	0.11	13.73	N/A	N/A	N/A	N/A
3	0.03	0.11	0.03	0.00	0.00E+000	0.00E+000	1.00	0.24	0.00	0.00	0.00	3.93	0.00	0.00	0.00	0.30	0.00	53.00	0.00	0.00	0.00	0.00	0.00	11.75	25.41	0.07	13.73	N/A	N/A	N/A	N/A
4	0.04	0.11	0.03	0.00	0.00E+000	0.00E+000	1.00	0.24	0.00	0.00	0.00	3.93	0.00	0.00	0.00	0.30	0.00	52.98	0.00	0.00	0.00	0.00	0.00	11.76	25.40	0.05	13.73	N/A	N/A	N/A	N/A
5	0.05	0.13	0.03	0.00	0.00E+000	0.00E+000	1.00	0.33	0.00	0.00	0.00	4.29	0.00	0.00	0.00	0.30	0.00	55.33	0.00	0.00	0.00	0.00	0.00	10.47	26.72	0.04	13.73	N/A	N/A	N/A	N/A
6	0.06	1.34	0.35	0.00	0.00E+000	0.00E+000	4.00	16.78	0.00	0.00	0.00	12.33	0.00	0.00	0.00	0.30	0.00	93.86	0.00	0.00	0.00	0.00	0.00	1.40	36.94	0.02	13.73	N/A	N/A	N/A	N/A
7	0.07	1.87	0.50	0.00	0.00E+000	0.00E+000	5.00	19.51	0.00	0.00	0.00	14.34	0.00	0.00	0.00	0.30	0.00	101.21	0.00	0.00	0.00	0.00	0.00	1.26	46.67	0.04	13.73	N/A	N/A	N/A	N/A
8	0.08	2.36	0.91	0.00	0.00E+000	0.00E+000	6.00	21.07	0.00	0.00	0.00	15.48	0.00	0.00	0.00	0.30	0.00	105.16	0.00	0.00	0.00	0.00	0.00	1.17	54.45	0.07	13.73	N/A	N/A	N/A	N/A
9	0.09	2.42	1.10	0.00	0.00E+000	0.00E+000	6.00	21.14	0.00	0.00	0.00	15.54	0.00	0.00	0.00	0.30	0.00	105.34	0.00	0.00	0.00	0.00	0.00	1.15	54.92	0.08	13.73	N/A	N/A	N/A	N/A
10	0.10	2.29	4.95	6.00	1.52E-005	3.52E-002	6.00	22.78	36.00	30.81	18.18	18.47	0.00	0.00	0.00	0.30	0.00	109.36	-0.02	0.00	0.00	0.00	0.83	1.24	55.99	0.08	15.15	N/A	N/A	N/A	N/A
11	0.11	2.23	5.11	6.00	1.33E-005	3.08E-002	6.00	22.71	35.00	30.70	18.12	18.44	0.00	0.00	0.00	0.30	0.00	109.19	-0.01	0.00	0.00	0.00	0.91	1.25	55.07	0.08	15.17	N/A	N/A	N/A	N/A
12	0.12	2.08	5.68	6.00	9.19E-006	2.12E-002	5.00	22.65	34.00	30.41	18.07	18.51	0.00	0.00	0.00	0.30	0.00	109.05	-0.01	0.00	0.00	0.00	0.99	1.29	52.86	0.07	15.27	N/A	N/A	N/A	N/A
13	0.13	1.90	10.12	5.00	3.22E-006	8.20E-003	6.00	25.02	33.00	30.63	19.96	21.28	0.00	0.00	0.00	0.30	0.00	114.60	-0.01	0.00	0.00	0.00	1.10	1.46	54.56	0.07	15.90	N/A	N/A	N/A	N/A
14	0.14	1.81	11.48	5.00	2.21E-006	5.75E-003	5.00	25.50	32.00	30.77	20.35	21.86	0.00	0.00	0.00	0.30	0.00	115.70	-0.02	0.00	0.00	0.00	1.20	1.56	55.65	0.08	16.02	N/A	N/A	N/A	N/A
15	0.15	1.76	11.54	5.00	1.95E-006	5.05E-003	5.00	25.35	31.00	30.75	20.23	21.73	0.00	0.00	0.00	0.30	0.00	115.36	-0.02	0.00	0.00	0.00	1.29	1.60	55.51	0.08	16.02	N/A	N/A	N/A	N/A
16	0.16	1.64	13.18	5.00	1.20E-006	2.80E-003	5.00	22.91	30.00	31.06	20.59	22.29	0.00	0.00	0.00	0.30	0.00	116.39	-0.02	0.00	0.00	0.00	1.41	1.80	58.07	0.10	16.14	N/A	N/A	N/A	N/A
17	0.17	1.51	17.53	5.00	5.40E-007	1.16E-003	5.00	21.09	29.00	32.06	21.89	24.14	0.00	0.00	0.00	0.30	0.00	120.01	-0.04	0.00	0.00	0.00	1.56	2.26	67.16	0.20	16.44	N/A	N/A	N/A	N/A
18	0.18	1.46	17.94	5.00	4.50E-007	9.36E-004	5.00	20.39	29.00	32.22	21.86	24.13	0.00	0.00	0.00	0.30	0.00	119.94	-0.05	0.00	0.00	0.00	1.68	2.39	68.69	0.23	16.45	N/A	N/A	N/A	N/A
19	0.19	1.42	23.33	5.00	2.55E-007	5.16E-004	5.00	19.82	28.00	33.29	23.56	26.46	0.00	0.00	0.00	0.30	0.00	124.50	-0.07	0.00	0.00	0.00	1.86	2.87	80.23	0.60	16.75	N/A	N/A	N/A	N/A
20	0.20	1.42	24.88	5.00	2.28E-007	4.60E-004	5.00	19.82	28.00	33.54	24.05	27.13	0.00	0.00	0.00	0.30	0.00	125.79	-0.07	0.00	0.00	0.00	1.99	2.98	83.30	0.66	16.82	N/A	N/A	N/A	N/A
21	0.21	1.40	30.68	4.00	1.45E-007	2.89E-004	5.00	19.51	0.00	0.00	0.00	29.36	15.00	92.90	29.33	0.30	8.25	129.97	0.00	1.00	3.18	0.00	92.90	3.46	95.06	0.58	17.05	N/A	N/A	N/A	N/A
22	0.22	1.39	33.67	4.00	1.18E-007	2.33E-004	5.00	19.35	0.00	0.00	0.00	30.43	15.00	92.14	27.59	0.30	8.18	131.90	0.00	1.00	2.87	0.00	92.14	3.70	100.99	0.58	17.16	N/A	N/A	N/A	N/A
23	0.23	1.38	38.25	4.00	8.92E-008	1.74E-004	6.00	19.18	0.00	0.00	0.00	32.00	15.00	91.35	26.01	0.30	8.11	134.70	0.00	1.00	2.51	0.00	91.35	4.06	109.71	0.58	17.30	N/A	N/A	N/A	N/A
24	0.24	1.37	41.40	4.00	7.40E-008	1.44E-004	6.00	19.03	0.00	0.00	0.00	33.01	15.00	90.64	24.59	0.30	8.05	136.46	0.00	1.00	2.30	0.00	90.64	4.31	115.63	0.58	17.39	N/A	N/A	N/A	N/A
25	0.25	1.34	46.51	4.00	5.34E-008	1.01E-004	6.00	18.61	0.00	0.00	0.00	34.47	15.00	88.60	22.94	0.30	7.87	138.96	0.00	1.00	2.00	0.00	88.60	4.78	125.46	0.58	17.51	N/A	N/A	N/A	N/A
26	0.26	1.31	49.03	4.00	4.36E-008	8.09E-005	6.00	18.19	0.00	0.00	0.00	35.06	15.00	86.61	21.45	0.30	7.69	139.93	0.00	1.00	1.85	0.00	86.61	5.10	130.72	0.58	17.57	N/A	N/A	N/A	N/A
27	0.27	1.27	53.38	3.00	3.22E-008	5.78E-005	6.00	17.63	0.00	0.00	0.00	36.09	15.00	83.95	19.92	0.30	7.46	141.61	0.00	1.00	1.65	0.00	83.95	5.60	139.26	0.58	17.65	N/A	N/A	N/A	N/A
28	0.28	1.24	55.27	3.00	2.70E-008	4.74E-005	6.00	17.21	0.00	0.00	0.00	36.42	15.00	81.94	18.66	0.30	7.28	142.13	0.00	1.00	1.56	0.00	81.94	5.91	143.36	0.58	17.68	N/A	N/A	N/A	N/A
29	0.29	1.21	56.94	3.00	2.29E-008	3.91E-005	6.00	16.79	0.00	0.00	0.00	36.67	15.00	79.93	17.50	0.30	7.10	142.52	0.00	1.00	1.47	0.00	79.93	6.21	147.09	0.58	17.71	N/A	N/A	N/A	N/A
30	0.30	1.18	58.49	3.00	1.94E-008	3.24E-005	5.00	16.37	0.00	0.00	0.00	36.87	15.00	77.93	16.42	0.30	6.92	142.82	0.00	1.00	1.40	0.00	77.93	6.53	150.58	0.58	17.73	N/A	N/A	N/A	N/A
31	0.31	1.16	60.16	3.00	1.70E-008	2.79E-005	5.00	16.08	0.00	0.00	0.00	37.16	15.00	76.59	15.56	0.30	6.80	143.29	0.00	1.00	1.34	0.00	76.59	6.79	153.89	0.58	17.76	N/A	N/A	N/A	N/A
32	0.32	1.13	62.02	3.00	1.42E-008	2.27E-005	5.00	15.66	0.00	0.00	0.00	37.42	15.00	74.56	14.62	0.30	6.62	143.68	0.00	1.00	1.26	0.00	74.56	7.15	157.81	0.58	17.78	N/A	N/A	N/A	N/A
33	0.33	1.11	62.59	3.00	1.29E-008	2.02E-005	5.00	15.37	0.00	0.00	0.00	37.40	15.00	73.19	13.87	0.30	6.50	143.63	0.00	1.00	1.23	0.00	73.19	7.35	159.39	0.58	17.78	N/A	N/A	N/A	N/A
34	0.34	1.06	62.43	3.00	1.06E-008	1.58E-005	5.00	14.67	0.00	0.00	0.00	36.93	15.00	69.84	12.80	0.30	6.20	142.81	0.00	1.00	1.17	0.00	69.84	7.78	160.87	0.58	17.76	N/A	N/A	N/A	N/A
35	0.35	1.04	61.64	3.00	1.00E-008	1.47E-005	5.00	14.39	0.00	0.00	0.00	36.55	15.00	68.51	12.16	0.30	6.09	142.17	0.00	1.00	1.17	0.00	68.51	7.90	160.35	0.58	17.74	N/A	N/A	N/A	N/A
36	0.36	1.00	58.36	3.00	9.54E-009	1.35E-005	5.00	13.86	0.00	0.00	0.00	35.36	15.00	65.99	11.36	0.30	5.86	140.14	0.00	1.00	1.19	0.00	65.99	8.02	156.59	0.58	17.66	N/A	N/A	N/A	N/A
37	0.37	0.99	57.07	3.00	9.62E-009	1.35E-005	5.00	13.74	0.00	0.00	0.00	34.95	15.00	65.41	10.93	0.30	5.81	139.42	0.00	1.00	1.20	0.00	65.41	8.00	154.87	0.58	17.64	N/A	N/A	N/A	N/A
38	0.38	0.97	53.54	3.00	1.00E-008	1.38E-005	5.00	13.46	0.00	0.00	0.00	33.82	15.00	64.08	10.40	0.30	5.69	137.48	0.00	1.00	1.26	0.00	64.08	7.90	149.93	0.58	17.55	N/A	N/A	N/A	N/A
39	0.39	0.96	51.84	3.00	1.02E-008	1.39E-005	5.00	13.31	0.00	0.00	0.00	33.26	15.00	63.40	10.00	0.30	5.63	136.50	0.00	1.00	1.28	0.00	63.40	7.86	147.52	0.58	17.51	N/A	N/A	N/A	N/A
40	0.40	0.96	47.96	3.00	1.19E-008	1.62E-005	5.00	13.31	0.00	0.00	0.00	32.17	15.00	63.38	9.74	0.30	5.63	134.58	0.00	1.00	1.39	0.00	63.38	7.52	141.08	0.58	17.42	N/A	N/A	N/A	N/A
41	0.41	0.95	46.03	3.00	1.24E-008	1.66E-005	5.00	13.17	0.00	0.00	0.00	31.52	15.00	62.70	9.38	0.30	5.57	133.42	0.00	1.00	1.43	0.00	62.70	7.44	138.15	0.58	17.37	N/A	N/A	N/A	N/A
42	0.42	0.94	44.80	3.00	1.25E-008	1.66E-005	5.00	13.03	0.00	0.00	0.00	31.08	15.00	62.04	9.05	0.30	5.51	132.62	0.00	1.00	1.45	0.00	62.04	7.42	136.36	0.58	17.34	N/A	N/A	N/A	N/A
43	0.43	0.92	41.59	3.00	1.32E-008	1.71E-005	4.00	12.75	0.00	0.00	0.00	29.96	15.00	60.70	8.63	0.30	5.39	130.55	0.00	1.00	1.53	0.00	60.70	7.31	131.38	0.58	17.24	N/A	N/A	N/A	N/A
44	0.44	0.92	40.30	3.00	1.40E-008	1.81E-005	4.00	12.74	0.00	0.00	0.00	29.56	15.00	60.66	8.42	0.30	5.39	129.81	0.00	1.00	1.58	0.00	60.66	7.19	129.07	0.58	17.21	N/A	N/A	N/A	N/A
45	0.45	0.91	39.19	3.00	1.41E-008	1.81E-005	4.00	12.60	0.00	0.00	0.00	29.13	15.00	60.00	8.14	0.30	5.33	129.01	0.00	1.00	1.61	0.00	60.00	7.17	127.38	0.58	17.17	N/A	N/A	N/A	N/A
46	0.46	0.90	36.83	3.00	1.51E-008	1.91E-005	4.00	12.45	0.00	0.00	0.00	28.30	15.00	59.27	7.86	0.30	5.26	127.43	0.00	1.00	1.69	0.00	59.27	7.03	123.36	0.58	17.09	N/A	N/A	N/A	N/A
47	0.47	0.91	35.91	3.00	1.66E-008	2.13E-005	4.00	12.58	0.00	0.00	0.00	28.08	15.00	59.91	7.76	0.30	5.32	127.03	0.00	1.00	1.75	0.00	59.91	6.84	121.28	0.58	17.07	N/A	N/A	N/A	N/A
48	0.48	0.93	34.12	3.00	2.00E-008	2.63E-005	4.00	12.85	0.00	0.00	0.00	27.63	15.00	61.21	7.76	0.30	5.44	126.21	0.00	1.00	1.88	0.00	61.21	6.46	117.15	0.58	17.02	N/A	N/A	N/A	N/A
49	0.49	0.96	33.64	3.00	2.36E-008	3.19E-005	4.00	13.26	0.00	0.00	0.00	27.69	15.00	63.17	7.84	0.30	5.61	126.35	0.00	1.00	1.97	0.00	63.17	6.16	115.19	0.58	17.01	N/A	N/A	N/A	N/A
50	0.50	0.99	33.30	4.00	2.74E-008	3.83E-005	4.00	13.68	0.00	0.00	0.00	27.79	15.00	65.16	7.92	0.30	5.79	126.57	0.00	1.00	2.05	0.00	65.16	5.88	113.48	0.58	17.01	N/A	N/A	N/A	N/A
51	0.51	1.07	32.66	4.00	3.97E-008	5.99E-005	5.00	14.80	0.00	0.00	0.00	28.11	15.00	70.46	8.39	0.30	6.26	127.28	0.00	1.00	2.27	0.00	70.46	5.25	109.49	0.58	17.02	N/A	N/A	N/A	N/A
52	0.52	1.13	32.60	4.00	5.05E-008	8.04E-005	5.00	15.63	0.00	0.00	0.00	28.48	15.00	74.45	8.69	0.30	6.61	128.04	0.00	1.00	2.40	0.00	74.45	4.87	107.34	0.58	17.04	N/A	N/A	N/A	N/A
53	0.53	1.29	32.63	4.00	8.92E-008	1.63E-004	5.00	17.87	0.00	0.00	0.00	29.46	15.00	85.11	9.74	0.30	7.56	130.02	0.00	1.00	2.74	0.00	85.11	4.06	102.21	0.58	17.09	N/A	N/A	N/A	N/A
54	0.54	1.38	32.66	4.00	1.19E-007	2.33E-004	5.00	19.14	0.00	0.00	0.00	29.98	15.00	91.13	10.23	0.30	8.09	131.06	0.00	1.00	2.93	0.00	91.13	3.69	99.55	0.58	17.12	N/A	N/A	N/A	N/A
55	0.55	1.59	32.92	4.00	2.16E-007	4.87E-004	6.00	22.08	0.00	0.00	0.00	31.17	15.00	105.16	11.58	0.30	9.34	133.39	0.00	1.00	3.35	0.00	105.16	3.03	94.38	0.58	17.18	N/A	N/A	N/A	N/A
56	0.56	1.66	33.96	5.00	2.46E-007	5.78E-004	6.00	23.07	30.00	34.41	27.60	31.91	0.00	0.00	0.00	0.30	0.00	134.76	-0.09	0.00	0.00	0.00	6.34	2.91	94.53	0.69	17.24	N/A	N/A	N/A	N/A
57	0.57	1.69	35.79	5.00	2.41E-007	5.76E-004	6.00	23.49	31.00	34.59	28.22	32.75	0.00	0.00	0.00	0.30	0.00	136.26	-0.10	0.00	0.00	0.00	6.50	2.93	96.94	0.69	17.30	N/A	N/A	N/A	N/A
58	0.58	1.68	37.21	4.00	2.18E-007	5.18E-004	6.00	23.35	0.00	0.00	0.00	33.22	15.00	111.18	11.58	0.30	9.88	137.07	0.00	1.00	3.14	0.00	111.18	3.02	99.56	0.58	17.35	N/A	N/A	N/A	N/A
59	0.59	1.61	40.86	4.00	1.52E-007	3.45E-004	6.00	22.37	0.00	0.00	0.00	34.17	15.00	106.51	10.90	0.30	9.46	138.65	0.00	1.00	2.74	0.00	106.51	3.41	107.52	0.58	17.44	N/A	N/A	N/A	N/A
60	0.60	1.57	42.53	4.00	1.25E-007	2.79E-004	6.00	21.80	0.00	0.00	0.00	34.52	15.00	103.79	10.43	0.30	9.22	139.22	0.00	1.00	2.56	0.00	103.79	3.63	111.49	0.58	17.47	N/A	N/A	N/A	N/A
61	0.61	1.52	44.17	4.00	1.01E-007	2.18E-004	6.00	21.10	0.00	0.00	0.00	34.80	15.00	100.47	9.92	0.30	8.92	139.64	0.00	1.00	2.39	0.00	100.47	3.89	115.73	0.58	17.51	N/A	N/A	N/A	N/A
62	0.62	1.40	44.90	4.00	6.88E-008	1.36E-004	6.00	19.42	0.00	0.00	0.00	34.33	15.00	92.48	8.98	0.30	8.21	138.75	0.00	1.00	2.16	0.00	92.48	4.41	120.78	0.58	17.49	N/A	N/A	N/A	N/A
63	0.63	1.35	44.58	4.00	5.96E-008	1.14E-004	6.00	18.72	0.00	0.00	0.00	33.92	15.00	89.14	8.51	0.30	7.92	138.00	0.00	1.00	2.10	0.00	89.14	4.62	121.89	0.58	17.47	N/A	N/A	N/A	N/A
64	0.64	1.31	44.55	4.00	5.24E-008	9.70E-005	6.00	18.16	0.00	0.00	0.00	33.65	15.00	86.47	8.12	0.30	7.68	137.52	0.00	1.00	2.04	0.00	86.47	4.81	123.19	0.58	17.46	N/A	N/A	N/A	N/A
65	0.65	1.25	43.39	4.00	4.50E-008	7.95E-005	5.00	17.32	0.00	0.00	0.00	32.89	15.00	82.46	7.62	0.30	7.32	136.14	0.00	1.00	2.00	0.00	82.46	5.05	123.22	0.58	17.41	N/A	N/A	N/A	N/A
66	0.66	1.22	43.13	4.00	4.10E-008	7.06E-005	5.00	16.89	0.00	0.00	0.00	32.61	15.00	80.45	7.32	0.30	7.15	135.62	0.00	1.00	1.96	0.00	80.45	5.20	123.81	0.58	17.39	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
67	0.67	1.18	41.56	4.00	3.81E-008	6.35E-005	5.00	16.33	0.00	0.00	0.00	31.84	15.00	77.77	6.96	0.30	6.91	134.22	0.00	1.00	1.96	0.00	77.77	5.32	122.41	0.58	17.34	N/A	N/A	N/A	N/A
68	0.68	1.16	40.61	4.00	3.70E-008	6.06E-005	5.00	16.05	0.00	0.00	0.00	31.40	15.00	76.43	6.74	0.30	6.79	133.41	0.00	1.00	1.98	0.00	76.43	5.36	121.40	0.58	17.30	N/A	N/A	N/A	N/A
69	0.69	1.14	39.82	4.00	3.57E-008	5.73E-005	5.00	15.77	0.00	0.00	0.00	31.00	15.00	75.08	6.52	0.30	6.67	132.68	0.00	1.00	1.98	0.00	75.08	5.43	120.67	0.58	17.28	N/A	N/A	N/A	N/A
70	0.70	1.11	37.24	4.00	3.61E-008	5.65E-005	5.00	15.35	0.00	0.00	0.00	29.95	15.00	73.07	6.25	0.30	6.49	130.73	0.00	1.00	2.06	0.00	73.07	5.41	116.94	0.58	17.19	N/A	N/A	N/A	N/A
71	0.71	1.10	35.69	4.00	3.77E-008	5.84E-005	5.00	15.20	0.00	0.00	0.00	29.35	15.00	72.39	6.10	0.30	6.43	129.63	0.00	1.00	2.13	0.00	72.39	5.34	114.37	0.58	17.14	N/A	N/A	N/A	N/A
72	0.72	1.10	30.87	4.00	4.96E-008	7.68E-005	5.00	15.20	0.00	0.00	0.00	27.66	15.00	72.38	6.02	0.30	6.43	126.45	0.00	1.00	2.46	0.00	72.38	4.90	104.94	0.58	16.97	N/A	N/A	N/A	N/A
73	0.73	1.09	28.25	4.00	5.62E-008	8.62E-005	5.00	15.06	0.00	0.00	0.00	26.62	15.00	71.70	5.88	0.30	6.37	124.44	0.00	1.00	2.67	0.00	71.70	4.71	99.93	0.58	16.86	N/A	N/A	N/A	N/A
74	0.74	1.10	23.17	4.00	8.37E-008	1.30E-004	4.00	15.20	0.00	0.00	0.00	24.66	15.00	72.36	5.85	0.30	6.43	120.58	0.00	1.00	3.28	0.00	72.36	4.14	88.72	0.58	16.64	N/A	N/A	N/A	N/A
75	0.75	1.12	21.22	4.00	1.06E-007	1.66E-004	4.00	15.47	0.00	0.00	0.00	23.94	15.00	73.68	5.88	0.30	6.54	119.15	0.00	1.00	3.65	0.00	73.68	3.84	83.76	0.58	16.54	N/A	N/A	N/A	N/A
76	0.76	1.13	19.83	4.00	1.23E-007	1.96E-004	4.00	15.61	0.00	0.00	0.00	23.38	15.00	74.34	5.86	0.30	6.60	118.01	0.00	1.00	3.94	0.00	74.34	3.65	80.31	0.58	16.47	N/A	N/A	N/A	N/A
77	0.77	1.17	19.67	4.00	1.45E-007	2.39E-004	5.00	16.17	0.00	0.00	0.00	23.52	15.00	76.99	5.99	0.30	6.84	118.34	0.00	1.00	4.11	0.00	76.99	3.46	78.85	0.53	16.47	N/A	N/A	N/A	N/A
78	0.78	1.19	19.74	4.00	1.55E-007	2.60E-004	5.00	16.45	0.00	0.00	0.00	23.66	15.00	78.31	6.01	0.30	6.96	118.65	0.00	1.00	4.17	0.00	78.31	3.38	78.48	0.51	16.48	N/A	N/A	N/A	N/A
79	0.79	1.23	20.15	4.00	1.72E-007	2.98E-004	5.00	17.00	0.00	0.00	0.00	24.05	15.00	80.97	6.14	0.30	7.19	119.50	0.00	1.00	4.22	0.00	80.97	3.27	78.37	0.51	16.52	N/A	N/A	N/A	N/A
80	0.80	1.26	20.75	4.00	1.81E-007	3.22E-004	5.00	17.42	0.00	0.00	0.00	24.47	15.00	82.96	6.21	0.30	7.37	120.39	0.00	1.00	4.20	0.00	82.96	3.21	78.93	0.53	16.56	N/A	N/A	N/A	N/A
81	0.81	1.06	23.40	4.00	6.97E-008	1.04E-004	4.00	14.62	0.00	0.00	0.00	24.51	15.00	69.61	5.15	0.30	6.18	120.23	0.00	1.00	3.12	0.00	69.61	4.39	90.52	0.58	16.64	N/A	N/A	N/A	N/A
82	0.82	1.06	23.40	4.00	6.97E-008	1.04E-004	4.00	14.62	0.00	0.00	0.00	24.51	15.00	69.60	5.09	0.30	6.18	120.23	0.00	1.00	3.12	0.00	69.60	4.39	90.53	0.58	16.64	N/A	N/A	N/A	N/A
83	0.83	1.06	23.40	4.00	6.96E-008	1.04E-004	4.00	14.61	0.00	0.00	0.00	24.51	15.00	69.59	5.02	0.30	6.18	120.23	0.00	1.00	3.12	0.00	69.59	4.39	90.53	0.58	16.64	N/A	N/A	N/A	N/A
84	0.84	1.17	23.05	4.00	1.09E-007	1.80E-004	5.00	16.15	0.00	0.00	0.00	25.00	15.00	76.89	5.48	0.30	6.83	121.33	0.00	1.00	3.50	0.00	76.89	3.80	86.42	0.58	16.66	N/A	N/A	N/A	N/A
85	0.85	1.17	23.05	4.00	1.09E-007	1.80E-004	5.00	16.14	0.00	0.00	0.00	24.99	15.00	76.87	5.42	0.30	6.83	121.33	0.00	1.00	3.50	0.00	76.87	3.80	86.43	0.58	16.66	N/A	N/A	N/A	N/A
86	0.86	1.17	23.05	4.00	1.09E-007	1.80E-004	5.00	16.14	0.00	0.00	0.00	24.99	15.00	76.86	5.36	0.30	6.83	121.33	0.00	1.00	3.50	0.00	76.86	3.80	86.43	0.58	16.66	N/A	N/A	N/A	N/A
87	0.87	1.29	22.73	4.00	1.70E-007	3.08E-004	5.00	17.81	0.00	0.00	0.00	25.49	15.00	84.80	5.84	0.30	7.53	122.45	0.00	1.00	3.92	0.00	84.80	3.28	82.46	0.58	16.68	N/A	N/A	N/A	N/A
88	0.88	1.66	24.44	5.00	4.39E-007	1.03E-003	6.00	22.97	30.00	33.09	24.75	27.98	0.00	0.00	0.00	0.30	0.00	127.60	-0.06	0.00	0.00	0.00	9.57	2.41	78.02	0.49	16.86	N/A	N/A	N/A	N/A
89	0.89	1.67	26.83	5.00	3.83E-007	9.02E-004	6.00	23.12	31.00	33.44	25.54	29.06	0.00	0.00	0.00	0.30	0.00	129.63	-0.07	0.00	0.00	0.00	9.81	2.52	82.06	0.66	16.97	N/A	N/A	N/A	N/A
90	0.90	1.58	33.64	4.00	1.99E-007	4.44E-004	6.00	21.87	0.00	0.00	0.00	31.37	15.00	104.12	6.93	0.30	9.25	133.73	0.00	1.00	3.25	0.00	104.12	3.12	96.03	0.58	17.21	N/A	N/A	N/A	N/A
91	0.91	1.52	37.43	4.00	1.37E-007	2.94E-004	6.00	21.01	0.00	0.00	0.00	32.45	15.00	100.05	6.58	0.30	8.89	135.58	0.00	1.00	2.81	0.00	100.05	3.52	104.35	0.58	17.31	N/A	N/A	N/A	N/A
92	0.92	1.38	40.96	4.00	7.62E-008	1.48E-004	6.00	19.07	0.00	0.00	0.00	32.88	15.00	90.82	5.91	0.30	8.07	136.24	0.00	1.00	2.33	0.00	90.82	4.27	114.77	0.58	17.38	N/A	N/A	N/A	N/A
93	0.93	1.32	41.43	4.00	6.15E-008	1.14E-004	6.00	18.23	0.00	0.00	0.00	32.68	15.00	86.82	5.58	0.30	7.71	135.82	0.00	1.00	2.20	0.00	86.82	4.57	117.56	0.58	17.38	N/A	N/A	N/A	N/A
94	0.94	1.20	41.40	4.00	4.07E-008	6.86E-005	5.00	16.55	0.00	0.00	0.00	31.89	15.00	78.81	5.01	0.30	7.00	134.33	0.00	1.00	2.00	0.00	78.81	5.21	121.58	0.58	17.34	N/A	N/A	N/A	N/A
95	0.95	1.14	41.24	4.00	3.28E-008	5.25E-005	5.00	15.71	0.00	0.00	0.00	31.44	15.00	74.80	4.71	0.30	6.64	133.45	0.00	1.00	1.90	0.00	74.80	5.57	123.38	0.58	17.32	N/A	N/A	N/A	N/A
96	0.96	1.06	40.42	3.00	2.48E-008	3.69E-005	5.00	14.59	0.00	0.00	0.00	30.61	15.00	69.46	4.32	0.30	6.17	131.87	0.00	1.00	1.80	0.00	69.46	6.06	124.70	0.58	17.26	N/A	N/A	N/A	N/A
97	0.97	1.02	39.85	3.00	2.16E-008	3.08E-005	5.00	14.02	0.00	0.00	0.00	30.13	15.00	66.78	4.11	0.30	5.93	130.96	0.00	1.00	1.76	0.00	66.78	6.33	125.06	0.58	17.23	N/A	N/A	N/A	N/A
98	0.98	0.95	38.66	3.00	1.68E-008	2.23E-005	4.00	13.04	0.00	0.00	0.00	29.22	15.00	62.10	3.78	0.30	5.52	129.20	0.00	1.00	1.69	0.00	62.10	6.82	125.31	0.58	17.17	N/A	N/A	N/A	N/A
99	0.99	0.92	37.58	3.00	1.54E-008	1.98E-005	4.00	12.62	0.00	0.00	0.00	28.64	15.00	60.09	3.62	0.30	5.34	128.08	0.00	1.00	1.68	0.00	60.09	6.99	124.34	0.58	17.13	N/A	N/A	N/A	N/A
100	1.00	0.89	35.98	3.00	1.45E-008	1.80E-005	4.00	12.20	0.00	0.00	0.00	27.89	15.00	58.08	3.47	0.30	5.16	126.62	0.00	1.00	1.70	0.00	58.08	7.11	122.35	0.58	17.06	N/A	N/A	N/A	N/A
101	1.01	0.83	33.11	3.00	1.25E-008	1.45E-005	4.00	11.35	0.00	0.00	0.00	26.47	15.00	54.07	3.19	0.30	4.80	123.80	0.00	1.00	1.71	0.00	54.07	7.42	118.83	0.58	16.94	N/A	N/A	N/A	N/A
102	1.02	0.81	31.37	3.00	1.24E-008	1.40E-005	4.00	11.07	0.00	0.00	0.00	25.72	15.00	52.73	3.08	0.30	4.68	122.31	0.00	1.00	1.76	0.00	52.73	7.43	116.04	0.58	16.87	N/A	N/A	N/A	N/A
103	1.03	0.76	25.32	3.00	1.40E-008	1.48E-005	4.00	10.37	0.00	0.00	0.00	23.19	15.00	49.38	2.86	0.30	4.39	117.08	0.00	1.00	2.05	0.00	49.38	7.18	104.95	0.58	16.60	N/A	N/A	N/A	N/A
104	1.04	0.74	21.44	3.00	1.69E-008	1.74E-005	3.00	10.09	0.00	0.00	0.00	21.55	15.00	48.04	2.76	0.30	4.27	113.56	0.00	1.00	2.35	0.00	48.04	6.80	96.73	0.58	16.40	N/A	N/A	N/A	N/A
105	1.05	0.73	17.91	4.00	2.18E-008	2.21E-005	3.00	9.95	0.00	0.00	0.00	20.02	15.00	47.36	2.69	0.30	4.21	110.16	0.00	1.00	2.78	0.00	47.36	6.30	88.35	0.58	16.19	N/A	N/A	N/A	N/A
106	1.06	0.70	12.77	4.00	3.22E-008	3.00E-005	3.00	9.13	0.00	0.00	0.00	17.42	15.00	45.35	2.56	0.30	4.03	104.07	0.00	1.00	3.73	0.00	45.35	5.60	75.21	0.39	15.78	N/A	N/A	N/A	N/A
107	1.07	0.69	11.57	4.00	3.55E-008	3.20E-005	3.00	8.86	0.00	0.00	0.00	16.74	15.00	44.67	2.50	0.30	3.97	102.40	0.00	1.00	4.05	0.00	44.67	5.44	71.91	0.30	15.66	N/A	N/A	N/A	N/A
108	1.08	0.67	10.03	4.00	3.91E-008	3.32E-005	3.00	8.34	0.00	0.00	0.00	15.77	15.00	43.33	2.40	0.30	3.85	99.95	0.00	1.00	4.54	0.00	43.33	5.27	67.66	0.21	15.49	N/A	N/A	N/A	N/A
109	1.09	0.67	9.30	4.00	4.39E-008	3.73E-005	3.00	8.33	0.00	0.00	0.00	15.35	15.00	43.32	2.38	0.30	3.85	98.90	0.00	1.00	4.89	0.00	43.32	5.09	65.25	0.17	15.40	N/A	N/A	N/A	N/A
110	1.10	0.67	8.67	4.00	4.88E-008	4.14E-005	3.00	8.33	0.00	0.00	0.00	14.98	15.00	43.31	2.36	0.30	3.85	97.95	0.00	1.00	5.25	0.00	43.31	4.92	63.10	0.15	15.32	N/A	N/A	N/A	N/A
111	1.11	0.67	8.39	4.00	5.12E-008	4.35E-005	3.00	8.33	0.00	0.00	0.00	14.81	15.00	43.30	2.34	0.30	3.85	97.51	0.00	1.00	5.42	0.00	43.30	4.85	62.14	0.13	15.28	N/A	N/A	N/A	N/A
112	1.12	0.68	8.10	4.00	5.74E-008	5.02E-005	3.00	8.58	0.00	0.00	0.00	14.69	15.00	43.96	2.35	0.30	3.90	97.24	0.00	1.00	5.70	0.00	43.96	4.67	60.83	0.12	15.25	N/A	N/A	N/A	N/A
113	1.13	0.71	7.85	4.00	7.22E-008	6.90E-005	3.00	9.38	0.00	0.00	0.00	14.72	15.00	45.95	2.44	0.30	4.08	97.38	0.00	1.00	6.15	0.00	45.95	4.34	59.09	0.11	15.23	N/A	N/A	N/A	N/A
114	1.14	0.73	7.85	4.00	8.12E-008	8.21E-005	3.00	9.92	0.00	0.00	0.00	14.83	15.00	47.27	2.49	0.30	4.20	97.73	0.00	1.00	6.32	0.00	47.27	4.18	58.54	0.10	15.24	N/A	N/A	N/A	N/A
115	1.15	0.76	7.82	4.00	9.67E-008	1.02E-004	3.00	10.34	0.00	0.00	0.00	14.99	15.00	49.26	2.58	0.30	4.38	98.19	0.00	1.00	6.61	0.00	49.26	3.95	57.62	0.09	15.25	N/A	N/A	N/A	N/A
116	1.16	0.77	7.82	4.00	1.02E-007	1.09E-004	3.00	10.48	0.00	0.00	0.00	15.04	15.00	49.92	2.59	0.30	4.43	98.36	0.00	1.00	6.70	0.00	49.92	3.88	57.36	0.09	15.25	N/A	N/A	N/A	N/A
117	1.17	0.80	7.88	4.00	1.19E-007	1.32E-004	3.00	10.90	0.00	0.00	0.00	15.25	15.00	51.91	2.67	0.30	4.61	98.95	0.00	1.00	6.92	0.00	51.91	3.69	56.78	0.09	15.28	N/A	N/A	N/A	N/A
118	1.18	0.82	7.98	4.00	1.29E-007	1.47E-004	3.00	11.18	0.00	0.00	0.00	15.42	15.00	53.23	2.72	0.30	4.73	99.43	0.00	1.00	7.00	0.00	53.23	3.59	56.62	0.09	15.30	N/A	N/A	N/A	N/A
119	1.19	0.83	8.04	4.00	1.34E-007	1.55E-004	3.00	11.32	0.00	0.00	0.00	15.51	15.00	53.88	2.73	0.30	4.79	99.68	0.00	1.00	7.04	0.00	53.88	3.55	56.57	0.09	15.31	N/A	N/A	N/A	N/A
120	1.20	0.87	8.10	5.00	1.62E-007	1.96E-004	3.00	11.87	22.00	30.79	15.32	15.76	0.00	0.00	0.00	0.30	0.00	100.39	-0.02	0.00	0.00	0.00	11.85	3.33	55.81	0.08	15.34	N/A	N/A	N/A	N/A
121	1.21	0.90	8.17	5.00	1.85E-007	2.31E-004	3.00	12.29	22.00	30.73	15.49	15.96	0.00	0.00	0.00	0.30	0.00	100.95	-0.02	0.00	0.00	0.00	11.91	3.19	55.34	0.08	15.36	N/A	N/A	N/A	N/A
122	1.22	0.92	8.20	5.00	2.01E-007	2.58E-004	3.00	12.57	23.00	30.69	15.59	16.08	0.00	0.00	0.00	0.30	0.00	101.29	-0.01	0.00	0.00	0.00	11.99	3.10	55.00	0.08	15.38	N/A	N/A	N/A	N/A
123	1.23	1.01	8.20	5.00	2.98E-007	4.20E-004	4.00	13.83	24.00	30.46	15.98	16.52	0.00	0.00	0.00	0.30	0.00	102.54	-0.01	0.00	0.00	0.00	11.97	2.73	53.20	0.07	15.41	N/A	N/A	N/A	N/A
124	1.24	1.08	8.23	5.00	3.92E-007	5.92E-004	4.00	14.81	24.00	30.32	16.28	16.86	0.00	0.00	0.00	0.30	0.00	103.50	-0.01	0.00	0.00	0.00	11.99	2.50	52.12	0.06	15.44	N/A	N/A	N/A	N/A
125	1.25	1.14	8.23	5.00	4.92E-007	7.84E-004	4.00	15.64	25.00	30.21	16.51	17.13	0.00	0.00	0.00	0.30	0.00	104.24	0.00	0.00	0.00	0.00	12.03	2.33	51.29	0.06	15.46	N/A	N/A	N/A	N/A
126	1.26	1.25	8.39	5.00	7.02E-007	1.23E-003	4.00	17.18	26.00	30.10	17.00	17.70	0.00	0.00	0.00	0.30	0.00	105.77	0.00	0.00	0.00	0.00	12.07	2.09	50.53	0.05	15.52	N/A	N/A	N/A	N/A
127	1.27	1.26	8.80	5.00	6.79E-007	1.20E-003	4.00	17.32	26.00	30.23	17.24	18.02	0.00	0.00	0.00	0.30	0.00	106.51	0.00	0.00	0.00	0.00	12.22	2.11	51.44	0.06	15.58	N/A	N/A	N/A	N/A
128	1.28	1.21	9.74	5.00	4.96E-007	8.41E-004	4.00	16.62	26.00	30.60	17.51	18.41	0.00	0.00	0.00	0.30	0.00	107.34	-0.01	0.00	0.00	0.00	12.50	2.32	54.31	0.07	15.68	N/A	N/A	N/A	N/A
129	1.29	1.17	10.15	5.00	4.05E-007	6.64E-004	4.00	16.05	25.00	30.80	17.55	18.49	0.00	0.00	0.00	0.30	0.00	107.45	-0.02	0.00	0.00	0.00	12.69	2.47	55.93	0.08	15.71	N/A	N/A	N/A	N/A
130	1.30	1.08	10.91	5.00	2.59E-007	3.91E-004	4.00	14.79	24.00	31.24	17.53	18.54	0.00	0.00	0.00	0.30	0.00	107.39	-0.03	0.00	0.00	0.00	13.00	2.86	59.56	0.11	15.77	N/A	N/A	N/A	N/A
131	1.31	1.04	11.16	5.00	2.13E-007	3.09E-004	4.00	14.23	24.00	31.41	17.47	18.49	0.00	0.00	0.00	0.30	0.00	107.21	-0.03	0.00	0.00	0.00	13.19	3.05	61.10	0.12	15.78	N/A	N/A	N/A	N/A
132	1.32	0.96	11.54	4.00	1.44E-007	1.92E-004	4.00	13.11	0.00	0.00	0.00	18.29	15.00	62.42	2.87	0.30	5.54	106.63	0.00	1.00	5.68	0.00	62.42	3.47	64.08	0.16	15.78	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
133	1.33	0.92	11.63	4.00	1.18E-007	1.51E-004	4.00	12.55	0.00	0.00	0.00	18.13	15.00	59.74	2.73	0.30	5.31	106.17	0.00	1.00	5.39	0.00	59.74	3.70	65.39	0.17	15.78	N/A	N/A	N/A	N/A
134	1.34	0.86	11.86	4.00	8.59E-008	1.03E-004	3.00	11.70	0.00	0.00	0.00	17.92	15.00	55.73	2.52	0.30	4.95	105.56	0.00	1.00	4.93	0.00	55.73	4.11	67.74	0.21	15.77	N/A	N/A	N/A	N/A
135	1.35	0.83	11.95	4.00	7.28E-008	8.37E-005	3.00	11.28	0.00	0.00	0.00	17.79	15.00	53.72	2.42	0.30	4.77	105.21	0.00	1.00	4.72	0.00	53.72	4.33	68.89	0.23	15.77	N/A	N/A	N/A	N/A
136	1.36	0.81	12.08	4.00	6.44E-008	7.22E-005	3.00	11.00	0.00	0.00	0.00	17.74	15.00	52.37	2.34	0.30	4.65	105.05	0.00	1.00	4.55	0.00	52.37	4.51	69.88	0.25	15.77	N/A	N/A	N/A	N/A
137	1.37	0.77	12.42	4.00	4.94E-008	5.26E-005	3.00	10.44	0.00	0.00	0.00	17.67	15.00	49.69	2.20	0.30	4.41	104.80	0.00	1.00	4.20	0.00	49.69	4.90	72.12	0.30	15.78	N/A	N/A	N/A	N/A
138	1.38	0.75	12.58	4.00	4.32E-008	4.47E-005	3.00	10.15	0.00	0.00	0.00	17.63	15.00	48.35	2.13	0.30	4.29	104.65	0.00	1.00	4.04	0.00	48.35	5.11	73.22	0.33	15.79	N/A	N/A	N/A	N/A
139	1.39	0.72	12.71	4.00	3.55E-008	3.45E-005	3.00	9.54	0.00	0.00	0.00	17.50	15.00	46.34	2.03	0.30	4.12	104.27	0.00	1.00	3.83	0.00	46.34	5.43	74.56	0.37	15.79	N/A	N/A	N/A	N/A
140	1.40	0.72	12.77	4.00	3.52E-008	3.42E-005	3.00	9.53	0.00	0.00	0.00	17.53	15.00	46.33	2.01	0.30	4.12	104.34	0.00	1.00	3.81	0.00	46.33	5.45	74.74	0.38	15.79	N/A	N/A	N/A	N/A
141	1.41	0.71	12.67	4.00	3.35E-008	3.16E-005	3.00	9.26	0.00	0.00	0.00	17.41	15.00	45.65	1.97	0.30	4.06	104.04	0.00	1.00	3.78	0.00	45.65	5.53	74.77	0.38	15.78	N/A	N/A	N/A	N/A
142	1.42	0.71	12.20	4.00	3.56E-008	3.36E-005	3.00	9.25	0.00	0.00	0.00	17.17	15.00	45.64	1.96	0.30	4.05	103.46	0.00	1.00	3.93	0.00	45.64	5.43	73.37	0.34	15.73	N/A	N/A	N/A	N/A
143	1.43	0.72	12.08	4.00	3.84E-008	3.73E-005	3.00	9.52	0.00	0.00	0.00	17.17	15.00	46.30	1.97	0.30	4.11	103.49	0.00	1.00	4.02	0.00	46.30	5.30	72.70	0.32	15.73	N/A	N/A	N/A	N/A
144	1.44	0.73	11.86	4.00	4.20E-008	4.19E-005	3.00	9.79	0.00	0.00	0.00	17.12	15.00	46.95	1.99	0.30	4.17	103.39	0.00	1.00	4.16	0.00	46.95	5.16	71.72	0.29	15.71	N/A	N/A	N/A	N/A
145	1.45	0.75	11.19	4.00	5.17E-008	5.35E-005	3.00	10.14	0.00	0.00	0.00	16.89	15.00	48.28	2.03	0.30	4.29	102.87	0.00	1.00	4.53	0.00	48.28	4.83	69.06	0.24	15.65	N/A	N/A	N/A	N/A
146	1.46	0.76	11.04	4.00	5.59E-008	5.86E-005	3.00	10.28	0.00	0.00	0.00	16.87	15.00	48.93	2.04	0.30	4.35	102.84	0.00	1.00	4.65	0.00	48.93	4.71	68.30	0.22	15.64	N/A	N/A	N/A	N/A
147	1.47	0.80	10.75	4.00	7.27E-008	8.02E-005	3.00	10.83	0.00	0.00	0.00	16.95	15.00	51.59	2.14	0.30	4.58	103.12	0.00	1.00	5.04	0.00	51.59	4.33	66.21	0.19	15.63	N/A	N/A	N/A	N/A
148	1.48	0.81	10.63	4.00	7.79E-008	8.72E-005	3.00	10.97	0.00	0.00	0.00	16.94	15.00	52.24	2.15	0.30	4.64	103.12	0.00	1.00	5.16	0.00	52.24	4.24	65.55	0.18	15.63	N/A	N/A	N/A	N/A
149	1.49	0.85	10.44	4.00	9.85E-008	1.16E-004	3.00	11.53	0.00	0.00	0.00	17.06	15.00	54.90	2.25	0.30	4.88	103.49	0.00	1.00	5.52	0.00	54.90	3.93	63.84	0.15	15.62	N/A	N/A	N/A	N/A
150	1.50	0.88	10.50	4.00	1.13E-007	1.38E-004	3.00	11.95	0.00	0.00	0.00	17.26	15.00	56.89	2.31	0.30	5.05	104.03	0.00	1.00	5.69	0.00	56.89	3.75	63.20	0.15	15.64	N/A	N/A	N/A	N/A
151	1.51	0.91	10.47	4.00	1.31E-007	1.65E-004	4.00	12.36	0.00	0.00	0.00	17.40	15.00	58.88	2.38	0.30	5.23	104.43	0.00	1.00	5.90	0.00	58.88	3.58	62.32	0.14	15.65	N/A	N/A	N/A	N/A
152	1.52	0.93	10.40	4.00	1.45E-007	1.87E-004	4.00	12.64	0.00	0.00	0.00	17.47	15.00	60.20	2.42	0.30	5.35	104.63	0.00	1.00	6.08	0.00	60.20	3.46	61.61	0.13	15.65	N/A	N/A	N/A	N/A
153	1.53	0.94	10.34	4.00	1.53E-007	2.00E-004	4.00	12.78	0.00	0.00	0.00	17.48	15.00	60.86	2.43	0.30	5.41	104.68	0.00	1.00	6.18	0.00	60.86	3.40	61.19	0.12	15.65	N/A	N/A	N/A	N/A
154	1.54	0.94	10.37	4.00	1.53E-007	1.99E-004	4.00	12.78	0.00	0.00	0.00	17.50	15.00	60.85	2.41	0.30	5.40	104.72	0.00	1.00	6.16	0.00	60.85	3.40	61.28	0.13	15.65	N/A	N/A	N/A	N/A
155	1.55	0.93	10.47	4.00	1.44E-007	1.85E-004	4.00	12.64	0.00	0.00	0.00	17.51	15.00	60.17	2.37	0.30	5.34	104.72	0.00	1.00	6.03	0.00	60.17	3.47	61.83	0.13	15.66	N/A	N/A	N/A	N/A
156	1.56	0.92	10.78	4.00	1.31E-007	1.67E-004	4.00	12.49	0.00	0.00	0.00	17.63	15.00	59.49	2.33	0.30	5.28	104.99	0.00	1.00	5.79	0.00	59.49	3.58	63.01	0.14	15.69	N/A	N/A	N/A	N/A
157	1.57	0.91	10.85	4.00	1.24E-007	1.56E-004	4.00	12.35	0.00	0.00	0.00	17.62	15.00	58.81	2.29	0.30	5.22	104.94	0.00	1.00	5.69	0.00	58.81	3.65	63.48	0.15	15.69	N/A	N/A	N/A	N/A
158	1.58	0.90	10.81	4.00	1.18E-007	1.47E-004	4.00	12.21	0.00	0.00	0.00	17.54	15.00	58.14	2.25	0.30	5.16	104.73	0.00	1.00	5.65	0.00	58.14	3.70	63.63	0.15	15.68	N/A	N/A	N/A	N/A
159	1.59	0.89	10.94	4.00	1.11E-007	1.36E-004	4.00	12.07	0.00	0.00	0.00	17.56	15.00	57.46	2.21	0.30	5.10	104.76	0.00	1.00	5.51	0.00	57.46	3.78	64.29	0.16	15.69	N/A	N/A	N/A	N/A
160	1.60	0.89	10.97	4.00	1.10E-007	1.36E-004	4.00	12.06	0.00	0.00	0.00	17.57	15.00	57.45	2.20	0.30	5.10	104.80	0.00	1.00	5.50	0.00	57.45	3.79	64.39	0.16	15.70	N/A	N/A	N/A	N/A
161	1.61	0.90	11.07	4.00	1.14E-007	1.42E-004	4.00	12.20	0.00	0.00	0.00	17.68	15.00	58.10	2.21	0.30	5.16	105.08	0.00	1.00	5.51	0.00	58.10	3.74	64.42	0.16	15.71	N/A	N/A	N/A	N/A
162	1.62	0.90	11.10	4.00	1.13E-007	1.41E-004	4.00	12.20	0.00	0.00	0.00	17.70	15.00	58.09	2.19	0.30	5.16	105.11	0.00	1.00	5.50	0.00	58.09	3.75	64.51	0.16	15.72	N/A	N/A	N/A	N/A
163	1.63	0.92	11.22	4.00	1.22E-007	1.56E-004	4.00	12.48	0.00	0.00	0.00	17.88	15.00	59.42	2.23	0.30	5.28	105.56	0.00	1.00	5.56	0.00	59.42	3.66	64.33	0.16	15.74	N/A	N/A	N/A	N/A
164	1.64	0.96	11.41	4.00	1.43E-007	1.90E-004	4.00	13.04	0.00	0.00	0.00	18.20	15.00	62.07	2.32	0.30	5.51	106.38	0.00	1.00	5.71	0.00	62.07	3.47	63.84	0.15	15.77	N/A	N/A	N/A	N/A
165	1.65	0.98	11.41	4.00	1.56E-007	2.12E-004	4.00	13.31	0.00	0.00	0.00	18.30	15.00	63.39	2.35	0.30	5.63	106.66	0.00	1.00	5.83	0.00	63.39	3.37	63.34	0.15	15.78	N/A	N/A	N/A	N/A
166	1.66	1.04	11.22	5.00	2.07E-007	2.98E-004	4.00	14.15	24.00	31.44	17.47	18.50	0.00	0.00	0.00	0.30	0.00	107.22	-0.03	0.00	0.00	0.00	16.57	3.08	61.39	0.13	15.78	N/A	N/A	N/A	N/A
167	1.67	1.07	11.19	5.00	2.34E-007	3.48E-004	4.00	14.57	24.00	31.36	17.59	18.62	0.00	0.00	0.00	0.30	0.00	107.57	-0.03	0.00	0.00	0.00	16.61	2.95	60.65	0.12	15.79	N/A	N/A	N/A	N/A
168	1.68	1.16	11.13	5.00	3.33E-007	5.37E-004	4.00	15.83	25.00	31.14	17.93	19.01	0.00	0.00	0.00	0.30	0.00	108.60	-0.02	0.00	0.00	0.00	16.56	2.63	58.73	0.10	15.82	N/A	N/A	N/A	N/A
169	1.69	1.21	11.07	5.00	4.02E-007	6.77E-004	4.00	16.52	26.00	31.02	18.09	19.20	0.00	0.00	0.00	0.30	0.00	109.11	-0.02	0.00	0.00	0.00	16.58	2.48	57.74	0.09	15.83	N/A	N/A	N/A	N/A
170	1.70	1.32	11.10	5.00	5.78E-007	1.06E-003	5.00	18.06	27.00	30.85	18.51	19.70	0.00	0.00	0.00	0.30	0.00	110.37	-0.02	0.00	0.00	0.00	16.57	2.21	56.31	0.08	15.86	N/A	N/A	N/A	N/A
171	1.71	1.38	11.16	5.00	6.92E-007	1.33E-003	5.00	18.90	28.00	30.79	18.75	19.98	0.00	0.00	0.00	0.30	0.00	111.08	-0.02	0.00	0.00	0.00	16.62	2.09	55.82	0.08	15.89	N/A	N/A	N/A	N/A
172	1.72	1.51	11.26	5.00	9.98E-007	2.11E-003	5.00	20.72	29.00	30.70	19.24	20.56	0.00	0.00	0.00	0.30	0.00	112.51	-0.01	0.00	0.00	0.00	16.66	1.89	55.12	0.08	15.93	N/A	N/A	N/A	N/A
173	1.73	1.56	11.54	5.00	1.10E-006	2.41E-003	5.00	21.42	29.00	30.74	19.53	20.92	0.00	0.00	0.00	0.30	0.00	113.35	-0.02	0.00	0.00	0.00	16.78	1.84	55.45	0.08	15.97	N/A	N/A	N/A	N/A
174	1.74	1.66	12.17	5.00	1.33E-006	3.08E-003	5.00	22.81	30.00	30.85	20.13	21.67	0.00	0.00	0.00	0.30	0.00	115.07	-0.02	0.00	0.00	0.00	16.95	1.75	56.35	0.08	16.06	N/A	N/A	N/A	N/A
175	1.75	1.68	12.55	5.00	1.33E-006	3.13E-003	5.00	23.09	30.00	30.93	20.35	21.97	0.00	0.00	0.00	0.30	0.00	115.73	-0.02	0.00	0.00	0.00	17.10	1.75	56.97	0.09	16.10	N/A	N/A	N/A	N/A
176	1.76	1.70	12.83	5.00	1.35E-006	3.22E-003	5.00	23.37	31.00	30.98	20.54	22.21	0.00	0.00	0.00	0.30	0.00	116.25	-0.02	0.00	0.00	0.00	17.23	1.74	57.42	0.09	16.13	N/A	N/A	N/A	N/A
177	1.77	1.71	13.18	5.00	1.33E-006	3.19E-003	5.00	23.51	31.00	31.05	20.72	22.46	0.00	0.00	0.00	0.30	0.00	116.76	-0.02	0.00	0.00	0.00	17.37	1.75	57.99	0.10	16.16	N/A	N/A	N/A	N/A
178	1.78	1.71	13.31	5.00	1.31E-006	3.14E-003	5.00	23.50	31.00	31.08	20.77	22.53	0.00	0.00	0.00	0.30	0.00	116.91	-0.02	0.00	0.00	0.00	17.49	1.76	58.21	0.10	16.17	N/A	N/A	N/A	N/A
179	1.79	1.70	13.40	5.00	1.27E-006	3.02E-003	5.00	23.36	31.00	31.10	20.78	22.55	0.00	0.00	0.00	0.30	0.00	116.93	-0.02	0.00	0.00	0.00	17.60	1.77	58.38	0.10	16.18	N/A	N/A	N/A	N/A
180	1.80	1.68	13.87	5.00	1.14E-006	2.69E-003	5.00	23.08	30.00	31.20	20.92	22.74	0.00	0.00	0.00	0.30	0.00	117.31	-0.02	0.00	0.00	0.00	17.77	1.82	59.23	0.11	16.21	N/A	N/A	N/A	N/A
181	1.81	1.66	14.09	5.00	1.06E-006	2.46E-003	5.00	22.80	30.00	31.25	20.95	22.79	0.00	0.00	0.00	0.30	0.00	117.39	-0.03	0.00	0.00	0.00	17.90	1.86	59.69	0.11	16.22	N/A	N/A	N/A	N/A
182	1.82	1.64	14.44	5.00	9.68E-007	2.22E-003	5.00	22.51	30.00	31.33	21.03	22.91	0.00	0.00	0.00	0.30	0.00	117.62	-0.03	0.00	0.00	0.00	18.06	1.90	60.41	0.12	16.25	N/A	N/A	N/A	N/A
183	1.83	1.59	15.01	5.00	7.98E-007	1.77E-003	5.00	21.81	30.00	31.49	21.09	23.03	0.00	0.00	0.00	0.30	0.00	117.80	-0.03	0.00	0.00	0.00	18.27	2.01	61.79	0.13	16.28	N/A	N/A	N/A	N/A
184	1.84	1.57	15.29	5.00	7.34E-007	1.61E-003	5.00	21.53	29.00	31.57	21.14	23.10	0.00	0.00	0.00	0.30	0.00	117.93	-0.03	0.00	0.00	0.00	18.43	2.06	62.50	0.14	16.30	N/A	N/A	N/A	N/A
185	1.85	1.52	15.58	5.00	6.20E-007	1.32E-003	5.00	20.83	29.00	31.68	21.08	23.06	0.00	0.00	0.00	0.30	0.00	117.77	-0.04	0.00	0.00	0.00	18.61	2.16	63.57	0.15	16.31	N/A	N/A	N/A	N/A
186	1.86	1.49	15.67	5.00	5.64E-007	1.17E-003	5.00	20.41	29.00	31.74	21.01	22.98	0.00	0.00	0.00	0.30	0.00	117.58	-0.04	0.00	0.00	0.00	18.76	2.23	64.11	0.16	16.31	N/A	N/A	N/A	N/A
187	1.87	1.45	15.58	5.00	5.06E-007	1.02E-003	5.00	19.84	28.00	31.78	20.84	22.76	0.00	0.00	0.00	0.30	0.00	117.08	-0.04	0.00	0.00	0.00	18.88	2.30	64.45	0.16	16.29	N/A	N/A	N/A	N/A
188	1.88	1.43	15.48	5.00	4.82E-007	9.61E-004	5.00	19.56	28.00	31.79	20.72	22.62	0.00	0.00	0.00	0.30	0.00	116.77	-0.04	0.00	0.00	0.00	18.99	2.34	64.53	0.16	16.28	N/A	N/A	N/A	N/A
189	1.89	1.39	15.17	5.00	4.41E-007	8.53E-004	5.00	19.00	28.00	31.78	20.46	22.28	0.00	0.00	0.00	0.30	0.00	116.02	-0.04	0.00	0.00	0.00	19.09	2.41	64.47	0.16	16.24	N/A	N/A	N/A	N/A
190	1.90	1.37	15.01	5.00	4.21E-007	8.03E-004	5.00	18.72	27.00	31.78	20.32	22.11	0.00	0.00	0.00	0.30	0.00	115.63	-0.04	0.00	0.00	0.00	19.18	2.44	64.44	0.16	16.22	N/A	N/A	N/A	N/A
191	1.91	1.37	15.01	5.00	4.21E-007	8.03E-004	5.00	18.71	27.00	31.78	20.32	22.11	0.00	0.00	0.00	0.30	0.00	115.63	-0.04	0.00	0.00	0.00	19.28	2.44	64.44	0.16	16.22	N/A	N/A	N/A	N/A
192	1.92	1.37	15.01	5.00	4.20E-007	8.02E-004	5.00	18.71	27.00	31.78	20.32	22.11	0.00	0.00	0.00	0.30	0.00	115.63	-0.04	0.00	0.00	0.00	19.39	2.44	64.44	0.16	16.22	N/A	N/A	N/A	N/A
193	1.93	1.26	12.08	5.00	4.13E-007	7.23E-004	4.00	17.17	26.00	31.23	18.71	20.00	0.00	0.00	0.00	0.30	0.00	110.95	-0.03	0.00	0.00	0.00	19.07	2.46	59.48	0.11	15.94	N/A	N/A	N/A	N/A
194	1.94	1.24	11.92	5.00	3.93E-007	6.78E-004	4.00	16.89	26.00	31.22	18.56	19.82	0.00	0.00	0.00	0.30	0.00	110.52	-0.03	0.00	0.00	0.00	19.16	2.49	59.42	0.11	15.92	N/A	N/A	N/A	N/A
195	1.95	1.21	11.86	5.00	3.57E-007	5.99E-004	4.00	16.47	26.00	31.26	18.42	19.65	0.00	0.00	0.00	0.30	0.00	110.10	-0.03	0.00	0.00	0.00	19.29	2.57	59.77	0.11	15.91	N/A	N/A	N/A	N/A
196	1.96	1.16	11.63	5.00	3.07E-007	4.93E-004	4.00	15.77	25.00	31.30	18.13	19.29	0.00	0.00	0.00	0.30	0.00	109.21	-0.03	0.00	0.00	0.00	19.41	2.70	60.09	0.11	15.87	N/A	N/A	N/A	N/A
197	1.97	1.14	11.57	5.00	2.87E-007	4.53E-004	4.00	15.48	25.00	31.32	18.02	19.16	0.00	0.00	0.00	0.30	0.00	108.88	-0.03	0.00	0.00	0.00	19.53	2.76	60.33	0.12	15.85	N/A	N/A	N/A	N/A
198	1.98	1.14	11.57	5.00	2.87E-007	4.53E-004	4.00	15.48	25.00	31.32	18.02	19.16	0.00	0.00	0.00	0.30	0.00	108.88	-0.03	0.00	0.00	0.00	19.62	2.76	60.33	0.12	15.85	N/A	N/A	N/A	N/A

	In situ data									Estimations																		
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
199	1.99	1.14	11.54	5.00	2.88E-007	4.54E-004	4.00	15.48	25.00	31.31	18.01	19.14	0.00	0.00	0.00	0.30	0.00	108.84	-0.03	0.00	0.00	0.00	19.71	2.76	60.25	0.12	15.85	N/A	N/A	N/A	N/A
200	2.00	1.15	11.57	5.00	2.97E-007	4.73E-004	4.00	15.62	25.00	31.30	18.06	19.20	0.00	0.00	0.00	0.30	0.00	109.00	-0.03	0.00	0.00	0.00	19.80	2.73	60.14	0.11	15.86	N/A	N/A	N/A	N/A
201	2.01	1.16	11.60	5.00	3.07E-007	4.93E-004	4.00	15.76	25.00	31.29	18.11	19.27	0.00	0.00	0.00	0.30	0.00	109.16	-0.03	0.00	0.00	0.00	19.89	2.70	60.03	0.11	15.86	N/A	N/A	N/A	N/A
202	2.02	1.16	11.67	5.00	3.04E-007	4.88E-004	4.00	15.75	25.00	31.31	18.14	19.31	0.00	0.00	0.00	0.30	0.00	109.25	-0.03	0.00	0.00	0.00	20.00	2.71	60.22	0.12	15.87	N/A	N/A	N/A	N/A
203	2.03	1.19	11.76	5.00	3.35E-007	5.53E-004	4.00	16.17	26.00	31.27	18.30	19.50	0.00	0.00	0.00	0.30	0.00	109.72	-0.03	0.00	0.00	0.00	20.07	2.63	59.90	0.11	15.89	N/A	N/A	N/A	N/A
204	2.04	1.21	11.89	5.00	3.54E-007	5.93E-004	4.00	16.45	26.00	31.27	18.43	19.66	0.00	0.00	0.00	0.30	0.00	110.12	-0.03	0.00	0.00	0.00	20.16	2.58	59.87	0.11	15.91	N/A	N/A	N/A	N/A
205	2.05	1.24	12.01	5.00	3.87E-007	6.65E-004	4.00	16.87	26.00	31.25	18.60	19.87	0.00	0.00	0.00	0.30	0.00	110.61	-0.03	0.00	0.00	0.00	20.24	2.51	59.66	0.11	15.93	N/A	N/A	N/A	N/A
206	2.06	1.32	12.23	5.00	4.91E-007	9.00E-004	5.00	17.98	27.00	31.17	18.99	20.35	0.00	0.00	0.00	0.30	0.00	111.78	-0.02	0.00	0.00	0.00	20.27	2.33	58.98	0.10	15.97	N/A	N/A	N/A	N/A
207	2.07	1.38	12.30	5.00	5.88E-007	1.13E-003	5.00	18.82	28.00	31.10	19.24	20.64	0.00	0.00	0.00	0.30	0.00	112.50	-0.02	0.00	0.00	0.00	20.31	2.20	58.39	0.10	16.00	N/A	N/A	N/A	N/A
208	2.08	1.52	12.55	5.00	8.60E-007	1.82E-003	5.00	20.78	29.00	31.01	19.83	21.35	0.00	0.00	0.00	0.30	0.00	114.21	-0.02	0.00	0.00	0.00	20.34	1.97	57.63	0.09	16.06	N/A	N/A	N/A	N/A
209	2.09	1.61	12.77	5.00	1.07E-006	2.40E-003	5.00	22.04	30.00	31.00	20.21	21.83	0.00	0.00	0.00	0.30	0.00	115.32	-0.02	0.00	0.00	0.00	20.43	1.85	57.56	0.09	16.10	N/A	N/A	N/A	N/A
210	2.10	1.86	12.80	5.00	1.96E-006	5.26E-003	6.00	26.30	32.00	31.00	20.99	22.74	0.00	0.00	0.00	0.30	0.00	117.51	-0.02	0.00	0.00	0.00	20.53	1.60	57.59	0.09	16.16	N/A	N/A	N/A	N/A
211	2.11	2.01	12.71	5.00	2.75E-006	7.50E-003	6.00	26.78	33.00	31.09	21.37	23.19	0.00	0.00	0.00	0.30	0.00	118.58	-0.02	0.00	0.00	0.00	20.70	1.50	58.33	0.10	16.18	N/A	N/A	N/A	N/A
212	2.12	2.28	12.67	6.00	4.68E-006	1.32E-002	6.00	27.65	36.00	31.41	22.06	24.01	0.00	0.00	0.00	0.30	0.00	120.48	-0.03	0.00	0.00	0.00	21.06	1.38	61.13	0.12	16.22	N/A	N/A	N/A	N/A
213	2.13	2.32	13.08	6.00	4.80E-006	1.37E-002	7.00	28.01	36.00	31.51	22.34	24.38	0.00	0.00	0.00	0.30	0.00	121.25	-0.03	0.00	0.00	0.00	21.24	1.38	62.01	0.13	16.27	N/A	N/A	N/A	N/A
214	2.14	2.30	13.72	5.00	4.32E-006	1.25E-002	7.00	28.30	36.00	31.55	22.58	24.71	0.00	0.00	0.00	0.30	0.00	121.88	-0.03	0.00	0.00	0.00	21.37	1.39	62.31	0.14	16.32	N/A	N/A	N/A	N/A
215	2.15	2.15	14.79	5.00	2.91E-006	8.41E-003	6.00	28.38	35.00	31.49	22.65	24.88	0.00	0.00	0.00	0.30	0.00	122.06	-0.03	0.00	0.00	0.00	21.43	1.48	61.83	0.13	16.38	N/A	N/A	N/A	N/A
216	2.16	2.07	15.39	5.00	2.33E-006	6.75E-003	6.00	28.42	34.00	31.51	22.68	24.96	0.00	0.00	0.00	0.30	0.00	122.15	-0.03	0.00	0.00	0.00	21.54	1.54	61.97	0.13	16.41	N/A	N/A	N/A	N/A
217	2.17	1.99	15.80	5.00	1.89E-006	5.46E-003	6.00	28.35	33.00	31.53	22.62	24.92	0.00	0.00	0.00	0.30	0.00	122.00	-0.03	0.00	0.00	0.00	21.66	1.61	62.15	0.13	16.43	N/A	N/A	N/A	N/A
218	2.18	1.84	16.62	5.00	1.25E-006	3.21E-003	6.00	25.24	32.00	31.65	22.51	24.84	0.00	0.00	0.00	0.30	0.00	121.69	-0.03	0.00	0.00	0.00	21.86	1.78	63.28	0.15	16.45	N/A	N/A	N/A	N/A
219	2.19	1.77	17.15	5.00	1.01E-006	2.49E-003	6.00	24.26	31.00	31.77	22.49	24.86	0.00	0.00	0.00	0.30	0.00	121.66	-0.04	0.00	0.00	0.00	22.07	1.88	64.40	0.16	16.48	N/A	N/A	N/A	N/A
220	2.20	1.72	17.69	5.00	8.46E-007	2.03E-003	6.00	23.55	31.00	31.90	22.54	24.94	0.00	0.00	0.00	0.30	0.00	121.78	-0.04	0.00	0.00	0.00	22.28	1.98	65.63	0.18	16.50	N/A	N/A	N/A	N/A
221	2.21	1.56	19.52	5.00	4.71E-007	1.02E-003	5.00	21.31	29.00	32.42	22.67	25.20	0.00	0.00	0.00	0.30	0.00	122.12	-0.05	0.00	0.00	0.00	22.84	2.36	70.79	0.27	16.58	N/A	N/A	N/A	N/A
222	2.22	1.52	19.93	5.00	4.07E-007	8.60E-004	5.00	20.75	29.00	32.56	22.67	25.22	0.00	0.00	0.00	0.30	0.00	122.13	-0.05	0.00	0.00	0.00	23.07	2.47	72.22	0.31	16.59	N/A	N/A	N/A	N/A
223	2.23	1.48	20.34	5.00	3.50E-007	7.20E-004	5.00	20.19	29.00	32.70	22.66	25.24	0.00	0.00	0.00	0.30	0.00	122.11	-0.06	0.00	0.00	0.00	23.31	2.59	73.74	0.35	16.60	N/A	N/A	N/A	N/A
224	2.24	1.41	20.84	5.00	2.72E-007	5.32E-004	5.00	19.20	28.00	32.93	22.57	25.15	0.00	0.00	0.00	0.30	0.00	121.86	-0.06	0.00	0.00	0.00	23.61	2.81	76.16	0.42	16.61	N/A	N/A	N/A	N/A
225	2.25	1.39	21.00	5.00	2.52E-007	4.86E-004	5.00	18.92	28.00	33.00	22.54	25.12	0.00	0.00	0.00	0.30	0.00	121.79	-0.06	0.00	0.00	0.00	23.78	2.88	76.93	0.45	16.62	N/A	N/A	N/A	N/A
226	2.26	1.37	21.03	5.00	2.36E-007	4.48E-004	5.00	18.64	27.00	33.04	22.47	25.04	0.00	0.00	0.00	0.30	0.00	121.60	-0.06	0.00	0.00	0.00	23.93	2.95	77.44	0.47	16.61	N/A	N/A	N/A	N/A
227	2.27	1.33	20.87	5.00	2.10E-007	3.87E-004	5.00	18.08	27.00	33.09	22.26	24.77	0.00	0.00	0.00	0.30	0.00	121.02	-0.06	0.00	0.00	0.00	24.09	3.06	78.04	0.50	16.59	N/A	N/A	N/A	N/A
228	2.28	1.31	20.62	5.00	2.00E-007	3.64E-004	5.00	17.79	27.00	33.09	22.09	24.56	0.00	0.00	0.00	0.30	0.00	120.57	-0.06	0.00	0.00	0.00	24.19	3.11	77.99	0.49	16.57	N/A	N/A	N/A	N/A
229	2.29	1.27	19.74	4.00	1.89E-007	3.31E-004	5.00	17.23	0.00	0.00	0.00	23.95	15.00	82.06	2.20	0.30	7.29	119.30	0.00	1.00	4.36	0.00	82.06	3.17	77.05	0.46	16.51	N/A	N/A	N/A	N/A
230	2.30	1.25	19.17	4.00	1.85E-007	3.20E-004	5.00	16.95	0.00	0.00	0.00	23.59	15.00	80.71	2.15	0.30	7.17	118.53	0.00	1.00	4.42	0.00	80.71	3.19	76.28	0.43	16.47	N/A	N/A	N/A	N/A
231	2.31	1.24	18.54	5.00	1.89E-007	3.24E-004	5.00	16.81	26.00	32.83	21.09	23.24	0.00	0.00	0.00	0.30	0.00	117.80	-0.06	0.00	0.00	0.00	24.27	3.17	75.11	0.39	16.43	N/A	N/A	N/A	N/A
232	2.32	1.21	17.37	5.00	1.89E-007	3.16E-004	5.00	16.39	26.00	32.65	20.55	22.53	0.00	0.00	0.00	0.30	0.00	116.29	-0.06	0.00	0.00	0.00	24.21	3.17	73.16	0.33	16.34	N/A	N/A	N/A	N/A
233	2.33	1.19	17.15	4.00	1.80E-007	2.95E-004	5.00	16.10	0.00	0.00	0.00	22.32	15.00	76.68	2.02	0.30	6.81	115.82	0.00	1.00	4.69	0.00	76.68	3.22	73.14	0.33	16.32	N/A	N/A	N/A	N/A
234	2.34	1.16	16.77	4.00	1.67E-007	2.67E-004	4.00	15.68	0.00	0.00	0.00	21.98	15.00	74.67	1.96	0.30	6.63	115.07	0.00	1.00	4.68	0.00	74.67	3.30	72.99	0.33	16.29	N/A	N/A	N/A	N/A
235	2.35	1.15	16.62	4.00	1.63E-007	2.58E-004	4.00	15.54	0.00	0.00	0.00	21.86	15.00	73.99	1.93	0.30	6.57	114.79	0.00	1.00	4.67	0.00	73.99	3.33	72.89	0.32	16.27	N/A	N/A	N/A	N/A
236	2.36	1.15	17.09	4.00	1.56E-007	2.46E-004	4.00	15.54	0.00	0.00	0.00	22.09	15.00	73.98	1.92	0.30	6.57	115.27	0.00	1.00	4.55	0.00	73.98	3.38	74.02	0.36	16.31	N/A	N/A	N/A	N/A
237	2.37	1.15	17.59	4.00	1.48E-007	2.35E-004	4.00	15.53	0.00	0.00	0.00	22.32	15.00	73.97	1.92	0.30	6.57	115.77	0.00	1.00	4.42	0.00	73.97	3.43	75.22	0.39	16.34	N/A	N/A	N/A	N/A
238	2.38	1.16	17.85	4.00	1.50E-007	2.40E-004	4.00	15.67	0.00	0.00	0.00	22.50	15.00	74.63	1.93	0.30	6.63	116.16	0.00	1.00	4.39	0.00	74.63	3.42	75.58	0.40	16.36	N/A	N/A	N/A	N/A
239	2.39	1.18	17.97	4.00	1.60E-007	2.60E-004	5.00	15.95	0.00	0.00	0.00	22.66	15.00	75.95	1.95	0.30	6.75	116.52	0.00	1.00	4.44	0.00	75.95	3.35	75.34	0.40	16.37	N/A	N/A	N/A	N/A
240	2.40	1.20	17.94	4.00	1.72E-007	2.85E-004	5.00	16.23	0.00	0.00	0.00	22.75	15.00	77.27	1.98	0.30	6.86	116.73	0.00	1.00	4.52	0.00	77.27	3.27	74.76	0.38	16.38	N/A	N/A	N/A	N/A
241	2.41	1.21	18.35	4.00	1.72E-007	2.87E-004	5.00	16.36	0.00	0.00	0.00	22.99	15.00	77.93	1.99	0.30	6.92	117.25	0.00	1.00	4.46	0.00	77.93	3.27	75.46	0.40	16.41	N/A	N/A	N/A	N/A
242	2.42	1.26	18.85	5.00	1.96E-007	3.41E-004	5.00	17.06	26.00	32.85	21.28	23.48	0.00	0.00	0.00	0.30	0.00	118.32	-0.06	0.00	0.00	0.00	25.46	3.13	75.36	0.40	16.45	N/A	N/A	N/A	N/A
243	2.43	1.27	19.67	4.00	1.88E-007	3.30E-004	5.00	17.20	0.00	0.00	0.00	23.91	15.00	81.90	2.07	0.30	7.28	119.21	0.00	1.00	4.37	0.00	81.90	3.17	76.95	0.45	16.51	N/A	N/A	N/A	N/A
244	2.44	1.28	20.12	4.00	1.87E-007	3.31E-004	5.00	17.34	0.00	0.00	0.00	24.17	15.00	82.56	2.08	0.30	7.33	119.74	0.00	1.00	4.31	0.00	82.56	3.18	77.70	0.48	16.53	N/A	N/A	N/A	N/A
245	2.45	1.32	21.00	5.00	1.99E-007	3.63E-004	5.00	17.90	27.00	33.15	22.25	24.77	0.00	0.00	0.00	0.30	0.00	120.99	-0.07	0.00	0.00	0.00	26.07	3.12	78.63	0.52	16.60	N/A	N/A	N/A	N/A
246	2.46	1.36	20.94	5.00	2.28E-007	4.28E-004	5.00	18.45	27.00	33.05	22.39	24.94	0.00	0.00	0.00	0.30	0.00	121.38	-0.06	0.00	0.00	0.00	26.08	2.98	77.56	0.48	16.60	N/A	N/A	N/A	N/A
247	2.47	1.38	20.94	5.00	2.42E-007	4.63E-004	5.00	18.73	27.00	33.01	22.47	25.03	0.00	0.00	0.00	0.30	0.00	121.59	-0.06	0.00	0.00	0.00	26.15	2.92	77.10	0.46	16.61	N/A	N/A	N/A	N/A
248	2.48	1.43	20.40	5.00	2.96E-007	5.86E-004	5.00	19.43	28.00	32.81	22.48	25.02	0.00	0.00	0.00	0.30	0.00	121.62	-0.06	0.00	0.00	0.00	26.06	2.74	74.92	0.38	16.59	N/A	N/A	N/A	N/A
249	2.49	1.45	20.31	5.00	3.17E-007	6.36E-004	5.00	19.71	28.00	32.76	22.52	25.07	0.00	0.00	0.00	0.30	0.00	121.74	-0.06	0.00	0.00	0.00	26.11	2.68	74.34	0.36	16.59	N/A	N/A	N/A	N/A
250	2.50	1.46	20.18	5.00	3.30E-007	6.67E-004	5.00	19.84	28.00	32.72	22.52	25.05	0.00	0.00	0.00	0.30	0.00	121.72	-0.06	0.00	0.00	0.00	26.17	2.64	73.88	0.35	16.59	N/A	N/A	N/A	N/A
251	2.51	1.50	19.23	5.00	4.02E-007	8.37E-004	5.00	20.40	29.00	32.47	22.33	24.78	0.00	0.00	0.00	0.30	0.00	121.22	-0.05	0.00	0.00	0.00	26.03	2.48	71.26	0.28	16.54	N/A	N/A	N/A	N/A
252	2.52	1.51	18.60	5.00	4.38E-007	9.16E-004	5.00	20.54	29.00	32.33	22.14	24.52	0.00	0.00	0.00	0.30	0.00	120.70	-0.05	0.00	0.00	0.00	26.00	2.41	69.84	0.25	16.51	N/A	N/A	N/A	N/A
253	2.53	1.52	18.26	5.00	4.64E-007	9.78E-004	5.00	20.68	29.00	32.25	22.05	24.39	0.00	0.00	0.00	0.30	0.00	120.46	-0.05	0.00	0.00	0.00	26.02	2.37	69.01	0.23	16.49	N/A	N/A	N/A	N/A
254	2.54	1.50	17.50	5.00	4.70E-007	9.77E-004	5.00	20.39	29.00	32.13	21.70	23.92	0.00	0.00	0.00	0.30	0.00	119.50	-0.04	0.00	0.00	0.00	26.00	2.36	67.80	0.21	16.44	N/A	N/A	N/A	N/A
255	2.55	1.48	17.22	5.00	4.55E-007	9.33E-004	5.00	20.11	28.00	32.10	21.53	23.70	0.00	0.00	0.00	0.30	0.00	119.01	-0.04	0.00	0.00	0.00	26.08	2.38	67.54	0.21	16.41	N/A	N/A	N/A	N/A
256	2.56	1.48	17.03	5.00	4.63E-007	9.50E-004	5.00	20.11	28.00	32.06	21.46	23.60	0.00	0.00	0.00	0.30	0.00	118.82	-0.04	0.00	0.00	0.00	26.14	2.37	67.16	0.20	16.40	N/A	N/A	N/A	N/A
257	2.57	1.46	16.14	5.00	4.74E-007	9.59E-004	5.00	19.83	28.00	31.90	21.07	23.08	0.00	0.00	0.00	0.30	0.00	117.73	-0.04	0.00	0.00	0.00	26.08	2.35	65.60	0.18	16.33	N/A	N/A	N/A	N/A
258	2.58	1.44	15.29	5.00	4.83E-007	9.62E-004	5.00	19.55	28.00	31.74	20.70	22.58	0.00	0.00	0.00	0.30	0.00	116.71	-0.04	0.00	0.00	0.00	26.01	2.34	64.08	0.16	16.26	N/A	N/A	N/A	N/A
259	2.59	1.42	14.66	5.00	4.82E-007	9.47E-004	5.00	19.26	28.00	31.62	20.41	22.19	0.00	0.00	0.00	0.30	0.00	115.87	-0.03	0.00	0.00	0.00	25.99	2.34	62.99	0.14	16.21	N/A	N/A	N/A	N/A
260	2.60	1.40	14.63	5.00	4.55E-007	8.80E-004	5.00	18.98	28.00	31.65	20.32	22.08	0.00	0.00	0.00	0.30	0.00	115.63	-0.03	0.00	0.00	0.00	26.12	2.38	63.22	0.15	16.20	N/A	N/A	N/A	N/A
261	2.61	1.40	14.60	5.00	4.53E-007	8.76E-004	5.00	18.98	27.00	31.64	20.34	22.10	0.00	0.00	0.00	0.30	0.00	115.67	-0.03	0.00	0.00	0.00	26.21	2.39	63.13	0.15	16.20	N/A	N/A	N/A	N/A
262	2.62	1.40	15.01	5.00	4.32E-007	8.36E-004	5.00	18.98	27.00	31.73	20.50	22.32	0.00	0.00	0.00	0.30	0.00	116.15	-0.04	0.00	0.00	0.00	26.41	2.42	64.01	0.16	16.23	N/A	N/A	N/A	N/A
263	2.63	1.40	14.91	5.00	4.33E-007	8.38E-004	5.00	18.97	27.00	31.70	20.49	22.30	0.00	0.00	0.00	0.30	0.00	116.12	-0.04	0.00	0.00	0.00	26.48	2.42	63.76	0.15	16.22	N/A	N/A	N/A	N/A
264	2.64	1.44	15.01	5.00	4.75E-007	9.46E-004	5.00	19.53	28.00	31.65	20.75	22.60	0.00	0.00	0.00	0.30	0.00	116.83	-0.03	0.00	0.00	0.00	26.53	2.35	63.30	0.15	16.24	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
265	2.65	1.46	15.07	5.00	4.95E-007	9.99E-004	5.00	19.81	28.00	31.63	20.89	22.77	0.00	0.00	0.00	0.30	0.00	117.23	-0.03	0.00	0.00	0.00	26.61	2.32	63.10	0.15	16.25	N/A	N/A	N/A	N/A
266	2.66	1.53	15.23	5.00	5.80E-007	1.23E-003	5.00	20.79	28.00	31.56	21.30	23.26	0.00	0.00	0.00	0.30	0.00	118.38	-0.03	0.00	0.00	0.00	26.63	2.21	62.42	0.14	16.28	N/A	N/A	N/A	N/A
267	2.67	1.59	15.32	5.00	6.62E-007	1.46E-003	5.00	21.62	29.00	31.49	21.63	23.65	0.00	0.00	0.00	0.30	0.00	119.30	-0.03	0.00	0.00	0.00	26.66	2.12	61.83	0.13	16.30	N/A	N/A	N/A	N/A
268	2.68	1.76	15.20	5.00	9.79E-007	2.40E-003	6.00	24.00	30.00	31.29	22.37	24.51	0.00	0.00	0.00	0.30	0.00	121.32	-0.03	0.00	0.00	0.00	26.55	1.90	60.03	0.11	16.33	N/A	N/A	N/A	N/A
269	2.69	1.84	15.20	5.00	1.15E-006	2.95E-003	6.00	25.12	31.00	31.23	22.73	24.93	0.00	0.00	0.00	0.30	0.00	122.29	-0.03	0.00	0.00	0.00	26.59	1.82	59.53	0.11	16.35	N/A	N/A	N/A	N/A
270	2.70	1.91	15.20	5.00	1.32E-006	3.51E-003	6.00	26.10	31.00	31.19	23.04	25.29	0.00	0.00	0.00	0.30	0.00	123.13	-0.02	0.00	0.00	0.00	26.65	1.75	59.20	0.11	16.37	N/A	N/A	N/A	N/A
271	2.71	1.97	15.76	5.00	1.40E-006	3.85E-003	6.00	26.94	31.00	31.27	23.52	25.90	0.00	0.00	0.00	0.30	0.00	124.40	-0.03	0.00	0.00	0.00	26.83	1.73	59.85	0.11	16.42	N/A	N/A	N/A	N/A
272	2.72	1.98	15.95	5.00	1.40E-006	3.86E-003	6.00	27.07	32.00	31.29	23.66	26.08	0.00	0.00	0.00	0.30	0.00	124.76	-0.03	0.00	0.00	0.00	26.95	1.73	60.07	0.11	16.44	N/A	N/A	N/A	N/A
273	2.73	1.97	16.43	5.00	1.31E-006	3.59E-003	6.00	26.93	31.00	31.37	23.82	26.31	0.00	0.00	0.00	0.30	0.00	125.18	-0.03	0.00	0.00	0.00	27.14	1.76	60.77	0.12	16.47	N/A	N/A	N/A	N/A
274	2.74	1.97	16.74	5.00	1.27E-006	3.47E-003	6.00	26.93	31.00	31.42	23.96	26.49	0.00	0.00	0.00	0.30	0.00	125.55	-0.03	0.00	0.00	0.00	27.29	1.77	61.20	0.12	16.49	N/A	N/A	N/A	N/A
275	2.75	1.95	17.09	5.00	1.17E-006	3.19E-003	6.00	26.65	31.00	31.49	24.03	26.60	0.00	0.00	0.00	0.30	0.00	125.74	-0.03	0.00	0.00	0.00	27.46	1.81	61.78	0.13	16.51	N/A	N/A	N/A	N/A
276	2.76	1.93	17.81	5.00	1.06E-006	2.84E-003	6.00	26.36	31.00	31.62	24.23	26.90	0.00	0.00	0.00	0.30	0.00	126.26	-0.03	0.00	0.00	0.00	27.70	1.86	62.97	0.14	16.55	N/A	N/A	N/A	N/A
277	2.77	1.85	18.70	5.00	8.32E-007	2.14E-003	6.00	25.24	31.00	31.83	24.23	26.96	0.00	0.00	0.00	0.30	0.00	126.26	-0.04	0.00	0.00	0.00	28.04	1.99	64.95	0.17	16.59	N/A	N/A	N/A	N/A
278	2.78	1.84	19.45	5.00	7.64E-007	1.95E-003	6.00	25.10	30.00	31.97	24.47	27.30	0.00	0.00	0.00	0.30	0.00	126.87	-0.04	0.00	0.00	0.00	28.29	2.04	66.26	0.19	16.64	N/A	N/A	N/A	N/A
279	2.79	1.76	20.56	5.00	5.88E-007	1.44E-003	6.00	23.98	30.00	32.25	24.51	27.42	0.00	0.00	0.00	0.30	0.00	126.98	-0.05	0.00	0.00	0.00	28.71	2.20	69.04	0.24	16.68	N/A	N/A	N/A	N/A
280	2.80	1.74	20.97	5.00	5.42E-007	1.31E-003	6.00	23.69	30.00	32.35	24.58	27.53	0.00	0.00	0.00	0.30	0.00	127.16	-0.05	0.00	0.00	0.00	28.92	2.26	70.00	0.25	16.70	N/A	N/A	N/A	N/A
281	2.81	1.72	21.28	5.00	5.03E-007	1.20E-003	6.00	23.41	30.00	32.42	24.61	27.59	0.00	0.00	0.00	0.30	0.00	127.25	-0.05	0.00	0.00	0.00	29.11	2.31	70.80	0.27	16.71	N/A	N/A	N/A	N/A
282	2.82	1.70	21.50	5.00	4.70E-007	1.11E-003	6.00	23.13	29.00	32.49	24.62	27.60	0.00	0.00	0.00	0.30	0.00	127.26	-0.05	0.00	0.00	0.00	29.29	2.36	71.47	0.29	16.72	N/A	N/A	N/A	N/A
283	2.83	1.68	21.69	5.00	4.40E-007	1.02E-003	6.00	22.85	29.00	32.55	24.61	27.61	0.00	0.00	0.00	0.30	0.00	127.25	-0.05	0.00	0.00	0.00	29.47	2.41	72.10	0.30	16.73	N/A	N/A	N/A	N/A
284	2.84	1.68	21.53	5.00	4.42E-007	1.03E-003	6.00	22.85	29.00	32.52	24.59	27.57	0.00	0.00	0.00	0.30	0.00	127.19	-0.05	0.00	0.00	0.00	29.54	2.40	71.77	0.29	16.72	N/A	N/A	N/A	N/A
285	2.85	1.67	21.16	5.00	4.40E-007	1.02E-003	6.00	22.70	29.00	32.47	24.45	27.38	0.00	0.00	0.00	0.30	0.00	126.83	-0.05	0.00	0.00	0.00	29.58	2.41	71.22	0.28	16.69	N/A	N/A	N/A	N/A
286	2.86	1.65	20.40	5.00	4.41E-007	1.01E-003	6.00	22.42	29.00	32.36	24.14	26.95	0.00	0.00	0.00	0.30	0.00	126.02	-0.05	0.00	0.00	0.00	29.57	2.41	70.10	0.26	16.65	N/A	N/A	N/A	N/A
287	2.87	1.64	19.90	5.00	4.44E-007	1.01E-003	6.00	22.28	29.00	32.28	23.96	26.70	0.00	0.00	0.00	0.30	0.00	125.55	-0.05	0.00	0.00	0.00	29.58	2.40	69.29	0.24	16.62	N/A	N/A	N/A	N/A
288	2.88	1.64	19.67	5.00	4.49E-007	1.02E-003	6.00	22.28	29.00	32.23	23.91	26.62	0.00	0.00	0.00	0.30	0.00	125.42	-0.05	0.00	0.00	0.00	29.63	2.39	68.83	0.23	16.60	N/A	N/A	N/A	N/A
289	2.89	1.62	19.17	5.00	4.42E-007	9.90E-004	6.00	21.99	28.00	32.16	23.67	26.31	0.00	0.00	0.00	0.30	0.00	124.80	-0.05	0.00	0.00	0.00	29.66	2.41	68.17	0.22	16.57	N/A	N/A	N/A	N/A
290	2.90	1.62	18.89	5.00	4.48E-007	1.01E-003	6.00	21.99	28.00	32.11	23.60	26.21	0.00	0.00	0.00	0.30	0.00	124.62	-0.04	0.00	0.00	0.00	29.70	2.39	67.60	0.21	16.55	N/A	N/A	N/A	N/A
291	2.91	1.61	18.48	5.00	4.49E-007	1.00E-003	6.00	21.85	28.00	32.04	23.44	25.98	0.00	0.00	0.00	0.30	0.00	124.20	-0.04	0.00	0.00	0.00	29.72	2.39	66.94	0.20	16.53	N/A	N/A	N/A	N/A
292	2.92	1.61	18.48	5.00	4.46E-007	9.94E-004	6.00	21.85	28.00	32.04	23.47	26.01	0.00	0.00	0.00	0.30	0.00	124.27	-0.04	0.00	0.00	0.00	29.82	2.40	66.92	0.20	16.53	N/A	N/A	N/A	N/A
293	2.93	1.61	18.48	5.00	4.43E-007	9.87E-004	6.00	21.84	28.00	32.03	23.50	26.04	0.00	0.00	0.00	0.30	0.00	124.33	-0.04	0.00	0.00	0.00	29.92	2.40	66.89	0.20	16.53	N/A	N/A	N/A	N/A
294	2.94	1.62	14.31	5.00	6.50E-007	1.46E-003	5.00	21.98	28.00	31.14	22.06	24.02	0.00	0.00	0.00	0.30	0.00	120.47	-0.02	0.00	0.00	0.00	28.99	2.13	58.72	0.10	16.23	N/A	N/A	N/A	N/A
295	2.95	1.63	14.19	5.00	6.69E-007	1.51E-003	5.00	22.12	28.00	31.10	22.08	24.03	0.00	0.00	0.00	0.30	0.00	120.53	-0.02	0.00	0.00	0.00	29.04	2.12	58.36	0.10	16.23	N/A	N/A	N/A	N/A
296	2.96	1.65	14.28	5.00	6.91E-007	1.58E-003	6.00	22.39	28.00	31.09	22.23	24.21	0.00	0.00	0.00	0.30	0.00	120.93	-0.02	0.00	0.00	0.00	29.13	2.10	58.31	0.10	16.24	N/A	N/A	N/A	N/A
297	2.97	1.68	14.47	5.00	7.23E-007	1.68E-003	6.00	22.81	28.00	31.09	22.46	24.49	0.00	0.00	0.00	0.30	0.00	121.56	-0.02	0.00	0.00	0.00	29.24	2.07	58.35	0.10	16.26	N/A	N/A	N/A	N/A
298	2.98	1.71	14.50	5.00	7.67E-007	1.82E-003	6.00	23.23	29.00	31.07	22.62	24.69	0.00	0.00	0.00	0.30	0.00	122.01	-0.02	0.00	0.00	0.00	29.30	2.03	58.11	0.10	16.27	N/A	N/A	N/A	N/A
299	2.99	1.73	14.63	5.00	7.88E-007	1.89E-003	6.00	23.51	29.00	31.07	22.79	24.89	0.00	0.00	0.00	0.30	0.00	122.44	-0.02	0.00	0.00	0.00	29.40	2.02	58.15	0.10	16.28	N/A	N/A	N/A	N/A
300	3.00	1.81	15.07	5.00	8.96E-007	2.25E-003	6.00	24.63	29.00	31.09	23.32	25.55	0.00	0.00	0.00	0.30	0.00	123.88	-0.02	0.00	0.00	0.00	29.52	1.94	58.30	0.10	16.34	N/A	N/A	N/A	N/A
301	3.01	1.85	15.10	5.00	9.66E-007	2.48E-003	6.00	25.18	30.00	31.06	23.53	25.79	0.00	0.00	0.00	0.30	0.00	124.42	-0.02	0.00	0.00	0.00	29.59	1.90	58.06	0.10	16.35	N/A	N/A	N/A	N/A
302	3.02	1.97	15.32	5.00	1.20E-006	3.29E-003	6.00	26.86	30.00	31.03	24.13	26.52	0.00	0.00	0.00	0.30	0.00	126.00	-0.02	0.00	0.00	0.00	29.65	1.80	57.80	0.10	16.39	N/A	N/A	N/A	N/A
303	3.03	2.03	15.58	5.00	1.31E-006	3.70E-003	6.00	27.70	31.00	31.05	24.49	26.97	0.00	0.00	0.00	0.30	0.00	126.95	-0.02	0.00	0.00	0.00	29.77	1.76	57.97	0.10	16.42	N/A	N/A	N/A	N/A
304	3.04	2.10	15.80	5.00	1.45E-006	4.25E-003	7.00	28.68	31.00	31.06	24.88	27.44	0.00	0.00	0.00	0.30	0.00	127.94	-0.02	0.00	0.00	0.00	29.89	1.71	58.09	0.10	16.45	N/A	N/A	N/A	N/A
305	3.05	2.17	15.92	5.00	1.62E-006	4.91E-003	7.00	29.65	32.00	31.07	25.22	27.85	0.00	0.00	0.00	0.30	0.00	128.81	-0.02	0.00	0.00	0.00	30.00	1.67	58.14	0.10	16.47	N/A	N/A	N/A	N/A
306	3.06	2.30	16.74	5.00	1.89E-006	6.28E-003	7.00	32.65	32.00	31.19	26.05	28.91	0.00	0.00	0.00	0.30	0.00	130.92	-0.02	0.00	0.00	0.00	30.24	1.61	59.18	0.11	16.55	N/A	N/A	N/A	N/A
307	3.07	2.37	17.63	5.00	1.96E-006	6.68E-003	7.00	33.43	33.00	31.32	26.67	29.73	0.00	0.00	0.00	0.30	0.00	132.47	-0.03	0.00	0.00	0.00	30.49	1.60	60.29	0.12	16.62	N/A	N/A	N/A	N/A
308	3.08	2.53	19.08	5.00	2.25E-006	7.98E-003	8.00	34.87	34.00	31.53	27.82	31.22	0.00	0.00	0.00	0.30	0.00	135.29	-0.03	0.00	0.00	0.00	30.85	1.56	62.18	0.13	16.74	N/A	N/A	N/A	N/A
309	3.09	2.64	19.55	5.00	2.54E-006	9.23E-003	8.00	35.60	34.00	31.62	28.40	31.97	0.00	0.00	0.00	0.30	0.00	136.71	-0.03	0.00	0.00	0.00	31.06	1.52	62.95	0.14	16.78	N/A	N/A	N/A	N/A
310	3.10	2.88	20.75	5.00	3.26E-006	1.23E-002	8.00	37.20	36.00	31.85	29.68	33.61	0.00	0.00	0.00	0.30	0.00	139.75	-0.04	0.00	0.00	0.00	31.45	1.45	65.13	0.17	16.88	N/A	N/A	N/A	N/A
311	3.11	2.99	21.63	5.00	3.53E-006	1.37E-002	9.00	38.09	36.00	31.99	30.39	34.54	0.00	0.00	0.00	0.30	0.00	141.41	-0.04	0.00	0.00	0.00	31.72	1.44	66.46	0.19	16.94	N/A	N/A	N/A	N/A
312	3.12	3.10	23.58	5.00	3.56E-006	1.43E-002	9.00	39.44	37.00	32.21	31.47	36.00	0.00	0.00	0.00	0.30	0.00	143.90	-0.05	0.00	0.00	0.00	32.11	1.43	68.66	0.23	17.06	N/A	N/A	N/A	N/A
313	3.13	3.08	24.62	5.00	3.24E-006	1.32E-002	9.00	39.85	37.00	32.28	31.80	36.48	0.00	0.00	0.00	0.30	0.00	144.64	-0.05	0.00	0.00	0.00	32.30	1.46	69.31	0.24	17.10	N/A	N/A	N/A	N/A
314	3.14	3.04	25.41	5.00	2.92E-006	1.19E-002	9.00	40.07	37.00	32.32	31.97	36.74	0.00	0.00	0.00	0.30	0.00	145.03	-0.05	0.00	0.00	0.00	32.45	1.48	69.70	0.25	17.14	N/A	N/A	N/A	N/A
315	3.15	2.91	27.46	5.00	2.18E-006	8.98E-003	9.00	40.42	36.00	32.45	32.25	37.22	0.00	0.00	0.00	0.30	0.00	145.66	-0.05	0.00	0.00	0.00	32.73	1.56	71.07	0.28	17.21	N/A	N/A	N/A	N/A
316	3.16	2.84	28.35	5.00	1.87E-006	7.74E-003	9.00	40.51	36.00	32.52	32.32	37.37	0.00	0.00	0.00	0.30	0.00	145.84	-0.05	0.00	0.00	0.00	32.93	1.62	71.79	0.30	17.24	N/A	N/A	N/A	N/A
317	3.17	2.76	29.54	5.00	1.56E-006	6.03E-003	9.00	37.89	35.00	32.63	32.45	37.59	0.00	0.00	0.00	0.30	0.00	146.12	-0.05	0.00	0.00	0.00	33.18	1.68	72.99	0.33	17.27	N/A	N/A	N/A	N/A
318	3.18	2.62	31.25	5.00	1.16E-006	4.23E-003	8.00	35.92	34.00	32.84	32.49	37.74	0.00	0.00	0.00	0.30	0.00	146.21	-0.06	0.00	0.00	0.00	33.56	1.81	75.24	0.39	17.32	N/A	N/A	N/A	N/A
319	3.19	2.55	31.85	5.00	1.00E-006	3.56E-003	8.00	34.94	34.00	32.94	32.44	37.70	0.00	0.00	0.00	0.30	0.00	146.09	-0.06	0.00	0.00	0.00	33.80	1.89	76.27	0.43	17.33	N/A	N/A	N/A	N/A
320	3.20	2.49	32.26	5.00	8.86E-007	3.08E-003	8.00	34.10	34.00	33.01	32.36	37.62	0.00	0.00	0.00	0.30	0.00	145.91	-0.06	0.00	0.00	0.00	34.01	1.95	77.13	0.46	17.33	N/A	N/A	N/A	N/A
321	3.21	2.38	32.95	5.00	7.11E-007	2.36E-003	8.00	32.56	33.00	33.17	32.15	37.39	0.00	0.00	0.00	0.30	0.00	145.44	-0.07	0.00	0.00	0.00	34.32	2.08	78.91	0.53	17.34	N/A	N/A	N/A	N/A
322	3.22	2.33	33.61	5.00	6.28E-007	2.04E-003	8.00	31.85	33.00	33.29	32.17	37.44	0.00	0.00	0.00	0.30	0.00	145.48	-0.07	0.00	0.00	0.00	34.59	2.16	80.25	0.60	17.36	N/A	N/A	N/A	N/A
323	3.23	2.27	34.02	5.00	5.51E-007	1.74E-003	8.00	31.01	32.00	33.39	32.07	37.33	0.00	0.00	0.00	0.30	0.00	145.25	-0.07	0.00	0.00	0.00	34.84	2.24	81.47	0.66	17.36	N/A	N/A	N/A	N/A
324	3.24	2.25	34.43	5.00	5.19E-007	1.62E-003	8.00	30.73	32.00	33.46	32.13	37.43	0.00	0.00	0.00	0.30	0.00	145.39	-0.07	0.00	0.00	0.00	35.04	2.29	82.25	0.66	17.37	N/A	N/A	N/A	N/A
325	3.25	2.24	34.43	5.00	5.06E-007	1.58E-003	8.00	30.59	32.00	33.46	32.12	37.41	0.00	0.00	0.00	0.30	0.00	145.37	-0.07	0.00	0.00	0.00	35.17	2.30	82.34	0.66	17.37	N/A	N/A	N/A	N/A
326	3.26	2.25	35.38	5.00	4.90E-007	1.53E-003	8.00	30.73	32.00	33.56	32.46	37.88	0.00	0.00	0.00	0.30	0.00	146.14	-0.07	0.00	0.00	0.00	35.41	2.33	83.46	0.66	17.40	N/A	N/A	N/A	N/A
327	3.27	2.26	35.25	5.00	4.99E-007	1.57E-003	8.00	30.86	32.00	33.53	32.50	37.92	0.00	0.00	0.00	0.30	0.00	146.22	-0.07	0.00	0.00	0.00	35.48	2.31	83.11	0.66	17.40	N/A	N/A	N/A	N/A
328	3.28	2.29	34.30	5.00	5.47E-007	1.74E-003	8.00	31.28	32.00	33.38	32.39	37.74	0.00	0.00	0.00	0.30	0.00	145.98	-0.07	0.00	0.00	0.00	35.40	2.25	81.38	0.66	17.37	N/A	N/A	N/A	N/A
329	3.29	2.30	34.02	5.00	5.61E-007	1.80E-003	8.00	31.42	32.00	33.34	32.38	37.71	0.00	0.00	0.00	0.30	0.00	145.97	-0.07	0.00	0.00	0.00	35.46	2.23	80.84	0.63	17.36	N/A	N/A	N/A	N/A
330	3.30	2.31	33.36	5.00	5.86E-007	1.89E-003	8.00	31.56	32.00	33.25	32.27	37.53	0.00	0.00	0.00	0.30	0.00	145.71	-0.07	0.00	0.00	0.00	35.45	2.20	79.79	0.57	17.34	N/A	N/A	N/A	N/A

	In situ data								Estimations																			
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
331	3.31	2.30	32.92	5.00	5.85E-007	1.87E-003	8.00	31.41	32.00	33.20	32.13	37.34	0.00	0.00	0.00	0.30	0.00	145.40	-0.07	0.00	0.00	0.00	35.50	2.20	79.28	0.55	17.33	N/A	N/A	N/A	N/A
332	3.32	2.26	32.89	5.00	5.43E-007	1.71E-003	8.00	30.85	32.00	33.24	31.98	37.15	0.00	0.00	0.00	0.30	0.00	145.07	-0.07	0.00	0.00	0.00	35.66	2.25	79.67	0.57	17.32	N/A	N/A	N/A	N/A
333	3.33	2.23	32.98	5.00	5.10E-007	1.58E-003	8.00	30.43	32.00	33.28	31.91	37.07	0.00	0.00	0.00	0.30	0.00	144.91	-0.07	0.00	0.00	0.00	35.83	2.30	80.13	0.59	17.32	N/A	N/A	N/A	N/A
334	3.34	2.20	32.92	5.00	4.81E-007	1.47E-003	8.00	30.01	31.00	33.30	31.80	36.92	0.00	0.00	0.00	0.30	0.00	144.65	-0.07	0.00	0.00	0.00	35.98	2.34	80.41	0.60	17.31	N/A	N/A	N/A	N/A
335	3.35	2.12	32.66	5.00	4.17E-007	1.23E-003	7.00	28.88	31.00	33.36	31.41	36.41	0.00	0.00	0.00	0.30	0.00	143.75	-0.07	0.00	0.00	0.00	36.18	2.45	81.14	0.64	17.29	N/A	N/A	N/A	N/A
336	3.36	2.08	32.82	5.00	3.81E-007	1.10E-003	7.00	28.32	30.00	33.43	31.31	36.29	0.00	0.00	0.00	0.30	0.00	143.52	-0.07	0.00	0.00	0.00	36.38	2.52	81.95	0.66	17.28	N/A	N/A	N/A	N/A
337	3.37	2.05	33.17	5.00	3.51E-007	9.98E-004	7.00	27.90	30.00	33.51	31.30	36.30	0.00	0.00	0.00	0.30	0.00	143.51	-0.07	0.00	0.00	0.00	36.61	2.59	82.91	0.66	17.29	N/A	N/A	N/A	N/A
338	3.38	1.99	34.21	5.00	2.94E-007	8.10E-004	7.00	27.06	30.00	33.72	31.35	36.41	0.00	0.00	0.00	0.30	0.00	143.62	-0.08	0.00	0.00	0.00	37.02	2.74	85.47	0.67	17.31	N/A	N/A	N/A	N/A
339	3.39	1.94	34.71	5.00	2.57E-007	6.91E-004	7.00	26.35	29.00	33.85	31.28	36.34	0.00	0.00	0.00	0.30	0.00	143.47	-0.08	0.00	0.00	0.00	37.32	2.86	87.14	0.67	17.32	N/A	N/A	N/A	N/A
340	3.40	1.91	35.41	5.00	2.32E-007	6.13E-004	7.00	25.93	29.00	33.98	31.36	36.47	0.00	0.00	0.00	0.30	0.00	143.65	-0.08	0.00	0.00	0.00	37.62	2.96	88.77	0.67	17.34	N/A	N/A	N/A	N/A
341	3.41	1.86	37.17	4.00	1.90E-007	4.90E-004	7.00	25.23	0.00	0.00	0.00	36.87	15.00	120.14	2.15	0.30	8.78	144.23	0.00	1.00	3.39	0.00	120.14	3.16	92.51	0.58	17.38	N/A	N/A	N/A	N/A
342	3.42	1.83	38.69	4.00	1.65E-007	4.18E-004	7.00	24.81	0.00	0.00	0.00	37.27	15.00	118.13	2.10	0.30	8.65	144.86	0.00	1.00	3.21	0.00	118.13	3.31	95.50	0.58	17.42	N/A	N/A	N/A	N/A
343	3.43	1.77	40.83	4.00	1.30E-007	3.19E-004	7.00	23.96	0.00	0.00	0.00	37.69	15.00	114.11	2.03	0.30	8.40	145.46	0.00	1.00	2.93	0.00	114.11	3.58	100.23	0.58	17.47	N/A	N/A	N/A	N/A
344	3.44	1.73	41.02	4.00	1.17E-007	2.79E-004	7.00	23.40	0.00	0.00	0.00	37.52	15.00	111.44	1.97	0.30	8.21	145.16	0.00	1.00	2.85	0.00	111.44	3.71	101.50	0.58	17.47	N/A	N/A	N/A	N/A
345	3.45	1.71	41.18	4.00	1.10E-007	2.60E-004	7.00	23.12	0.00	0.00	0.00	37.48	15.00	110.09	1.94	0.30	8.10	145.07	0.00	1.00	2.81	0.00	110.09	3.79	102.23	0.58	17.47	N/A	N/A	N/A	N/A
346	3.46	1.71	40.93	4.00	1.11E-007	2.61E-004	7.00	23.12	0.00	0.00	0.00	37.43	15.00	110.08	1.94	0.30	8.08	145.01	0.00	1.00	2.82	0.00	110.08	3.78	101.79	0.58	17.46	N/A	N/A	N/A	N/A
347	3.47	1.72	40.61	4.00	1.14E-007	2.71E-004	7.00	23.25	0.00	0.00	0.00	37.43	15.00	110.73	1.94	0.30	8.10	145.02	0.00	1.00	2.86	0.00	110.73	3.74	100.98	0.58	17.46	N/A	N/A	N/A	N/A
348	3.48	1.76	39.89	4.00	1.29E-007	3.13E-004	7.00	23.81	0.00	0.00	0.00	37.48	15.00	113.39	1.98	0.30	8.24	145.17	0.00	1.00	2.98	0.00	113.39	3.60	98.79	0.58	17.44	N/A	N/A	N/A	N/A
349	3.49	1.77	38.97	4.00	1.36E-007	3.33E-004	7.00	23.95	0.00	0.00	0.00	37.25	15.00	114.04	1.99	0.30	8.25	144.83	0.00	1.00	3.07	0.00	114.04	3.53	97.06	0.58	17.42	N/A	N/A	N/A	N/A
350	3.50	1.79	37.33	4.00	1.53E-007	3.78E-004	7.00	24.23	0.00	0.00	0.00	36.81	15.00	115.37	2.00	0.30	8.30	144.17	0.00	1.00	3.24	0.00	115.37	3.40	93.98	0.58	17.37	N/A	N/A	N/A	N/A
351	3.51	1.81	36.04	4.00	1.69E-007	4.22E-004	7.00	24.50	0.00	0.00	0.00	36.49	15.00	116.69	2.02	0.30	8.34	143.69	0.00	1.00	3.40	0.00	116.69	3.29	91.47	0.58	17.34	N/A	N/A	N/A	N/A
352	3.52	1.82	35.50	4.00	1.76E-007	4.43E-004	7.00	24.64	0.00	0.00	0.00	36.39	15.00	117.34	2.03	0.30	8.36	143.54	0.00	1.00	3.47	0.00	117.34	3.24	90.37	0.58	17.32	N/A	N/A	N/A	N/A
353	3.53	1.85	33.33	4.00	2.08E-007	5.33E-004	7.00	25.06	0.00	0.00	0.00	35.76	15.00	119.33	2.05	0.30	8.44	142.58	0.00	1.00	3.76	0.00	119.33	3.07	86.30	0.58	17.26	N/A	N/A	N/A	N/A
354	3.54	1.86	32.29	5.00	2.23E-007	5.74E-004	7.00	25.20	28.00	33.64	30.68	35.44	0.00	0.00	0.00	0.30	0.00	142.07	-0.08	0.00	0.00	0.00	38.75	3.00	84.43	0.67	17.22	N/A	N/A	N/A	N/A
355	3.55	1.88	31.15	5.00	2.46E-007	6.40E-004	7.00	25.47	28.00	33.45	30.47	35.12	0.00	0.00	0.00	0.30	0.00	141.60	-0.07	0.00	0.00	0.00	38.60	2.90	82.23	0.66	17.19	N/A	N/A	N/A	N/A
356	3.56	1.93	28.66	5.00	3.12E-007	8.33E-004	7.00	26.17	29.00	33.04	29.99	34.40	0.00	0.00	0.00	0.30	0.00	140.47	-0.06	0.00	0.00	0.00	38.10	2.69	77.43	0.47	17.10	N/A	N/A	N/A	N/A
357	3.57	1.97	27.02	5.00	3.71E-007	1.01E-003	7.00	26.73	29.00	32.75	29.69	33.93	0.00	0.00	0.00	0.30	0.00	139.76	-0.06	0.00	0.00	0.00	37.79	2.54	74.24	0.36	17.04	N/A	N/A	N/A	N/A
358	3.58	2.07	24.91	5.00	5.13E-007	1.47E-003	7.00	28.13	29.00	32.32	29.47	33.53	0.00	0.00	0.00	0.30	0.00	139.24	-0.05	0.00	0.00	0.00	37.28	2.29	69.70	0.25	16.97	N/A	N/A	N/A	N/A
359	3.59	2.11	24.44	5.00	5.67E-007	1.66E-003	7.00	28.69	30.00	32.20	29.51	33.54	0.00	0.00	0.00	0.30	0.00	139.33	-0.05	0.00	0.00	0.00	37.22	2.22	68.54	0.23	16.95	N/A	N/A	N/A	N/A
360	3.60	2.18	24.40	5.00	6.45E-007	1.95E-003	7.00	29.66	30.00	32.12	29.81	33.91	0.00	0.00	0.00	0.30	0.00	140.05	-0.04	0.00	0.00	0.00	37.21	2.14	67.76	0.21	16.96	N/A	N/A	N/A	N/A
361	3.61	2.20	24.53	5.00	6.60E-007	2.02E-003	7.00	29.94	30.00	32.12	29.96	34.11	0.00	0.00	0.00	0.30	0.00	140.41	-0.04	0.00	0.00	0.00	37.31	2.12	67.73	0.21	16.97	N/A	N/A	N/A	N/A
362	3.62	2.22	25.00	5.00	6.62E-007	2.04E-003	7.00	30.22	30.00	32.16	30.23	34.46	0.00	0.00	0.00	0.30	0.00	141.04	-0.05	0.00	0.00	0.00	37.48	2.12	68.17	0.22	17.00	N/A	N/A	N/A	N/A
363	3.63	2.28	25.70	5.00	7.02E-007	2.22E-003	8.00	31.06	31.00	32.20	30.74	35.13	0.00	0.00	0.00	0.30	0.00	142.21	-0.05	0.00	0.00	0.00	37.65	2.09	68.57	0.23	17.04	N/A	N/A	N/A	N/A
364	3.64	2.31	26.49	5.00	7.02E-007	2.25E-003	8.00	31.47	31.00	32.28	31.15	35.68	0.00	0.00	0.00	0.30	0.00	143.17	-0.05	0.00	0.00	0.00	37.87	2.09	69.34	0.24	17.08	N/A	N/A	N/A	N/A
365	3.65	2.34	28.22	5.00	6.66E-007	2.16E-003	8.00	31.89	31.00	32.48	31.87	36.67	0.00	0.00	0.00	0.30	0.00	144.81	-0.05	0.00	0.00	0.00	38.26	2.12	71.33	0.28	17.16	N/A	N/A	N/A	N/A
366	3.66	2.36	29.95	5.00	6.23E-007	2.04E-003	8.00	32.17	31.00	32.67	32.53	37.59	0.00	0.00	0.00	0.30	0.00	146.31	-0.06	0.00	0.00	0.00	38.66	2.16	73.37	0.34	17.23	N/A	N/A	N/A	N/A
367	3.67	2.36	31.40	5.00	5.74E-007	1.88E-003	8.00	32.17	31.00	32.84	33.02	38.27	0.00	0.00	0.00	0.30	0.00	147.39	-0.06	0.00	0.00	0.00	39.03	2.22	75.23	0.39	17.28	N/A	N/A	N/A	N/A
368	3.68	2.38	33.45	5.00	5.33E-007	1.76E-003	8.00	32.44	31.00	33.06	33.76	39.30	0.00	0.00	0.00	0.30	0.00	149.03	-0.06	0.00	0.00	0.00	39.46	2.27	77.63	0.48	17.36	N/A	N/A	N/A	N/A
369	3.69	2.39	34.43	5.00	5.14E-007	1.71E-003	8.00	32.58	31.00	33.16	34.12	39.80	0.00	0.00	0.00	0.30	0.00	149.83	-0.07	0.00	0.00	0.00	39.73	2.29	78.74	0.53	17.39	N/A	N/A	N/A	N/A
370	3.70	2.40	35.50	5.00	4.94E-007	1.65E-003	8.00	32.72	31.00	33.26	34.51	40.34	0.00	0.00	0.00	0.30	0.00	150.68	-0.07	0.00	0.00	0.00	40.00	2.32	79.96	0.58	17.43	N/A	N/A	N/A	N/A
371	3.71	2.38	37.87	5.00	4.26E-007	1.41E-003	8.00	32.44	31.00	33.54	35.14	41.25	0.00	0.00	0.00	0.30	0.00	152.06	-0.07	0.00	0.00	0.00	40.54	2.43	83.22	0.66	17.50	N/A	N/A	N/A	N/A
372	3.72	2.37	39.19	5.00	3.93E-007	1.29E-003	8.00	32.29	31.00	33.68	35.50	41.76	0.00	0.00	0.00	0.30	0.00	152.84	-0.08	0.00	0.00	0.00	40.88	2.50	85.01	0.67	17.54	N/A	N/A	N/A	N/A
373	3.73	2.33	43.92	5.00	2.99E-007	9.68E-004	8.00	31.73	31.00	34.20	36.65	43.41	0.00	0.00	0.00	0.30	0.00	155.28	-0.09	0.00	0.00	0.00	41.81	2.73	91.69	0.68	17.66	N/A	N/A	N/A	N/A
374	3.74	2.32	46.63	5.00	2.63E-007	8.47E-004	9.00	31.59	31.00	34.47	37.34	44.41	0.00	0.00	0.00	0.30	0.00	156.75	-0.09	0.00	0.00	0.00	42.35	2.84	95.30	0.69	17.73	N/A	N/A	N/A	N/A
375	3.75	2.32	50.42	4.00	2.28E-007	7.33E-004	9.00	31.59	0.00	0.00	0.00	45.81	15.00	150.42	2.43	0.30	10.07	158.81	0.00	1.00	3.13	0.00	150.42	2.98	100.10	0.58	17.82	N/A	N/A	N/A	N/A
376	3.76	2.33	52.34	4.00	2.15E-007	6.97E-004	9.00	31.72	0.00	0.00	0.00	46.59	15.00	151.07	2.43	0.30	10.11	159.95	0.00	1.00	3.03	0.00	151.07	3.04	102.28	0.58	17.86	N/A	N/A	N/A	N/A
377	3.77	2.34	54.52	4.00	2.02E-007	6.58E-004	9.00	31.86	0.00	0.00	0.00	47.45	15.00	151.73	2.44	0.30	10.14	161.19	0.00	1.00	2.92	0.00	151.73	3.10	104.76	0.58	17.91	N/A	N/A	N/A	N/A
378	3.78	2.37	57.60	4.00	1.92E-007	6.32E-004	9.00	32.28	0.00	0.00	0.00	48.72	15.00	153.71	2.46	0.30	10.27	163.03	0.00	1.00	2.80	0.00	153.71	3.15	107.91	0.58	17.98	N/A	N/A	N/A	N/A
379	3.79	2.37	59.06	4.00	1.82E-007	6.00E-004	9.00	32.28	0.00	0.00	0.00	49.25	15.00	153.70	2.46	0.30	10.26	163.79	0.00	1.00	2.73	0.00	153.70	3.21	109.64	0.58	18.01	N/A	N/A	N/A	N/A
380	3.80	2.36	61.48	4.00	1.66E-007	5.42E-004	9.00	32.14	0.00	0.00	0.00	50.02	15.00	153.03	2.44	0.30	10.21	164.86	0.00	1.00	2.61	0.00	153.03	3.31	112.75	0.58	18.05	N/A	N/A	N/A	N/A
381	3.81	2.36	62.46	4.00	1.60E-007	5.23E-004	9.00	32.13	0.00	0.00	0.00	50.39	15.00	153.01	2.43	0.30	10.20	165.38	0.00	1.00	2.57	0.00	153.01	3.35	113.88	0.58	18.07	N/A	N/A	N/A	N/A
382	3.82	2.36	63.94	4.00	1.52E-007	4.98E-004	9.00	32.13	0.00	0.00	0.00	50.91	15.00	153.00	2.42	0.30	10.19	166.11	0.00	1.00	2.51	0.00	153.00	3.40	115.60	0.58	18.10	N/A	N/A	N/A	N/A
383	3.83	2.30	66.28	4.00	1.27E-007	4.05E-004	9.00	31.29	0.00	0.00	0.00	51.31	15.00	148.99	2.35	0.30	9.94	166.61	0.00	1.00	2.36	0.00	148.99	3.61	119.72	0.58	18.13	N/A	N/A	N/A	N/A
384	3.84	2.28	67.25	4.00	1.19E-007	3.75E-004	9.00	31.01	0.00	0.00	0.00	51.52	15.00	147.65	2.33	0.30	9.84	166.90	0.00	1.00	2.31	0.00	147.65	3.70	121.30	0.58	18.14	N/A	N/A	N/A	N/A
385	3.85	2.26	67.98	4.00	1.11E-007	3.49E-004	9.00	30.72	0.00	0.00	0.00	51.66	15.00	146.30	2.30	0.30	9.75	167.09	0.00	1.00	2.26	0.00	146.30	3.77	122.59	0.58	18.15	N/A	N/A	N/A	N/A
386	3.86	2.24	68.67	4.00	1.05E-007	3.25E-004	9.00	30.44	0.00	0.00	0.00	51.79	15.00	144.95	2.27	0.30	9.65	167.25	0.00	1.00	2.22	0.00	144.95	3.85	123.84	0.58	18.16	N/A	N/A	N/A	N/A
387	3.87	2.22	68.61	4.00	1.00E-007	3.09E-004	9.00	30.16	0.00	0.00	0.00	51.68	15.00	143.61	2.24	0.30	9.54	167.10	0.00	1.00	2.20	0.00	143.61	3.90	124.19	0.58	18.16	N/A	N/A	N/A	N/A
388	3.88	2.21	66.84	4.00	1.03E-007	3.15E-004	9.00	30.02	0.00	0.00	0.00	51.12	15.00	142.93	2.23	0.30	9.47	166.33	0.00	1.00	2.25	0.00	142.93	3.87	122.22	0.58	18.13	N/A	N/A	N/A	N/A
389	3.89	2.20	65.68	4.00	1.04E-007	3.16E-004	9.00	29.87	0.00	0.00	0.00	50.74	15.00	142.25	2.21	0.30	9.40	165.81	0.00	1.00	2.27	0.00	142.25	3.86	120.99	0.58	18.10	N/A	N/A	N/A	N/A
390	3.90	2.18	64.67	4.00	1.02E-007	3.08E-004	9.00	29.59	0.00	0.00	0.00	50.33	15.00	140.91	2.18	0.30	9.29	165.24	0.00	1.00	2.29	0.00	140.91	3.88	120.17	0.58	18.08	N/A	N/A	N/A	N/A
391	3.91	2.16	62.59	4.00	1.04E-007	3.11E-004	9.00	29.31	0.00	0.00	0.00	49.58	15.00	139.56	2.16	0.30	9.18	164.20	0.00	1.00	2.34	0.00	139.56	3.86	118.03	0.58	18.04	N/A	N/A	N/A	N/A
392	3.92	2.16	62.59	4.00	1.03E-007	3.09E-004	9.00	29.30	0.00	0.00	0.00	49.63	15.00	139.55	2.15	0.30	9.16	164.27	0.00	1.00	2.34	0.00	139.55	3.87	117.97	0.58	18.04	N/A	N/A	N/A	N/A
393	3.93	2.16	62.59	4.00	1.03E-007	3.07E-004	9.00	29.30	0.00	0.00	0.00	49.67	15.00	139.53	2.14	0.30	9.13	164.35	0.00	1.00	2.34	0.00	139.53	3.87	117.91	0.58	18.04	N/A	N/A	N/A	N/A
394	3.94	2.21	51.55	4.00	1.61E-007	4.92E-004	8.00	30.00	0.00	0.00	0.00	46.35	15.00	142.85	2.19	0.30	9.23	159.70	0.00	1.00	2.91	0.00	142.85	3.34	102.86	0.58	17.83	N/A	N/A	N/A	N/A
395	3.95	2.24	50.48	4.00	1.76E-007	5.45E-004	9.00	30.42	0.00	0.00	0.00	46.19	15.00	144.84	2.21	0.30	9.32	159.52	0.00	1.00	3.01	0.00	144.84	3.25	100.84	0.58	17.81	N/A	N/A	N/A	N/A
396	3.96	2.24	49.66	4.00	1.80E-007	5.58E-004	9.00	30.41	0.00	0.00	0.00	45.94	15.00	144.83	2.21	0.30	9.29	159.17	0.00	1.00	3.06	0.00	144.83	3.22	99.76	0.58	17.79	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
397	3.97	2.25	48.78	4.00	1.88E-007	5.87E-004	9.00	30.55	0.00	0.00	0.00	45.72	15.00	145.48	2.21	0.30	9.30	158.88	0.00	1.00	3.13	0.00	145.48	3.17	98.40	0.58	17.77	N/A	N/A	N/A	N/A
398	3.98	2.24	47.61	4.00	1.92E-007	5.95E-004	8.00	30.41	0.00	0.00	0.00	45.28	15.00	144.80	2.19	0.30	9.23	158.23	0.00	1.00	3.19	0.00	144.80	3.15	97.05	0.58	17.74	N/A	N/A	N/A	N/A
399	3.99	2.23	47.07	4.00	1.91E-007	5.90E-004	8.00	30.27	0.00	0.00	0.00	45.06	15.00	144.12	2.18	0.30	9.17	157.91	0.00	1.00	3.22	0.00	144.12	3.16	96.51	0.58	17.73	N/A	N/A	N/A	N/A
400	4.00	2.21	46.32	4.00	1.89E-007	5.76E-004	8.00	29.98	0.00	0.00	0.00	44.70	15.00	142.78	2.15	0.30	9.07	157.38	0.00	1.00	3.24	0.00	142.78	3.17	95.88	0.58	17.70	N/A	N/A	N/A	N/A
401	4.01	2.21	45.69	4.00	1.92E-007	5.87E-004	8.00	29.98	0.00	0.00	0.00	44.50	15.00	142.77	2.15	0.30	9.04	157.10	0.00	1.00	3.28	0.00	142.77	3.15	95.03	0.58	17.69	N/A	N/A	N/A	N/A
402	4.02	2.20	45.34	4.00	1.90E-007	5.78E-004	8.00	29.84	0.00	0.00	0.00	44.35	15.00	142.09	2.13	0.30	8.98	156.88	0.00	1.00	3.29	0.00	142.09	3.16	94.72	0.58	17.68	N/A	N/A	N/A	N/A
403	4.03	2.17	44.71	4.00	1.83E-007	5.49E-004	8.00	29.42	0.00	0.00	0.00	43.97	15.00	140.08	2.09	0.30	8.84	156.30	0.00	1.00	3.29	0.00	140.08	3.20	94.43	0.58	17.66	N/A	N/A	N/A	N/A
404	4.04	2.14	44.55	4.00	1.73E-007	5.11E-004	8.00	28.99	0.00	0.00	0.00	43.77	15.00	138.07	2.06	0.30	8.71	155.98	0.00	1.00	3.25	0.00	138.07	3.26	94.77	0.58	17.65	N/A	N/A	N/A	N/A
405	4.05	2.11	43.64	4.00	1.68E-007	4.89E-004	8.00	28.57	0.00	0.00	0.00	43.28	15.00	136.05	2.02	0.30	8.57	155.23	0.00	1.00	3.27	0.00	136.05	3.29	94.10	0.58	17.62	N/A	N/A	N/A	N/A
406	4.06	2.10	42.53	4.00	1.71E-007	4.97E-004	8.00	28.43	0.00	0.00	0.00	42.83	15.00	135.37	2.01	0.30	8.50	154.57	0.00	1.00	3.34	0.00	135.37	3.27	92.78	0.58	17.59	N/A	N/A	N/A	N/A
407	4.07	2.10	41.71	4.00	1.76E-007	5.11E-004	8.00	28.43	0.00	0.00	0.00	42.55	15.00	135.36	2.00	0.30	8.48	154.16	0.00	1.00	3.41	0.00	135.36	3.24	91.63	0.58	17.56	N/A	N/A	N/A	N/A
408	4.08	2.09	40.86	4.00	1.78E-007	5.14E-004	8.00	28.28	0.00	0.00	0.00	42.19	15.00	134.69	1.99	0.30	8.42	153.63	0.00	1.00	3.46	0.00	134.69	3.23	90.64	0.58	17.54	N/A	N/A	N/A	N/A
409	4.09	2.08	40.52	4.00	1.76E-007	5.06E-004	8.00	28.14	0.00	0.00	0.00	42.04	15.00	134.01	1.97	0.30	8.36	153.39	0.00	1.00	3.47	0.00	134.01	3.24	90.33	0.58	17.53	N/A	N/A	N/A	N/A
410	4.10	2.07	39.70	4.00	1.78E-007	5.09E-004	8.00	28.00	0.00	0.00	0.00	41.69	15.00	133.33	1.96	0.30	8.30	152.86	0.00	1.00	3.53	0.00	133.33	3.23	89.37	0.58	17.50	N/A	N/A	N/A	N/A
411	4.11	2.08	39.29	4.00	1.84E-007	5.28E-004	8.00	28.14	0.00	0.00	0.00	41.62	15.00	133.98	1.96	0.30	8.31	152.78	0.00	1.00	3.58	0.00	133.98	3.20	88.59	0.58	17.49	N/A	N/A	N/A	N/A
412	4.12	2.09	37.68	4.00	2.01E-007	5.79E-004	8.00	28.27	0.00	0.00	0.00	41.06	15.00	134.64	1.97	0.30	8.32	151.96	0.00	1.00	3.75	0.00	134.64	3.11	86.17	0.58	17.44	N/A	N/A	N/A	N/A
413	4.13	2.10	36.89	4.00	2.11E-007	6.12E-004	8.00	28.41	0.00	0.00	0.00	40.83	15.00	135.29	1.97	0.30	8.33	151.63	0.00	1.00	3.85	0.00	135.29	3.06	84.88	0.58	17.42	N/A	N/A	N/A	N/A
414	4.14	2.12	35.79	5.00	2.30E-007	6.73E-004	8.00	28.69	28.00	33.52	34.74	40.52	0.00	0.00	0.00	0.30	0.00	151.19	-0.07	0.00	0.00	0.00	45.58	2.97	82.99	0.66	17.39	N/A	N/A	N/A	N/A
415	4.15	2.14	35.53	5.00	2.41E-007	7.12E-004	8.00	28.97	28.00	33.46	34.79	40.56	0.00	0.00	0.00	0.30	0.00	151.28	-0.07	0.00	0.00	0.00	45.59	2.93	82.28	0.66	17.39	N/A	N/A	N/A	N/A
416	4.16	2.16	35.31	5.00	2.52E-007	7.51E-004	8.00	29.24	28.00	33.40	34.84	40.62	0.00	0.00	0.00	0.30	0.00	151.40	-0.07	0.00	0.00	0.00	45.61	2.88	81.63	0.66	17.38	N/A	N/A	N/A	N/A
417	4.17	2.18	34.37	5.00	2.73E-007	8.20E-004	8.00	29.52	29.00	33.27	34.67	40.36	0.00	0.00	0.00	0.30	0.00	151.04	-0.07	0.00	0.00	0.00	45.49	2.81	80.01	0.58	17.36	N/A	N/A	N/A	N/A
418	4.18	2.22	33.83	5.00	3.00E-007	9.21E-004	8.00	30.08	29.00	33.15	34.71	40.38	0.00	0.00	0.00	0.30	0.00	151.13	-0.07	0.00	0.00	0.00	45.40	2.72	78.66	0.52	17.34	N/A	N/A	N/A	N/A
419	4.19	2.23	33.39	5.00	3.11E-007	9.59E-004	8.00	30.22	29.00	33.08	34.65	40.27	0.00	0.00	0.00	0.30	0.00	150.99	-0.06	0.00	0.00	0.00	45.40	2.69	77.90	0.49	17.33	N/A	N/A	N/A	N/A
420	4.20	2.26	32.44	5.00	3.43E-007	1.07E-003	8.00	30.63	29.00	32.93	34.51	40.05	0.00	0.00	0.00	0.30	0.00	150.68	-0.06	0.00	0.00	0.00	45.25	2.61	76.20	0.43	17.30	N/A	N/A	N/A	N/A
421	4.21	2.25	32.32	5.00	3.38E-007	1.05E-003	8.00	30.49	29.00	32.93	34.46	39.97	0.00	0.00	0.00	0.30	0.00	150.57	-0.06	0.00	0.00	0.00	45.35	2.62	76.14	0.42	17.30	N/A	N/A	N/A	N/A
422	4.22	2.25	32.29	5.00	3.36E-007	1.05E-003	8.00	30.49	29.00	32.92	34.48	39.99	0.00	0.00	0.00	0.30	0.00	150.61	-0.06	0.00	0.00	0.00	45.45	2.62	76.08	0.42	17.30	N/A	N/A	N/A	N/A
423	4.23	2.24	33.93	5.00	3.03E-007	9.36E-004	8.00	30.35	29.00	33.12	34.98	40.70	0.00	0.00	0.00	0.30	0.00	151.70	-0.07	0.00	0.00	0.00	45.92	2.72	78.38	0.51	17.35	N/A	N/A	N/A	N/A
424	4.24	2.22	35.09	5.00	2.74E-007	8.40E-004	8.00	30.07	29.00	33.28	35.28	41.13	0.00	0.00	0.00	0.30	0.00	152.35	-0.07	0.00	0.00	0.00	46.31	2.80	80.19	0.59	17.39	N/A	N/A	N/A	N/A
425	4.25	2.17	38.69	4.00	2.10E-007	6.28E-004	8.00	29.36	0.00	0.00	0.00	42.41	15.00	139.82	1.98	0.30	8.40	154.23	0.00	1.00	3.79	0.00	139.82	3.06	85.76	0.58	17.49	N/A	N/A	N/A	N/A
426	4.26	2.16	40.33	4.00	1.91E-007	5.68E-004	8.00	29.22	0.00	0.00	0.00	43.06	15.00	139.14	1.96	0.30	8.36	155.20	0.00	1.00	3.62	0.00	139.14	3.16	88.07	0.58	17.54	N/A	N/A	N/A	N/A
427	4.27	2.13	43.64	4.00	1.56E-007	4.58E-004	8.00	28.80	0.00	0.00	0.00	44.23	15.00	137.13	1.93	0.30	8.26	156.91	0.00	1.00	3.30	0.00	137.13	3.38	92.94	0.58	17.62	N/A	N/A	N/A	N/A
428	4.28	2.13	45.43	4.00	1.44E-007	4.24E-004	8.00	28.80	0.00	0.00	0.00	44.96	15.00	137.12	1.92	0.30	8.25	157.99	0.00	1.00	3.17	0.00	137.12	3.46	95.24	0.58	17.67	N/A	N/A	N/A	N/A
429	4.29	2.14	50.42	4.00	1.22E-007	3.59E-004	8.00	28.93	0.00	0.00	0.00	46.92	15.00	137.78	1.93	0.30	8.30	160.85	0.00	1.00	2.87	0.00	137.78	3.67	101.38	0.58	17.79	N/A	N/A	N/A	N/A
430	4.30	2.14	52.34	4.00	1.13E-007	3.33E-004	9.00	28.93	0.00	0.00	0.00	47.65	15.00	137.77	1.92	0.30	8.29	161.91	0.00	1.00	2.76	0.00	137.77	3.75	103.75	0.58	17.83	N/A	N/A	N/A	N/A
431	4.31	2.14	53.85	4.00	1.07E-007	3.15E-004	9.00	28.93	0.00	0.00	0.00	48.23	15.00	137.75	1.92	0.30	8.28	162.74	0.00	1.00	2.69	0.00	137.75	3.83	105.59	0.58	17.86	N/A	N/A	N/A	N/A
432	4.32	2.12	57.64	4.00	9.01E-008	2.63E-004	9.00	28.65	0.00	0.00	0.00	49.46	15.00	136.41	1.90	0.30	8.21	164.46	0.00	1.00	2.48	0.00	136.41	4.04	110.63	0.58	17.94	N/A	N/A	N/A	N/A
433	4.33	2.10	59.69	4.00	8.07E-008	2.33E-004	9.00	28.36	0.00	0.00	0.00	50.06	15.00	135.06	1.87	0.30	8.13	165.29	0.00	1.00	2.38	0.00	135.06	4.19	113.52	0.58	17.98	N/A	N/A	N/A	N/A
434	4.34	2.08	63.00	4.00	6.96E-008	1.99E-004	9.00	28.08	0.00	0.00	0.00	51.06	15.00	133.72	1.85	0.30	8.05	166.66	0.00	1.00	2.23	0.00	133.72	4.39	117.90	0.58	18.03	N/A	N/A	N/A	N/A
435	4.35	2.08	64.38	4.00	6.65E-008	1.90E-004	9.00	28.08	0.00	0.00	0.00	51.56	15.00	133.71	1.84	0.30	8.04	167.35	0.00	1.00	2.18	0.00	133.71	4.46	119.48	0.58	18.06	N/A	N/A	N/A	N/A
436	4.36	2.08	65.83	4.00	6.34E-008	1.82E-004	9.00	28.08	0.00	0.00	0.00	52.07	15.00	133.69	1.84	0.30	8.03	168.06	0.00	1.00	2.13	0.00	133.69	4.53	121.13	0.58	18.08	N/A	N/A	N/A	N/A
437	4.37	2.09	69.46	4.00	5.82E-008	1.67E-004	9.00	28.21	0.00	0.00	0.00	53.34	15.00	134.35	1.84	0.30	8.06	169.80	0.00	1.00	2.03	0.00	134.35	4.65	125.06	0.58	18.15	N/A	N/A	N/A	N/A
438	4.38	2.10	71.23	4.00	5.63E-008	1.63E-004	9.00	28.35	0.00	0.00	0.00	54.01	15.00	135.00	1.85	0.30	8.09	170.72	0.00	1.00	1.99	0.00	135.00	4.70	126.78	0.58	18.18	N/A	N/A	N/A	N/A
439	4.39	2.13	73.09	4.00	5.66E-008	1.66E-004	9.00	28.77	0.00	0.00	0.00	54.85	15.00	136.99	1.87	0.30	8.19	171.88	0.00	1.00	1.97	0.00	136.99	4.70	128.11	0.58	18.21	N/A	N/A	N/A	N/A
440	4.40	2.18	76.37	4.00	5.71E-008	1.72E-004	9.00	29.47	0.00	0.00	0.00	56.27	15.00	140.31	1.91	0.30	8.36	173.81	0.00	1.00	1.93	0.00	140.31	4.68	130.51	0.58	18.27	N/A	N/A	N/A	N/A
441	4.41	2.21	77.69	4.00	5.83E-008	1.78E-004	9.00	29.88	0.00	0.00	0.00	56.94	15.00	142.30	1.93	0.30	8.46	174.72	0.00	1.00	1.92	0.00	142.30	4.65	131.17	0.58	18.30	N/A	N/A	N/A	N/A
442	4.42	2.21	79.05	4.00	5.61E-008	1.71E-004	9.00	29.88	0.00	0.00	0.00	57.40	15.00	142.29	1.93	0.30	8.45	175.32	0.00	1.00	1.89	0.00	142.29	4.71	132.59	0.58	18.32	N/A	N/A	N/A	N/A
443	4.43	2.21	81.19	4.00	5.30E-008	1.61E-004	9.00	29.88	0.00	0.00	0.00	58.09	15.00	142.28	1.92	0.30	8.43	176.23	0.00	1.00	1.84	0.00	142.28	4.80	134.83	0.58	18.35	N/A	N/A	N/A	N/A
444	4.44	2.20	82.04	4.00	5.06E-008	1.53E-004	9.00	29.74	0.00	0.00	0.00	58.32	15.00	141.60	1.91	0.30	8.38	176.52	0.00	1.00	1.81	0.00	141.60	4.86	135.91	0.58	18.36	N/A	N/A	N/A	N/A
445	4.45	2.21	83.96	4.00	4.91E-008	1.49E-004	9.00	29.87	0.00	0.00	0.00	59.01	15.00	142.25	1.91	0.30	8.41	177.43	0.00	1.00	1.78	0.00	142.25	4.91	137.64	0.58	18.39	N/A	N/A	N/A	N/A
446	4.46	2.22	84.82	4.00	4.88E-008	1.49E-004	10.00	30.01	0.00	0.00	0.00	59.38	15.00	142.91	1.92	0.30	8.43	177.93	0.00	1.00	1.77	0.00	142.91	4.92	138.23	0.58	18.40	N/A	N/A	N/A	N/A
447	4.47	2.25	86.27	4.00	4.97E-008	1.54E-004	10.00	30.43	0.00	0.00	0.00	60.08	15.00	144.90	1.94	0.30	8.52	178.85	0.00	1.00	1.76	0.00	144.90	4.89	138.96	0.58	18.43	N/A	N/A	N/A	N/A
448	4.48	2.26	87.31	4.00	4.93E-008	1.53E-004	10.00	30.57	0.00	0.00	0.00	60.51	15.00	145.55	1.94	0.30	8.54	179.42	0.00	1.00	1.75	0.00	145.55	4.91	139.73	0.58	18.44	N/A	N/A	N/A	N/A
449	4.49	2.28	88.69	4.00	4.93E-008	1.55E-004	10.00	30.84	0.00	0.00	0.00	61.11	15.00	146.87	1.96	0.30	8.60	180.20	0.00	1.00	1.74	0.00	146.87	4.90	140.60	0.58	18.46	N/A	N/A	N/A	N/A
450	4.50	2.28	88.91	4.00	4.88E-008	1.54E-004	10.00	30.84	0.00	0.00	0.00	61.23	15.00	146.86	1.95	0.30	8.58	180.36	0.00	1.00	1.73	0.00	146.86	4.92	140.74	0.58	18.47	N/A	N/A	N/A	N/A
451	4.51	2.24	87.59	4.00	4.64E-008	1.43E-004	10.00	30.28	0.00	0.00	0.00	60.60	15.00	144.18	1.91	0.30	8.41	179.54	0.00	1.00	1.73	0.00	144.18	5.00	140.25	0.58	18.44	N/A	N/A	N/A	N/A
452	4.52	2.22	86.45	4.00	4.56E-008	1.39E-004	10.00	30.00	0.00	0.00	0.00	60.17	15.00	142.84	1.89	0.30	8.32	178.99	0.00	1.00	1.73	0.00	142.84	5.03	139.45	0.58	18.42	N/A	N/A	N/A	N/A
453	4.53	2.19	85.07	4.00	4.41E-008	1.33E-004	9.00	29.57	0.00	0.00	0.00	59.59	15.00	140.82	1.86	0.30	8.19	178.25	0.00	1.00	1.74	0.00	140.82	5.08	138.64	0.58	18.40	N/A	N/A	N/A	N/A
454	4.54	2.17	83.77	4.00	4.35E-008	1.30E-004	9.00	29.29	0.00	0.00	0.00	59.11	15.00	139.48	1.84	0.30	8.09	177.62	0.00	1.00	1.75	0.00	139.48	5.10	137.67	0.58	18.38	N/A	N/A	N/A	N/A
455	4.55	2.12	80.46	4.00	4.23E-008	1.23E-004	9.00	28.59	0.00	0.00	0.00	57.80	15.00	136.13	1.79	0.30	7.88	175.91	0.00	1.00	1.78	0.00	136.13	5.15	135.25	0.58	18.32	N/A	N/A	N/A	N/A
456	4.56	2.11	78.04	4.00	4.38E-008	1.27E-004	9.00	28.44	0.00	0.00	0.00	57.04	15.00	135.45	1.77	0.30	7.82	174.93	0.00	1.00	1.82	0.00	135.45	5.09	132.80	0.58	18.29	N/A	N/A	N/A	N/A
457	4.57	2.07	73.81	4.00	4.47E-008	1.27E-004	9.00	27.88	0.00	0.00	0.00	55.49	15.00	132.77	1.73	0.30	7.65	172.88	0.00	1.00	1.89	0.00	132.77	5.06	129.04	0.58	18.21	N/A	N/A	N/A	N/A
458	4.58	2.04	71.54	4.00	4.43E-008	1.24E-004	9.00	27.46	0.00	0.00	0.00	54.61	15.00	130.76	1.70	0.30	7.52	171.69	0.00	1.00	1.92	0.00	130.76	5.07	127.15	0.58	18.17	N/A	N/A	N/A	N/A
459	4.59	2.01	68.48	4.00	4.49E-008	1.24E-004	9.00	27.04	0.00	0.00	0.00	53.46	15.00	128.75	1.67	0.30	7.39	170.14	0.00	1.00	1.97	0.00	128.75	5.05	124.33	0.58	18.12	N/A	N/A	N/A	N/A
460	4.60	1.94	63.37	4.00	4.44E-008	1.18E-004	8.00	26.05	0.00	0.00	0.00	51.33	15.00	124.07	1.61	0.30	7.10	167.19	0.00	1.00	2.06	0.00	124.07	5.07	119.99	0.58	18.01	N/A	N/A	N/A	N/A
461	4.61	1.92	61.26	4.00	4.51E-008	1.18E-004	8.00	25.77	0.00	0.00	0.00	50.53	15.00	122.73	1.59	0.30	7.01	166.08	0.00	1.00	2.10	0.00	122.73	5.05	117.91	0.58	17.97	N/A	N/A	N/A	N/A
462	4.62	1.91	57.07	4.00	5.00E-008	1.31E-004	8.00	25.63	0.00	0.00	0.00	49.08	15.00	122.05	1.58	0.30	6.95	164.06	0.00	1.00	2.25	0.00	122.05	4.88	113.05	0.58	17.89	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
463	4.63	1.91	55.40	4.00	5.26E-008	1.37E-004	8.00	25.63	0.00	0.00	0.00	48.54	15.00	122.03	1.57	0.30	6.93	163.32	0.00	1.00	2.31	0.00	122.03	4.81	110.96	0.58	17.85	N/A	N/A	N/A	N/A
464	4.64	1.92	51.96	4.00	6.02E-008	1.58E-004	8.00	25.76	0.00	0.00	0.00	47.43	15.00	122.69	1.58	0.30	6.93	161.76	0.00	1.00	2.48	0.00	122.69	4.60	106.44	0.58	17.78	N/A	N/A	N/A	N/A
465	4.65	1.94	50.16	4.00	6.68E-008	1.77E-004	8.00	26.04	0.00	0.00	0.00	46.96	15.00	124.01	1.59	0.30	6.98	161.11	0.00	1.00	2.60	0.00	124.01	4.45	103.70	0.58	17.75	N/A	N/A	N/A	N/A
466	4.66	1.96	49.38	4.00	7.14E-008	1.92E-004	8.00	26.32	0.00	0.00	0.00	46.84	15.00	125.33	1.60	0.30	7.04	160.99	0.00	1.00	2.67	0.00	125.33	4.36	102.26	0.58	17.73	N/A	N/A	N/A	N/A
467	4.67	2.00	46.41	4.00	8.67E-008	2.37E-004	8.00	26.88	0.00	0.00	0.00	46.02	15.00	127.99	1.63	0.30	7.15	159.86	0.00	1.00	2.90	0.00	127.99	4.09	97.63	0.58	17.67	N/A	N/A	N/A	N/A
468	4.68	2.01	45.15	4.00	9.25E-008	2.55E-004	8.00	27.02	0.00	0.00	0.00	45.64	15.00	128.64	1.64	0.30	7.17	159.32	0.00	1.00	2.99	0.00	128.64	4.01	95.78	0.58	17.64	N/A	N/A	N/A	N/A
469	4.69	2.00	44.36	4.00	9.30E-008	2.55E-004	8.00	26.87	0.00	0.00	0.00	45.30	15.00	127.97	1.63	0.30	7.12	158.83	0.00	1.00	3.03	0.00	127.97	4.00	94.93	0.58	17.62	N/A	N/A	N/A	N/A
470	4.70	2.01	43.76	4.00	9.68E-008	2.67E-004	8.00	27.01	0.00	0.00	0.00	45.16	15.00	128.62	1.63	0.30	7.14	158.65	0.00	1.00	3.09	0.00	128.62	3.95	93.93	0.58	17.60	N/A	N/A	N/A	N/A
471	4.71	2.02	43.54	4.00	9.93E-008	2.75E-004	8.00	27.15	0.00	0.00	0.00	45.18	15.00	129.28	1.64	0.30	7.15	158.69	0.00	1.00	3.12	0.00	129.28	3.92	93.41	0.58	17.60	N/A	N/A	N/A	N/A
472	4.72	2.04	43.20	4.00	1.05E-007	2.92E-004	8.00	27.43	0.00	0.00	0.00	45.20	15.00	130.60	1.65	0.30	7.21	158.77	0.00	1.00	3.17	0.00	130.60	3.85	92.56	0.58	17.59	N/A	N/A	N/A	N/A
473	4.73	2.04	43.13	4.00	1.04E-007	2.92E-004	8.00	27.42	0.00	0.00	0.00	45.21	15.00	130.59	1.64	0.30	7.19	158.79	0.00	1.00	3.18	0.00	130.59	3.85	92.44	0.58	17.59	N/A	N/A	N/A	N/A
474	4.74	2.04	43.35	4.00	1.03E-007	2.88E-004	8.00	27.42	0.00	0.00	0.00	45.34	15.00	130.57	1.64	0.30	7.18	158.98	0.00	1.00	3.16	0.00	130.57	3.87	92.69	0.58	17.60	N/A	N/A	N/A	N/A
475	4.75	2.05	43.48	4.00	1.04E-007	2.92E-004	8.00	27.56	0.00	0.00	0.00	45.49	15.00	131.23	1.65	0.30	7.20	159.23	0.00	1.00	3.17	0.00	131.23	3.86	92.63	0.58	17.60	N/A	N/A	N/A	N/A
476	4.76	2.08	44.43	4.00	1.06E-007	3.02E-004	8.00	27.98	0.00	0.00	0.00	46.10	15.00	133.22	1.67	0.30	7.30	160.15	0.00	1.00	3.15	0.00	133.22	3.83	93.24	0.58	17.63	N/A	N/A	N/A	N/A
477	4.77	2.10	44.55	4.00	1.09E-007	3.15E-004	8.00	28.25	0.00	0.00	0.00	46.31	15.00	134.54	1.68	0.30	7.35	160.48	0.00	1.00	3.17	0.00	134.54	3.79	92.99	0.58	17.64	N/A	N/A	N/A	N/A
478	4.78	2.16	44.20	4.00	1.25E-007	3.69E-004	9.00	29.09	0.00	0.00	0.00	46.58	15.00	138.53	1.73	0.30	7.54	160.94	0.00	1.00	3.29	0.00	138.53	3.64	91.42	0.58	17.64	N/A	N/A	N/A	N/A
479	4.79	2.19	43.70	4.00	1.34E-007	4.04E-004	9.00	29.51	0.00	0.00	0.00	46.59	15.00	140.52	1.75	0.30	7.63	161.00	0.00	1.00	3.38	0.00	140.52	3.55	90.23	0.58	17.63	N/A	N/A	N/A	N/A
480	4.80	2.22	43.26	4.00	1.44E-007	4.40E-004	9.00	29.93	0.00	0.00	0.00	46.63	15.00	142.50	1.77	0.30	7.72	161.10	0.00	1.00	3.46	0.00	142.50	3.47	89.14	0.58	17.63	N/A	N/A	N/A	N/A
481	4.81	2.26	42.22	4.00	1.62E-007	5.02E-004	9.00	30.48	0.00	0.00	0.00	46.47	15.00	145.16	1.80	0.30	7.83	160.92	0.00	1.00	3.61	0.00	145.16	3.34	87.15	0.58	17.61	N/A	N/A	N/A	N/A
482	4.82	2.27	42.28	4.00	1.63E-007	5.10E-004	9.00	30.62	0.00	0.00	0.00	46.59	15.00	145.82	1.80	0.30	7.85	161.11	0.00	1.00	3.62	0.00	145.82	3.32	87.03	0.58	17.61	N/A	N/A	N/A	N/A
483	4.83	2.26	43.29	4.00	1.53E-007	4.76E-004	9.00	30.48	0.00	0.00	0.00	46.99	15.00	145.14	1.79	0.30	7.81	161.68	0.00	1.00	3.52	0.00	145.14	3.40	88.41	0.58	17.63	N/A	N/A	N/A	N/A
484	4.84	2.22	47.45	4.00	1.20E-007	3.66E-004	9.00	29.92	0.00	0.00	0.00	48.47	15.00	142.46	1.75	0.30	7.67	163.76	0.00	1.00	3.15	0.00	142.46	3.68	94.13	0.58	17.73	N/A	N/A	N/A	N/A
485	4.85	2.23	51.43	4.00	1.05E-007	3.23E-004	9.00	30.05	0.00	0.00	0.00	50.13	15.00	143.11	1.76	0.30	7.70	166.08	0.00	1.00	2.92	0.00	143.11	3.84	98.66	0.58	17.83	N/A	N/A	N/A	N/A
486	4.86	2.30	58.99	4.00	9.32E-008	2.95E-004	9.00	31.03	0.00	0.00	0.00	53.42	15.00	147.77	1.81	0.30	7.95	170.65	0.00	1.00	2.63	0.00	147.77	4.00	105.99	0.58	18.00	N/A	N/A	N/A	N/A
487	4.87	2.34	62.43	4.00	8.99E-008	2.89E-004	9.00	31.59	0.00	0.00	0.00	54.96	15.00	150.42	1.84	0.30	8.08	172.73	0.00	1.00	2.53	0.00	150.42	4.05	109.00	0.58	18.07	N/A	N/A	N/A	N/A
488	4.88	2.40	66.56	4.00	8.85E-008	2.92E-004	10.00	32.43	0.00	0.00	0.00	56.84	15.00	154.41	1.88	0.30	8.28	175.26	0.00	1.00	2.44	0.00	154.41	4.07	112.26	0.58	18.15	N/A	N/A	N/A	N/A
489	4.89	2.46	70.94	4.00	8.68E-008	2.94E-004	10.00	33.26	0.00	0.00	0.00	58.77	15.00	158.40	1.93	0.30	8.48	177.81	0.00	1.00	2.34	0.00	158.40	4.09	115.67	0.58	18.24	N/A	N/A	N/A	N/A
490	4.90	2.52	77.69	4.00	8.06E-008	2.80E-004	10.00	34.10	0.00	0.00	0.00	61.45	15.00	162.39	1.97	0.30	8.68	181.26	0.00	1.00	2.19	0.00	162.39	4.19	121.36	0.58	18.35	N/A	N/A	N/A	N/A
491	4.91	2.50	79.61	4.00	7.39E-008	2.55E-004	10.00	33.82	0.00	0.00	0.00	61.99	15.00	161.04	1.95	0.30	8.60	181.93	0.00	1.00	2.12	0.00	161.04	4.31	123.64	0.58	18.37	N/A	N/A	N/A	N/A
492	4.92	2.50	79.61	4.00	7.35E-008	2.53E-004	10.00	33.82	0.00	0.00	0.00	62.04	15.00	161.03	1.95	0.30	8.59	182.00	0.00	1.00	2.12	0.00	161.03	4.32	123.58	0.58	18.37	N/A	N/A	N/A	N/A
493	4.93	2.50	79.61	4.00	7.32E-008	2.52E-004	10.00	33.81	0.00	0.00	0.00	62.09	15.00	161.02	1.94	0.30	8.57	182.07	0.00	1.00	2.12	0.00	161.02	4.32	123.52	0.58	18.37	N/A	N/A	N/A	N/A
494	4.94	2.38	71.26	4.00	7.28E-008	2.39E-004	10.00	32.13	0.00	0.00	0.00	58.58	15.00	153.00	1.84	0.30	8.13	177.56	0.00	1.00	2.25	0.00	153.00	4.33	117.33	0.58	18.23	N/A	N/A	N/A	N/A
495	4.95	2.33	70.12	4.00	6.82E-008	2.18E-004	10.00	31.43	0.00	0.00	0.00	57.90	15.00	149.66	1.80	0.30	7.94	176.66	0.00	1.00	2.24	0.00	149.66	4.42	117.08	0.58	18.20	N/A	N/A	N/A	N/A
496	4.96	2.30	69.37	4.00	6.55E-008	2.07E-004	10.00	31.01	0.00	0.00	0.00	57.49	15.00	147.64	1.77	0.30	7.82	176.11	0.00	1.00	2.23	0.00	147.64	4.48	116.84	0.58	18.18	N/A	N/A	N/A	N/A
497	4.97	2.26	68.64	4.00	6.16E-008	1.91E-004	9.00	30.44	0.00	0.00	0.00	57.01	15.00	144.97	1.73	0.30	7.67	175.47	0.00	1.00	2.22	0.00	144.97	4.57	116.83	0.58	18.16	N/A	N/A	N/A	N/A
498	4.98	2.25	68.01	4.00	6.12E-008	1.89E-004	9.00	30.30	0.00	0.00	0.00	56.78	15.00	144.29	1.72	0.30	7.62	175.16	0.00	1.00	2.23	0.00	144.29	4.58	116.30	0.58	18.15	N/A	N/A	N/A	N/A
499	4.99	2.24	65.68	4.00	6.38E-008	1.96E-004	9.00	30.16	0.00	0.00	0.00	55.95	15.00	143.61	1.71	0.30	7.56	174.09	0.00	1.00	2.30	0.00	143.61	4.52	113.95	0.58	18.11	N/A	N/A	N/A	N/A
500	5.00	2.25	64.13	4.00	6.77E-008	2.09E-004	9.00	30.30	0.00	0.00	0.00	55.53	15.00	144.26	1.71	0.30	7.58	173.55	0.00	1.00	2.36	0.00	144.26	4.43	112.02	0.58	18.08	N/A	N/A	N/A	N/A
501	5.01	2.26	62.49	4.00	7.21E-008	2.24E-004	9.00	30.43	0.00	0.00	0.00	55.06	15.00	144.92	1.72	0.30	7.59	172.95	0.00	1.00	2.44	0.00	144.92	4.35	109.98	0.58	18.06	N/A	N/A	N/A	N/A
502	5.02	2.28	61.58	4.00	7.67E-008	2.40E-004	9.00	30.71	0.00	0.00	0.00	54.91	15.00	146.24	1.73	0.30	7.64	172.79	0.00	1.00	2.49	0.00	146.24	4.26	108.55	0.58	18.04	N/A	N/A	N/A	N/A
503	5.03	2.31	62.78	4.00	7.79E-008	2.47E-004	9.00	31.13	0.00	0.00	0.00	55.58	15.00	148.23	1.75	0.30	7.73	173.71	0.00	1.00	2.48	0.00	148.23	4.24	109.24	0.58	18.07	N/A	N/A	N/A	N/A
504	5.04	2.33	64.51	4.00	7.65E-008	2.45E-004	10.00	31.41	0.00	0.00	0.00	56.37	15.00	149.55	1.76	0.30	7.79	174.77	0.00	1.00	2.43	0.00	149.55	4.26	110.67	0.58	18.11	N/A	N/A	N/A	N/A
505	5.05	2.34	66.65	4.00	7.29E-008	2.34E-004	10.00	31.54	0.00	0.00	0.00	57.23	15.00	150.21	1.76	0.30	7.81	175.91	0.00	1.00	2.37	0.00	150.21	4.33	112.71	0.58	18.14	N/A	N/A	N/A	N/A
506	5.06	2.33	69.21	4.00	6.63E-008	2.12E-004	10.00	31.40	0.00	0.00	0.00	58.09	15.00	149.53	1.75	0.30	7.77	177.02	0.00	1.00	2.27	0.00	149.53	4.46	115.56	0.58	18.19	N/A	N/A	N/A	N/A
507	5.07	2.32	69.71	4.00	6.39E-008	2.04E-004	10.00	31.26	0.00	0.00	0.00	58.24	15.00	148.85	1.74	0.30	7.72	177.21	0.00	1.00	2.24	0.00	148.85	4.52	116.23	0.58	18.19	N/A	N/A	N/A	N/A
508	5.08	2.30	70.69	4.00	5.96E-008	1.88E-004	10.00	30.98	0.00	0.00	0.00	58.48	15.00	147.50	1.72	0.30	7.64	177.52	0.00	1.00	2.19	0.00	147.50	4.62	117.60	0.58	18.21	N/A	N/A	N/A	N/A
509	5.09	2.30	70.75	4.00	5.93E-008	1.87E-004	10.00	30.97	0.00	0.00	0.00	58.55	15.00	147.49	1.72	0.30	7.62	177.61	0.00	1.00	2.19	0.00	147.49	4.63	117.60	0.58	18.21	N/A	N/A	N/A	N/A
510	5.10	2.32	69.62	4.00	6.32E-008	2.01E-004	10.00	31.25	0.00	0.00	0.00	58.34	15.00	148.81	1.73	0.30	7.67	177.38	0.00	1.00	2.24	0.00	148.81	4.53	115.98	0.58	18.19	N/A	N/A	N/A	N/A
511	5.11	2.32	68.96	4.00	6.40E-008	2.04E-004	10.00	31.25	0.00	0.00	0.00	58.16	15.00	148.80	1.73	0.30	7.66	177.16	0.00	1.00	2.27	0.00	148.80	4.51	115.24	0.58	18.18	N/A	N/A	N/A	N/A
512	5.12	2.31	68.17	4.00	6.39E-008	2.03E-004	10.00	31.11	0.00	0.00	0.00	57.87	15.00	148.12	1.71	0.30	7.61	176.78	0.00	1.00	2.28	0.00	148.12	4.52	114.56	0.58	18.17	N/A	N/A	N/A	N/A
513	5.13	2.31	65.30	4.00	6.90E-008	2.19E-004	10.00	31.10	0.00	0.00	0.00	56.91	15.00	148.11	1.71	0.30	7.59	175.55	0.00	1.00	2.38	0.00	148.11	4.41	111.48	0.58	18.12	N/A	N/A	N/A	N/A
514	5.14	2.31	63.47	4.00	7.24E-008	2.30E-004	10.00	31.10	0.00	0.00	0.00	56.31	15.00	148.10	1.71	0.30	7.57	174.77	0.00	1.00	2.45	0.00	148.10	4.34	109.49	0.58	18.08	N/A	N/A	N/A	N/A
515	5.15	2.30	61.64	4.00	7.47E-008	2.36E-004	9.00	30.96	0.00	0.00	0.00	55.62	15.00	147.42	1.70	0.30	7.52	173.88	0.00	1.00	2.51	0.00	147.42	4.30	107.66	0.58	18.05	N/A	N/A	N/A	N/A
516	5.16	2.31	59.06	4.00	8.21E-008	2.60E-004	9.00	31.10	0.00	0.00	0.00	54.78	15.00	148.07	1.70	0.30	7.53	172.79	0.00	1.00	2.63	0.00	148.07	4.17	104.63	0.58	18.00	N/A	N/A	N/A	N/A
517	5.17	2.32	52.53	4.00	1.03E-007	3.29E-004	9.00	31.23	0.00	0.00	0.00	52.40	15.00	148.73	1.70	0.30	7.54	169.62	0.00	1.00	2.97	0.00	148.73	3.87	97.18	0.58	17.87	N/A	N/A	N/A	N/A
518	5.18	2.32	49.53	4.00	1.14E-007	3.64E-004	9.00	31.23	0.00	0.00	0.00	51.24	15.00	148.72	1.70	0.30	7.52	168.06	0.00	1.00	3.15	0.00	148.72	3.74	93.74	0.58	17.80	N/A	N/A	N/A	N/A
519	5.19	2.36	44.11	4.00	1.51E-007	4.88E-004	9.00	31.79	0.00	0.00	0.00	49.27	15.00	151.37	1.73	0.30	7.62	165.37	0.00	1.00	3.60	0.00	151.37	3.42	86.79	0.58	17.67	N/A	N/A	N/A	N/A
520	5.20	2.37	41.97	4.00	1.67E-007	5.42E-004	9.00	31.93	0.00	0.00	0.00	48.43	15.00	152.03	1.73	0.30	7.64	164.22	0.00	1.00	3.80	0.00	152.03	3.30	84.10	0.58	17.62	N/A	N/A	N/A	N/A
521	5.21	2.41	39.76	4.00	1.96E-007	6.48E-004	9.00	32.48	0.00	0.00	0.00	47.71	15.00	154.68	1.76	0.30	7.75	163.25	0.00	1.00	4.08	0.00	154.68	3.13	80.89	0.58	17.56	N/A	N/A	N/A	N/A
522	5.22	2.45	39.13	5.00	2.15E-007	7.25E-004	9.00	33.04	27.00	33.23	40.50	47.67	0.00	0.00	0.00	0.30	0.00	163.25	-0.07	0.00	0.00	0.00	57.78	3.04	79.58	0.56	17.55	N/A	N/A	N/A	N/A
523	5.23	2.48	39.03	5.00	2.27E-007	7.73E-004	9.00	33.46	28.00	33.18	40.63	47.83	0.00	0.00	0.00	0.30	0.00	163.50	-0.07	0.00	0.00	0.00	57.79	2.98	79.04	0.54	17.55	N/A	N/A	N/A	N/A
524	5.24	2.55	38.78	5.00	2.57E-007	9.03E-004	9.00	34.44	28.00	33.08	40.87	48.12	0.00	0.00	0.00	0.30	0.00	163.98	-0.06	0.00	0.00	0.00	57.67	2.86	77.83	0.49	17.55	N/A	N/A	N/A	N/A
525	5.25	2.60	38.66	5.00	2.80E-007	1.00E-003	9.00	35.13	28.00	33.01	41.06	48.36	0.00	0.00	0.00	0.30	0.00	164.37	-0.06	0.00	0.00	0.00	57.64	2.79	77.06	0.46	17.56	N/A	N/A	N/A	N/A
526	5.26	2.63	38.18	5.00	2.99E-007	1.08E-003	10.00	35.55	28.00	32.93	41.06	48.32	0.00	0.00	0.00	0.30	0.00	164.36	-0.06	0.00	0.00	0.00	57.57	2.73	76.15	0.42	17.55	N/A	N/A	N/A	N/A
527	5.27	2.70	38.59	5.00	3.28E-007	1.22E-003	10.00	36.53	29.00	32.89	41.50	48.90	0.00	0.00	0.00	0.30	0.00	165.24	-0.06	0.00	0.00	0.00	57.61	2.65	75.80	0.41	17.57	N/A	N/A	N/A	N/A
528	5.28	2.72	38.47	5.00	3.39E-007	1.27E-003	10.00	36.81	29.00	32.86	41.57	48.98	0.00	0.00	0.00	0.30	0.00	165.38	-0.06	0.00	0.00	0.00	57.65	2.62	75.43	0.40	17.57	N/A	N/A	N/A	N/A

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
529	5.29	2.73	38.47	5.00	3.42E-007	1.29E-003	10.00	36.94	29.00	32.85	41.64	49.07	0.00	0.00	0.00	0.30	0.00	165.51	-0.06	0.00	0.00	0.00	57.74	2.61	75.30	0.39	17.57	N/A	N/A	N/A	N/A
530	5.30	2.74	38.06	5.00	3.53E-007	1.33E-003	10.00	37.08	29.00	32.80	41.57	48.96	0.00	0.00	0.00	0.30	0.00	165.38	-0.06	0.00	0.00	0.00	57.74	2.58	74.73	0.38	17.56	N/A	N/A	N/A	N/A
531	5.31	2.73	37.71	5.00	3.51E-007	1.32E-003	10.00	36.94	29.00	32.77	41.44	48.77	0.00	0.00	0.00	0.30	0.00	165.12	-0.06	0.00	0.00	0.00	57.79	2.59	74.43	0.37	17.55	N/A	N/A	N/A	N/A
532	5.32	2.73	37.46	5.00	3.54E-007	1.33E-003	10.00	36.94	29.00	32.74	41.38	48.69	0.00	0.00	0.00	0.30	0.00	165.01	-0.06	0.00	0.00	0.00	57.84	2.58	74.13	0.36	17.54	N/A	N/A	N/A	N/A
533	5.33	2.70	36.76	5.00	3.47E-007	1.29E-003	10.00	36.51	28.00	32.70	41.06	48.23	0.00	0.00	0.00	0.30	0.00	164.36	-0.06	0.00	0.00	0.00	57.85	2.60	73.65	0.34	17.51	N/A	N/A	N/A	N/A
534	5.34	2.68	36.20	5.00	3.43E-007	1.27E-003	10.00	36.23	28.00	32.66	40.82	47.89	0.00	0.00	0.00	0.30	0.00	163.88	-0.06	0.00	0.00	0.00	57.88	2.61	73.22	0.33	17.49	N/A	N/A	N/A	N/A
535	5.35	2.65	35.44	5.00	3.37E-007	1.23E-003	10.00	35.81	28.00	32.60	40.47	47.40	0.00	0.00	0.00	0.30	0.00	163.18	-0.05	0.00	0.00	0.00	57.87	2.62	72.66	0.32	17.47	N/A	N/A	N/A	N/A
536	5.36	2.65	35.12	5.00	3.41E-007	1.24E-003	10.00	35.81	28.00	32.57	40.39	47.28	0.00	0.00	0.00	0.30	0.00	163.01	-0.05	0.00	0.00	0.00	57.90	2.61	72.28	0.31	17.46	N/A	N/A	N/A	N/A
537	5.37	2.64	34.84	5.00	3.39E-007	1.23E-003	9.00	35.66	28.00	32.54	40.28	47.12	0.00	0.00	0.00	0.30	0.00	162.79	-0.05	0.00	0.00	0.00	57.96	2.62	72.05	0.30	17.44	N/A	N/A	N/A	N/A
538	5.38	2.64	34.49	5.00	3.43E-007	1.25E-003	9.00	35.66	28.00	32.51	40.18	46.98	0.00	0.00	0.00	0.30	0.00	162.60	-0.05	0.00	0.00	0.00	57.99	2.61	71.63	0.29	17.43	N/A	N/A	N/A	N/A
539	5.39	2.64	34.08	5.00	3.48E-007	1.27E-003	9.00	35.66	28.00	32.46	40.07	46.81	0.00	0.00	0.00	0.30	0.00	162.36	-0.05	0.00	0.00	0.00	57.99	2.59	71.15	0.28	17.42	N/A	N/A	N/A	N/A
540	5.40	2.62	33.83	5.00	3.40E-007	1.23E-003	9.00	35.38	28.00	32.45	39.93	46.62	0.00	0.00	0.00	0.30	0.00	162.08	-0.05	0.00	0.00	0.00	58.08	2.62	71.05	0.28	17.41	N/A	N/A	N/A	N/A
541	5.41	2.62	34.02	5.00	3.35E-007	1.21E-003	9.00	35.38	28.00	32.47	40.02	46.74	0.00	0.00	0.00	0.30	0.00	162.27	-0.05	0.00	0.00	0.00	58.24	2.63	71.25	0.28	17.41	N/A	N/A	N/A	N/A
542	5.42	2.62	33.55	5.00	3.42E-007	1.23E-003	9.00	35.37	28.00	32.41	39.88	46.54	0.00	0.00	0.00	0.30	0.00	161.99	-0.05	0.00	0.00	0.00	58.23	2.61	70.70	0.27	17.40	N/A	N/A	N/A	N/A
543	5.43	2.63	33.45	5.00	3.47E-007	1.26E-003	9.00	35.51	28.00	32.39	39.92	46.57	0.00	0.00	0.00	0.30	0.00	162.06	-0.05	0.00	0.00	0.00	58.29	2.60	70.46	0.26	17.40	N/A	N/A	N/A	N/A
544	5.44	2.64	33.67	5.00	3.48E-007	1.26E-003	9.00	35.65	28.00	32.40	40.06	46.76	0.00	0.00	0.00	0.30	0.00	162.35	-0.05	0.00	0.00	0.00	58.43	2.60	70.59	0.27	17.41	N/A	N/A	N/A	N/A
545	5.45	2.66	33.99	5.00	3.52E-007	1.29E-003	10.00	35.93	28.00	32.42	40.28	47.06	0.00	0.00	0.00	0.30	0.00	162.79	-0.05	0.00	0.00	0.00	58.57	2.58	70.74	0.27	17.42	N/A	N/A	N/A	N/A
546	5.46	2.68	34.34	5.00	3.56E-007	1.32E-003	10.00	36.20	28.00	32.44	40.51	47.36	0.00	0.00	0.00	0.30	0.00	163.26	-0.05	0.00	0.00	0.00	58.72	2.58	70.91	0.27	17.43	N/A	N/A	N/A	N/A
547	5.47	2.70	34.71	5.00	3.60E-007	1.34E-003	10.00	36.48	28.00	32.45	40.74	47.68	0.00	0.00	0.00	0.30	0.00	163.73	-0.05	0.00	0.00	0.00	58.87	2.57	71.11	0.28	17.45	N/A	N/A	N/A	N/A
548	5.48	2.71	34.94	5.00	3.60E-007	1.35E-003	10.00	36.62	28.00	32.47	40.89	47.88	0.00	0.00	0.00	0.30	0.00	164.03	-0.05	0.00	0.00	0.00	59.01	2.57	71.25	0.28	17.46	N/A	N/A	N/A	N/A
549	5.49	2.72	35.12	5.00	3.61E-007	1.35E-003	10.00	36.76	28.00	32.48	41.02	48.05	0.00	0.00	0.00	0.30	0.00	164.29	-0.05	0.00	0.00	0.00	59.14	2.56	71.33	0.28	17.47	N/A	N/A	N/A	N/A
550	5.50	2.73	35.88	5.00	3.53E-007	1.33E-003	10.00	36.89	28.00	32.55	41.35	48.51	0.00	0.00	0.00	0.30	0.00	164.95	-0.05	0.00	0.00	0.00	59.41	2.58	72.05	0.30	17.49	N/A	N/A	N/A	N/A
551	5.51	2.73	36.16	5.00	3.47E-007	1.30E-003	10.00	36.89	28.00	32.57	41.48	48.68	0.00	0.00	0.00	0.30	0.00	165.20	-0.05	0.00	0.00	0.00	59.59	2.60	72.34	0.31	17.50	N/A	N/A	N/A	N/A
552	5.52	2.73	36.45	5.00	3.41E-007	1.28E-003	10.00	36.89	28.00	32.60	41.61	48.86	0.00	0.00	0.00	0.30	0.00	165.46	-0.05	0.00	0.00	0.00	59.76	2.61	72.64	0.32	17.51	N/A	N/A	N/A	N/A
553	5.53	2.72	36.76	5.00	3.29E-007	1.23E-003	10.00	36.75	28.00	32.64	41.70	49.00	0.00	0.00	0.00	0.30	0.00	165.65	-0.06	0.00	0.00	0.00	59.97	2.64	73.06	0.33	17.52	N/A	N/A	N/A	N/A
554	5.54	2.71	36.86	5.00	3.21E-007	1.20E-003	10.00	36.60	28.00	32.66	41.73	49.03	0.00	0.00	0.00	0.30	0.00	165.70	-0.06	0.00	0.00	0.00	60.12	2.66	73.26	0.33	17.52	N/A	N/A	N/A	N/A
555	5.55	2.70	36.70	5.00	3.17E-007	1.18E-003	10.00	36.46	28.00	32.65	41.66	48.94	0.00	0.00	0.00	0.30	0.00	165.57	-0.06	0.00	0.00	0.00	60.21	2.67	73.17	0.33	17.51	N/A	N/A	N/A	N/A
556	5.56	2.69	36.67	5.00	3.11E-007	1.15E-003	10.00	36.32	28.00	32.66	41.64	48.90	0.00	0.00	0.00	0.30	0.00	165.52	-0.06	0.00	0.00	0.00	60.34	2.69	73.22	0.33	17.51	N/A	N/A	N/A	N/A
557	5.57	2.68	36.51	5.00	3.07E-007	1.13E-003	10.00	36.18	28.00	32.65	41.58	48.81	0.00	0.00	0.00	0.30	0.00	165.39	-0.06	0.00	0.00	0.00	60.43	2.70	73.13	0.33	17.50	N/A	N/A	N/A	N/A
558	5.58	2.69	36.29	5.00	3.14E-007	1.16E-003	10.00	36.31	28.00	32.61	41.57	48.78	0.00	0.00	0.00	0.30	0.00	165.37	-0.05	0.00	0.00	0.00	60.46	2.68	72.76	0.32	17.50	N/A	N/A	N/A	N/A
559	5.59	2.70	36.29	5.00	3.18E-007	1.18E-003	10.00	36.45	28.00	32.60	41.63	48.87	0.00	0.00	0.00	0.30	0.00	165.51	-0.05	0.00	0.00	0.00	60.55	2.67	72.64	0.32	17.50	N/A	N/A	N/A	N/A
560	5.60	2.70	36.54	5.00	3.13E-007	1.16E-003	10.00	36.45	28.00	32.63	41.75	49.02	0.00	0.00	0.00	0.30	0.00	165.74	-0.05	0.00	0.00	0.00	60.72	2.69	72.90	0.32	17.51	N/A	N/A	N/A	N/A
561	5.61	2.70	36.64	5.00	3.10E-007	1.15E-003	10.00	36.45	28.00	32.63	41.81	49.11	0.00	0.00	0.00	0.30	0.00	165.86	-0.05	0.00	0.00	0.00	60.85	2.69	72.99	0.33	17.51	N/A	N/A	N/A	N/A
562	5.62	2.70	36.67	5.00	3.09E-007	1.15E-003	10.00	36.45	28.00	32.64	41.85	49.15	0.00	0.00	0.00	0.30	0.00	165.94	-0.05	0.00	0.00	0.00	60.96	2.70	73.01	0.33	17.51	N/A	N/A	N/A	N/A
563	5.63	2.71	36.98	5.00	3.08E-007	1.15E-003	10.00	36.58	28.00	32.66	42.03	49.39	0.00	0.00	0.00	0.30	0.00	166.28	-0.06	0.00	0.00	0.00	61.12	2.70	73.22	0.33	17.52	N/A	N/A	N/A	N/A
564	5.64	2.72	37.14	5.00	3.10E-007	1.16E-003	10.00	36.72	28.00	32.66	42.15	49.55	0.00	0.00	0.00	0.30	0.00	166.53	-0.06	0.00	0.00	0.00	61.25	2.70	73.28	0.33	17.53	N/A	N/A	N/A	N/A
565	5.65	2.72	37.55	5.00	3.03E-007	1.13E-003	10.00	36.72	28.00	32.70	42.32	49.79	0.00	0.00	0.00	0.30	0.00	166.86	-0.06	0.00	0.00	0.00	61.45	2.72	73.70	0.35	17.54	N/A	N/A	N/A	N/A
566	5.66	2.73	38.59	5.00	2.92E-007	1.10E-003	10.00	36.86	28.00	32.79	42.74	50.38	0.00	0.00	0.00	0.30	0.00	167.70	-0.06	0.00	0.00	0.00	61.79	2.75	74.71	0.38	17.57	N/A	N/A	N/A	N/A
567	5.67	2.72	39.00	5.00	2.81E-007	1.05E-003	10.00	36.71	28.00	32.84	42.87	50.56	0.00	0.00	0.00	0.30	0.00	167.95	-0.06	0.00	0.00	0.00	62.02	2.78	75.24	0.39	17.59	N/A	N/A	N/A	N/A
568	5.68	2.70	39.35	5.00	2.67E-007	9.93E-004	10.00	36.43	28.00	32.90	42.94	50.67	0.00	0.00	0.00	0.30	0.00	168.08	-0.06	0.00	0.00	0.00	62.26	2.83	75.83	0.41	17.59	N/A	N/A	N/A	N/A
569	5.69	2.63	39.79	5.00	2.33E-007	8.42E-004	10.00	35.45	27.00	33.01	42.83	50.55	0.00	0.00	0.00	0.30	0.00	167.88	-0.06	0.00	0.00	0.00	62.65	2.96	77.10	0.46	17.60	N/A	N/A	N/A	N/A
570	5.70	2.58	40.01	5.00	2.11E-007	7.49E-004	10.00	34.75	27.00	33.09	42.73	50.43	0.00	0.00	0.00	0.30	0.00	167.68	-0.06	0.00	0.00	0.00	62.94	3.05	77.94	0.49	17.59	N/A	N/A	N/A	N/A
571	5.71	2.51	40.26	4.00	1.85E-007	6.36E-004	10.00	33.76	0.00	0.00	0.00	50.20	15.00	160.78	1.66	0.30	7.43	167.32	0.00	1.00	4.19	0.00	160.78	3.19	79.09	0.54	17.59	N/A	N/A	N/A	N/A
572	5.72	2.40	40.80	4.00	1.48E-007	4.85E-004	9.00	32.22	0.00	0.00	0.00	49.88	15.00	153.43	1.58	0.30	7.08	166.79	0.00	1.00	3.95	0.00	153.43	3.44	81.17	0.58	17.59	N/A	N/A	N/A	N/A
573	5.73	2.35	41.40	4.00	1.31E-007	4.20E-004	9.00	31.52	0.00	0.00	0.00	49.91	15.00	150.09	1.55	0.30	6.92	166.80	0.00	1.00	3.81	0.00	150.09	3.58	82.55	0.58	17.60	N/A	N/A	N/A	N/A
574	5.74	2.27	42.98	4.00	1.05E-007	3.24E-004	9.00	30.40	0.00	0.00	0.00	50.19	15.00	144.74	1.49	0.30	6.66	167.13	0.00	1.00	3.54	0.00	144.74	3.85	85.54	0.58	17.63	N/A	N/A	N/A	N/A
575	5.75	2.23	43.89	4.00	9.28E-008	2.82E-004	9.00	29.83	0.00	0.00	0.00	50.39	15.00	142.07	1.46	0.30	6.53	167.38	0.00	1.00	3.40	0.00	142.07	4.00	87.19	0.58	17.65	N/A	N/A	N/A	N/A
576	5.76	2.17	45.50	4.00	7.69E-008	2.27E-004	9.00	28.99	0.00	0.00	0.00	50.76	15.00	138.05	1.41	0.30	6.34	167.84	0.00	1.00	3.19	0.00	138.05	4.26	89.97	0.58	17.68	N/A	N/A	N/A	N/A
577	5.77	2.15	46.38	4.00	7.10E-008	2.08E-004	9.00	28.71	0.00	0.00	0.00	51.05	15.00	136.71	1.40	0.30	6.27	168.23	0.00	1.00	3.09	0.00	136.71	4.37	91.27	0.58	17.69	N/A	N/A	N/A	N/A
578	5.78	2.14	47.58	4.00	6.61E-008	1.93E-004	9.00	28.57	0.00	0.00	0.00	51.53	15.00	136.03	1.39	0.30	6.23	168.89	0.00	1.00	3.00	0.00	136.03	4.47	92.77	0.58	17.72	N/A	N/A	N/A	N/A
579	5.79	2.15	51.80	4.00	5.76E-008	1.69E-004	9.00	28.70	0.00	0.00	0.00	53.38	15.00	136.69	1.39	0.30	6.25	171.41	0.00	1.00	2.77	0.00	136.69	4.67	97.26	0.58	17.82	N/A	N/A	N/A	N/A
580	5.80	2.15	53.66	4.00	5.38E-008	1.57E-004	9.00	28.70	0.00	0.00	0.00	54.17	15.00	136.68	1.39	0.30	6.24	172.48	0.00	1.00	2.67	0.00	136.68	4.77	99.25	0.58	17.86	N/A	N/A	N/A	N/A
581	5.81	2.18	55.90	4.00	5.28E-008	1.57E-004	9.00	29.12	0.00	0.00	0.00	55.30	15.00	138.66	1.41	0.30	6.32	174.01	0.00	1.00	2.60	0.00	138.66	4.80	101.10	0.58	17.91	N/A	N/A	N/A	N/A
582	5.82	2.25	61.14	4.00	5.13E-008	1.57E-004	10.00	30.10	0.00	0.00	0.00	57.84	15.00	143.32	1.45	0.30	6.52	177.39	0.00	1.00	2.46	0.00	143.32	4.85	105.32	0.58	18.03	N/A	N/A	N/A	N/A
583	5.83	2.27	63.50	4.00	4.94E-008	1.53E-004	10.00	30.37	0.00	0.00	0.00	58.90	15.00	144.64	1.46	0.30	6.57	178.79	0.00	1.00	2.39	0.00	144.64	4.90	107.33	0.58	18.08	N/A	N/A	N/A	N/A
584	5.84	2.32	65.42	4.00	5.13E-008	1.62E-004	10.00	31.07	0.00	0.00	0.00	60.00	15.00	147.96	1.49	0.30	6.71	180.24	0.00	1.00	2.37	0.00	147.96	4.84	108.35	0.58	18.12	N/A	N/A	N/A	N/A
585	5.85	2.36	65.55	4.00	5.49E-008	1.77E-004	10.00	31.63	0.00	0.00	0.00	60.36	15.00	150.62	1.52	0.30	6.82	180.73	0.00	1.00	2.41	0.00	150.62	4.74	107.75	0.58	18.13	N/A	N/A	N/A	N/A
586	5.86	2.44	63.78	4.00	6.67E-008	2.23E-004	10.00	32.75	0.00	0.00	0.00	60.26	15.00	155.94	1.57	0.30	7.05	180.67	0.00	1.00	2.57	0.00	155.94	4.45	104.61	0.58	18.11	N/A	N/A	N/A	N/A
587	5.87	2.48	62.40	4.00	7.44E-008	2.53E-004	10.00	33.31	0.00	0.00	0.00	60.03	15.00	158.60	1.59	0.30	7.15	180.42	0.00	1.00	2.67	0.00	158.60	4.30	102.55	0.58	18.09	N/A	N/A	N/A	N/A
588	5.88	2.54	61.36	4.00	8.50E-008	2.96E-004	10.00	34.14	0.00	0.00	0.00	60.04	15.00	162.58	1.63	0.30	7.32	180.49	0.00	1.00	2.78	0.00	162.58	4.12	100.52	0.58	18.08	N/A	N/A	N/A	N/A
589	5.89	2.68	60.10	4.00	1.12E-007	4.11E-004	11.00	36.10	0.00	0.00	0.00	60.42	15.00	171.91	1.72	0.30	7.72	181.08	0.00	1.00	3.00	0.00	171.91	3.77	97.08	0.58	18.08	N/A	N/A	N/A	N/A
590	5.90	2.79	59.40	4.00	1.36E-007	5.21E-004	11.00	37.64	0.00	0.00	0.00	60.81	15.00	179.23	1.79	0.30	8.04	181.65	0.00	1.00	3.17	0.00	179.23	3.54	94.76	0.58	18.08	N/A	N/A	N/A	N/A
591	5.91	2.91	58.52	4.00	1.67E-007	6.70E-004	11.00	39.32	0.00	0.00	0.00	61.16	15.00	187.22	1.87	0.30	8.38	182.18	0.00	1.00	3.36	0.00	187.22	3.30	92.23	0.58	18.08	N/A	N/A	N/A	N/A
592	5.92	2.91	58.52	4.00	1.67E-007	6.68E-004	11.00	39.31	0.00	0.00	0.00	61.20	15.00	187.20	1.86	0.30	8.37	182.24	0.00	1.00	3.36	0.00	187.20	3.30	92.20	0.58	18.08	N/A	N/A	N/A	N/A
593	5.93	2.91	58.52	4.00	1.66E-007	6.65E-004	11.00	39.31	0.00	0.00	0.00	61.24	15.00	187.19	1.86	0.30	8.36	182.30	0.00	1.00	3.36	0.00	187.19	3.31	92.17	0.58	18.08	N/A	N/A	N/A	N/A
594	5.94	3.66	45.50	5.00	7.07E-007	3.59E-003	12.00	49.81	32.00	32.67	49.24	59.03	0.00	0.00	0.00	0.30	0.00	179.99	-0.06	0.00	0.00	0.00	64.69	2.08	73.34	0.34	17.88	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data								Estimations																			
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
595	5.95	3.73	44.77	5.00	7.86E-007	4.07E-003	12.00	50.78	32.00	32.58	49.24	59.01	0.00	0.00	0.00	0.30	0.00	180.00	-0.05	0.00	0.00	0.00	64.58	2.02	72.39	0.31	17.87	N/A	N/A	N/A	N/A
596	5.96	3.80	44.74	5.00	8.50E-007	4.49E-003	13.00	51.76	32.00	32.54	49.49	59.32	0.00	0.00	0.00	0.30	0.00	180.44	-0.05	0.00	0.00	0.00	64.62	1.97	72.05	0.30	17.87	N/A	N/A	N/A	N/A
597	5.97	3.91	45.75	5.00	9.23E-007	5.01E-003	13.00	53.30	33.00	32.58	50.21	60.30	0.00	0.00	0.00	0.30	0.00	181.75	-0.05	0.00	0.00	0.00	64.82	1.93	72.40	0.31	17.91	N/A	N/A	N/A	N/A
598	5.98	3.93	47.11	5.00	8.94E-007	4.88E-003	13.00	53.58	33.00	32.67	50.76	61.09	0.00	0.00	0.00	0.30	0.00	182.75	-0.06	0.00	0.00	0.00	65.15	1.95	73.33	0.34	17.94	N/A	N/A	N/A	N/A
599	5.99	3.95	48.18	5.00	8.76E-007	4.81E-003	13.00	53.86	33.00	32.73	51.21	61.73	0.00	0.00	0.00	0.30	0.00	183.57	-0.06	0.00	0.00	0.00	65.43	1.96	74.03	0.36	17.97	N/A	N/A	N/A	N/A
600	6.00	3.98	49.25	5.00	8.68E-007	4.80E-003	13.00	54.27	33.00	32.79	51.70	62.41	0.00	0.00	0.00	0.30	0.00	184.43	-0.06	0.00	0.00	0.00	65.70	1.96	74.69	0.38	18.00	N/A	N/A	N/A	N/A
601	6.01	4.02	49.69	5.00	8.89E-007	4.97E-003	13.00	54.83	33.00	32.81	52.00	62.82	0.00	0.00	0.00	0.30	0.00	184.96	-0.06	0.00	0.00	0.00	65.85	1.95	74.84	0.38	18.01	N/A	N/A	N/A	N/A
602	6.02	4.04	50.29	5.00	8.86E-007	4.98E-003	13.00	55.11	33.00	32.84	52.29	63.23	0.00	0.00	0.00	0.30	0.00	185.48	-0.06	0.00	0.00	0.00	66.04	1.95	75.18	0.39	18.03	N/A	N/A	N/A	N/A
603	6.03	4.03	51.27	5.00	8.45E-007	4.73E-003	13.00	54.97	33.00	32.90	52.61	63.70	0.00	0.00	0.00	0.30	0.00	186.05	-0.06	0.00	0.00	0.00	66.33	1.98	75.91	0.42	18.05	N/A	N/A	N/A	N/A
604	6.04	4.02	51.90	5.00	8.15E-007	4.55E-003	13.00	54.82	33.00	32.95	52.82	63.99	0.00	0.00	0.00	0.30	0.00	186.42	-0.06	0.00	0.00	0.00	66.56	2.00	76.39	0.43	18.06	N/A	N/A	N/A	N/A
605	6.05	3.99	52.28	5.00	7.76E-007	4.30E-003	13.00	54.40	33.00	32.98	52.88	64.09	0.00	0.00	0.00	0.30	0.00	186.53	-0.06	0.00	0.00	0.00	66.76	2.03	76.78	0.45	18.07	N/A	N/A	N/A	N/A
606	6.06	3.96	52.62	5.00	7.39E-007	4.07E-003	13.00	53.98	33.00	33.01	52.93	64.16	0.00	0.00	0.00	0.30	0.00	186.61	-0.06	0.00	0.00	0.00	66.96	2.05	77.14	0.46	18.07	N/A	N/A	N/A	N/A
607	6.07	3.91	52.88	5.00	6.91E-007	3.75E-003	13.00	53.28	33.00	33.05	52.88	64.11	0.00	0.00	0.00	0.30	0.00	186.53	-0.06	0.00	0.00	0.00	67.18	2.10	77.56	0.48	18.08	N/A	N/A	N/A	N/A
608	6.08	3.81	52.91	5.00	6.14E-007	3.25E-003	13.00	51.87	32.00	33.10	52.60	63.73	0.00	0.00	0.00	0.30	0.00	186.04	-0.06	0.00	0.00	0.00	67.42	2.17	78.12	0.50	18.07	N/A	N/A	N/A	N/A
609	6.09	3.73	52.97	5.00	5.56E-007	2.88E-003	13.00	50.75	32.00	33.15	52.39	63.45	0.00	0.00	0.00	0.30	0.00	185.66	-0.07	0.00	0.00	0.00	67.66	2.24	78.64	0.52	18.06	N/A	N/A	N/A	N/A
610	6.10	3.60	52.37	5.00	4.84E-007	2.41E-003	13.00	48.93	31.00	33.18	51.79	62.64	0.00	0.00	0.00	0.30	0.00	184.60	-0.07	0.00	0.00	0.00	67.86	2.34	79.03	0.54	18.03	N/A	N/A	N/A	N/A
611	6.11	3.46	50.83	5.00	4.27E-007	2.05E-003	12.00	46.97	30.00	33.16	50.85	61.33	0.00	0.00	0.00	0.30	0.00	182.91	-0.07	0.00	0.00	0.00	67.92	2.43	78.78	0.53	17.98	N/A	N/A	N/A	N/A
612	6.12	3.39	50.35	5.00	3.96E-007	1.86E-003	12.00	45.98	30.00	33.17	50.48	60.82	0.00	0.00	0.00	0.30	0.00	182.25	-0.07	0.00	0.00	0.00	68.07	2.49	78.92	0.53	17.96	N/A	N/A	N/A	N/A
613	6.13	3.34	49.94	5.00	3.75E-007	1.73E-003	12.00	45.28	30.00	33.18	50.20	60.44	0.00	0.00	0.00	0.30	0.00	181.74	-0.07	0.00	0.00	0.00	68.20	2.53	78.96	0.54	17.95	N/A	N/A	N/A	N/A
614	6.14	3.29	50.01	5.00	3.49E-007	1.58E-003	12.00	44.58	30.00	33.22	50.08	60.27	0.00	0.00	0.00	0.30	0.00	181.52	-0.07	0.00	0.00	0.00	68.43	2.59	79.45	0.56	17.94	N/A	N/A	N/A	N/A
615	6.15	3.19	51.14	5.00	2.91E-007	1.28E-003	12.00	43.18	29.00	33.39	50.10	60.35	0.00	0.00	0.00	0.30	0.00	181.56	-0.07	0.00	0.00	0.00	68.99	2.75	81.43	0.66	17.96	N/A	N/A	N/A	N/A
616	6.16	3.16	51.96	5.00	2.71E-007	1.18E-003	12.00	42.75	29.00	33.47	50.28	60.61	0.00	0.00	0.00	0.30	0.00	181.89	-0.07	0.00	0.00	0.00	69.34	2.82	82.47	0.66	17.97	N/A	N/A	N/A	N/A
617	6.17	3.11	52.75	5.00	2.44E-007	1.05E-003	12.00	42.05	29.00	33.58	50.37	60.76	0.00	0.00	0.00	0.30	0.00	182.05	-0.07	0.00	0.00	0.00	69.73	2.91	83.72	0.66	17.98	N/A	N/A	N/A	N/A
618	6.18	3.09	53.10	5.00	2.34E-007	9.96E-004	11.00	41.77	29.00	33.62	50.43	60.85	0.00	0.00	0.00	0.30	0.00	182.16	-0.08	0.00	0.00	0.00	69.96	2.95	84.25	0.66	17.99	N/A	N/A	N/A	N/A
619	6.19	3.08	54.14	5.00	2.22E-007	9.41E-004	11.00	41.63	28.00	33.71	50.75	61.30	0.00	0.00	0.00	0.30	0.00	182.73	-0.08	0.00	0.00	0.00	70.31	3.01	85.31	0.67	18.01	N/A	N/A	N/A	N/A
620	6.20	3.07	56.03	4.00	2.05E-007	8.65E-004	12.00	41.48	0.00	0.00	0.00	62.12	15.00	197.54	1.87	0.30	8.47	183.75	0.00	1.00	3.70	0.00	197.54	3.09	87.16	0.58	18.05	N/A	N/A	N/A	N/A
621	6.21	3.07	56.41	4.00	2.01E-007	8.51E-004	12.00	41.48	0.00	0.00	0.00	62.33	15.00	197.52	1.87	0.30	8.46	184.01	0.00	1.00	3.68	0.00	197.52	3.10	87.49	0.58	18.06	N/A	N/A	N/A	N/A
622	6.22	3.07	56.75	4.00	1.98E-007	8.39E-004	12.00	41.48	0.00	0.00	0.00	62.51	15.00	197.51	1.86	0.30	8.44	184.25	0.00	1.00	3.65	0.00	197.51	3.12	87.78	0.58	18.06	N/A	N/A	N/A	N/A
623	6.23	3.08	57.07	4.00	1.98E-007	8.42E-004	12.00	41.62	0.00	0.00	0.00	62.74	15.00	198.17	1.87	0.30	8.46	184.56	0.00	1.00	3.65	0.00	198.17	3.12	87.93	0.58	18.07	N/A	N/A	N/A	N/A
624	6.24	3.08	57.16	4.00	1.97E-007	8.36E-004	12.00	41.61	0.00	0.00	0.00	62.82	15.00	198.16	1.86	0.30	8.44	184.66	0.00	1.00	3.64	0.00	198.16	3.13	87.99	0.58	18.07	N/A	N/A	N/A	N/A
625	6.25	3.08	57.54	4.00	1.94E-007	8.23E-004	12.00	41.61	0.00	0.00	0.00	63.03	15.00	198.14	1.86	0.30	8.43	184.92	0.00	1.00	3.62	0.00	198.14	3.14	88.32	0.58	18.08	N/A	N/A	N/A	N/A
626	6.26	3.06	58.49	4.00	1.82E-007	7.67E-004	12.00	41.33	0.00	0.00	0.00	63.37	15.00	196.80	1.85	0.30	8.36	185.35	0.00	1.00	3.53	0.00	196.80	3.21	89.41	0.58	18.10	N/A	N/A	N/A	N/A
627	6.27	3.04	59.09	4.00	1.73E-007	7.24E-004	12.00	41.05	0.00	0.00	0.00	63.56	15.00	195.45	1.83	0.30	8.29	185.58	0.00	1.00	3.47	0.00	195.45	3.26	90.18	0.58	18.11	N/A	N/A	N/A	N/A
628	6.28	3.03	59.37	4.00	1.68E-007	7.02E-004	12.00	40.90	0.00	0.00	0.00	63.67	15.00	194.78	1.82	0.30	8.25	185.71	0.00	1.00	3.44	0.00	194.78	3.29	90.54	0.58	18.11	N/A	N/A	N/A	N/A
629	6.29	3.00	59.18	4.00	1.61E-007	6.66E-004	12.00	40.48	0.00	0.00	0.00	63.47	15.00	192.76	1.80	0.30	8.15	185.46	0.00	1.00	3.42	0.00	192.76	3.34	90.71	0.58	18.10	N/A	N/A	N/A	N/A
630	6.30	2.96	59.31	4.00	1.51E-007	6.14E-004	11.00	39.92	0.00	0.00	0.00	63.35	15.00	190.09	1.77	0.30	8.02	185.30	0.00	1.00	3.37	0.00	190.09	3.41	91.32	0.58	18.10	N/A	N/A	N/A	N/A
631	6.31	2.95	59.50	4.00	1.47E-007	5.96E-004	11.00	39.78	0.00	0.00	0.00	63.42	15.00	189.41	1.76	0.30	7.98	185.38	0.00	1.00	3.34	0.00	189.41	3.44	91.60	0.58	18.10	N/A	N/A	N/A	N/A
632	6.32	2.91	59.91	4.00	1.36E-007	5.44E-004	11.00	39.21	0.00	0.00	0.00	63.41	15.00	186.73	1.73	0.30	7.85	185.36	0.00	1.00	3.27	0.00	186.73	3.53	92.47	0.58	18.11	N/A	N/A	N/A	N/A
633	6.33	2.89	59.75	4.00	1.32E-007	5.24E-004	11.00	38.93	0.00	0.00	0.00	63.27	15.00	185.38	1.72	0.30	7.79	185.19	0.00	1.00	3.26	0.00	185.38	3.57	92.56	0.58	18.10	N/A	N/A	N/A	N/A
634	6.34	2.85	58.96	4.00	1.27E-007	4.96E-004	11.00	38.37	0.00	0.00	0.00	62.76	15.00	182.71	1.69	0.30	7.66	184.54	0.00	1.00	3.25	0.00	182.71	3.62	92.33	0.58	18.08	N/A	N/A	N/A	N/A
635	6.35	2.83	58.33	4.00	1.25E-007	4.85E-004	11.00	38.09	0.00	0.00	0.00	62.42	15.00	181.36	1.67	0.30	7.59	184.12	0.00	1.00	3.26	0.00	181.36	3.63	91.98	0.58	18.06	N/A	N/A	N/A	N/A
636	6.36	2.83	57.45	4.00	1.28E-007	4.96E-004	11.00	38.08	0.00	0.00	0.00	62.09	15.00	181.35	1.67	0.30	7.58	183.71	0.00	1.00	3.31	0.00	181.35	3.61	91.12	0.58	18.05	N/A	N/A	N/A	N/A
637	6.37	2.83	56.85	4.00	1.30E-007	5.04E-004	11.00	38.08	0.00	0.00	0.00	61.87	15.00	181.34	1.67	0.30	7.57	183.45	0.00	1.00	3.35	0.00	181.34	3.59	90.53	0.58	18.03	N/A	N/A	N/A	N/A
638	6.38	2.86	55.24	4.00	1.43E-007	5.61E-004	11.00	38.50	0.00	0.00	0.00	61.37	15.00	183.33	1.68	0.30	7.65	182.86	0.00	1.00	3.48	0.00	183.33	3.48	88.59	0.58	18.01	N/A	N/A	N/A	N/A
639	6.39	2.88	54.86	4.00	1.49E-007	5.88E-004	11.00	38.78	0.00	0.00	0.00	61.36	15.00	184.65	1.69	0.30	7.69	182.86	0.00	1.00	3.53	0.00	184.65	3.43	87.95	0.58	18.00	N/A	N/A	N/A	N/A
640	6.40	2.91	54.64	4.00	1.56E-007	6.24E-004	11.00	39.19	0.00	0.00	0.00	61.46	15.00	186.63	1.71	0.30	7.76	183.02	0.00	1.00	3.59	0.00	186.63	3.38	87.34	0.58	18.00	N/A	N/A	N/A	N/A
641	6.41	2.94	54.36	4.00	1.64E-007	6.64E-004	11.00	39.61	0.00	0.00	0.00	61.53	15.00	188.62	1.72	0.30	7.84	183.14	0.00	1.00	3.64	0.00	188.62	3.32	86.68	0.58	18.00	N/A	N/A	N/A	N/A
642	6.42	3.00	53.70	4.00	1.83E-007	7.56E-004	11.00	40.45	0.00	0.00	0.00	61.59	15.00	192.61	1.76	0.30	7.99	183.26	0.00	1.00	3.77	0.00	192.61	3.20	85.32	0.58	17.99	N/A	N/A	N/A	N/A
643	6.43	3.03	53.57	4.00	1.92E-007	7.99E-004	11.00	40.87	0.00	0.00	0.00	61.73	15.00	194.60	1.77	0.30	8.07	183.46	0.00	1.00	3.81	0.00	194.60	3.15	84.83	0.58	17.99	N/A	N/A	N/A	N/A
644	6.44	3.04	53.38	4.00	1.95E-007	8.15E-004	11.00	41.00	0.00	0.00	0.00	61.73	15.00	195.26	1.78	0.30	8.08	183.48	0.00	1.00	3.84	0.00	195.26	3.14	84.52	0.58	17.99	N/A	N/A	N/A	N/A
645	6.45	3.08	52.91	4.00	2.09E-007	8.87E-004	12.00	41.56	0.00	0.00	0.00	61.76	15.00	197.91	1.80	0.30	8.18	183.55	0.00	1.00	3.93	0.00	197.91	3.06	83.61	0.58	17.98	N/A	N/A	N/A	N/A
646	6.46	3.08	52.56	5.00	2.11E-007	8.94E-004	12.00	41.56	28.00	33.54	51.13	61.64	0.00	0.00	0.00	0.30	0.00	183.41	-0.07	0.00	0.00	0.00	73.10	3.06	83.26	0.66	17.98	N/A	N/A	N/A	N/A
647	6.47	3.08	52.59	4.00	2.10E-007	8.89E-004	12.00	41.56	0.00	0.00	0.00	61.69	15.00	197.89	1.79	0.30	8.16	183.48	0.00	1.00	3.95	0.00	197.89	3.06	83.27	0.58	17.98	N/A	N/A	N/A	N/A
648	6.48	3.05	52.72	4.00	1.99E-007	8.36E-004	12.00	41.13	0.00	0.00	0.00	61.64	15.00	195.87	1.77	0.30	8.06	183.41	0.00	1.00	3.90	0.00	195.87	3.11	83.71	0.58	17.98	N/A	N/A	N/A	N/A
649	6.49	3.04	52.81	4.00	1.95E-007	8.15E-004	11.00	40.99	0.00	0.00	0.00	61.67	15.00	195.20	1.76	0.30	8.02	183.44	0.00	1.00	3.88	0.00	195.20	3.14	83.88	0.58	17.98	N/A	N/A	N/A	N/A
650	6.50	3.03	52.75	4.00	1.92E-007	7.99E-004	11.00	40.85	0.00	0.00	0.00	61.63	15.00	194.52	1.75	0.30	7.98	183.40	0.00	1.00	3.87	0.00	194.52	3.15	83.92	0.58	17.97	N/A	N/A	N/A	N/A
651	6.51	3.03	53.00	4.00	1.90E-007	7.89E-004	11.00	40.85	0.00	0.00	0.00	61.78	15.00	194.51	1.75	0.30	7.97	183.60	0.00	1.00	3.85	0.00	194.51	3.17	84.13	0.58	17.98	N/A	N/A	N/A	N/A
652	6.52	3.05	53.47	4.00	1.91E-007	8.02E-004	12.00	41.12	0.00	0.00	0.00	62.14	15.00	195.83	1.76	0.30	8.01	184.06	0.00	1.00	3.85	0.00	195.83	3.16	84.32	0.58	17.99	N/A	N/A	N/A	N/A
653	6.53	3.04	53.57	4.00	1.87E-007	7.82E-004	12.00	40.98	0.00	0.00	0.00	62.17	15.00	195.15	1.75	0.30	7.97	184.10	0.00	1.00	3.83	0.00	195.15	3.18	84.51	0.58	17.99	N/A	N/A	N/A	N/A
654	6.54	3.02	53.54	4.00	1.81E-007	7.52E-004	11.00	40.70	0.00	0.00	0.00	62.09	15.00	193.81	1.73	0.30	7.91	184.00	0.00	1.00	3.80	0.00	193.81	3.21	84.69	0.58	17.99	N/A	N/A	N/A	N/A
655	6.55	3.00	53.19	4.00	1.77E-007	7.31E-004	11.00	40.42	0.00	0.00	0.00	61.87	15.00	192.46	1.72	0.30	7.84	183.72	0.00	1.00	3.80	0.00	192.46	3.24	84.57	0.58	17.98	N/A	N/A	N/A	N/A
656	6.56	2.93	53.19	4.00	1.59E-007	6.39E-004	11.00	39.43	0.00	0.00	0.00	61.54	15.00	187.78	1.68	0.30	7.63	183.28	0.00	1.00	3.71	0.00	187.78	3.36	85.38	0.58	17.97	N/A	N/A	N/A	N/A
657	6.57	2.89	52.84	4.00	1.51E-007	5.98E-004	11.00	38.87	0.00	0.00	0.00	61.20	15.00	185.10	1.65	0.30	7.51	182.85	0.00	1.00	3.68	0.00	185.10	3.41	85.51	0.58	17.96	N/A	N/A	N/A	N/A
658	6.58	2.84	52.72	4.00	1.39E-007	5.43E-004	11.00	38.17	0.00	0.00	0.00	60.92	15.00	181.76	1.62	0.30	7.36	182.47	0.00	1.00	3.62	0.00	181.76	3.50	85.99	0.58	17.95	N/A	N/A	N/A	N/A
659	6.59	2.74	52.37	4.00	1.20E-007	4.49E-004	11.00	36.77	0.00	0.00	0.00	60.25	15.00	175.08	1.55	0.30	7.08	181.58	0.00	1.00	3.51	0.00	175.08	3.68	86.90	0.58	17.93	N/A	N/A	N/A	N/A
660	6.60	2.69	52.28	4.00	1.10E-007	4.05E-004	11.00	36.06	0.00	0.00	0.00	59.97	15.00	171.73	1.52	0.30	6.93	181.20	0.00	1.00	3.45	0.00	171.73	3.79	87.44	0.58	17.92	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
661	6.61	2.65	52.18	4.00	1.03E-007	3.72E-004	11.00	35.50	0.00	0.00	0.00	59.74	15.00	169.05	1.50	0.30	6.81	180.89	0.00	1.00	3.40	0.00	169.05	3.87	87.85	0.58	17.91	N/A	N/A	N/A	N/A
662	6.62	2.63	52.47	4.00	9.81E-008	3.52E-004	11.00	35.22	0.00	0.00	0.00	59.79	15.00	167.71	1.48	0.30	6.74	180.95	0.00	1.00	3.36	0.00	167.71	3.93	88.37	0.58	17.91	N/A	N/A	N/A	N/A
663	6.63	2.62	52.94	4.00	9.45E-008	3.38E-004	11.00	35.08	0.00	0.00	0.00	59.98	15.00	167.03	1.47	0.30	6.70	181.20	0.00	1.00	3.31	0.00	167.03	3.98	88.94	0.58	17.92	N/A	N/A	N/A	N/A
664	6.64	2.58	53.54	4.00	8.60E-008	3.03E-004	11.00	34.51	0.00	0.00	0.00	60.06	15.00	164.35	1.45	0.30	6.58	181.27	0.00	1.00	3.22	0.00	164.35	4.10	90.05	0.58	17.93	N/A	N/A	N/A	N/A
665	6.65	2.40	54.67	4.00	5.95E-008	1.94E-004	10.00	31.99	0.00	0.00	0.00	59.50	15.00	152.34	1.34	0.30	6.08	180.45	0.00	1.00	2.93	0.00	152.34	4.62	93.65	0.58	17.93	N/A	N/A	N/A	N/A
666	6.66	2.28	55.46	4.00	4.57E-008	1.41E-004	10.00	30.31	0.00	0.00	0.00	59.11	15.00	144.33	1.27	0.30	5.74	179.88	0.00	1.00	2.73	0.00	144.33	5.02	96.14	0.58	17.92	N/A	N/A	N/A	N/A
667	6.67	2.09	57.45	4.00	2.87E-008	8.08E-005	9.00	27.65	0.00	0.00	0.00	58.69	15.00	131.65	1.15	0.30	5.21	179.20	0.00	1.00	2.41	0.00	131.65	5.80	100.86	0.58	17.93	N/A	N/A	N/A	N/A
668	6.68	2.03	58.87	4.00	2.39E-008	6.52E-005	9.00	26.80	0.00	0.00	0.00	58.88	15.00	127.64	1.12	0.30	5.04	179.40	0.00	1.00	2.28	0.00	127.64	6.14	103.08	0.58	17.95	N/A	N/A	N/A	N/A
669	6.69	1.95	62.05	3.00	1.79E-008	4.68E-005	9.00	25.68	0.00	0.00	0.00	59.58	15.00	122.30	1.07	0.30	4.81	180.24	0.00	1.00	2.07	0.00	122.30	6.69	107.24	0.58	17.99	N/A	N/A	N/A	N/A
670	6.70	1.86	64.76	3.00	1.33E-008	3.30E-005	9.00	24.42	0.00	0.00	0.00	59.91	15.00	116.29	1.01	0.30	4.57	180.58	0.00	1.00	1.89	0.00	116.29	7.30	111.06	0.58	18.02	N/A	N/A	N/A	N/A
671	6.71	1.71	67.41	3.00	8.34E-009	1.88E-005	9.00	22.14	0.00	0.00	0.00	59.59	15.00	106.28	0.93	0.30	4.17	180.02	0.00	1.00	1.66	0.00	106.28	8.32	115.62	0.58	18.04	N/A	N/A	N/A	N/A
672	6.72	1.53	71.98	3.00	4.40E-009	7.81E-006	8.00	17.41	0.00	0.00	0.00	59.46	15.00	94.30	0.82	0.30	3.69	179.67	0.00	1.00	1.38	0.00	94.30	9.92	122.05	0.63	18.07	N/A	N/A	N/A	N/A
673	6.73	1.53	74.16	3.00	4.14E-009	7.33E-006	8.00	17.38	0.00	0.00	0.00	60.24	15.00	94.29	0.82	0.30	3.69	180.66	0.00	1.00	1.34	0.00	94.29	10.08	123.87	0.64	18.10	N/A	N/A	N/A	N/A
674	6.74	1.60	74.41	3.00	5.04E-009	9.81E-006	8.00	19.11	0.00	0.00	0.00	61.08	15.00	98.95	0.86	0.30	3.86	181.82	0.00	1.00	1.40	0.00	98.95	9.56	123.11	0.65	18.13	N/A	N/A	N/A	N/A
675	6.75	1.81	74.88	3.00	8.73E-009	2.11E-005	9.00	23.72	0.00	0.00	0.00	63.31	15.00	112.96	0.98	0.30	4.40	184.83	0.00	1.00	1.58	0.00	112.96	8.22	120.56	0.58	18.18	N/A	N/A	N/A	N/A
676	6.76	1.85	74.76	3.00	9.64E-009	2.39E-005	9.00	24.28	0.00	0.00	0.00	63.67	15.00	115.62	1.00	0.30	4.50	185.33	0.00	1.00	1.62	0.00	115.62	7.99	119.82	0.58	18.19	N/A	N/A	N/A	N/A
677	6.77	2.01	71.16	3.00	1.54E-008	4.16E-005	10.00	26.52	0.00	0.00	0.00	63.82	15.00	126.28	1.09	0.30	4.91	185.67	0.00	1.00	1.86	0.00	126.28	6.99	114.26	0.58	18.16	N/A	N/A	N/A	N/A
678	6.78	1.99	70.15	3.00	1.50E-008	4.02E-005	10.00	26.24	0.00	0.00	0.00	63.33	15.00	124.93	1.08	0.30	4.85	185.05	0.00	1.00	1.87	0.00	124.93	7.03	113.61	0.58	18.14	N/A	N/A	N/A	N/A
679	6.79	1.82	68.74	3.00	1.04E-008	2.52E-005	9.00	23.85	0.00	0.00	0.00	61.39	15.00	113.58	0.98	0.30	4.40	182.49	0.00	1.00	1.73	0.00	113.58	7.83	114.78	0.58	18.08	N/A	N/A	N/A	N/A
680	6.80	1.70	67.69	3.00	7.78E-009	1.71E-005	9.00	21.54	0.00	0.00	0.00	59.95	15.00	105.57	0.91	0.30	4.08	180.56	0.00	1.00	1.64	0.00	105.57	8.49	115.47	0.58	18.04	N/A	N/A	N/A	N/A
681	6.81	1.59	66.56	3.00	5.88E-009	1.12E-005	8.00	18.62	0.00	0.00	0.00	58.53	15.00	98.22	0.84	0.30	3.79	178.63	0.00	1.00	1.55	0.00	98.22	9.17	115.89	0.57	17.99	N/A	N/A	N/A	N/A
682	6.82	1.50	65.83	3.00	4.57E-009	7.63E-006	8.00	16.39	0.00	0.00	0.00	57.41	15.00	92.21	0.79	0.30	3.55	177.08	0.00	1.00	1.47	0.00	92.21	9.82	116.34	0.56	17.96	N/A	N/A	N/A	N/A
683	6.83	1.38	67.32	3.00	2.96E-009	4.11E-006	8.00	13.64	0.00	0.00	0.00	56.68	15.00	84.20	0.72	0.30	3.24	175.99	0.00	1.00	1.31	0.00	84.20	11.02	119.05	0.58	17.95	N/A	N/A	N/A	N/A
684	6.84	1.32	68.70	3.00	2.30E-009	2.90E-006	8.00	12.35	0.00	0.00	0.00	56.51	15.00	80.19	0.68	0.30	3.08	175.69	0.00	1.00	1.23	0.00	80.19	11.77	120.85	0.59	17.96	N/A	N/A	N/A	N/A
685	6.85	1.29	68.55	3.00	2.07E-009	2.47E-006	7.00	11.72	0.00	0.00	0.00	56.14	15.00	78.18	0.67	0.30	3.00	175.18	0.00	1.00	1.20	0.00	78.18	12.10	120.97	0.58	17.95	N/A	N/A	N/A	N/A
686	6.86	1.28	64.70	3.00	2.21E-009	2.60E-006	7.00	11.51	0.00	0.00	0.00	54.76	15.00	77.51	0.66	0.30	2.97	173.33	0.00	1.00	1.26	0.00	77.51	11.89	117.63	0.55	17.88	N/A	N/A	N/A	N/A
687	6.87	1.27	61.29	3.00	2.35E-009	2.71E-006	7.00	11.29	0.00	0.00	0.00	53.49	15.00	76.83	0.65	0.30	2.94	171.63	0.00	1.00	1.32	0.00	76.83	11.70	114.60	0.52	17.81	N/A	N/A	N/A	N/A
688	6.88	1.28	58.74	3.00	2.63E-009	3.08E-006	7.00	11.47	0.00	0.00	0.00	52.72	15.00	77.49	0.66	0.30	2.96	170.62	0.00	1.00	1.39	0.00	77.49	11.36	112.09	0.50	17.77	N/A	N/A	N/A	N/A
689	6.89	1.28	58.11	3.00	2.68E-009	3.12E-006	7.00	11.45	0.00	0.00	0.00	52.53	15.00	77.48	0.66	0.30	2.95	170.36	0.00	1.00	1.40	0.00	77.48	11.32	111.44	0.49	17.76	N/A	N/A	N/A	N/A
690	6.90	1.31	56.88	3.00	3.09E-009	3.79E-006	7.00	12.02	0.00	0.00	0.00	52.44	15.00	79.47	0.67	0.30	3.03	170.30	0.00	1.00	1.47	0.00	79.47	10.89	109.89	0.48	17.74	N/A	N/A	N/A	N/A
691	6.91	1.38	57.32	3.00	3.87E-009	5.31E-006	8.00	13.45	0.00	0.00	0.00	53.39	15.00	84.13	0.71	0.30	3.20	171.69	0.00	1.00	1.54	0.00	84.13	10.26	109.44	0.48	17.77	N/A	N/A	N/A	N/A
692	6.92	1.38	57.32	3.00	3.86E-009	5.28E-006	8.00	13.43	0.00	0.00	0.00	53.42	15.00	84.12	0.71	0.30	3.19	171.74	0.00	1.00	1.54	0.00	84.12	10.28	109.38	0.48	17.77	N/A	N/A	N/A	N/A
693	6.93	1.38	57.32	3.00	3.84E-009	5.25E-006	8.00	13.41	0.00	0.00	0.00	53.46	15.00	84.10	0.71	0.30	3.19	171.80	0.00	1.00	1.54	0.00	84.10	10.29	109.33	0.48	17.77	N/A	N/A	N/A	N/A
694	6.94	2.16	63.75	4.00	2.47E-008	7.22E-005	10.00	28.61	0.00	0.00	0.00	62.85	15.00	136.26	1.15	0.30	5.17	184.75	0.00	1.00	2.24	0.00	136.26	6.07	104.64	0.58	18.06	N/A	N/A	N/A	N/A
695	6.95	2.17	66.72	4.00	2.31E-008	6.77E-005	10.00	28.76	0.00	0.00	0.00	64.14	15.00	136.94	1.15	0.30	5.19	186.36	0.00	1.00	2.16	0.00	136.94	6.20	107.12	0.58	18.12	N/A	N/A	N/A	N/A
696	6.96	2.17	67.10	3.00	2.28E-008	6.67E-005	10.00	28.75	0.00	0.00	0.00	64.33	15.00	136.92	1.15	0.30	5.18	186.60	0.00	1.00	2.14	0.00	136.92	6.22	107.42	0.58	18.12	N/A	N/A	N/A	N/A
697	6.97	2.13	67.95	3.00	2.03E-008	5.83E-005	10.00	28.19	0.00	0.00	0.00	64.41	15.00	134.21	1.12	0.30	5.06	186.68	0.00	1.00	2.07	0.00	134.21	6.44	108.69	0.58	18.13	N/A	N/A	N/A	N/A
698	6.98	1.90	68.23	3.00	1.19E-008	3.03E-005	9.00	24.95	0.00	0.00	0.00	62.67	15.00	118.82	0.99	0.30	4.47	184.34	0.00	1.00	1.83	0.00	118.82	7.53	112.16	0.58	18.09	N/A	N/A	N/A	N/A
699	6.99	1.77	68.29	3.00	8.55E-009	1.99E-005	9.00	22.77	0.00	0.00	0.00	61.56	15.00	110.12	0.92	0.30	4.14	182.84	0.00	1.00	1.69	0.00	110.12	8.27	113.97	0.58	18.07	N/A	N/A	N/A	N/A
700	7.00	1.56	69.08	3.00	4.65E-009	8.20E-006	8.00	17.30	0.00	0.00	0.00	59.83	15.00	96.04	0.80	0.30	3.60	180.43	0.00	1.00	1.46	0.00	96.04	9.77	117.34	0.58	18.03	N/A	N/A	N/A	N/A
701	7.01	1.50	69.21	3.00	3.85E-009	6.23E-006	8.00	15.86	0.00	0.00	0.00	59.29	15.00	92.04	0.77	0.30	3.45	179.68	0.00	1.00	1.40	0.00	92.04	10.28	118.12	0.58	18.02	N/A	N/A	N/A	N/A
702	7.02	1.45	70.25	3.00	3.18E-009	4.78E-006	8.00	14.71	0.00	0.00	0.00	59.15	15.00	88.70	0.74	0.30	3.32	179.44	0.00	1.00	1.33	0.00	88.70	10.81	119.53	0.58	18.02	N/A	N/A	N/A	N/A
703	7.03	1.49	73.28	3.00	3.32E-009	5.28E-006	8.00	15.58	0.00	0.00	0.00	60.66	15.00	91.36	0.76	0.30	3.41	181.41	0.00	1.00	1.31	0.00	91.36	10.69	121.56	0.61	18.08	N/A	N/A	N/A	N/A
704	7.04	1.65	73.50	3.00	5.28E-009	1.04E-005	9.00	19.41	0.00	0.00	0.00	62.45	15.00	102.03	0.85	0.30	3.80	183.85	0.00	1.00	1.46	0.00	102.03	9.44	119.74	0.61	18.12	N/A	N/A	N/A	N/A
705	7.05	2.41	67.98	4.00	3.47E-008	1.13E-004	11.00	32.08	0.00	0.00	0.00	66.73	15.00	152.78	1.26	0.30	5.72	189.76	0.00	1.00	2.36	0.00	152.78	5.48	104.47	0.58	18.18	N/A	N/A	N/A	N/A
706	7.06	2.88	65.11	4.00	8.46E-008	3.33E-004	12.00	38.66	0.00	0.00	0.00	68.50	15.00	184.11	1.52	0.30	6.95	192.16	0.00	1.00	2.97	0.00	184.11	4.13	95.58	0.58	18.20	N/A	N/A	N/A	N/A
707	7.07	3.27	62.68	4.00	1.61E-007	7.24E-004	13.00	44.12	0.00	0.00	0.00	69.60	15.00	210.10	1.73	0.30	7.97	193.67	0.00	1.00	3.52	0.00	210.10	3.34	88.77	0.58	18.20	N/A	N/A	N/A	N/A
708	7.08	3.64	58.27	5.00	2.97E-007	1.49E-003	13.00	49.30	29.00	33.39	57.00	69.43	0.00	0.00	0.00	0.30	0.00	193.66	-0.07	0.00	0.00	0.00	80.03	2.73	81.43	0.66	18.16	N/A	N/A	N/A	N/A
709	7.09	3.66	56.28	5.00	3.23E-007	1.63E-003	13.00	49.58	29.00	33.23	56.46	68.62	0.00	0.00	0.00	0.30	0.00	192.73	-0.07	0.00	0.00	0.00	79.68	2.66	79.64	0.57	18.12	N/A	N/A	N/A	N/A
710	7.10	3.65	53.51	5.00	3.49E-007	1.76E-003	13.00	49.43	29.00	33.04	55.53	67.28	0.00	0.00	0.00	0.30	0.00	191.15	-0.06	0.00	0.00	0.00	79.22	2.59	77.47	0.47	18.06	N/A	N/A	N/A	N/A
711	7.11	3.57	49.63	5.00	3.60E-007	1.77E-003	13.00	48.31	29.00	32.81	53.97	65.04	0.00	0.00	0.00	0.30	0.00	188.44	-0.06	0.00	0.00	0.00	78.63	2.57	74.88	0.38	17.97	N/A	N/A	N/A	N/A
712	7.12	3.48	48.21	5.00	3.36E-007	1.61E-003	13.00	47.05	28.00	32.76	53.20	63.95	0.00	0.00	0.00	0.30	0.00	187.09	-0.06	0.00	0.00	0.00	78.61	2.62	74.37	0.37	17.92	N/A	N/A	N/A	N/A
713	7.13	3.36	46.98	5.00	3.00E-007	1.39E-003	12.00	45.36	28.00	32.75	52.38	62.82	0.00	0.00	0.00	0.30	0.00	185.64	-0.06	0.00	0.00	0.00	78.70	2.72	74.28	0.36	17.88	N/A	N/A	N/A	N/A
714	7.14	3.06	45.25	5.00	2.09E-007	8.78E-004	12.00	41.16	27.00	32.86	50.72	60.55	0.00	0.00	0.00	0.30	0.00	182.67	-0.06	0.00	0.00	0.00	79.14	3.07	75.45	0.40	17.80	N/A	N/A	N/A	N/A
715	7.15	2.92	45.59	4.00	1.66E-007	6.65E-004	11.00	39.20	0.00	0.00	0.00	60.07	15.00	186.66	1.52	0.30	7.01	181.98	0.00	1.00	4.30	0.00	186.66	3.31	77.19	0.46	17.79	N/A	N/A	N/A	N/A
716	7.16	2.70	46.95	4.00	1.10E-007	4.06E-004	11.00	36.12	0.00	0.00	0.00	59.63	15.00	171.98	1.40	0.30	6.42	181.29	0.00	1.00	3.85	0.00	171.98	3.78	80.96	0.58	17.80	N/A	N/A	N/A	N/A
717	7.17	2.58	48.78	4.00	8.35E-008	2.93E-004	11.00	34.43	0.00	0.00	0.00	59.88	15.00	163.97	1.33	0.30	6.09	181.55	0.00	1.00	3.53	0.00	163.97	4.14	84.18	0.58	17.82	N/A	N/A	N/A	N/A
718	7.18	2.46	51.87	4.00	5.99E-008	2.00E-004	10.00	32.75	0.00	0.00	0.00	60.66	15.00	155.95	1.27	0.30	5.77	182.46	0.00	1.00	3.16	0.00	155.95	4.61	88.67	0.58	17.88	N/A	N/A	N/A	N/A
719	7.19	2.27	57.48	4.00	3.41E-008	1.05E-004	10.00	30.09	0.00	0.00	0.00	62.00	15.00	143.27	1.16	0.30	5.26	184.01	0.00	1.00	2.62	0.00	143.27	5.50	96.45	0.58	17.96	N/A	N/A	N/A	N/A
720	7.20	2.27	59.21	4.00	3.22E-008	9.87E-005	10.00	30.09	0.00	0.00	0.00	62.78	15.00	143.26	1.16	0.30	5.25	184.99	0.00	1.00	2.54	0.00	143.26	5.60	98.01	0.58	18.00	N/A	N/A	N/A	N/A
721	7.21	2.31	62.52	4.00	3.14E-008	9.80E-005	10.00	30.64	0.00	0.00	0.00	64.48	15.00	145.92	1.18	0.30	5.34	187.12	0.00	1.00	2.45	0.00	145.92	5.65	100.43	0.58	18.07	N/A	N/A	N/A	N/A
722	7.22	2.38	64.16	4.00	3.42E-008	1.10E-004	11.00	31.62	0.00	0.00	0.00	65.67	15.00	150.58	1.21	0.30	5.50	188.63	0.00	1.00	2.46	0.00	150.58	5.50	100.91	0.58	18.11	N/A	N/A	N/A	N/A
723	7.23	2.45	71.13	4.00	3.20E-008	1.06E-004	11.00	32.60	0.00	0.00	0.00	69.01	15.00	155.24	1.25	0.30	5.66	192.67	0.00	1.00	2.29	0.00	155.24	5.61	105.95	0.58	18.24	N/A	N/A	N/A	N/A
724	7.24	2.43	73.62	4.00	2.87E-008	9.46E-005	11.00	32.32	0.00	0.00	0.00	69.90	15.00	153.89	1.24	0.30	5.60	193.72	0.00	1.00	2.19	0.00	153.89	5.80	108.27	0.58	18.27	N/A	N/A	N/A	N/A
725	7.25	2.33	76.18	3.00	2.20E-008	6.94E-005	11.00	30.91	0.00	0.00	0.00	70.23	15.00	147.21	1.18	0.30	5.33	194.05	0.00	1.00	2.03	0.00	147.21	6.28	111.68	0.58	18.30	N/A	N/A	N/A	N/A
726	7.26	1.99	80.02	3.00	9.74E-009	2.60E-005	10.00	26.15	0.00	0.00	0.00	68.85	15.00	124.53	1.00	0.30	4.49	192.16	0.00	1.00	1.63	0.00	124.53	7.97	119.39	0.58	18.29	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
727	7.27	1.84	79.27	3.00	6.91E-009	1.66E-005	9.00	23.63	0.00	0.00	0.00	67.23	15.00	114.51	0.92	0.30	4.13	190.09	0.00	1.00	1.52	0.00	114.51	8.77	120.69	0.58	18.25	N/A	N/A	N/A	N/A
728	7.28	1.52	77.53	3.00	2.97E-009	4.73E-006	8.00	15.62	0.00	0.00	0.00	63.37	15.00	93.16	0.75	0.30	3.35	185.05	0.00	1.00	1.26	0.00	93.16	11.01	123.03	0.62	18.15	N/A	N/A	N/A	N/A
729	7.29	1.42	76.93	3.00	2.19E-009	3.00E-006	8.00	13.44	0.00	0.00	0.00	62.06	15.00	86.48	0.69	0.30	3.11	183.30	0.00	1.00	1.18	0.00	86.48	11.92	123.53	0.61	18.12	N/A	N/A	N/A	N/A
730	7.30	1.32	77.22	3.00	1.53E-009	1.79E-006	8.00	11.43	0.00	0.00	0.00	60.98	15.00	79.80	0.64	0.30	2.86	181.82	0.00	1.00	1.09	0.00	79.80	13.06	124.65	0.62	18.10	N/A	N/A	N/A	N/A
731	7.31	1.27	77.47	3.00	1.27E-009	1.35E-006	8.00	10.47	0.00	0.00	0.00	60.46	15.00	76.46	0.61	0.30	2.74	181.10	0.00	1.00	1.04	0.00	76.46	13.71	125.21	0.62	18.08	N/A	N/A	N/A	N/A
732	7.32	1.14	78.89	3.00	8.56E-010	7.18E-007	7.00	8.22	0.00	0.00	0.00	59.18	15.00	67.78	0.54	0.30	2.43	179.27	0.00	1.00	0.90	0.00	67.78	15.74	127.26	0.63	18.06	N/A	N/A	N/A	N/A
733	7.33	1.04	80.09	3.00	6.91E-010	4.70E-007	7.00	6.67	0.00	0.00	0.00	58.09	15.00	61.10	0.49	0.30	2.18	177.71	0.00	1.00	0.80	0.00	61.10	17.69	128.75	0.64	18.05	N/A	N/A	N/A	N/A
734	7.34	0.93	81.38	2.00	5.31E-010	2.79E-007	7.00	5.16	0.00	0.00	0.00	56.72	15.00	53.75	0.43	0.30	1.92	175.71	0.00	1.00	0.69	0.00	53.75	20.37	130.23	0.65	18.02	N/A	N/A	N/A	N/A
735	7.35	0.79	79.74	2.00	3.74E-010	1.34E-007	6.00	3.51	0.00	0.00	0.00	53.72	15.00	44.41	0.35	0.30	1.58	171.41	0.00	1.00	0.58	0.00	44.41	24.55	129.50	0.63	17.94	N/A	N/A	N/A	N/A
736	7.36	0.78	75.73	2.00	3.79E-010	1.31E-007	6.00	3.40	0.00	0.00	0.00	52.41	15.00	43.73	0.35	0.30	1.56	169.61	0.00	1.00	0.61	0.00	43.73	24.37	126.41	0.60	17.87	N/A	N/A	N/A	N/A
737	7.37	0.81	66.12	2.00	4.64E-010	1.76E-007	6.00	3.71	0.00	0.00	0.00	50.13	15.00	45.73	0.36	0.30	1.62	166.54	0.00	1.00	0.73	0.00	45.73	21.90	118.59	0.52	17.73	N/A	N/A	N/A	N/A
738	7.38	0.83	62.05	2.00	5.17E-010	2.07E-007	6.00	3.93	0.00	0.00	0.00	49.22	15.00	47.05	0.37	0.30	1.67	165.32	0.00	1.00	0.80	0.00	47.05	20.68	115.06	0.49	17.67	N/A	N/A	N/A	N/A
739	7.39	0.90	55.30	3.00	6.82E-010	3.29E-007	6.00	4.74	0.00	0.00	0.00	48.11	15.00	51.71	0.41	0.30	1.83	163.92	0.00	1.00	0.98	0.00	51.71	17.82	108.83	0.44	17.56	N/A	N/A	N/A	N/A
740	7.40	0.93	51.74	3.00	7.74E-010	4.02E-007	6.00	5.10	0.00	0.00	0.00	47.32	15.00	53.70	0.42	0.30	1.90	162.86	0.00	1.00	1.09	0.00	53.70	16.64	105.38	0.41	17.50	N/A	N/A	N/A	N/A
741	7.41	0.97	48.62	3.00	8.92E-010	5.10E-007	6.00	5.61	0.00	0.00	0.00	46.75	15.00	56.35	0.44	0.30	1.99	162.14	0.00	1.00	1.22	0.00	56.35	15.39	102.17	0.38	17.45	N/A	N/A	N/A	N/A
742	7.42	1.01	43.04	3.00	1.20E-009	7.53E-007	6.00	6.14	0.00	0.00	0.00	45.11	15.00	59.01	0.46	0.30	2.08	159.84	0.00	1.00	1.44	0.00	59.01	13.89	96.40	0.34	17.32	N/A	N/A	N/A	N/A
743	7.43	1.01	40.86	3.00	1.31E-009	8.21E-007	6.00	6.13	0.00	0.00	0.00	44.23	15.00	59.00	0.46	0.30	2.08	158.55	0.00	1.00	1.52	0.00	59.00	13.58	94.13	0.32	17.26	N/A	N/A	N/A	N/A
744	7.44	1.03	37.55	3.00	1.67E-009	1.09E-006	6.00	6.40	0.00	0.00	0.00	43.08	15.00	60.32	0.47	0.30	2.12	156.89	0.00	1.00	1.69	0.00	60.32	12.78	90.45	0.29	17.17	N/A	N/A	N/A	N/A
745	7.45	1.04	36.67	3.00	1.81E-009	1.21E-006	6.00	6.53	0.00	0.00	0.00	42.84	15.00	60.98	0.48	0.30	2.14	156.55	0.00	1.00	1.75	0.00	60.98	12.51	89.38	0.29	17.15	N/A	N/A	N/A	N/A
746	7.46	1.06	36.23	3.00	2.02E-009	1.40E-006	6.00	6.81	0.00	0.00	0.00	42.90	15.00	62.30	0.49	0.30	2.19	156.69	0.00	1.00	1.81	0.00	62.30	12.17	88.69	0.28	17.14	N/A	N/A	N/A	N/A
747	7.47	1.10	33.96	3.00	2.69E-009	2.03E-006	6.00	7.40	0.00	0.00	0.00	42.34	15.00	64.96	0.51	0.30	2.28	155.93	0.00	1.00	2.01	0.00	64.96	11.30	85.78	0.26	17.08	N/A	N/A	N/A	N/A
748	7.48	1.11	31.81	3.00	3.12E-009	2.40E-006	6.00	7.54	0.00	0.00	0.00	41.44	15.00	65.62	0.51	0.30	2.30	154.60	0.00	1.00	2.17	0.00	65.62	10.87	83.19	0.25	17.01	N/A	N/A	N/A	N/A
749	7.49	1.13	30.08	3.00	3.72E-009	2.97E-006	6.00	7.83	0.00	0.00	0.00	40.82	15.00	66.94	0.52	0.30	2.34	153.71	0.00	1.00	2.34	0.00	66.94	10.38	80.93	0.23	16.95	N/A	N/A	N/A	N/A
750	7.50	1.16	30.46	3.00	4.11E-009	3.47E-006	6.00	8.29	0.00	0.00	0.00	41.35	15.00	68.93	0.53	0.30	2.41	154.58	0.00	1.00	2.38	0.00	68.93	10.10	81.05	0.24	16.98	N/A	N/A	N/A	N/A
751	7.51	1.14	30.65	3.00	3.73E-009	3.03E-006	6.00	7.96	0.00	0.00	0.00	41.26	15.00	67.58	0.52	0.30	2.36	154.41	0.00	1.00	2.32	0.00	67.58	10.37	81.44	0.24	16.98	N/A	N/A	N/A	N/A
752	7.52	1.10	30.52	3.00	3.16E-009	2.36E-006	6.00	7.33	0.00	0.00	0.00	40.79	15.00	64.91	0.50	0.30	2.26	153.62	0.00	1.00	2.23	0.00	64.91	10.84	81.63	0.24	16.96	N/A	N/A	N/A	N/A
753	7.53	1.09	29.07	3.00	3.26E-009	2.39E-006	6.00	7.17	0.00	0.00	0.00	39.98	15.00	64.23	0.50	0.30	2.23	152.35	0.00	1.00	2.32	0.00	64.23	10.74	79.96	0.22	16.90	N/A	N/A	N/A	N/A
754	7.54	1.21	28.82	3.00	5.41E-009	4.99E-006	6.00	9.06	0.00	0.00	0.00	41.11	15.00	72.23	0.56	0.30	2.51	154.35	0.00	1.00	2.63	0.00	72.23	9.38	78.44	0.22	16.93	N/A	N/A	N/A	N/A
755	7.55	1.40	29.98	3.00	9.95E-009	1.27E-005	7.00	12.50	0.00	0.00	0.00	43.52	15.00	84.89	0.65	0.30	2.94	158.34	0.00	1.00	2.97	0.00	84.89	7.92	77.72	0.48	17.03	N/A	N/A	N/A	N/A
756	7.56	1.89	32.66	4.00	3.45E-008	8.49E-005	8.00	24.12	0.00	0.00	0.00	48.73	15.00	117.55	0.90	0.30	4.10	166.51	0.00	1.00	3.78	0.00	117.55	5.48	75.00	0.39	17.24	N/A	N/A	N/A	N/A
757	7.57	2.14	34.40	4.00	5.61E-008	1.61E-004	9.00	28.18	0.00	0.00	0.00	51.28	15.00	134.21	1.03	0.30	4.71	170.28	0.00	1.00	4.10	0.00	134.21	4.71	73.95	0.35	17.35	N/A	N/A	N/A	N/A
758	7.58	2.56	37.30	4.00	1.11E-007	3.85E-004	10.00	34.06	0.00	0.00	0.00	55.28	15.00	162.20	1.25	0.30	5.74	175.98	0.00	1.00	4.57	0.00	162.20	3.78	72.24	0.31	17.51	N/A	N/A	N/A	N/A
759	7.59	2.65	37.21	4.00	1.30E-007	4.68E-004	10.00	35.32	0.00	0.00	0.00	55.73	15.00	168.19	1.29	0.30	5.96	176.64	0.00	1.00	4.75	0.00	168.19	3.58	71.17	0.28	17.52	N/A	N/A	N/A	N/A
760	7.60	2.85	36.35	5.00	1.88E-007	7.30E-004	11.00	38.12	25.00	32.18	47.89	56.28	0.00	0.00	0.00	0.30	0.00	177.50	-0.05	0.00	0.00	0.00	82.18	3.18	68.30	0.22	17.52	N/A	N/A	N/A	N/A
761	7.61	2.92	34.62	5.00	2.27E-007	9.04E-004	11.00	39.10	25.00	31.93	47.47	55.64	0.00	0.00	0.00	0.30	0.00	176.73	-0.04	0.00	0.00	0.00	81.52	2.98	65.93	0.18	17.48	N/A	N/A	N/A	N/A
762	7.62	3.02	34.02	5.00	2.71E-007	1.12E-003	11.00	40.49	26.00	31.78	47.61	55.78	0.00	0.00	0.00	0.30	0.00	176.98	-0.04	0.00	0.00	0.00	81.15	2.82	64.49	0.16	17.47	N/A	N/A	N/A	N/A
763	7.63	3.08	34.78	5.00	2.85E-007	1.20E-003	11.00	41.33	26.00	31.81	48.16	56.53	0.00	0.00	0.00	0.30	0.00	178.01	-0.04	0.00	0.00	0.00	81.34	2.77	64.74	0.17	17.50	N/A	N/A	N/A	N/A
764	7.64	3.12	35.75	5.00	2.87E-007	1.23E-003	11.00	41.89	26.00	31.87	48.73	57.32	0.00	0.00	0.00	0.30	0.00	179.05	-0.04	0.00	0.00	0.00	81.65	2.76	65.35	0.17	17.54	N/A	N/A	N/A	N/A
765	7.65	3.17	37.30	5.00	2.87E-007	1.25E-003	12.00	42.58	26.00	31.98	49.56	58.48	0.00	0.00	0.00	0.30	0.00	180.57	-0.04	0.00	0.00	0.00	82.11	2.76	66.40	0.19	17.59	N/A	N/A	N/A	N/A
766	7.66	3.19	37.49	5.00	2.92E-007	1.27E-003	12.00	42.86	26.00	31.98	49.73	58.71	0.00	0.00	0.00	0.30	0.00	180.89	-0.04	0.00	0.00	0.00	82.22	2.75	66.41	0.19	17.60	N/A	N/A	N/A	N/A
767	7.67	3.25	38.94	5.00	2.97E-007	1.32E-003	12.00	43.70	27.00	32.07	50.54	59.84	0.00	0.00	0.00	0.30	0.00	182.36	-0.04	0.00	0.00	0.00	82.62	2.73	67.27	0.20	17.65	N/A	N/A	N/A	N/A
768	7.68	3.29	40.36	5.00	2.94E-007	1.33E-003	12.00	44.26	27.00	32.17	51.27	60.86	0.00	0.00	0.00	0.30	0.00	183.66	-0.05	0.00	0.00	0.00	83.04	2.74	68.23	0.22	17.70	N/A	N/A	N/A	N/A
769	7.69	3.32	40.71	5.00	3.01E-007	1.37E-003	12.00	44.67	27.00	32.18	51.54	61.22	0.00	0.00	0.00	0.30	0.00	184.14	-0.05	0.00	0.00	0.00	83.17	2.72	68.29	0.22	17.71	N/A	N/A	N/A	N/A
770	7.70	3.30	43.42	5.00	2.61E-007	1.18E-003	12.00	44.39	27.00	32.43	52.54	62.66	0.00	0.00	0.00	0.30	0.00	185.92	-0.05	0.00	0.00	0.00	84.10	2.85	70.84	0.27	17.78	N/A	N/A	N/A	N/A
771	7.71	3.27	47.86	5.00	2.11E-007	9.45E-004	12.00	43.97	26.00	32.82	54.10	64.92	0.00	0.00	0.00	0.30	0.00	188.67	-0.06	0.00	0.00	0.00	85.49	3.06	74.98	0.38	17.89	N/A	N/A	N/A	N/A
772	7.72	3.36	52.72	5.00	2.00E-007	9.23E-004	13.00	45.23	27.00	33.12	56.17	67.86	0.00	0.00	0.00	0.30	0.00	192.24	-0.06	0.00	0.00	0.00	86.59	3.11	78.30	0.51	18.01	N/A	N/A	N/A	N/A
773	7.73	3.66	61.26	5.00	2.24E-007	1.13E-003	14.00	49.43	28.00	33.47	60.13	73.48	0.00	0.00	0.00	0.30	0.00	198.90	-0.07	0.00	0.00	0.00	87.88	3.00	82.45	0.66	18.22	N/A	N/A	N/A	N/A
774	7.74	3.76	61.89	5.00	2.48E-007	1.29E-003	14.00	50.82	28.00	33.44	60.71	74.28	0.00	0.00	0.00	0.30	0.00	199.86	-0.07	0.00	0.00	0.00	87.89	2.90	82.04	0.66	18.24	N/A	N/A	N/A	N/A
775	7.75	3.79	63.00	5.00	2.48E-007	1.30E-003	14.00	51.24	29.00	33.49	61.21	74.98	0.00	0.00	0.00	0.30	0.00	200.68	-0.07	0.00	0.00	0.00	88.17	2.90	82.61	0.66	18.27	N/A	N/A	N/A	N/A
776	7.76	3.77	66.81	4.00	2.17E-007	1.12E-003	14.00	50.96	0.00	0.00	0.00	76.71	15.00	242.66	1.82	0.30	8.48	202.62	0.00	1.00	3.81	0.00	242.66	3.03	85.65	0.58	18.33	N/A	N/A	N/A	N/A
777	7.77	3.74	67.79	4.00	2.02E-007	1.04E-003	14.00	50.54	0.00	0.00	0.00	77.06	15.00	240.64	1.80	0.30	8.39	203.00	0.00	1.00	3.73	0.00	240.64	3.10	86.64	0.58	18.34	N/A	N/A	N/A	N/A
778	7.78	3.64	67.76	4.00	1.78E-007	8.94E-004	14.00	49.13	0.00	0.00	0.00	76.61	15.00	233.97	1.75	0.30	8.13	202.47	0.00	1.00	3.63	0.00	233.97	3.23	87.56	0.58	18.33	N/A	N/A	N/A	N/A
779	7.79	3.58	67.88	4.00	1.64E-007	8.08E-004	14.00	48.29	0.00	0.00	0.00	76.42	15.00	229.95	1.72	0.30	7.97	202.24	0.00	1.00	3.56	0.00	229.95	3.32	88.22	0.58	18.33	N/A	N/A	N/A	N/A
780	7.80	3.53	68.07	4.00	1.53E-007	7.40E-004	14.00	47.59	0.00	0.00	0.00	76.30	15.00	226.61	1.69	0.30	7.84	202.09	0.00	1.00	3.50	0.00	226.61	3.40	88.85	0.58	18.33	N/A	N/A	N/A	N/A
781	7.81	3.44	68.96	4.00	1.32E-007	6.23E-004	13.00	46.32	0.00	0.00	0.00	76.29	15.00	220.59	1.64	0.30	7.60	202.05	0.00	1.00	3.36	0.00	220.59	3.57	90.45	0.58	18.33	N/A	N/A	N/A	N/A
782	7.82	3.40	69.65	4.00	1.22E-007	5.70E-004	13.00	45.76	0.00	0.00	0.00	76.43	15.00	217.91	1.62	0.30	7.49	202.21	0.00	1.00	3.29	0.00	217.91	3.66	91.39	0.58	18.34	N/A	N/A	N/A	N/A
783	7.83	3.32	70.69	4.00	1.06E-007	4.83E-004	13.00	44.64	0.00	0.00	0.00	76.52	15.00	212.57	1.58	0.30	7.28	202.28	0.00	1.00	3.16	0.00	212.57	3.83	93.05	0.58	18.35	N/A	N/A	N/A	N/A
784	7.84	3.11	71.38	4.00	7.68E-008	3.26E-004	13.00	41.70	0.00	0.00	0.00	75.73	15.00	198.55	1.47	0.30	6.76	201.30	0.00	1.00	2.92	0.00	198.55	4.26	95.95	0.58	18.33	N/A	N/A	N/A	N/A
785	7.85	2.96	70.12	4.00	6.30E-008	2.54E-004	12.00	39.59	0.00	0.00	0.00	74.37	15.00	188.54	1.40	0.30	6.39	199.71	0.00	1.00	2.82	0.00	188.54	4.54	96.68	0.58	18.29	N/A	N/A	N/A	N/A
786	7.86	2.55	66.05	4.00	3.51E-008	1.21E-004	11.00	33.85	0.00	0.00	0.00	70.18	15.00	161.19	1.19	0.30	5.41	194.66	0.00	1.00	2.56	0.00	161.19	5.45	98.27	0.58	18.17	N/A	N/A	N/A	N/A
787	7.87	2.32	63.72	4.00	2.41E-008	7.52E-005	11.00	30.63	0.00	0.00	0.00	67.70	15.00	145.84	1.08	0.30	4.86	191.61	0.00	1.00	2.40	0.00	145.84	6.12	99.06	0.58	18.09	N/A	N/A	N/A	N/A
788	7.88	1.92	63.63	3.00	1.01E-008	2.43E-005	10.00	23.55	0.00	0.00	0.00	64.44	15.00	119.16	0.88	0.30	3.95	187.32	0.00	1.00	1.97	0.00	119.16	7.88	103.86	0.58	18.02	N/A	N/A	N/A	N/A
789	7.89	1.75	64.83	3.00	6.36E-009	1.25E-005	9.00	19.25	0.00	0.00	0.00	63.36	15.00	107.81	0.79	0.30	3.57	185.81	0.00	1.00	1.75	0.00	107.81	8.97	106.82	0.48	18.00	N/A	N/A	N/A	N/A
790	7.90	1.61	66.15	3.00	4.15E-009	6.79E-006	9.00	16.04	0.00	0.00	0.00	62.48	15.00	98.47	0.72	0.30	3.26	184.57	0.00	1.00	1.56	0.00	98.47	10.07	109.39	0.49	17.99	N/A	N/A	N/A	N/A
791	7.91	1.46	68.86	3.00	2.43E-009	3.20E-006	8.00	12.93	0.00	0.00	0.00	61.87	15.00	88.45	0.65	0.30	2.92	183.61	0.00	1.00	1.35	0.00	88.45	11.60	113.01	0.51	18.00	N/A	N/A	N/A	N/A
792	7.92	1.46	68.86	3.00	2.42E-009	3.19E-006	8.00	12.91	0.00	0.00	0.00	61.90	15.00	88.44	0.65	0.30	2.92	183.66	0.00	1.00	1.35	0.00	88.44	11.61	112.96	0.50	18.00	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
793	7.93	1.46	68.86	3.00	2.41E-009	3.17E-006	8.00	12.88	0.00	0.00	0.00	61.93	15.00	88.43	0.65	0.30	2.91	183.71	0.00	1.00	1.35	0.00	88.43	11.62	112.90	0.50	18.00	N/A	N/A	N/A	N/A
794	7.94	1.68	62.11	3.00	5.59E-009	9.95E-006	9.00	17.47	0.00	0.00	0.00	61.77	15.00	103.04	0.75	0.30	3.39	183.81	0.00	1.00	1.74	0.00	103.04	9.30	105.09	0.45	17.94	N/A	N/A	N/A	N/A
795	7.95	1.66	63.15	3.00	5.11E-009	8.85E-006	9.00	17.00	0.00	0.00	0.00	62.01	15.00	101.70	0.74	0.30	3.34	184.09	0.00	1.00	1.69	0.00	101.70	9.53	106.14	0.46	17.95	N/A	N/A	N/A	N/A
796	7.96	1.67	61.67	3.00	5.47E-009	9.58E-006	9.00	17.19	0.00	0.00	0.00	61.57	15.00	102.36	0.75	0.30	3.36	183.55	0.00	1.00	1.74	0.00	102.36	9.35	104.74	0.45	17.93	N/A	N/A	N/A	N/A
797	7.97	1.74	60.76	3.00	6.77E-009	1.30E-005	9.00	18.77	0.00	0.00	0.00	61.93	15.00	107.01	0.78	0.30	3.51	184.10	0.00	1.00	1.85	0.00	107.01	8.82	103.15	0.44	17.93	N/A	N/A	N/A	N/A
798	7.98	2.03	58.39	3.00	1.47E-008	3.91E-005	10.00	26.13	0.00	0.00	0.00	63.60	15.00	126.34	0.92	0.30	4.14	186.49	0.00	1.00	2.27	0.00	126.34	7.08	97.65	0.58	17.94	N/A	N/A	N/A	N/A
799	7.99	2.19	57.76	4.00	2.11E-008	6.18E-005	10.00	28.77	0.00	0.00	0.00	64.66	15.00	136.99	1.00	0.30	4.48	187.96	0.00	1.00	2.49	0.00	136.99	6.37	95.11	0.58	17.95	N/A	N/A	N/A	N/A
800	8.00	2.33	57.20	4.00	2.86E-008	8.96E-005	11.00	30.73	0.00	0.00	0.00	65.39	15.00	146.31	1.06	0.30	4.80	188.94	0.00	1.00	2.69	0.00	146.31	5.81	92.97	0.58	17.97	N/A	N/A	N/A	N/A
801	8.01	2.40	56.63	4.00	3.34E-008	1.08E-004	11.00	31.70	0.00	0.00	0.00	65.61	15.00	150.97	1.09	0.30	4.96	189.27	0.00	1.00	2.80	0.00	150.97	5.54	91.63	0.58	17.97	N/A	N/A	N/A	N/A
802	8.02	2.47	55.18	4.00	3.99E-008	1.33E-004	11.00	32.68	0.00	0.00	0.00	65.41	15.00	155.63	1.13	0.30	5.12	189.08	0.00	1.00	2.96	0.00	155.63	5.24	89.52	0.58	17.95	N/A	N/A	N/A	N/A
803	8.03	2.53	52.59	4.00	4.86E-008	1.66E-004	11.00	33.52	0.00	0.00	0.00	64.58	15.00	159.61	1.15	0.30	5.27	188.12	0.00	1.00	3.19	0.00	159.61	4.93	86.51	0.58	17.90	N/A	N/A	N/A	N/A
804	8.04	2.55	51.30	4.00	5.25E-008	1.81E-004	11.00	33.80	0.00	0.00	0.00	64.11	15.00	160.94	1.16	0.30	5.31	187.56	0.00	1.00	3.29	0.00	160.94	4.81	85.10	0.58	17.88	N/A	N/A	N/A	N/A
805	8.05	2.61	49.79	4.00	6.16E-008	2.17E-004	11.00	34.63	0.00	0.00	0.00	63.74	15.00	164.92	1.19	0.30	5.45	187.16	0.00	1.00	3.48	0.00	164.92	4.57	83.03	0.58	17.85	N/A	N/A	N/A	N/A
806	8.06	2.64	49.16	4.00	6.62E-008	2.37E-004	11.00	35.05	0.00	0.00	0.00	63.63	15.00	166.91	1.20	0.30	5.52	187.05	0.00	1.00	3.57	0.00	166.91	4.47	82.10	0.58	17.84	N/A	N/A	N/A	N/A
807	8.07	2.69	47.67	4.00	7.61E-008	2.77E-004	11.00	35.75	0.00	0.00	0.00	63.19	15.00	170.23	1.22	0.30	5.63	186.54	0.00	1.00	3.75	0.00	170.23	4.27	80.16	0.58	17.81	N/A	N/A	N/A	N/A
808	8.08	2.72	46.32	4.00	8.40E-008	3.10E-004	11.00	36.17	0.00	0.00	0.00	62.69	15.00	172.22	1.24	0.30	5.70	185.95	0.00	1.00	3.90	0.00	172.22	4.14	78.58	0.52	17.78	N/A	N/A	N/A	N/A
809	8.09	2.75	43.67	4.00	9.78E-008	3.65E-004	11.00	36.58	0.00	0.00	0.00	61.48	15.00	174.21	1.25	0.30	5.77	184.48	0.00	1.00	4.19	0.00	174.21	3.94	75.77	0.41	17.72	N/A	N/A	N/A	N/A
810	8.10	2.79	38.53	4.00	1.29E-007	4.90E-004	11.00	37.14	0.00	0.00	0.00	58.87	15.00	176.87	1.27	0.30	5.88	181.24	0.00	1.00	4.82	0.00	176.87	3.59	70.45	0.26	17.58	N/A	N/A	N/A	N/A
811	8.11	2.80	36.04	4.00	1.47E-007	5.58E-004	11.00	37.28	0.00	0.00	0.00	57.51	15.00	177.52	1.27	0.30	5.91	179.51	0.00	1.00	5.17	0.00	177.52	3.45	67.90	0.21	17.51	N/A	N/A	N/A	N/A
812	8.12	2.81	34.84	4.00	1.57E-007	6.00E-004	11.00	37.42	0.00	0.00	0.00	56.87	15.00	178.18	1.27	0.30	5.93	178.71	0.00	1.00	5.37	0.00	178.18	3.37	66.61	0.19	17.47	N/A	N/A	N/A	N/A
813	8.13	2.82	34.46	4.00	1.62E-007	6.21E-004	11.00	37.55	0.00	0.00	0.00	56.72	15.00	178.83	1.28	0.30	5.95	178.53	0.00	1.00	5.45	0.00	178.83	3.33	66.13	0.19	17.46	N/A	N/A	N/A	N/A
814	8.14	2.84	33.64	5.00	1.74E-007	6.71E-004	11.00	37.83	24.00	31.85	48.20	56.35	0.00	0.00	0.00	0.30	0.00	178.08	-0.04	0.00	0.00	0.00	87.15	3.26	65.12	0.17	17.43	N/A	N/A	N/A	N/A
815	8.15	2.93	30.80	5.00	2.31E-007	9.20E-004	11.00	39.09	24.00	31.46	47.31	55.03	0.00	0.00	0.00	0.30	0.00	176.42	-0.03	0.00	0.00	0.00	85.94	2.97	61.51	0.13	17.34	N/A	N/A	N/A	N/A
816	8.16	2.98	29.51	5.00	2.66E-007	1.08E-003	11.00	39.79	25.00	31.27	46.92	54.45	0.00	0.00	0.00	0.30	0.00	175.71	-0.03	0.00	0.00	0.00	85.40	2.83	59.83	0.11	17.30	N/A	N/A	N/A	N/A
817	8.17	3.04	28.88	5.00	3.01E-007	1.25E-003	11.00	40.62	25.00	31.14	46.87	54.33	0.00	0.00	0.00	0.30	0.00	175.60	-0.02	0.00	0.00	0.00	85.09	2.72	58.77	0.10	17.28	N/A	N/A	N/A	N/A
818	8.18	3.19	29.39	5.00	3.63E-007	1.58E-003	11.00	42.72	26.00	31.09	47.63	55.34	0.00	0.00	0.00	0.30	0.00	177.03	-0.02	0.00	0.00	0.00	85.00	2.56	58.28	0.10	17.32	N/A	N/A	N/A	N/A
819	8.19	3.25	29.98	5.00	3.82E-007	1.70E-003	12.00	43.56	26.00	31.11	48.13	56.01	0.00	0.00	0.00	0.30	0.00	177.95	-0.02	0.00	0.00	0.00	85.18	2.52	58.46	0.10	17.35	N/A	N/A	N/A	N/A
820	8.20	3.30	30.77	5.00	3.92E-007	1.77E-003	12.00	44.26	26.00	31.16	48.68	56.77	0.00	0.00	0.00	0.30	0.00	178.97	-0.02	0.00	0.00	0.00	85.45	2.50	58.89	0.10	17.39	N/A	N/A	N/A	N/A
821	8.21	3.41	32.51	5.00	4.15E-007	1.94E-003	12.00	45.80	26.00	31.27	49.85	58.38	0.00	0.00	0.00	0.30	0.00	181.10	-0.03	0.00	0.00	0.00	85.92	2.45	59.82	0.11	17.46	N/A	N/A	N/A	N/A
822	8.22	3.46	33.36	5.00	4.24E-007	2.01E-003	12.00	46.49	27.00	31.32	50.41	59.16	0.00	0.00	0.00	0.30	0.00	182.12	-0.03	0.00	0.00	0.00	86.21	2.44	60.28	0.12	17.50	N/A	N/A	N/A	N/A
823	8.23	3.56	34.34	5.00	4.59E-007	2.24E-003	12.00	47.89	27.00	31.35	51.18	60.22	0.00	0.00	0.00	0.30	0.00	183.51	-0.03	0.00	0.00	0.00	86.43	2.38	60.57	0.12	17.54	N/A	N/A	N/A	N/A
824	8.24	3.61	34.56	5.00	4.83E-007	2.39E-003	13.00	48.59	27.00	31.34	51.46	60.59	0.00	0.00	0.00	0.30	0.00	184.01	-0.03	0.00	0.00	0.00	86.50	2.34	60.49	0.12	17.56	N/A	N/A	N/A	N/A
825	8.25	3.72	35.28	5.00	5.33E-007	2.73E-003	13.00	50.13	28.00	31.35	52.14	61.51	0.00	0.00	0.00	0.30	0.00	185.22	-0.03	0.00	0.00	0.00	86.63	2.27	60.54	0.12	17.59	N/A	N/A	N/A	N/A
826	8.26	3.79	35.91	5.00	5.62E-007	2.93E-003	13.00	51.10	28.00	31.37	52.65	62.21	0.00	0.00	0.00	0.30	0.00	186.12	-0.03	0.00	0.00	0.00	86.81	2.23	60.72	0.12	17.62	N/A	N/A	N/A	N/A
827	8.27	3.84	36.54	5.00	5.78E-007	3.05E-003	13.00	51.80	28.00	31.40	53.10	62.83	0.00	0.00	0.00	0.30	0.00	186.91	-0.03	0.00	0.00	0.00	87.02	2.21	60.99	0.12	17.64	N/A	N/A	N/A	N/A
828	8.28	3.93	37.87	5.00	6.04E-007	3.27E-003	13.00	53.06	28.00	31.47	53.96	64.04	0.00	0.00	0.00	0.30	0.00	188.43	-0.03	0.00	0.00	0.00	87.37	2.18	61.64	0.13	17.69	N/A	N/A	N/A	N/A
829	8.29	3.95	38.43	5.00	6.01E-007	3.27E-003	13.00	53.34	28.00	31.51	54.29	64.49	0.00	0.00	0.00	0.30	0.00	188.99	-0.03	0.00	0.00	0.00	87.61	2.19	61.97	0.13	17.71	N/A	N/A	N/A	N/A
830	8.30	3.91	39.95	5.00	5.37E-007	2.89E-003	13.00	52.77	28.00	31.65	54.83	65.29	0.00	0.00	0.00	0.30	0.00	189.94	-0.03	0.00	0.00	0.00	88.22	2.26	63.29	0.15	17.75	N/A	N/A	N/A	N/A
831	8.31	3.84	41.21	5.00	4.68E-007	2.47E-003	13.00	51.79	28.00	31.79	55.17	65.80	0.00	0.00	0.00	0.30	0.00	190.53	-0.04	0.00	0.00	0.00	88.82	2.36	64.60	0.16	17.78	N/A	N/A	N/A	N/A
832	8.32	3.72	42.88	5.00	3.77E-007	1.92E-003	13.00	50.11	27.00	32.00	55.51	66.32	0.00	0.00	0.00	0.30	0.00	191.10	-0.04	0.00	0.00	0.00	89.65	2.53	66.60	0.19	17.82	N/A	N/A	N/A	N/A
833	8.33	3.32	46.92	5.00	1.90E-007	8.64E-004	13.00	44.51	26.00	32.63	55.78	66.88	0.00	0.00	0.00	0.30	0.00	191.58	-0.05	0.00	0.00	0.00	91.95	3.16	72.91	0.32	17.88	N/A	N/A	N/A	N/A
834	8.34	3.07	50.92	4.00	1.14E-007	4.77E-004	12.00	41.00	0.00	0.00	0.00	67.83	15.00	195.25	1.36	0.30	6.30	192.59	0.00	1.00	4.03	0.00	195.25	3.74	78.64	0.52	17.94	N/A	N/A	N/A	N/A
835	8.35	2.84	55.52	4.00	6.76E-008	2.60E-004	12.00	37.78	0.00	0.00	0.00	68.97	15.00	179.91	1.25	0.30	5.74	193.83	0.00	1.00	3.40	0.00	179.91	4.44	84.94	0.58	18.01	N/A	N/A	N/A	N/A
836	8.36	2.54	65.83	4.00	2.90E-008	9.93E-005	11.00	33.58	0.00	0.00	0.00	72.04	15.00	159.89	1.11	0.30	5.02	197.26	0.00	1.00	2.55	0.00	159.89	5.78	96.70	0.58	18.16	N/A	N/A	N/A	N/A
837	8.37	2.49	71.73	4.00	2.23E-008	7.49E-005	12.00	32.88	0.00	0.00	0.00	74.32	15.00	156.55	1.08	0.30	4.88	199.86	0.00	1.00	2.29	0.00	156.55	6.26	101.81	0.58	18.25	N/A	N/A	N/A	N/A
838	8.38	2.53	78.32	3.00	2.03E-008	6.93E-005	12.00	33.43	0.00	0.00	0.00	77.33	15.00	159.21	1.10	0.30	4.96	203.27	0.00	1.00	2.13	0.00	159.21	6.44	106.33	0.58	18.36	N/A	N/A	N/A	N/A
839	8.39	2.90	95.03	4.00	2.63E-008	1.03E-004	13.00	38.61	0.00	0.00	0.00	86.55	15.00	183.87	1.27	0.30	5.74	213.45	0.00	1.00	2.03	0.00	183.87	5.96	113.93	0.58	18.64	N/A	N/A	N/A	N/A
840	8.40	3.30	97.24	4.00	4.59E-008	2.07E-004	14.00	44.21	0.00	0.00	0.00	89.95	15.00	210.53	1.45	0.30	6.63	217.16	0.00	1.00	2.27	0.00	210.53	5.02	110.89	0.58	18.71	N/A	N/A	N/A	N/A
841	8.41	3.85	93.90	4.00	1.01E-007	5.33E-004	15.00	51.91	0.00	0.00	0.00	91.72	15.00	247.19	1.70	0.30	7.90	219.17	0.00	1.00	2.76	0.00	247.19	3.90	102.62	0.58	18.73	N/A	N/A	N/A	N/A
842	8.42	4.61	90.59	5.00	2.48E-007	1.58E-003	17.00	62.55	30.00	34.33	74.72	94.00	0.00	0.00	0.00	0.30	0.00	221.72	-0.09	0.00	0.00	0.00	99.22	2.90	93.40	0.68	18.76	N/A	N/A	N/A	N/A
843	8.43	4.87	89.80	5.00	3.24E-007	2.19E-003	18.00	66.19	31.00	34.15	75.33	94.83	0.00	0.00	0.00	0.30	0.00	222.63	-0.09	0.00	0.00	0.00	98.67	2.66	90.95	0.68	18.77	N/A	N/A	N/A	N/A
844	8.44	5.06	86.99	5.00	4.10E-007	2.88E-003	18.00	68.84	32.00	33.92	75.09	94.42	0.00	0.00	0.00	0.30	0.00	222.28	-0.08	0.00	0.00	0.00	97.96	2.46	88.01	0.67	18.75	N/A	N/A	N/A	N/A
845	8.45	5.03	84.22	5.00	4.24E-007	2.96E-003	18.00	68.42	32.00	33.81	74.20	93.09	0.00	0.00	0.00	0.30	0.00	220.95	-0.08	0.00	0.00	0.00	97.66	2.44	86.54	0.67	18.71	N/A	N/A	N/A	N/A
846	8.46	4.74	77.41	5.00	3.78E-007	2.48E-003	17.00	64.36	31.00	33.61	71.26	88.83	0.00	0.00	0.00	0.30	0.00	216.53	-0.08	0.00	0.00	0.00	97.07	2.53	84.16	0.66	18.59	N/A	N/A	N/A	N/A
847	8.47	4.52	73.37	5.00	3.35E-007	2.09E-003	16.00	61.28	30.00	33.52	69.34	86.07	0.00	0.00	0.00	0.30	0.00	213.59	-0.07	0.00	0.00	0.00	96.85	2.63	83.01	0.66	18.51	N/A	N/A	N/A	N/A
848	8.48	3.96	69.05	4.00	2.03E-007	1.11E-003	15.00	53.43	0.00	0.00	0.00	81.63	15.00	254.44	1.74	0.30	8.17	208.69	0.00	1.00	3.87	0.00	254.44	3.10	84.33	0.58	18.39	N/A	N/A	N/A	N/A
849	8.49	3.63	69.37	4.00	1.34E-007	6.66E-004	14.00	48.81	0.00	0.00	0.00	80.27	15.00	232.42	1.59	0.30	7.39	207.11	0.00	1.00	3.52	0.00	232.42	3.55	87.52	0.58	18.36	N/A	N/A	N/A	N/A
850	8.50	3.34	70.75	4.00	8.72E-008	3.98E-004	14.00	44.75	0.00	0.00	0.00	79.49	15.00	213.08	1.45	0.30	6.71	206.14	0.00	1.00	3.16	0.00	213.08	4.09	91.42	0.58	18.35	N/A	N/A	N/A	N/A
851	8.51	3.01	74.35	4.00	4.86E-008	1.99E-004	13.00	40.12	0.00	0.00	0.00	79.32	15.00	191.06	1.30	0.30	5.94	205.82	0.00	1.00	2.70	0.00	191.06	4.93	97.62	0.58	18.37	N/A	N/A	N/A	N/A
852	8.52	2.96	76.02	4.00	4.28E-008	1.72E-004	13.00	39.42	0.00	0.00	0.00	79.79	15.00	187.71	1.28	0.30	5.82	206.33	0.00	1.00	2.59	0.00	187.71	5.13	99.37	0.58	18.39	N/A	N/A	N/A	N/A
853	8.53	3.61	71.38	4.00	1.22E-007	6.04E-004	14.00	48.52	0.00	0.00	0.00	81.28	15.00	231.04	1.57	0.30	7.30	208.23	0.00	1.00	3.40	0.00	231.04	3.66	89.11	0.58	18.39	N/A	N/A	N/A	N/A
854	8.54	4.11	69.33	5.00	2.35E-007	1.33E-003	15.00	55.52	28.00	33.53	66.98	82.69	0.00	0.00	0.00	0.30	0.00	209.94	-0.07	0.00	0.00	0.00	97.76	2.95	83.19	0.66	18.41	N/A	N/A	N/A	N/A
855	8.55	4.53	66.59	5.00	3.96E-007	2.48E-003	16.00	61.40	30.00	33.12	67.40	83.17	0.00	0.00	0.00	0.30	0.00	210.59	-0.07	0.00	0.00	0.00	96.37	2.49	78.38	0.51	18.40	N/A	N/A	N/A	N/A
856	8.56	4.85	68.55	5.00	5.12E-007	3.44E-003	17.00	65.87	31.00	33.08	69.02	85.44	0.00	0.00	0.00	0.30	0.00	213.10	-0.06	0.00	0.00	0.00	96.32	2.30	77.86	0.49	18.46	N/A	N/A	N/A	N/A
857	8.57	4.66	70.72	5.00	4.01E-007	2.58E-003	16.00	63.21	30.00	33.28	69.24	85.81	0.00	0.00	0.00	0.30	0.00	213.44	-0.07	0.00	0.00	0.00	97.20	2.48	80.23	0.60	18.48	N/A	N/A	N/A	N/A
858	8.58	4.35	72.99	5.00	2.74E-007	1.64E-003	16.00	58.87	29.00	33.58	69.08	85.65	0.00	0.00	0.00	0.30	0.00	213.19	-0.07	0.00	0.00	0.00	98.42	2.81	83.76	0.66	18.49	N/A	N/A	N/A	N/A

	In situ data								Estimations																			
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
859	8.59	3.43	75.99	4.00	8.37E-008	3.92E-004	14.00	45.98	0.00	0.00	0.00	82.72	15.00	218.97	1.48	0.30	6.82	209.76	0.00	1.00	3.03	0.00	218.97	4.14	94.14	0.58	18.44	N/A	N/A	N/A	N/A
860	8.60	3.00	77.94	4.00	4.23E-008	1.72E-004	13.00	39.96	0.00	0.00	0.00	81.22	15.00	190.29	1.28	0.30	5.84	207.98	0.00	1.00	2.56	0.00	190.29	5.15	100.11	0.58	18.42	N/A	N/A	N/A	N/A
861	8.61	2.63	80.09	3.00	2.15E-008	7.63E-005	12.00	34.78	0.00	0.00	0.00	79.80	15.00	165.60	1.11	0.30	5.01	206.25	0.00	1.00	2.17	0.00	165.60	6.33	105.64	0.58	18.40	N/A	N/A	N/A	N/A
862	8.62	2.11	83.96	3.00	7.21E-009	1.90E-005	11.00	25.89	0.00	0.00	0.00	76.76	15.00	130.92	0.88	0.30	3.95	202.46	0.00	1.00	1.64	0.00	130.92	8.67	114.26	0.58	18.37	N/A	N/A	N/A	N/A
863	8.63	1.98	85.64	3.00	5.17E-009	1.19E-005	10.00	22.54	0.00	0.00	0.00	76.12	15.00	122.24	0.82	0.30	3.69	201.62	0.00	1.00	1.50	0.00	122.24	9.50	116.75	0.57	18.37	N/A	N/A	N/A	N/A
864	8.64	1.88	87.91	3.00	3.86E-009	7.91E-006	10.00	20.12	0.00	0.00	0.00	75.91	15.00	115.56	0.77	0.30	3.48	201.29	0.00	1.00	1.38	0.00	115.56	10.27	119.25	0.59	18.38	N/A	N/A	N/A	N/A
865	8.65	1.85	90.65	3.00	3.37E-009	6.66E-006	10.00	19.40	0.00	0.00	0.00	76.58	15.00	113.55	0.76	0.30	3.42	202.01	0.00	1.00	1.32	0.00	113.55	10.65	121.35	0.61	18.41	N/A	N/A	N/A	N/A
866	8.66	1.79	106.82	3.00	2.10E-009	3.85E-006	10.00	18.03	0.00	0.00	0.00	81.25	15.00	109.54	0.73	0.30	3.29	207.09	0.00	1.00	1.08	0.00	109.54	12.06	132.31	0.71	18.59	N/A	N/A	N/A	N/A
867	8.67	1.86	111.55	3.00	2.30E-009	4.58E-006	11.00	19.58	0.00	0.00	0.00	83.62	15.00	114.20	0.76	0.30	3.43	209.72	0.00	1.00	1.07	0.00	114.20	11.78	134.57	0.74	18.65	N/A	N/A	N/A	N/A
868	8.68	1.99	114.55	3.00	2.97E-009	6.85E-006	11.00	22.63	0.00	0.00	0.00	86.11	15.00	122.86	0.82	0.30	3.68	212.51	0.00	1.00	1.13	0.00	122.86	11.01	135.17	0.76	18.71	N/A	N/A	N/A	N/A
869	8.69	2.46	115.08	3.00	7.77E-009	2.56E-005	13.00	32.38	0.00	0.00	0.00	91.24	15.00	154.19	1.03	0.30	4.62	218.24	0.00	1.00	1.41	0.00	154.19	8.49	130.68	0.58	18.79	N/A	N/A	N/A	N/A
870	8.70	2.80	113.03	3.00	1.44E-008	5.46E-005	13.00	37.14	0.00	0.00	0.00	93.70	15.00	176.85	1.18	0.30	5.29	221.00	0.00	1.00	1.64	0.00	176.85	7.12	125.52	0.58	18.82	N/A	N/A	N/A	N/A
871	8.71	3.73	105.53	4.00	6.24E-008	3.19E-004	16.00	50.16	0.00	0.00	0.00	97.25	15.00	238.85	1.59	0.30	7.29	224.95	0.00	1.00	2.38	0.00	238.85	4.55	110.53	0.58	18.85	N/A	N/A	N/A	N/A
872	8.72	4.20	101.37	4.00	1.18E-007	6.80E-004	17.00	56.74	0.00	0.00	0.00	98.10	15.00	270.17	1.79	0.30	8.35	225.94	0.00	1.00	2.80	0.00	270.17	3.71	103.10	0.58	18.85	N/A	N/A	N/A	N/A
873	8.73	4.56	98.85	4.00	1.81E-007	1.14E-003	17.00	61.77	0.00	0.00	0.00	98.82	15.00	294.16	1.95	0.30	9.16	226.75	0.00	1.00	3.12	0.00	294.16	3.22	98.21	0.58	18.85	N/A	N/A	N/A	N/A
874	8.74	4.45	97.24	4.00	1.66E-007	1.02E-003	17.00	60.23	0.00	0.00	0.00	97.68	15.00	286.82	1.90	0.30	8.91	225.61	0.00	1.00	3.10	0.00	286.82	3.31	98.16	0.58	18.83	N/A	N/A	N/A	N/A
875	8.75	4.13	94.27	4.00	1.24E-007	7.07E-004	16.00	55.75	0.00	0.00	0.00	94.95	15.00	265.47	1.75	0.30	8.18	222.82	0.00	1.00	2.96	0.00	265.47	3.64	99.21	0.58	18.76	N/A	N/A	N/A	N/A
876	8.76	3.33	93.52	4.00	4.59E-008	2.08E-004	14.00	44.54	0.00	0.00	0.00	90.43	15.00	212.12	1.40	0.30	6.39	217.99	0.00	1.00	2.38	0.00	212.12	5.02	106.86	0.58	18.67	N/A	N/A	N/A	N/A
877	8.77	2.99	94.27	4.00	2.70E-008	1.10E-004	14.00	39.78	0.00	0.00	0.00	88.72	15.00	189.43	1.25	0.30	5.63	216.10	0.00	1.00	2.11	0.00	189.43	5.91	110.92	0.58	18.64	N/A	N/A	N/A	N/A
878	8.78	2.73	95.44	3.00	1.74E-008	6.39E-005	13.00	36.14	0.00	0.00	0.00	87.23	15.00	172.09	1.13	0.30	5.10	214.39	0.00	1.00	1.89	0.00	172.09	6.75	114.57	0.58	18.62	N/A	N/A	N/A	N/A
879	8.79	2.35	96.95	3.00	8.50E-009	2.67E-005	12.00	30.81	0.00	0.00	0.00	84.45	15.00	146.74	0.96	0.30	4.34	211.17	0.00	1.00	1.59	0.00	146.74	8.28	119.77	0.58	18.58	N/A	N/A	N/A	N/A
880	8.80	2.14	96.20	3.00	5.60E-009	1.49E-005	11.00	26.02	0.00	0.00	0.00	82.18	15.00	132.72	0.87	0.30	3.92	208.56	0.00	1.00	1.45	0.00	132.72	9.29	121.43	0.63	18.53	N/A	N/A	N/A	N/A
881	8.81	1.87	94.84	3.00	3.08E-009	6.09E-006	10.00	19.41	0.00	0.00	0.00	78.87	15.00	114.71	0.75	0.30	3.38	204.69	0.00	1.00	1.27	0.00	114.71	10.91	123.06	0.62	18.46	N/A	N/A	N/A	N/A
882	8.82	1.49	92.29	3.00	1.11E-009	1.33E-006	9.00	11.77	0.00	0.00	0.00	73.40	15.00	89.36	0.59	0.30	2.63	198.10	0.00	1.00	1.02	0.00	89.36	14.17	124.35	0.60	18.35	N/A	N/A	N/A	N/A
883	8.83	1.37	90.18	3.00	8.81E-010	8.75E-007	9.00	9.74	0.00	0.00	0.00	71.09	15.00	81.35	0.53	0.30	2.39	195.27	0.00	1.00	0.95	0.00	81.35	15.50	123.67	0.59	18.29	N/A	N/A	N/A	N/A
884	8.84	1.31	89.04	3.00	8.07E-010	7.24E-007	8.00	8.79	0.00	0.00	0.00	69.88	15.00	77.34	0.51	0.30	2.27	193.78	0.00	1.00	0.91	0.00	77.34	16.26	123.21	0.58	18.26	N/A	N/A	N/A	N/A
885	8.85	1.28	86.49	3.00	7.86E-010	6.67E-007	8.00	8.33	0.00	0.00	0.00	68.65	15.00	75.33	0.49	0.30	2.21	192.28	0.00	1.00	0.91	0.00	75.33	16.50	121.64	0.56	18.21	N/A	N/A	N/A	N/A
886	8.86	1.25	84.06	3.00	7.63E-010	6.13E-007	8.00	7.88	0.00	0.00	0.00	67.44	15.00	73.31	0.48	0.30	2.15	190.80	0.00	1.00	0.92	0.00	73.31	16.76	120.12	0.55	18.17	N/A	N/A	N/A	N/A
887	8.87	1.20	77.31	3.00	7.49E-010	5.47E-007	8.00	7.17	0.00	0.00	0.00	64.47	15.00	69.97	0.46	0.30	2.05	187.13	0.00	1.00	0.95	0.00	69.97	16.94	115.74	0.50	18.06	N/A	N/A	N/A	N/A
888	8.88	1.17	73.50	3.00	7.38E-010	5.08E-007	8.00	6.76	0.00	0.00	0.00	62.75	15.00	67.96	0.44	0.30	1.99	184.96	0.00	1.00	0.97	0.00	67.96	17.07	113.16	0.48	17.99	N/A	N/A	N/A	N/A
889	8.89	1.15	67.92	3.00	7.58E-010	5.01E-007	8.00	6.48	0.00	0.00	0.00	60.52	15.00	66.61	0.43	0.30	1.95	182.14	0.00	1.00	1.03	0.00	66.61	16.83	109.20	0.44	17.89	N/A	N/A	N/A	N/A
890	8.90	1.15	65.99	3.00	7.75E-010	5.11E-007	7.00	6.47	0.00	0.00	0.00	59.85	15.00	66.59	0.43	0.30	1.94	181.30	0.00	1.00	1.06	0.00	66.59	16.63	107.73	0.43	17.86	N/A	N/A	N/A	N/A
891	8.91	1.14	64.23	3.00	7.76E-010	5.01E-007	7.00	6.33	0.00	0.00	0.00	59.09	15.00	65.92	0.43	0.30	1.92	180.32	0.00	1.00	1.08	0.00	65.92	16.61	106.42	0.42	17.83	N/A	N/A	N/A	N/A
892	8.92	1.14	64.23	3.00	7.75E-010	5.00E-007	7.00	6.32	0.00	0.00	0.00	59.12	15.00	65.90	0.43	0.30	1.92	180.36	0.00	1.00	1.08	0.00	65.90	16.63	106.37	0.42	17.83	N/A	N/A	N/A	N/A
893	8.93	1.14	64.23	3.00	7.74E-010	4.98E-007	7.00	6.32	0.00	0.00	0.00	59.14	15.00	65.89	0.43	0.30	1.92	180.40	0.00	1.00	1.08	0.00	65.89	16.64	106.32	0.42	17.83	N/A	N/A	N/A	N/A
894	8.94	1.81	49.38	3.00	8.34E-009	1.51E-005	9.00	17.75	0.00	0.00	0.00	60.82	15.00	110.52	0.71	0.30	3.21	183.60	0.00	1.00	2.35	0.00	110.52	8.33	89.12	0.58	17.70	N/A	N/A	N/A	N/A
895	8.95	1.79	49.06	3.00	7.98E-009	1.41E-005	9.00	17.30	0.00	0.00	0.00	60.52	15.00	109.18	0.70	0.30	3.17	183.19	0.00	1.00	2.34	0.00	109.18	8.43	89.01	0.58	17.69	N/A	N/A	N/A	N/A
896	8.96	1.59	48.11	3.00	4.74E-009	6.43E-006	8.00	13.31	0.00	0.00	0.00	58.14	15.00	95.83	0.62	0.30	2.78	179.91	0.00	1.00	2.09	0.00	95.83	9.72	90.02	0.31	17.62	N/A	N/A	N/A	N/A
897	8.97	1.47	48.62	3.00	3.21E-009	3.65E-006	8.00	11.17	0.00	0.00	0.00	57.13	15.00	87.82	0.57	0.30	2.54	178.42	0.00	1.00	1.90	0.00	87.82	10.79	91.46	0.31	17.60	N/A	N/A	N/A	N/A
898	8.98	1.27	51.20	3.00	1.45E-009	1.19E-006	8.00	8.02	0.00	0.00	0.00	55.93	15.00	74.47	0.48	0.30	2.15	176.52	0.00	1.00	1.53	0.00	74.47	13.24	95.08	0.33	17.61	N/A	N/A	N/A	N/A
899	8.99	1.17	52.24	3.00	9.60E-010	6.50E-007	7.00	6.64	0.00	0.00	0.00	55.08	15.00	67.79	0.44	0.30	1.96	175.22	0.00	1.00	1.36	0.00	67.79	14.78	96.50	0.34	17.60	N/A	N/A	N/A	N/A
900	9.00	1.11	52.88	3.00	8.45E-010	5.06E-007	7.00	5.87	0.00	0.00	0.00	54.53	15.00	63.78	0.41	0.30	1.84	174.37	0.00	1.00	1.27	0.00	63.78	15.86	97.29	0.34	17.59	N/A	N/A	N/A	N/A
901	9.01	0.97	57.35	3.00	5.83E-010	2.54E-007	7.00	4.27	0.00	0.00	0.00	54.15	15.00	54.44	0.35	0.30	1.57	173.55	0.00	1.00	1.00	0.00	54.44	19.38	101.39	0.37	17.64	N/A	N/A	N/A	N/A
902	9.02	0.89	61.86	2.00	4.49E-010	1.59E-007	6.00	3.47	0.00	0.00	0.00	54.42	15.00	49.10	0.31	0.30	1.41	173.72	0.00	1.00	0.83	0.00	49.10	22.29	105.03	0.40	17.69	N/A	N/A	N/A	N/A
903	9.03	0.81	66.09	2.00	3.40E-010	9.53E-008	6.00	2.75	0.00	0.00	0.00	54.35	15.00	43.75	0.28	0.30	1.26	173.41	0.00	1.00	0.70	0.00	43.75	25.82	108.30	0.42	17.73	N/A	N/A	N/A	N/A
904	9.04	0.72	69.59	2.00	2.44E-010	5.10E-008	6.00	2.05	0.00	0.00	0.00	53.55	15.00	37.74	0.24	0.30	1.08	172.07	0.00	1.00	0.57	0.00	37.74	30.70	110.98	0.44	17.74	N/A	N/A	N/A	N/A
905	9.05	0.68	70.60	2.00	2.09E-010	3.77E-008	6.00	1.76	0.00	0.00	0.00	52.94	15.00	35.07	0.22	0.30	1.01	171.10	0.00	1.00	0.52	0.00	35.07	33.31	111.75	0.45	17.74	N/A	N/A	N/A	N/A
906	9.06	0.67	69.30	2.00	2.05E-010	3.53E-008	6.00	1.70	0.00	0.00	0.00	52.31	15.00	34.39	0.22	0.30	0.99	170.22	0.00	1.00	0.52	0.00	34.39	33.72	110.79	0.44	17.71	N/A	N/A	N/A	N/A
907	9.07	0.67	68.10	2.00	2.07E-010	3.57E-008	6.00	1.69	0.00	0.00	0.00	51.96	15.00	34.38	0.22	0.30	0.98	169.75	0.00	1.00	0.53	0.00	34.38	33.49	109.87	0.43	17.69	N/A	N/A	N/A	N/A
908	9.08	0.68	67.06	2.00	2.17E-010	3.89E-008	6.00	1.76	0.00	0.00	0.00	51.90	15.00	35.03	0.22	0.30	1.00	169.71	0.00	1.00	0.55	0.00	35.03	32.65	109.04	0.43	17.68	N/A	N/A	N/A	N/A
909	9.09	0.72	64.01	2.00	2.60E-010	5.38E-008	6.00	2.03	0.00	0.00	0.00	51.88	15.00	37.69	0.24	0.30	1.08	169.82	0.00	1.00	0.62	0.00	37.69	29.72	106.67	0.41	17.65	N/A	N/A	N/A	N/A
910	9.10	0.75	61.20	2.00	2.98E-010	6.83E-008	6.00	2.25	0.00	0.00	0.00	51.63	15.00	39.69	0.25	0.30	1.13	169.58	0.00	1.00	0.68	0.00	39.69	27.67	104.46	0.39	17.61	N/A	N/A	N/A	N/A
911	9.11	0.79	57.32	2.00	3.56E-010	9.28E-008	6.00	2.56	0.00	0.00	0.00	51.13	15.00	42.36	0.27	0.30	1.21	169.02	0.00	1.00	0.78	0.00	42.36	25.19	101.37	0.36	17.56	N/A	N/A	N/A	N/A
912	9.12	0.92	46.35	3.00	6.05E-010	2.29E-007	6.00	3.71	0.00	0.00	0.00	49.30	15.00	51.05	0.32	0.30	1.45	166.85	0.00	1.00	1.16	0.00	51.05	19.01	92.11	0.29	17.37	N/A	N/A	N/A	N/A
913	9.13	0.94	41.78	3.00	6.90E-010	2.75E-007	6.00	3.91	0.00	0.00	0.00	47.71	15.00	52.43	0.33	0.30	1.49	164.67	0.00	1.00	1.32	0.00	52.43	17.71	88.01	0.26	17.26	N/A	N/A	N/A	N/A
914	9.14	0.95	37.87	3.00	7.63E-010	3.12E-007	6.00	4.01	0.00	0.00	0.00	46.13	15.00	53.12	0.34	0.30	1.51	162.44	0.00	1.00	1.47	0.00	53.12	16.77	84.36	0.24	17.15	N/A	N/A	N/A	N/A
915	9.15	0.95	33.04	3.00	8.46E-010	3.45E-007	6.00	4.00	0.00	0.00	0.00	43.85	15.00	53.12	0.34	0.30	1.51	159.11	0.00	1.00	1.69	0.00	53.12	15.85	79.65	0.21	16.99	N/A	N/A	N/A	N/A
916	9.16	0.92	31.40	3.00	8.16E-010	3.08E-007	6.00	3.70	0.00	0.00	0.00	42.63	15.00	51.11	0.32	0.30	1.45	157.20	0.00	1.00	1.71	0.00	51.11	16.17	78.08	0.20	16.92	N/A	N/A	N/A	N/A
917	9.17	0.89	29.83	3.00	7.85E-010	2.73E-007	6.00	3.41	0.00	0.00	0.00	41.42	15.00	49.10	0.31	0.30	1.39	155.28	0.00	1.00	1.73	0.00	49.10	16.51	76.53	0.19	16.85	N/A	N/A	N/A	N/A
918	9.18	0.85	25.54	3.00	7.90E-010	2.46E-007	6.00	3.05	0.00	0.00	0.00	38.59	15.00	46.42	0.29	0.30	1.31	150.76	0.00	1.00	1.91	0.00	46.42	16.45	71.99	0.16	16.66	N/A	N/A	N/A	N/A
919	9.19	0.84	24.06	3.00	8.02E-010	2.42E-007	5.00	2.96	0.00	0.00	0.00	37.64	15.00	45.74	0.29	0.30	1.29	149.22	0.00	1.00	2.00	0.00	45.74	16.32	70.31	0.15	16.58	N/A	N/A	N/A	N/A
920	9.20	0.81	23.49	3.00	7.49E-010	2.06E-007	5.00	2.70	0.00	0.00	0.00	36.90	15.00	43.73	0.27	0.30	1.23	147.94	0.00	1.00	1.95	0.00	43.73	16.94	69.70	0.15	16.54	N/A	N/A	N/A	N/A
921	9.21	0.79	24.15	3.00	6.91E-010	1.79E-007	5.00	2.53	0.00	0.00	0.00	36.99	15.00	42.39	0.27	0.30	1.20	148.01	0.00	1.00	1.84	0.00	42.39	17.69	70.49	0.15	16.56	N/A	N/A	N/A	N/A
922	9.22	0.76	24.94	3.00	6.15E-010	1.44E-007	5.00	2.30	0.00	0.00	0.00	36.97	15.00	40.38	0.25	0.30	1.14	147.88	0.00	1.00	1.70	0.00	40.38	18.83	71.42	0.16	16.59	N/A	N/A	N/A	N/A
923	9.23	0.87	26.36	3.00	8.09E-010	2.64E-007	6.00	3.21	0.00	0.00	0.00	39.41	15.00	47.73	0.30	0.30	1.34	152.16	0.00	1.00	1.90	0.00	47.73	16.24	72.70	0.16	16.70	N/A	N/A	N/A	N/A
924	9.24	2.00	29.07	4.00	2.89E-008	6.30E-005	9.00	21.36	0.00	0.00	0.00	52.34	15.00	123.09	0.77	0.30	3.47	173.12	0.00	1.00	4.45	0.00	123.09	5.79	66.95	0.20	17.13	N/A	N/A	N/A	N/A

	In situ data									Estimations																			
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
925	9.25	2.84	29.42	4.00	1.50E-007	5.75E-004	11.00	37.61	0.00	0.00	0.00	57.05	15.00	179.10	1.12	0.30	5.26	179.97	0.00	1.00	6.39	0.00	179.10	3.42	59.95	0.11	17.28	N/A	N/A	N/A	N/A
926	9.26	3.77	29.32	5.00	5.63E-007	2.91E-003	13.00	50.69	26.00	30.61	52.21	60.87	0.00	0.00	0.00	0.30	0.00	185.34	-0.01	0.00	0.00	0.00	94.89	2.23	54.37	0.07	17.38	N/A	N/A	N/A	N/A
927	9.27	5.11	33.07	5.00	1.87E-006	1.38E-002	16.00	72.14	31.00	30.76	57.56	68.10	0.00	0.00	0.00	0.30	0.00	194.61	-0.02	0.00	0.00	0.00	95.57	1.62	55.58	0.08	17.64	N/A	N/A	N/A	N/A
928	9.28	5.29	35.85	5.00	1.92E-006	1.46E-002	16.00	74.37	32.00	30.96	59.33	70.62	0.00	0.00	0.00	0.30	0.00	197.58	-0.02	0.00	0.00	0.00	96.44	1.61	57.22	0.09	17.74	N/A	N/A	N/A	N/A
929	9.29	5.35	43.83	5.00	1.44E-006	1.07E-002	17.00	72.63	32.00	31.42	63.09	76.08	0.00	0.00	0.00	0.30	0.00	203.74	-0.03	0.00	0.00	0.00	98.33	1.72	61.20	0.12	17.98	N/A	N/A	N/A	N/A
930	9.30	5.27	44.65	5.00	1.30E-006	9.48E-003	17.00	71.49	32.00	31.47	63.29	76.38	0.00	0.00	0.00	0.30	0.00	204.05	-0.03	0.00	0.00	0.00	98.61	1.76	61.59	0.13	17.99	N/A	N/A	N/A	N/A
931	9.31	5.14	45.06	5.00	1.14E-006	8.09E-003	16.00	69.67	31.00	31.50	63.18	76.25	0.00	0.00	0.00	0.30	0.00	203.88	-0.03	0.00	0.00	0.00	98.83	1.82	61.85	0.13	18.00	N/A	N/A	N/A	N/A
932	9.32	5.12	46.44	5.00	1.06E-006	7.50E-003	17.00	69.39	31.00	31.58	63.75	77.08	0.00	0.00	0.00	0.30	0.00	204.80	-0.03	0.00	0.00	0.00	99.27	1.86	62.62	0.14	18.03	N/A	N/A	N/A	N/A
933	9.33	5.20	48.37	5.00	1.06E-006	7.61E-003	17.00	70.51	31.00	31.68	64.78	78.56	0.00	0.00	0.00	0.30	0.00	206.45	-0.04	0.00	0.00	0.00	99.78	1.86	63.58	0.15	18.08	N/A	N/A	N/A	N/A
934	9.34	5.38	55.24	5.00	9.81E-007	7.30E-003	18.00	73.03	32.00	32.05	68.03	83.26	0.00	0.00	0.00	0.30	0.00	211.57	-0.04	0.00	0.00	0.00	101.32	1.90	67.04	0.20	18.25	N/A	N/A	N/A	N/A
935	9.35	5.45	57.95	5.00	9.54E-007	7.20E-003	18.00	74.01	32.00	32.18	69.29	85.08	0.00	0.00	0.00	0.30	0.00	213.51	-0.05	0.00	0.00	0.00	101.96	1.91	68.34	0.22	18.31	N/A	N/A	N/A	N/A
936	9.36	5.57	63.28	5.00	8.99E-007	6.93E-003	18.00	75.69	32.00	32.43	71.63	88.49	0.00	0.00	0.00	0.30	0.00	217.10	-0.05	0.00	0.00	0.00	103.08	1.94	70.89	0.27	18.42	N/A	N/A	N/A	N/A
937	9.37	5.83	70.66	5.00	9.05E-007	7.32E-003	19.00	79.32	33.00	32.74	74.99	93.35	0.00	0.00	0.00	0.30	0.00	222.12	-0.06	0.00	0.00	0.00	104.41	1.94	74.10	0.36	18.56	N/A	N/A	N/A	N/A
938	9.38	5.87	71.16	5.00	9.19E-007	7.49E-003	19.00	79.88	33.00	32.75	75.30	93.79	0.00	0.00	0.00	0.30	0.00	222.58	-0.06	0.00	0.00	0.00	104.59	1.93	74.25	0.36	18.57	N/A	N/A	N/A	N/A
939	9.39	5.80	70.47	5.00	8.83E-007	7.10E-003	19.00	78.90	33.00	32.73	74.92	93.24	0.00	0.00	0.00	0.30	0.00	222.02	-0.06	0.00	0.00	0.00	104.62	1.95	74.02	0.36	18.56	N/A	N/A	N/A	N/A
940	9.40	5.77	71.01	5.00	8.47E-007	6.78E-003	19.00	78.48	33.00	32.76	75.07	93.47	0.00	0.00	0.00	0.30	0.00	222.24	-0.06	0.00	0.00	0.00	104.86	1.98	74.34	0.36	18.56	N/A	N/A	N/A	N/A
941	9.41	5.73	70.25	5.00	8.35E-007	6.63E-003	19.00	77.91	33.00	32.73	74.74	92.97	0.00	0.00	0.00	0.30	0.00	221.75	-0.06	0.00	0.00	0.00	104.86	1.98	74.02	0.36	18.55	N/A	N/A	N/A	N/A
942	9.42	5.63	61.70	5.00	9.73E-007	7.59E-003	18.00	76.51	32.00	32.33	71.39	88.06	0.00	0.00	0.00	0.30	0.00	216.72	-0.05	0.00	0.00	0.00	103.37	1.90	69.85	0.25	18.39	N/A	N/A	N/A	N/A
943	9.43	5.60	57.95	5.00	1.06E-006	8.22E-003	18.00	76.09	32.00	32.14	69.91	85.89	0.00	0.00	0.00	0.30	0.00	214.47	-0.04	0.00	0.00	0.00	102.74	1.86	67.96	0.22	18.32	N/A	N/A	N/A	N/A
944	9.44	5.56	55.11	5.00	1.12E-006	8.60E-003	18.00	75.53	32.00	32.00	68.73	84.16	0.00	0.00	0.00	0.30	0.00	212.65	-0.04	0.00	0.00	0.00	102.28	1.83	66.54	0.19	18.26	N/A	N/A	N/A	N/A
945	9.45	5.53	54.92	5.00	1.09E-006	8.37E-003	18.00	75.11	32.00	31.99	68.61	83.99	0.00	0.00	0.00	0.30	0.00	212.47	-0.04	0.00	0.00	0.00	102.35	1.84	66.45	0.19	18.25	N/A	N/A	N/A	N/A
946	9.46	5.49	54.64	5.00	1.06E-006	8.08E-003	18.00	74.54	32.00	31.98	68.44	83.73	0.00	0.00	0.00	0.30	0.00	212.20	-0.04	0.00	0.00	0.00	102.42	1.85	66.33	0.19	18.24	N/A	N/A	N/A	N/A
947	9.47	5.44	53.88	5.00	1.04E-006	7.84E-003	18.00	73.84	32.00	31.94	68.04	83.16	0.00	0.00	0.00	0.30	0.00	211.59	-0.04	0.00	0.00	0.00	102.38	1.87	65.97	0.18	18.22	N/A	N/A	N/A	N/A
948	9.48	5.40	52.21	5.00	1.06E-006	7.93E-003	17.00	73.28	32.00	31.85	67.30	82.08	0.00	0.00	0.00	0.30	0.00	210.43	-0.04	0.00	0.00	0.00	102.14	1.86	65.12	0.17	18.18	N/A	N/A	N/A	N/A
949	9.49	5.33	46.00	5.00	1.24E-006	9.13E-003	17.00	72.30	31.00	31.50	64.57	78.10	0.00	0.00	0.00	0.30	0.00	206.12	-0.03	0.00	0.00	0.00	100.86	1.78	61.89	0.13	18.03	N/A	N/A	N/A	N/A
950	9.50	5.29	42.19	5.00	1.38E-006	1.01E-002	17.00	71.73	31.00	31.27	62.84	75.57	0.00	0.00	0.00	0.30	0.00	203.33	-0.03	0.00	0.00	0.00	100.08	1.74	59.89	0.11	17.93	N/A	N/A	N/A	N/A
951	9.51	5.23	40.23	5.00	1.41E-006	1.02E-002	16.00	70.89	31.00	31.15	61.84	74.13	0.00	0.00	0.00	0.30	0.00	201.72	-0.02	0.00	0.00	0.00	99.71	1.73	58.84	0.10	17.87	N/A	N/A	N/A	N/A
952	9.52	5.19	40.58	5.00	1.34E-006	9.60E-003	16.00	70.33	31.00	31.17	61.94	74.27	0.00	0.00	0.00	0.30	0.00	201.87	-0.02	0.00	0.00	0.00	99.89	1.75	59.00	0.10	17.88	N/A	N/A	N/A	N/A
953	9.53	5.16	40.93	5.00	1.28E-006	9.13E-003	16.00	69.91	31.00	31.19	62.05	74.44	0.00	0.00	0.00	0.30	0.00	202.06	-0.02	0.00	0.00	0.00	100.08	1.77	59.16	0.11	17.89	N/A	N/A	N/A	N/A
954	9.54	5.11	42.31	5.00	1.16E-006	8.16E-003	16.00	69.20	31.00	31.28	62.58	75.22	0.00	0.00	0.00	0.30	0.00	202.91	-0.03	0.00	0.00	0.00	100.53	1.81	59.92	0.11	17.92	N/A	N/A	N/A	N/A
955	9.55	5.11	43.16	5.00	1.12E-006	7.87E-003	16.00	69.20	31.00	31.33	62.98	75.80	0.00	0.00	0.00	0.30	0.00	203.57	-0.03	0.00	0.00	0.00	100.84	1.83	60.37	0.12	17.94	N/A	N/A	N/A	N/A
956	9.56	5.08	43.89	5.00	1.05E-006	7.38E-003	16.00	68.78	31.00	31.38	63.26	76.21	0.00	0.00	0.00	0.30	0.00	204.01	-0.03	0.00	0.00	0.00	101.14	1.86	60.79	0.12	17.96	N/A	N/A	N/A	N/A
957	9.57	5.09	45.56	5.00	9.95E-007	6.99E-003	17.00	68.92	31.00	31.48	64.04	77.33	0.00	0.00	0.00	0.30	0.00	205.27	-0.03	0.00	0.00	0.00	101.66	1.89	61.70	0.13	18.00	N/A	N/A	N/A	N/A
958	9.58	5.09	46.57	5.00	9.56E-007	6.72E-003	17.00	68.92	31.00	31.54	64.50	78.00	0.00	0.00	0.00	0.30	0.00	206.01	-0.03	0.00	0.00	0.00	102.02	1.91	62.26	0.14	18.03	N/A	N/A	N/A	N/A
959	9.59	5.08	48.27	5.00	8.89E-007	6.23E-003	17.00	68.77	30.00	31.65	65.23	79.05	0.00	0.00	0.00	0.30	0.00	207.16	-0.03	0.00	0.00	0.00	102.55	1.95	63.23	0.15	18.07	N/A	N/A	N/A	N/A
960	9.60	5.07	48.97	5.00	8.57E-007	5.99E-003	17.00	68.63	30.00	31.69	65.53	79.49	0.00	0.00	0.00	0.30	0.00	207.64	-0.04	0.00	0.00	0.00	102.84	1.97	63.63	0.15	18.09	N/A	N/A	N/A	N/A
961	9.61	5.08	49.41	5.00	8.49E-007	5.95E-003	17.00	68.77	30.00	31.71	65.76	79.82	0.00	0.00	0.00	0.30	0.00	208.01	-0.04	0.00	0.00	0.00	103.05	1.97	63.85	0.15	18.10	N/A	N/A	N/A	N/A
962	9.62	5.10	49.85	5.00	8.49E-007	5.98E-003	17.00	69.05	30.00	31.73	66.03	80.19	0.00	0.00	0.00	0.30	0.00	208.43	-0.04	0.00	0.00	0.00	103.24	1.97	64.04	0.16	18.11	N/A	N/A	N/A	N/A
963	9.63	5.12	49.88	5.00	8.61E-007	6.09E-003	17.00	69.32	30.00	31.73	66.12	80.32	0.00	0.00	0.00	0.30	0.00	208.57	-0.04	0.00	0.00	0.00	103.34	1.97	64.00	0.16	18.11	N/A	N/A	N/A	N/A
964	9.64	5.14	49.91	5.00	8.74E-007	6.20E-003	17.00	69.60	31.00	31.73	66.21	80.44	0.00	0.00	0.00	0.30	0.00	208.72	-0.04	0.00	0.00	0.00	103.43	1.96	63.96	0.16	18.11	N/A	N/A	N/A	N/A
965	9.65	5.20	49.88	5.00	9.21E-007	6.61E-003	17.00	70.44	31.00	31.71	66.38	80.65	0.00	0.00	0.00	0.30	0.00	208.98	-0.04	0.00	0.00	0.00	103.48	1.93	63.82	0.15	18.12	N/A	N/A	N/A	N/A
966	9.66	5.20	49.97	5.00	9.16E-007	6.57E-003	17.00	70.44	31.00	31.71	66.44	80.75	0.00	0.00	0.00	0.30	0.00	209.09	-0.04	0.00	0.00	0.00	103.61	1.93	63.85	0.15	18.12	N/A	N/A	N/A	N/A
967	9.67	5.25	49.82	5.00	9.60E-007	6.96E-003	17.00	71.14	31.00	31.69	66.53	80.86	0.00	0.00	0.00	0.30	0.00	209.23	-0.04	0.00	0.00	0.00	103.64	1.91	63.67	0.15	18.12	N/A	N/A	N/A	N/A
968	9.68	5.26	50.13	5.00	9.55E-007	6.94E-003	17.00	71.27	31.00	31.71	66.72	81.11	0.00	0.00	0.00	0.30	0.00	209.51	-0.04	0.00	0.00	0.00	103.81	1.91	63.81	0.15	18.13	N/A	N/A	N/A	N/A
969	9.69	5.29	50.42	5.00	9.69E-007	7.08E-003	17.00	71.69	31.00	31.72	66.94	81.43	0.00	0.00	0.00	0.30	0.00	209.87	-0.04	0.00	0.00	0.00	103.97	1.90	63.91	0.15	18.14	N/A	N/A	N/A	N/A
970	9.70	5.34	50.38	5.00	1.01E-006	7.46E-003	17.00	72.39	31.00	31.71	67.07	81.60	0.00	0.00	0.00	0.30	0.00	210.07	-0.04	0.00	0.00	0.00	104.03	1.88	63.80	0.15	18.14	N/A	N/A	N/A	N/A
971	9.71	5.36	50.35	5.00	1.03E-006	7.61E-003	17.00	72.67	31.00	31.70	67.14	81.68	0.00	0.00	0.00	0.30	0.00	210.18	-0.04	0.00	0.00	0.00	104.12	1.87	63.74	0.15	18.14	N/A	N/A	N/A	N/A
972	9.72	5.38	50.20	5.00	1.05E-006	7.79E-003	17.00	72.94	31.00	31.69	67.15	81.69	0.00	0.00	0.00	0.30	0.00	210.20	-0.04	0.00	0.00	0.00	104.18	1.86	63.62	0.15	18.14	N/A	N/A	N/A	N/A
973	9.73	5.42	50.23	5.00	1.08E-006	8.09E-003	17.00	73.50	31.00	31.68	67.29	81.88	0.00	0.00	0.00	0.30	0.00	210.42	-0.04	0.00	0.00	0.00	104.27	1.85	63.57	0.15	18.14	N/A	N/A	N/A	N/A
974	9.74	5.44	50.20	5.00	1.10E-006	8.25E-003	18.00	73.78	31.00	31.68	67.36	81.96	0.00	0.00	0.00	0.30	0.00	210.52	-0.03	0.00	0.00	0.00	104.36	1.84	63.52	0.15	18.14	N/A	N/A	N/A	N/A
975	9.75	5.44	49.88	5.00	1.11E-006	8.32E-003	18.00	73.78	31.00	31.66	67.25	81.80	0.00	0.00	0.00	0.30	0.00	210.35	-0.03	0.00	0.00	0.00	104.39	1.84	63.34	0.15	18.13	N/A	N/A	N/A	N/A
976	9.76	5.44	49.82	5.00	1.11E-006	8.31E-003	18.00	73.77	31.00	31.65	67.26	81.80	0.00	0.00	0.00	0.30	0.00	210.36	-0.03	0.00	0.00	0.00	104.48	1.84	63.29	0.15	18.13	N/A	N/A	N/A	N/A
977	9.77	5.40	50.07	5.00	1.06E-006	7.88E-003	17.00	73.21	31.00	31.67	67.30	81.86	0.00	0.00	0.00	0.30	0.00	210.43	-0.03	0.00	0.00	0.00	104.66	1.86	63.44	0.15	18.14	N/A	N/A	N/A	N/A
978	9.78	5.38	50.23	5.00	1.03E-006	7.65E-003	17.00	72.93	31.00	31.68	67.35	81.93	0.00	0.00	0.00	0.30	0.00	210.51	-0.03	0.00	0.00	0.00	104.81	1.87	63.52	0.15	18.14	N/A	N/A	N/A	N/A
979	9.79	5.36	50.64	5.00	9.95E-007	7.37E-003	17.00	72.65	31.00	31.70	67.50	82.16	0.00	0.00	0.00	0.30	0.00	210.75	-0.04	0.00	0.00	0.00	105.02	1.89	63.75	0.15	18.15	N/A	N/A	N/A	N/A
980	9.80	5.36	50.64	5.00	9.92E-007	7.35E-003	17.00	72.64	31.00	31.70	67.53	82.19	0.00	0.00	0.00	0.30	0.00	210.79	-0.04	0.00	0.00	0.00	105.12	1.89	63.73	0.15	18.15	N/A	N/A	N/A	N/A
981	9.81	5.35	50.79	5.00	9.76E-007	7.21E-003	17.00	72.50	31.00	31.71	67.60	82.29	0.00	0.00	0.00	0.30	0.00	210.90	-0.04	0.00	0.00	0.00	105.27	1.90	63.81	0.15	18.15	N/A	N/A	N/A	N/A
982	9.82	5.35	50.95	5.00	9.68E-007	7.16E-003	17.00	72.50	31.00	31.72	67.70	82.42	0.00	0.00	0.00	0.30	0.00	211.05	-0.04	0.00	0.00	0.00	105.41	1.90	63.87	0.15	18.15	N/A	N/A	N/A	N/A
983	9.83	5.35	51.05	5.00	9.62E-007	7.11E-003	17.00	72.50	31.00	31.72	67.77	82.52	0.00	0.00	0.00	0.30	0.00	211.17	-0.04	0.00	0.00	0.00	105.54	1.91	63.91	0.15	18.15	N/A	N/A	N/A	N/A
984	9.84	5.36	50.98	5.00	9.71E-007	7.19E-003	17.00	72.64	31.00	31.71	67.80	82.55	0.00	0.00	0.00	0.30	0.00	211.21	-0.04	0.00	0.00	0.00	105.62	1.90	63.84	0.15	18.15	N/A	N/A	N/A	N/A
985	9.85	5.36	51.05	5.00	9.66E-007	7.15E-003	17.00	72.63	31.00	31.71	67.86	82.63	0.00	0.00	0.00	0.30	0.00	211.30	-0.04	0.00	0.00	0.00	105.74	1.90	63.86	0.15	18.16	N/A	N/A	N/A	N/A
986	9.86	5.37	51.17	5.00	9.68E-007	7.18E-003	17.00	72.77	31.00	31.72	67.96	82.77	0.00	0.00	0.00	0.30	0.00	211.46	-0.04	0.00	0.00	0.00	105.87	1.90	63.89	0.15	18.16	N/A	N/A	N/A	N/A
987	9.87	5.35	51.27	5.00	9.45E-007	6.98E-003	17.00	72.49	31.00	31.73	67.99	82.81	0.00	0.00	0.00	0.30	0.00	211.50	-0.04	0.00	0.00	0.00	106.01	1.92	63.96	0.16	18.16	N/A	N/A	N/A	N/A
988	9.88	5.30	51.77	5.00	8.87E-007	6.49E-003	17.00	71.79	31.00	31.76	68.11	82.98	0.00	0.00	0.00	0.30	0.00	211.68	-0.04	0.00	0.00	0.00	106.27	1.95	64.29	0.16	18.17	N/A	N/A	N/A	N/A
989	9.89	5.26	52.18	5.00	8.42E-007	6.11E-003	17.00	71.22	31.00	31.79	68.21	83.14	0.00	0.00	0.00	0.30	0.00	211.85	-0.04	0.00	0.00	0.00	106.51	1.98	64.58	0.16	18.17	N/A	N/A	N/A	N/A
990	9.90	5.21	52.40	5.00	7.97E-007	5.73E-003	17.00	70.52	30.00	31.81	68.21	83.14	0.00	0.00	0.00	0.30	0.00	211.84	-0.04	0.00	0.00	0.00	106.72	2.01	64.79	0.17	18.17	N/A	N/A	N/A	N/A

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
991	9.91	5.15	52.28	5.00	7.56E-007	5.37E-003	17.00	69.68	30.00	31.82	68.04	82.91	0.00	0.00	0.00	0.30	0.00	211.59	-0.04	0.00	0.00	0.00	106.85	2.04	64.85	0.17	18.17	N/A	N/A	N/A	N/A
992	9.92	5.15	52.28	5.00	7.54E-007	5.36E-003	17.00	69.68	30.00	31.82	68.07	82.95	0.00	0.00	0.00	0.30	0.00	211.63	-0.04	0.00	0.00	0.00	106.96	2.04	64.83	0.17	18.17	N/A	N/A	N/A	N/A
993	9.93	5.15	52.28	5.00	7.52E-007	5.34E-003	17.00	69.67	30.00	31.82	68.10	82.98	0.00	0.00	0.00	0.30	0.00	211.68	-0.04	0.00	0.00	0.00	107.07	2.04	64.82	0.17	18.17	N/A	N/A	N/A	N/A
994	9.94	4.45	44.17	5.00	5.06E-007	3.09E-003	15.00	59.88	28.00	31.51	62.89	75.57	0.00	0.00	0.00	0.30	0.00	203.41	-0.03	0.00	0.00	0.00	105.92	2.30	62.03	0.13	17.92	N/A	N/A	N/A	N/A
995	9.95	4.29	44.20	5.00	4.24E-007	2.49E-003	15.00	57.63	27.00	31.59	62.49	75.04	0.00	0.00	0.00	0.30	0.00	202.77	-0.03	0.00	0.00	0.00	106.35	2.44	62.72	0.14	17.90	N/A	N/A	N/A	N/A
996	9.96	4.10	44.14	5.00	3.42E-007	1.92E-003	15.00	54.97	26.00	31.69	61.97	74.33	0.00	0.00	0.00	0.30	0.00	201.92	-0.04	0.00	0.00	0.00	106.86	2.61	63.61	0.15	17.89	N/A	N/A	N/A	N/A
997	9.97	3.90	44.14	5.00	2.69E-007	1.43E-003	14.00	52.17	26.00	31.81	61.41	73.59	0.00	0.00	0.00	0.30	0.00	201.01	-0.04	0.00	0.00	0.00	107.48	2.82	64.75	0.17	17.87	N/A	N/A	N/A	N/A
998	9.98	3.64	44.43	5.00	1.91E-007	9.47E-004	14.00	48.53	25.00	32.01	60.76	72.73	0.00	0.00	0.00	0.30	0.00	199.94	-0.04	0.00	0.00	0.00	108.43	3.16	66.65	0.19	17.85	N/A	N/A	N/A	N/A
999	9.99	3.14	47.45	4.00	8.39E-008	3.55E-004	13.00	41.52	0.00	0.00	0.00	72.32	15.00	197.73	1.14	0.30	5.29	199.27	0.00	1.00	4.38	0.00	197.73	4.14	72.91	0.32	17.87	N/A	N/A	N/A	N/A
1000	10.00	2.92	49.22	4.00	5.52E-008	2.16E-004	12.00	38.44	0.00	0.00	0.00	72.27	15.00	183.05	1.05	0.30	4.83	199.13	0.00	1.00	3.90	0.00	183.05	4.73	76.18	0.42	17.88	N/A	N/A	N/A	N/A

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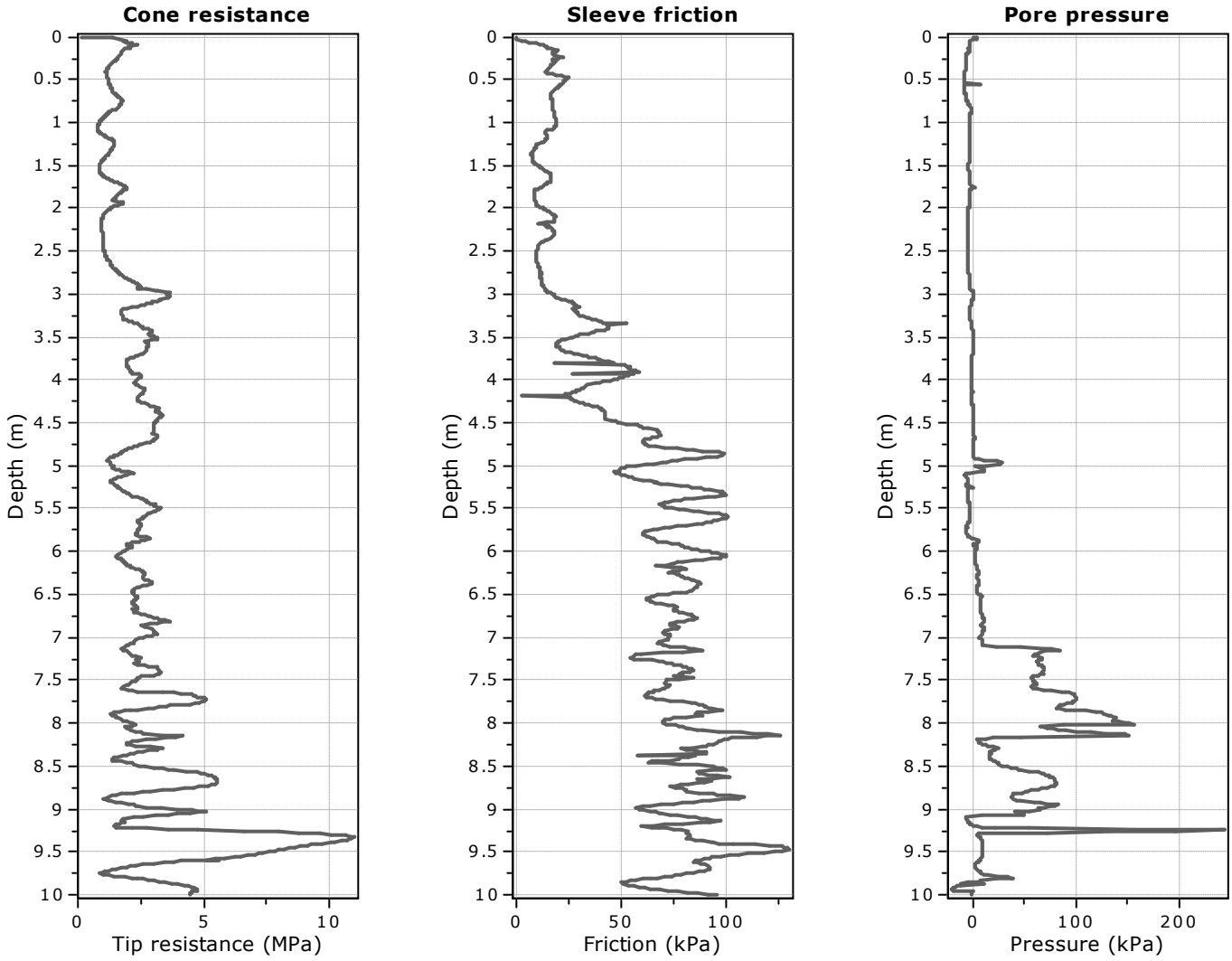
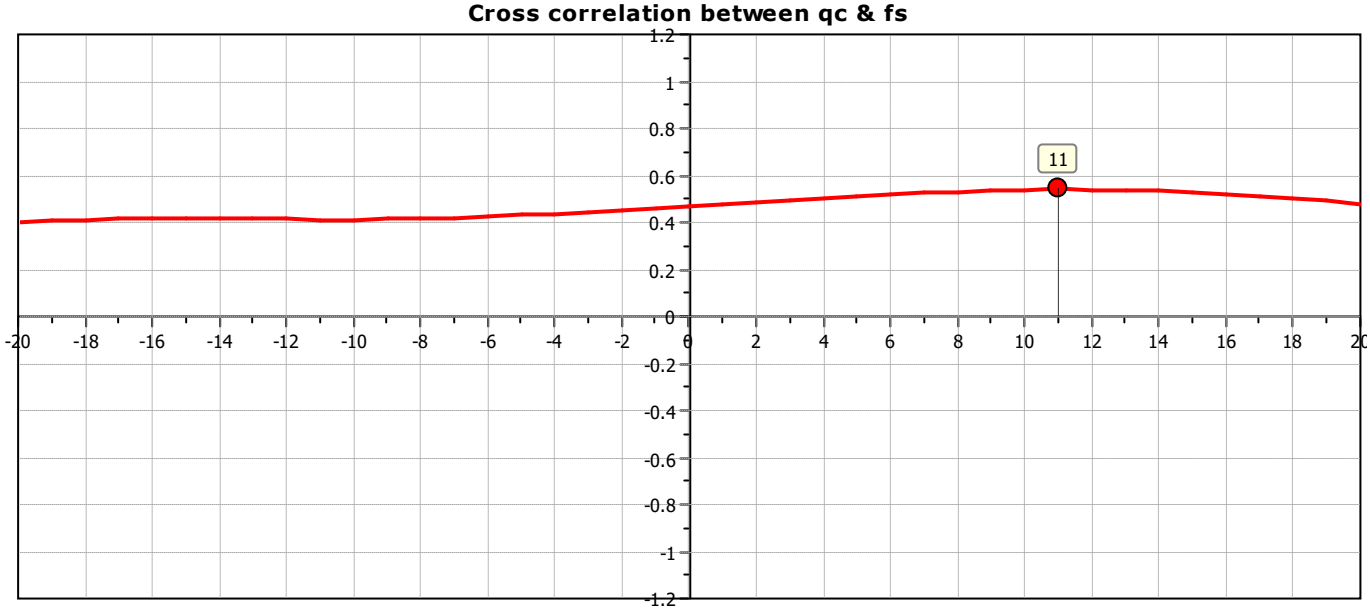
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-8
Total depth: 10.00 m, Date: 28/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.6767848° lon 10.641212°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti



The plot below presents the cross correlation coeficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two sucessive CPT measurements).



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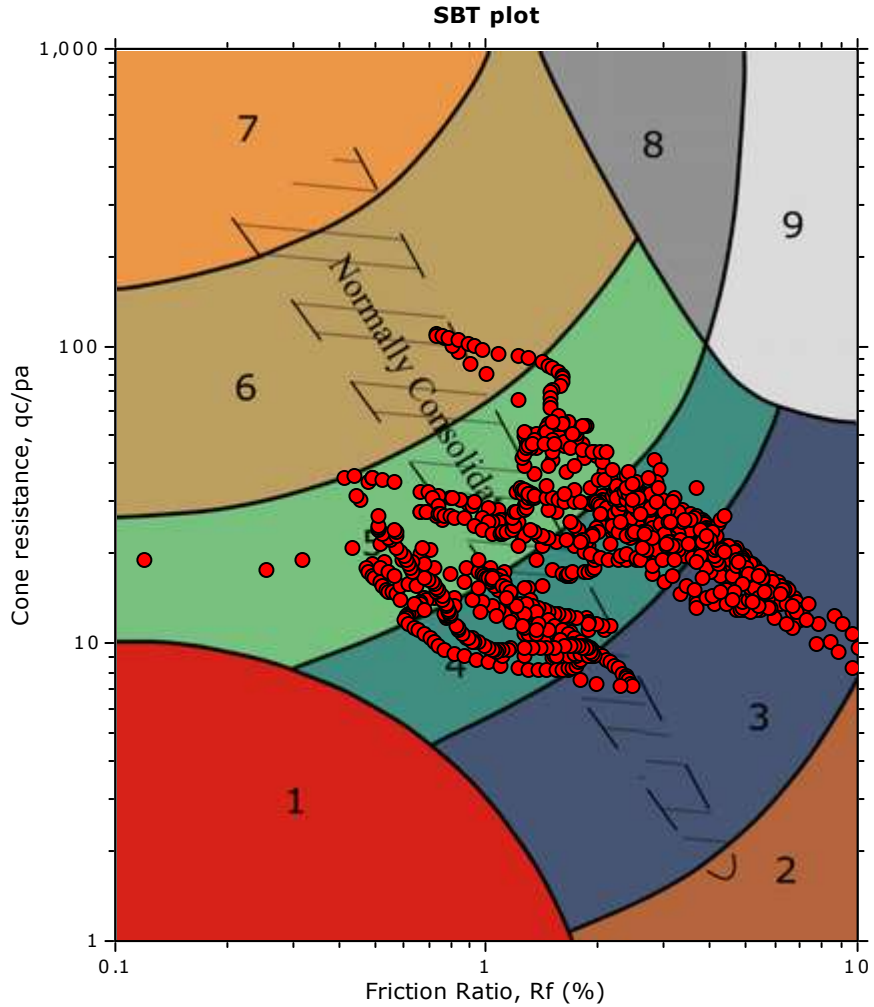
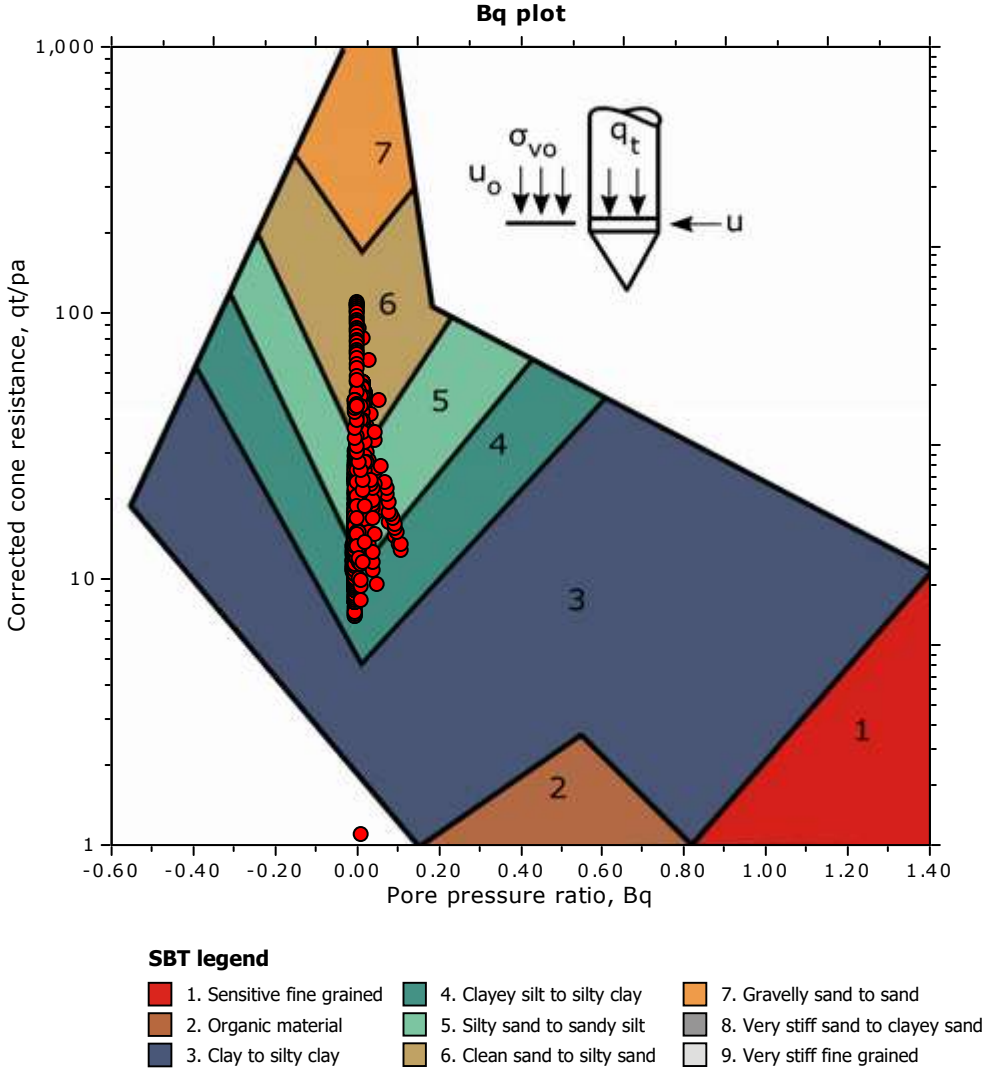
SBT - Bq plots





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Project: **CPTU - Argine Arno**
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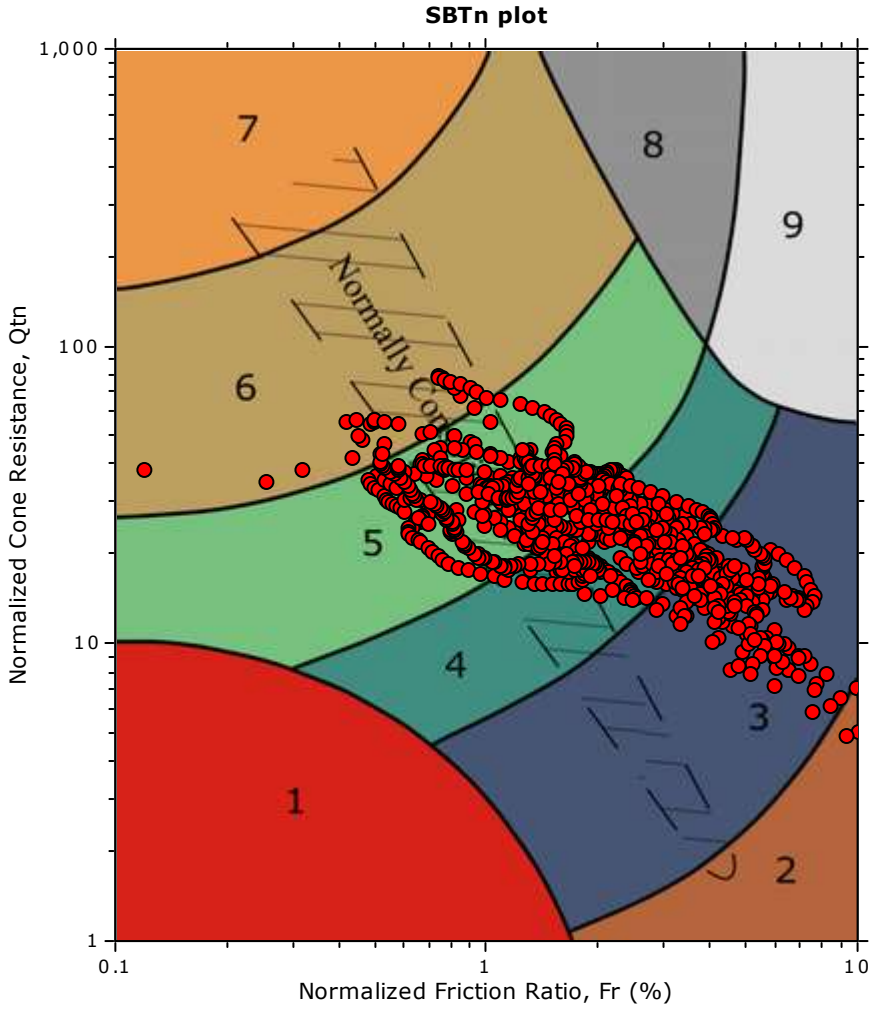
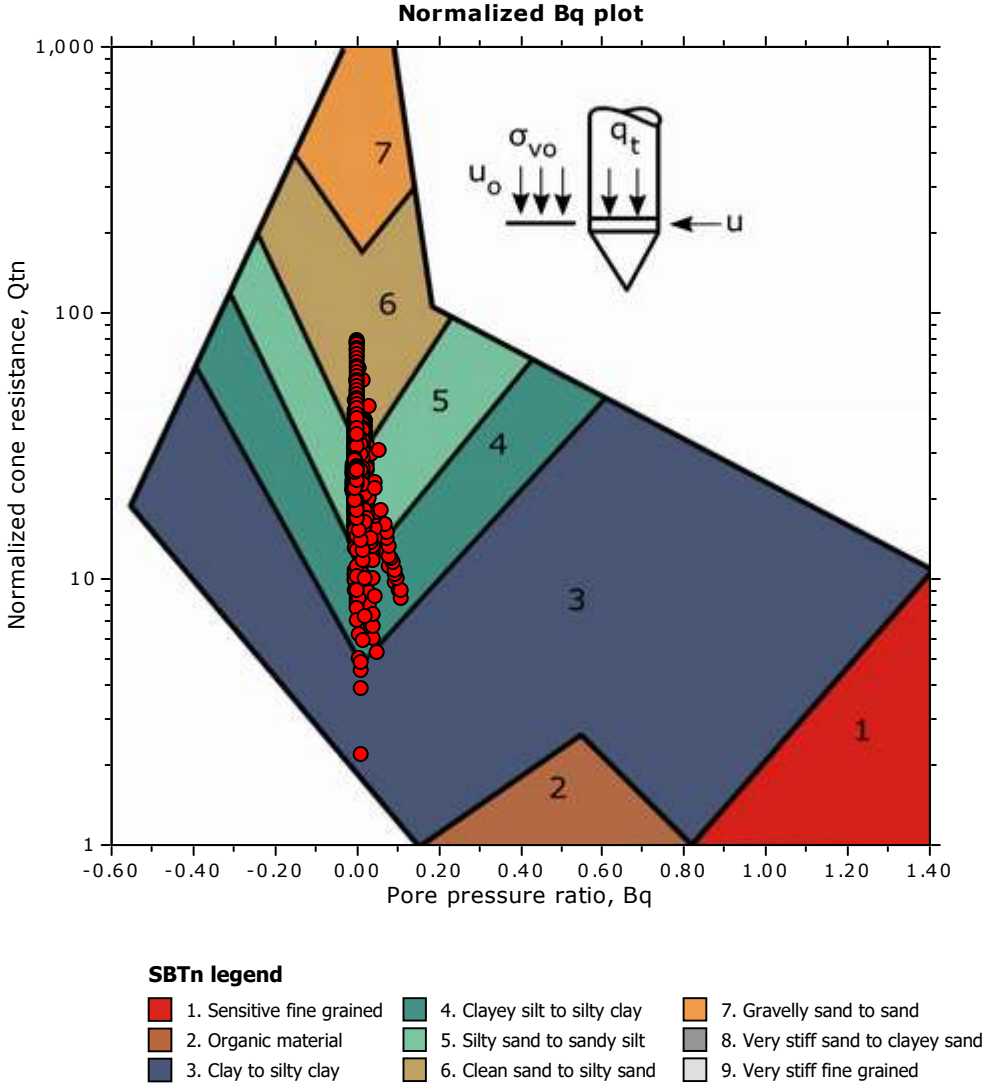
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti

SBT - Bq plots (normalized)





SBTn legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

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Project: **CPTU - Argine Arno**
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Cone Type: Mks799
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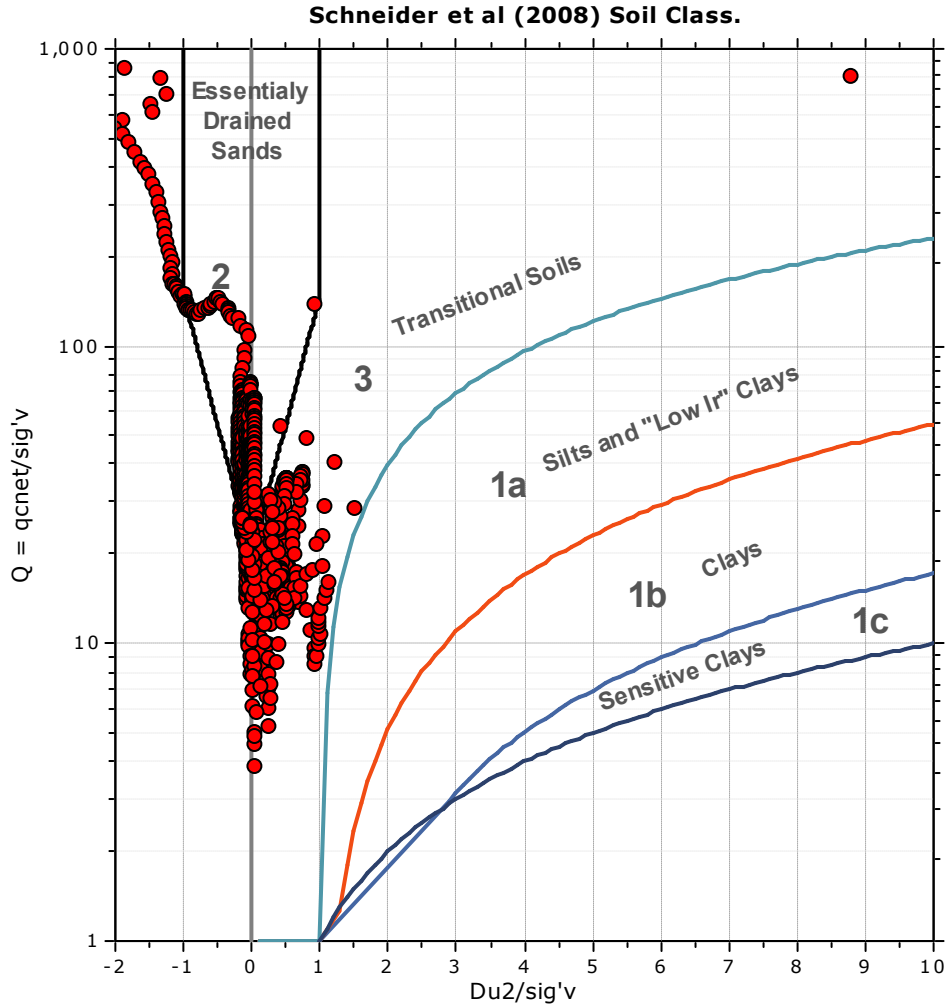
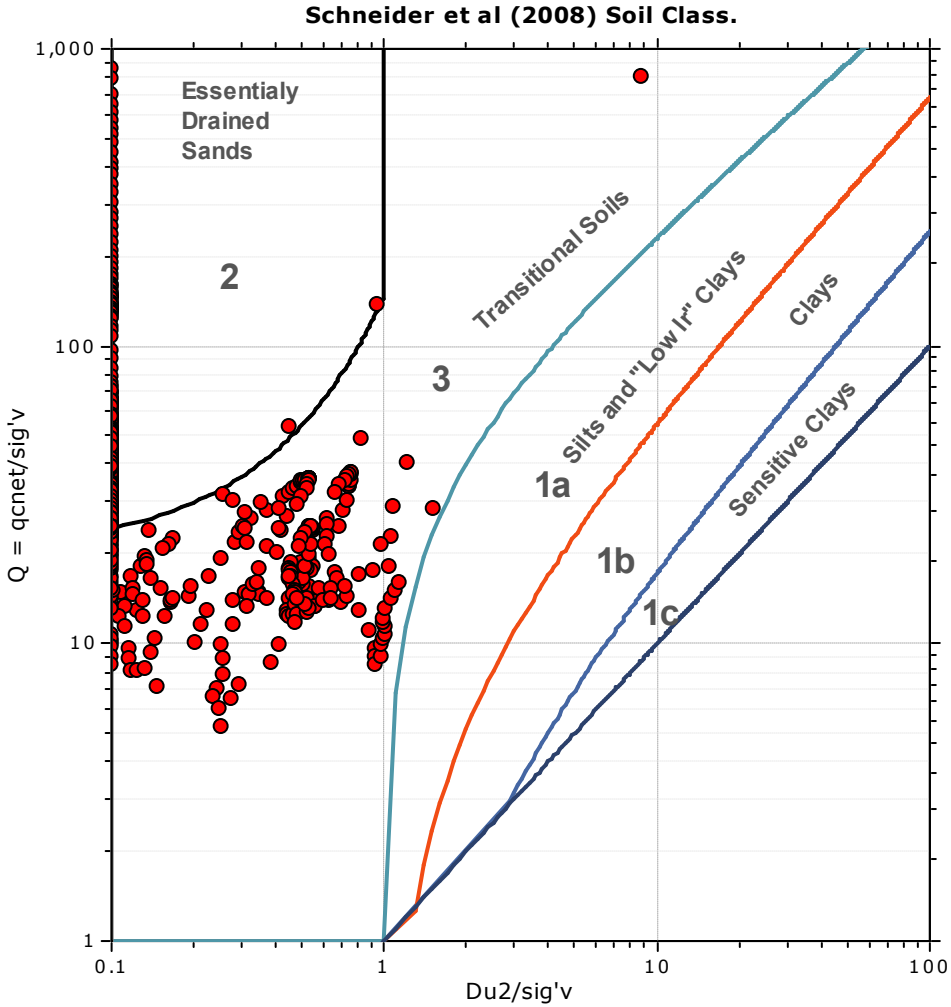
Bq plots (Schneider)





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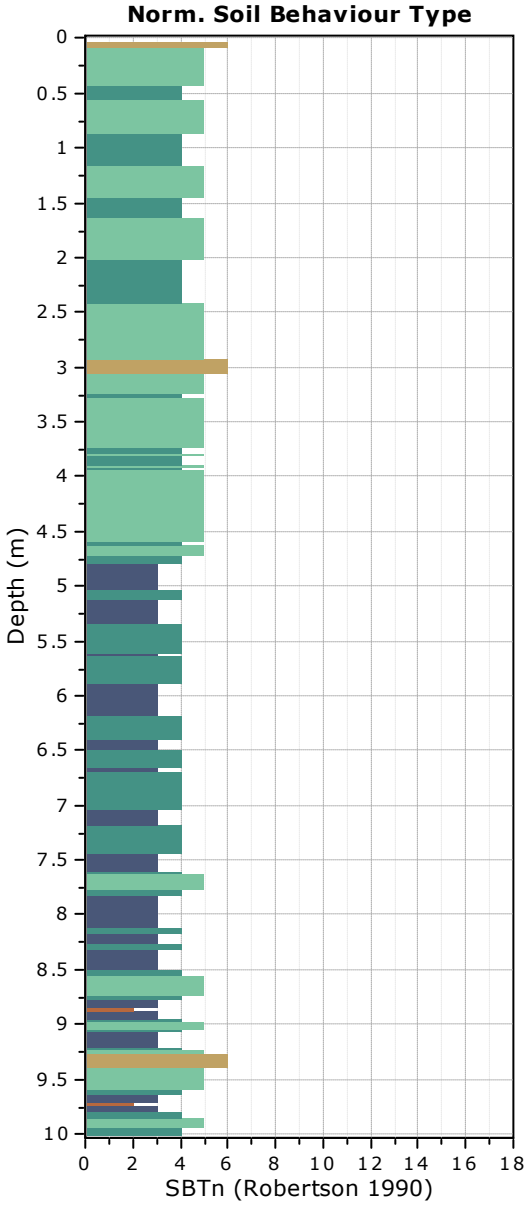

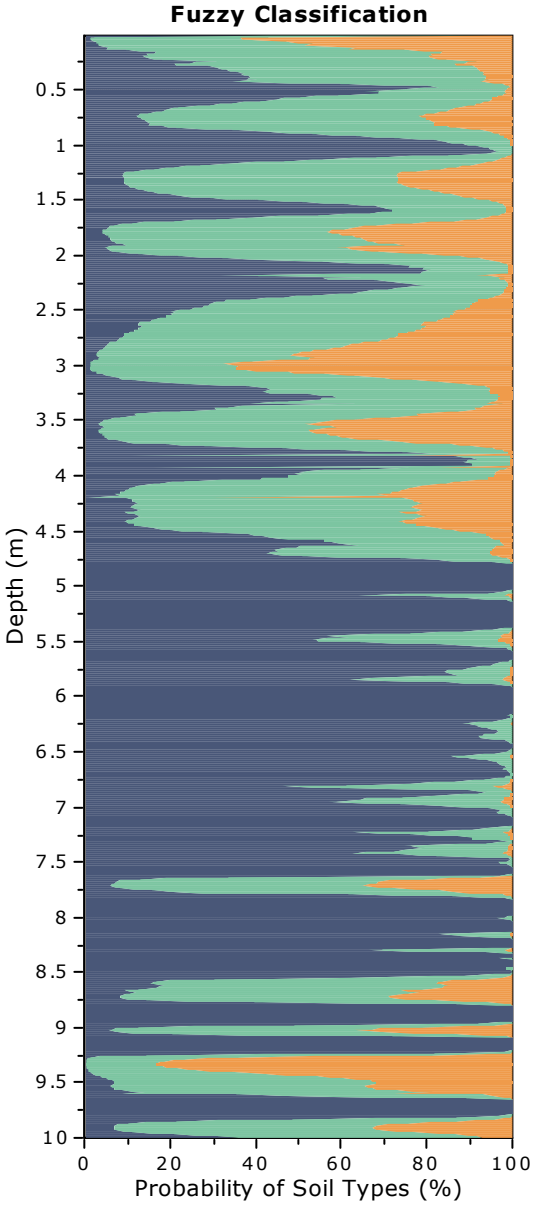

Fuzzy classifiaction legend
- Highly probable clayey soil
- Highly probable mixture soil
- Highly probable sandy soil

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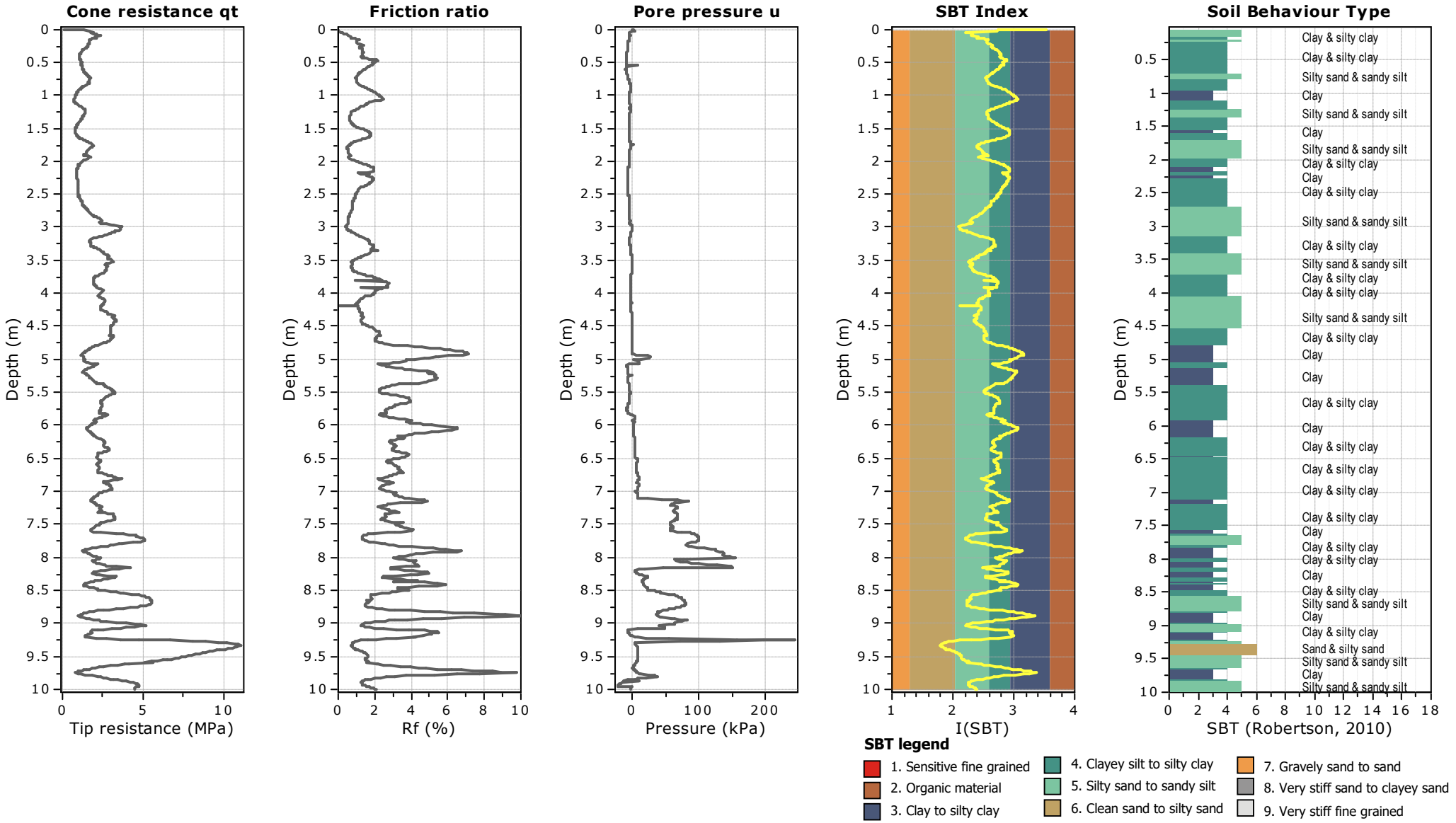

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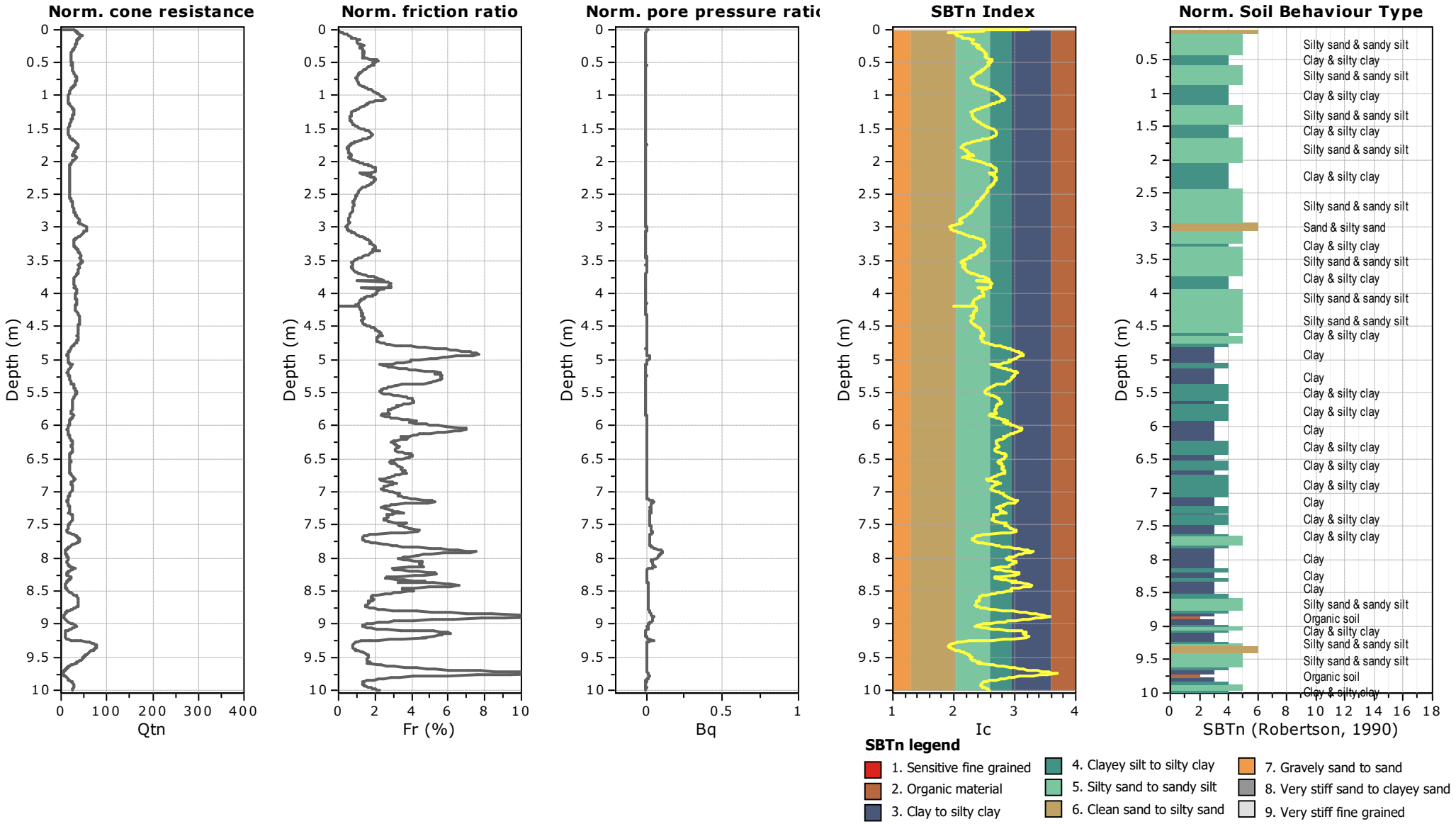

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Project: **CPTU - Argine Arno**
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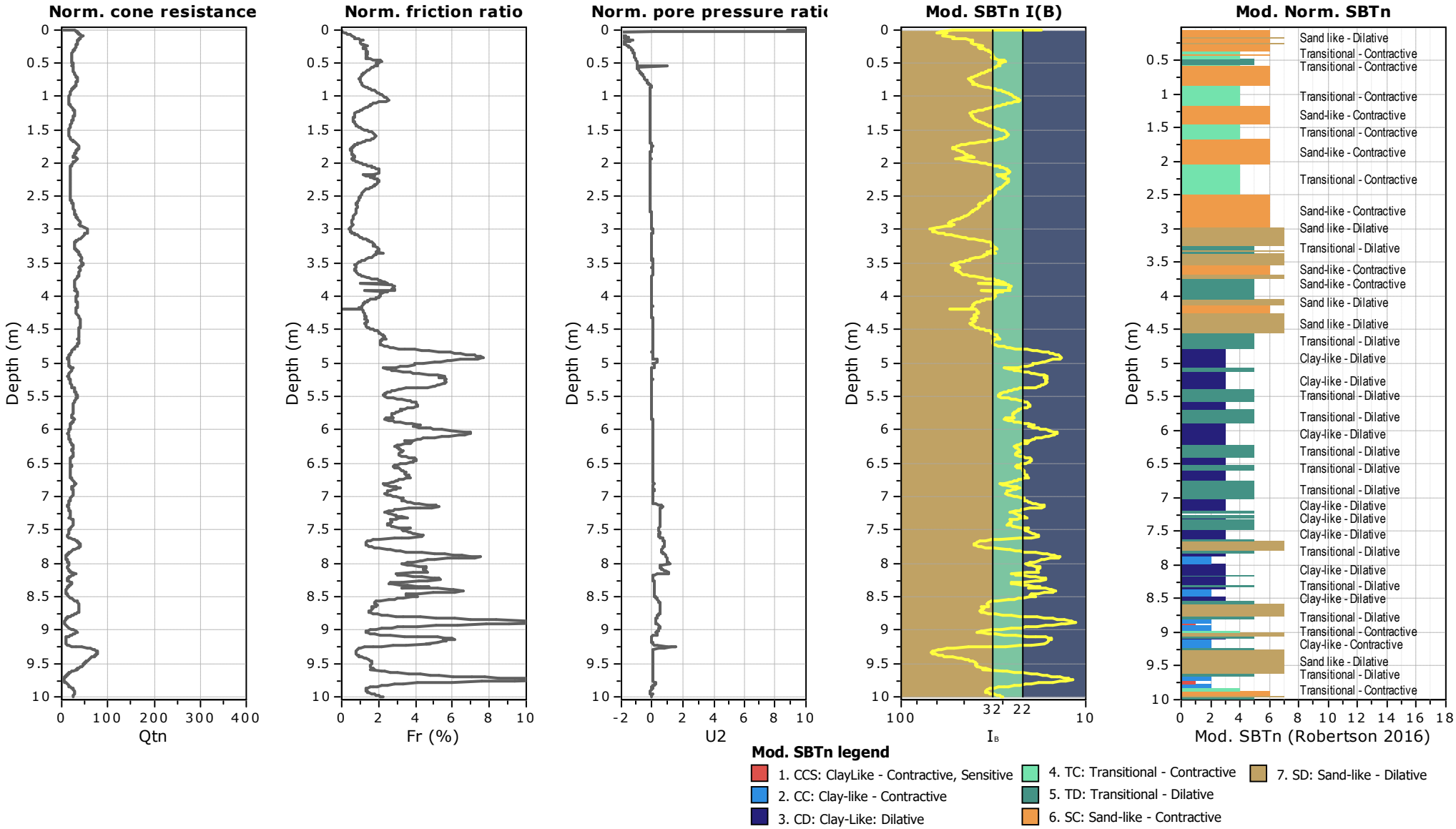

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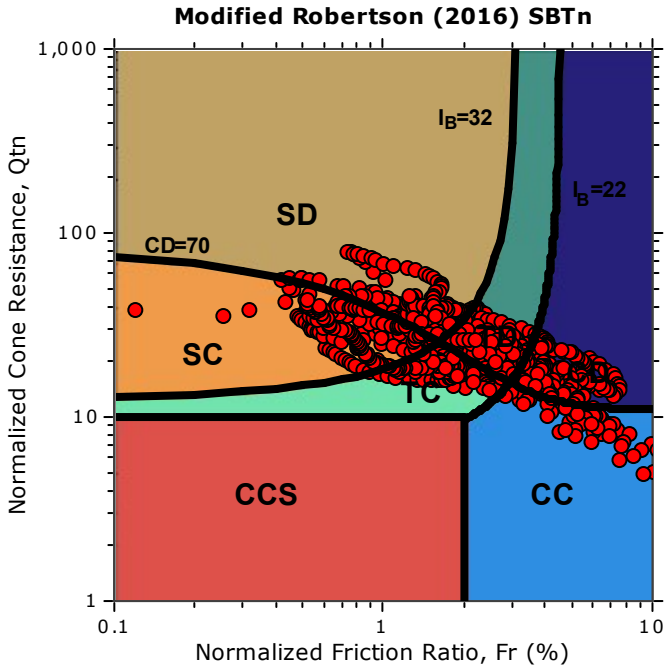
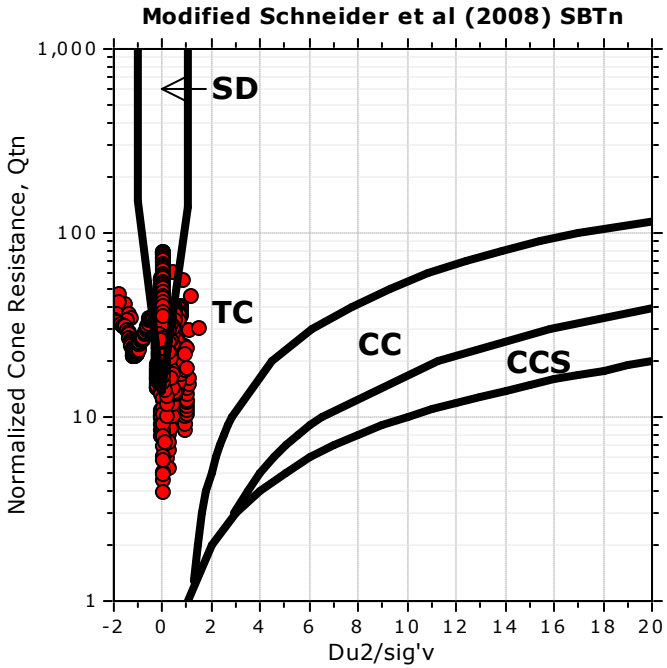
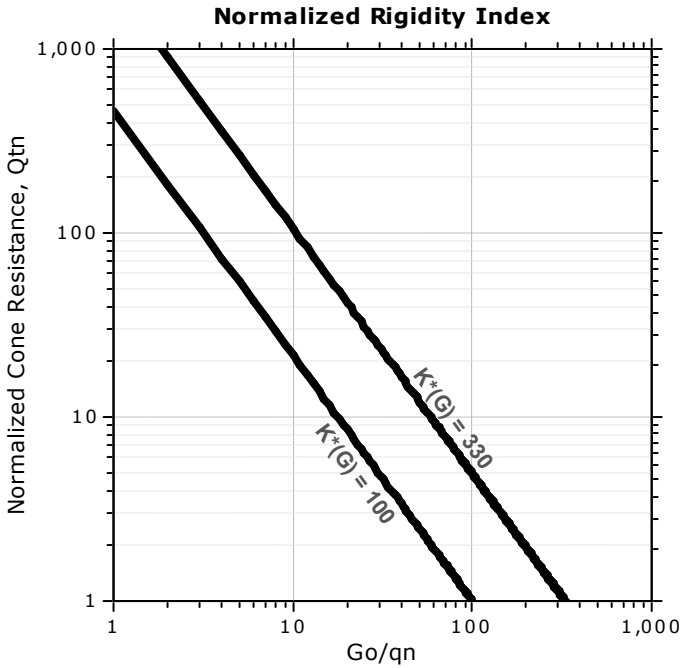
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti

Updated SBTn plots







CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

K(G) > 330: Soils with significant microstructure (e.g. age/cementation)

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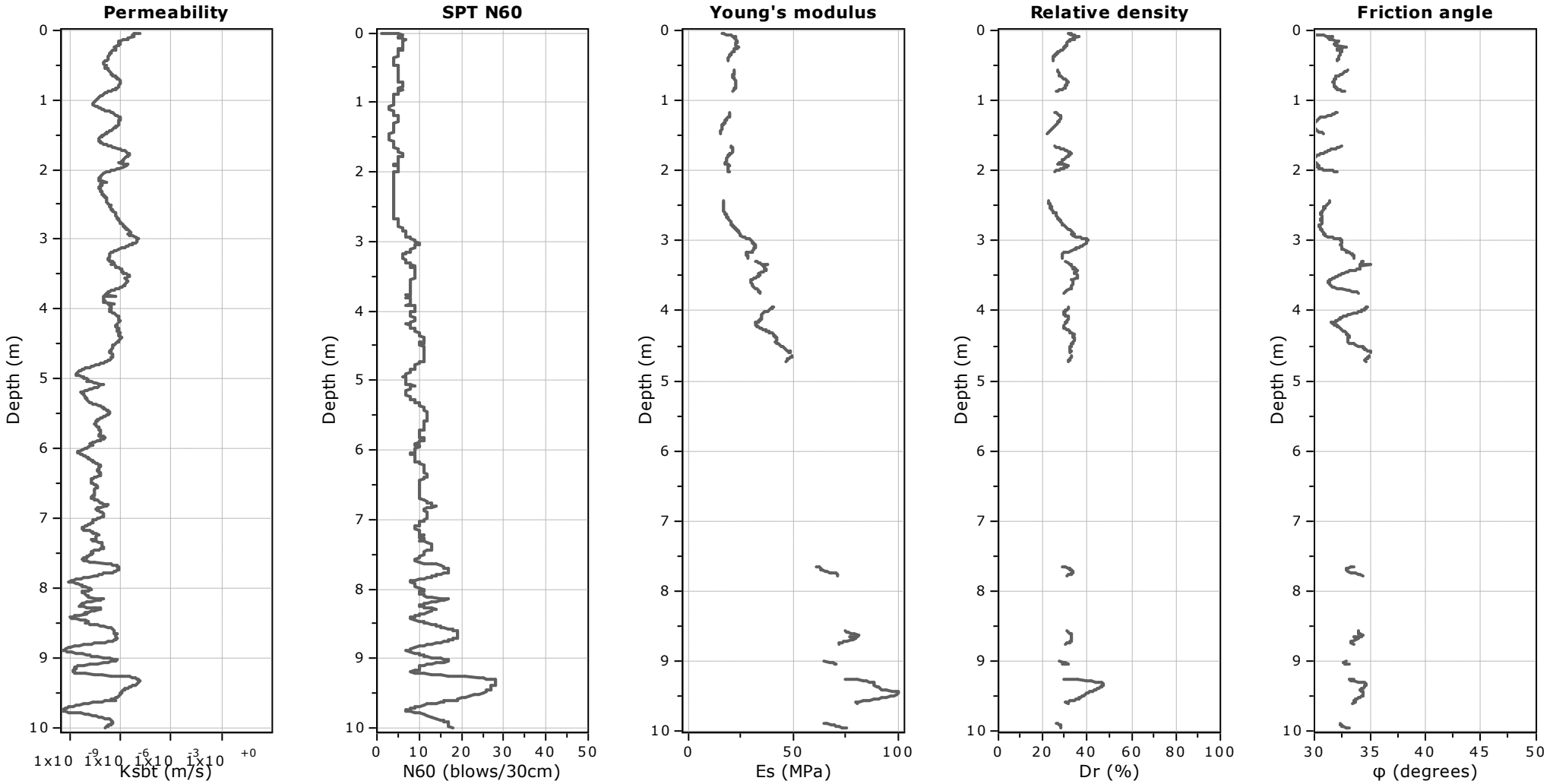
Project: **CPTU - Argine Arno**
Location: **Pontedera (PI)**

CPT: CPTU-8
Total depth: 10.00 m, Date: 28/04/2022
Surface Elevation: 13.00 m
Coords: lat 43.6767848° lon 10.641212°
Cone Type: Mks799
Cone Operator: Emanuele Anzilotti



Calculation parameters

Permeability: Based on SBT_n
SPT N_{60}: Based on I_c and q_t
Young's modulus: Based on variable alpha using I_c (Robertson, 2009)
Relative density constant, C_{Dr}: 350.0
Phi: Based on Kulhawy & Mayne (1990)

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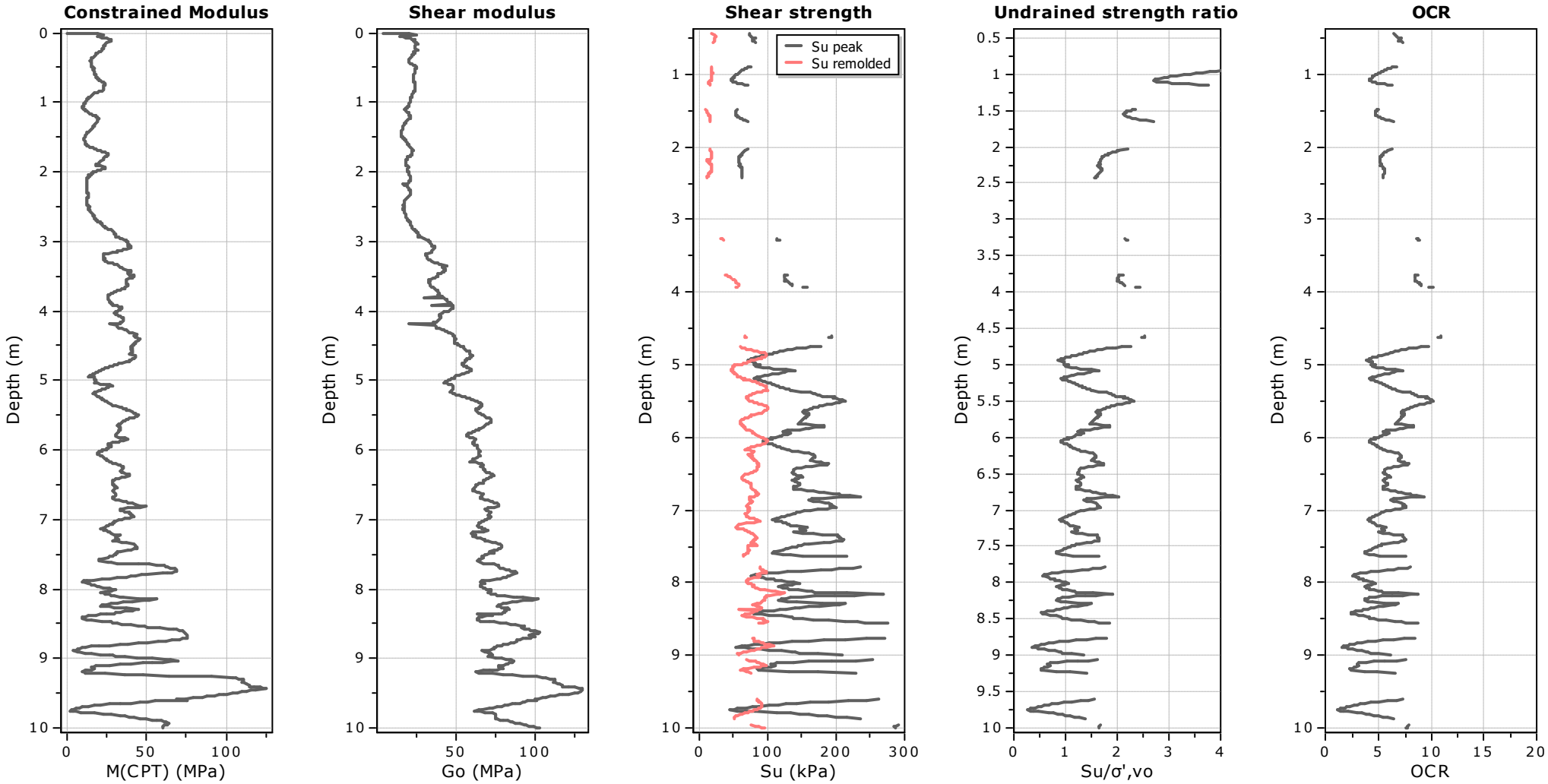

Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_{tn} (Robertson, 2009)
Go: Based on variable *alpha* using I_c (Robertson, 2009)
Undrained shear strength cone factor for clays, N_{kt}: 15
OCR factor for clays, N_{kt}: 0.30
Flat Dilatometer Test data

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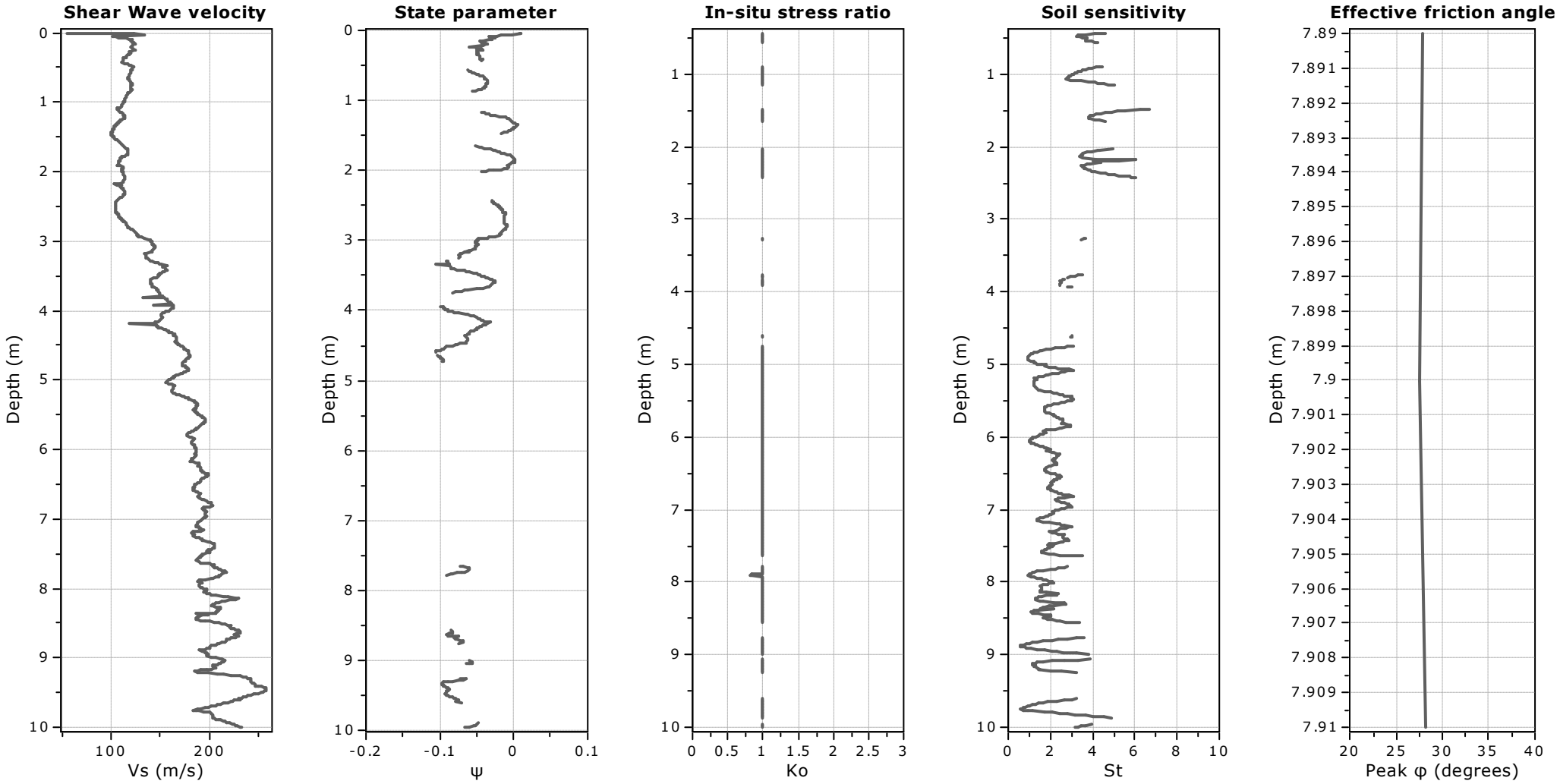

Calculation parameters

Soil Sensitivity factor, N_S: 7.00

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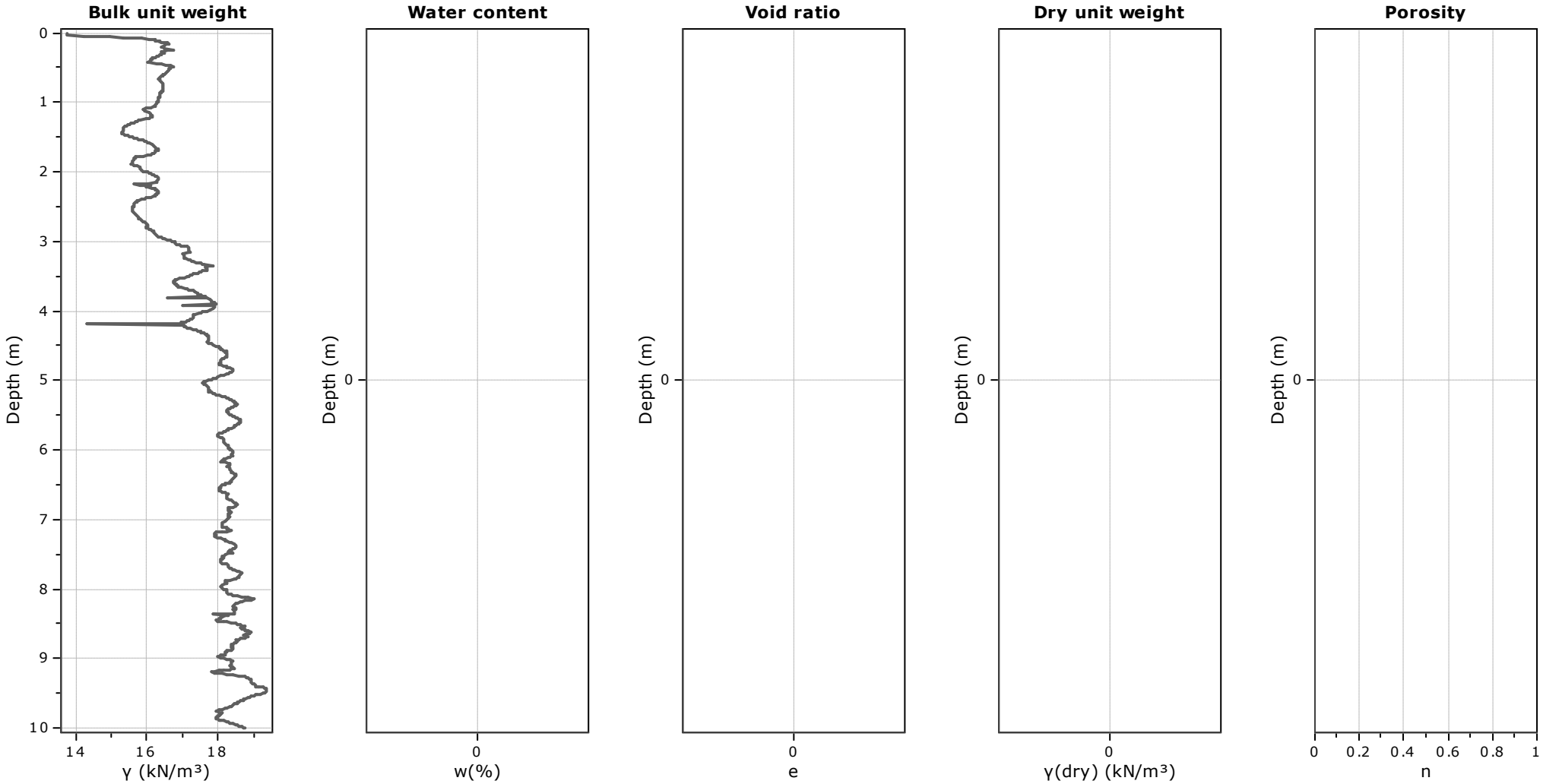

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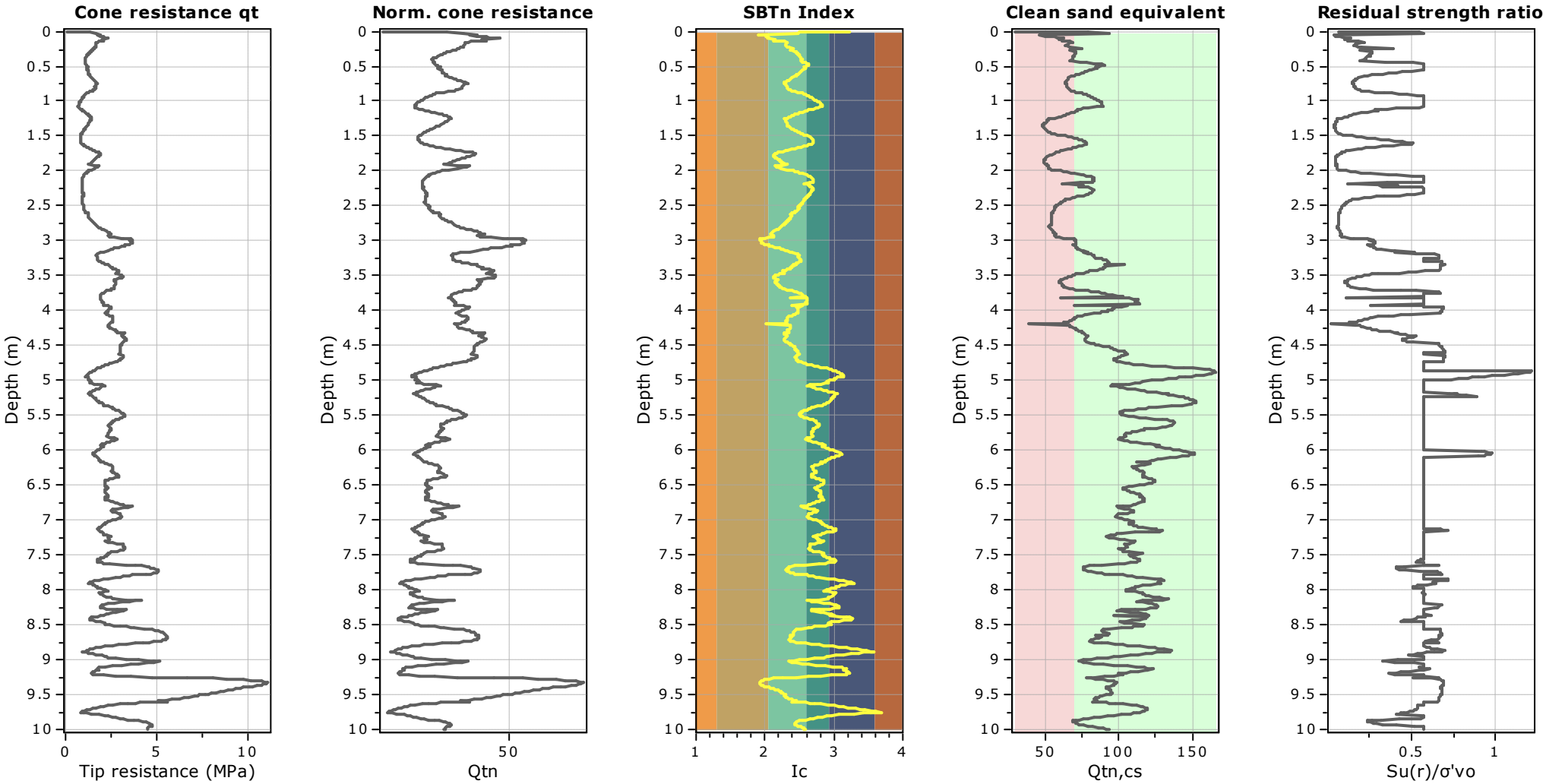

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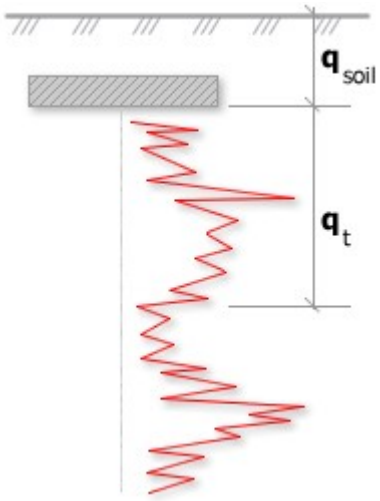
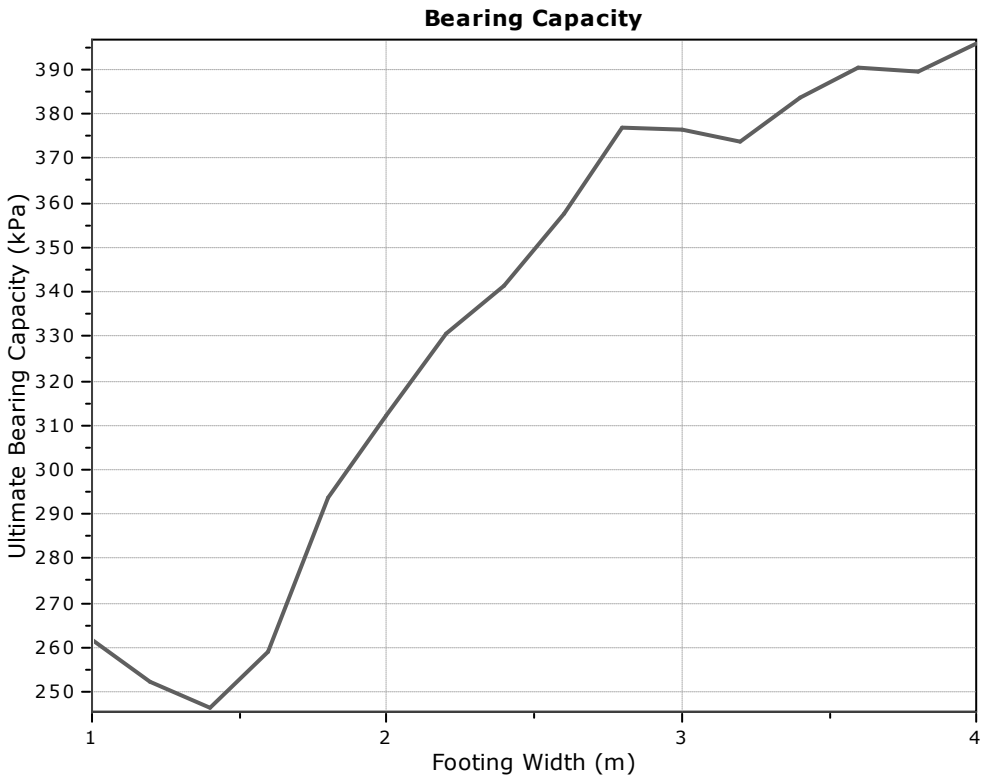


Bearing Capacity calculation is perfromed based on the formula:

$$Q_{ult} = R_k \times q_t + q_{soil}$$

where:
R_k: Bearing capacity factor
q_t: Average corrected cone resistance over calculation depth
q_{soil}: Pressure applied by soil above footing



:: Tabular results ::

No	B (m)	Start Depth (m)	End Depth (m)	Ave. q_t (MPa)	R_k	Soil Press. (kPa)	Ult. bearing cap. (kPa)
1	1.00	0.50	2.00	1.26	0.20	9.50	261.80
2	1.20	0.50	2.30	1.21	0.20	9.50	252.30
3	1.40	0.50	2.60	1.18	0.20	9.50	246.44
4	1.60	0.50	2.90	1.25	0.20	9.50	259.05
5	1.80	0.50	3.20	1.42	0.20	9.50	293.87
6	2.00	0.50	3.50	1.51	0.20	9.50	312.06
7	2.20	0.50	3.80	1.61	0.20	9.50	330.65
8	2.40	0.50	4.10	1.66	0.20	9.50	341.26
9	2.60	0.50	4.40	1.74	0.20	9.50	357.79
10	2.80	0.50	4.70	1.84	0.20	9.50	376.84
11	3.00	0.50	5.00	1.83	0.20	9.50	376.33
12	3.20	0.50	5.30	1.82	0.20	9.50	373.57
13	3.40	0.50	5.60	1.87	0.20	9.50	383.86
14	3.60	0.50	5.90	1.90	0.20	9.50	390.23
15	3.80	0.50	6.20	1.90	0.20	9.50	389.67
16	4.00	0.50	6.50	1.93	0.20	9.50	395.81

Presented below is a list of formulas used for the estimation of various soil properties. The formulas are presented in SI unit system and assume that all components are expressed in the same units.

:: Unit Weight, g (kN/m³) ::

$$g = g_w \cdot \left(0.27 \cdot \log(R_f) + 0.36 \cdot \log(\frac{q_t}{p_a}) + 1.236 \right)$$

where g_w = water unit weight

:: Permeability, k (m/s) ::

$I_c < 3.27$ and $I_c > 1.00$ then $k = 10^{0.952-3.04 \cdot I_c}$

$I_c \leq 4.00$ and $I_c > 3.27$ then $k = 10^{-4.52-1.37 \cdot I_c}$

:: N_{SPT} (blows per 30 cm) ::

$$N_{60} = \left(\frac{q_c}{P_a} \right) \cdot \frac{1}{10^{1.1268-0.2817 \cdot I_c}}$$

$$N_{1(60)} = Q_{tn} \cdot \frac{1}{10^{1.1268-0.2817 \cdot I_c}}$$

:: Young's Modulus, Es (MPa) ::

$(q_t - \sigma_v) \cdot 0.015 \cdot 10^{0.55 \cdot I_c + 1.68}$

(applicable only to $I_c < I_{c_cutoff}$)

:: Relative Density, Dr (%) ::

$100 \cdot \sqrt{\frac{Q_{tn}}{k_{DR}}}$ (applicable only to SBT_n: 5, 6, 7 and 8 or $I_c < I_{c_cutoff}$)

:: State Parameter, ψ ::

$\psi = 0.56 - 0.33 \cdot \log(Q_{tn,cs})$

:: Drained Friction Angle, φ (°) ::

$\varphi = \varphi'_{cv} + 15.94 \cdot \log(Q_{tn,cs}) - 26.88$

(applicable only to SBT_n: 5, 6, 7 and 8 or $I_c < I_{c_cutoff}$)

:: 1-D constrained modulus, M (MPa) ::

If $I_c > 2.20$
$\alpha = 14$ for $Q_{tn} > 14$
$\alpha = Q_{tn}$ for $Q_{tn} \leq 14$
$M_{CPT} = \alpha \cdot (q_t - \sigma_v)$

If $I_c \geq 2.20$

$M_{CPT} = 0.03 \cdot (q_t - \sigma_v) \cdot 10^{0.55 \cdot I_c + 1.68}$

:: Small strain shear Modulus, Go (MPa) ::

$G_0 = (q_t - \sigma_v) \cdot 0.0188 \cdot 10^{0.55 \cdot I_c + 1.68}$

:: Shear Wave Velocity, Vs (m/s) ::

$$V_s = \left(\frac{G_0}{\rho} \right)^{0.50}$$

:: Undrained peak shear strength, Su (kPa) ::

$N_{kt} = 10.50 + 7 \cdot \log(F_r)$ or user defined

$$S_u = \frac{(q_t - \sigma_v)}{N_{kt}}$$

(applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: Remolded undrained shear strength, Su(rem) (kPa) ::

$S_{u(rem)} = f_s$ (applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: Overconsolidation Ratio, OCR ::

$$k_{OCR} = \left[\frac{Q_{tn}^{0.20}}{0.25 \cdot (10.50 \cdot + 7 \cdot \log(F_r))} \right]^{1.25}$$ or user defined

$OCR = k_{OCR} \cdot Q_{tn}$

(applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: In situ Stress Ratio, Ko ::

$K_O = (1 - \sin\varphi') \cdot OCR^{\sin\varphi'}$

(applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: Soil Sensitivity, S_t ::

$$S_t = \frac{N_S}{F_r}$$

(applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: Peak Friction Angle, φ' (°) ::

$\varphi' = 29.5° \cdot B_q^{0.121} \cdot (0.256 + 0.336 \cdot B_q + \log Q_t)$

(applicable for $0.10 < B_q < 1.00$)

References

• Robertson, P.K., Cabal K.L., Guide to Cone Penetration Testing for Geotechnical Engineering, Gregg Drilling & Testing, Inc., 5th Edition, November 2012

• Robertson, P.K., Interpretation of Cone Penetration Tests - a unified approach., Can. Geotech. J. 46(11): 1337–1355 (2009)

• N Barounis, J Philpot, Estimation of in-situ water content, void ratio, dry unit weight and porosity using CPT for saturated sands, Proc. 20th NZGS Geotechnical Symposium

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
1	0.01	0.11	0.01	1.21	0.01	0.11	0.01	1.00	3.53	13.73	0.14	0.00	0.14	801.78	0.01	0.01	0.00	1.00	2.00	3.24	2.17	8.81	17.39	0.00
2	0.02	1.35	0.03	3.64	0.00	1.35	0.00	0.00	2.75	13.73	0.27	0.00	0.27	4916.59	0.00	0.00	0.00	0.80	2.00	2.50	26.66	13.25	52.32	0.00
3	0.03	1.66	0.03	4.60	0.00	1.66	0.00	0.00	2.72	13.73	0.41	0.00	0.41	4030.28	0.00	0.00	0.00	0.79	2.00	2.48	32.78	11.16	61.06	0.00
4	0.04	1.65	0.03	0.09	0.00	1.65	0.00	0.00	2.72	13.73	0.55	0.00	0.55	3002.53	0.00	0.00	0.00	0.79	2.00	2.48	32.56	0.16	60.75	0.00
5	0.05	1.92	2.31	-3.26	0.12	1.92	0.12	5.00	2.21	14.20	0.69	0.00	0.69	2775.11	0.12	0.00	6.00	0.58	2.00	1.92	37.87	-4.72	64.20	6.00
6	0.06	1.77	4.52	-3.45	0.26	1.77	0.26	5.00	2.31	14.94	0.84	0.00	0.84	2103.30	0.26	0.00	6.00	0.62	2.00	2.03	34.91	-4.10	56.90	6.00
7	0.07	1.93	6.18	-2.88	0.32	1.93	0.32	5.00	2.31	15.33	0.99	0.00	0.99	1939.77	0.32	0.00	6.00	0.62	2.00	2.02	38.06	-2.90	58.47	6.00
8	0.08	2.11	9.24	-2.59	0.44	2.11	0.44	5.00	2.32	15.83	1.15	0.00	1.15	1829.40	0.44	0.00	6.00	0.63	2.00	2.04	41.61	-2.25	58.49	6.00
9	0.09	2.17	11.28	-2.49	0.52	2.17	0.52	5.00	2.34	16.07	1.31	0.00	1.31	1651.08	0.52	0.00	6.00	0.64	2.00	2.06	42.80	-1.90	57.22	6.00
10	0.10	2.36	12.61	-2.59	0.53	2.36	0.53	5.00	2.31	16.23	1.48	0.00	1.48	1598.09	0.53	0.00	6.00	0.63	2.00	2.04	46.54	-1.76	59.59	6.00
11	0.11	2.01	13.47	-3.06	0.67	2.01	0.67	5.00	2.41	16.25	1.64	0.00	1.64	1225.74	0.67	0.00	5.00	0.67	2.00	2.14	39.63	-1.87	51.38	6.00
12	0.12	2.08	14.69	-2.78	0.71	2.08	0.71	5.00	2.41	16.36	1.80	0.00	1.80	1153.23	0.71	0.00	5.00	0.67	2.00	2.14	41.01	-1.54	51.53	6.00
13	0.13	2.10	14.25	-3.45	0.68	2.10	0.68	5.00	2.40	16.33	1.96	0.00	1.96	1067.41	0.68	0.00	5.00	0.66	2.00	2.13	41.40	-1.76	52.38	6.00
14	0.14	1.82	16.24	-3.93	0.89	1.82	0.89	5.00	2.51	16.42	2.13	0.00	2.13	853.44	0.89	0.00	5.00	0.71	2.00	2.25	35.87	-1.85	44.94	6.00
15	0.15	1.81	18.64	-3.03	1.03	1.81	1.03	5.00	2.54	16.58	2.29	0.00	2.29	787.43	1.03	0.00	5.00	0.72	2.00	2.28	35.67	-1.32	42.76	6.00
16	0.16	1.74	19.68	-3.03	1.13	1.74	1.13	4.00	2.57	16.63	2.46	0.00	2.46	705.72	1.13	0.00	5.00	0.73	2.00	2.32	34.28	-1.23	40.69	7.00
17	0.17	1.70	18.66	-3.83	1.10	1.70	1.10	4.00	2.58	16.56	2.63	0.00	2.63	645.88	1.10	0.00	5.00	0.73	2.00	2.32	33.49	-1.46	40.71	6.00
18	0.18	1.70	17.57	-4.03	1.03	1.70	1.03	5.00	2.56	16.49	2.79	0.00	2.79	607.66	1.04	0.00	5.00	0.73	2.00	2.30	33.48	-1.44	41.54	6.00
19	0.19	1.69	17.63	-5.59	1.04	1.69	1.04	4.00	2.57	16.49	2.96	0.00	2.96	570.22	1.05	0.00	5.00	0.73	2.00	2.31	33.28	-1.89	41.29	6.00
20	0.20	1.68	16.81	-6.23	1.00	1.68	1.00	5.00	2.56	16.43	3.12	0.00	3.12	536.90	1.00	0.00	5.00	0.73	2.00	2.30	33.07	-2.00	41.75	6.00
21	0.21	1.68	17.16	-6.23	1.02	1.68	1.02	5.00	2.56	16.46	3.29	0.00	3.29	509.95	1.02	0.00	5.00	0.73	2.00	2.31	33.07	-1.90	41.46	6.00
22	0.22	1.66	17.94	-6.23	1.08	1.66	1.08	4.00	2.58	16.50	3.45	0.00	3.45	479.72	1.08	0.00	5.00	0.74	2.00	2.32	32.67	-1.81	40.48	6.00
23	0.23	1.62	18.23	-6.14	1.13	1.62	1.13	4.00	2.60	16.51	3.62	0.00	3.62	446.71	1.13	0.00	5.00	0.74	2.00	2.34	31.88	-1.70	39.52	6.00
24	0.24	1.58	22.41	-6.14	1.42	1.58	1.42	4.00	2.66	16.74	3.78	0.00	3.78	416.32	1.42	0.00	5.00	0.77	2.00	2.41	31.09	-1.62	35.97	7.00
25	0.25	1.56	20.42	-6.14	1.31	1.56	1.31	4.00	2.65	16.63	3.95	0.00	3.95	393.69	1.31	0.00	5.00	0.76	2.00	2.39	30.69	-1.55	36.89	7.00
26	0.26	1.56	19.88	-6.23	1.27	1.56	1.28	4.00	2.64	16.60	4.12	0.00	4.12	377.76	1.28	0.00	5.00	0.76	2.00	2.39	30.68	-1.51	37.24	6.00
27	0.27	1.51	17.56	-6.23	1.16	1.51	1.16	4.00	2.63	16.44	4.28	0.00	4.28	351.53	1.17	0.00	5.00	0.76	2.00	2.38	29.69	-1.46	37.93	6.00
28	0.28	1.47	17.14	-6.14	1.17	1.47	1.17	4.00	2.64	16.40	4.44	0.00	4.44	329.52	1.17	0.00	5.00	0.76	2.00	2.39	28.90	-1.38	37.47	6.00
29	0.29	1.41	18.52	-6.23	1.31	1.41	1.31	4.00	2.68	16.48	4.61	0.00	4.61	304.68	1.32	0.00	5.00	0.78	2.00	2.43	27.71	-1.35	35.39	6.00
30	0.30	1.35	17.79	-6.35	1.32	1.35	1.32	4.00	2.70	16.41	4.77	0.00	4.77	281.59	1.32	0.00	5.00	0.78	2.00	2.45	26.53	-1.33	34.75	6.00
31	0.31	1.33	17.82	-6.35	1.34	1.33	1.34	4.00	2.71	16.41	4.94	0.00	4.94	268.14	1.35	0.00	5.00	0.79	2.00	2.46	26.13	-1.29	34.35	6.00
32	0.32	1.29	17.26	-6.47	1.34	1.29	1.34	4.00	2.72	16.36	5.10	0.00	5.10	251.66	1.34	-0.01	5.00	0.79	2.00	2.47	25.34	-1.27	33.95	6.00
33	0.33	1.25	16.73	-6.67	1.34	1.25	1.34	4.00	2.73	16.31	5.26	0.00	5.26	236.22	1.35	-0.01	5.00	0.80	2.00	2.48	24.54	-1.27	33.53	6.00
34	0.34	1.22	16.48	-6.67	1.35	1.22	1.35	4.00	2.75	16.29	5.43	0.00	5.43	223.57	1.36	-0.01	5.00	0.80	2.00	2.49	23.95	-1.23	33.11	6.00
35	0.35	1.18	16.11	-6.76	1.37	1.18	1.37	4.00	2.76	16.25	5.59	0.00	5.59	209.88	1.37	-0.01	5.00	0.81	2.00	2.51	23.15	-1.21	32.57	6.00
36	0.36	1.16	15.53	-6.85	1.34	1.16	1.34	4.00	2.76	16.20	5.75	0.00	5.75	200.46	1.35	-0.01	5.00	0.81	2.00	2.51	22.75	-1.19	32.54	6.00
37	0.37	1.13	15.16	-6.85	1.34	1.13	1.34	4.00	2.77	16.16	5.91	0.00	5.91	189.88	1.35	-0.01	5.00	0.81	2.00	2.52	22.16	-1.16	32.18	6.00
38	0.38	1.11	14.96	-7.17	1.35	1.11	1.35	4.00	2.78	16.14	6.07	0.00	6.07	181.50	1.36	-0.01	5.00	0.82	2.00	2.53	21.76	-1.18	31.91	4.00
39	0.39	1.09	14.68	-7.23	1.35	1.09	1.35	4.00	2.79	16.11	6.23	0.00	6.23	173.58	1.36	-0.01	5.00	0.82	2.00	2.53	21.36	-1.16	31.69	4.00
40	0.40	1.09	14.49	-7.47	1.33	1.09	1.33	4.00	2.78	16.10	6.40	0.00	6.40	169.18	1.34	-0.01	5.00	0.82	2.00	2.53	21.36	-1.17	31.80	4.00
41	0.41	1.07	14.54	-7.51	1.36	1.07	1.36	4.00	2.80	16.09	6.56	0.00	6.56	161.95	1.37	-0.01	5.00	0.82	2.00	2.54	20.96	-1.15	31.37	4.00
42	0.42	1.09	13.84	-7.51	1.27	1.09	1.27	4.00	2.78	16.04	6.72	0.00	6.72	161.04	1.28	-0.01	5.00	0.81	2.00	2.52	21.35	-1.12	32.22	6.00
43	0.43	1.09	14.19	-7.51	1.30	1.09	1.30	4.00	2.78	16.07	6.88	0.00	6.88	157.25	1.31	-0.01	5.00	0.82	2.00	2.52	21.35	-1.09	31.98	4.00
44	0.44	1.11	16.87	-7.62	1.52	1.11	1.52	4.00	2.81	16.28	7.04	0.00	7.04	156.43	1.53	-0.01	4.00	0.83	2.00	2.55	21.74	-1.08	30.73	4.00
45	0.45	1.10	18.73	-7.62	1.70	1.10	1.71	4.00	2.83	16.39	7.20	0.00	7.20	151.46	1.72	-0.01	4.00	0.84	2.00	2.58	21.54	-1.06	29.48	4.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
46	0.46	1.12	21.16	-7.75	1.89	1.12	1.89	4.00	2.85	16.54	7.37	0.00	7.37	150.75	1.90	-0.01	4.00	0.85	2.00	2.60	21.93	-1.05	28.57	4.00
47	0.47	1.12	23.27	-7.75	2.08	1.12	2.08	4.00	2.87	16.65	7.54	0.00	7.54	147.39	2.09	-0.01	4.00	0.86	2.00	2.63	21.93	-1.03	27.54	5.00
48	0.48	1.15	24.85	-7.62	2.16	1.15	2.16	4.00	2.87	16.74	7.70	0.00	7.70	148.07	2.18	-0.01	4.00	0.86	2.00	2.63	22.52	-0.99	27.31	5.00
49	0.49	1.16	23.98	-7.75	2.07	1.16	2.07	4.00	2.86	16.70	7.87	0.00	7.87	146.17	2.08	-0.01	4.00	0.85	2.00	2.61	22.71	-0.98	27.88	5.00
50	0.50	1.18	23.35	-7.93	1.98	1.18	1.98	4.00	2.84	16.67	8.04	0.00	8.04	145.60	2.00	-0.01	4.00	0.84	2.00	2.60	23.10	-0.99	28.51	5.00
51	0.51	1.23	22.85	-8.02	1.86	1.23	1.86	4.00	2.81	16.67	8.20	0.00	8.20	148.72	1.87	-0.01	4.00	0.83	2.00	2.57	24.08	-0.98	29.61	5.00
52	0.52	1.19	22.57	-8.02	1.90	1.19	1.90	4.00	2.83	16.64	8.37	0.00	8.37	140.96	1.91	-0.01	4.00	0.84	2.00	2.58	23.29	-0.96	29.06	5.00
53	0.53	1.19	22.63	-8.19	1.90	1.19	1.90	4.00	2.83	16.64	8.54	0.00	8.54	138.19	1.92	-0.01	4.00	0.84	2.00	2.58	23.29	-0.96	29.03	5.00
54	0.54	1.18	22.23	-8.28	1.88	1.18	1.89	4.00	2.83	16.62	8.70	0.00	8.70	134.38	1.90	-0.01	4.00	0.84	2.00	2.59	23.09	-0.95	29.05	5.00
55	0.55	1.22	21.45	8.39	1.76	1.22	1.76	4.00	2.80	16.59	8.87	0.00	8.87	136.75	1.77	0.01	4.00	0.83	2.00	2.55	23.94	0.95	30.21	5.00
56	0.56	1.25	21.02	-8.56	1.68	1.25	1.68	4.00	2.78	16.58	9.04	0.00	9.04	137.15	1.70	-0.01	4.00	0.82	2.00	2.54	24.46	-0.95	30.91	5.00
57	0.57	1.25	20.32	-8.56	1.63	1.25	1.63	4.00	2.78	16.54	9.20	0.00	9.20	134.67	1.64	-0.01	4.00	0.82	2.00	2.53	24.46	-0.93	31.29	4.00
58	0.58	1.27	19.98	-8.73	1.57	1.27	1.58	4.00	2.76	16.52	9.37	0.00	9.37	134.41	1.59	-0.01	5.00	0.81	2.00	2.51	24.85	-0.93	31.84	4.00
59	0.59	1.27	19.56	-8.82	1.54	1.27	1.54	4.00	2.76	16.50	9.53	0.00	9.53	132.06	1.55	-0.01	5.00	0.81	2.00	2.51	24.84	-0.93	32.08	6.00
60	0.60	1.29	19.14	-8.91	1.48	1.29	1.49	4.00	2.74	16.48	9.70	0.00	9.70	131.86	1.50	-0.01	5.00	0.81	2.00	2.49	25.23	-0.92	32.69	6.00
61	0.61	1.31	18.78	-8.82	1.43	1.31	1.44	4.00	2.73	16.46	9.86	0.00	9.86	131.67	1.45	-0.01	5.00	0.80	2.00	2.48	25.63	-0.89	33.27	6.00
62	0.62	1.33	18.40	-8.65	1.38	1.33	1.39	4.00	2.72	16.45	10.02	0.00	10.02	131.49	1.40	-0.01	5.00	0.79	2.00	2.47	26.02	-0.86	33.88	6.00
63	0.63	1.34	17.89	-8.44	1.34	1.34	1.34	4.00	2.71	16.42	10.19	0.00	10.19	130.34	1.35	-0.01	5.00	0.79	2.00	2.46	26.21	-0.83	34.39	6.00
64	0.64	1.33	17.12	-8.11	1.29	1.33	1.29	4.00	2.70	16.36	10.35	0.00	10.35	127.31	1.30	-0.01	5.00	0.79	2.00	2.45	26.01	-0.78	34.70	6.00
65	0.65	1.36	16.85	-7.92	1.24	1.36	1.24	4.00	2.69	16.35	10.52	0.00	10.52	128.17	1.25	-0.01	5.00	0.78	2.00	2.43	26.60	-0.75	35.45	6.00
66	0.66	1.42	16.33	-7.74	1.15	1.42	1.15	4.00	2.65	16.33	10.68	0.00	10.68	131.82	1.16	-0.01	5.00	0.77	2.00	2.40	27.79	-0.72	36.96	6.00
67	0.67	1.45	16.52	-7.23	1.14	1.45	1.14	4.00	2.64	16.36	10.84	0.00	10.84	132.59	1.15	-0.01	5.00	0.77	2.00	2.39	28.38	-0.67	37.40	6.00
68	0.68	1.49	16.45	-6.96	1.10	1.49	1.11	4.00	2.63	16.36	11.01	0.00	11.01	134.24	1.11	0.00	5.00	0.76	2.00	2.37	29.16	-0.63	38.22	6.00
69	0.69	1.53	16.63	-6.67	1.09	1.53	1.09	4.00	2.61	16.38	11.17	0.00	11.17	135.85	1.10	0.00	5.00	0.75	2.00	2.36	29.95	-0.60	38.85	6.00
70	0.70	1.57	16.63	-6.67	1.06	1.57	1.06	4.00	2.60	16.39	11.33	0.00	11.33	137.40	1.07	0.00	5.00	0.75	2.00	2.34	30.74	-0.59	39.62	6.00
71	0.71	1.63	16.75	-6.23	1.03	1.63	1.03	4.00	2.58	16.42	11.50	0.00	11.50	140.65	1.04	0.00	5.00	0.74	2.00	2.32	31.92	-0.54	40.68	6.00
72	0.72	1.69	16.72	-6.03	0.99	1.69	0.99	5.00	2.56	16.43	11.66	0.00	11.66	143.80	1.00	0.00	5.00	0.73	2.00	2.30	33.10	-0.52	41.85	6.00
73	0.73	1.72	16.78	-5.86	0.98	1.72	0.98	5.00	2.55	16.44	11.83	0.00	11.83	144.33	0.98	0.00	5.00	0.73	2.00	2.29	33.69	-0.50	42.37	6.00
74	0.74	1.75	16.82	-5.65	0.96	1.75	0.96	5.00	2.54	16.45	11.99	0.00	11.99	144.84	0.97	0.00	5.00	0.72	2.00	2.28	34.28	-0.47	42.91	6.00
75	0.75	1.72	16.85	-5.25	0.98	1.72	0.98	5.00	2.55	16.44	12.16	0.00	12.16	140.40	0.99	0.00	5.00	0.73	2.00	2.29	33.69	-0.43	42.31	6.00
76	0.76	1.70	16.88	-5.01	0.99	1.70	0.99	5.00	2.55	16.44	12.32	0.00	12.32	136.90	1.00	0.00	5.00	0.73	2.00	2.30	33.29	-0.41	41.90	6.00
77	0.77	1.69	16.89	-4.23	1.00	1.69	1.00	5.00	2.56	16.44	12.48	0.00	12.48	134.29	1.01	0.00	5.00	0.73	2.00	2.30	33.09	-0.34	41.70	6.00
78	0.78	1.68	16.93	-4.23	1.01	1.68	1.01	5.00	2.56	16.44	12.65	0.00	12.65	131.74	1.02	0.00	5.00	0.73	2.00	2.31	32.89	-0.33	41.48	6.00
79	0.79	1.66	16.99	-4.12	1.02	1.66	1.02	4.00	2.57	16.44	12.81	0.00	12.81	128.48	1.03	0.00	5.00	0.74	2.00	2.31	32.50	-0.32	41.04	6.00
80	0.80	1.64	17.13	-3.75	1.04	1.64	1.05	4.00	2.58	16.45	12.98	0.00	12.98	125.31	1.05	0.00	5.00	0.74	2.00	2.32	32.10	-0.29	40.55	6.00
81	0.81	1.65	17.25	-3.45	1.05	1.65	1.05	4.00	2.58	16.46	13.14	0.00	13.14	124.49	1.05	0.00	5.00	0.74	2.00	2.32	32.29	-0.26	40.65	6.00
82	0.82	1.66	17.37	-2.56	1.05	1.66	1.05	4.00	2.57	16.47	13.31	0.00	13.31	123.70	1.06	0.00	5.00	0.74	2.00	2.32	32.49	-0.19	40.75	6.00
83	0.83	1.57	17.42	-1.85	1.11	1.57	1.11	4.00	2.61	16.45	13.47	0.00	13.47	115.51	1.12	0.00	5.00	0.75	2.00	2.35	30.72	-0.14	39.01	6.00
84	0.84	1.54	17.46	-1.01	1.13	1.54	1.13	4.00	2.62	16.44	13.64	0.00	13.64	111.92	1.14	0.00	5.00	0.76	2.00	2.37	30.12	-0.07	38.41	6.00
85	0.85	1.49	17.50	-0.63	1.17	1.49	1.17	4.00	2.64	16.43	13.80	0.00	13.80	106.96	1.19	0.00	5.00	0.77	2.00	2.39	29.14	-0.05	37.43	6.00
86	0.86	1.37	17.58	-1.12	1.28	1.37	1.28	4.00	2.69	16.41	13.96	0.00	13.96	97.09	1.30	0.00	5.00	0.79	2.00	2.44	26.76	-0.08	35.11	6.00
87	0.87	1.29	17.63	-1.45	1.37	1.29	1.37	4.00	2.73	16.39	14.13	0.00	14.13	90.28	1.38	0.00	5.00	0.80	2.00	2.48	25.18	-0.10	33.57	6.00
88	0.88	1.21	17.79	-1.92	1.47	1.21	1.47	4.00	2.77	16.37	14.29	0.00	14.29	83.63	1.49	0.00	5.00	0.82	2.00	2.52	23.59	-0.13	31.96	4.00
89	0.89	1.16	17.90	-2.01	1.54	1.16	1.54	4.00	2.79	16.36	14.46	0.00	14.46	79.22	1.56	0.00	4.00	0.83	2.00	2.54	22.60	-0.14	30.95	4.00
90	0.90	1.12	18.02	-2.11	1.61	1.12	1.61	4.00	2.81	16.36	14.62	0.00	14.62	75.58	1.63	0.00	4.00	0.84	2.00	2.57	21.81	-0.14	30.13	4.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
91	0.91	1.09	18.17	-2.20	1.67	1.09	1.67	4.00	2.83	16.36	14.78	0.00	14.78	72.70	1.69	0.00	4.00	0.84	2.00	2.59	21.21	-0.15	29.48	4.00
92	0.92	1.05	18.29	-2.30	1.74	1.05	1.74	4.00	2.86	16.35	14.95	0.00	14.95	69.22	1.77	0.00	4.00	0.85	2.00	2.61	20.42	-0.15	28.67	4.00
93	0.93	1.02	18.36	-2.40	1.80	1.02	1.80	4.00	2.87	16.34	15.11	0.00	15.11	66.47	1.83	0.00	4.00	0.86	2.00	2.63	19.83	-0.16	28.07	4.00
94	0.94	0.99	18.42	-2.40	1.86	0.99	1.86	4.00	2.89	16.34	15.27	0.00	15.27	63.79	1.89	0.00	4.00	0.87	2.00	2.65	19.23	-0.16	27.48	4.00
95	0.95	0.96	18.58	-2.49	1.94	0.96	1.94	4.00	2.91	16.33	15.44	0.00	15.44	61.16	1.97	0.00	4.00	0.88	2.00	2.67	18.63	-0.16	26.84	4.00
96	0.96	0.93	18.69	-2.59	2.01	0.93	2.01	3.00	2.93	16.33	15.60	0.00	15.60	58.58	2.05	0.00	4.00	0.88	2.00	2.69	18.04	-0.17	26.23	4.00
97	0.97	0.91	18.77	-2.68	2.06	0.91	2.06	3.00	2.95	16.32	15.76	0.00	15.76	56.69	2.10	0.00	4.00	0.89	2.00	2.71	17.64	-0.17	25.82	4.00
98	0.98	0.89	18.82	-2.68	2.11	0.89	2.12	3.00	2.96	16.32	15.93	0.00	15.93	54.85	2.15	0.00	4.00	0.89	2.00	2.72	17.24	-0.17	25.42	4.00
99	0.99	0.87	18.95	-2.68	2.18	0.87	2.18	3.00	2.98	16.32	16.09	0.00	16.09	53.04	2.22	0.00	4.00	0.90	2.00	2.74	16.84	-0.17	24.99	4.00
100	1.00	0.85	18.85	-2.78	2.22	0.85	2.22	3.00	2.99	16.30	16.25	0.00	16.25	51.26	2.26	0.00	4.00	0.91	2.00	2.75	16.45	-0.17	24.67	4.00
101	1.01	0.83	18.82	-2.78	2.27	0.83	2.27	3.00	3.00	16.29	16.42	0.00	16.42	49.53	2.31	0.00	4.00	0.91	2.00	2.76	16.05	-0.17	24.31	4.00
102	1.02	0.80	18.78	-2.78	2.35	0.80	2.35	3.00	3.03	16.28	16.58	0.00	16.58	47.22	2.40	0.00	4.00	0.92	2.00	2.79	15.45	-0.17	23.77	4.00
103	1.03	0.78	18.66	-2.88	2.39	0.78	2.39	3.00	3.04	16.26	16.74	0.00	16.74	45.56	2.45	0.00	4.00	0.93	2.00	2.80	15.05	-0.17	23.45	4.00
104	1.04	0.77	18.52	-2.88	2.41	0.77	2.41	3.00	3.04	16.24	16.90	0.00	16.90	44.52	2.46	0.00	4.00	0.93	2.00	2.81	14.85	-0.17	23.32	4.00
105	1.05	0.76	18.45	-2.97	2.43	0.76	2.43	3.00	3.05	16.24	17.07	0.00	17.07	43.50	2.49	0.00	4.00	0.93	2.00	2.81	14.65	-0.17	23.17	4.00
106	1.06	0.74	18.23	-2.97	2.46	0.74	2.47	3.00	3.06	16.21	17.23	0.00	17.23	41.92	2.52	0.00	4.00	0.94	2.00	2.83	14.25	-0.17	22.88	4.00
107	1.07	0.73	18.20	-2.97	2.49	0.73	2.50	3.00	3.07	16.20	17.39	0.00	17.39	40.94	2.56	0.00	4.00	0.94	2.00	2.84	14.05	-0.17	22.71	4.00
108	1.08	0.73	16.87	-3.07	2.31	0.73	2.31	3.00	3.06	16.12	17.55	0.00	17.55	40.56	2.37	0.00	4.00	0.93	2.00	2.82	14.05	-0.17	23.28	4.00
109	1.09	0.74	14.65	-2.97	1.98	0.74	1.98	3.00	3.02	15.96	17.71	0.00	17.71	40.75	2.03	0.00	4.00	0.92	2.00	2.77	14.24	-0.17	24.51	4.00
110	1.10	0.76	13.63	-2.97	1.79	0.76	1.79	3.00	2.98	15.89	17.87	0.00	17.87	41.50	1.84	0.00	4.00	0.90	2.00	2.74	14.64	-0.17	25.42	4.00
111	1.11	0.82	13.75	-2.88	1.68	0.82	1.68	3.00	2.94	15.93	18.03	0.00	18.03	44.45	1.72	0.00	4.00	0.89	2.00	2.70	15.82	-0.16	26.58	4.00
112	1.12	0.85	13.65	-2.78	1.61	0.85	1.61	4.00	2.92	15.93	18.19	0.00	18.19	45.70	1.64	0.00	4.00	0.88	2.00	2.67	16.41	-0.15	27.24	4.00
113	1.13	0.90	13.62	-2.50	1.51	0.90	1.51	4.00	2.88	15.95	18.35	0.00	18.35	48.02	1.55	0.00	4.00	0.86	2.00	2.64	17.39	-0.14	28.27	4.00
114	1.14	0.96	14.54	-2.49	1.51	0.96	1.52	4.00	2.86	16.05	18.51	0.00	18.51	50.84	1.55	0.00	4.00	0.85	2.00	2.61	18.57	-0.13	28.95	4.00
115	1.15	1.02	14.69	-2.40	1.44	1.02	1.44	4.00	2.83	16.09	18.67	0.00	18.67	53.61	1.47	0.00	4.00	0.84	2.00	2.58	19.75	-0.13	30.06	4.00
116	1.16	1.08	14.76	-2.30	1.37	1.08	1.37	4.00	2.79	16.11	18.83	0.00	18.83	56.33	1.39	0.00	4.00	0.83	2.00	2.55	20.94	-0.12	31.21	4.00
117	1.17	1.14	14.54	-2.20	1.28	1.14	1.28	4.00	2.76	16.12	18.99	0.00	18.99	59.00	1.30	0.00	5.00	0.82	2.00	2.51	22.12	-0.12	32.54	6.00
118	1.18	1.21	14.25	-2.11	1.18	1.21	1.18	4.00	2.72	16.12	19.15	0.00	19.15	62.15	1.20	0.00	5.00	0.80	2.00	2.47	23.50	-0.11	34.14	6.00
119	1.19	1.26	14.22	-2.68	1.13	1.26	1.13	4.00	2.69	16.13	19.31	0.00	19.31	64.21	1.15	0.00	5.00	0.79	2.00	2.44	24.48	-0.14	35.16	6.00
120	1.20	1.31	14.16	-2.59	1.08	1.31	1.08	4.00	2.67	16.14	19.48	0.00	19.48	66.24	1.10	0.00	5.00	0.78	2.00	2.42	25.46	-0.13	36.20	6.00
121	1.21	1.35	14.03	-2.49	1.04	1.35	1.04	4.00	2.65	16.14	19.64	0.00	19.64	67.72	1.06	0.00	5.00	0.77	2.00	2.40	26.25	-0.13	37.10	6.00
122	1.22	1.39	13.62	-2.40	0.98	1.39	0.98	4.00	2.63	16.12	19.80	0.00	19.80	69.19	0.99	0.00	5.00	0.76	2.00	2.37	27.04	-0.12	38.23	6.00
123	1.23	1.42	13.12	-2.40	0.92	1.42	0.92	4.00	2.61	16.08	19.96	0.00	19.96	70.12	0.94	0.00	5.00	0.76	2.00	2.35	27.62	-0.12	39.23	6.00
124	1.24	1.44	11.86	-2.40	0.82	1.44	0.82	5.00	2.58	15.97	20.12	0.00	20.12	70.55	0.84	0.00	5.00	0.74	2.00	2.32	28.02	-0.12	40.70	6.00
125	1.25	1.43	10.37	-2.49	0.73	1.43	0.73	5.00	2.56	15.82	20.28	0.00	20.28	69.50	0.74	0.00	5.00	0.74	2.00	2.30	27.82	-0.12	41.80	6.00
126	1.26	1.43	9.84	-2.49	0.69	1.43	0.69	5.00	2.55	15.76	20.43	0.00	20.43	68.96	0.70	0.00	5.00	0.73	2.00	2.29	27.81	-0.12	42.28	6.00
127	1.27	1.40	9.69	-2.59	0.69	1.40	0.69	5.00	2.56	15.73	20.59	0.00	20.59	66.96	0.70	0.00	5.00	0.74	2.00	2.30	27.22	-0.13	41.76	6.00
128	1.28	1.38	9.21	-2.68	0.67	1.38	0.67	5.00	2.56	15.67	20.75	0.00	20.75	65.49	0.68	0.00	5.00	0.74	2.00	2.30	26.82	-0.13	41.75	6.00
129	1.29	1.36	9.08	-2.78	0.67	1.36	0.67	5.00	2.56	15.64	20.90	0.00	20.90	64.03	0.68	0.00	5.00	0.74	2.00	2.30	26.42	-0.13	41.42	6.00
130	1.30	1.33	8.78	-2.78	0.66	1.33	0.66	5.00	2.57	15.60	21.06	0.00	21.06	62.12	0.67	0.00	5.00	0.74	2.00	2.31	25.82	-0.13	41.02	6.00
131	1.31	1.31	8.58	-2.88	0.65	1.31	0.66	5.00	2.58	15.56	21.22	0.00	21.22	60.72	0.67	0.00	5.00	0.74	2.00	2.31	25.43	-0.14	40.75	6.00
132	1.32	1.29	8.20	-2.97	0.64	1.29	0.64	5.00	2.58	15.51	21.37	0.00	21.37	59.33	0.65	0.00	5.00	0.74	2.00	2.31	25.03	-0.14	40.64	6.00
133	1.33	1.26	7.85	-2.97	0.62	1.26	0.62	5.00	2.58	15.45	21.53	0.00	21.53	57.51	0.63	0.00	5.00	0.74	2.00	2.32	24.43	-0.14	40.28	6.00
134	1.34	1.25	7.66	-3.07	0.61	1.25	0.61	5.00	2.58	15.42	21.68	0.00	21.68	56.63	0.62	0.00	5.00	0.74	2.00	2.32	24.23	-0.14	40.22	6.00
135	1.35	1.22	7.44	-3.07	0.61	1.22	0.61	5.00	2.59	15.37	21.83	0.00	21.83	54.85	0.62	0.00	5.00	0.75	2.00	2.33	23.64	-0.14	39.72	6.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
136	1.36	1.20	7.28	-3.16	0.61	1.20	0.61	5.00	2.60	15.34	21.99	0.00	21.99	53.55	0.62	0.00	5.00	0.75	2.00	2.33	23.24	-0.14	39.40	6.00
137	1.37	1.17	7.25	-3.26	0.62	1.17	0.62	4.00	2.61	15.33	22.14	0.00	22.14	51.81	0.63	0.00	5.00	0.76	2.00	2.35	22.64	-0.15	38.72	6.00
138	1.38	1.14	7.34	-3.26	0.64	1.14	0.64	4.00	2.63	15.33	22.29	0.00	22.29	50.11	0.66	0.00	5.00	0.76	2.00	2.37	22.05	-0.15	37.93	6.00
139	1.39	1.12	7.34	-3.35	0.66	1.12	0.66	4.00	2.64	15.32	22.45	0.00	22.45	48.87	0.67	0.00	5.00	0.77	2.00	2.38	21.65	-0.15	37.46	6.00
140	1.40	1.08	7.41	-3.55	0.69	1.08	0.69	4.00	2.66	15.32	22.60	0.00	22.60	46.76	0.70	0.00	5.00	0.78	2.00	2.40	20.86	-0.16	36.46	6.00
141	1.41	1.05	7.43	-3.55	0.71	1.05	0.71	4.00	2.68	15.31	22.75	0.00	22.75	45.12	0.72	0.00	5.00	0.78	2.00	2.42	20.26	-0.16	35.74	6.00
142	1.42	1.02	7.47	-3.55	0.73	1.02	0.73	4.00	2.70	15.31	22.91	0.00	22.91	43.50	0.75	0.00	5.00	0.79	2.00	2.44	19.67	-0.15	35.01	6.00
143	1.43	0.99	7.38	-3.74	0.75	0.99	0.75	4.00	2.71	15.28	23.06	0.00	23.06	41.90	0.76	0.00	5.00	0.80	2.00	2.45	19.07	-0.16	34.38	6.00
144	1.44	0.96	7.47	-3.74	0.78	0.96	0.78	4.00	2.73	15.29	23.21	0.00	23.21	40.32	0.80	0.00	5.00	0.80	2.00	2.47	18.48	-0.16	33.60	6.00
145	1.45	0.93	7.66	-3.83	0.82	0.93	0.82	4.00	2.75	15.30	23.36	0.00	23.36	38.77	0.85	0.00	5.00	0.81	2.00	2.50	17.88	-0.16	32.75	6.00
146	1.46	0.91	7.94	-3.83	0.87	0.91	0.87	4.00	2.77	15.33	23.52	0.00	23.52	37.66	0.90	0.00	5.00	0.82	2.00	2.52	17.48	-0.16	32.08	4.00
147	1.47	0.89	8.39	-3.83	0.94	0.89	0.94	4.00	2.79	15.39	23.67	0.00	23.67	36.56	0.97	0.00	5.00	0.83	2.00	2.54	17.08	-0.16	31.29	4.00
148	1.48	0.87	8.89	-3.93	1.02	0.87	1.02	4.00	2.82	15.45	23.83	0.00	23.83	35.48	1.05	0.00	4.00	0.84	2.00	2.57	16.69	-0.16	30.48	4.00
149	1.49	0.85	9.27	-3.93	1.09	0.85	1.09	4.00	2.84	15.49	23.98	0.00	23.98	34.41	1.12	0.00	4.00	0.85	2.00	2.59	16.29	-0.16	29.77	4.00
150	1.50	0.84	10.28	-4.03	1.22	0.84	1.23	4.00	2.87	15.60	24.14	0.00	24.14	33.77	1.26	0.00	4.00	0.86	2.00	2.62	16.09	-0.17	28.89	4.00
151	1.51	0.82	10.75	-4.03	1.31	0.82	1.31	4.00	2.89	15.64	24.29	0.00	24.29	32.72	1.35	-0.01	4.00	0.87	2.00	2.65	15.69	-0.17	28.16	4.00
152	1.52	0.82	11.32	-3.93	1.38	0.82	1.38	4.00	2.90	15.70	24.45	0.00	24.45	32.50	1.42	0.00	4.00	0.87	2.00	2.66	15.69	-0.16	27.82	4.00
153	1.53	0.82	12.01	-3.93	1.46	0.82	1.47	4.00	2.91	15.77	24.61	0.00	24.61	32.29	1.51	0.00	4.00	0.88	2.00	2.67	15.68	-0.16	27.41	4.00
154	1.54	0.82	12.71	-3.93	1.55	0.82	1.55	4.00	2.93	15.84	24.77	0.00	24.77	32.08	1.60	0.00	4.00	0.88	2.00	2.68	15.68	-0.16	27.01	4.00
155	1.55	0.82	13.24	-3.93	1.61	0.82	1.62	4.00	2.93	15.88	24.93	0.00	24.93	31.86	1.67	0.00	4.00	0.89	2.00	2.69	15.68	-0.16	26.71	4.00
156	1.56	0.83	13.87	-3.83	1.67	0.83	1.67	3.00	2.94	15.94	25.08	0.00	25.08	32.06	1.72	0.00	4.00	0.89	2.00	2.70	15.87	-0.15	26.57	4.00
157	1.57	0.84	14.41	-3.83	1.72	0.84	1.72	3.00	2.94	15.99	25.24	0.00	25.24	32.24	1.77	0.00	4.00	0.89	2.00	2.70	16.07	-0.15	26.48	4.00
158	1.58	0.85	14.95	-3.83	1.76	0.85	1.76	3.00	2.94	16.04	25.41	0.00	25.41	32.43	1.81	0.00	4.00	0.89	2.00	2.70	16.26	-0.15	26.39	4.00
159	1.59	0.87	15.45	-3.83	1.78	0.87	1.78	3.00	2.93	16.08	25.57	0.00	25.57	33.00	1.83	0.00	4.00	0.89	2.00	2.69	16.65	-0.15	26.52	4.00
160	1.60	0.89	15.99	-3.83	1.80	0.89	1.80	4.00	2.93	16.13	25.73	0.00	25.73	33.56	1.85	0.00	4.00	0.89	2.00	2.69	17.04	-0.15	26.63	4.00
161	1.61	0.92	16.27	-3.74	1.77	0.92	1.77	4.00	2.91	16.16	25.89	0.00	25.89	34.51	1.82	0.00	4.00	0.88	2.00	2.67	17.63	-0.14	27.06	4.00
162	1.62	0.95	16.49	-3.74	1.74	0.95	1.74	4.00	2.89	16.19	26.05	0.00	26.05	35.44	1.79	0.00	4.00	0.87	2.00	2.65	18.22	-0.14	27.52	4.00
163	1.63	0.99	16.52	-3.64	1.67	0.99	1.67	4.00	2.87	16.21	26.21	0.00	26.21	36.74	1.72	0.00	4.00	0.86	2.00	2.63	19.01	-0.14	28.27	4.00
164	1.64	1.04	16.52	-3.64	1.59	1.04	1.59	4.00	2.84	16.23	26.38	0.00	26.38	38.40	1.63	0.00	4.00	0.85	2.00	2.60	19.99	-0.14	29.23	4.00
165	1.65	1.11	16.41	-3.45	1.48	1.11	1.48	4.00	2.80	16.25	26.54	0.00	26.54	40.80	1.52	0.00	4.00	0.84	2.00	2.56	21.37	-0.13	30.64	4.00
166	1.66	1.17	16.30	-3.35	1.39	1.17	1.39	4.00	2.77	16.26	26.70	0.00	26.70	42.79	1.43	0.00	5.00	0.82	2.00	2.52	22.55	-0.13	31.86	4.00
167	1.67	1.26	16.11	-3.16	1.28	1.26	1.28	4.00	2.72	16.27	26.86	0.00	26.86	45.88	1.31	0.00	5.00	0.81	2.00	2.48	24.33	-0.12	33.72	6.00
168	1.68	1.34	16.23	-2.97	1.21	1.34	1.21	4.00	2.69	16.31	27.03	0.00	27.03	48.56	1.24	0.00	5.00	0.79	2.00	2.44	25.90	-0.11	35.19	6.00
169	1.69	1.44	16.32	-2.78	1.13	1.44	1.13	4.00	2.64	16.34	27.19	0.00	27.19	51.94	1.16	0.00	5.00	0.78	2.00	2.40	27.88	-0.10	37.06	6.00
170	1.70	1.54	14.79	-2.59	0.96	1.54	0.96	4.00	2.59	16.25	27.35	0.00	27.35	55.28	0.98	0.00	5.00	0.75	2.00	2.33	29.85	-0.09	40.17	6.00
171	1.71	1.63	14.28	-2.40	0.88	1.63	0.88	5.00	2.54	16.23	27.51	0.00	27.51	58.22	0.89	0.00	5.00	0.74	2.00	2.29	31.62	-0.09	42.39	6.00
172	1.72	1.72	13.85	-2.20	0.81	1.72	0.81	5.00	2.51	16.22	27.68	0.00	27.68	61.13	0.82	0.00	5.00	0.72	2.00	2.25	33.39	-0.08	44.58	6.00
173	1.73	1.81	13.12	-1.92	0.72	1.81	0.73	5.00	2.47	16.18	27.84	0.00	27.84	64.00	0.74	0.00	5.00	0.71	2.00	2.21	35.17	-0.07	47.10	6.00
174	1.74	1.86	12.67	-1.80	0.68	1.86	0.68	5.00	2.44	16.15	28.00	0.00	28.00	65.42	0.69	0.00	5.00	0.70	2.00	2.19	36.15	-0.06	48.58	6.00
175	1.75	1.89	12.04	1.81	0.64	1.89	0.64	5.00	2.43	16.09	28.16	0.00	28.16	66.13	0.65	0.00	5.00	0.69	2.00	2.17	36.76	0.06	49.87	6.00
176	1.76	1.92	11.41	-1.82	0.59	1.92	0.59	5.00	2.41	16.04	28.32	0.00	28.32	66.78	0.60	0.00	5.00	0.68	2.00	2.15	37.33	-0.06	51.16	6.00
177	1.77	1.90	10.12	-1.92	0.53	1.90	0.53	5.00	2.39	15.90	28.48	0.00	28.48	65.70	0.54	0.00	5.00	0.67	2.00	2.13	36.93	-0.07	52.16	6.00
178	1.78	1.86	9.27	-2.01	0.50	1.86	0.50	5.00	2.39	15.79	28.64	0.00	28.64	63.93	0.51	0.00	5.00	0.67	2.00	2.12	36.14	-0.07	52.26	6.00
179	1.79	1.81	8.63	-2.11	0.48	1.81	0.48	5.00	2.39	15.69	28.79	0.00	28.79	61.84	0.48	0.00	5.00	0.67	2.00	2.13	35.15	-0.07	51.88	6.00
180	1.80	1.76	8.51	-2.30	0.48	1.76	0.48	5.00	2.41	15.67	28.95	0.00	28.95	59.77	0.49	0.00	5.00	0.68	2.00	2.14	34.16	-0.08	50.88	6.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
181	1.81	1.71	8.45	-2.40	0.49	1.71	0.49	5.00	2.42	15.65	29.11	0.00	29.11	57.73	0.50	0.00	5.00	0.69	2.00	2.16	33.17	-0.08	49.80	6.00
182	1.82	1.67	8.42	-2.49	0.50	1.67	0.50	5.00	2.43	15.64	29.26	0.00	29.26	56.05	0.51	0.00	5.00	0.69	2.00	2.17	32.38	-0.09	48.92	6.00
183	1.83	1.61	8.42	-2.68	0.52	1.61	0.52	5.00	2.46	15.62	29.42	0.00	29.42	53.70	0.53	0.00	5.00	0.70	2.00	2.19	31.19	-0.09	47.55	6.00
184	1.84	1.57	8.32	-2.78	0.53	1.57	0.53	5.00	2.47	15.60	29.58	0.00	29.58	52.06	0.54	0.00	5.00	0.70	2.00	2.20	30.39	-0.09	46.74	6.00
185	1.85	1.53	8.23	-2.78	0.54	1.53	0.54	5.00	2.48	15.58	29.73	0.00	29.73	50.44	0.55	0.00	5.00	0.71	2.00	2.22	29.60	-0.09	45.92	6.00
186	1.86	1.51	8.26	-2.97	0.55	1.51	0.55	5.00	2.49	15.57	29.89	0.00	29.89	49.50	0.56	0.00	5.00	0.71	2.00	2.23	29.20	-0.10	45.42	6.00
187	1.87	1.49	8.36	-2.97	0.56	1.49	0.56	5.00	2.50	15.58	30.04	0.00	30.04	48.57	0.57	0.00	5.00	0.72	2.00	2.24	28.80	-0.10	44.86	6.00
188	1.88	1.47	8.45	-3.16	0.57	1.47	0.58	5.00	2.51	15.59	30.20	0.00	30.20	47.65	0.59	0.00	5.00	0.72	2.00	2.25	28.41	-0.10	44.31	6.00
189	1.89	1.42	8.36	-3.35	0.59	1.42	0.59	5.00	2.53	15.56	30.36	0.00	30.36	45.76	0.60	0.00	5.00	0.73	2.00	2.26	27.42	-0.11	43.25	6.00
190	1.90	1.36	8.77	-3.45	0.64	1.36	0.65	5.00	2.56	15.60	30.51	0.00	30.51	43.55	0.66	0.00	5.00	0.74	2.00	2.30	26.23	-0.11	41.49	6.00
191	1.91	1.31	8.99	-3.64	0.69	1.31	0.69	5.00	2.58	15.62	30.67	0.00	30.67	41.69	0.70	0.00	5.00	0.75	2.00	2.33	25.24	-0.12	40.16	6.00
192	1.92	1.57	9.27	-3.12	0.59	1.57	0.59	5.00	2.49	15.72	30.82	0.00	30.82	49.91	0.60	0.00	5.00	0.71	2.00	2.22	30.37	-0.10	45.72	6.00
193	1.93	1.81	9.46	-2.78	0.52	1.81	0.52	5.00	2.41	15.80	30.98	0.00	30.98	57.40	0.53	0.00	5.00	0.68	2.00	2.14	35.10	-0.09	50.87	6.00
194	1.94	1.75	9.55	-2.88	0.55	1.75	0.55	5.00	2.43	15.80	31.14	0.00	31.14	55.18	0.56	0.00	5.00	0.69	2.00	2.17	33.92	-0.09	49.43	6.00
195	1.95	1.70	9.61	-3.00	0.57	1.70	0.57	5.00	2.45	15.79	31.30	0.00	31.30	53.29	0.58	0.00	5.00	0.70	2.00	2.18	32.93	-0.10	48.25	6.00
196	1.96	1.59	9.84	-3.26	0.62	1.59	0.62	5.00	2.49	15.80	31.46	0.00	31.46	49.52	0.63	0.00	5.00	0.71	2.00	2.23	30.75	-0.10	45.57	6.00
197	1.97	1.57	10.22	-3.45	0.65	1.57	0.65	5.00	2.50	15.83	31.62	0.00	31.62	48.64	0.66	0.00	5.00	0.72	2.00	2.24	30.35	-0.11	44.75	6.00
198	1.98	1.40	10.69	-3.64	0.76	1.40	0.76	5.00	2.58	15.84	31.77	0.00	31.77	43.04	0.78	0.00	5.00	0.75	2.00	2.32	26.99	-0.11	40.61	6.00
199	1.99	1.35	11.19	-3.83	0.83	1.35	0.83	4.00	2.61	15.88	31.93	0.00	31.93	41.25	0.85	0.00	5.00	0.76	2.00	2.35	26.00	-0.12	39.09	6.00
200	2.00	1.29	12.56	-3.93	0.97	1.29	0.97	4.00	2.66	16.00	32.09	0.00	32.09	39.17	1.00	0.00	5.00	0.78	2.00	2.41	24.81	-0.12	36.73	6.00
201	2.01	1.24	13.27	-4.02	1.07	1.24	1.07	4.00	2.69	16.04	32.25	0.00	32.25	37.42	1.10	0.00	5.00	0.80	2.00	2.44	23.82	-0.12	35.16	6.00
202	2.02	1.19	13.84	-4.12	1.16	1.19	1.16	4.00	2.72	16.08	32.41	0.00	32.41	35.69	1.20	0.00	5.00	0.81	2.00	2.48	22.83	-0.13	33.74	6.00
203	2.03	1.15	14.41	-4.22	1.25	1.15	1.25	4.00	2.75	16.11	32.57	0.00	32.57	34.28	1.29	0.00	5.00	0.82	2.00	2.51	22.04	-0.13	32.55	6.00
204	2.04	1.11	15.13	-4.31	1.36	1.11	1.36	4.00	2.78	16.15	32.74	0.00	32.74	32.88	1.41	0.00	4.00	0.83	2.00	2.54	21.25	-0.13	31.29	4.00
205	2.05	1.02	15.95	-4.41	1.56	1.02	1.57	4.00	2.84	16.18	32.90	0.00	32.90	29.98	1.62	0.00	4.00	0.86	2.00	2.61	19.47	-0.13	29.04	4.00
206	2.06	1.04	16.65	-4.50	1.60	1.04	1.60	4.00	2.84	16.24	33.06	0.00	33.06	30.43	1.66	0.00	4.00	0.86	2.00	2.61	19.86	-0.14	29.03	4.00
207	2.07	1.01	17.37	-4.50	1.72	1.01	1.72	4.00	2.87	16.28	33.22	0.00	33.22	29.37	1.78	0.00	4.00	0.87	2.00	2.63	19.26	-0.14	28.06	4.00
208	2.08	0.99	18.00	-4.60	1.82	0.99	1.82	4.00	2.89	16.31	33.39	0.00	33.39	28.62	1.88	0.00	4.00	0.88	2.00	2.66	18.86	-0.14	27.35	4.00
209	2.09	0.97	18.60	-4.60	1.92	0.97	1.92	4.00	2.91	16.34	33.55	0.00	33.55	27.88	1.99	0.00	4.00	0.89	2.00	2.68	18.47	-0.14	26.67	4.00
210	2.10	0.96	18.41	-4.70	1.92	0.96	1.92	4.00	2.91	16.32	33.71	0.00	33.71	27.45	1.99	-0.01	4.00	0.89	2.00	2.68	18.26	-0.14	26.58	4.00
211	2.11	0.96	18.29	-4.70	1.91	0.96	1.91	4.00	2.91	16.32	33.88	0.00	33.88	27.31	1.98	-0.01	4.00	0.89	2.00	2.68	18.26	-0.14	26.64	4.00
212	2.12	0.93	18.13	-4.70	1.95	0.93	1.95	3.00	2.93	16.29	34.04	0.00	34.04	26.29	2.03	-0.01	4.00	0.89	2.00	2.70	17.67	-0.14	26.15	4.00
213	2.13	0.93	18.01	-4.79	1.94	0.93	1.94	3.00	2.93	16.29	34.20	0.00	34.20	26.16	2.01	-0.01	4.00	0.89	2.00	2.70	17.66	-0.14	26.21	4.00
214	2.14	0.91	17.92	-4.70	1.97	0.91	1.97	3.00	2.94	16.27	34.36	0.00	34.36	25.45	2.05	-0.01	4.00	0.90	2.00	2.71	17.26	-0.14	25.87	4.00
215	2.15	0.92	17.73	-4.79	1.93	0.92	1.93	3.00	2.93	16.26	34.53	0.00	34.53	25.62	2.00	-0.01	4.00	0.90	2.00	2.70	17.46	-0.14	26.15	4.00
216	2.16	0.92	17.61	-4.79	1.91	0.92	1.92	3.00	2.93	16.26	34.69	0.00	34.69	25.49	1.99	-0.01	4.00	0.89	2.00	2.70	17.45	-0.14	26.21	4.00
217	2.17	0.91	14.58	-4.79	1.60	0.91	1.60	4.00	2.89	16.03	34.85	0.00	34.85	25.08	1.67	-0.01	4.00	0.88	2.00	2.66	17.25	-0.14	27.59	4.00
218	2.18	0.92	10.18	-4.79	1.11	0.92	1.11	4.00	2.81	15.62	35.01	0.00	35.01	25.25	1.15	-0.01	4.00	0.85	2.00	2.57	17.45	-0.14	30.47	4.00
219	2.19	0.92	11.72	-4.79	1.27	0.92	1.28	4.00	2.84	15.79	35.16	0.00	35.16	25.13	1.33	-0.01	4.00	0.86	2.00	2.60	17.45	-0.14	29.47	4.00
220	2.20	0.92	15.42	-4.79	1.68	0.92	1.68	4.00	2.90	16.10	35.33	0.00	35.33	25.02	1.75	-0.01	4.00	0.88	2.00	2.67	17.44	-0.14	27.32	4.00
221	2.21	0.92	14.03	-4.79	1.53	0.92	1.53	4.00	2.88	15.99	35.49	0.00	35.49	24.90	1.59	-0.01	4.00	0.87	2.00	2.64	17.44	-0.13	28.09	4.00
222	2.22	0.92	14.29	-4.70	1.55	0.92	1.55	4.00	2.88	16.01	35.65	0.00	35.65	24.78	1.62	-0.01	4.00	0.88	2.00	2.65	17.44	-0.13	27.94	4.00
223	2.23	0.93	16.21	-4.70	1.74	0.93	1.74	4.00	2.90	16.16	35.81	0.00	35.81	24.95	1.81	-0.01	4.00	0.89	2.00	2.67	17.63	-0.13	27.09	4.00
224	2.24	0.93	16.81	-4.79	1.81	0.93	1.81	4.00	2.91	16.21	35.97	0.00	35.97	24.83	1.88	-0.01	4.00	0.89	2.00	2.68	17.63	-0.13	26.78	4.00
225	2.25	0.92	17.31	-4.70	1.88	0.92	1.88	3.00	2.92	16.24	36.13	0.00	36.13	24.44	1.96	-0.01	4.00	0.89	2.00	2.69	17.43	-0.13	26.33	4.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
226	2.26	0.92	17.31	-4.70	1.88	0.92	1.88	3.00	2.92	16.24	36.29	0.00	36.29	24.32	1.96	-0.01	4.00	0.89	2.00	2.69	17.42	-0.13	26.33	4.00
227	2.27	0.93	18.09	-4.70	1.95	0.93	1.95	3.00	2.93	16.29	36.46	0.00	36.46	24.48	2.03	-0.01	4.00	0.90	2.00	2.70	17.62	-0.13	26.13	4.00
228	2.28	0.95	18.26	-4.70	1.92	0.95	1.92	4.00	2.92	16.31	36.62	0.00	36.62	24.92	2.00	-0.01	4.00	0.89	2.00	2.69	18.01	-0.13	26.41	4.00
229	2.29	0.97	18.26	-4.70	1.88	0.97	1.88	4.00	2.90	16.32	36.78	0.00	36.78	25.34	1.96	-0.01	4.00	0.89	2.00	2.67	18.40	-0.13	26.78	4.00
230	2.30	0.97	18.16	-4.70	1.87	0.97	1.87	4.00	2.90	16.31	36.95	0.00	36.95	25.23	1.95	-0.01	4.00	0.89	2.00	2.67	18.40	-0.13	26.83	4.00
231	2.31	0.98	17.94	-4.70	1.83	0.98	1.83	4.00	2.89	16.30	37.11	0.00	37.11	25.38	1.90	0.00	4.00	0.88	2.00	2.66	18.59	-0.13	27.12	4.00
232	2.32	0.99	17.56	-4.70	1.77	0.99	1.78	4.00	2.88	16.28	37.27	0.00	37.27	25.54	1.85	0.00	4.00	0.88	2.00	2.65	18.79	-0.13	27.50	4.00
233	2.33	0.99	17.12	-4.70	1.73	0.99	1.73	4.00	2.88	16.25	37.43	0.00	37.43	25.42	1.80	0.00	4.00	0.88	2.00	2.65	18.78	-0.13	27.73	4.00
234	2.34	0.99	16.71	-4.70	1.69	0.99	1.69	4.00	2.87	16.22	37.60	0.00	37.60	25.31	1.76	0.00	4.00	0.87	2.00	2.64	18.78	-0.13	27.95	4.00
235	2.35	0.99	16.24	-4.70	1.64	0.99	1.64	4.00	2.87	16.19	37.76	0.00	37.76	25.19	1.71	0.00	4.00	0.87	2.00	2.63	18.78	-0.12	28.20	4.00
236	2.36	0.98	15.00	-4.70	1.53	0.98	1.53	4.00	2.85	16.09	37.92	0.00	37.92	24.82	1.59	0.00	4.00	0.87	2.00	2.62	18.58	-0.12	28.69	4.00
237	2.37	0.98	14.38	-4.70	1.47	0.98	1.47	4.00	2.85	16.05	38.08	0.00	38.08	24.71	1.53	-0.01	4.00	0.86	2.00	2.61	18.57	-0.12	29.04	4.00
238	2.38	0.97	13.68	-4.70	1.41	0.97	1.41	4.00	2.84	15.98	38.24	0.00	38.24	24.34	1.47	-0.01	4.00	0.86	2.00	2.61	18.37	-0.12	29.25	4.00
239	2.39	0.97	12.99	-4.70	1.34	0.97	1.34	4.00	2.83	15.93	38.40	0.00	38.40	24.24	1.40	-0.01	4.00	0.86	2.00	2.59	18.37	-0.12	29.66	4.00
240	2.40	0.97	12.36	-4.80	1.27	0.97	1.28	4.00	2.82	15.87	38.56	0.00	38.56	24.13	1.33	-0.01	4.00	0.85	2.00	2.58	18.37	-0.12	30.05	4.00
241	2.41	0.97	11.35	-4.70	1.17	0.97	1.17	4.00	2.80	15.77	38.72	0.00	38.72	24.03	1.22	-0.01	4.00	0.85	2.00	2.56	18.36	-0.12	30.69	4.00
242	2.42	0.96	11.07	-4.70	1.15	0.96	1.15	4.00	2.80	15.74	38.87	0.00	38.87	23.67	1.20	-0.01	4.00	0.85	2.00	2.56	18.16	-0.12	30.66	4.00
243	2.43	0.96	10.72	-4.79	1.12	0.96	1.12	4.00	2.80	15.70	39.03	0.00	39.03	23.57	1.17	-0.01	4.00	0.84	2.00	2.56	18.16	-0.12	30.89	4.00
244	2.44	0.96	10.40	-4.89	1.08	0.96	1.08	4.00	2.79	15.67	39.19	0.00	39.19	23.47	1.13	-0.01	5.00	0.84	2.00	2.55	18.16	-0.12	31.10	4.00
245	2.45	0.95	10.18	-4.89	1.07	0.95	1.07	4.00	2.79	15.64	39.34	0.00	39.34	23.12	1.12	-0.01	5.00	0.84	2.00	2.55	17.95	-0.12	31.03	4.00
246	2.46	0.96	10.10	-4.89	1.05	0.96	1.05	4.00	2.79	15.63	39.50	0.00	39.50	23.28	1.10	-0.01	5.00	0.84	2.00	2.55	18.15	-0.12	31.30	4.00
247	2.47	0.96	10.03	-4.89	1.04	0.96	1.05	4.00	2.78	15.62	39.66	0.00	39.66	23.18	1.09	-0.01	5.00	0.84	2.00	2.54	18.15	-0.12	31.34	4.00
248	2.48	0.98	9.96	-4.89	1.02	0.98	1.02	4.00	2.77	15.62	39.81	0.00	39.81	23.59	1.06	-0.01	5.00	0.83	2.00	2.53	18.54	-0.12	31.83	4.00
249	2.49	0.99	9.87	-4.80	1.00	0.99	1.00	4.00	2.76	15.62	39.97	0.00	39.97	23.74	1.04	-0.01	5.00	0.83	2.00	2.52	18.73	-0.12	32.11	4.00
250	2.50	1.02	9.77	-4.70	0.96	1.02	0.96	4.00	2.74	15.62	40.12	0.00	40.12	24.40	1.00	0.00	5.00	0.82	2.00	2.50	19.32	-0.12	32.84	6.00
251	2.51	1.05	9.63	-4.70	0.92	1.05	0.92	4.00	2.73	15.61	40.28	0.00	40.28	25.04	0.95	0.00	5.00	0.81	2.00	2.48	19.91	-0.12	33.60	6.00
252	2.52	1.02	9.56	-4.60	0.94	1.02	0.94	4.00	2.74	15.59	40.44	0.00	40.44	24.20	0.98	0.00	5.00	0.82	2.00	2.50	19.32	-0.11	32.99	6.00
253	2.53	1.03	9.36	-4.60	0.91	1.03	0.91	4.00	2.73	15.57	40.59	0.00	40.59	24.35	0.95	0.00	5.00	0.82	2.00	2.49	19.51	-0.11	33.35	6.00
254	2.54	1.02	9.40	-4.60	0.92	1.02	0.92	4.00	2.74	15.57	40.75	0.00	40.75	24.01	0.96	0.00	5.00	0.82	2.00	2.49	19.31	-0.11	33.10	6.00
255	2.55	1.05	9.36	-4.50	0.89	1.05	0.89	4.00	2.72	15.58	40.90	0.00	40.90	24.65	0.93	0.00	5.00	0.81	2.00	2.47	19.90	-0.11	33.79	6.00
256	2.56	1.05	9.40	-4.50	0.90	1.05	0.90	4.00	2.72	15.58	41.06	0.00	41.06	24.55	0.93	0.00	5.00	0.81	2.00	2.48	19.90	-0.11	33.76	6.00
257	2.57	1.09	9.42	-4.50	0.86	1.09	0.86	4.00	2.70	15.60	41.21	0.00	41.21	25.42	0.90	0.00	5.00	0.81	2.00	2.45	20.68	-0.11	34.63	6.00
258	2.58	1.12	9.45	-4.41	0.84	1.12	0.84	4.00	2.68	15.61	41.37	0.00	41.37	26.05	0.88	0.00	5.00	0.80	2.00	2.44	21.27	-0.11	35.27	6.00
259	2.59	1.13	9.49	-4.41	0.84	1.13	0.84	4.00	2.68	15.62	41.53	0.00	41.53	26.19	0.87	0.00	5.00	0.80	2.00	2.43	21.47	-0.11	35.46	6.00
260	2.60	1.15	9.58	-4.41	0.83	1.15	0.83	4.00	2.67	15.64	41.68	0.00	41.68	26.57	0.87	0.00	5.00	0.79	2.00	2.42	21.86	-0.11	35.83	6.00
261	2.61	1.23	9.65	-4.41	0.78	1.23	0.79	4.00	2.63	15.67	41.84	0.00	41.84	28.38	0.81	0.00	5.00	0.78	1.99	2.39	23.35	-0.11	37.48	6.00
262	2.62	1.25	9.77	-4.31	0.78	1.25	0.78	4.00	2.63	15.70	42.00	0.00	42.00	28.74	0.81	0.00	5.00	0.78	1.98	2.38	23.64	-0.10	37.74	6.00
263	2.63	1.27	9.87	-4.31	0.78	1.27	0.78	4.00	2.62	15.71	42.15	0.00	42.15	29.11	0.80	0.00	5.00	0.78	1.97	2.37	23.91	-0.10	38.00	6.00
264	2.64	1.25	10.03	-4.31	0.80	1.25	0.80	4.00	2.63	15.73	42.31	0.00	42.31	28.52	0.83	0.00	5.00	0.78	1.98	2.39	23.55	-0.10	37.46	6.00
265	2.65	1.27	10.15	-4.41	0.80	1.27	0.80	4.00	2.62	15.75	42.47	0.00	42.47	28.88	0.83	0.00	5.00	0.78	1.97	2.38	23.83	-0.10	37.71	6.00
266	2.66	1.29	10.23	-4.31	0.79	1.29	0.79	4.00	2.62	15.76	42.63	0.00	42.63	29.24	0.82	0.00	5.00	0.78	1.96	2.38	24.10	-0.10	37.98	6.00
267	2.67	1.31	10.40	-4.21	0.79	1.31	0.79	4.00	2.61	15.78	42.78	0.00	42.78	29.60	0.82	0.00	5.00	0.78	1.95	2.37	24.38	-0.10	38.19	6.00
268	2.68	1.35	10.59	-4.21	0.78	1.35	0.78	4.00	2.60	15.82	42.94	0.00	42.94	30.42	0.81	0.00	5.00	0.77	1.94	2.36	24.99	-0.10	38.76	6.00
269	2.69	1.37	10.75	-4.12	0.78	1.37	0.79	4.00	2.59	15.84	43.10	0.00	43.10	30.77	0.81	0.00	5.00	0.77	1.93	2.36	25.26	-0.10	38.97	6.00
270	2.70	1.42	10.85	-4.12	0.76	1.42	0.76	5.00	2.57	15.86	43.26	0.00	43.26	31.80	0.79	0.00	5.00	0.76	1.91	2.34	26.00	-0.10	39.78	6.00

Via di Belvedere 11/B 55054 Bozzano - Massarosa (LU) T (+39)328.6122159 C. Fisc & Part. IVA 02589320460 info@geodeep.it

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
271	2.71	1.45	11.06	-4.21	0.76	1.45	0.76	5.00	2.56	15.89	43.42	0.00	43.42	32.38	0.79	0.00	5.00	0.76	1.91	2.33	26.44	-0.10	40.13	6.00
272	2.72	1.50	11.10	-4.12	0.74	1.50	0.74	5.00	2.54	15.91	43.58	0.00	43.58	33.40	0.76	0.00	5.00	0.75	1.89	2.32	27.16	-0.09	40.96	6.00
273	2.73	1.53	11.45	-4.12	0.75	1.53	0.75	5.00	2.54	15.96	43.74	0.00	43.74	33.96	0.77	0.00	5.00	0.75	1.88	2.31	27.61	-0.09	41.20	6.00
274	2.74	1.56	11.57	-4.02	0.74	1.56	0.74	5.00	2.53	15.97	43.90	0.00	43.90	34.52	0.76	0.00	5.00	0.75	1.87	2.30	27.99	-0.09	41.58	6.00
275	2.75	1.60	11.70	-3.93	0.73	1.60	0.73	5.00	2.52	16.00	44.06	0.00	44.06	35.30	0.75	0.00	5.00	0.75	1.86	2.29	28.55	-0.09	42.14	6.00
276	2.76	1.63	11.76	-3.93	0.72	1.63	0.72	5.00	2.51	16.01	44.22	0.00	44.22	35.84	0.74	0.00	5.00	0.74	1.85	2.29	28.95	-0.09	42.58	6.00
277	2.77	1.65	11.63	-3.83	0.70	1.65	0.71	5.00	2.50	16.00	44.38	0.00	44.38	36.16	0.72	0.00	5.00	0.74	1.84	2.28	29.16	-0.09	42.97	6.00
278	2.78	1.68	11.57	-3.74	0.69	1.68	0.69	5.00	2.49	16.00	44.54	0.00	44.54	36.70	0.71	0.00	5.00	0.74	1.83	2.27	29.54	-0.08	43.49	6.00
279	2.79	1.74	11.06	-3.74	0.64	1.74	0.64	5.00	2.46	15.96	44.70	0.00	44.70	37.91	0.65	0.00	5.00	0.73	1.81	2.24	30.29	-0.08	44.88	6.00
280	2.80	1.80	11.23	-3.64	0.62	1.80	0.62	5.00	2.44	16.00	44.86	0.00	44.86	39.11	0.64	0.00	5.00	0.72	1.80	2.23	31.14	-0.08	45.75	6.00
281	2.81	1.85	11.47	-3.54	0.62	1.85	0.62	5.00	2.43	16.03	45.02	0.00	45.02	40.08	0.64	0.00	5.00	0.72	1.79	2.22	31.85	-0.08	46.37	6.00
282	2.82	1.92	11.77	-3.44	0.61	1.92	0.61	5.00	2.41	16.07	45.18	0.00	45.18	41.48	0.63	0.00	5.00	0.71	1.78	2.20	32.85	-0.08	47.28	6.00
283	2.83	1.99	12.05	-3.44	0.61	1.99	0.61	5.00	2.40	16.11	45.34	0.00	45.34	42.88	0.62	0.00	5.00	0.71	1.76	2.19	33.85	-0.08	48.19	6.00
284	2.84	2.04	12.09	-3.44	0.59	2.04	0.59	5.00	2.38	16.13	45.50	0.00	45.50	43.82	0.61	0.00	5.00	0.70	1.75	2.18	34.50	-0.08	48.95	6.00
285	2.85	2.12	12.25	-3.16	0.58	2.12	0.58	5.00	2.36	16.16	45.66	0.00	45.66	45.41	0.59	0.00	5.00	0.69	1.74	2.16	35.61	-0.07	50.10	6.00
286	2.86	2.23	12.35	-3.16	0.55	2.23	0.55	5.00	2.34	16.19	45.82	0.00	45.82	47.65	0.57	0.00	5.00	0.69	1.72	2.13	37.13	-0.07	51.79	6.00
287	2.87	2.28	12.41	-2.97	0.54	2.28	0.54	5.00	2.32	16.20	45.99	0.00	45.99	48.57	0.56	0.00	5.00	0.68	1.71	2.12	37.77	-0.06	52.50	6.00
288	2.88	2.36	12.39	-2.67	0.53	2.36	0.53	5.00	2.30	16.21	46.15	0.00	46.15	50.13	0.54	0.00	5.00	0.68	1.70	2.11	38.82	-0.06	53.77	6.00
289	2.89	2.41	12.46	-2.67	0.52	2.41	0.52	5.00	2.29	16.23	46.31	0.00	46.31	51.03	0.53	0.00	5.00	0.67	1.69	2.10	39.46	-0.06	54.47	6.00
290	2.90	2.45	12.57	-2.30	0.51	2.45	0.51	5.00	2.28	16.24	46.47	0.00	46.47	51.71	0.52	0.00	5.00	0.67	1.68	2.09	39.96	-0.05	54.96	6.00
291	2.91	2.51	12.86	-2.30	0.51	2.51	0.51	5.00	2.27	16.28	46.64	0.00	46.64	52.81	0.52	0.00	5.00	0.67	1.68	2.08	40.76	-0.05	55.61	6.00
292	2.92	2.32	13.32	-2.88	0.57	2.32	0.57	5.00	2.33	16.29	46.80	0.00	46.80	48.56	0.59	0.00	5.00	0.69	1.70	2.13	38.07	-0.06	52.08	6.00
293	2.93	2.37	13.59	-2.78	0.57	2.37	0.57	5.00	2.32	16.32	46.96	0.00	46.96	49.45	0.59	0.00	5.00	0.68	1.69	2.13	38.74	-0.06	52.60	6.00
294	2.94	2.42	13.78	-2.59	0.57	2.42	0.57	5.00	2.31	16.34	47.13	0.00	47.13	50.34	0.58	0.00	5.00	0.68	1.68	2.12	39.39	-0.05	53.18	6.00
295	2.95	2.70	13.93	-2.11	0.52	2.70	0.52	5.00	2.25	16.40	47.29	0.00	47.29	56.09	0.53	0.00	6.00	0.66	1.65	2.06	43.23	-0.04	57.42	6.00
296	2.96	3.06	14.09	-1.15	0.46	3.06	0.46	5.00	2.18	16.46	47.45	0.00	47.45	63.48	0.47	0.00	6.00	0.63	1.62	2.00	48.09	-0.02	62.80	6.00
297	2.97	3.17	14.20	-0.10	0.45	3.17	0.45	5.00	2.16	16.48	47.62	0.00	47.62	65.57	0.45	0.00	6.00	0.63	1.61	1.98	49.50	0.00	64.32	6.00
298	2.98	3.60	14.97	0.10	0.42	3.60	0.42	5.00	2.09	16.59	47.78	0.00	47.78	74.34	0.42	0.00	6.00	0.61	1.58	1.92	55.27	0.00	69.97	6.00
299	2.99	3.67	16.21	0.19	0.44	3.67	0.44	5.00	2.10	16.69	47.95	0.00	47.95	75.54	0.45	0.00	6.00	0.61	1.58	1.93	56.32	0.00	69.66	7.00
300	3.00	3.54	17.03	-0.10	0.48	3.54	0.48	5.00	2.13	16.73	48.12	0.00	48.12	72.57	0.49	0.00	6.00	0.62	1.59	1.96	54.63	0.00	66.87	6.00
301	3.01	3.60	17.85	0.10	0.50	3.60	0.50	5.00	2.13	16.79	48.29	0.00	48.29	73.56	0.50	0.00	6.00	0.62	1.58	1.96	55.45	0.00	66.88	7.00
302	3.02	3.64	17.96	0.10	0.49	3.64	0.49	5.00	2.12	16.81	48.45	0.00	48.45	74.12	0.50	0.00	6.00	0.62	1.58	1.95	55.89	0.00	67.27	7.00
303	3.03	3.64	18.02	0.19	0.50	3.64	0.50	5.00	2.12	16.81	48.62	0.00	48.62	73.86	0.50	0.00	6.00	0.62	1.57	1.95	55.80	0.00	67.14	7.00
304	3.04	3.59	18.89	0.10	0.53	3.59	0.53	5.00	2.14	16.86	48.79	0.00	48.79	72.58	0.53	0.00	6.00	0.62	1.58	1.97	55.16	0.00	65.54	7.00
305	3.05	3.52	20.13	0.00	0.57	3.52	0.57	5.00	2.16	16.92	48.96	0.00	48.96	70.89	0.58	0.00	6.00	0.63	1.59	1.99	54.31	0.00	63.36	7.00
306	3.06	3.24	21.58	-0.10	0.67	3.24	0.67	5.00	2.23	16.97	49.13	0.00	49.13	64.95	0.68	0.00	6.00	0.66	1.61	2.05	50.65	0.00	58.17	7.00
307	3.07	3.27	22.98	-0.38	0.70	3.27	0.70	5.00	2.23	17.05	49.30	0.00	49.30	65.33	0.71	0.00	6.00	0.66	1.61	2.06	51.13	-0.01	57.41	7.00
308	3.08	3.12	25.25	-0.58	0.81	3.12	0.81	5.00	2.28	17.14	49.47	0.00	49.47	62.06	0.82	0.00	5.00	0.68	1.63	2.11	49.26	-0.01	53.62	7.00
309	3.09	2.96	26.51	-0.86	0.90	2.96	0.90	5.00	2.32	17.17	49.64	0.00	49.64	58.62	0.91	0.00	5.00	0.69	1.64	2.15	47.10	-0.02	50.57	7.00
310	3.10	2.94	26.99	-1.05	0.92	2.94	0.92	5.00	2.33	17.19	49.82	0.00	49.82	58.01	0.93	0.00	5.00	0.70	1.64	2.16	46.77	-0.02	49.94	7.00
311	3.11	2.70	27.45	-1.34	1.02	2.70	1.02	5.00	2.38	17.18	49.99	0.00	49.99	53.01	1.04	0.00	5.00	0.72	1.66	2.21	43.38	-0.03	46.44	7.00
312	3.12	2.61	27.67	-1.53	1.06	2.61	1.06	5.00	2.41	17.18	50.16	0.00	50.16	51.03	1.08	0.00	5.00	0.72	1.66	2.23	42.05	-0.03	45.08	7.00
313	3.13	2.49	28.31	-1.82	1.14	2.49	1.14	5.00	2.44	17.18	50.33	0.00	50.33	48.46	1.16	0.00	5.00	0.74	1.68	2.26	40.33	-0.04	43.09	7.00
314	3.14	2.32	29.22	-2.11	1.26	2.32	1.26	5.00	2.49	17.19	50.50	0.00	50.50	44.93	1.29	0.00	5.00	0.76	1.69	2.31	37.90	-0.04	40.32	7.00
315	3.15	2.33	29.75	-2.40	1.28	2.33	1.28	5.00	2.49	17.21	50.68	0.00	50.68	44.97	1.31	0.00	5.00	0.76	1.69	2.31	37.99	-0.05	40.13	7.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
316	3.16	2.13	30.36	-2.59	1.43	2.13	1.43	4.00	2.55	17.20	50.85	0.00	50.85	40.88	1.46	0.00	5.00	0.78	1.71	2.37	35.08	-0.05	37.18	7.00
317	3.17	1.93	26.61	-2.80	1.38	1.93	1.38	4.00	2.58	17.01	51.02	0.00	51.02	36.82	1.42	0.00	5.00	0.79	1.72	2.40	31.85	-0.05	36.35	7.00
318	3.18	1.79	27.18	-2.97	1.52	1.79	1.52	4.00	2.63	17.01	51.19	0.00	51.19	33.96	1.56	0.00	5.00	0.81	1.74	2.45	29.77	-0.06	34.12	7.00
319	3.19	1.73	27.81	-2.97	1.61	1.73	1.61	4.00	2.65	17.02	51.36	0.00	51.36	32.67	1.66	0.00	5.00	0.82	1.74	2.47	28.85	-0.06	32.98	7.00
320	3.20	1.71	28.38	-2.97	1.66	1.71	1.66	4.00	2.67	17.04	51.53	0.00	51.53	32.17	1.71	0.00	5.00	0.82	1.74	2.48	28.52	-0.06	32.42	7.00
321	3.21	1.70	28.41	-2.90	1.67	1.70	1.67	4.00	2.67	17.04	51.70	0.00	51.70	31.87	1.72	0.00	5.00	0.82	1.74	2.49	28.30	-0.06	32.24	7.00
322	3.22	1.71	28.98	-2.90	1.69	1.71	1.70	4.00	2.67	17.07	51.87	0.00	51.87	31.96	1.75	0.00	5.00	0.82	1.74	2.49	28.41	-0.06	32.10	7.00
323	3.23	1.73	28.91	-2.90	1.67	1.73	1.67	4.00	2.66	17.07	52.04	0.00	52.04	32.23	1.72	0.00	5.00	0.82	1.73	2.48	28.63	-0.06	32.37	7.00
324	3.24	1.73	29.04	-2.78	1.68	1.73	1.68	4.00	2.66	17.07	52.21	0.00	52.21	32.12	1.73	0.00	5.00	0.82	1.73	2.49	28.57	-0.05	32.28	7.00
325	3.25	1.74	29.70	-2.68	1.71	1.74	1.71	4.00	2.67	17.10	52.38	0.00	52.38	32.21	1.76	0.00	5.00	0.82	1.72	2.49	28.68	-0.05	32.10	7.00
326	3.26	1.74	32.22	-2.68	1.85	1.74	1.85	4.00	2.69	17.19	52.55	0.00	52.55	32.10	1.91	0.00	4.00	0.83	1.73	2.51	28.75	-0.05	31.02	5.00
327	3.27	1.76	33.45	-2.49	1.90	1.76	1.90	4.00	2.69	17.24	52.73	0.00	52.73	32.37	1.96	0.00	4.00	0.83	1.72	2.51	29.03	-0.05	30.76	5.00
328	3.28	1.77	34.53	-2.49	1.95	1.77	1.95	4.00	2.69	17.28	52.90	0.00	52.90	32.45	2.01	0.00	4.00	0.84	1.72	2.52	29.16	-0.05	30.44	5.00
329	3.29	1.81	35.70	-2.30	1.97	1.81	1.97	4.00	2.69	17.33	53.07	0.00	53.07	33.10	2.03	0.00	4.00	0.83	1.71	2.51	29.73	-0.04	30.46	5.00
330	3.30	1.93	37.77	-2.11	1.96	1.93	1.96	4.00	2.66	17.42	53.25	0.00	53.25	35.24	2.01	0.00	5.00	0.83	1.70	2.49	31.50	-0.04	31.11	5.00
331	3.31	1.99	39.29	-1.77	1.97	1.99	1.97	4.00	2.65	17.47	53.42	0.00	53.42	36.24	2.03	0.00	5.00	0.82	1.69	2.48	32.36	-0.03	31.22	5.00
332	3.32	2.13	40.26	-1.23	1.89	2.13	1.89	4.00	2.62	17.53	53.60	0.00	53.60	38.74	1.94	0.00	5.00	0.81	1.68	2.45	34.34	-0.02	32.46	7.00
333	3.33	2.21	41.21	-1.53	1.86	2.21	1.86	4.00	2.60	17.57	53.77	0.00	53.77	40.09	1.91	0.00	5.00	0.81	1.67	2.44	35.44	-0.03	32.99	7.00
334	3.34	2.32	41.65	-1.34	1.80	2.32	1.80	4.00	2.57	17.60	53.95	0.00	53.95	42.00	1.84	0.00	5.00	0.80	1.65	2.41	36.93	-0.02	34.04	7.00
335	3.35	2.38	52.38	-1.25	2.20	2.38	2.20	4.00	2.62	17.87	54.13	0.00	54.13	42.97	2.25	0.00	5.00	0.81	1.66	2.46	38.21	-0.02	30.89	5.00
336	3.36	2.41	43.04	-1.34	1.79	2.41	1.79	4.00	2.56	17.65	54.30	0.00	54.30	43.38	1.83	0.00	5.00	0.79	1.64	2.40	38.08	-0.02	34.45	7.00
337	3.37	2.43	43.45	-1.25	1.79	2.43	1.79	4.00	2.56	17.67	54.48	0.00	54.48	43.60	1.83	0.00	5.00	0.79	1.63	2.40	38.29	-0.02	34.48	7.00
338	3.38	2.52	43.98	-1.05	1.75	2.52	1.75	4.00	2.54	17.69	54.66	0.00	54.66	45.10	1.78	0.00	5.00	0.78	1.62	2.38	39.48	-0.02	35.23	7.00
339	3.39	2.59	44.11	-0.86	1.70	2.59	1.70	4.00	2.52	17.71	54.83	0.00	54.83	46.23	1.74	0.00	5.00	0.78	1.61	2.37	40.37	-0.02	35.91	7.00
340	3.40	2.57	43.79	-0.67	1.70	2.57	1.70	4.00	2.52	17.70	55.01	0.00	55.01	45.72	1.74	0.00	5.00	0.78	1.61	2.37	39.98	-0.01	35.80	7.00
341	3.41	2.77	43.29	-0.48	1.56	2.77	1.56	5.00	2.48	17.71	55.19	0.00	55.19	49.19	1.59	0.00	5.00	0.76	1.59	2.33	42.60	-0.01	38.14	7.00
342	3.42	2.85	42.16	-0.29	1.48	2.85	1.48	5.00	2.45	17.69	55.37	0.00	55.37	50.48	1.51	0.00	5.00	0.76	1.58	2.30	43.53	-0.01	39.46	7.00
343	3.43	2.95	38.09	0.00	1.29	2.95	1.29	5.00	2.41	17.59	55.54	0.00	55.54	52.11	1.32	0.00	5.00	0.74	1.56	2.26	44.53	0.00	42.40	7.00
344	3.44	2.92	36.98	-0.10	1.27	2.92	1.27	5.00	2.41	17.55	55.72	0.00	55.72	51.41	1.29	0.00	5.00	0.74	1.56	2.26	43.97	0.00	42.57	7.00
345	3.45	2.83	35.66	0.19	1.26	2.83	1.26	5.00	2.42	17.50	55.89	0.00	55.89	49.63	1.29	0.00	5.00	0.74	1.56	2.27	42.58	0.00	42.16	7.00
346	3.46	2.78	34.02	-0.19	1.22	2.78	1.22	5.00	2.42	17.44	56.07	0.00	56.07	48.58	1.25	0.00	5.00	0.74	1.55	2.27	41.72	0.00	42.36	7.00
347	3.47	2.81	30.30	0.00	1.08	2.81	1.08	5.00	2.38	17.31	56.24	0.00	56.24	48.97	1.10	0.00	5.00	0.73	1.54	2.24	41.78	0.00	44.65	7.00
348	3.48	2.86	28.98	0.10	1.01	2.86	1.01	5.00	2.36	17.26	56.41	0.00	56.41	49.70	1.03	0.00	5.00	0.72	1.53	2.22	42.26	0.00	45.97	7.00
349	3.49	3.01	28.06	0.48	0.93	3.01	0.93	5.00	2.32	17.25	56.58	0.00	56.58	52.20	0.95	0.00	5.00	0.71	1.51	2.18	44.08	0.01	48.34	7.00
350	3.50	3.08	26.36	0.67	0.86	3.08	0.86	5.00	2.30	17.18	56.76	0.00	56.76	53.27	0.87	0.00	5.00	0.70	1.50	2.16	44.77	0.01	50.23	7.00
351	3.51	3.12	25.38	0.58	0.81	3.12	0.81	5.00	2.28	17.14	56.93	0.00	56.93	53.81	0.83	0.00	5.00	0.69	1.49	2.14	45.12	0.01	51.33	7.00
352	3.52	3.14	23.43	0.67	0.75	3.14	0.75	5.00	2.26	17.05	57.10	0.00	57.10	54.00	0.76	0.00	5.00	0.69	1.48	2.12	45.12	0.01	52.85	7.00
353	3.53	3.12	22.39	0.38	0.72	3.12	0.72	5.00	2.25	17.00	57.27	0.00	57.27	53.48	0.73	0.00	5.00	0.69	1.48	2.12	44.69	0.01	53.27	6.00
354	3.54	2.92	21.76	0.19	0.75	2.92	0.75	5.00	2.29	16.94	57.44	0.00	57.44	49.84	0.76	0.00	5.00	0.70	1.49	2.15	41.97	0.00	51.00	6.00
355	3.55	2.72	20.56	0.19	0.76	2.72	0.76	5.00	2.32	16.85	57.61	0.00	57.61	46.22	0.77	0.00	5.00	0.71	1.49	2.18	39.20	0.00	49.07	6.00
356	3.56	2.64	20.13	-0.10	0.76	2.64	0.76	5.00	2.33	16.81	57.77	0.00	57.77	44.70	0.78	0.00	5.00	0.71	1.49	2.19	38.05	0.00	48.22	6.00
357	3.57	2.70	19.90	0.00	0.74	2.70	0.74	5.00	2.32	16.81	57.94	0.00	57.94	45.60	0.75	0.00	5.00	0.71	1.49	2.18	38.74	0.00	49.14	6.00
358	3.58	2.77	19.14	0.19	0.69	2.77	0.69	5.00	2.29	16.77	58.11	0.00	58.11	46.67	0.71	0.00	5.00	0.70	1.48	2.16	39.50	0.00	50.58	6.00
359	3.59	2.79	18.57	0.29	0.67	2.79	0.67	5.00	2.28	16.74	58.28	0.00	58.28	46.88	0.68	0.00	5.00	0.70	1.47	2.15	39.64	0.00	51.20	6.00
360	3.60	2.78	18.60	0.19	0.67	2.78	0.67	5.00	2.28	16.74	58.44	0.00	58.44	46.57	0.68	0.00	5.00	0.70	1.47	2.15	39.44	0.00	50.99	6.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
361	3.61	2.77	19.23	0.10	0.69	2.77	0.69	5.00	2.29	16.78	58.61	0.00	58.61	46.26	0.71	0.00	5.00	0.70	1.47	2.16	39.29	0.00	50.37	6.00
362	3.62	2.75	20.42	0.19	0.74	2.75	0.74	5.00	2.31	16.85	58.78	0.00	58.78	45.78	0.76	0.00	5.00	0.71	1.47	2.18	39.06	0.00	49.24	6.00
363	3.63	2.73	20.62	0.10	0.76	2.73	0.76	5.00	2.32	16.85	58.95	0.00	58.95	45.31	0.77	0.00	5.00	0.71	1.47	2.18	38.74	0.00	48.79	6.00
364	3.64	2.71	21.00	0.10	0.77	2.71	0.77	5.00	2.32	16.87	59.12	0.00	59.12	44.84	0.79	0.00	5.00	0.71	1.47	2.19	38.44	0.00	48.22	6.00
365	3.65	2.69	21.60	0.19	0.80	2.69	0.80	5.00	2.33	16.90	59.29	0.00	59.29	44.37	0.82	0.00	5.00	0.72	1.47	2.20	38.16	0.00	47.53	6.00
366	3.66	2.68	22.10	0.19	0.82	2.68	0.82	5.00	2.34	16.93	59.46	0.00	59.46	44.08	0.84	0.00	5.00	0.72	1.47	2.21	37.99	0.00	47.03	6.00
367	3.67	2.67	23.33	0.19	0.87	2.67	0.87	5.00	2.36	16.99	59.63	0.00	59.63	43.78	0.89	0.00	5.00	0.73	1.47	2.22	37.88	0.00	46.10	6.00
368	3.68	2.65	25.88	0.10	0.98	2.65	0.98	5.00	2.38	17.10	59.80	0.00	59.80	43.32	1.00	0.00	5.00	0.74	1.48	2.25	37.72	0.00	44.31	7.00
369	3.69	2.55	27.43	-0.10	1.08	2.55	1.08	5.00	2.42	17.16	59.97	0.00	59.97	41.52	1.10	0.00	5.00	0.75	1.48	2.29	36.44	0.00	42.16	7.00
370	3.70	2.48	28.79	-0.29	1.16	2.48	1.16	5.00	2.45	17.20	60.14	0.00	60.14	40.24	1.19	0.00	5.00	0.76	1.49	2.32	35.53	0.00	40.56	7.00
371	3.71	2.33	32.22	-0.58	1.38	2.33	1.38	5.00	2.51	17.31	60.31	0.00	60.31	37.63	1.42	0.00	5.00	0.79	1.50	2.38	33.67	-0.01	37.07	7.00
372	3.72	2.28	33.45	-0.67	1.47	2.28	1.47	5.00	2.53	17.34	60.49	0.00	60.49	36.69	1.51	0.00	5.00	0.79	1.51	2.40	33.00	-0.01	35.91	7.00
373	3.73	2.22	34.65	-0.86	1.56	2.22	1.56	4.00	2.56	17.37	60.66	0.00	60.66	35.59	1.60	0.00	5.00	0.80	1.51	2.43	32.19	-0.01	34.68	7.00
374	3.74	2.14	37.39	-0.96	1.75	2.14	1.75	4.00	2.60	17.45	60.84	0.00	60.84	34.17	1.80	0.00	5.00	0.82	1.52	2.47	31.17	-0.02	32.66	7.00
375	3.75	2.06	38.12	-1.05	1.85	2.06	1.85	4.00	2.62	17.45	61.01	0.00	61.01	32.76	1.91	0.00	5.00	0.83	1.52	2.49	30.06	-0.02	31.46	5.00
376	3.76	2.01	38.62	-1.25	1.92	2.01	1.92	4.00	2.64	17.46	61.18	0.00	61.18	31.85	1.98	0.00	4.00	0.84	1.53	2.51	29.34	-0.02	30.70	5.00
377	3.77	1.94	39.44	-1.34	2.03	1.94	2.03	4.00	2.67	17.47	61.36	0.00	61.36	30.61	2.10	0.00	4.00	0.85	1.53	2.54	28.36	-0.02	29.61	5.00
378	3.78	1.93	41.36	-1.25	2.14	1.93	2.14	4.00	2.68	17.52	61.53	0.00	61.53	30.36	2.21	0.00	4.00	0.85	1.53	2.55	28.22	-0.02	28.85	5.00
379	3.79	1.93	44.02	-1.25	2.28	1.93	2.28	4.00	2.70	17.59	61.71	0.00	61.71	30.27	2.36	0.00	4.00	0.86	1.53	2.57	28.25	-0.02	28.01	5.00
380	3.80	1.93	46.44	-1.15	2.41	1.93	2.41	4.00	2.71	17.66	61.89	0.00	61.89	30.18	2.49	0.00	4.00	0.87	1.53	2.59	28.26	-0.02	27.28	5.00
381	3.81	1.91	18.19	-1.15	0.95	1.91	0.95	5.00	2.50	16.57	62.05	0.00	62.05	29.78	0.98	0.00	5.00	0.79	1.47	2.38	26.80	-0.02	38.18	6.00
382	3.82	1.93	49.44	-1.05	2.56	1.93	2.56	4.00	2.73	17.73	62.23	0.00	62.23	30.01	2.65	0.00	4.00	0.87	1.53	2.60	28.21	-0.02	26.41	5.00
383	3.83	1.95	51.55	-1.05	2.64	1.95	2.64	4.00	2.73	17.78	62.41	0.00	62.41	30.24	2.73	0.00	4.00	0.88	1.53	2.61	28.47	-0.02	26.04	5.00
384	3.84	1.95	52.40	-1.05	2.69	1.95	2.69	4.00	2.74	17.80	62.59	0.00	62.59	30.15	2.78	0.00	4.00	0.88	1.53	2.61	28.42	-0.02	25.80	5.00
385	3.85	1.96	54.11	-0.96	2.76	1.96	2.76	4.00	2.74	17.84	62.76	0.00	62.76	30.22	2.85	0.00	4.00	0.88	1.52	2.62	28.53	-0.02	25.45	5.00
386	3.86	1.99	53.51	-0.96	2.69	1.99	2.69	4.00	2.73	17.83	62.94	0.00	62.94	30.61	2.78	0.00	4.00	0.88	1.52	2.61	28.85	-0.02	25.88	5.00
387	3.87	2.02	54.07	-1.05	2.68	2.02	2.68	4.00	2.72	17.85	63.12	0.00	63.12	31.00	2.76	0.00	4.00	0.87	1.51	2.60	29.20	-0.02	26.01	5.00
388	3.88	2.05	54.45	-1.05	2.66	2.05	2.66	4.00	2.72	17.86	63.30	0.00	63.30	31.38	2.74	0.00	4.00	0.87	1.51	2.60	29.54	-0.02	26.19	5.00
389	3.89	2.07	56.85	-1.05	2.75	2.07	2.75	4.00	2.72	17.91	63.48	0.00	63.48	31.61	2.83	0.00	4.00	0.87	1.50	2.60	29.80	-0.02	25.77	5.00
390	3.90	2.09	57.42	-0.96	2.75	2.09	2.75	4.00	2.72	17.93	63.66	0.00	63.66	31.83	2.83	0.00	4.00	0.87	1.50	2.60	30.01	-0.02	25.80	5.00
391	3.91	2.11	58.05	-0.96	2.75	2.11	2.75	4.00	2.72	17.95	63.84	0.00	63.84	32.05	2.84	0.00	4.00	0.87	1.50	2.60	30.21	-0.02	25.82	5.00
392	3.92	2.13	26.25	-0.68	1.23	2.13	1.23	5.00	2.52	17.04	64.01	0.00	64.01	32.27	1.27	0.00	5.00	0.80	1.44	2.40	29.39	-0.01	36.69	6.00
393	3.93	2.32	55.78	-0.68	2.40	2.32	2.40	4.00	2.65	17.94	64.19	0.00	64.19	35.14	2.47	0.00	4.00	0.85	1.47	2.53	32.78	-0.01	28.32	5.00
394	3.94	2.42	53.98	-0.77	2.23	2.42	2.23	4.00	2.61	17.91	64.37	0.00	64.37	36.59	2.29	0.00	4.00	0.83	1.46	2.50	33.95	-0.01	29.74	5.00
395	3.95	2.52	53.51	-0.86	2.12	2.52	2.12	4.00	2.59	17.92	64.55	0.00	64.55	38.04	2.18	0.00	5.00	0.83	1.45	2.48	35.16	-0.01	30.80	5.00
396	3.96	2.53	51.58	-0.96	2.04	2.53	2.04	4.00	2.58	17.88	64.72	0.00	64.72	38.09	2.09	0.00	5.00	0.82	1.44	2.46	35.15	-0.01	31.45	5.00
397	3.97	2.49	51.02	-0.96	2.05	2.49	2.05	4.00	2.58	17.86	64.90	0.00	64.90	37.36	2.10	0.00	5.00	0.82	1.44	2.47	34.54	-0.01	31.22	5.00
398	3.98	2.46	49.21	-1.05	2.00	2.46	2.00	4.00	2.58	17.81	65.08	0.00	65.08	36.80	2.05	0.00	5.00	0.82	1.44	2.47	34.03	-0.02	31.47	5.00
399	3.99	2.38	48.08	-1.25	2.02	2.38	2.02	4.00	2.59	17.78	65.26	0.00	65.26	35.47	2.08	0.00	5.00	0.83	1.44	2.49	32.90	-0.02	31.01	5.00
400	4.00	2.36	46.00	-1.14	1.95	2.36	1.95	4.00	2.59	17.72	65.44	0.00	65.44	35.06	2.00	0.00	5.00	0.83	1.44	2.48	32.51	-0.02	31.45	5.00
401	4.01	2.31	44.74	-1.44	1.94	2.31	1.94	4.00	2.59	17.68	65.61	0.00	65.61	34.20	1.99	0.00	5.00	0.83	1.43	2.49	31.76	-0.02	31.32	5.00
402	4.02	2.26	41.30	-1.44	1.83	2.26	1.83	4.00	2.59	17.58	65.79	0.00	65.79	33.35	1.88	0.00	5.00	0.83	1.43	2.48	30.95	-0.02	31.93	5.00
403	4.03	2.20	39.60	-1.44	1.80	2.20	1.80	4.00	2.59	17.52	65.96	0.00	65.96	32.35	1.86	0.00	5.00	0.83	1.43	2.49	30.07	-0.02	31.85	5.00
404	4.04	2.26	37.58	-1.44	1.66	2.26	1.66	4.00	2.56	17.47	66.14	0.00	66.14	33.17	1.71	0.00	5.00	0.82	1.42	2.46	30.71	-0.02	33.20	7.00
405	4.05	2.29	33.77	-1.25	1.47	2.29	1.47	5.00	2.53	17.35	66.31	0.00	66.31	33.53	1.52	0.00	5.00	0.81	1.41	2.43	30.89	-0.02	34.98	7.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
406	4.06	2.33	33.09	-1.25	1.42	2.33	1.42	5.00	2.52	17.34	66.49	0.00	66.49	34.04	1.46	0.00	5.00	0.80	1.40	2.41	31.31	-0.02	35.68	7.00
407	4.07	2.40	32.65	-1.05	1.36	2.40	1.36	5.00	2.49	17.33	66.66	0.00	66.66	35.00	1.40	0.00	5.00	0.79	1.39	2.39	32.11	-0.02	36.64	7.00
408	4.08	2.44	32.32	-0.96	1.32	2.44	1.32	5.00	2.48	17.33	66.83	0.00	66.83	35.51	1.36	0.00	5.00	0.79	1.39	2.38	32.53	-0.01	37.21	7.00
409	4.09	2.57	31.52	-0.68	1.23	2.57	1.23	5.00	2.45	17.32	67.01	0.00	67.01	37.35	1.26	0.00	5.00	0.78	1.38	2.34	34.05	-0.01	39.02	7.00
410	4.10	2.63	30.85	-0.68	1.17	2.63	1.17	5.00	2.43	17.30	67.18	0.00	67.18	38.15	1.20	0.00	5.00	0.77	1.37	2.33	34.70	-0.01	39.99	7.00
411	4.11	2.61	30.13	-0.68	1.15	2.61	1.15	5.00	2.43	17.27	67.35	0.00	67.35	37.75	1.19	0.00	5.00	0.77	1.37	2.33	34.36	-0.01	40.07	7.00
412	4.12	2.63	29.59	-0.68	1.13	2.63	1.13	5.00	2.42	17.26	67.52	0.00	67.52	37.95	1.15	0.00	5.00	0.77	1.37	2.32	34.52	-0.01	40.52	7.00
413	4.13	2.61	28.74	-0.77	1.10	2.61	1.10	5.00	2.42	17.22	67.70	0.00	67.70	37.55	1.13	0.00	5.00	0.77	1.36	2.32	34.17	-0.01	40.66	7.00
414	4.14	2.59	27.93	0.77	1.08	2.59	1.08	5.00	2.41	17.18	67.87	0.00	67.87	37.16	1.11	0.00	5.00	0.77	1.36	2.32	33.84	0.01	40.79	6.00
415	4.15	2.58	26.78	-0.86	1.04	2.58	1.04	5.00	2.41	17.13	68.04	0.00	68.04	36.92	1.07	0.00	5.00	0.76	1.36	2.31	33.60	-0.01	41.20	6.00
416	4.16	2.56	26.13	-0.86	1.02	2.56	1.02	5.00	2.41	17.10	68.21	0.00	68.21	36.53	1.05	0.00	5.00	0.76	1.35	2.31	33.27	-0.01	41.25	6.00
417	4.17	2.50	23.21	-0.96	0.93	2.50	0.93	5.00	2.39	16.96	68.38	0.00	68.38	35.56	0.95	0.00	5.00	0.76	1.35	2.30	32.35	-0.01	41.98	6.00
418	4.18	2.44	24.03	-0.96	0.98	2.44	0.98	5.00	2.42	16.99	68.55	0.00	68.55	34.59	1.01	0.00	5.00	0.77	1.35	2.32	31.59	-0.01	40.77	6.00
419	4.19	2.40	2.32	-1.14	0.10	2.40	0.10	0.00	2.11	14.29	68.69	0.00	68.69	33.93	0.10	0.00	0.00	0.65	1.29	2.01	29.62	-0.02	54.31	0.00
420	4.20	2.36	24.72	-1.14	1.05	2.36	1.05	5.00	2.44	17.01	68.86	0.00	68.86	33.27	1.08	0.00	5.00	0.78	1.35	2.35	30.54	-0.02	39.38	6.00
421	4.21	2.35	25.90	-1.05	1.10	2.35	1.10	5.00	2.45	17.06	69.03	0.00	69.03	33.04	1.14	0.00	5.00	0.78	1.35	2.36	30.41	-0.02	38.66	6.00
422	4.22	2.36	26.17	-1.05	1.11	2.36	1.11	5.00	2.45	17.07	69.20	0.00	69.20	33.10	1.14	0.00	5.00	0.78	1.35	2.36	30.48	-0.02	38.62	6.00
423	4.23	2.37	26.47	-0.96	1.12	2.37	1.12	5.00	2.45	17.09	69.37	0.00	69.37	33.16	1.15	0.00	5.00	0.78	1.35	2.36	30.56	-0.01	38.57	6.00
424	4.24	2.39	27.37	-0.96	1.15	2.39	1.15	5.00	2.46	17.13	69.55	0.00	69.55	33.36	1.18	0.00	5.00	0.79	1.34	2.37	30.78	-0.01	38.36	6.00
425	4.25	2.41	28.50	-0.96	1.18	2.41	1.18	5.00	2.46	17.18	69.72	0.00	69.72	33.57	1.22	0.00	5.00	0.79	1.34	2.37	31.00	-0.01	38.05	6.00
426	4.26	2.51	30.02	-0.77	1.20	2.51	1.20	5.00	2.45	17.25	69.89	0.00	69.89	34.91	1.23	0.00	5.00	0.78	1.34	2.36	32.21	-0.01	38.50	7.00
427	4.27	2.65	31.45	-0.68	1.19	2.65	1.19	5.00	2.43	17.33	70.06	0.00	70.06	36.82	1.22	0.00	5.00	0.78	1.33	2.34	33.89	-0.01	39.43	7.00
428	4.28	2.77	33.01	-0.68	1.19	2.77	1.19	5.00	2.41	17.40	70.24	0.00	70.24	38.44	1.22	0.00	5.00	0.77	1.33	2.32	35.33	-0.01	40.04	7.00
429	4.29	2.80	33.99	-0.29	1.21	2.80	1.21	5.00	2.41	17.44	70.41	0.00	70.41	38.77	1.25	0.00	5.00	0.77	1.32	2.33	35.66	0.00	39.91	7.00
430	4.30	2.83	36.23	-0.29	1.28	2.83	1.28	5.00	2.42	17.52	70.59	0.00	70.59	39.09	1.31	0.00	5.00	0.77	1.32	2.33	36.03	0.00	39.24	7.00
431	4.31	2.86	37.11	-0.10	1.30	2.86	1.30	5.00	2.42	17.55	70.76	0.00	70.76	39.42	1.33	0.00	5.00	0.77	1.32	2.34	36.35	0.00	39.16	7.00
432	4.32	3.01	38.66	0.68	1.28	3.01	1.28	5.00	2.40	17.61	70.94	0.00	70.94	41.43	1.32	0.00	5.00	0.77	1.31	2.32	38.13	0.01	40.06	7.00
433	4.33	3.23	39.31	0.96	1.22	3.23	1.22	5.00	2.36	17.66	71.12	0.00	71.12	44.42	1.24	0.00	5.00	0.75	1.31	2.28	40.70	0.01	42.03	7.00
434	4.34	3.20	40.32	1.15	1.26	3.20	1.26	5.00	2.37	17.69	71.29	0.00	71.29	43.89	1.29	0.00	5.00	0.76	1.31	2.29	40.31	0.02	41.26	7.00
435	4.35	3.13	40.77	1.15	1.30	3.13	1.30	5.00	2.39	17.69	71.47	0.00	71.47	42.80	1.33	0.00	5.00	0.76	1.31	2.31	39.42	0.02	40.33	7.00
436	4.36	3.09	41.14	1.05	1.33	3.09	1.33	5.00	2.40	17.70	71.65	0.00	71.65	42.13	1.36	0.00	5.00	0.77	1.31	2.32	38.88	0.01	39.74	7.00
437	4.37	3.11	42.40	1.05	1.36	3.11	1.36	5.00	2.40	17.73	71.82	0.00	71.82	42.30	1.40	0.00	5.00	0.77	1.30	2.32	39.08	0.01	39.41	7.00
438	4.38	3.19	42.50	1.15	1.33	3.19	1.33	5.00	2.39	17.75	72.00	0.00	72.00	43.31	1.36	0.00	5.00	0.76	1.30	2.31	39.96	0.02	40.14	7.00
439	4.39	3.25	42.22	1.15	1.30	3.25	1.30	5.00	2.37	17.75	72.18	0.00	72.18	44.03	1.33	0.00	5.00	0.76	1.29	2.30	40.59	0.02	40.82	7.00
440	4.40	3.29	41.83	1.05	1.27	3.29	1.27	5.00	2.36	17.74	72.36	0.00	72.36	44.47	1.30	0.00	5.00	0.76	1.29	2.29	40.98	0.01	41.36	7.00
441	4.41	3.36	41.69	1.05	1.24	3.36	1.24	5.00	2.35	17.74	72.53	0.00	72.53	45.33	1.27	0.00	5.00	0.75	1.29	2.27	41.72	0.01	42.08	7.00
442	4.42	3.32	41.67	1.05	1.26	3.32	1.26	5.00	2.36	17.74	72.71	0.00	72.71	44.66	1.28	0.00	5.00	0.76	1.28	2.28	41.18	0.01	41.66	7.00
443	4.43	3.29	41.96	1.05	1.28	3.29	1.28	5.00	2.36	17.74	72.89	0.00	72.89	44.14	1.30	0.00	5.00	0.76	1.28	2.29	40.76	0.01	41.22	7.00
444	4.44	3.19	41.83	0.96	1.31	3.19	1.31	5.00	2.38	17.73	73.07	0.00	73.07	42.66	1.34	0.00	5.00	0.77	1.28	2.31	39.51	0.01	40.25	7.00
445	4.45	3.18	41.73	0.96	1.31	3.18	1.31	5.00	2.38	17.72	73.24	0.00	73.24	42.42	1.34	0.00	5.00	0.77	1.28	2.31	39.32	0.01	40.16	7.00
446	4.46	3.15	42.47	0.96	1.35	3.15	1.35	5.00	2.39	17.74	73.42	0.00	73.42	41.91	1.38	0.00	5.00	0.77	1.28	2.32	38.92	0.01	39.54	7.00
447	4.47	3.13	45.43	0.86	1.45	3.13	1.45	5.00	2.41	17.82	73.60	0.00	73.60	41.53	1.49	0.00	5.00	0.78	1.28	2.34	38.69	0.01	38.19	7.00
448	4.48	3.09	46.89	0.77	1.52	3.09	1.52	5.00	2.43	17.85	73.78	0.00	73.78	40.89	1.55	0.00	5.00	0.78	1.28	2.36	38.19	0.01	37.25	7.00
449	4.49	3.06	48.11	0.77	1.57	3.06	1.57	5.00	2.44	17.87	73.96	0.00	73.96	40.38	1.61	0.00	5.00	0.79	1.28	2.37	37.79	0.01	36.52	7.00
450	4.50	3.03	49.34	0.58	1.63	3.03	1.63	5.00	2.45	17.90	74.13	0.00	74.13	39.87	1.67	0.00	5.00	0.79	1.28	2.38	37.40	0.01	35.79	7.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
451	4.51	3.01	52.18	0.58	1.73	3.01	1.73	5.00	2.47	17.96	74.31	0.00	74.31	39.51	1.78	0.00	5.00	0.80	1.28	2.40	37.16	0.01	34.66	7.00
452	4.52	2.98	56.51	0.48	1.90	2.98	1.90	5.00	2.50	18.05	74.49	0.00	74.49	39.00	1.94	0.00	5.00	0.81	1.28	2.43	36.82	0.01	33.06	7.00
453	4.53	2.98	57.51	0.67	1.93	2.98	1.93	4.00	2.50	18.07	74.67	0.00	74.67	38.91	1.98	0.00	5.00	0.81	1.28	2.43	36.77	0.01	32.76	7.00
454	4.54	2.99	58.53	0.77	1.96	2.99	1.96	4.00	2.51	18.09	74.86	0.00	74.86	38.95	2.01	0.00	5.00	0.82	1.28	2.44	36.84	0.01	32.54	7.00
455	4.55	2.98	59.23	0.77	1.99	2.98	1.99	4.00	2.51	18.10	75.04	0.00	75.04	38.72	2.04	0.00	5.00	0.82	1.28	2.44	36.66	0.01	32.24	7.00
456	4.56	2.99	60.47	0.86	2.02	2.99	2.02	4.00	2.52	18.13	75.22	0.00	75.22	38.75	2.07	0.00	5.00	0.82	1.28	2.45	36.73	0.01	31.96	5.00
457	4.57	3.01	62.94	0.86	2.09	3.01	2.09	4.00	2.52	18.18	75.40	0.00	75.40	38.92	2.14	0.00	5.00	0.82	1.28	2.45	36.94	0.01	31.46	5.00
458	4.58	3.02	67.16	0.96	2.22	3.02	2.22	4.00	2.54	18.25	75.58	0.00	75.58	38.96	2.28	0.00	5.00	0.83	1.28	2.47	37.05	0.01	30.45	5.00
459	4.59	3.00	66.59	0.86	2.22	3.00	2.22	4.00	2.54	18.24	75.76	0.00	75.76	38.60	2.28	0.00	5.00	0.83	1.27	2.47	36.74	0.01	30.42	5.00
460	4.60	2.99	66.92	0.86	2.24	2.99	2.24	4.00	2.54	18.24	75.95	0.00	75.95	38.37	2.30	0.00	5.00	0.83	1.27	2.48	36.55	0.01	30.24	5.00
461	4.61	2.97	67.45	1.05	2.27	2.97	2.27	4.00	2.55	18.25	76.13	0.00	76.13	38.02	2.33	0.00	4.00	0.83	1.27	2.48	36.26	0.01	29.94	5.00
462	4.62	2.98	67.81	1.05	2.28	2.98	2.28	4.00	2.55	18.26	76.31	0.00	76.31	38.05	2.34	0.00	4.00	0.83	1.27	2.48	36.31	0.01	29.92	5.00
463	4.63	2.92	68.13	1.15	2.33	2.92	2.33	4.00	2.56	18.25	76.49	0.00	76.49	37.18	2.40	0.00	4.00	0.84	1.27	2.50	35.54	0.02	29.35	5.00
464	4.64	3.16	68.39	1.34	2.16	3.16	2.16	4.00	2.51	18.29	76.68	0.00	76.68	40.22	2.22	0.00	5.00	0.82	1.26	2.45	38.27	0.02	31.17	5.00
465	4.65	3.16	67.81	1.34	2.15	3.16	2.15	4.00	2.51	18.28	76.86	0.00	76.86	40.12	2.20	0.00	5.00	0.82	1.25	2.45	38.19	0.02	31.29	5.00
466	4.66	3.17	67.00	1.44	2.11	3.17	2.11	4.00	2.51	18.27	77.04	0.00	77.04	40.15	2.17	0.00	5.00	0.82	1.25	2.45	38.22	0.02	31.56	5.00
467	4.67	3.14	64.83	1.44	2.06	3.14	2.06	4.00	2.50	18.23	77.23	0.00	77.23	39.66	2.12	0.00	5.00	0.82	1.25	2.44	37.77	0.02	31.86	5.00
468	4.68	3.08	63.69	1.44	2.07	3.08	2.07	4.00	2.51	18.20	77.41	0.00	77.41	38.79	2.12	0.00	5.00	0.82	1.25	2.45	36.98	0.02	31.65	5.00
469	4.69	3.02	61.42	1.34	2.03	3.02	2.03	4.00	2.51	18.15	77.59	0.00	77.59	37.93	2.09	0.00	5.00	0.82	1.25	2.45	36.18	0.02	31.74	5.00
470	4.70	2.99	59.91	1.15	2.00	2.99	2.00	4.00	2.51	18.12	77.77	0.00	77.77	37.45	2.06	0.00	5.00	0.82	1.24	2.45	35.74	0.01	31.87	5.00
471	4.71	2.97	59.91	1.15	2.02	2.97	2.02	4.00	2.52	18.11	77.95	0.00	77.95	37.10	2.07	0.00	5.00	0.83	1.24	2.46	35.45	0.01	31.69	5.00
472	4.72	2.92	59.91	1.05	2.05	2.92	2.05	4.00	2.53	18.11	78.13	0.00	78.13	36.38	2.11	0.00	5.00	0.83	1.24	2.47	34.80	0.01	31.25	5.00
473	4.73	2.86	60.51	0.86	2.12	2.86	2.12	4.00	2.54	18.11	78.31	0.00	78.31	35.52	2.18	0.00	5.00	0.84	1.24	2.49	34.05	0.01	30.58	5.00
474	4.74	2.74	60.92	0.77	2.22	2.74	2.22	4.00	2.57	18.10	78.49	0.00	78.49	33.91	2.29	0.00	4.00	0.85	1.24	2.51	32.61	0.01	29.46	5.00
475	4.75	2.53	61.21	0.67	2.42	2.53	2.42	4.00	2.62	18.08	78.68	0.00	78.68	31.16	2.50	0.00	4.00	0.87	1.25	2.57	30.12	0.01	27.63	5.00
476	4.76	2.41	61.48	0.67	2.55	2.41	2.55	4.00	2.65	18.06	78.86	0.00	78.86	29.56	2.64	0.00	4.00	0.88	1.25	2.60	28.68	0.01	26.56	5.00
477	4.77	2.35	62.52	0.58	2.66	2.35	2.66	4.00	2.67	18.07	79.04	0.00	79.04	28.73	2.75	0.00	4.00	0.89	1.25	2.62	27.93	0.01	25.82	5.00
478	4.78	2.22	66.28	0.48	2.99	2.22	2.99	4.00	2.72	18.12	79.22	0.00	79.22	27.03	3.10	0.00	4.00	0.91	1.25	2.67	26.41	0.01	23.99	5.00
479	4.79	2.12	70.12	0.48	3.31	2.12	3.31	4.00	2.77	18.17	79.40	0.00	79.40	25.70	3.44	0.00	4.00	0.92	1.25	2.71	25.22	0.01	22.48	5.00
480	4.80	2.02	76.59	0.29	3.79	2.02	3.79	3.00	2.82	18.25	79.58	0.00	79.58	24.38	3.95	0.00	4.00	0.94	1.26	2.77	24.06	0.00	20.65	3.00
481	4.81	1.93	80.43	0.29	4.17	1.93	4.17	3.00	2.86	18.29	79.76	0.00	79.76	23.20	4.35	0.00	3.00	0.96	1.26	2.81	22.98	0.00	19.41	3.00
482	4.82	1.86	84.47	0.10	4.54	1.86	4.54	3.00	2.90	18.33	79.95	0.00	79.95	22.27	4.75	0.00	3.00	0.97	1.26	2.85	22.13	0.00	18.36	3.00
483	4.83	1.77	88.66	-0.10	5.01	1.77	5.01	3.00	2.94	18.37	80.13	0.00	80.13	21.09	5.25	0.00	3.00	0.99	1.26	2.89	21.05	0.00	17.21	3.00
484	4.84	1.72	96.00	0.00	5.58	1.72	5.58	3.00	2.98	18.45	80.32	0.00	80.32	20.42	5.85	0.00	3.00	1.00	1.26	2.94	20.42	0.00	16.05	3.00
485	4.85	1.68	98.00	0.00	5.83	1.68	5.83	3.00	3.00	18.46	80.50	0.00	80.50	19.87	6.13	0.00	3.00	1.00	1.26	2.96	19.87	0.00	15.58	3.00
486	4.86	1.61	98.70	0.10	6.13	1.61	6.13	3.00	3.03	18.45	80.69	0.00	80.69	18.95	6.45	0.00	3.00	1.00	1.26	2.99	18.95	0.00	15.05	3.00
487	4.87	1.53	98.21	0.10	6.42	1.53	6.42	3.00	3.06	18.43	80.87	0.00	80.87	17.92	6.78	0.00	3.00	1.00	1.25	3.02	17.92	0.00	14.58	3.00
488	4.88	1.44	97.87	0.29	6.80	1.44	6.80	3.00	3.10	18.40	81.05	0.00	81.05	16.77	7.20	0.00	3.00	1.00	1.25	3.06	16.77	0.00	14.03	3.00
489	4.89	1.39	95.63	0.48	6.88	1.39	6.88	3.00	3.11	18.36	81.24	0.00	81.24	16.11	7.31	0.00	3.00	1.00	1.25	3.08	16.11	0.01	13.91	3.00
490	4.90	1.31	92.23	0.58	7.04	1.31	7.04	3.00	3.14	18.30	81.42	0.00	81.42	15.09	7.51	0.00	3.00	1.00	1.24	3.10	15.09	0.01	13.69	3.00
491	4.91	1.26	90.30	0.77	7.17	1.26	7.17	3.00	3.15	18.26	81.60	0.00	81.60	14.44	7.66	0.00	3.00	1.00	1.24	3.13	14.44	0.01	13.53	3.00
492	4.92	1.21	85.95	2.51	7.10	1.21	7.10	3.00	3.16	18.18	81.78	0.00	81.78	13.80	7.61	0.00	3.00	1.00	1.24	3.14	13.80	0.03	13.59	3.00
493	4.93	1.17	80.22	6.65	6.86	1.17	6.85	3.00	3.17	18.09	81.97	0.00	81.97	13.29	7.36	0.01	3.00	1.00	1.24	3.14	13.29	0.08	13.87	3.00
494	4.94	1.14	76.59	10.25	6.72	1.14	6.71	3.00	3.17	18.03	82.15	0.00	82.15	12.90	7.23	0.01	3.00	1.00	1.23	3.14	12.90	0.12	14.03	3.00
495	4.95	1.23	74.23	23.19	6.03	1.23	6.01	3.00	3.11	18.02	82.33	0.00	82.33	14.00	6.44	0.02	3.00	1.00	1.23	3.08	14.00	0.28	14.98	3.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
496	4.96	1.29	71.11	28.57	5.51	1.30	5.49	3.00	3.07	17.99	82.51	0.00	82.51	14.71	5.86	0.02	3.00	1.00	1.23	3.04	14.71	0.35	15.82	3.00
497	4.97	1.29	69.28	29.04	5.37	1.30	5.35	3.00	3.06	17.96	82.69	0.00	82.69	14.68	5.71	0.02	3.00	1.00	1.23	3.04	14.68	0.35	16.04	3.00
498	4.98	1.30	64.98	25.61	5.00	1.31	4.98	3.00	3.04	17.89	82.86	0.00	82.86	14.75	5.32	0.02	3.00	1.00	1.22	3.01	14.75	0.31	16.68	3.00
499	4.99	1.29	61.45	26.50	4.76	1.30	4.74	3.00	3.03	17.82	83.04	0.00	83.04	14.60	5.07	0.02	3.00	1.00	1.22	3.00	14.60	0.32	17.08	3.00
500	5.00	1.36	56.52	12.75	4.16	1.36	4.15	3.00	2.98	17.75	83.22	0.00	83.22	15.37	4.42	0.01	3.00	1.00	1.22	2.95	15.37	0.15	18.40	3.00
501	5.01	1.41	52.30	2.28	3.71	1.41	3.71	3.00	2.93	17.67	83.40	0.00	83.40	15.91	3.94	0.00	3.00	1.00	1.21	2.91	15.91	0.03	19.52	3.00
502	5.02	1.37	51.13	8.24	3.73	1.37	3.73	3.00	2.95	17.63	83.57	0.00	83.57	15.41	3.97	0.01	3.00	1.00	1.21	2.92	15.41	0.10	19.37	3.00
503	5.03	1.33	49.57	9.10	3.73	1.33	3.72	3.00	2.96	17.59	83.75	0.00	83.75	14.90	3.97	0.01	3.00	1.00	1.21	2.93	14.90	0.11	19.28	3.00
504	5.04	1.47	49.13	11.79	3.34	1.47	3.34	3.00	2.89	17.62	83.93	0.00	83.93	16.55	3.54	0.01	3.00	0.98	1.20	2.86	16.49	0.14	20.64	3.00
505	5.05	1.61	48.67	10.83	3.02	1.61	3.02	4.00	2.83	17.64	84.10	0.00	84.10	18.17	3.18	0.01	4.00	0.96	1.20	2.81	18.04	0.13	22.00	3.00
506	5.06	1.73	48.75	11.21	2.82	1.73	2.81	4.00	2.79	17.67	84.28	0.00	84.28	19.56	2.96	0.01	4.00	0.94	1.19	2.76	19.35	0.13	23.07	5.00
507	5.07	1.99	46.02	8.24	2.31	1.99	2.31	4.00	2.69	17.66	84.45	0.00	84.45	22.58	2.41	0.00	4.00	0.91	1.18	2.66	22.20	0.10	26.06	5.00
508	5.08	2.18	47.23	-2.78	2.17	2.18	2.17	4.00	2.64	17.72	84.63	0.00	84.63	24.75	2.25	0.00	4.00	0.89	1.17	2.61	24.25	-0.03	27.47	5.00
509	5.09	2.03	48.69	-7.00	2.40	2.03	2.40	4.00	2.70	17.73	84.81	0.00	84.81	22.92	2.50	0.00	4.00	0.91	1.18	2.66	22.54	-0.08	25.73	5.00
510	5.10	1.95	49.45	-7.76	2.54	1.95	2.54	4.00	2.72	17.73	84.99	0.00	84.99	21.93	2.65	0.00	4.00	0.92	1.18	2.69	21.61	-0.09	24.82	5.00
511	5.11	1.91	50.12	-7.38	2.62	1.91	2.63	4.00	2.74	17.74	85.16	0.00	85.16	21.41	2.75	0.00	4.00	0.93	1.17	2.71	21.13	-0.09	24.31	5.00
512	5.12	1.83	51.63	-6.61	2.82	1.83	2.82	4.00	2.77	17.76	85.34	0.00	85.34	20.43	2.96	0.00	4.00	0.94	1.17	2.75	20.21	-0.08	23.27	5.00
513	5.13	1.69	53.65	-6.03	3.17	1.69	3.18	3.00	2.83	17.77	85.52	0.00	85.52	18.75	3.35	0.00	4.00	0.96	1.18	2.81	18.63	-0.07	21.63	3.00
514	5.14	1.58	54.98	-5.65	3.48	1.58	3.48	3.00	2.88	17.77	85.70	0.00	85.70	17.42	3.68	0.00	3.00	0.98	1.18	2.86	17.37	-0.07	20.43	3.00
515	5.15	1.52	55.74	-5.46	3.67	1.52	3.67	3.00	2.91	17.77	85.87	0.00	85.87	16.69	3.89	0.00	3.00	0.99	1.18	2.89	16.66	-0.06	19.78	3.00
516	5.16	1.43	56.24	-5.17	3.93	1.43	3.94	3.00	2.95	17.76	86.05	0.00	86.05	15.61	4.19	0.00	3.00	1.00	1.18	2.93	15.61	-0.06	18.92	3.00
517	5.17	1.36	60.53	-5.18	4.45	1.36	4.45	3.00	3.00	17.83	86.23	0.00	86.23	14.76	4.76	0.00	3.00	1.00	1.18	2.98	14.76	-0.06	17.66	3.00
518	5.18	1.30	63.32	-5.18	4.87	1.30	4.87	3.00	3.04	17.86	86.41	0.00	86.41	14.03	5.22	0.00	3.00	1.00	1.17	3.03	14.03	-0.06	16.77	3.00
519	5.19	1.29	67.14	-5.08	5.20	1.29	5.21	3.00	3.06	17.92	86.59	0.00	86.59	13.89	5.58	0.00	3.00	1.00	1.17	3.05	13.89	-0.06	16.19	3.00
520	5.20	1.33	65.27	-5.08	4.91	1.33	4.91	3.00	3.03	17.90	86.77	0.00	86.77	14.32	5.25	0.00	3.00	1.00	1.17	3.02	14.32	-0.06	16.74	3.00
521	5.21	1.39	68.57	-4.98	4.93	1.39	4.94	3.00	3.02	17.98	86.95	0.00	86.95	14.97	5.27	0.00	3.00	1.00	1.17	3.01	14.97	-0.06	16.78	3.00
522	5.22	1.42	72.44	-5.65	5.10	1.42	5.11	3.00	3.02	18.05	87.13	0.00	87.13	15.28	5.44	0.00	3.00	1.00	1.16	3.01	15.28	-0.06	16.51	3.00
523	5.23	1.48	77.76	-5.65	5.25	1.48	5.26	3.00	3.01	18.15	87.31	0.00	87.31	15.94	5.59	0.00	3.00	1.00	1.16	3.00	15.94	-0.06	16.31	3.00
524	5.24	1.53	81.83	-2.78	5.35	1.53	5.35	3.00	3.01	18.22	87.49	0.00	87.49	16.48	5.68	0.00	3.00	1.00	1.16	3.00	16.48	-0.03	16.19	3.00
525	5.25	1.59	83.59	0.29	5.26	1.59	5.26	3.00	2.99	18.26	87.67	0.00	87.67	17.14	5.56	0.00	3.00	1.00	1.16	2.98	17.14	0.00	16.41	3.00
526	5.26	1.65	87.50	-4.79	5.30	1.65	5.31	3.00	2.98	18.32	87.86	0.00	87.86	17.77	5.60	0.00	3.00	1.00	1.15	2.97	17.77	-0.05	16.37	3.00
527	5.27	1.69	89.10	-4.79	5.27	1.69	5.28	3.00	2.97	18.35	88.04	0.00	88.04	18.18	5.57	0.00	3.00	1.00	1.15	2.96	18.18	-0.05	16.46	3.00
528	5.28	1.72	91.93	-5.18	5.34	1.72	5.35	3.00	2.97	18.40	88.22	0.00	88.22	18.48	5.64	0.00	3.00	1.00	1.15	2.96	18.48	-0.06	16.35	3.00
529	5.29	1.78	95.91	-5.18	5.39	1.78	5.39	3.00	2.96	18.46	88.41	0.00	88.41	19.12	5.67	0.00	3.00	1.00	1.15	2.95	19.12	-0.06	16.32	3.00
530	5.30	1.83	97.58	-4.79	5.33	1.83	5.34	3.00	2.95	18.49	88.59	0.00	88.59	19.64	5.61	0.00	3.00	1.00	1.14	2.93	19.64	-0.05	16.46	3.00
531	5.31	1.86	97.96	-4.79	5.27	1.86	5.27	3.00	2.94	18.50	88.78	0.00	88.78	19.94	5.53	0.00	3.00	1.00	1.14	2.93	19.94	-0.05	16.60	3.00
532	5.32	1.92	97.14	-4.79	5.06	1.92	5.06	3.00	2.92	18.50	88.96	0.00	88.96	20.57	5.31	0.00	3.00	1.00	1.14	2.90	20.57	-0.05	17.06	3.00
533	5.33	1.98	98.87	-4.79	4.99	1.98	5.00	3.00	2.90	18.53	89.15	0.00	89.15	21.20	5.23	0.00	3.00	1.00	1.14	2.89	21.19	-0.05	17.25	3.00
534	5.34	2.06	98.94	-4.79	4.80	2.06	4.81	3.00	2.88	18.55	89.33	0.00	89.33	22.05	5.02	0.00	3.00	0.99	1.13	2.87	22.01	-0.05	17.73	3.00
535	5.35	2.10	99.67	-4.70	4.75	2.10	4.75	3.00	2.87	18.57	89.52	0.00	89.52	22.45	4.96	0.00	3.00	0.98	1.13	2.86	22.40	-0.05	17.89	3.00
536	5.36	2.13	94.36	-4.60	4.43	2.13	4.43	3.00	2.85	18.51	89.71	0.00	89.71	22.73	4.63	0.00	3.00	0.97	1.13	2.83	22.66	-0.05	18.68	3.00
537	5.37	2.32	91.00	-4.50	3.92	2.32	3.92	3.00	2.78	18.50	89.89	0.00	89.89	24.80	4.08	0.00	4.00	0.95	1.12	2.77	24.65	-0.05	20.31	3.00
538	5.38	2.52	83.93	-4.22	3.33	2.52	3.33	4.00	2.71	18.44	90.08	0.00	90.08	26.97	3.46	0.00	4.00	0.92	1.11	2.70	26.72	-0.05	22.62	5.00
539	5.39	2.58	79.71	-4.22	3.09	2.58	3.09	4.00	2.68	18.39	90.26	0.00	90.26	27.57	3.20	0.00	4.00	0.91	1.11	2.67	27.29	-0.05	23.69	5.00
540	5.40	2.63	78.41	-4.22	2.98	2.63	2.98	4.00	2.66	18.38	90.44	0.00	90.44	28.07	3.09	0.00	4.00	0.90	1.11	2.65	27.77	-0.05	24.25	5.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
541	5.41	2.69	75.10	-3.93	2.79	2.69	2.79	4.00	2.64	18.34	90.63	0.00	90.63	28.67	2.89	0.00	4.00	0.90	1.11	2.63	28.34	-0.04	25.24	5.00
542	5.42	2.74	72.58	-3.93	2.65	2.74	2.65	4.00	2.62	18.30	90.81	0.00	90.81	29.16	2.74	0.00	4.00	0.89	1.10	2.61	28.81	-0.04	26.05	5.00
543	5.43	2.79	70.34	-3.74	2.52	2.79	2.52	4.00	2.60	18.27	90.99	0.00	90.99	29.65	2.61	0.00	4.00	0.88	1.10	2.59	29.27	-0.04	26.84	5.00
544	5.44	2.89	69.05	-3.45	2.39	2.89	2.39	4.00	2.57	18.27	91.17	0.00	91.17	30.69	2.47	0.00	4.00	0.87	1.10	2.56	30.27	-0.04	27.83	5.00
545	5.45	3.05	68.26	-3.16	2.24	3.05	2.24	4.00	2.54	18.27	91.36	0.00	91.36	32.38	2.31	0.00	4.00	0.86	1.09	2.52	31.90	-0.03	29.18	5.00
546	5.46	3.02	69.90	-3.16	2.31	3.02	2.32	4.00	2.55	18.30	91.54	0.00	91.54	31.98	2.39	0.00	4.00	0.86	1.09	2.54	31.54	-0.03	28.59	5.00
547	5.47	3.11	70.18	-2.88	2.26	3.11	2.26	4.00	2.53	18.31	91.72	0.00	91.72	32.90	2.33	0.00	4.00	0.86	1.09	2.52	32.43	-0.03	29.18	5.00
548	5.48	3.18	70.31	-2.63	2.21	3.18	2.21	4.00	2.52	18.32	91.91	0.00	91.91	33.59	2.28	0.00	4.00	0.85	1.09	2.51	33.11	-0.03	29.65	5.00
549	5.49	3.23	72.23	-2.30	2.24	3.23	2.24	4.00	2.52	18.36	92.09	0.00	92.09	34.07	2.30	0.00	4.00	0.85	1.08	2.51	33.59	-0.02	29.59	5.00
550	5.50	3.29	74.00	-2.30	2.25	3.29	2.25	4.00	2.51	18.40	92.27	0.00	92.27	34.65	2.31	0.00	4.00	0.85	1.08	2.50	34.16	-0.02	29.63	5.00
551	5.51	3.24	77.72	-2.30	2.40	3.24	2.40	4.00	2.53	18.45	92.46	0.00	92.46	34.04	2.47	0.00	4.00	0.86	1.08	2.53	33.60	-0.02	28.50	5.00
552	5.52	3.18	80.12	-2.30	2.52	3.18	2.52	4.00	2.55	18.47	92.64	0.00	92.64	33.32	2.60	0.00	4.00	0.87	1.08	2.55	32.92	-0.02	27.61	5.00
553	5.53	3.11	83.96	-2.59	2.70	3.11	2.70	4.00	2.58	18.52	92.83	0.00	92.83	32.50	2.78	0.00	4.00	0.88	1.08	2.57	32.15	-0.03	26.43	5.00
554	5.54	3.01	87.14	-2.68	2.90	3.01	2.90	4.00	2.61	18.55	93.01	0.00	93.01	31.35	2.99	0.00	4.00	0.89	1.08	2.61	31.06	-0.03	25.22	5.00
555	5.55	2.89	91.32	-2.97	3.16	2.89	3.16	4.00	2.65	18.59	93.20	0.00	93.20	30.00	3.27	0.00	4.00	0.90	1.08	2.64	29.76	-0.03	23.78	5.00
556	5.56	2.81	95.82	-2.97	3.41	2.81	3.41	4.00	2.68	18.63	93.39	0.00	93.39	29.08	3.53	0.00	4.00	0.92	1.08	2.68	28.88	-0.03	22.62	5.00
557	5.57	2.74	97.55	-3.07	3.56	2.74	3.56	4.00	2.70	18.64	93.57	0.00	93.57	28.28	3.69	0.00	4.00	0.92	1.08	2.70	28.10	-0.03	21.95	3.00
558	5.58	2.69	99.46	-3.16	3.70	2.69	3.70	4.00	2.72	18.66	93.76	0.00	93.76	27.68	3.83	0.00	4.00	0.93	1.07	2.72	27.54	-0.03	21.39	3.00
559	5.59	2.61	100.61	-3.45	3.85	2.61	3.86	4.00	2.74	18.66	93.95	0.00	93.95	26.77	4.00	0.00	4.00	0.94	1.07	2.74	26.65	-0.04	20.75	3.00
560	5.60	2.57	100.51	-3.45	3.91	2.57	3.91	4.00	2.75	18.65	94.13	0.00	94.13	26.29	4.06	0.00	4.00	0.94	1.07	2.75	26.19	-0.04	20.52	3.00
561	5.61	2.54	99.36	-3.54	3.91	2.54	3.91	4.00	2.75	18.64	94.32	0.00	94.32	25.92	4.06	0.00	4.00	0.95	1.07	2.75	25.82	-0.04	20.48	3.00
562	5.62	2.48	97.58	-3.54	3.93	2.48	3.94	4.00	2.76	18.61	94.50	0.00	94.50	25.23	4.09	0.00	4.00	0.95	1.07	2.76	25.15	-0.04	20.33	3.00
563	5.63	2.41	95.48	-3.64	3.96	2.41	3.96	4.00	2.77	18.57	94.69	0.00	94.69	24.44	4.13	0.00	3.00	0.95	1.07	2.78	24.37	-0.04	20.15	3.00
564	5.64	2.38	93.92	-3.54	3.95	2.38	3.95	4.00	2.78	18.55	94.88	0.00	94.88	24.08	4.11	0.00	3.00	0.96	1.06	2.78	24.01	-0.04	20.16	3.00
565	5.65	2.38	92.79	-3.74	3.90	2.38	3.90	4.00	2.77	18.53	95.06	0.00	95.06	24.03	4.06	0.00	3.00	0.96	1.06	2.78	23.96	-0.04	20.29	3.00
566	5.66	2.41	90.37	-4.03	3.75	2.41	3.75	4.00	2.76	18.51	95.25	0.00	95.25	24.29	3.91	0.00	4.00	0.95	1.06	2.76	24.22	-0.04	20.79	3.00
567	5.67	2.43	88.44	-4.41	3.64	2.43	3.64	4.00	2.75	18.48	95.43	0.00	95.43	24.45	3.79	0.00	4.00	0.95	1.06	2.75	24.37	-0.05	21.17	3.00
568	5.68	2.51	86.20	-4.89	3.43	2.51	3.44	4.00	2.72	18.47	95.62	0.00	95.62	25.24	3.57	0.00	4.00	0.94	1.06	2.73	25.15	-0.05	21.99	3.00
569	5.69	2.49	80.83	-5.75	3.25	2.49	3.25	4.00	2.71	18.39	95.80	0.00	95.80	24.98	3.38	0.00	4.00	0.93	1.05	2.71	24.88	-0.06	22.64	5.00
570	5.70	2.48	76.65	-6.04	3.09	2.48	3.09	4.00	2.69	18.33	95.98	0.00	95.98	24.82	3.22	0.00	4.00	0.93	1.05	2.70	24.73	-0.06	23.22	5.00
571	5.71	2.48	76.65	-6.04	3.09	2.48	3.09	4.00	2.69	18.33	96.17	0.00	96.17	24.78	3.22	0.00	4.00	0.93	1.05	2.70	24.68	-0.06	23.21	5.00
572	5.72	2.43	73.37	-5.37	3.02	2.43	3.02	4.00	2.69	18.27	96.35	0.00	96.35	24.21	3.15	0.00	4.00	0.93	1.05	2.70	24.12	-0.06	23.39	5.00
573	5.73	2.42	70.45	-6.04	2.91	2.42	2.91	4.00	2.69	18.22	96.53	0.00	96.53	24.06	3.03	0.00	4.00	0.92	1.05	2.70	23.97	-0.06	23.80	5.00
574	5.74	2.41	67.35	-6.80	2.79	2.41	2.80	4.00	2.68	18.17	96.71	0.00	96.71	23.90	2.91	0.00	4.00	0.92	1.04	2.69	23.82	-0.07	24.26	5.00
575	5.75	2.38	64.95	-6.90	2.73	2.38	2.73	4.00	2.67	18.12	96.89	0.00	96.89	23.55	2.85	0.00	4.00	0.92	1.04	2.69	23.46	-0.07	24.46	5.00
576	5.76	2.37	62.11	-6.90	2.62	2.37	2.62	4.00	2.66	18.07	97.07	0.00	97.07	23.40	2.73	0.00	4.00	0.92	1.04	2.68	23.32	-0.07	24.91	5.00
577	5.77	2.35	60.94	-7.09	2.59	2.35	2.59	4.00	2.66	18.04	97.26	0.00	97.26	23.15	2.71	0.00	4.00	0.92	1.04	2.68	23.07	-0.07	24.97	5.00
578	5.78	2.33	60.28	-6.13	2.59	2.33	2.59	4.00	2.67	18.03	97.44	0.00	97.44	22.90	2.70	0.00	4.00	0.92	1.04	2.68	22.83	-0.06	24.93	5.00
579	5.79	2.29	60.03	-5.65	2.62	2.29	2.62	4.00	2.68	18.02	97.62	0.00	97.62	22.45	2.74	0.00	4.00	0.92	1.04	2.69	22.38	-0.06	24.66	5.00
580	5.80	2.30	60.19	-5.56	2.62	2.30	2.62	4.00	2.67	18.02	97.80	0.00	97.80	22.51	2.73	0.00	4.00	0.92	1.03	2.69	22.45	-0.06	24.70	5.00
581	5.81	2.28	60.89	-5.56	2.67	2.28	2.67	4.00	2.68	18.03	97.98	0.00	97.98	22.26	2.79	0.00	4.00	0.93	1.03	2.70	22.20	-0.06	24.40	5.00
582	5.82	2.45	61.92	-5.08	2.53	2.45	2.53	4.00	2.64	18.08	98.16	0.00	98.16	23.95	2.63	0.00	4.00	0.91	1.03	2.66	23.88	-0.05	25.49	5.00
583	5.83	2.68	62.97	-3.07	2.35	2.68	2.35	4.00	2.59	18.13	98.34	0.00	98.34	26.25	2.44	0.00	4.00	0.89	1.03	2.61	26.16	-0.03	27.02	5.00
584	5.84	2.83	64.56	-2.01	2.28	2.83	2.28	4.00	2.57	18.18	98.52	0.00	98.52	27.72	2.36	0.00	4.00	0.88	1.03	2.58	27.63	-0.02	27.81	5.00
585	5.85	2.85	65.01	0.38	2.28	2.85	2.28	4.00	2.56	18.19	98.70	0.00	98.70	27.88	2.36	0.00	4.00	0.88	1.02	2.58	27.79	0.00	27.86	5.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
586	5.86	2.65	65.77	5.65	2.48	2.65	2.48	4.00	2.61	18.18	98.88	0.00	98.88	25.81	2.58	0.00	4.00	0.90	1.02	2.63	25.75	0.06	26.22	5.00
587	5.87	2.51	66.44	5.27	2.65	2.51	2.65	4.00	2.65	18.17	99.07	0.00	99.07	24.35	2.75	0.00	4.00	0.91	1.02	2.66	24.30	0.05	25.05	5.00
588	5.88	2.43	67.18	4.98	2.76	2.43	2.76	4.00	2.67	18.17	99.25	0.00	99.25	23.49	2.88	0.00	4.00	0.92	1.02	2.69	23.46	0.05	24.32	5.00
589	5.89	2.30	69.24	4.98	3.01	2.30	3.01	4.00	2.71	18.18	99.43	0.00	99.43	22.14	3.14	0.00	4.00	0.94	1.02	2.73	22.12	0.05	23.01	5.00
590	5.90	2.15	71.26	3.93	3.31	2.15	3.31	4.00	2.76	18.19	99.61	0.00	99.61	20.59	3.47	0.00	4.00	0.96	1.02	2.78	20.58	0.04	21.61	3.00
591	5.91	2.03	73.87	3.93	3.64	2.03	3.64	3.00	2.81	18.21	99.79	0.00	99.79	19.35	3.83	0.00	3.00	0.98	1.02	2.83	19.34	0.04	20.38	3.00
592	5.92	1.95	77.10	1.15	3.95	1.95	3.95	3.00	2.84	18.24	99.98	0.00	99.98	18.51	4.17	0.00	3.00	0.99	1.01	2.87	18.51	0.01	19.38	3.00
593	5.93	1.94	78.16	1.25	4.03	1.94	4.03	3.00	2.85	18.26	100.16	0.00	100.16	18.37	4.25	0.00	3.00	1.00	1.01	2.88	18.37	0.01	19.17	3.00
594	5.94	2.12	78.95	3.24	3.72	2.12	3.72	3.00	2.80	18.30	100.34	0.00	100.34	20.13	3.91	0.00	3.00	0.98	1.01	2.82	20.13	0.03	20.27	3.00
595	5.95	2.11	79.99	3.93	3.79	2.11	3.79	3.00	2.80	18.31	100.52	0.00	100.52	20.00	3.98	0.00	3.00	0.98	1.01	2.83	19.99	0.04	20.06	3.00
596	5.96	2.05	81.35	3.78	3.97	2.05	3.97	3.00	2.83	18.32	100.71	0.00	100.71	19.36	4.17	0.00	3.00	0.99	1.01	2.86	19.36	0.04	19.47	3.00
597	5.97	1.93	83.05	3.45	4.30	1.93	4.30	3.00	2.87	18.32	100.89	0.00	100.89	18.14	4.54	0.00	3.00	1.00	1.00	2.90	18.14	0.03	18.47	3.00
598	5.98	1.90	85.89	2.98	4.52	1.90	4.52	3.00	2.89	18.36	101.07	0.00	101.07	17.80	4.77	0.00	3.00	1.00	1.00	2.92	17.80	0.03	17.94	3.00
599	5.99	1.87	87.62	2.40	4.69	1.87	4.68	3.00	2.90	18.37	101.26	0.00	101.26	17.47	4.95	0.00	3.00	1.00	1.00	2.94	17.47	0.02	17.55	3.00
600	6.00	1.78	91.59	2.61	5.15	1.78	5.14	3.00	2.95	18.41	101.44	0.00	101.44	16.55	5.45	0.00	3.00	1.00	1.00	2.98	16.55	0.03	16.57	3.00
601	6.01	1.67	92.95	2.78	5.57	1.67	5.56	3.00	2.99	18.40	101.63	0.00	101.63	15.44	5.92	0.00	3.00	1.00	1.00	3.03	15.44	0.03	15.76	3.00
602	6.02	1.71	95.06	2.20	5.56	1.71	5.56	3.00	2.98	18.43	101.81	0.00	101.81	15.80	5.91	0.00	3.00	1.00	1.00	3.02	15.80	0.02	15.79	3.00
603	6.03	1.57	98.12	2.20	6.25	1.57	6.25	3.00	3.04	18.44	101.99	0.00	101.99	14.40	6.68	0.00	3.00	1.00	0.99	3.09	14.40	0.02	14.68	3.00
604	6.04	1.54	100.01	2.11	6.49	1.54	6.49	3.00	3.06	18.45	102.18	0.00	102.18	14.08	6.95	0.00	3.00	1.00	0.99	3.11	14.08	0.02	14.34	3.00
605	6.05	1.52	99.41	2.01	6.54	1.52	6.54	3.00	3.07	18.44	102.36	0.00	102.36	13.85	7.01	0.00	3.00	1.00	0.99	3.11	13.85	0.02	14.27	3.00
606	6.06	1.52	97.36	1.92	6.41	1.52	6.40	3.00	3.06	18.42	102.55	0.00	102.55	13.83	6.87	0.00	3.00	1.00	0.99	3.11	13.83	0.02	14.45	3.00
607	6.07	1.56	96.95	2.11	6.21	1.56	6.21	3.00	3.04	18.42	102.73	0.00	102.73	14.19	6.65	0.00	3.00	1.00	0.99	3.09	14.19	0.02	14.72	3.00
608	6.08	1.62	96.61	2.40	5.96	1.62	5.96	3.00	3.02	18.43	102.92	0.00	102.92	14.75	6.37	0.00	3.00	1.00	0.98	3.06	14.75	0.02	15.10	3.00
609	6.09	1.69	92.65	2.68	5.48	1.69	5.48	3.00	2.98	18.40	103.10	0.00	103.10	15.40	5.84	0.00	3.00	1.00	0.98	3.03	15.40	0.03	15.89	3.00
610	6.10	1.73	88.81	2.68	5.13	1.73	5.13	3.00	2.96	18.36	103.28	0.00	103.28	15.76	5.46	0.00	3.00	1.00	0.98	3.00	15.76	0.03	16.51	3.00
611	6.11	1.78	84.65	2.68	4.76	1.78	4.75	3.00	2.92	18.31	103.47	0.00	103.47	16.21	5.05	0.00	3.00	1.00	0.98	2.97	16.21	0.03	17.26	3.00
612	6.12	1.81	79.32	2.78	4.38	1.81	4.38	3.00	2.90	18.25	103.65	0.00	103.65	16.47	4.65	0.00	3.00	1.00	0.98	2.94	16.47	0.03	18.06	3.00
613	6.13	1.84	76.85	2.88	4.18	1.84	4.18	3.00	2.88	18.22	103.83	0.00	103.83	16.73	4.42	0.00	3.00	1.00	0.98	2.92	16.73	0.03	18.56	3.00
614	6.14	1.87	74.98	2.98	4.01	1.87	4.01	3.00	2.86	18.19	104.01	0.00	104.01	16.98	4.24	0.00	3.00	1.00	0.97	2.90	16.98	0.03	18.99	3.00
615	6.15	1.91	73.65	2.98	3.86	1.91	3.85	3.00	2.84	18.18	104.20	0.00	104.20	17.34	4.08	0.00	3.00	1.00	0.97	2.89	17.34	0.03	19.43	3.00
616	6.16	1.95	71.51	3.24	3.67	1.95	3.67	3.00	2.82	18.16	104.38	0.00	104.38	17.69	3.87	0.00	3.00	0.99	0.97	2.86	17.69	0.03	19.99	3.00
617	6.17	2.03	65.99	3.78	3.25	2.03	3.25	4.00	2.77	18.08	104.56	0.00	104.56	18.42	3.43	0.00	3.00	0.98	0.97	2.82	18.44	0.04	21.36	3.00
618	6.18	2.08	73.46	3.93	3.53	2.08	3.53	4.00	2.79	18.21	104.74	0.00	104.74	18.87	3.72	0.00	3.00	0.98	0.97	2.83	18.88	0.04	20.60	3.00
619	6.19	2.15	78.16	4.23	3.64	2.15	3.63	4.00	2.79	18.30	104.92	0.00	104.92	19.50	3.82	0.00	3.00	0.98	0.97	2.83	19.51	0.04	20.42	3.00
620	6.20	2.27	80.43	4.60	3.54	2.27	3.54	4.00	2.76	18.35	105.11	0.00	105.11	20.61	3.71	0.00	3.00	0.97	0.97	2.80	20.63	0.04	20.89	3.00
621	6.21	2.42	78.56	4.79	3.25	2.42	3.24	4.00	2.72	18.35	105.29	0.00	105.29	21.99	3.39	0.00	4.00	0.95	0.96	2.75	22.03	0.05	22.13	5.00
622	6.22	2.52	77.22	4.98	3.06	2.52	3.06	4.00	2.69	18.34	105.47	0.00	105.47	22.90	3.20	0.00	4.00	0.94	0.96	2.72	22.96	0.05	22.98	5.00
623	6.23	2.57	74.56	5.08	2.90	2.57	2.90	4.00	2.66	18.31	105.66	0.00	105.66	23.33	3.02	0.00	4.00	0.93	0.96	2.70	23.40	0.05	23.73	5.00
624	6.24	2.60	72.07	5.08	2.77	2.60	2.77	4.00	2.65	18.28	105.84	0.00	105.84	23.58	2.89	0.00	4.00	0.93	0.96	2.69	23.65	0.05	24.33	5.00
625	6.25	2.63	74.56	5.08	2.83	2.63	2.83	4.00	2.65	18.32	106.02	0.00	106.02	23.82	2.95	0.00	4.00	0.93	0.96	2.69	23.90	0.05	24.11	5.00
626	6.26	2.63	76.84	4.98	2.92	2.63	2.92	4.00	2.66	18.35	106.21	0.00	106.21	23.77	3.04	0.00	4.00	0.93	0.96	2.70	23.85	0.05	23.74	5.00
627	6.27	2.63	76.46	4.98	2.91	2.63	2.91	4.00	2.66	18.35	106.39	0.00	106.39	23.73	3.03	0.00	4.00	0.93	0.96	2.70	23.81	0.05	23.79	5.00
628	6.28	2.61	77.21	4.89	2.96	2.61	2.96	4.00	2.66	18.36	106.57	0.00	106.57	23.50	3.08	0.00	4.00	0.93	0.95	2.71	23.58	0.05	23.53	5.00
629	6.29	2.59	77.91	4.70	3.01	2.59	3.01	4.00	2.67	18.36	106.76	0.00	106.76	23.27	3.14	0.00	4.00	0.94	0.95	2.71	23.35	0.04	23.28	5.00
630	6.30	2.57	79.17	4.60	3.08	2.57	3.08	4.00	2.68	18.38	106.94	0.00	106.94	23.04	3.21	0.00	4.00	0.94	0.95	2.72	23.12	0.04	22.95	5.00

GeoDeep
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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
631	6.31	2.54	79.74	4.60	3.14	2.54	3.14	4.00	2.69	18.38	107.12	0.00	107.12	22.72	3.28	0.00	4.00	0.94	0.95	2.73	22.79	0.04	22.67	5.00
632	6.32	2.57	81.85	4.89	3.18	2.57	3.18	4.00	2.69	18.42	107.31	0.00	107.31	22.96	3.32	0.00	4.00	0.94	0.95	2.73	23.03	0.05	22.54	5.00
633	6.33	2.67	83.62	5.27	3.13	2.67	3.13	4.00	2.67	18.46	107.49	0.00	107.49	23.85	3.26	0.00	4.00	0.94	0.95	2.72	23.94	0.05	22.92	5.00
634	6.34	2.79	84.50	5.56	3.03	2.79	3.03	4.00	2.65	18.49	107.68	0.00	107.68	24.92	3.15	0.00	4.00	0.93	0.95	2.69	25.03	0.05	23.54	5.00
635	6.35	2.85	85.62	5.65	3.00	2.85	3.00	4.00	2.64	18.51	107.86	0.00	107.86	25.43	3.12	0.00	4.00	0.93	0.94	2.68	25.55	0.05	23.74	5.00
636	6.36	2.91	86.43	5.75	2.97	2.91	2.97	4.00	2.63	18.53	108.05	0.00	108.05	25.94	3.08	0.00	4.00	0.92	0.94	2.67	26.08	0.05	23.99	5.00
637	6.37	2.93	87.96	5.75	3.00	2.93	3.00	4.00	2.63	18.55	108.23	0.00	108.23	26.08	3.12	0.00	4.00	0.92	0.94	2.67	26.22	0.05	23.88	5.00
638	6.38	2.91	86.57	5.65	2.97	2.91	2.97	4.00	2.63	18.53	108.42	0.00	108.42	25.85	3.09	0.00	4.00	0.92	0.94	2.67	25.99	0.05	23.95	5.00
639	6.39	2.73	86.12	5.18	3.15	2.73	3.15	4.00	2.67	18.50	108.60	0.00	108.60	24.15	3.28	0.00	4.00	0.94	0.94	2.71	24.25	0.05	22.89	5.00
640	6.40	2.58	85.98	4.89	3.33	2.58	3.33	4.00	2.70	18.48	108.79	0.00	108.79	22.73	3.48	0.00	4.00	0.95	0.93	2.75	22.80	0.04	21.97	3.00
641	6.41	2.45	85.67	4.50	3.50	2.45	3.50	4.00	2.73	18.45	108.97	0.00	108.97	21.49	3.66	0.00	4.00	0.96	0.93	2.78	21.55	0.04	21.20	3.00
642	6.42	2.33	84.85	4.12	3.64	2.33	3.64	4.00	2.76	18.42	109.16	0.00	109.16	20.35	3.82	0.00	3.00	0.98	0.93	2.81	20.39	0.04	20.55	3.00
643	6.43	2.24	84.22	4.12	3.76	2.24	3.76	4.00	2.78	18.40	109.34	0.00	109.34	19.49	3.95	0.00	3.00	0.99	0.93	2.84	19.52	0.04	20.06	3.00
644	6.44	2.18	83.89	4.03	3.85	2.18	3.85	3.00	2.80	18.38	109.52	0.00	109.52	18.91	4.05	0.00	3.00	0.99	0.93	2.85	18.92	0.04	19.72	3.00
645	6.45	2.17	83.68	3.93	3.86	2.17	3.85	3.00	2.80	18.38	109.71	0.00	109.71	18.79	4.06	0.00	3.00	0.99	0.92	2.86	18.80	0.04	19.68	3.00
646	6.46	2.18	82.83	3.93	3.80	2.18	3.80	3.00	2.79	18.37	109.89	0.00	109.89	18.85	4.00	0.00	3.00	0.99	0.92	2.85	18.86	0.04	19.84	3.00
647	6.47	2.18	80.78	3.93	3.71	2.18	3.70	4.00	2.79	18.34	110.08	0.00	110.08	18.81	3.90	0.00	3.00	0.99	0.92	2.85	18.83	0.04	20.10	3.00
648	6.48	2.15	78.51	3.93	3.65	2.15	3.65	4.00	2.79	18.30	110.26	0.00	110.26	18.51	3.85	0.00	3.00	0.99	0.92	2.85	18.52	0.04	20.19	3.00
649	6.49	2.14	75.03	4.41	3.51	2.14	3.50	4.00	2.78	18.25	110.44	0.00	110.44	18.39	3.70	0.00	3.00	0.99	0.92	2.84	18.41	0.04	20.58	3.00
650	6.50	2.18	72.08	6.42	3.31	2.18	3.30	4.00	2.76	18.21	110.62	0.00	110.62	18.72	3.48	0.00	3.00	0.98	0.92	2.82	18.76	0.06	21.26	3.00
651	6.51	2.22	67.06	8.15	3.02	2.22	3.02	4.00	2.72	18.13	110.80	0.00	110.80	19.05	3.18	0.00	4.00	0.97	0.92	2.78	19.11	0.07	22.27	5.00
652	6.52	2.26	65.46	8.82	2.90	2.26	2.89	4.00	2.71	18.11	110.99	0.00	110.99	19.38	3.04	0.00	4.00	0.96	0.92	2.77	19.45	0.08	22.80	5.00
653	6.53	2.34	64.19	8.72	2.74	2.34	2.74	4.00	2.68	18.10	111.17	0.00	111.17	20.07	2.88	0.00	4.00	0.95	0.92	2.74	20.16	0.08	23.56	5.00
654	6.54	2.38	63.00	8.43	2.65	2.38	2.65	4.00	2.67	18.09	111.35	0.00	111.35	20.39	2.77	0.00	4.00	0.94	0.91	2.72	20.50	0.08	24.04	5.00
655	6.55	2.31	62.11	8.15	2.69	2.31	2.69	4.00	2.68	18.06	111.53	0.00	111.53	19.73	2.82	0.00	4.00	0.95	0.91	2.74	19.82	0.07	23.68	5.00
656	6.56	2.27	62.21	7.82	2.74	2.27	2.74	4.00	2.69	18.05	111.71	0.00	111.71	19.34	2.88	0.00	4.00	0.95	0.91	2.75	19.42	0.07	23.36	5.00
657	6.57	2.22	63.37	7.51	2.85	2.22	2.85	4.00	2.71	18.07	111.89	0.00	111.89	18.86	3.00	0.00	4.00	0.96	0.91	2.77	18.93	0.07	22.80	5.00
658	6.58	2.18	63.60	7.38	2.92	2.18	2.92	4.00	2.72	18.06	112.07	0.00	112.07	18.47	3.07	0.00	4.00	0.97	0.91	2.79	18.53	0.07	22.47	5.00
659	6.59	2.14	64.10	7.28	3.00	2.14	2.99	4.00	2.73	18.07	112.25	0.00	112.25	18.08	3.16	0.00	4.00	0.97	0.91	2.80	18.13	0.06	22.10	5.00
660	6.60	2.17	66.05	7.38	3.04	2.17	3.04	4.00	2.73	18.11	112.43	0.00	112.43	18.31	3.21	0.00	4.00	0.97	0.90	2.80	18.37	0.07	22.00	3.00
661	6.61	2.22	68.80	7.57	3.10	2.22	3.10	4.00	2.73	18.16	112.61	0.00	112.61	18.73	3.26	0.00	4.00	0.97	0.90	2.80	18.78	0.07	21.93	3.00
662	6.62	2.24	71.76	7.67	3.20	2.24	3.20	4.00	2.74	18.21	112.80	0.00	112.80	18.87	3.37	0.00	4.00	0.97	0.90	2.80	18.93	0.07	21.62	3.00
663	6.63	2.28	74.41	7.86	3.26	2.28	3.26	4.00	2.74	18.26	112.98	0.00	112.98	19.20	3.43	0.00	4.00	0.97	0.90	2.80	19.25	0.07	21.50	3.00
664	6.64	2.31	76.18	7.86	3.30	2.31	3.30	4.00	2.73	18.29	113.16	0.00	113.16	19.43	3.47	0.00	4.00	0.97	0.90	2.80	19.49	0.07	21.44	3.00
665	6.65	2.32	75.39	7.76	3.25	2.32	3.25	4.00	2.73	18.28	113.34	0.00	113.34	19.48	3.41	0.00	4.00	0.97	0.90	2.80	19.55	0.07	21.61	3.00
666	6.66	2.32	75.10	7.57	3.24	2.32	3.23	4.00	2.73	18.28	113.53	0.00	113.53	19.45	3.40	0.00	4.00	0.97	0.90	2.80	19.51	0.07	21.64	3.00
667	6.67	2.25	74.95	7.38	3.33	2.25	3.33	4.00	2.75	18.26	113.71	0.00	113.71	18.80	3.51	0.00	3.00	0.98	0.89	2.82	18.85	0.06	21.20	3.00
668	6.68	2.17	74.88	7.38	3.45	2.17	3.45	4.00	2.77	18.25	113.89	0.00	113.89	18.07	3.64	0.00	3.00	0.99	0.89	2.84	18.09	0.06	20.68	3.00
669	6.69	2.18	75.14	7.48	3.45	2.18	3.44	4.00	2.77	18.26	114.07	0.00	114.07	18.12	3.63	0.00	3.00	0.99	0.89	2.84	18.15	0.07	20.70	3.00
670	6.70	2.20	76.74	7.48	3.49	2.20	3.49	4.00	2.77	18.28	114.26	0.00	114.26	18.27	3.68	0.00	3.00	0.99	0.89	2.84	18.29	0.07	20.61	3.00
671	6.71	2.18	77.31	7.48	3.55	2.18	3.54	4.00	2.77	18.29	114.44	0.00	114.44	18.06	3.74	0.00	3.00	0.99	0.89	2.85	18.08	0.07	20.40	3.00
672	6.72	2.34	78.73	8.15	3.36	2.34	3.36	4.00	2.74	18.34	114.62	0.00	114.62	19.43	3.54	0.00	4.00	0.98	0.89	2.81	19.49	0.07	21.23	3.00
673	6.73	2.48	81.66	8.63	3.29	2.48	3.29	4.00	2.71	18.40	114.81	0.00	114.81	20.62	3.45	0.00	4.00	0.97	0.89	2.78	20.71	0.08	21.71	3.00
674	6.74	2.63	83.46	9.01	3.17	2.63	3.17	4.00	2.68	18.45	114.99	0.00	114.99	21.89	3.32	0.00	4.00	0.95	0.89	2.75	22.02	0.08	22.39	5.00
675	6.75	2.76	82.99	9.20	3.01	2.76	3.00	4.00	2.65	18.46	115.18	0.00	115.18	22.98	3.14	0.00	4.00	0.94	0.89	2.72	23.15	0.08	23.25	5.00

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	In situ data					Basic output data																	
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
676	6.76	2.86	83.81	9.58	2.93	2.86	2.93	4.00	2.63	18.49	115.36	0.00	115.36	23.81	3.05	0.00	4.00	0.93	0.89	2.70	24.01	0.08	23.74	5.00
677	6.77	3.04	85.38	9.97	2.81	3.04	2.81	4.00	2.60	18.53	115.55	0.00	115.55	25.33	2.92	0.00	4.00	0.92	0.89	2.66	25.59	0.09	24.60	5.00
678	6.78	3.18	85.86	10.25	2.70	3.18	2.70	4.00	2.57	18.55	115.73	0.00	115.73	26.50	2.80	0.00	4.00	0.91	0.89	2.64	26.81	0.09	25.37	5.00
679	6.79	3.23	84.09	10.23	2.60	3.23	2.60	4.00	2.56	18.54	115.92	0.00	115.92	26.88	2.70	0.00	4.00	0.91	0.89	2.62	27.23	0.09	25.95	5.00
680	6.80	3.43	81.44	10.93	2.37	3.43	2.37	4.00	2.51	18.52	116.10	0.00	116.10	28.56	2.46	0.00	4.00	0.89	0.89	2.57	29.00	0.09	27.62	5.00
681	6.81	3.65	79.52	10.93	2.18	3.65	2.18	5.00	2.47	18.52	116.29	0.00	116.29	30.41	2.25	0.00	4.00	0.87	0.89	2.53	30.95	0.09	29.33	5.00
682	6.82	3.39	76.23	10.25	2.25	3.39	2.25	4.00	2.50	18.44	116.47	0.00	116.47	28.12	2.33	0.00	4.00	0.88	0.88	2.56	28.58	0.09	28.26	5.00
683	6.83	3.18	73.46	9.49	2.31	3.18	2.31	4.00	2.53	18.37	116.66	0.00	116.66	26.28	2.40	0.00	4.00	0.90	0.88	2.60	26.66	0.08	27.38	5.00
684	6.84	2.85	72.80	9.10	2.55	2.85	2.55	4.00	2.59	18.32	116.84	0.00	116.84	23.41	2.66	0.00	4.00	0.92	0.88	2.66	23.67	0.08	25.31	5.00
685	6.85	2.60	73.43	8.34	2.82	2.60	2.82	4.00	2.65	18.30	117.02	0.00	117.02	21.23	2.96	0.00	4.00	0.95	0.87	2.73	21.40	0.07	23.57	5.00
686	6.86	2.54	74.03	7.86	2.91	2.54	2.91	4.00	2.67	18.30	117.21	0.00	117.21	20.69	3.05	0.00	4.00	0.95	0.87	2.74	20.83	0.07	23.07	5.00
687	6.87	2.52	75.55	8.24	3.00	2.52	3.00	4.00	2.68	18.32	117.39	0.00	117.39	20.48	3.14	0.00	4.00	0.96	0.87	2.76	20.61	0.07	22.71	5.00
688	6.88	2.63	76.81	9.37	2.92	2.63	2.92	4.00	2.66	18.35	117.57	0.00	117.57	21.39	3.05	0.00	4.00	0.95	0.87	2.73	21.55	0.08	23.23	5.00
689	6.89	2.74	77.15	10.54	2.82	2.74	2.81	4.00	2.63	18.37	117.76	0.00	117.76	22.29	2.94	0.00	4.00	0.94	0.87	2.71	22.49	0.09	23.87	5.00
690	6.90	2.90	76.77	11.12	2.65	2.90	2.65	4.00	2.60	18.39	117.94	0.00	117.94	23.61	2.76	0.00	4.00	0.93	0.87	2.67	23.88	0.09	24.94	5.00
691	6.91	2.94	73.97	11.12	2.52	2.94	2.51	4.00	2.58	18.35	118.12	0.00	118.12	23.91	2.62	0.00	4.00	0.92	0.87	2.65	24.21	0.09	25.64	5.00
692	6.92	3.01	71.63	10.55	2.38	3.01	2.38	4.00	2.56	18.32	118.31	0.00	118.31	24.46	2.48	0.00	4.00	0.91	0.87	2.63	24.80	0.09	26.49	5.00
693	6.93	2.99	70.41	9.94	2.35	2.99	2.35	4.00	2.56	18.30	118.49	0.00	118.49	24.25	2.45	0.00	4.00	0.91	0.87	2.63	24.60	0.08	26.56	5.00
694	6.94	2.98	70.03	9.20	2.35	2.98	2.35	4.00	2.56	18.29	118.67	0.00	118.67	24.13	2.45	0.00	4.00	0.91	0.87	2.63	24.47	0.08	26.55	5.00
695	6.95	3.07	69.96	9.10	2.28	3.07	2.28	4.00	2.54	18.30	118.86	0.00	118.86	24.85	2.37	0.00	4.00	0.90	0.87	2.61	25.23	0.08	27.15	5.00
696	6.96	3.12	70.37	8.82	2.26	3.12	2.25	4.00	2.53	18.32	119.04	0.00	119.04	25.23	2.34	0.00	4.00	0.90	0.86	2.60	25.63	0.07	27.40	5.00
697	6.97	3.04	72.74	8.53	2.39	3.04	2.39	4.00	2.55	18.35	119.22	0.00	119.22	24.51	2.49	0.00	4.00	0.91	0.86	2.63	24.87	0.07	26.44	5.00
698	6.98	2.91	72.64	8.24	2.50	2.91	2.49	4.00	2.58	18.33	119.41	0.00	119.41	23.39	2.60	0.00	4.00	0.92	0.86	2.66	23.69	0.07	25.59	5.00
699	6.99	2.73	72.14	7.66	2.64	2.73	2.64	4.00	2.62	18.29	119.59	0.00	119.59	21.84	2.76	0.00	4.00	0.94	0.86	2.70	22.07	0.06	24.49	5.00
700	7.00	2.57	72.08	5.81	2.80	2.57	2.80	4.00	2.65	18.27	119.77	0.00	119.77	20.47	2.94	0.00	4.00	0.95	0.85	2.74	20.63	0.05	23.44	5.00
701	7.01	2.43	72.58	7.12	2.99	2.43	2.98	4.00	2.69	18.26	119.95	0.00	119.95	19.27	3.14	0.00	4.00	0.97	0.85	2.78	19.38	0.06	22.45	5.00
702	7.02	2.31	72.23	8.95	3.13	2.31	3.12	4.00	2.72	18.23	120.14	0.00	120.14	18.24	3.30	0.00	4.00	0.98	0.85	2.81	18.31	0.07	21.72	3.00
703	7.03	2.27	71.73	8.95	3.16	2.27	3.16	4.00	2.73	18.22	120.32	0.00	120.32	17.88	3.33	0.00	4.00	0.98	0.84	2.82	17.93	0.07	21.52	3.00
704	7.04	2.22	68.58	9.13	3.09	2.22	3.09	4.00	2.73	18.16	120.50	0.00	120.50	17.44	3.26	0.00	4.00	0.98	0.84	2.82	17.49	0.08	21.63	3.00
705	7.05	2.21	67.63	9.13	3.06	2.21	3.06	4.00	2.73	18.14	120.68	0.00	120.68	17.33	3.23	0.00	4.00	0.98	0.84	2.82	17.37	0.08	21.69	3.00
706	7.06	2.18	67.41	9.13	3.09	2.18	3.09	4.00	2.74	18.13	120.86	0.00	120.86	17.05	3.27	0.00	3.00	0.99	0.84	2.83	17.09	0.08	21.52	3.00
707	7.07	2.10	67.92	9.45	3.23	2.10	3.23	4.00	2.76	18.13	121.04	0.00	121.04	16.37	3.43	0.00	3.00	1.00	0.84	2.86	16.37	0.08	20.91	3.00
708	7.08	2.05	68.83	9.64	3.36	2.05	3.35	4.00	2.78	18.13	121.22	0.00	121.22	15.93	3.56	0.00	3.00	1.00	0.84	2.88	15.93	0.08	20.45	3.00
709	7.09	1.98	69.27	9.97	3.50	1.98	3.49	4.00	2.80	18.13	121.41	0.00	121.41	15.33	3.72	0.01	3.00	1.00	0.83	2.90	15.33	0.08	19.93	3.00
710	7.10	1.92	70.69	10.12	3.68	1.92	3.68	3.00	2.83	18.14	121.59	0.00	121.59	14.81	3.93	0.01	3.00	1.00	0.83	2.93	14.81	0.08	19.36	3.00
711	7.11	1.86	72.90	23.36	3.92	1.86	3.91	3.00	2.85	18.16	121.77	0.00	121.77	14.32	4.18	0.01	3.00	1.00	0.83	2.96	14.32	0.19	18.72	3.00
712	7.12	1.83	79.74	45.61	4.36	1.84	4.33	3.00	2.89	18.26	121.95	0.00	121.95	14.08	4.64	0.03	3.00	1.00	0.83	2.99	14.08	0.37	17.79	3.00
713	7.13	1.72	82.15	68.23	4.78	1.73	4.74	3.00	2.93	18.27	122.13	0.00	122.13	13.20	5.10	0.04	3.00	1.00	0.83	3.04	13.20	0.56	16.90	3.00
714	7.14	1.81	84.34	76.78	4.66	1.83	4.62	3.00	2.91	18.32	122.32	0.00	122.32	13.93	4.95	0.05	3.00	1.00	0.83	3.01	13.93	0.63	17.22	3.00
715	7.15	1.79	88.60	85.51	4.95	1.81	4.90	3.00	2.93	18.37	122.50	0.00	122.50	13.76	5.26	0.05	3.00	1.00	0.83	3.03	13.76	0.70	16.69	3.00
716	7.16	1.90	87.59	70.63	4.61	1.91	4.57	3.00	2.89	18.38	122.68	0.00	122.68	14.61	4.89	0.04	3.00	1.00	0.83	2.99	14.61	0.58	17.40	3.00
717	7.17	1.96	79.43	65.59	4.05	1.97	4.02	3.00	2.84	18.28	122.87	0.00	122.87	15.06	4.29	0.04	3.00	1.00	0.82	2.95	15.06	0.53	18.61	3.00
718	7.18	2.02	69.83	65.24	3.46	2.03	3.43	4.00	2.79	18.14	123.05	0.00	123.05	15.53	3.65	0.03	3.00	1.00	0.82	2.89	15.53	0.53	20.14	3.00
719	7.19	2.05	59.62	62.65	2.91	2.06	2.89	4.00	2.74	17.97	123.23	0.00	123.23	15.74	3.07	0.03	3.00	0.99	0.82	2.84	15.76	0.51	21.75	3.00
720	7.20	2.08	56.97	60.47	2.74	2.09	2.72	4.00	2.72	17.92	123.41	0.00	123.41	15.96	2.89	0.03	4.00	0.99	0.82	2.82	16.00	0.49	22.36	5.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
721	7.21	2.11	56.09	58.75	2.66	2.12	2.64	4.00	2.70	17.91	123.59	0.00	123.59	16.17	2.81	0.03	4.00	0.98	0.82	2.81	16.23	0.48	22.70	5.00
722	7.22	2.25	55.52	63.47	2.47	2.26	2.45	4.00	2.66	17.92	123.77	0.00	123.77	17.29	2.59	0.03	4.00	0.96	0.82	2.76	17.41	0.51	23.80	5.00
723	7.23	2.48	54.99	65.61	2.22	2.49	2.21	4.00	2.60	17.95	123.95	0.00	123.95	19.12	2.32	0.03	4.00	0.94	0.83	2.70	19.36	0.53	25.55	5.00
724	7.24	2.36	54.14	67.95	2.29	2.37	2.28	4.00	2.63	17.91	124.12	0.00	124.12	18.13	2.41	0.03	4.00	0.95	0.82	2.73	18.31	0.55	24.82	0.00
725	7.25	2.30	55.56	67.86	2.42	2.31	2.40	4.00	2.65	17.93	124.30	0.00	124.30	17.62	2.54	0.03	4.00	0.96	0.82	2.75	17.76	0.55	24.13	5.00
726	7.26	2.34	58.96	65.36	2.52	2.35	2.50	4.00	2.65	18.01	124.48	0.00	124.48	17.91	2.64	0.03	4.00	0.96	0.82	2.76	18.05	0.53	23.82	5.00
727	7.27	2.38	64.34	64.31	2.70	2.39	2.69	4.00	2.67	18.11	124.67	0.00	124.67	18.20	2.84	0.03	4.00	0.97	0.82	2.77	18.33	0.52	23.22	5.00
728	7.28	2.41	67.85	63.71	2.82	2.42	2.80	4.00	2.67	18.18	124.85	0.00	124.85	18.41	2.95	0.03	4.00	0.97	0.82	2.78	18.53	0.51	22.88	5.00
729	7.29	2.45	69.21	62.38	2.82	2.46	2.81	4.00	2.67	18.21	125.03	0.00	125.03	18.70	2.96	0.03	4.00	0.97	0.82	2.77	18.83	0.50	22.93	5.00
730	7.30	2.30	71.65	63.08	3.12	2.31	3.10	4.00	2.72	18.22	125.21	0.00	125.21	17.47	3.27	0.03	4.00	0.99	0.81	2.82	17.52	0.50	21.61	3.00
731	7.31	2.19	73.67	63.52	3.36	2.20	3.34	4.00	2.76	18.24	125.39	0.00	125.39	16.57	3.55	0.03	3.00	1.00	0.81	2.86	16.57	0.51	20.64	3.00
732	7.32	2.37	75.14	64.51	3.17	2.38	3.15	4.00	2.71	18.29	125.58	0.00	125.58	17.98	3.33	0.03	4.00	0.99	0.81	2.82	18.04	0.51	21.56	3.00
733	7.33	2.61	78.36	66.51	3.00	2.62	2.99	4.00	2.67	18.37	125.76	0.00	125.76	19.86	3.14	0.03	4.00	0.97	0.81	2.77	20.01	0.53	22.60	5.00
734	7.34	2.82	79.35	67.93	2.81	2.83	2.80	4.00	2.62	18.42	125.94	0.00	125.94	21.50	2.93	0.03	4.00	0.95	0.81	2.72	21.75	0.54	23.74	5.00
735	7.35	3.15	80.61	69.00	2.56	3.16	2.55	4.00	2.56	18.48	126.13	0.00	126.13	24.09	2.65	0.02	4.00	0.92	0.82	2.65	24.50	0.55	25.56	5.00
736	7.36	3.16	81.74	69.00	2.59	3.17	2.57	4.00	2.56	18.50	126.31	0.00	126.31	24.13	2.68	0.02	4.00	0.92	0.82	2.65	24.54	0.55	25.43	5.00
737	7.37	3.18	82.93	68.81	2.61	3.19	2.60	4.00	2.56	18.52	126.50	0.00	126.50	24.25	2.70	0.02	4.00	0.92	0.81	2.65	24.67	0.54	25.36	5.00
738	7.38	3.19	84.31	68.53	2.64	3.20	2.63	4.00	2.56	18.54	126.69	0.00	126.69	24.29	2.74	0.02	4.00	0.93	0.81	2.66	24.70	0.54	25.21	5.00
739	7.39	3.23	83.16	68.14	2.57	3.24	2.56	4.00	2.55	18.52	126.87	0.00	126.87	24.57	2.67	0.02	4.00	0.92	0.81	2.65	25.01	0.54	25.61	5.00
740	7.40	3.25	82.29	67.86	2.53	3.26	2.52	4.00	2.55	18.51	127.06	0.00	127.06	24.69	2.62	0.02	4.00	0.92	0.81	2.64	25.15	0.53	25.85	5.00
741	7.41	3.27	79.45	67.38	2.43	3.28	2.42	4.00	2.53	18.48	127.24	0.00	127.24	24.81	2.52	0.02	4.00	0.91	0.81	2.63	25.30	0.53	26.41	5.00
742	7.42	3.25	77.12	68.89	2.37	3.26	2.36	4.00	2.53	18.44	127.42	0.00	127.42	24.62	2.46	0.02	4.00	0.91	0.81	2.62	25.12	0.54	26.66	5.00
743	7.43	3.12	79.29	65.27	2.54	3.13	2.53	4.00	2.56	18.46	127.61	0.00	127.61	23.56	2.64	0.02	4.00	0.93	0.81	2.66	23.96	0.51	25.50	5.00
744	7.44	2.99	77.23	64.12	2.58	3.00	2.57	4.00	2.58	18.41	127.79	0.00	127.79	22.50	2.69	0.02	4.00	0.93	0.81	2.68	22.85	0.50	25.01	5.00
745	7.45	2.84	75.12	62.49	2.65	2.85	2.63	4.00	2.60	18.36	127.98	0.00	127.98	21.29	2.76	0.02	4.00	0.94	0.80	2.71	21.57	0.49	24.39	5.00
746	7.46	2.52	74.69	58.85	2.96	2.53	2.95	4.00	2.67	18.31	128.16	0.00	128.16	18.76	3.11	0.02	4.00	0.97	0.80	2.78	18.88	0.46	22.45	5.00
747	7.47	2.41	82.95	57.70	3.44	2.42	3.42	4.00	2.73	18.41	128.34	0.00	128.34	17.87	3.62	0.03	3.00	1.00	0.79	2.84	17.89	0.45	20.71	3.00
748	7.48	2.37	84.28	57.50	3.56	2.38	3.54	4.00	2.74	18.42	128.53	0.00	128.53	17.53	3.74	0.03	3.00	1.00	0.79	2.86	17.53	0.45	20.31	3.00
749	7.49	2.34	77.56	58.45	3.31	2.35	3.30	4.00	2.73	18.32	128.71	0.00	128.71	17.28	3.49	0.03	3.00	1.00	0.79	2.84	17.29	0.45	20.94	3.00
750	7.50	2.29	71.42	58.45	3.12	2.30	3.10	4.00	2.72	18.22	128.89	0.00	128.89	16.86	3.29	0.03	3.00	0.99	0.79	2.84	16.88	0.45	21.42	3.00
751	7.51	2.25	71.23	58.22	3.17	2.26	3.15	4.00	2.73	18.21	129.08	0.00	129.08	16.53	3.34	0.03	3.00	1.00	0.79	2.85	16.53	0.45	21.19	3.00
752	7.52	2.15	70.92	59.65	3.30	2.16	3.28	4.00	2.76	18.19	129.26	0.00	129.26	15.73	3.49	0.03	3.00	1.00	0.78	2.88	15.73	0.46	20.61	3.00
753	7.53	2.05	70.77	60.76	3.45	2.06	3.43	4.00	2.78	18.17	129.44	0.00	129.44	14.94	3.66	0.03	3.00	1.00	0.78	2.91	14.94	0.47	20.00	3.00
754	7.54	2.03	70.63	61.82	3.48	2.04	3.46	4.00	2.79	18.16	129.62	0.00	129.62	14.76	3.69	0.03	3.00	1.00	0.78	2.91	14.76	0.48	19.89	3.00
755	7.55	1.96	71.23	62.63	3.63	1.97	3.61	3.00	2.81	18.16	129.80	0.00	129.80	14.20	3.86	0.03	3.00	1.00	0.78	2.94	14.20	0.48	19.38	3.00
756	7.56	1.95	72.97	58.11	3.74	1.96	3.72	3.00	2.82	18.18	129.98	0.00	129.98	14.10	3.98	0.03	3.00	1.00	0.78	2.95	14.10	0.45	19.10	3.00
757	7.57	1.79	72.29	57.12	4.04	1.80	4.01	3.00	2.87	18.14	130.17	0.00	130.17	12.84	4.32	0.03	3.00	1.00	0.78	3.00	12.84	0.44	18.20	3.00
758	7.58	1.74	71.69	57.91	4.12	1.75	4.09	3.00	2.89	18.12	130.35	0.00	130.35	12.44	4.42	0.04	3.00	1.00	0.78	3.02	12.44	0.44	17.95	3.00
759	7.59	1.73	70.53	58.26	4.08	1.74	4.05	3.00	2.89	18.10	130.53	0.00	130.53	12.35	4.38	0.04	3.00	1.00	0.78	3.02	12.35	0.45	18.02	3.00
760	7.60	1.74	69.68	61.24	4.00	1.75	3.98	3.00	2.88	18.08	130.71	0.00	130.71	12.41	4.30	0.04	3.00	1.00	0.78	3.01	12.41	0.47	18.17	3.00
761	7.61	1.96	67.54	68.65	3.45	1.97	3.42	4.00	2.80	18.09	130.89	0.00	130.89	14.08	3.66	0.04	3.00	1.00	0.77	2.93	14.08	0.52	19.81	3.00
762	7.62	2.11	65.33	75.84	3.10	2.13	3.07	4.00	2.74	18.08	131.07	0.00	131.07	15.22	3.27	0.04	3.00	1.00	0.77	2.87	15.22	0.58	21.04	3.00
763	7.63	2.37	64.86	87.02	2.74	2.39	2.72	4.00	2.67	18.12	131.25	0.00	131.25	17.20	2.87	0.04	4.00	0.98	0.78	2.79	17.29	0.66	22.80	5.00
764	7.64	3.34	64.10	90.57	1.92	3.36	1.91	5.00	2.46	18.24	131.43	0.00	131.43	24.56	1.99	0.03	4.00	0.89	0.79	2.57	25.25	0.69	29.34	5.00
765	7.65	3.78	62.99	93.44	1.67	3.80	1.66	5.00	2.38	18.27	131.62	0.00	131.62	27.87	1.72	0.03	5.00	0.86	0.80	2.48	28.91	0.71	32.52	7.00

GeoDeep
Sismica e Geotecnica

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
766	7.66	4.12	62.68	96.42	1.52	4.14	1.51	5.00	2.33	18.29	131.80	0.00	131.80	30.41	1.56	0.02	5.00	0.84	0.80	2.42	31.73	0.73	34.89	7.00
767	7.67	4.52	62.24	98.52	1.38	4.54	1.37	5.00	2.27	18.32	131.98	0.00	131.98	33.40	1.41	0.02	5.00	0.82	0.81	2.36	35.07	0.75	37.71	7.00
768	7.68	4.59	60.73	98.43	1.32	4.61	1.32	5.00	2.25	18.30	132.17	0.00	132.17	33.89	1.36	0.02	5.00	0.81	0.81	2.35	35.64	0.74	38.57	7.00
769	7.69	4.66	61.29	99.40	1.32	4.68	1.31	5.00	2.25	18.31	132.35	0.00	132.35	34.37	1.35	0.02	5.00	0.81	0.81	2.34	36.19	0.75	38.89	7.00
770	7.70	4.77	62.05	100.10	1.30	4.79	1.30	5.00	2.24	18.34	132.53	0.00	132.53	35.15	1.33	0.02	5.00	0.80	0.81	2.33	37.06	0.76	39.43	7.00
771	7.71	5.00	64.26	101.11	1.29	5.02	1.28	5.00	2.22	18.40	132.72	0.00	132.72	36.83	1.31	0.02	5.00	0.80	0.81	2.31	38.93	0.76	40.38	7.00
772	7.72	5.07	66.09	101.30	1.30	5.09	1.30	5.00	2.22	18.43	132.90	0.00	132.90	37.31	1.33	0.02	5.00	0.79	0.81	2.31	39.45	0.76	40.34	7.00
773	7.73	5.07	69.88	100.63	1.38	5.09	1.37	5.00	2.23	18.50	133.09	0.00	133.09	37.25	1.41	0.02	5.00	0.80	0.80	2.32	39.34	0.76	39.33	7.00
774	7.74	5.05	73.28	99.58	1.45	5.07	1.45	5.00	2.24	18.55	133.27	0.00	133.27	37.05	1.48	0.02	5.00	0.81	0.80	2.34	39.07	0.75	38.34	7.00
775	7.75	4.97	78.65	97.76	1.58	4.99	1.58	5.00	2.27	18.63	133.46	0.00	133.46	36.39	1.62	0.02	5.00	0.82	0.80	2.37	38.26	0.73	36.57	7.00
776	7.76	4.84	83.31	96.42	1.72	4.86	1.71	5.00	2.31	18.68	133.64	0.00	133.64	35.37	1.76	0.02	5.00	0.83	0.79	2.40	37.06	0.72	34.78	7.00
777	7.77	4.66	84.75	91.62	1.82	4.68	1.81	5.00	2.33	18.69	133.83	0.00	133.83	33.96	1.86	0.02	5.00	0.84	0.79	2.43	35.49	0.68	33.41	7.00
778	7.78	4.42	86.90	88.75	1.97	4.44	1.96	5.00	2.37	18.70	134.02	0.00	134.02	32.12	2.02	0.02	5.00	0.86	0.79	2.47	33.42	0.66	31.59	5.00
779	7.79	3.65	88.23	83.86	2.42	3.67	2.41	4.00	2.49	18.64	134.20	0.00	134.20	26.33	2.50	0.02	4.00	0.91	0.77	2.60	27.02	0.62	26.93	5.00
780	7.80	3.50	90.05	83.47	2.57	3.52	2.56	4.00	2.52	18.65	134.39	0.00	134.39	25.17	2.66	0.02	4.00	0.92	0.77	2.64	25.74	0.62	25.80	5.00
781	7.81	3.19	89.74	83.89	2.81	3.21	2.80	4.00	2.58	18.61	134.58	0.00	134.58	22.83	2.92	0.03	4.00	0.94	0.77	2.70	23.20	0.62	24.10	5.00
782	7.82	3.02	91.63	81.46	3.03	3.04	3.02	4.00	2.62	18.61	134.76	0.00	134.76	21.54	3.16	0.03	4.00	0.96	0.76	2.74	21.78	0.60	22.90	5.00
783	7.83	2.78	92.77	84.65	3.34	2.80	3.32	4.00	2.67	18.59	134.95	0.00	134.95	19.73	3.48	0.03	4.00	0.98	0.75	2.80	19.83	0.63	21.45	3.00
784	7.84	2.36	96.67	90.61	4.10	2.38	4.06	3.00	2.78	18.58	135.13	0.00	135.13	16.60	4.31	0.04	3.00	1.00	0.75	2.92	16.60	0.67	18.80	3.00
785	7.85	2.06	97.87	98.47	4.75	2.08	4.70	3.00	2.87	18.54	135.32	0.00	135.32	14.38	5.03	0.05	3.00	1.00	0.75	3.01	14.38	0.73	17.13	3.00
786	7.86	1.85	97.03	109.56	5.24	1.87	5.18	3.00	2.93	18.49	135.50	0.00	135.50	12.82	5.58	0.06	3.00	1.00	0.75	3.07	12.82	0.81	16.12	3.00
787	7.87	1.61	90.69	119.53	5.63	1.64	5.55	3.00	3.00	18.36	135.69	0.00	135.69	11.05	6.05	0.08	3.00	1.00	0.75	3.15	11.05	0.88	15.38	2.00
788	7.88	1.42	85.52	125.23	6.02	1.45	5.91	3.00	3.05	18.25	135.87	0.00	135.87	9.64	6.53	0.10	3.00	1.00	0.75	3.21	9.64	0.92	14.78	2.00
789	7.89	1.34	85.40	126.10	6.37	1.37	6.25	3.00	3.09	18.22	136.05	0.00	136.05	9.04	6.94	0.10	3.00	1.00	0.74	3.25	9.04	0.93	14.34	2.00
790	7.90	1.26	86.42	126.50	6.86	1.29	6.72	3.00	3.13	18.21	136.24	0.00	136.24	8.44	7.51	0.11	3.00	1.00	0.74	3.30	8.44	0.93	13.82	2.00
791	7.91	1.34	88.82	132.93	6.63	1.37	6.49	3.00	3.10	18.27	136.42	0.00	136.42	9.03	7.21	0.11	3.00	1.00	0.74	3.26	9.03	0.97	14.08	2.00
792	7.92	1.47	86.93	134.14	5.91	1.50	5.80	3.00	3.04	18.28	136.60	0.00	136.60	9.97	6.38	0.10	3.00	1.00	0.74	3.20	9.97	0.98	14.94	2.00
793	7.93	1.52	80.59	136.51	5.30	1.55	5.20	3.00	3.00	18.20	136.78	0.00	136.78	10.32	5.71	0.10	3.00	1.00	0.74	3.15	10.32	1.00	15.76	2.00
794	7.94	1.58	74.38	138.47	4.71	1.61	4.62	3.00	2.95	18.13	136.96	0.00	136.96	10.75	5.05	0.09	3.00	1.00	0.74	3.11	10.75	1.01	16.69	2.00
795	7.95	1.67	72.77	137.62	4.36	1.70	4.28	3.00	2.91	18.12	137.15	0.00	137.15	11.39	4.66	0.09	3.00	1.00	0.74	3.06	11.39	1.00	17.38	2.00
796	7.96	1.73	70.82	136.93	4.09	1.76	4.03	3.00	2.88	18.10	137.33	0.00	137.33	11.81	4.37	0.08	3.00	1.00	0.74	3.03	11.81	1.00	17.94	2.00
797	7.97	1.77	70.78	136.17	4.00	1.80	3.94	3.00	2.87	18.11	137.51	0.00	137.51	12.08	4.26	0.08	3.00	1.00	0.74	3.02	12.08	0.99	18.18	2.00
798	7.98	1.91	69.93	140.25	3.66	1.94	3.61	3.00	2.82	18.13	137.69	0.00	137.69	13.09	3.88	0.08	3.00	1.00	0.74	2.97	13.09	1.02	19.11	3.00
799	7.99	2.06	69.33	147.01	3.37	2.09	3.32	4.00	2.77	18.15	137.87	0.00	137.87	14.17	3.55	0.08	3.00	1.00	0.73	2.92	14.17	1.07	20.09	3.00
800	8.00	2.17	69.90	151.64	3.22	2.20	3.17	4.00	2.74	18.18	138.05	0.00	138.05	14.95	3.39	0.07	3.00	1.00	0.73	2.89	14.95	1.10	20.68	3.00
801	8.01	2.31	71.48	156.29	3.09	2.34	3.05	4.00	2.71	18.23	138.23	0.00	138.23	15.95	3.24	0.07	3.00	1.00	0.73	2.85	15.95	1.13	21.32	3.00
802	8.02	2.24	75.70	88.52	3.38	2.26	3.35	4.00	2.75	18.28	138.42	0.00	138.42	15.32	3.57	0.04	3.00	1.00	0.73	2.89	15.32	0.64	20.30	3.00
803	8.03	2.15	77.15	64.98	3.59	2.16	3.57	4.00	2.78	18.28	138.60	0.00	138.60	14.61	3.81	0.03	3.00	1.00	0.73	2.93	14.61	0.47	19.58	3.00
804	8.04	2.01	79.17	65.54	3.94	2.02	3.91	3.00	2.83	18.29	138.78	0.00	138.78	13.58	4.20	0.03	3.00	1.00	0.73	2.98	13.58	0.47	18.56	3.00
805	8.05	1.85	78.92	66.42	4.27	1.86	4.23	3.00	2.88	18.25	138.97	0.00	138.97	12.41	4.58	0.04	3.00	1.00	0.73	3.03	12.41	0.48	17.68	3.00
806	8.06	1.90	80.56	72.51	4.24	1.92	4.21	3.00	2.87	18.29	139.15	0.00	139.15	12.76	4.54	0.04	3.00	1.00	0.73	3.02	12.76	0.52	17.80	3.00
807	8.07	1.96	81.69	77.82	4.17	1.98	4.13	3.00	2.85	18.31	139.33	0.00	139.33	13.18	4.45	0.04	3.00	1.00	0.73	3.00	13.18	0.56	18.02	3.00
808	8.08	2.06	85.63	82.93	4.16	2.08	4.12	3.00	2.83	18.39	139.52	0.00	139.52	13.89	4.42	0.04	3.00	1.00	0.73	2.98	13.89	0.59	18.18	3.00
809	8.09	2.09	88.45	90.14	4.23	2.11	4.19	3.00	2.83	18.43	139.70	0.00	139.70	14.10	4.49	0.05	3.00	1.00	0.73	2.98	14.10	0.65	18.07	3.00
810	8.10	2.28	96.18	100.25	4.22	2.30	4.18	3.00	2.80	18.56	139.89	0.00	139.89	15.45	4.45	0.05	3.00	1.00	0.72	2.95	15.45	0.72	18.34	3.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
811	8.11	2.50	106.92	113.85	4.28	2.52	4.24	3.00	2.78	18.72	140.07	0.00	140.07	17.02	4.49	0.05	3.00	1.00	0.72	2.92	17.02	0.81	18.46	3.00
812	8.12	2.58	112.25	128.42	4.35	2.61	4.31	3.00	2.77	18.79	140.26	0.00	140.26	17.59	4.55	0.05	3.00	1.00	0.72	2.91	17.59	0.92	18.39	3.00
813	8.13	2.66	119.23	147.30	4.48	2.69	4.43	3.00	2.77	18.87	140.45	0.00	140.45	18.16	4.67	0.06	3.00	1.00	0.72	2.91	18.16	1.05	18.18	3.00
814	8.14	3.34	125.09	149.69	3.75	3.37	3.71	4.00	2.65	19.01	140.64	0.00	140.64	22.97	3.87	0.05	4.00	0.98	0.73	2.78	23.15	1.06	20.77	3.00
815	8.15	4.15	118.96	151.96	2.87	4.18	2.84	4.00	2.50	19.03	140.83	0.00	140.83	28.69	2.94	0.04	4.00	0.92	0.74	2.62	29.49	1.08	25.18	5.00
816	8.16	3.84	113.91	46.29	2.97	3.85	2.96	4.00	2.54	18.95	141.02	0.00	141.02	26.30	3.07	0.01	4.00	0.93	0.73	2.66	26.88	0.33	24.17	5.00
817	8.17	3.53	102.34	19.53	2.90	3.53	2.90	4.00	2.56	18.80	141.21	0.00	141.21	24.03	3.02	0.01	4.00	0.94	0.73	2.69	24.48	0.14	23.97	5.00
818	8.18	3.10	100.12	12.25	3.23	3.10	3.23	4.00	2.63	18.72	141.39	0.00	141.39	20.94	3.38	0.00	4.00	0.97	0.72	2.77	21.12	0.09	22.01	3.00
819	8.19	2.68	98.58	4.90	3.68	2.68	3.68	4.00	2.72	18.65	141.58	0.00	141.58	17.94	3.88	0.00	3.00	1.00	0.72	2.86	17.94	0.03	20.01	3.00
820	8.20	2.38	97.36	5.13	4.09	2.38	4.09	3.00	2.79	18.59	141.77	0.00	141.77	15.80	4.35	0.00	3.00	1.00	0.71	2.93	15.80	0.04	18.60	3.00
821	8.21	2.13	96.47	5.65	4.53	2.13	4.53	3.00	2.85	18.53	141.95	0.00	141.95	14.01	4.85	0.00	3.00	1.00	0.71	3.01	14.01	0.04	17.41	3.00
822	8.22	2.03	95.50	6.02	4.70	2.03	4.70	3.00	2.88	18.50	142.14	0.00	142.14	13.29	5.06	0.00	3.00	1.00	0.71	3.03	13.29	0.04	16.98	3.00
823	8.23	1.94	95.32	6.61	4.91	1.94	4.91	3.00	2.90	18.48	142.32	0.00	142.32	12.64	5.30	0.00	3.00	1.00	0.71	3.06	12.64	0.05	16.53	3.00
824	8.24	1.92	95.12	7.52	4.95	1.92	4.95	3.00	2.91	18.48	142.51	0.00	142.51	12.48	5.35	0.00	3.00	1.00	0.71	3.07	12.48	0.05	16.44	3.00
825	8.25	1.89	93.54	9.78	4.95	1.89	4.94	3.00	2.92	18.45	142.69	0.00	142.69	12.26	5.35	0.01	3.00	1.00	0.71	3.08	12.26	0.07	16.42	3.00
826	8.26	2.09	91.19	11.95	4.36	2.09	4.36	3.00	2.85	18.46	142.88	0.00	142.88	13.65	4.68	0.01	3.00	1.00	0.71	3.00	13.65	0.08	17.67	3.00
827	8.27	2.29	90.25	14.57	3.94	2.29	3.94	3.00	2.79	18.49	143.06	0.00	143.06	15.03	4.20	0.01	3.00	1.00	0.71	2.94	15.03	0.10	18.81	3.00
828	8.28	2.84	88.73	19.47	3.12	2.84	3.12	4.00	2.65	18.55	143.25	0.00	143.25	18.85	3.29	0.01	4.00	0.99	0.71	2.80	18.94	0.14	21.89	3.00
829	8.29	3.34	83.51	24.34	2.50	3.35	2.50	4.00	2.53	18.54	143.43	0.00	143.43	22.32	2.61	0.01	4.00	0.94	0.72	2.67	22.80	0.17	25.33	5.00
830	8.30	3.21	77.77	23.52	2.42	3.21	2.42	4.00	2.54	18.44	143.62	0.00	143.62	21.39	2.53	0.01	4.00	0.94	0.72	2.68	21.83	0.16	25.41	5.00
831	8.31	3.12	80.68	22.14	2.59	3.12	2.58	4.00	2.57	18.48	143.80	0.00	143.80	20.73	2.71	0.01	4.00	0.95	0.72	2.71	21.07	0.15	24.46	5.00
832	8.32	2.78	84.42	19.53	3.04	2.78	3.03	4.00	2.65	18.48	143.99	0.00	143.99	18.34	3.20	0.01	4.00	0.99	0.71	2.80	18.42	0.14	22.05	5.00
833	8.33	2.56	87.19	17.17	3.41	2.56	3.40	4.00	2.71	18.49	144.17	0.00	144.17	16.78	3.60	0.01	3.00	1.00	0.70	2.86	16.78	0.12	20.53	3.00
834	8.34	2.36	90.47	17.26	3.83	2.36	3.83	4.00	2.77	18.50	144.36	0.00	144.36	15.37	4.08	0.01	3.00	1.00	0.70	2.93	15.37	0.12	19.13	3.00
835	8.35	2.24	90.30	17.35	4.03	2.24	4.02	3.00	2.80	18.48	144.54	0.00	144.54	14.52	4.30	0.01	3.00	1.00	0.70	2.96	14.52	0.12	18.51	3.00
836	8.36	2.06	90.14	16.28	4.38	2.06	4.37	3.00	2.85	18.44	144.72	0.00	144.72	13.26	4.70	0.01	3.00	1.00	0.70	3.02	13.26	0.11	17.58	3.00
837	8.37	1.91	57.53	15.53	3.01	1.91	3.01	4.00	2.77	17.90	144.90	0.00	144.90	12.20	3.25	0.01	3.00	1.00	0.70	2.95	12.20	0.11	20.24	2.00
838	8.38	1.79	85.17	16.25	4.76	1.79	4.75	3.00	2.92	18.32	145.09	0.00	145.09	11.36	5.17	0.01	3.00	1.00	0.70	3.09	11.36	0.11	16.60	2.00
839	8.39	1.54	81.93	16.77	5.32	1.54	5.31	3.00	3.00	18.22	145.27	0.00	145.27	9.63	5.86	0.01	3.00	1.00	0.70	3.18	9.63	0.12	15.53	2.00
840	8.40	1.43	77.88	16.92	5.45	1.43	5.43	3.00	3.03	18.14	145.45	0.00	145.45	8.86	6.05	0.01	3.00	1.00	0.70	3.22	8.86	0.12	15.26	2.00
841	8.41	1.32	77.55	17.15	5.88	1.32	5.86	3.00	3.08	18.10	145.63	0.00	145.63	8.09	6.58	0.01	3.00	1.00	0.70	3.27	8.09	0.12	14.68	2.00
842	8.42	1.32	77.14	18.23	5.84	1.32	5.83	3.00	3.08	18.09	145.81	0.00	145.81	8.08	6.55	0.02	3.00	1.00	0.69	3.27	8.08	0.13	14.71	2.00
843	8.43	1.34	73.06	19.40	5.45	1.34	5.44	3.00	3.05	18.04	145.99	0.00	145.99	8.21	6.10	0.02	3.00	1.00	0.69	3.25	8.21	0.13	15.17	2.00
844	8.44	1.51	67.42	20.57	4.46	1.51	4.45	3.00	2.96	17.99	146.17	0.00	146.17	9.36	4.93	0.02	3.00	1.00	0.69	3.15	9.36	0.14	16.67	2.00
845	8.45	1.67	64.56	21.37	3.87	1.67	3.86	3.00	2.89	17.98	146.35	0.00	146.35	10.44	4.22	0.01	3.00	1.00	0.69	3.07	10.44	0.15	17.91	2.00
846	8.46	1.93	62.44	23.24	3.24	1.93	3.23	4.00	2.79	18.00	146.53	0.00	146.53	12.20	3.49	0.01	3.00	1.00	0.69	2.96	12.20	0.16	19.72	2.00
847	8.47	2.14	69.78	24.26	3.26	2.15	3.25	4.00	2.76	18.16	146.71	0.00	146.71	13.62	3.49	0.01	3.00	1.00	0.69	2.93	13.62	0.17	20.09	2.00
848	8.48	2.18	77.19	24.52	3.54	2.19	3.53	4.00	2.77	18.29	146.90	0.00	146.90	13.88	3.79	0.01	3.00	1.00	0.69	2.94	13.88	0.17	19.48	3.00
849	8.49	2.21	85.63	24.73	3.87	2.22	3.87	3.00	2.79	18.41	147.08	0.00	147.08	14.06	4.14	0.01	3.00	1.00	0.69	2.96	14.06	0.17	18.77	3.00
850	8.50	2.42	92.56	28.91	3.82	2.43	3.82	4.00	2.76	18.54	147.27	0.00	147.27	15.47	4.06	0.01	3.00	1.00	0.69	2.92	15.47	0.20	19.17	3.00
851	8.51	2.63	93.94	33.83	3.57	2.64	3.56	4.00	2.71	18.59	147.45	0.00	147.45	16.88	3.77	0.01	3.00	1.00	0.69	2.87	16.88	0.23	20.11	3.00
852	8.52	2.99	95.57	37.19	3.20	3.00	3.19	4.00	2.64	18.65	147.64	0.00	147.64	19.31	3.35	0.01	4.00	0.99	0.69	2.79	19.40	0.25	21.77	3.00
853	8.53	3.34	97.62	42.27	2.92	3.35	2.92	4.00	2.58	18.72	147.83	0.00	147.83	21.65	3.05	0.01	4.00	0.96	0.70	2.73	21.97	0.29	23.34	5.00
854	8.54	3.60	99.67	43.81	2.77	3.61	2.76	4.00	2.54	18.77	148.01	0.00	148.01	23.38	2.88	0.01	4.00	0.95	0.70	2.68	23.87	0.30	24.41	5.00
855	8.55	3.78	92.44	45.40	2.45	3.79	2.44	4.00	2.49	18.71	148.20	0.00	148.20	24.57	2.54	0.01	4.00	0.93	0.70	2.63	25.28	0.31	26.29	5.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
856	8.56	4.29	85.98	55.25	2.00	4.30	2.00	5.00	2.39	18.67	148.39	0.00	148.39	27.99	2.07	0.01	4.00	0.89	0.71	2.52	29.24	0.37	30.06	5.00
857	8.57	4.73	86.36	64.02	1.83	4.74	1.82	5.00	2.33	18.71	148.57	0.00	148.57	30.93	1.88	0.01	5.00	0.86	0.72	2.46	32.61	0.43	32.45	7.00
858	8.58	4.92	86.76	67.26	1.76	4.93	1.76	5.00	2.31	18.73	148.76	0.00	148.76	32.17	1.81	0.01	5.00	0.85	0.72	2.44	34.04	0.45	33.44	7.00
859	8.59	5.06	88.87	69.32	1.76	5.07	1.75	5.00	2.30	18.77	148.95	0.00	148.95	33.07	1.80	0.01	5.00	0.85	0.72	2.43	35.06	0.47	33.81	7.00
860	8.60	5.19	90.83	71.23	1.75	5.20	1.75	5.00	2.29	18.81	149.14	0.00	149.14	33.90	1.80	0.01	5.00	0.84	0.72	2.42	36.00	0.48	34.16	7.00
861	8.61	5.34	95.67	73.98	1.79	5.36	1.79	5.00	2.28	18.88	149.33	0.00	149.33	34.86	1.84	0.01	5.00	0.84	0.72	2.41	37.05	0.50	34.07	7.00
862	8.62	5.39	100.95	74.67	1.87	5.41	1.87	5.00	2.29	18.94	149.52	0.00	149.52	35.15	1.92	0.01	5.00	0.85	0.72	2.42	37.32	0.50	33.40	7.00
863	8.63	5.43	100.17	75.62	1.84	5.45	1.84	5.00	2.29	18.94	149.71	0.00	149.71	35.38	1.89	0.01	5.00	0.84	0.72	2.41	37.59	0.51	33.73	7.00
864	8.64	5.44	99.13	77.53	1.82	5.46	1.82	5.00	2.28	18.93	149.89	0.00	149.89	35.40	1.87	0.01	5.00	0.84	0.72	2.41	37.65	0.52	33.95	7.00
865	8.65	5.47	92.33	79.92	1.69	5.49	1.68	5.00	2.26	18.85	150.08	0.00	150.08	35.56	1.73	0.01	5.00	0.83	0.72	2.39	37.95	0.53	35.35	7.00
866	8.66	5.51	85.63	79.77	1.55	5.53	1.55	5.00	2.23	18.76	150.27	0.00	150.27	35.78	1.59	0.01	5.00	0.82	0.72	2.36	38.34	0.53	36.88	7.00
867	8.67	5.53	88.72	79.64	1.60	5.55	1.60	5.00	2.24	18.80	150.46	0.00	150.46	35.87	1.64	0.01	5.00	0.83	0.72	2.37	38.39	0.53	36.35	7.00
868	8.68	5.55	92.95	80.06	1.67	5.57	1.67	5.00	2.25	18.86	150.65	0.00	150.65	35.95	1.72	0.01	5.00	0.83	0.72	2.38	38.43	0.53	35.62	7.00
869	8.69	5.55	89.30	80.51	1.61	5.57	1.60	5.00	2.24	18.81	150.84	0.00	150.84	35.91	1.65	0.01	5.00	0.83	0.72	2.37	38.45	0.53	36.32	7.00
870	8.70	5.51	86.58	80.47	1.57	5.53	1.57	5.00	2.24	18.78	151.02	0.00	151.02	35.60	1.61	0.01	5.00	0.83	0.72	2.37	38.14	0.53	36.63	7.00
871	8.71	5.47	81.52	80.41	1.49	5.49	1.49	5.00	2.23	18.70	151.21	0.00	151.21	35.29	1.53	0.02	5.00	0.82	0.72	2.36	37.88	0.53	37.44	7.00
872	8.72	5.32	77.91	79.86	1.46	5.34	1.46	5.00	2.23	18.64	151.40	0.00	151.40	34.25	1.50	0.02	5.00	0.83	0.72	2.36	36.74	0.53	37.33	7.00
873	8.73	5.19	75.61	79.21	1.46	5.21	1.45	5.00	2.24	18.60	151.58	0.00	151.58	33.35	1.50	0.02	5.00	0.83	0.72	2.37	35.73	0.52	37.05	7.00
874	8.74	4.85	73.34	75.62	1.51	4.87	1.51	5.00	2.27	18.54	151.77	0.00	151.77	31.06	1.56	0.02	5.00	0.84	0.71	2.41	33.10	0.50	35.47	7.00
875	8.75	4.60	75.68	72.93	1.65	4.62	1.64	5.00	2.31	18.55	151.95	0.00	151.95	29.37	1.70	0.02	5.00	0.86	0.71	2.45	31.10	0.48	33.49	7.00
876	8.76	4.22	78.73	67.26	1.87	4.23	1.86	5.00	2.37	18.56	152.14	0.00	152.14	26.83	1.93	0.02	4.00	0.89	0.70	2.52	28.11	0.44	30.68	5.00
877	8.77	3.80	79.67	63.93	2.10	3.81	2.09	5.00	2.44	18.54	152.32	0.00	152.32	24.03	2.18	0.02	4.00	0.91	0.69	2.59	24.90	0.42	28.10	5.00
878	8.78	3.35	80.62	56.61	2.41	3.36	2.40	4.00	2.52	18.50	152.51	0.00	152.51	21.04	2.51	0.02	4.00	0.95	0.68	2.68	21.50	0.37	25.40	5.00
879	8.79	2.88	80.51	53.19	2.80	2.89	2.78	4.00	2.61	18.44	152.69	0.00	152.69	17.93	2.94	0.02	4.00	0.99	0.67	2.78	18.04	0.35	22.79	5.00
880	8.80	2.56	80.34	50.91	3.14	2.57	3.13	4.00	2.68	18.40	152.88	0.00	152.88	15.82	3.32	0.02	3.00	1.00	0.66	2.86	15.82	0.33	21.06	3.00
881	8.81	2.18	86.62	47.94	3.97	2.19	3.96	3.00	2.80	18.42	153.06	0.00	153.06	13.31	4.25	0.02	3.00	1.00	0.66	2.99	13.31	0.31	18.41	3.00
882	8.82	1.92	91.10	43.26	4.74	1.93	4.72	3.00	2.90	18.43	153.25	0.00	153.25	11.59	5.13	0.02	3.00	1.00	0.66	3.08	11.59	0.28	16.68	2.00
883	8.83	1.67	93.85	39.01	5.62	1.68	5.59	3.00	2.99	18.41	153.43	0.00	153.43	9.94	6.16	0.03	3.00	1.00	0.66	3.19	9.94	0.25	15.20	2.00
884	8.84	1.51	95.61	39.34	6.33	1.52	6.30	3.00	3.06	18.39	153.61	0.00	153.61	8.88	7.01	0.03	3.00	1.00	0.66	3.26	8.88	0.26	14.28	2.00
885	8.85	1.36	101.38	39.91	7.45	1.37	7.41	3.00	3.14	18.42	153.80	0.00	153.80	7.90	8.35	0.03	3.00	1.00	0.66	3.35	7.90	0.26	13.17	2.00
886	8.86	1.23	108.34	37.73	8.81	1.24	8.75	3.00	3.22	18.46	153.98	0.00	153.98	7.04	10.00	0.03	2.00	1.00	0.66	3.44	7.04	0.25	12.14	2.00
887	8.87	1.16	107.16	36.52	9.24	1.17	9.18	3.00	3.25	18.42	154.17	0.00	154.17	6.57	10.57	0.04	2.00	1.00	0.66	3.47	6.57	0.24	11.88	1.00
888	8.88	1.07	105.78	38.26	9.89	1.08	9.81	3.00	3.30	18.38	154.35	0.00	154.35	5.98	11.45	0.04	2.00	1.00	0.66	3.53	5.98	0.25	11.54	1.00
889	8.89	0.96	98.42	39.24	10.25	0.97	10.16	2.00	3.34	18.25	154.53	0.00	154.53	5.27	12.10	0.05	2.00	1.00	0.66	3.59	5.27	0.25	11.42	1.00
890	8.90	1.16	92.32	42.52	7.96	1.17	7.90	3.00	3.21	18.25	154.72	0.00	154.72	6.56	9.10	0.04	3.00	1.00	0.65	3.43	6.56	0.27	12.77	2.00
891	8.91	1.27	88.13	45.72	6.94	1.28	6.89	3.00	3.14	18.23	154.90	0.00	154.90	7.26	7.84	0.04	3.00	1.00	0.65	3.36	7.26	0.30	13.60	2.00
892	8.92	1.48	84.00	59.51	5.68	1.49	5.63	3.00	3.03	18.24	155.08	0.00	155.08	8.62	6.28	0.04	3.00	1.00	0.65	3.24	8.62	0.38	15.00	2.00
893	8.93	1.69	79.32	64.58	4.69	1.70	4.66	3.00	2.93	18.22	155.26	0.00	155.26	9.97	5.12	0.04	3.00	1.00	0.65	3.14	9.97	0.42	16.49	2.00
894	8.94	1.96	75.10	73.18	3.83	1.98	3.80	3.00	2.83	18.22	155.45	0.00	155.45	11.71	4.13	0.04	3.00	1.00	0.65	3.02	11.71	0.47	18.35	2.00
895	8.95	2.18	68.75	83.29	3.15	2.20	3.13	4.00	2.74	18.16	155.63	0.00	155.63	13.12	3.37	0.04	3.00	1.00	0.65	2.93	13.12	0.54	20.25	2.00
896	8.96	2.25	63.69	79.54	2.83	2.27	2.81	4.00	2.70	18.08	155.81	0.00	155.81	13.55	3.02	0.04	3.00	1.00	0.65	2.89	13.55	0.51	21.24	2.00
897	8.97	2.36	60.22	75.43	2.55	2.38	2.53	4.00	2.65	18.03	155.99	0.00	155.99	14.23	2.71	0.03	4.00	1.00	0.65	2.85	14.23	0.48	22.31	4.00
898	8.98	2.74	56.41	69.72	2.06	2.75	2.05	4.00	2.55	18.02	156.17	0.00	156.17	16.64	2.17	0.03	4.00	0.97	0.66	2.73	16.88	0.45	25.20	4.00
899	8.99	3.29	57.63	63.75	1.75	3.30	1.74	5.00	2.44	18.11	156.35	0.00	156.35	20.13	1.83	0.02	4.00	0.92	0.67	2.61	20.81	0.41	28.50	4.00
900	9.00	3.96	58.77	64.42	1.48	3.97	1.48	5.00	2.34	18.20	156.53	0.00	156.53	24.38	1.54	0.02	5.00	0.88	0.68	2.49	25.71	0.41	32.59	6.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
901	9.01	4.56	60.42	65.25	1.33	4.57	1.32	5.00	2.26	18.29	156.71	0.00	156.71	28.19	1.37	0.01	5.00	0.85	0.69	2.41	30.15	0.42	36.09	7.00
902	9.02	4.81	63.15	55.24	1.31	4.82	1.31	5.00	2.24	18.36	156.90	0.00	156.90	29.73	1.35	0.01	5.00	0.84	0.69	2.39	31.93	0.35	37.03	7.00
903	9.03	5.14	65.28	40.23	1.27	5.15	1.27	5.00	2.21	18.42	157.08	0.00	157.08	31.78	1.31	0.01	5.00	0.82	0.70	2.35	34.33	0.26	38.58	7.00
904	9.04	4.86	66.31	43.98	1.36	4.87	1.36	5.00	2.24	18.42	157.27	0.00	157.27	29.96	1.41	0.01	5.00	0.84	0.69	2.39	32.15	0.28	36.57	7.00
905	9.05	4.46	67.57	48.45	1.52	4.47	1.51	5.00	2.30	18.41	157.45	0.00	157.45	27.39	1.57	0.01	5.00	0.86	0.68	2.46	29.09	0.31	33.82	7.00
906	9.06	3.97	68.80	49.04	1.73	3.98	1.73	5.00	2.38	18.38	157.63	0.00	157.63	24.25	1.80	0.01	4.00	0.90	0.67	2.54	25.40	0.31	30.59	5.00
907	9.07	3.58	72.62	49.82	2.03	3.59	2.02	5.00	2.45	18.41	157.82	0.00	157.82	21.75	2.12	0.01	4.00	0.93	0.66	2.62	22.46	0.32	27.62	5.00
908	9.08	3.06	76.30	10.12	2.49	3.06	2.49	4.00	2.56	18.40	158.00	0.00	158.00	18.38	2.63	0.00	4.00	0.97	0.65	2.74	18.60	0.06	24.06	5.00
909	9.09	2.57	81.39	-6.13	3.17	2.57	3.17	4.00	2.69	18.41	158.19	0.00	158.19	15.24	3.38	0.00	3.00	1.00	0.64	2.88	15.24	-0.04	20.78	3.00
910	9.10	2.22	85.35	-6.13	3.84	2.22	3.85	3.00	2.79	18.41	158.37	0.00	158.37	13.01	4.14	0.00	3.00	1.00	0.64	2.99	13.01	-0.04	18.57	3.00
911	9.11	1.85	87.29	-6.61	4.72	1.85	4.72	3.00	2.91	18.36	158.55	0.00	158.55	10.66	5.16	0.00	3.00	1.00	0.64	3.11	10.66	-0.04	16.52	2.00
912	9.12	1.79	90.59	-5.75	5.06	1.79	5.06	3.00	2.94	18.39	158.74	0.00	158.74	10.27	5.56	0.00	3.00	1.00	0.64	3.15	10.27	-0.04	15.95	2.00
913	9.13	1.73	93.96	-5.46	5.43	1.73	5.43	3.00	2.97	18.42	158.92	0.00	158.92	9.88	5.98	0.00	3.00	1.00	0.64	3.18	9.88	-0.03	15.40	2.00
914	9.14	1.76	97.40	-4.87	5.53	1.76	5.54	3.00	2.97	18.47	159.11	0.00	159.11	10.06	6.09	0.00	3.00	1.00	0.64	3.18	10.06	-0.03	15.28	2.00
915	9.15	1.82	91.59	-4.12	5.03	1.82	5.03	3.00	2.93	18.41	159.29	0.00	159.29	10.42	5.52	0.00	3.00	1.00	0.64	3.14	10.42	-0.03	16.02	2.00
916	9.16	1.72	88.03	-3.84	5.12	1.72	5.12	3.00	2.96	18.35	159.47	0.00	159.47	9.78	5.64	0.00	3.00	1.00	0.64	3.17	9.78	-0.02	15.80	2.00
917	9.17	1.60	79.26	-3.07	4.95	1.60	4.96	3.00	2.97	18.20	159.66	0.00	159.66	9.02	5.51	0.00	3.00	1.00	0.63	3.19	9.02	-0.02	15.90	2.00
918	9.18	1.51	70.49	-1.19	4.67	1.51	4.67	3.00	2.97	18.04	159.84	0.00	159.84	8.45	5.22	0.00	3.00	1.00	0.63	3.20	8.45	-0.01	16.17	2.00
919	9.19	1.42	65.61	0.29	4.62	1.42	4.62	3.00	2.99	17.93	160.02	0.00	160.02	7.87	5.21	0.00	3.00	1.00	0.63	3.22	7.87	0.00	16.10	2.00
920	9.20	1.46	59.53	4.41	4.08	1.46	4.07	3.00	2.95	17.83	160.19	0.00	160.19	8.12	4.58	0.00	3.00	1.00	0.63	3.18	8.12	0.03	16.91	2.00
921	9.21	1.50	64.23	8.82	4.28	1.50	4.28	3.00	2.95	17.93	160.37	0.00	160.37	8.36	4.79	0.01	3.00	1.00	0.63	3.18	8.36	0.06	16.69	2.00
922	9.22	2.13	68.26	21.15	3.20	2.13	3.20	4.00	2.75	18.14	160.56	0.00	160.56	12.29	3.46	0.01	3.00	1.00	0.63	2.96	12.29	0.13	19.81	2.00
923	9.23	2.74	71.68	55.40	2.62	2.75	2.60	4.00	2.61	18.29	160.74	0.00	160.74	16.12	2.77	0.02	4.00	1.00	0.63	2.81	16.13	0.34	22.79	4.00
924	9.24	3.56	74.79	156.41	2.10	3.59	2.08	5.00	2.46	18.44	160.92	0.00	160.92	21.33	2.18	0.05	4.00	0.93	0.65	2.64	21.98	0.97	27.13	5.00
925	9.25	4.71	78.22	244.29	1.66	4.76	1.64	5.00	2.30	18.60	161.11	0.00	161.11	28.55	1.70	0.05	5.00	0.87	0.67	2.46	30.36	1.52	33.19	7.00
926	9.26	6.63	81.76	197.61	1.23	6.67	1.23	5.00	2.11	18.78	161.30	0.00	161.30	40.36	1.26	0.03	5.00	0.79	0.69	2.25	44.58	1.23	43.32	7.00
927	9.27	8.03	81.29	132.83	1.01	8.06	1.01	6.00	1.99	18.85	161.48	0.00	161.48	48.90	1.03	0.02	5.00	0.74	0.71	2.12	55.24	0.82	51.42	7.00
928	9.28	8.82	80.97	72.26	0.92	8.84	0.92	6.00	1.93	18.88	161.67	0.00	161.67	53.65	0.93	0.01	5.00	0.72	0.72	2.06	61.29	0.45	56.04	7.00
929	9.29	9.68	81.62	5.46	0.84	9.68	0.84	6.00	1.88	18.92	161.86	0.00	161.86	58.81	0.86	0.00	6.00	0.69	0.72	2.00	67.90	0.03	60.76	7.00
930	9.30	10.13	82.29	4.91	0.81	10.13	0.81	6.00	1.85	18.95	162.05	0.00	162.05	61.52	0.83	0.00	6.00	0.68	0.73	1.98	71.39	0.03	63.13	7.00
931	9.31	10.68	82.33	4.31	0.77	10.68	0.77	6.00	1.82	18.97	162.24	0.00	162.24	64.83	0.78	0.00	6.00	0.67	0.73	1.94	75.73	0.03	66.32	7.00
932	9.32	10.88	82.39	5.45	0.76	10.88	0.76	6.00	1.81	18.98	162.43	0.00	162.43	65.99	0.77	0.00	6.00	0.67	0.73	1.93	77.27	0.03	67.44	7.00
933	9.33	11.04	81.64	6.80	0.74	11.04	0.74	6.00	1.80	18.97	162.62	0.00	162.62	66.90	0.75	0.00	6.00	0.66	0.73	1.92	78.52	0.04	68.66	7.00
934	9.34	10.93	80.46	7.56	0.74	10.93	0.74	6.00	1.80	18.95	162.81	0.00	162.81	66.14	0.75	0.00	6.00	0.66	0.73	1.92	77.62	0.05	68.46	7.00
935	9.35	10.81	82.45	8.34	0.76	10.81	0.76	6.00	1.81	18.98	163.00	0.00	163.00	65.33	0.77	0.00	6.00	0.67	0.73	1.94	76.50	0.05	66.93	7.00
936	9.36	10.73	85.35	8.63	0.80	10.73	0.80	6.00	1.83	19.01	163.19	0.00	163.19	64.76	0.81	0.00	6.00	0.67	0.73	1.95	75.67	0.05	65.34	7.00
937	9.37	10.50	88.36	8.82	0.84	10.50	0.84	6.00	1.85	19.04	163.38	0.00	163.38	63.28	0.85	0.00	6.00	0.68	0.72	1.97	73.63	0.05	62.91	7.00
938	9.38	10.25	92.41	9.91	0.90	10.25	0.90	6.00	1.88	19.09	163.57	0.00	163.57	61.68	0.92	0.00	6.00	0.69	0.72	2.00	71.42	0.06	60.13	7.00
939	9.39	10.08	93.59	9.10	0.93	10.08	0.93	6.00	1.89	19.10	163.76	0.00	163.76	60.56	0.94	0.00	6.00	0.70	0.71	2.02	69.97	0.06	58.79	7.00
940	9.40	9.72	95.91	9.01	0.99	9.72	0.99	6.00	1.92	19.11	163.95	0.00	163.95	58.30	1.00	0.00	6.00	0.71	0.71	2.05	66.99	0.05	56.10	7.00
941	9.41	9.52	103.27	9.01	1.08	9.52	1.08	6.00	1.95	19.19	164.15	0.00	164.15	57.01	1.10	0.00	5.00	0.72	0.70	2.08	65.11	0.05	52.95	7.00
942	9.42	9.31	113.75	9.01	1.22	9.31	1.22	6.00	1.99	19.29	164.34	0.00	164.34	55.66	1.24	0.00	5.00	0.74	0.70	2.13	63.09	0.05	49.24	7.00
943	9.43	9.15	120.21	9.01	1.31	9.15	1.31	6.00	2.02	19.35	164.53	0.00	164.53	54.62	1.34	0.00	5.00	0.75	0.69	2.15	61.61	0.05	46.99	7.00
944	9.44	8.87	126.34	9.10	1.42	8.87	1.42	5.00	2.05	19.39	164.73	0.00	164.73	52.86	1.45	0.00	5.00	0.77	0.69	2.19	59.25	0.06	44.40	7.00
945	9.45	8.65	127.45	9.10	1.47	8.65	1.47	5.00	2.07	19.39	164.92	0.00	164.92	51.46	1.50	0.00	5.00	0.77	0.69	2.21	57.49	0.06	43.17	7.00

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	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
946	9.46	8.46	128.48	9.10	1.52	8.46	1.52	5.00	2.09	19.39	165.11	0.00	165.11	50.25	1.55	0.00	5.00	0.78	0.68	2.23	55.96	0.06	42.11	7.00
947	9.47	8.23	129.03	9.30	1.57	8.23	1.57	5.00	2.11	19.39	165.31	0.00	165.31	48.80	1.60	0.00	5.00	0.79	0.68	2.25	54.15	0.06	40.96	7.00
948	9.48	8.01	129.71	9.30	1.62	8.01	1.62	5.00	2.12	19.38	165.50	0.00	165.50	47.41	1.65	0.00	5.00	0.79	0.68	2.27	52.43	0.06	39.85	7.00
949	9.49	7.83	126.55	9.39	1.62	7.83	1.62	5.00	2.13	19.35	165.70	0.00	165.70	46.27	1.65	0.00	5.00	0.80	0.68	2.27	51.10	0.06	39.58	7.00
950	9.50	7.61	123.02	9.39	1.62	7.61	1.62	5.00	2.14	19.30	165.89	0.00	165.89	44.89	1.65	0.00	5.00	0.80	0.67	2.28	49.48	0.06	39.20	7.00
951	9.51	7.35	117.42	9.39	1.60	7.35	1.60	5.00	2.15	19.23	166.08	0.00	166.08	43.27	1.63	0.00	5.00	0.81	0.67	2.29	47.61	0.06	38.98	7.00
952	9.52	7.20	109.81	9.20	1.53	7.20	1.52	5.00	2.14	19.15	166.27	0.00	166.27	42.31	1.56	0.00	5.00	0.80	0.67	2.29	46.62	0.06	39.66	7.00
953	9.53	7.03	105.74	9.20	1.50	7.03	1.50	5.00	2.15	19.10	166.46	0.00	166.46	41.24	1.54	0.00	5.00	0.81	0.67	2.30	45.40	0.06	39.59	7.00
954	9.54	6.76	101.55	8.91	1.50	6.76	1.50	5.00	2.16	19.04	166.65	0.00	166.65	39.57	1.54	0.00	5.00	0.81	0.67	2.31	43.44	0.05	39.04	7.00
955	9.55	6.48	96.98	8.91	1.50	6.48	1.50	5.00	2.17	18.97	166.84	0.00	166.84	37.85	1.54	0.00	5.00	0.82	0.66	2.33	41.43	0.05	38.49	7.00
956	9.56	6.24	93.20	8.75	1.49	6.24	1.49	5.00	2.18	18.91	167.03	0.00	167.03	36.37	1.53	0.00	5.00	0.82	0.66	2.34	39.71	0.05	37.97	7.00
957	9.57	5.85	91.58	8.43	1.57	5.85	1.56	5.00	2.22	18.86	167.22	0.00	167.22	33.99	1.61	0.00	5.00	0.84	0.66	2.38	36.85	0.05	36.21	7.00
958	9.58	5.50	88.95	7.96	1.62	5.50	1.62	5.00	2.25	18.80	167.41	0.00	167.41	31.86	1.67	0.00	5.00	0.85	0.65	2.41	34.31	0.05	34.83	7.00
959	9.59	5.11	87.52	7.57	1.71	5.11	1.71	5.00	2.29	18.76	167.60	0.00	167.60	29.50	1.77	0.00	5.00	0.87	0.65	2.46	31.50	0.05	33.00	7.00
960	9.60	5.59	85.19	6.83	1.52	5.59	1.52	5.00	2.23	18.76	167.78	0.00	167.78	32.33	1.57	0.00	5.00	0.84	0.65	2.39	34.96	0.04	35.99	7.00
961	9.61	4.11	84.93	5.85	2.07	4.11	2.07	5.00	2.41	18.64	167.97	0.00	167.97	23.48	2.15	0.00	4.00	0.92	0.63	2.60	24.41	0.03	28.07	5.00
962	9.62	3.83	84.47	5.20	2.21	3.83	2.20	5.00	2.45	18.61	168.16	0.00	168.16	21.78	2.31	0.00	4.00	0.94	0.62	2.64	22.44	0.03	26.65	5.00
963	9.63	3.45	85.83	4.41	2.49	3.45	2.49	4.00	2.52	18.58	168.34	0.00	168.34	19.50	2.61	0.00	4.00	0.97	0.61	2.72	19.80	0.03	24.47	5.00
964	9.64	3.02	87.24	3.13	2.89	3.02	2.89	4.00	2.61	18.55	168.53	0.00	168.53	16.92	3.06	0.00	4.00	1.00	0.60	2.82	16.92	0.02	22.11	5.00
965	9.65	2.60	89.51	2.88	3.44	2.60	3.44	4.00	2.71	18.52	168.71	0.00	168.71	14.41	3.68	0.00	3.00	1.00	0.60	2.92	14.41	0.02	19.84	3.00
966	9.66	2.31	91.06	2.15	3.94	2.31	3.94	3.00	2.79	18.50	168.90	0.00	168.90	12.68	4.25	0.00	3.00	1.00	0.60	3.00	12.68	0.01	18.30	3.00
967	9.67	2.06	91.29	1.53	4.43	2.06	4.43	3.00	2.86	18.46	169.08	0.00	169.08	11.19	4.83	0.00	3.00	1.00	0.60	3.08	11.19	0.01	17.09	2.00
968	9.68	1.90	91.50	2.01	4.82	1.90	4.81	3.00	2.91	18.43	169.27	0.00	169.27	10.23	5.29	0.00	3.00	1.00	0.60	3.14	10.23	0.01	16.30	2.00
969	9.69	1.69	91.73	2.68	5.43	1.69	5.43	3.00	2.98	18.39	169.45	0.00	169.45	8.98	6.03	0.00	3.00	1.00	0.60	3.21	8.98	0.02	15.29	2.00
970	9.70	1.48	92.00	3.24	6.22	1.48	6.21	3.00	3.06	18.34	169.63	0.00	169.63	7.73	7.02	0.00	3.00	1.00	0.60	3.31	7.73	0.02	14.27	2.00
971	9.71	1.34	90.64	4.03	6.76	1.34	6.76	3.00	3.12	18.28	169.82	0.00	169.82	6.90	7.74	0.00	3.00	1.00	0.60	3.37	6.90	0.02	13.69	2.00
972	9.72	1.21	88.95	5.92	7.35	1.21	7.34	3.00	3.17	18.22	170.00	0.00	170.00	6.12	8.54	0.01	3.00	1.00	0.60	3.44	6.12	0.03	13.18	2.00
973	9.73	1.02	86.52	7.38	8.48	1.02	8.47	3.00	3.27	18.13	170.18	0.00	170.18	5.00	10.16	0.01	2.00	1.00	0.60	3.55	5.00	0.04	12.42	1.00
974	9.74	0.94	84.18	7.86	8.96	0.94	8.94	3.00	3.31	18.06	170.36	0.00	170.36	4.53	10.91	0.01	2.00	1.00	0.59	3.61	4.53	0.05	12.17	1.00
975	9.75	0.83	81.16	8.24	9.78	0.83	9.76	3.00	3.38	17.97	170.54	0.00	170.54	3.88	12.27	0.01	2.00	1.00	0.59	3.69	3.88	0.05	11.80	1.00
976	9.76	1.00	77.75	11.13	7.78	1.00	7.76	3.00	3.25	18.00	170.72	0.00	170.72	4.87	9.35	0.01	2.00	1.00	0.59	3.54	4.87	0.07	12.87	2.00
977	9.77	1.16	75.74	14.18	6.53	1.16	6.51	3.00	3.15	18.02	170.90	0.00	170.90	5.80	7.63	0.01	3.00	1.00	0.59	3.43	5.80	0.08	13.83	2.00
978	9.78	1.39	73.53	25.39	5.29	1.40	5.27	3.00	3.03	18.06	171.08	0.00	171.08	7.16	6.01	0.02	3.00	1.00	0.59	3.29	7.16	0.15	15.19	2.00
979	9.79	1.88	70.26	34.69	3.74	1.89	3.72	3.00	2.84	18.12	171.26	0.00	171.26	10.02	4.09	0.02	3.00	1.00	0.59	3.07	10.02	0.20	18.03	2.00
980	9.80	2.16	66.81	36.57	3.09	2.17	3.08	4.00	2.74	18.12	171.44	0.00	171.44	11.64	3.35	0.02	3.00	1.00	0.59	2.97	11.64	0.21	19.86	2.00
981	9.81	2.36	63.32	38.34	2.68	2.37	2.67	4.00	2.67	18.09	171.63	0.00	171.63	12.80	2.88	0.02	3.00	1.00	0.59	2.90	12.80	0.22	21.33	2.00
982	9.82	2.57	59.84	22.69	2.33	2.57	2.32	4.00	2.60	18.06	171.81	0.00	171.81	13.99	2.49	0.01	4.00	1.00	0.59	2.83	13.99	0.13	22.88	4.00
983	9.83	2.76	56.72	10.16	2.06	2.76	2.05	4.00	2.55	18.02	171.99	0.00	171.99	15.06	2.19	0.00	4.00	0.99	0.59	2.77	15.13	0.06	24.37	4.00
984	9.84	2.99	54.01	7.58	1.81	2.99	1.81	5.00	2.49	18.00	172.17	0.00	172.17	16.38	1.92	0.00	4.00	0.97	0.60	2.70	16.68	0.04	26.17	4.00
985	9.85	3.19	52.16	4.98	1.64	3.19	1.63	5.00	2.44	17.98	172.35	0.00	172.35	17.52	1.73	0.00	4.00	0.95	0.61	2.65	18.03	0.03	27.71	4.00
986	9.86	3.43	50.23	-5.09	1.46	3.43	1.46	5.00	2.38	17.97	172.53	0.00	172.53	18.87	1.54	0.00	4.00	0.92	0.61	2.59	19.66	-0.03	29.57	4.00
987	9.87	3.73	50.61	-12.26	1.36	3.73	1.36	5.00	2.34	18.01	172.71	0.00	172.71	20.58	1.42	0.00	4.00	0.90	0.62	2.54	21.68	-0.07	31.41	4.00
988	9.88	3.98	50.95	11.82	1.28	3.98	1.28	5.00	2.30	18.04	172.89	0.00	172.89	22.04	1.34	0.00	5.00	0.89	0.62	2.49	23.41	0.07	32.98	6.00
989	9.89	4.24	53.27	-11.30	1.26	4.24	1.26	5.00	2.27	18.11	173.07	0.00	173.07	23.49	1.31	0.00	5.00	0.88	0.63	2.46	25.11	-0.07	34.12	6.00
990	9.90	4.39	56.12	-14.67	1.28	4.39	1.28	5.00	2.26	18.19	173.25	0.00	173.25	24.32	1.33	0.00	5.00	0.87	0.63	2.45	26.06	-0.08	34.44	6.00

	In situ data					Basic output data																
No	Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn	U2	I(B)	Mod. SBTn
991	9.91	4.56	58.61	-17.15	1.29	4.56	1.29	5.00	2.25	18.25	173.43	0.00	173.43	25.27	1.34	0.00	5.00	0.87	0.63	2.44	27.16	-0.10	34.95	6.00
992	9.92	4.62	60.59	-19.28	1.31	4.62	1.31	5.00	2.25	18.30	173.61	0.00	173.61	25.59	1.36	0.00	5.00	0.87	0.63	2.44	27.50	-0.11	34.88	6.00
993	9.93	4.73	63.44	-20.50	1.34	4.73	1.34	5.00	2.25	18.36	173.80	0.00	173.80	26.19	1.39	0.00	5.00	0.87	0.63	2.44	28.17	-0.12	34.93	6.00
994	9.94	4.72	67.92	-20.03	1.44	4.72	1.44	5.00	2.27	18.43	173.98	0.00	173.98	26.11	1.50	0.00	5.00	0.87	0.62	2.46	27.96	-0.12	33.95	7.00
995	9.95	4.72	72.53	-19.55	1.54	4.72	1.54	5.00	2.29	18.51	174.17	0.00	174.17	26.08	1.60	0.00	5.00	0.88	0.62	2.48	27.83	-0.11	33.06	7.00
996	9.96	4.55	76.74	0.77	1.69	4.55	1.69	5.00	2.32	18.56	174.35	0.00	174.35	25.10	1.75	0.00	4.00	0.89	0.62	2.52	26.57	0.00	31.36	5.00
997	9.97	4.49	81.59	-0.77	1.82	4.49	1.82	5.00	2.35	18.63	174.54	0.00	174.54	24.72	1.89	0.00	4.00	0.91	0.61	2.54	26.03	0.00	30.22	5.00
998	9.98	4.46	86.30	-1.15	1.93	4.46	1.94	5.00	2.37	18.69	174.73	0.00	174.73	24.52	2.01	0.00	4.00	0.91	0.61	2.56	25.72	-0.01	29.33	5.00
999	9.99	4.47	91.07	-1.15	2.04	4.47	2.04	5.00	2.38	18.75	174.91	0.00	174.91	24.55	2.12	0.00	4.00	0.92	0.61	2.58	25.67	-0.01	28.67	5.00
1000	10.00	4.47	95.03	-1.34	2.13	4.47	2.13	5.00	2.39	18.80	175.10	0.00	175.10	24.53	2.21	0.00	4.00	0.92	0.60	2.59	25.58	-0.01	28.10	5.00

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
1	0.01	0.11	0.01	0.00	0.00E+000	0.00E+000	1.00	0.24	0.00	0.00	0.00	4.40	0.00	0.00	0.00	0.30	0.00	56.07	0.00	0.00	0.00	0.00	0.00	13.68	29.74	0.07	13.73	N/A	N/A	N/A	N/A
2	0.02	1.35	0.03	0.00	0.00E+000	0.00E+000	5.00	18.91	0.00	0.00	0.00	21.09	0.00	0.00	0.00	0.30	0.00	122.73	0.00	0.00	0.00	0.00	0.00	2.97	79.17	0.54	13.73	N/A	N/A	N/A	N/A
3	0.03	1.66	0.03	0.00	0.00E+000	0.00E+000	6.00	23.25	0.00	0.00	0.00	25.32	0.00	0.00	0.00	0.30	0.00	134.49	0.00	0.00	0.00	0.00	0.00	2.84	93.23	0.58	13.73	N/A	N/A	N/A	N/A
4	0.04	1.65	0.03	0.00	0.00E+000	0.00E+000	6.00	23.09	0.00	0.00	0.00	25.17	0.00	0.00	0.00	0.30	0.00	134.08	0.00	0.00	0.00	0.00	0.00	2.85	92.71	0.58	13.73	N/A	N/A	N/A	N/A
5	0.05	1.92	2.31	6.00	1.35E-005	2.68E-002	5.00	19.53	33.00	30.00	15.58	14.84	0.00	0.00	0.00	0.30	0.00	101.25	0.01	0.00	0.00	0.00	0.40	1.25	47.40	0.04	14.20	N/A	N/A	N/A	N/A
6	0.06	1.77	4.52	6.00	6.18E-006	1.30E-002	5.00	20.72	32.00	30.00	16.53	16.57	0.00	0.00	0.00	0.30	0.00	104.30	0.01	0.00	0.00	0.00	0.49	1.34	46.66	0.04	14.94	N/A	N/A	N/A	N/A
7	0.07	1.93	6.18	6.00	6.29E-006	1.44E-002	5.00	22.52	33.00	30.14	17.97	18.48	0.00	0.00	0.00	0.30	0.00	108.73	0.00	0.00	0.00	0.00	0.58	1.33	50.79	0.06	15.33	N/A	N/A	N/A	N/A
8	0.08	2.11	9.24	6.00	5.57E-006	1.43E-002	6.00	25.17	34.00	30.84	20.08	21.33	0.00	0.00	0.00	0.30	0.00	114.96	-0.02	0.00	0.00	0.00	0.69	1.35	56.26	0.08	15.83	N/A	N/A	N/A	N/A
9	0.09	2.17	11.28	6.00	4.78E-006	1.30E-002	6.00	26.61	35.00	31.16	21.23	22.89	0.00	0.00	0.00	0.30	0.00	118.19	-0.02	0.00	0.00	0.00	0.79	1.38	58.90	0.10	16.07	N/A	N/A	N/A	N/A
10	0.10	2.36	12.61	6.00	5.77E-006	1.65E-002	7.00	27.97	36.00	31.59	22.32	24.30	0.00	0.00	0.00	0.30	0.00	121.17	-0.03	0.00	0.00	0.00	0.91	1.35	62.67	0.14	16.23	N/A	N/A	N/A	N/A
11	0.11	2.01	13.47	5.00	2.70E-006	7.53E-003	6.00	27.32	34.00	31.23	21.80	23.75	0.00	0.00	0.00	0.30	0.00	119.75	-0.03	0.00	0.00	0.00	0.99	1.50	59.49	0.11	16.25	N/A	N/A	N/A	N/A
12	0.12	2.08	14.69	5.00	2.74E-006	7.87E-003	6.00	28.21	34.00	31.45	22.51	24.70	0.00	0.00	0.00	0.30	0.00	121.69	-0.03	0.00	0.00	0.00	1.10	1.50	61.43	0.13	16.36	N/A	N/A	N/A	N/A
13	0.13	2.10	14.25	5.00	2.98E-006	8.52E-003	6.00	28.04	34.00	31.41	22.37	24.50	0.00	0.00	0.00	0.30	0.00	121.33	-0.03	0.00	0.00	0.00	1.20	1.48	61.10	0.12	16.33	N/A	N/A	N/A	N/A
14	0.14	1.82	16.24	5.00	1.34E-006	3.47E-003	6.00	25.44	32.00	31.59	22.40	24.67	0.00	0.00	0.00	0.30	0.00	121.40	-0.03	0.00	0.00	0.00	1.31	1.75	62.67	0.14	16.42	N/A	N/A	N/A	N/A
15	0.15	1.81	18.64	5.00	1.05E-006	2.70E-003	6.00	25.30	32.00	31.99	23.29	25.90	0.00	0.00	0.00	0.30	0.00	123.79	-0.04	0.00	0.00	0.00	1.43	1.86	66.43	0.19	16.58	N/A	N/A	N/A	N/A
16	0.16	1.74	19.68	5.00	8.11E-007	2.01E-003	6.00	24.32	31.00	32.21	23.45	26.15	0.00	0.00	0.00	0.30	0.00	124.21	-0.05	0.00	0.00	0.00	1.55	2.00	68.58	0.23	16.63	N/A	N/A	N/A	N/A
17	0.17	1.70	18.66	5.00	8.02E-007	1.94E-003	6.00	23.75	31.00	32.06	22.95	25.48	0.00	0.00	0.00	0.30	0.00	122.87	-0.04	0.00	0.00	0.00	1.65	2.01	67.19	0.20	16.56	N/A	N/A	N/A	N/A
18	0.18	1.70	17.57	5.00	8.85E-007	2.14E-003	6.00	23.75	31.00	31.87	22.54	24.93	0.00	0.00	0.00	0.30	0.00	121.78	-0.04	0.00	0.00	0.00	1.74	1.95	65.32	0.17	16.49	N/A	N/A	N/A	N/A
19	0.19	1.69	17.63	5.00	8.58E-007	2.06E-003	6.00	23.60	31.00	31.89	22.53	24.92	0.00	0.00	0.00	0.30	0.00	121.75	-0.04	0.00	0.00	0.00	1.84	1.97	65.50	0.18	16.49	N/A	N/A	N/A	N/A
20	0.20	1.68	16.81	5.00	9.03E-007	2.16E-003	6.00	23.46	31.00	31.75	22.18	24.45	0.00	0.00	0.00	0.30	0.00	120.81	-0.04	0.00	0.00	0.00	1.93	1.94	64.16	0.16	16.43	N/A	N/A	N/A	N/A
21	0.21	1.68	17.16	5.00	8.73E-007	2.09E-003	6.00	23.46	31.00	31.81	22.32	24.63	0.00	0.00	0.00	0.30	0.00	121.17	-0.04	0.00	0.00	0.00	2.04	1.96	64.77	0.17	16.46	N/A	N/A	N/A	N/A
22	0.22	1.66	17.94	5.00	7.72E-007	1.82E-003	6.00	23.17	31.00	31.97	22.55	24.95	0.00	0.00	0.00	0.30	0.00	121.79	-0.04	0.00	0.00	0.00	2.15	2.03	66.29	0.19	16.50	N/A	N/A	N/A	N/A
23	0.23	1.62	18.23	5.00	6.78E-007	1.56E-003	5.00	22.61	30.00	32.06	22.52	24.94	0.00	0.00	0.00	0.30	0.00	121.73	-0.04	0.00	0.00	0.00	2.26	2.11	67.19	0.20	16.51	N/A	N/A	N/A	N/A
24	0.24	1.58	22.41	5.00	4.30E-007	9.66E-004	6.00	22.05	30.00	32.86	23.85	26.77	0.00	0.00	0.00	0.30	0.00	125.26	-0.06	0.00	0.00	0.00	2.44	2.43	75.40	0.40	16.74	N/A	N/A	N/A	N/A
25	0.25	1.56	20.42	5.00	4.78E-007	1.06E-003	5.00	21.77	30.00	32.54	23.10	25.76	0.00	0.00	0.00	0.30	0.00	123.28	-0.05	0.00	0.00	0.00	2.52	2.35	72.01	0.30	16.63	N/A	N/A	N/A	N/A
26	0.26	1.56	19.88	5.00	5.00E-007	1.11E-003	5.00	21.76	30.00	32.44	22.91	25.50	0.00	0.00	0.00	0.30	0.00	122.77	-0.05	0.00	0.00	0.00	2.62	2.31	70.99	0.28	16.60	N/A	N/A	N/A	N/A
27	0.27	1.51	17.56	5.00	5.35E-007	1.15E-003	5.00	21.06	29.00	32.07	21.89	24.14	0.00	0.00	0.00	0.30	0.00	120.02	-0.04	0.00	0.00	0.00	2.68	2.26	67.25	0.20	16.44	N/A	N/A	N/A	N/A
28	0.28	1.47	17.14	5.00	4.97E-007	1.04E-003	5.00	20.50	29.00	32.04	21.60	23.76	0.00	0.00	0.00	0.30	0.00	119.20	-0.04	0.00	0.00	0.00	2.78	2.32	66.97	0.20	16.40	N/A	N/A	N/A	N/A
29	0.29	1.41	18.52	5.00	3.66E-007	7.34E-004	5.00	19.66	28.00	32.42	21.88	24.18	0.00	0.00	0.00	0.30	0.00	119.99	-0.05	0.00	0.00	0.00	2.93	2.55	70.74	0.27	16.48	N/A	N/A	N/A	N/A
30	0.30	1.35	17.79	5.00	3.26E-007	6.25E-004	5.00	18.81	28.00	32.38	21.40	23.55	0.00	0.00	0.00	0.30	0.00	118.65	-0.05	0.00	0.00	0.00	3.03	2.65	70.32	0.26	16.41	N/A	N/A	N/A	N/A
31	0.31	1.33	17.82	5.00	3.05E-007	5.76E-004	5.00	18.53	27.00	32.42	21.33	23.48	0.00	0.00	0.00	0.30	0.00	118.46	-0.05	0.00	0.00	0.00	3.14	2.71	70.78	0.27	16.41	N/A	N/A	N/A	N/A
32	0.32	1.29	17.26	5.00	2.82E-007	5.17E-004	5.00	17.97	27.00	32.38	20.97	23.01	0.00	0.00	0.00	0.30	0.00	117.46	-0.05	0.00	0.00	0.00	3.23	2.78	70.36	0.26	16.36	N/A	N/A	N/A	N/A
33	0.33	1.25	16.73	5.00	2.60E-007	4.62E-004	5.00	17.41	26.00	32.35	20.62	22.56	0.00	0.00	0.00	0.30	0.00	116.47	-0.05	0.00	0.00	0.00	3.33	2.85	70.02	0.26	16.31	N/A	N/A	N/A	N/A
34	0.34	1.22	16.48	5.00	2.41E-007	4.17E-004	5.00	16.98	26.00	32.36	20.40	22.29	0.00	0.00	0.00	0.30	0.00	115.87	-0.05	0.00	0.00	0.00	3.44	2.93	70.10	0.26	16.29	N/A	N/A	N/A	N/A
35	0.35	1.18	16.11	5.00	2.17E-007	3.63E-004	4.00	16.42	26.00	32.36	20.10	21.91	0.00	0.00	0.00	0.30	0.00	115.01	-0.05	0.00	0.00	0.00	3.54	3.03	70.14	0.26	16.25	N/A	N/A	N/A	N/A
36	0.36	1.16	15.53	5.00	2.14E-007	3.52E-004	4.00	16.14	25.00	32.27	19.80	21.52	0.00	0.00	0.00	0.30	0.00	114.15	-0.05	0.00	0.00	0.00	3.63	3.04	69.22	0.24	16.20	N/A	N/A	N/A	N/A
37	0.37	1.13	15.16	5.00	1.99E-007	3.19E-004	4.00	15.72	25.00	32.25	19.54	21.18	0.00	0.00	0.00	0.30	0.00	113.38	-0.05	0.00	0.00	0.00	3.73	3.12	69.03	0.24	16.16	N/A	N/A	N/A	N/A
38	0.38	1.11	14.96	5.00	1.89E-007	2.97E-004	4.00	15.43	25.00	32.25	19.38	20.97	0.00	0.00	0.00	0.30	0.00	112.91	-0.05	0.00	0.00	0.00	3.83	3.17	69.02	0.23	16.14	N/A	N/A	N/A	N/A
39	0.39	1.09	14.68	5.00	1.80E-007	2.78E-004	4.00	15.15	25.00	32.23	19.18	20.73	0.00	0.00	0.00	0.30	0.00	112.35	-0.05	0.00	0.00	0.00	3.93	3.22	68.81	0.23	16.11	N/A	N/A	N/A	N/A
40	0.40	1.09	14.49	5.00	1.84E-007	2.84E-004	4.00	15.15	25.00	32.18	19.11	20.63	0.00	0.00	0.00	0.30	0.00	112.13	-0.05	0.00	0.00	0.00	4.02	3.20	68.33	0.22	16.10	N/A	N/A	N/A	N/A
41	0.41	1.07	14.54	5.00	1.69E-007	2.56E-004	4.00	14.87	24.00	32.24	19.04	20.55	0.00	0.00	0.00	0.30	0.00	111.93	-0.05	0.00	0.00	0.00	4.14	3.29	68.96	0.23	16.09	N/A	N/A	N/A	N/A
42	0.42	1.09	13.84	5.00	1.98E-007	3.05E-004	4.00	15.14	25.00	32.01	18.85	20.29	0.00	0.00	0.00	0.30	0.00	111.38	-0.04	0.00	0.00	0.00	4.20	3.12	66.70	0.19	16.04	N/A	N/A	N/A	N/A
43	0.43	1.09	14.19	5.00	1.90E-007	2.93E-004	4.00	15.14	25.00	32.11	18.99	20.47	0.00	0.00	0.00	0.30	0.00	111.78	-0.04	0.00	0.00	0.00	4.32	3.17	67.59	0.21	16.07	N/A	N/A	N/A	N/A
44	0.44	1.11	16.87	4.00	1.54E-007	2.42E-004	4.00	15.42	0.00	0.00	0.00	21.92	15.00	73.42	10.43	0.30	6.52	114.94	0.00	1.00	4.57	0.00	73.42	3.39	73.71	0.35	16.28	N/A	N/A	N/A	N/A
45	0.45	1.10	18.73	4.00	1.24E-007	1.93E-004	4.00	15.28	0.00	0.00	0.00	22.75	15.00	72.75	10.10	0.30	6.46	116.67	0.00	1.00	4.08	0.00	72.75	3.64	78.42	0.51	16.39	N/A	N/A	N/A	N/A
46	0.46	1.12	21.16	4.00	1.08E-007	1.72E-004	4.00	15.55	0.00	0.00	0.00	23.95	15.00	74.07	10.05	0.30	6.58	119.17	0.00	1.00	3.68	0.00	74.07	3.81	83.46	0.58	16.54	N/A	N/A	N/A	N/A
47	0.47	1.12	23.27	4.00	9.16E-008	1.45E-004	5.00	15.55	0.00	0.00	0.00	24.85	15.00	74.06	9.83	0.30	6.58	120.99	0.00	1.00	3.34	0.00	74.06	4.02	88.17	0.58	16.65	N/A	N/A	N/A	N/A
48	0.48	1.15	24.85	4.00	9.12E-008	1.48E-004	5.00	15.97	0.00	0.00	0.00	25.67	15.00	76.05	9.87	0.30	6.75	122.66	0.00	1.00	3.21	0.00	76.05	4.03	90.69	0.58	16.74	N/A	N/A	N/A	N/A
49	0.49	1.16	23.98	4.00	1.01E-007	1.65E-004	5.00	16.11	0.00	0.00	0.00	25.37	15.00	76.70	9.74	0.30	6.81	122.07	0.00	1.00	3.36	0.00	76.70	3.90	88.52	0.58	16.70	N/A	N/A	N/A	N/A
50	0.50	1.18	23.35	4.00	1.14E-007	1.90E-004	5.00	16.38	0.00	0.00	0.00	25.21	15.00	78.02	9.71	0.30	6.93	121.79	0.00	1.00	3.51	0.00	78.02	3.75	86.58	0.58	16.67	N/A	N/A	N/A	N/A
51	0.51	1.23	22.85	4.00	1.41E-007	2.45E-004	5.00	17.08	0.00	0.00	0.00	25.27	15.00	81.34	9.91	0.30	7.22	121.96	0.00	1.00	3.74	0.00	81.34	3.49	84.10	0.58	16.67	N/A	N/A	N/A	N/A
52	0.52	1.19	22.57	4.00	1.25E-007	2.10E-004	5.00	16.52	0.00	0.00	0.00	24.93	15.00	78.66	9.40	0.30	6.99	121.24	0.00	1.00	3.66	0.00	78.66	3.63	84.61	0.58	16.64	N/A	N/A	N/A	N/A
53	0.53	1.19	22.63	4.00	1.24E-007	2.09E-004	5.00	16.52	0.00	0.00	0.00	24.96	15.00	78.65	9.21	0.30	6.99	121.29	0.00	1.00	3.65	0.00	78.65	3.64	84.75	0.58	16.64	N/A	N/A	N/A	N/A
54	0.54	1.18	22.23	4.00	1.24E-007	2.06E-004	5.00	16.37	0.00	0.00	0.00	24.73	15.00	77.97	8.96	0.30	6.93	120.83	0.00	1.00	3.68	0.00	77.97	3.65	84.16	0.58	16.62	N/A	N/A	N/A	N/A
55	0.55	1.22	21.45	4.00	1.54E-007	2.66E-004	5.00	16.98	0.00	0.00	0.00	24.62	15.00	80.86	9.12	0.30	7.18	120.66	0.00	1.00	3.96	0.00	80.86	3.39	81.26	0.58	16.59	N/A	N/A	N/A	N/A
56	0.56	1.25	21.02	4.00	1.74E-007	3.08E-004	5.00	17.35	0.00	0.00	0.00	24.56	15.00	82.61	9.14	0.30	7.34	120.57	0.00	1.00	4.13	0.00	82.61	3.26	79.64	0.57	16.58	N/A	N/A	N/A	N/A
57	0.57	1.25	20.32	4.00	1.85E-007	3.26E-004	5.00	17.35	0.00	0.00	0.00	24.25	15.00	82.60	8.98	0.30	7.34	119.93	0.00	1.00	4.27	0.00	82.60	3.19	78.12	0.50	16.54	N/A	N/A	N/A	N/A
58	0.58	1.27	19.98	5.00	2.03E-007	3.65E-004	5.00	17.62	27.00	32.99	21.83	24.19	0.00	0.00	0.00	0.30	0.00	119.84	-0.06	0.00	0.00	0.00	6.08	3.09	76.89	0.45	16.52	N/A	N/A	N/A	N/A
59	0.59	1.27	19.56	5.00	2.11E-007	3.78E-004	5.00	17.62	27.00	32.91	21.68	24.00	0.00	0.00	0.00	0.30	0.00	119.45	-0.06	0.00	0.00	0.00	6.17	3.06	75.98	0.42	16.50	N/A	N/A	N/A	N/A
60	0.60	1.29	19.14	5.00	2.33E-007	4.26E-004	5.00	17.90	27.00	32.78	21.62	23.90	0.00	0.00	0.00	0.30	0.00	119.27	-0.06	0.00	0.00	0.00	6.24	2.96	74.60	0.37	16.48	N/A	N/A	N/A	N/A
61	0.61	1.31	18.78	5.00	2.57E-007	4.77E-004	5.00	18.18	27.00	32.67	21.57	23.82	0.00	0.00	0.00	0.30	0.00	119.14	-0.06	0.00	0.00	0.00	6.32	2.86	73.38	0.34	16.46	N/A	N/A	N/A	N/A
62	0.62	1.33	18.40	5.00	2.84E-007	5.34E-004	5.00	18.45	27.00	32.55	21.52	23.73	0.00	0.00	0.00	0.30	0.00	118.98	-0.05	0.00	0.00	0.00	6.40	2.77	72.14	0.30	16.45	N/A	N/A	N/A	N/A
63	0.63	1.34	17.89	5.00	3.07E-007	5.82E-004	5.00	18.59	27.00	32.43	21.37	23.53	0.00	0.00	0.00	0.30	0.00	118.58	-0.05	0.00	0.00	0.00	6.47	2.70	70.84	0.27	16.42	N/A	N/A	N/A	N/A
64	0.64	1.33	17.12	5.00	3.20E-007	6.02E-004	5.00	18.45	27.00	32.28	21.05	23.10	0.00	0.00	0.00	0.30	0.00	117.69	-0.05	0.00	0.00	0.00	6.54	2.67	69.37	0.24	16.36	N/A	N/A	N/A	N/A
65	0.65	1.36	16.85	5.00	3.61E-007	6.94E-004	5.00	18.87	28.00	32.17	21.06	23.10	0.00	0.00	0.00	0.30	0.00	117.73	-0.05	0.00	0.00	0.00	6.61	2.56	68.24	0.22	16.35	N/A	N/A	N/A	N/A
66	0.66	1.42	16.33	5.00	4.56E-007	9.16E-004	5.00	19.71	28.00	31.96	21.09	23.10	0.00	0.00	0.00	0.30	0.00	117.79	-0.04	0.00	0.00	0.00	6.66	2.38	66.15	0.19	16.33	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
67	0.67	1.45	16.52	5.00	4.89E-007	1.00E-003	5.00	20.13	28.00	31.95	21.27	23.33	0.00	0.00	0.00	0.30	0.00	118.30	-0.04	0.00	0.00	0.00	6.76	2.33	66.10	0.19	16.36	N/A	N/A	N/A	N/A
68	0.68	1.49	16.45	5.00	5.52E-007	1.16E-003	5.00	20.69	29.00	31.88	21.38	23.46	0.00	0.00	0.00	0.30	0.00	118.61	-0.04	0.00	0.00	0.00	6.85	2.24	65.42	0.18	16.36	N/A	N/A	N/A	N/A
69	0.69	1.53	16.63	5.00	6.07E-007	1.31E-003	5.00	21.24	29.00	31.87	21.59	23.72	0.00	0.00	0.00	0.30	0.00	119.18	-0.04	0.00	0.00	0.00	6.94	2.18	65.28	0.17	16.38	N/A	N/A	N/A	N/A
70	0.70	1.57	16.63	5.00	6.76E-007	1.50E-003	5.00	21.80	30.00	31.82	21.73	23.89	0.00	0.00	0.00	0.30	0.00	119.56	-0.04	0.00	0.00	0.00	7.03	2.11	64.84	0.17	16.39	N/A	N/A	N/A	N/A
71	0.71	1.63	16.75	5.00	7.83E-007	1.81E-003	5.00	22.64	30.00	31.78	21.97	24.19	0.00	0.00	0.00	0.30	0.00	120.23	-0.04	0.00	0.00	0.00	7.12	2.02	64.50	0.16	16.42	N/A	N/A	N/A	N/A
72	0.72	1.69	16.72	5.00	9.14E-007	2.19E-003	6.00	23.48	31.00	31.73	22.15	24.41	0.00	0.00	0.00	0.30	0.00	120.73	-0.04	0.00	0.00	0.00	7.21	1.93	64.00	0.16	16.43	N/A	N/A	N/A	N/A
73	0.73	1.72	16.78	5.00	9.79E-007	2.38E-003	6.00	23.90	31.00	31.72	22.27	24.56	0.00	0.00	0.00	0.30	0.00	121.05	-0.04	0.00	0.00	0.00	7.31	1.90	63.92	0.15	16.44	N/A	N/A	N/A	N/A
74	0.74	1.75	16.82	5.00	1.05E-006	2.60E-003	6.00	24.32	31.00	31.71	22.38	24.69	0.00	0.00	0.00	0.30	0.00	121.35	-0.04	0.00	0.00	0.00	7.41	1.86	63.83	0.15	16.45	N/A	N/A	N/A	N/A
75	0.75	1.72	16.85	5.00	9.72E-007	2.37E-003	6.00	23.89	31.00	31.73	22.30	24.59	0.00	0.00	0.00	0.30	0.00	121.12	-0.04	0.00	0.00	0.00	7.52	1.90	64.04	0.16	16.44	N/A	N/A	N/A	N/A
76	0.76	1.70	16.88	5.00	9.22E-007	2.22E-003	6.00	23.61	31.00	31.75	22.25	24.53	0.00	0.00	0.00	0.30	0.00	120.98	-0.04	0.00	0.00	0.00	7.62	1.93	64.21	0.16	16.44	N/A	N/A	N/A	N/A
77	0.77	1.69	16.89	5.00	8.99E-007	2.15E-003	6.00	23.47	31.00	31.76	22.22	24.50	0.00	0.00	0.00	0.30	0.00	120.90	-0.04	0.00	0.00	0.00	7.73	1.94	64.29	0.16	16.44	N/A	N/A	N/A	N/A
78	0.78	1.68	16.93	5.00	8.73E-007	2.08E-003	6.00	23.33	31.00	31.78	22.20	24.48	0.00	0.00	0.00	0.30	0.00	120.86	-0.04	0.00	0.00	0.00	7.84	1.96	64.43	0.16	16.44	N/A	N/A	N/A	N/A
79	0.79	1.66	16.99	5.00	8.25E-007	1.94E-003	5.00	23.05	30.00	31.80	22.16	24.43	0.00	0.00	0.00	0.30	0.00	120.74	-0.04	0.00	0.00	0.00	7.95	1.99	64.69	0.16	16.44	N/A	N/A	N/A	N/A
80	0.80	1.64	17.13	5.00	7.73E-007	1.79E-003	5.00	22.77	30.00	31.85	22.15	24.43	0.00	0.00	0.00	0.30	0.00	120.71	-0.04	0.00	0.00	0.00	8.06	2.03	65.10	0.17	16.45	N/A	N/A	N/A	N/A
81	0.81	1.65	17.25	5.00	7.84E-007	1.83E-003	5.00	22.91	30.00	31.86	22.22	24.53	0.00	0.00	0.00	0.30	0.00	120.92	-0.04	0.00	0.00	0.00	8.17	2.02	65.23	0.17	16.46	N/A	N/A	N/A	N/A
82	0.82	1.66	17.37	5.00	7.95E-007	1.87E-003	6.00	23.05	30.00	31.87	22.30	24.63	0.00	0.00	0.00	0.30	0.00	121.13	-0.04	0.00	0.00	0.00	8.27	2.01	65.36	0.17	16.47	N/A	N/A	N/A	N/A
83	0.83	1.57	17.42	5.00	6.25E-007	1.39E-003	5.00	21.79	30.00	31.98	22.02	24.29	0.00	0.00	0.00	0.30	0.00	120.37	-0.04	0.00	0.00	0.00	8.41	2.16	66.34	0.19	16.45	N/A	N/A	N/A	N/A
84	0.84	1.54	17.46	5.00	5.74E-007	1.25E-003	5.00	21.37	29.00	32.02	21.93	24.19	0.00	0.00	0.00	0.30	0.00	120.13	-0.04	0.00	0.00	0.00	8.53	2.22	66.77	0.20	16.44	N/A	N/A	N/A	N/A
85	0.85	1.49	17.50	5.00	4.97E-007	1.05E-003	5.00	20.66	29.00	32.10	21.77	24.00	0.00	0.00	0.00	0.30	0.00	119.69	-0.04	0.00	0.00	0.00	8.66	2.32	67.52	0.21	16.43	N/A	N/A	N/A	N/A
86	0.86	1.37	17.58	5.00	3.45E-007	6.67E-004	5.00	18.98	28.00	32.31	21.36	23.51	0.00	0.00	0.00	0.30	0.00	118.56	-0.05	0.00	0.00	0.00	8.83	2.60	69.65	0.25	16.41	N/A	N/A	N/A	N/A
87	0.87	1.29	17.63	5.00	2.66E-007	4.83E-004	5.00	17.86	27.00	32.48	21.07	23.16	0.00	0.00	0.00	0.30	0.00	117.75	-0.05	0.00	0.00	0.00	8.99	2.83	71.35	0.28	16.39	N/A	N/A	N/A	N/A
88	0.88	1.21	17.79	5.00	1.99E-007	3.39E-004	5.00	16.73	26.00	32.68	20.81	22.85	0.00	0.00	0.00	0.30	0.00	117.00	-0.06	0.00	0.00	0.00	9.17	3.12	73.53	0.34	16.37	N/A	N/A	N/A	N/A
89	0.89	1.16	17.90	4.00	1.64E-007	2.69E-004	4.00	16.03	0.00	0.00	0.00	22.65	15.00	76.34	5.28	0.30	6.78	116.52	0.00	1.00	4.48	0.00	76.34	3.32	75.03	0.39	16.36	N/A	N/A	N/A	N/A
90	0.90	1.12	18.02	4.00	1.40E-007	2.20E-004	4.00	15.47	0.00	0.00	0.00	22.49	15.00	73.66	5.04	0.30	6.54	116.15	0.00	1.00	4.29	0.00	73.66	3.50	76.36	0.43	16.36	N/A	N/A	N/A	N/A
91	0.91	1.09	18.17	4.00	1.23E-007	1.88E-004	4.00	15.05	0.00	0.00	0.00	22.40	15.00	71.65	4.85	0.30	6.36	115.91	0.00	1.00	4.14	0.00	71.65	3.66	77.55	0.48	16.36	N/A	N/A	N/A	N/A
92	0.92	1.05	18.29	4.00	1.03E-007	1.52E-004	4.00	14.48	0.00	0.00	0.00	22.24	15.00	68.97	4.61	0.30	6.13	115.51	0.00	1.00	3.96	0.00	68.97	3.87	78.98	0.54	16.35	N/A	N/A	N/A	N/A
93	0.93	1.02	18.36	4.00	9.05E-008	1.30E-004	4.00	14.06	0.00	0.00	0.00	22.10	15.00	66.96	4.43	0.30	5.95	115.18	0.00	1.00	3.83	0.00	66.96	4.04	80.04	0.58	16.34	N/A	N/A	N/A	N/A
94	0.94	0.99	18.42	4.00	7.91E-008	1.10E-004	4.00	13.64	0.00	0.00	0.00	21.95	15.00	64.95	4.25	0.30	5.77	114.82	0.00	1.00	3.70	0.00	64.95	4.22	81.10	0.58	16.34	N/A	N/A	N/A	N/A
95	0.95	0.96	18.58	4.00	6.82E-008	9.19E-005	4.00	13.22	0.00	0.00	0.00	21.85	15.00	62.94	4.08	0.30	5.59	114.55	0.00	1.00	3.56	0.00	62.94	4.42	82.42	0.58	16.33	N/A	N/A	N/A	N/A
96	0.96	0.93	18.69	4.00	5.89E-008	7.68E-005	4.00	12.79	0.00	0.00	0.00	21.71	15.00	60.92	3.91	0.30	5.41	114.22	0.00	1.00	3.42	0.00	60.92	4.64	83.64	0.58	16.33	N/A	N/A	N/A	N/A
97	0.97	0.91	18.77	4.00	5.32E-008	6.78E-005	4.00	12.51	0.00	0.00	0.00	21.62	15.00	59.58	3.78	0.30	5.29	114.00	0.00	1.00	3.33	0.00	59.58	4.79	84.49	0.58	16.32	N/A	N/A	N/A	N/A
98	0.98	0.89	18.82	4.00	4.81E-008	5.99E-005	4.00	12.23	0.00	0.00	0.00	21.52	15.00	58.23	3.66	0.30	5.17	113.74	0.00	1.00	3.25	0.00	58.23	4.95	85.26	0.58	16.32	N/A	N/A	N/A	N/A
99	0.99	0.87	18.95	4.00	4.30E-008	5.24E-005	4.00	11.95	0.00	0.00	0.00	21.45	15.00	56.89	3.54	0.30	5.05	113.55	0.00	1.00	3.15	0.00	56.89	5.12	86.25	0.58	16.32	N/A	N/A	N/A	N/A
100	1.00	0.85	18.85	4.00	3.92E-008	4.66E-005	4.00	11.66	0.00	0.00	0.00	21.27	15.00	55.54	3.42	0.30	4.93	113.14	0.00	1.00	3.09	0.00	55.54	5.27	86.66	0.58	16.30	N/A	N/A	N/A	N/A
101	1.01	0.83	18.82	4.00	3.55E-008	4.11E-005	4.00	11.38	0.00	0.00	0.00	21.13	15.00	54.20	3.30	0.30	4.81	112.79	0.00	1.00	3.02	0.00	54.20	5.44	87.25	0.58	16.29	N/A	N/A	N/A	N/A
102	1.02	0.80	18.78	4.00	3.03E-008	3.39E-005	4.00	10.96	0.00	0.00	0.00	20.91	15.00	52.19	3.15	0.30	4.64	112.25	0.00	1.00	2.92	0.00	52.19	5.70	88.15	0.58	16.28	N/A	N/A	N/A	N/A
103	1.03	0.78	18.66	4.00	2.75E-008	2.99E-005	4.00	10.68	0.00	0.00	0.00	20.71	15.00	50.84	3.04	0.30	4.52	111.80	0.00	1.00	2.86	0.00	50.84	5.88	88.52	0.58	16.26	N/A	N/A	N/A	N/A
104	1.04	0.77	18.52	4.00	2.63E-008	2.82E-005	4.00	10.53	0.00	0.00	0.00	20.58	15.00	50.17	2.97	0.30	4.46	111.49	0.00	1.00	2.84	0.00	50.17	5.96	88.51	0.58	16.24	N/A	N/A	N/A	N/A
105	1.05	0.76	18.45	4.00	2.50E-008	2.65E-005	3.00	10.39	0.00	0.00	0.00	20.48	15.00	49.49	2.90	0.30	4.40	111.24	0.00	1.00	2.82	0.00	49.49	6.05	88.67	0.58	16.24	N/A	N/A	N/A	N/A
106	1.06	0.74	18.23	4.00	2.27E-008	2.34E-005	3.00	10.11	0.00	0.00	0.00	20.24	15.00	48.14	2.79	0.30	4.28	110.68	0.00	1.00	2.77	0.00	48.14	6.23	88.78	0.58	16.21	N/A	N/A	N/A	N/A
107	1.07	0.73	18.20	4.00	2.14E-008	2.18E-005	3.00	9.97	0.00	0.00	0.00	20.16	15.00	47.47	2.73	0.30	4.22	110.46	0.00	1.00	2.74	0.00	47.47	6.34	89.04	0.58	16.20	N/A	N/A	N/A	N/A
108	1.08	0.73	16.87	4.00	2.44E-008	2.48E-005	3.00	9.97	0.00	0.00	0.00	19.58	15.00	47.45	2.70	0.30	4.21	109.15	0.00	1.00	2.95	0.00	47.45	6.09	85.60	0.58	16.12	N/A	N/A	N/A	N/A
109	1.09	0.74	14.65	4.00	3.29E-008	3.39E-005	3.00	10.10	0.00	0.00	0.00	18.62	15.00	48.11	2.72	0.30	4.27	106.99	0.00	1.00	3.45	0.00	48.11	5.56	79.27	0.55	15.96	N/A	N/A	N/A	N/A
110	1.10	0.76	13.63	4.00	4.16E-008	4.40E-005	3.00	10.38	0.00	0.00	0.00	18.26	15.00	49.43	2.77	0.30	4.39	106.18	0.00	1.00	3.81	0.00	49.43	5.18	75.75	0.41	15.89	N/A	N/A	N/A	N/A
111	1.11	0.82	13.75	4.00	5.68E-008	6.49E-005	3.00	11.22	0.00	0.00	0.00	18.70	15.00	53.42	2.96	0.30	4.75	107.31	0.00	1.00	4.08	0.00	53.42	4.69	74.21	0.36	15.93	N/A	N/A	N/A	N/A
112	1.12	0.85	13.65	4.00	6.70E-008	7.94E-005	4.00	11.64	0.00	0.00	0.00	18.83	15.00	55.42	3.05	0.30	4.92	107.67	0.00	1.00	4.26	0.00	55.42	4.45	73.01	0.33	15.93	N/A	N/A	N/A	N/A
113	1.13	0.90	13.62	4.00	8.58E-008	1.08E-004	4.00	12.34	0.00	0.00	0.00	19.10	15.00	58.74	3.20	0.30	5.22	108.39	0.00	1.00	4.53	0.00	58.74	4.11	71.43	0.29	15.95	N/A	N/A	N/A	N/A
114	1.14	0.96	14.54	4.00	1.02E-007	1.37E-004	4.00	13.17	0.00	0.00	0.00	19.91	15.00	62.73	3.39	0.30	5.57	110.31	0.00	1.00	4.53	0.00	62.73	3.89	72.20	0.31	16.05	N/A	N/A	N/A	N/A
115	1.15	1.02	14.69	4.00	1.29E-007	1.85E-004	4.00	14.01	0.00	0.00	0.00	20.31	15.00	66.72	3.57	0.30	5.93	111.30	0.00	1.00	4.77	0.00	66.72	3.59	70.93	0.28	16.09	N/A	N/A	N/A	N/A
116	1.16	1.08	14.76	4.00	1.64E-007	2.48E-004	4.00	14.85	0.00	0.00	0.00	20.66	15.00	70.71	3.76	0.30	6.28	112.16	0.00	1.00	5.03	0.00	70.71	3.32	69.54	0.25	16.11	N/A	N/A	N/A	N/A
117	1.17	1.14	14.54	5.00	2.12E-007	3.38E-004	4.00	15.69	25.00	32.10	19.29	20.85	0.00	0.00	0.00	0.30	0.00	112.66	-0.04	0.00	0.00	0.00	11.91	3.05	67.55	0.21	16.12	N/A	N/A	N/A	N/A
118	1.18	1.21	14.25	5.00	2.81E-007	4.78E-004	4.00	16.67	26.00	31.87	19.46	21.04	0.00	0.00	0.00	0.30	0.00	113.16	-0.04	0.00	0.00	0.00	11.91	2.78	65.34	0.17	16.12	N/A	N/A	N/A	N/A
119	1.19	1.26	14.22	5.00	3.35E-007	5.93E-004	5.00	17.36	26.00	31.76	19.64	21.25	0.00	0.00	0.00	0.30	0.00	113.69	-0.04	0.00	0.00	0.00	11.96	2.63	64.31	0.16	16.13	N/A	N/A	N/A	N/A
120	1.20	1.31	14.16	5.00	3.98E-007	7.32E-004	5.00	18.06	27.00	31.65	19.81	21.44	0.00	0.00	0.00	0.30	0.00	114.16	-0.03	0.00	0.00	0.00	12.01	2.49	63.30	0.15	16.14	N/A	N/A	N/A	N/A
121	1.21	1.35	14.03	5.00	4.58E-007	8.70E-004	5.00	18.62	27.00	31.55	19.90	21.55	0.00	0.00	0.00	0.30	0.00	114.44	-0.03	0.00	0.00	0.00	12.06	2.38	62.39	0.14	16.14	N/A	N/A	N/A	N/A
122	1.22	1.39	13.62	5.00	5.43E-007	1.06E-003	5.00	19.18	28.00	31.39	19.88	21.49	0.00	0.00	0.00	0.30	0.00	114.37	-0.03	0.00	0.00	0.00	12.08	2.25	60.95	0.12	16.12	N/A	N/A	N/A	N/A
123	1.23	1.42	13.12	5.00	6.30E-007	1.26E-003	5.00	19.59	28.00	31.23	19.78	21.34	0.00	0.00	0.00	0.30	0.00	114.08	-0.03	0.00	0.00	0.00	12.10	2.16	59.53	0.11	16.08	N/A	N/A	N/A	N/A
124	1.24	1.44	11.86	5.00	7.78E-007	1.58E-003	5.00	19.87	28.00	30.90	19.31	20.68	0.00	0.00	0.00	0.30	0.00	112.70	-0.02	0.00	0.00	0.00	12.04	2.02	56.71	0.09	15.97	N/A	N/A	N/A	N/A
125	1.25	1.43	10.37	5.00	9.19E-007	1.85E-003	5.00	19.73	28.00	30.52	18.60	19.73	0.00	0.00	0.00	0.30	0.00	110.61	-0.01	0.00	0.00	0.00	11.95	1.93	53.69	0.07	15.82	N/A	N/A	N/A	N/A
126	1.26	1.43	9.84	5.00	9.90E-007	1.99E-003	5.00	19.73	28.00	30.38	18.35	19.39	0.00	0.00	0.00	0.30	0.00	109.87	-0.01	0.00	0.00	0.00	11.98	1.89	52.60	0.06	15.76	N/A	N/A	N/A	N/A
127	1.27	1.40	9.69	5.00	9.26E-007	1.82E-003	5.00	19.30	28.00	30.36	18.17	19.17	0.00	0.00	0.00	0.30	0.00	109.35	-0.01	0.00	0.00	0.00	12.06	1.93	52.43	0.06	15.73	N/A	N/A	N/A	N/A
128	1.28	1.38	9.21	5.00	9.36E-007	1.82E-003	5.00	19.02	28.00	30.24	17.87	18.78	0.00	0.00	0.00	0.30	0.00	108.44	0.00	0.00	0.00	0.00	12.09	1.92	51.51	0.06	15.67	N/A	N/A	N/A	N/A
129	1.29	1.36	9.08	5.00	8.98E-007	1.72E-003	4.00	18.74	27.00	30.21	17.74	18.61	0.00	0.00	0.00	0.30	0.00	108.03	0.00	0.00	0.00	0.00	12.17	1.94	51.34	0.06	15.64	N/A	N/A	N/A	N/A
130	1.30	1.33	8.78	5.00	8.57E-007	1.60E-003	4.00	18.32	27.00	30.15	17.49	18.29	0.00	0.00	0.00	0.30	0.00	107.26	0.00	0.00	0.00	0.00	12.23	1.97	50.85	0.06	15.60	N/A	N/A	N/A	N/A
131	1.31	1.31	8.58	5.00	8.30E-007	1.53E-003	4.00	18.03	27.00	30.10	17.32	18.08	0.00	0.00	0.00	0.30	0.00	106.74	0.00	0.00	0.00	0.00	12.30	1.99	50.52	0.05	15.56	N/A	N/A	N/A	N/A
132	1.32	1.29	8.20	5.00	8.28E-007	1.50E-003	4.00	17.75	27.00	30.00	17.05	17.73	0.00	0.00	0.00	0.30	0.00	105.93	0.00	0.00	0.00	0.00	12.34	1.99	49.77	0.05	15.51	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
133	1.33	1.26	7.85	5.00	7.96E-007	1.41E-003	4.00	17.33	26.00	30.00	16.77	17.37	0.00	0.00	0.00	0.30	0.00	105.03	0.00	0.00	0.00	0.00	12.43	2.01	49.13	0.05	15.45	N/A	N/A	N/A	N/A
134	1.34	1.25	7.66	5.00	7.95E-007	1.39E-003	4.00	17.19	26.00	30.00	16.63	17.19	0.00	0.00	0.00	0.30	0.00	104.61	0.00	0.00	0.00	0.00	12.52	2.01	48.74	0.05	15.42	N/A	N/A	N/A	N/A
135	1.35	1.22	7.44	5.00	7.47E-007	1.28E-003	4.00	16.77	26.00	30.00	16.41	16.92	0.00	0.00	0.00	0.30	0.00	103.90	0.00	0.00	0.00	0.00	12.61	2.05	48.41	0.05	15.37	N/A	N/A	N/A	N/A
136	1.36	1.20	7.28	5.00	7.18E-007	1.21E-003	4.00	16.48	26.00	30.00	16.25	16.72	0.00	0.00	0.00	0.30	0.00	103.39	0.00	0.00	0.00	0.00	12.69	2.07	48.16	0.05	15.34	N/A	N/A	N/A	N/A
137	1.37	1.17	7.25	5.00	6.50E-007	1.06E-003	4.00	16.06	25.00	30.00	16.12	16.57	0.00	0.00	0.00	0.30	0.00	102.99	0.00	0.00	0.00	0.00	12.78	2.13	48.34	0.05	15.33	N/A	N/A	N/A	N/A
138	1.38	1.14	7.34	5.00	5.74E-007	9.14E-004	4.00	15.64	25.00	30.00	16.05	16.51	0.00	0.00	0.00	0.30	0.00	102.78	0.00	0.00	0.00	0.00	12.87	2.22	48.88	0.05	15.33	N/A	N/A	N/A	N/A
139	1.39	1.12	7.34	5.00	5.33E-007	8.34E-004	4.00	15.36	25.00	30.00	15.98	16.42	0.00	0.00	0.00	0.30	0.00	102.53	0.00	0.00	0.00	0.00	12.96	2.27	49.11	0.05	15.32	N/A	N/A	N/A	N/A
140	1.40	1.08	7.41	5.00	4.52E-007	6.81E-004	4.00	14.79	24.00	30.00	15.86	16.29	0.00	0.00	0.00	0.30	0.00	102.14	0.00	0.00	0.00	0.00	13.05	2.39	49.80	0.05	15.32	N/A	N/A	N/A	N/A
141	1.41	1.05	7.43	5.00	4.00E-007	5.86E-004	4.00	14.37	24.00	30.07	15.75	16.17	0.00	0.00	0.00	0.30	0.00	101.79	0.00	0.00	0.00	0.00	13.17	2.48	50.29	0.05	15.31	N/A	N/A	N/A	N/A
142	1.42	1.02	7.47	5.00	3.52E-007	5.00E-004	4.00	13.95	24.00	30.15	15.65	16.06	0.00	0.00	0.00	0.30	0.00	101.46	0.00	0.00	0.00	0.00	13.31	2.59	50.87	0.06	15.31	N/A	N/A	N/A	N/A
143	1.43	0.99	7.38	5.00	3.15E-007	4.35E-004	4.00	13.53	23.00	30.18	15.47	15.86	0.00	0.00	0.00	0.30	0.00	100.90	0.00	0.00	0.00	0.00	13.41	2.68	51.10	0.06	15.28	N/A	N/A	N/A	N/A
144	1.44	0.96	7.47	5.00	2.72E-007	3.64E-004	4.00	13.10	23.00	30.29	15.39	15.78	0.00	0.00	0.00	0.30	0.00	100.64	-0.01	0.00	0.00	0.00	13.56	2.81	51.93	0.06	15.29	N/A	N/A	N/A	N/A
145	1.45	0.93	7.66	5.00	2.30E-007	2.97E-004	3.00	12.68	23.00	30.45	15.36	15.76	0.00	0.00	0.00	0.30	0.00	100.53	-0.01	0.00	0.00	0.00	13.73	2.97	53.12	0.07	15.30	N/A	N/A	N/A	N/A
146	1.46	0.91	7.94	5.00	1.99E-007	2.52E-004	3.00	12.40	22.00	30.62	15.41	15.85	0.00	0.00	0.00	0.30	0.00	100.69	-0.01	0.00	0.00	0.00	13.92	3.11	54.44	0.07	15.33	N/A	N/A	N/A	N/A
147	1.47	0.89	8.39	5.00	1.68E-007	2.07E-004	3.00	12.12	22.00	30.85	15.54	16.04	0.00	0.00	0.00	0.30	0.00	101.12	-0.02	0.00	0.00	0.00	14.14	3.30	56.33	0.08	15.39	N/A	N/A	N/A	N/A
148	1.48	0.87	8.89	4.00	1.40E-007	1.69E-004	3.00	11.83	0.00	0.00	0.00	16.25	15.00	56.36	2.37	0.30	5.01	101.59	0.00	1.00	6.66	0.00	56.36	3.50	58.42	0.10	15.45	N/A	N/A	N/A	N/A
149	1.49	0.85	9.27	4.00	1.19E-007	1.40E-004	3.00	11.55	0.00	0.00	0.00	16.38	15.00	55.01	2.29	0.30	4.89	101.85	0.00	1.00	6.23	0.00	55.01	3.69	60.14	0.11	15.49	N/A	N/A	N/A	N/A
150	1.50	0.84	10.28	4.00	9.66E-008	1.12E-004	3.00	11.41	0.00	0.00	0.00	16.92	15.00	54.33	2.25	0.30	4.83	103.14	0.00	1.00	5.55	0.00	54.33	3.95	63.58	0.15	15.60	N/A	N/A	N/A	N/A
151	1.51	0.82	10.75	4.00	8.13E-008	9.22E-005	3.00	11.13	0.00	0.00	0.00	17.07	15.00	52.99	2.18	0.30	4.71	103.46	0.00	1.00	5.18	0.00	52.99	4.18	65.60	0.18	15.64	N/A	N/A	N/A	N/A
152	1.52	0.82	11.32	4.00	7.49E-008	8.49E-005	3.00	11.13	0.00	0.00	0.00	17.39	15.00	52.98	2.17	0.30	4.71	104.22	0.00	1.00	4.91	0.00	52.98	4.29	67.33	0.20	15.70	N/A	N/A	N/A	N/A
153	1.53	0.82	12.01	4.00	6.81E-008	7.73E-005	3.00	11.12	0.00	0.00	0.00	17.76	15.00	52.97	2.15	0.30	4.71	105.10	0.00	1.00	4.63	0.00	52.97	4.42	69.40	0.24	15.77	N/A	N/A	N/A	N/A
154	1.54	0.82	12.71	4.00	6.22E-008	7.05E-005	3.00	11.12	0.00	0.00	0.00	18.13	15.00	52.96	2.14	0.30	4.70	105.97	0.00	1.00	4.38	0.00	52.96	4.56	71.45	0.29	15.84	N/A	N/A	N/A	N/A
155	1.55	0.82	13.24	4.00	5.81E-008	6.59E-005	3.00	11.12	0.00	0.00	0.00	18.40	15.00	52.95	2.12	0.30	4.70	106.60	0.00	1.00	4.20	0.00	52.95	4.66	72.98	0.33	15.88	N/A	N/A	N/A	N/A
156	1.56	0.83	13.87	4.00	5.68E-008	6.51E-005	4.00	11.26	0.00	0.00	0.00	18.78	15.00	53.61	2.14	0.30	4.76	107.50	0.00	1.00	4.06	0.00	53.61	4.69	74.46	0.37	15.94	N/A	N/A	N/A	N/A
157	1.57	0.84	14.41	4.00	5.61E-008	6.52E-005	4.00	11.40	0.00	0.00	0.00	19.11	15.00	54.26	2.15	0.30	4.82	108.27	0.00	1.00	3.95	0.00	54.26	4.71	75.66	0.41	15.99	N/A	N/A	N/A	N/A
158	1.58	0.85	14.95	4.00	5.55E-008	6.53E-005	4.00	11.53	0.00	0.00	0.00	19.43	15.00	54.92	2.16	0.30	4.88	109.02	0.00	1.00	3.86	0.00	54.92	4.72	76.83	0.45	16.04	N/A	N/A	N/A	N/A
159	1.59	0.87	15.45	4.00	5.81E-008	6.99E-005	4.00	11.81	0.00	0.00	0.00	19.79	15.00	56.24	2.20	0.30	5.00	109.88	0.00	1.00	3.82	0.00	56.24	4.66	77.55	0.48	16.08	N/A	N/A	N/A	N/A
160	1.60	0.89	15.99	4.00	6.05E-008	7.45E-005	4.00	12.09	0.00	0.00	0.00	20.17	15.00	57.56	2.24	0.30	5.11	110.76	0.00	1.00	3.78	0.00	57.56	4.60	78.36	0.51	16.13	N/A	N/A	N/A	N/A
161	1.61	0.92	16.27	4.00	6.78E-008	8.64E-005	4.00	12.51	0.00	0.00	0.00	20.48	15.00	59.56	2.30	0.30	5.29	111.50	0.00	1.00	3.84	0.00	59.56	4.43	78.17	0.50	16.16	N/A	N/A	N/A	N/A
162	1.62	0.95	16.49	4.00	7.61E-008	1.00E-004	4.00	12.92	0.00	0.00	0.00	20.77	15.00	61.54	2.36	0.30	5.47	112.17	0.00	1.00	3.92	0.00	61.54	4.27	77.82	0.49	16.19	N/A	N/A	N/A	N/A
163	1.63	0.99	16.52	4.00	9.07E-008	1.25E-004	4.00	13.48	0.00	0.00	0.00	21.01	15.00	64.20	2.45	0.30	5.70	112.76	0.00	1.00	4.08	0.00	64.20	4.03	76.70	0.44	16.21	N/A	N/A	N/A	N/A
164	1.64	1.04	16.52	4.00	1.12E-007	1.62E-004	4.00	14.18	0.00	0.00	0.00	21.29	15.00	67.52	2.56	0.30	6.00	113.44	0.00	1.00	4.29	0.00	67.52	3.76	75.26	0.39	16.23	N/A	N/A	N/A	N/A
165	1.65	1.11	16.41	4.00	1.50E-007	2.32E-004	4.00	15.16	0.00	0.00	0.00	21.61	15.00	72.18	2.72	0.30	6.41	114.23	0.00	1.00	4.62	0.00	72.18	3.42	73.08	0.33	16.25	N/A	N/A	N/A	N/A
166	1.66	1.17	16.30	5.00	1.90E-007	3.10E-004	4.00	16.00	25.00	32.47	20.05	21.86	0.00	0.00	0.00	0.30	0.00	114.85	-0.05	0.00	0.00	0.00	16.99	3.16	71.31	0.28	16.26	N/A	N/A	N/A	N/A
167	1.67	1.26	16.11	5.00	2.67E-007	4.69E-004	5.00	17.25	26.00	32.23	20.34	22.20	0.00	0.00	0.00	0.30	0.00	115.69	-0.05	0.00	0.00	0.00	16.94	2.83	68.83	0.23	16.27	N/A	N/A	N/A	N/A
168	1.68	1.34	16.23	5.00	3.43E-007	6.43E-004	5.00	18.37	27.00	32.10	20.70	22.64	0.00	0.00	0.00	0.30	0.00	116.70	-0.04	0.00	0.00	0.00	16.95	2.61	67.53	0.21	16.31	N/A	N/A	N/A	N/A
169	1.69	1.44	16.32	5.00	4.63E-007	9.32E-004	5.00	19.77	28.00	31.95	21.10	23.13	0.00	0.00	0.00	0.30	0.00	117.83	-0.04	0.00	0.00	0.00	16.96	2.37	66.06	0.18	16.34	N/A	N/A	N/A	N/A
170	1.70	1.54	14.79	5.00	7.21E-007	1.56E-003	5.00	21.17	29.00	31.49	20.85	22.73	0.00	0.00	0.00	0.30	0.00	117.13	-0.03	0.00	0.00	0.00	16.75	2.07	61.77	0.13	16.25	N/A	N/A	N/A	N/A
171	1.71	1.63	14.28	5.00	9.69E-007	2.22E-003	5.00	22.43	30.00	31.30	20.94	22.80	0.00	0.00	0.00	0.30	0.00	117.38	-0.03	0.00	0.00	0.00	16.73	1.90	60.15	0.11	16.23	N/A	N/A	N/A	N/A
172	1.72	1.72	13.85	5.00	1.28E-006	3.08E-003	5.00	23.69	31.00	31.18	21.04	22.89	0.00	0.00	0.00	0.30	0.00	117.67	-0.02	0.00	0.00	0.00	16.75	1.77	59.08	0.11	16.22	N/A	N/A	N/A	N/A
173	1.73	1.81	13.12	5.00	1.72E-006	4.36E-003	6.00	24.94	32.00	31.05	21.00	22.79	0.00	0.00	0.00	0.30	0.00	117.56	-0.02	0.00	0.00	0.00	16.76	1.65	57.94	0.10	16.18	N/A	N/A	N/A	N/A
174	1.74	1.86	12.67	5.00	2.03E-006	5.42E-003	6.00	26.26	32.00	30.99	20.95	22.69	0.00	0.00	0.00	0.30	0.00	117.41	-0.02	0.00	0.00	0.00	16.81	1.59	57.43	0.09	16.15	N/A	N/A	N/A	N/A
175	1.75	1.89	12.04	5.00	2.34E-006	6.20E-003	6.00	26.02	32.00	30.90	20.76	22.41	0.00	0.00	0.00	0.30	0.00	116.87	-0.02	0.00	0.00	0.00	16.85	1.54	56.72	0.09	16.09	N/A	N/A	N/A	N/A
176	1.76	1.92	11.41	5.00	2.69E-006	7.06E-003	6.00	25.76	33.00	30.82	20.55	22.11	0.00	0.00	0.00	0.30	0.00	116.29	-0.02	0.00	0.00	0.00	16.90	1.50	56.10	0.08	16.04	N/A	N/A	N/A	N/A
177	1.77	1.90	10.12	5.00	3.04E-006	7.73E-003	6.00	24.92	32.00	30.60	19.89	21.20	0.00	0.00	0.00	0.30	0.00	114.39	-0.01	0.00	0.00	0.00	16.84	1.47	54.32	0.07	15.90	N/A	N/A	N/A	N/A
178	1.78	1.86	9.27	5.00	3.13E-006	7.75E-003	5.00	24.26	32.00	30.42	19.36	20.50	0.00	0.00	0.00	0.30	0.00	112.85	-0.01	0.00	0.00	0.00	16.81	1.46	52.89	0.07	15.79	N/A	N/A	N/A	N/A
179	1.79	1.81	8.63	5.00	3.07E-006	7.42E-003	5.00	23.68	32.00	30.25	18.89	19.88	0.00	0.00	0.00	0.30	0.00	111.49	-0.01	0.00	0.00	0.00	16.79	1.47	51.60	0.06	15.69	N/A	N/A	N/A	N/A
180	1.80	1.76	8.51	5.00	2.79E-006	6.65E-003	5.00	23.42	31.00	30.17	18.69	19.63	0.00	0.00	0.00	0.30	0.00	110.88	0.00	0.00	0.00	0.00	16.83	1.49	51.00	0.06	15.67	N/A	N/A	N/A	N/A
181	1.81	1.71	8.45	5.00	2.50E-006	5.91E-003	5.00	23.20	31.00	30.10	18.51	19.42	0.00	0.00	0.00	0.30	0.00	110.35	0.00	0.00	0.00	0.00	16.88	1.52	50.53	0.05	15.65	N/A	N/A	N/A	N/A
182	1.82	1.67	8.42	5.00	2.27E-006	5.34E-003	5.00	23.03	30.00	30.06	18.37	19.27	0.00	0.00	0.00	0.30	0.00	109.95	0.00	0.00	0.00	0.00	16.94	1.55	50.23	0.05	15.64	N/A	N/A	N/A	N/A
183	1.83	1.61	8.42	5.00	1.95E-006	4.54E-003	5.00	22.80	30.00	30.02	18.19	19.06	0.00	0.00	0.00	0.30	0.00	109.40	0.00	0.00	0.00	0.00	17.00	1.60	49.92	0.05	15.62	N/A	N/A	N/A	N/A
184	1.84	1.57	8.32	5.00	1.79E-006	3.93E-003	5.00	21.56	29.00	30.00	18.01	18.85	0.00	0.00	0.00	0.30	0.00	108.87	0.00	0.00	0.00	0.00	17.08	1.63	49.60	0.05	15.60	N/A	N/A	N/A	N/A
185	1.85	1.53	8.23	5.00	1.63E-006	3.49E-003	5.00	21.00	29.00	30.00	17.84	18.64	0.00	0.00	0.00	0.30	0.00	108.35	0.00	0.00	0.00	0.00	17.17	1.67	49.34	0.05	15.58	N/A	N/A	N/A	N/A
186	1.86	1.51	8.26	5.00	1.54E-006	3.24E-003	5.00	20.71	29.00	30.00	17.79	18.59	0.00	0.00	0.00	0.30	0.00	108.20	0.00	0.00	0.00	0.00	17.26	1.69	49.36	0.05	15.57	N/A	N/A	N/A	N/A
187	1.87	1.49	8.36	5.00	1.43E-006	2.98E-003	5.00	20.43	29.00	30.00	17.78	18.58	0.00	0.00	0.00	0.30	0.00	108.16	0.00	0.00	0.00	0.00	17.35	1.72	49.53	0.05	15.58	N/A	N/A	N/A	N/A
188	1.88	1.47	8.45	5.00	1.33E-006	2.73E-003	5.00	20.15	28.00	30.00	17.76	18.57	0.00	0.00	0.00	0.30	0.00	108.10	0.00	0.00	0.00	0.00	17.44	1.75	49.71	0.05	15.59	N/A	N/A	N/A	N/A
189	1.89	1.42	8.36	5.00	1.17E-006	2.32E-003	5.00	19.45	28.00	30.00	17.55	18.32	0.00	0.00	0.00	0.30	0.00	107.46	0.00	0.00	0.00	0.00	17.53	1.81	49.60	0.05	15.56	N/A	N/A	N/A	N/A
190	1.90	1.36	8.77	5.00	9.14E-007	1.73E-003	4.00	18.60	27.00	30.13	17.55	18.37	0.00	0.00	0.00	0.30	0.00	107.46	0.00	0.00	0.00	0.00	17.71	1.93	50.71	0.06	15.60	N/A	N/A	N/A	N/A
191	1.91	1.31	8.99	5.00	7.55E-007	1.38E-003	4.00	17.90	27.00	30.24	17.49	18.32	0.00	0.00	0.00	0.30	0.00	107.26	-0.01	0.00	0.00	0.00	17.88	2.04	51.54	0.06	15.62	N/A	N/A	N/A	N/A
192	1.92	1.57	9.27	5.00	1.54E-006	3.39E-003	5.00	21.54	29.00	30.21	18.49	19.50	0.00	0.00	0.00	0.30	0.00	110.30	0.00	0.00	0.00	0.00	17.94	1.69	51.28	0.06	15.72	N/A	N/A	N/A	N/A
193	1.93	1.81	9.46	5.00	2.71E-006	6.68E-003	5.00	24.19	32.00	30.39	19.30	20.45	0.00	0.00	0.00	0.30	0.00	112.69	-0.01	0.00	0.00	0.00	18.17	1.50	52.68	0.06	15.80	N/A	N/A	N/A	N/A
194	1.94	1.75	9.55	5.00	2.32E-006	5.69E-003	5.00	24.03	31.00	30.35	19.17	20.31	0.00	0.00	0.00	0.30	0.00	112.31	-0.01	0.00	0.00	0.00	18.24	1.54	52.39	0.06	15.80	N/A	N/A	N/A	N/A
195	1.95	1.70	9.61	5.00	2.04E-006	4.97E-003	5.00	23.88	31.00	30.33	19.05	20.18	0.00	0.00	0.00	0.30	0.00	111.96	-0.01	0.00	0.00	0.00	18.31	1.59	52.22	0.06	15.79	N/A	N/A	N/A	N/A
196	1.96	1.59	9.84	5.00	1.49E-006	3.32E-003	5.00	21.81	30.00	30.34	18.83	19.95	0.00	0.00	0.00	0.30	0.00	111.30	-0.01	0.00	0.00	0.00	18.41	1.70	52.31	0.06	15.80	N/A	N/A	N/A	N/A
197	1.97	1.57	10.22	5.00	1.34E-006	2.95E-003	5.00	21.53	29.00	30.43	18.95	20.12	0.00	0.00	0.00	0.30	0.00	111.65	-0.01	0.00	0.00	0.00	18.57	1.75	53.00	0.07	15.83	N/A	N/A	N/A	N/A
198	1.98	1.40	10.69	5.00	7.77E-007	1.52E-003	5.00	19.14	28.00	30.64	18.60	19.76	0.00	0.00	0.00	0.30	0.00	110.63	-0.01	0.00	0.00	0.00	18.82	2.02	54.65	0.07	15.84	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
199	1.99	1.35	11.19	5.00	6.23E-007	1.17E-003	5.00	18.44	27.00	30.84	18.65	19.87	0.00	0.00	0.00	0.30	0.00	110.78	-0.02	0.00	0.00	0.00	19.06	2.16	56.22	0.08	15.88	N/A	N/A	N/A	N/A
200	2.00	1.29	12.56	5.00	4.31E-007	7.73E-004	5.00	17.60	27.00	31.30	19.03	20.41	0.00	0.00	0.00	0.30	0.00	111.89	-0.03	0.00	0.00	0.00	19.51	2.42	60.15	0.11	16.00	N/A	N/A	N/A	N/A
201	2.01	1.24	13.27	5.00	3.34E-007	5.75E-004	4.00	16.90	26.00	31.59	19.13	20.59	0.00	0.00	0.00	0.30	0.00	112.20	-0.03	0.00	0.00	0.00	19.83	2.63	62.67	0.14	16.04	N/A	N/A	N/A	N/A
202	2.02	1.19	13.84	5.00	2.61E-007	4.32E-004	4.00	16.19	26.00	31.84	19.16	20.66	0.00	0.00	0.00	0.30	0.00	112.29	-0.04	0.00	0.00	0.00	20.13	2.85	65.03	0.17	16.08	N/A	N/A	N/A	N/A
203	2.03	1.15	14.41	5.00	2.11E-007	3.37E-004	4.00	15.63	25.00	32.08	19.22	20.77	0.00	0.00	0.00	0.30	0.00	112.46	-0.04	0.00	0.00	0.00	20.42	3.05	67.32	0.20	16.11	N/A	N/A	N/A	N/A
204	2.04	1.11	15.13	4.00	1.67E-007	2.57E-004	4.00	15.07	0.00	0.00	0.00	20.94	15.00	71.76	2.19	0.30	6.37	112.78	0.00	1.00	4.98	0.00	71.76	3.30	70.09	0.26	16.15	N/A	N/A	N/A	N/A
205	2.05	1.02	15.95	4.00	1.06E-007	1.50E-004	4.00	13.81	0.00	0.00	0.00	20.87	15.00	65.75	2.00	0.30	5.84	112.48	0.00	1.00	4.33	0.00	65.75	3.83	74.58	0.37	16.18	N/A	N/A	N/A	N/A
206	2.06	1.04	16.65	4.00	1.08E-007	1.54E-004	4.00	14.08	0.00	0.00	0.00	21.32	15.00	67.07	2.03	0.30	5.96	113.48	0.00	1.00	4.23	0.00	67.07	3.82	75.78	0.41	16.24	N/A	N/A	N/A	N/A
207	2.07	1.01	17.37	4.00	8.81E-008	1.23E-004	4.00	13.66	0.00	0.00	0.00	21.49	15.00	65.06	1.96	0.30	5.78	113.81	0.00	1.00	3.93	0.00	65.06	4.07	78.46	0.51	16.28	N/A	N/A	N/A	N/A
208	2.08	0.99	18.00	4.00	7.59E-008	1.03E-004	4.00	13.38	0.00	0.00	0.00	21.66	15.00	63.71	1.91	0.30	5.66	114.15	0.00	1.00	3.72	0.00	63.71	4.27	80.63	0.58	16.31	N/A	N/A	N/A	N/A
209	2.09	0.97	18.60	4.00	6.55E-008	8.75E-005	4.00	13.10	0.00	0.00	0.00	21.81	15.00	62.37	1.86	0.30	5.54	114.45	0.00	1.00	3.52	0.00	62.37	4.48	82.74	0.58	16.34	N/A	N/A	N/A	N/A
210	2.10	0.96	18.41	4.00	6.37E-008	8.41E-005	4.00	12.95	0.00	0.00	0.00	21.67	15.00	61.69	1.83	0.30	5.48	114.12	0.00	1.00	3.52	0.00	61.69	4.52	82.59	0.58	16.32	N/A	N/A	N/A	N/A
211	2.11	0.96	18.29	4.00	6.44E-008	8.50E-005	4.00	12.95	0.00	0.00	0.00	21.61	15.00	61.68	1.82	0.30	5.48	114.00	0.00	1.00	3.54	0.00	61.68	4.51	82.30	0.58	16.32	N/A	N/A	N/A	N/A
212	2.12	0.93	18.13	4.00	5.68E-008	7.25E-005	4.00	12.53	0.00	0.00	0.00	21.36	15.00	59.66	1.75	0.30	5.30	113.40	0.00	1.00	3.46	0.00	59.66	4.69	82.86	0.58	16.29	N/A	N/A	N/A	N/A
213	2.13	0.93	18.01	4.00	5.74E-008	7.33E-005	4.00	12.53	0.00	0.00	0.00	21.30	15.00	59.65	1.74	0.30	5.30	113.28	0.00	1.00	3.48	0.00	59.65	4.67	82.56	0.58	16.29	N/A	N/A	N/A	N/A
214	2.14	0.91	17.92	4.00	5.26E-008	6.56E-005	4.00	12.25	0.00	0.00	0.00	21.14	15.00	58.31	1.70	0.30	5.18	112.89	0.00	1.00	3.42	0.00	58.31	4.81	82.98	0.58	16.27	N/A	N/A	N/A	N/A
215	2.15	0.92	17.73	4.00	5.61E-008	7.09E-005	4.00	12.38	0.00	0.00	0.00	21.11	15.00	58.96	1.71	0.30	5.24	112.85	0.00	1.00	3.49	0.00	58.96	4.71	82.18	0.58	16.26	N/A	N/A	N/A	N/A
216	2.16	0.92	17.61	4.00	5.68E-008	7.16E-005	4.00	12.38	0.00	0.00	0.00	21.06	15.00	58.95	1.70	0.30	5.24	112.73	0.00	1.00	3.52	0.00	58.95	4.69	81.89	0.58	16.26	N/A	N/A	N/A	N/A
217	2.17	0.91	14.58	4.00	7.43E-008	9.26E-005	4.00	12.24	0.00	0.00	0.00	19.56	15.00	58.28	1.67	0.30	5.18	109.39	0.00	1.00	4.20	0.00	58.28	4.30	74.27	0.36	16.03	N/A	N/A	N/A	N/A
218	2.18	0.92	10.18	4.00	1.37E-007	1.73E-004	4.00	12.38	0.00	0.00	0.00	17.24	15.00	58.93	1.68	0.30	5.23	104.04	0.00	1.00	6.08	0.00	58.93	3.52	61.43	0.13	15.62	N/A	N/A	N/A	N/A
219	2.19	0.92	11.72	4.00	1.11E-007	1.39E-004	4.00	12.37	0.00	0.00	0.00	18.12	15.00	58.92	1.68	0.30	5.23	106.11	0.00	1.00	5.28	0.00	58.92	3.78	65.98	0.18	15.79	N/A	N/A	N/A	N/A
220	2.20	0.92	15.42	4.00	7.08E-008	8.93E-005	4.00	12.37	0.00	0.00	0.00	20.03	15.00	58.91	1.67	0.30	5.23	110.45	0.00	1.00	4.01	0.00	58.91	4.37	76.23	0.43	16.10	N/A	N/A	N/A	N/A
221	2.21	0.92	14.03	4.00	8.27E-008	1.04E-004	4.00	12.37	0.00	0.00	0.00	19.34	15.00	58.90	1.66	0.30	5.23	108.90	0.00	1.00	4.41	0.00	58.90	4.16	72.49	0.31	15.99	N/A	N/A	N/A	N/A
222	2.22	0.92	14.29	4.00	8.02E-008	1.01E-004	4.00	12.37	0.00	0.00	0.00	19.47	15.00	58.89	1.65	0.30	5.23	109.20	0.00	1.00	4.33	0.00	58.89	4.20	73.20	0.33	16.01	N/A	N/A	N/A	N/A
223	2.23	0.93	16.21	4.00	6.82E-008	8.69E-005	4.00	12.50	0.00	0.00	0.00	20.46	15.00	59.55	1.66	0.30	5.29	111.44	0.00	1.00	3.86	0.00	59.55	4.42	78.01	0.49	16.16	N/A	N/A	N/A	N/A
224	2.24	0.93	16.81	4.00	6.40E-008	8.16E-005	4.00	12.50	0.00	0.00	0.00	20.74	15.00	59.54	1.66	0.30	5.29	112.05	0.00	1.00	3.72	0.00	59.54	4.51	79.57	0.56	16.21	N/A	N/A	N/A	N/A
225	2.25	0.92	17.31	4.00	5.81E-008	7.31E-005	4.00	12.36	0.00	0.00	0.00	20.91	15.00	58.86	1.63	0.30	5.23	112.41	0.00	1.00	3.57	0.00	58.86	4.66	81.17	0.58	16.24	N/A	N/A	N/A	N/A
226	2.26	0.92	17.31	4.00	5.80E-008	7.31E-005	4.00	12.36	0.00	0.00	0.00	20.91	15.00	58.85	1.62	0.30	5.23	112.41	0.00	1.00	3.57	0.00	58.85	4.66	81.17	0.58	16.24	N/A	N/A	N/A	N/A
227	2.27	0.93	18.09	4.00	5.64E-008	7.18E-005	4.00	12.50	0.00	0.00	0.00	21.33	15.00	59.50	1.63	0.30	5.29	113.32	0.00	1.00	3.45	0.00	59.50	4.70	82.83	0.58	16.29	N/A	N/A	N/A	N/A
228	2.28	0.95	18.26	4.00	6.09E-008	7.93E-005	4.00	12.77	0.00	0.00	0.00	21.52	15.00	60.83	1.66	0.30	5.40	113.78	0.00	1.00	3.50	0.00	60.83	4.59	82.63	0.58	16.31	N/A	N/A	N/A	N/A
229	2.29	0.97	18.26	4.00	6.67E-008	8.87E-005	4.00	13.05	0.00	0.00	0.00	21.64	15.00	62.15	1.69	0.30	5.52	114.07	0.00	1.00	3.57	0.00	62.15	4.46	82.00	0.58	16.32	N/A	N/A	N/A	N/A
230	2.30	0.97	18.16	4.00	6.72E-008	8.94E-005	4.00	13.05	0.00	0.00	0.00	21.60	15.00	62.14	1.68	0.30	5.52	113.97	0.00	1.00	3.59	0.00	62.14	4.44	81.76	0.58	16.31	N/A	N/A	N/A	N/A
231	2.31	0.98	17.94	4.00	7.18E-008	9.65E-005	4.00	13.19	0.00	0.00	0.00	21.56	15.00	62.79	1.69	0.30	5.58	113.90	0.00	1.00	3.68	0.00	62.79	4.35	80.91	0.58	16.30	N/A	N/A	N/A	N/A
232	2.32	0.99	17.56	4.00	7.78E-008	1.06E-004	4.00	13.32	0.00	0.00	0.00	21.44	15.00	63.45	1.70	0.30	5.64	113.66	0.00	1.00	3.79	0.00	63.45	4.24	79.66	0.57	16.28	N/A	N/A	N/A	N/A
233	2.33	0.99	17.12	4.00	8.12E-008	1.10E-004	4.00	13.32	0.00	0.00	0.00	21.23	15.00	63.44	1.69	0.30	5.63	113.22	0.00	1.00	3.89	0.00	63.44	4.18	78.56	0.52	16.25	N/A	N/A	N/A	N/A
234	2.34	0.99	16.71	4.00	8.45E-008	1.15E-004	4.00	13.32	0.00	0.00	0.00	21.04	15.00	63.43	1.69	0.30	5.63	112.79	0.00	1.00	3.99	0.00	63.43	4.13	77.53	0.48	16.22	N/A	N/A	N/A	N/A
235	2.35	0.99	16.24	4.00	8.86E-008	1.20E-004	4.00	13.32	0.00	0.00	0.00	20.81	15.00	63.42	1.68	0.30	5.63	112.30	0.00	1.00	4.10	0.00	63.42	4.07	76.33	0.43	16.19	N/A	N/A	N/A	N/A
236	2.36	0.98	15.00	4.00	9.66E-008	1.30E-004	4.00	13.18	0.00	0.00	0.00	20.15	15.00	62.74	1.65	0.30	5.57	110.83	0.00	1.00	4.39	0.00	62.74	3.95	73.41	0.34	16.09	N/A	N/A	N/A	N/A
237	2.37	0.98	14.38	4.00	1.03E-007	1.39E-004	4.00	13.17	0.00	0.00	0.00	19.84	15.00	62.73	1.65	0.30	5.57	110.13	0.00	1.00	4.58	0.00	62.73	3.86	71.77	0.29	16.05	N/A	N/A	N/A	N/A
238	2.38	0.97	13.68	4.00	1.07E-007	1.42E-004	4.00	13.03	0.00	0.00	0.00	19.42	15.00	62.05	1.62	0.30	5.51	109.18	0.00	1.00	4.76	0.00	62.05	3.82	70.17	0.26	15.98	N/A	N/A	N/A	N/A
239	2.39	0.97	12.99	4.00	1.16E-007	1.55E-004	4.00	13.03	0.00	0.00	0.00	19.06	15.00	62.04	1.62	0.30	5.51	108.36	0.00	1.00	5.01	0.00	62.04	3.72	68.29	0.22	15.93	N/A	N/A	N/A	N/A
240	2.40	0.97	12.36	4.00	1.26E-007	1.67E-004	4.00	13.03	0.00	0.00	0.00	18.72	15.00	62.03	1.61	0.30	5.51	107.59	0.00	1.00	5.27	0.00	62.03	3.62	66.54	0.19	15.87	N/A	N/A	N/A	N/A
241	2.41	0.97	11.35	4.00	1.44E-007	1.91E-004	4.00	13.02	0.00	0.00	0.00	18.16	15.00	62.02	1.60	0.30	5.51	106.29	0.00	1.00	5.74	0.00	62.02	3.47	63.69	0.15	15.77	N/A	N/A	N/A	N/A
242	2.42	0.96	11.07	4.00	1.43E-007	1.88E-004	4.00	12.88	0.00	0.00	0.00	17.95	15.00	61.34	1.58	0.30	5.45	105.78	0.00	1.00	5.82	0.00	61.34	3.48	63.14	0.15	15.74	N/A	N/A	N/A	N/A
243	2.43	0.96	10.72	4.00	1.50E-007	1.97E-004	4.00	12.88	0.00	0.00	0.00	17.75	15.00	61.33	1.57	0.30	5.45	105.31	0.00	1.00	6.01	0.00	61.33	3.42	62.13	0.13	15.70	N/A	N/A	N/A	N/A
244	2.44	0.96	10.40	5.00	1.57E-007	2.06E-004	4.00	12.88	23.00	31.42	16.71	17.56	0.00	0.00	0.00	0.30	0.00	104.87	-0.03	0.00	0.00	0.00	23.94	3.37	61.19	0.12	15.67	N/A	N/A	N/A	N/A
245	2.45	0.95	10.18	5.00	1.55E-007	2.01E-004	4.00	12.73	23.00	31.38	16.57	17.38	0.00	0.00	0.00	0.30	0.00	104.42	-0.03	0.00	0.00	0.00	23.99	3.39	60.79	0.12	15.64	N/A	N/A	N/A	N/A
246	2.46	0.96	10.10	5.00	1.64E-007	2.15E-004	4.00	12.87	23.00	31.32	16.58	17.38	0.00	0.00	0.00	0.30	0.00	104.44	-0.03	0.00	0.00	0.00	24.04	3.32	60.31	0.12	15.63	N/A	N/A	N/A	N/A
247	2.47	0.96	10.03	5.00	1.65E-007	2.17E-004	4.00	12.87	23.00	31.30	16.55	17.34	0.00	0.00	0.00	0.30	0.00	104.34	-0.03	0.00	0.00	0.00	24.11	3.31	60.11	0.11	15.62	N/A	N/A	N/A	N/A
248	2.48	0.98	9.96	5.00	1.83E-007	2.45E-004	4.00	13.15	23.00	31.22	16.60	17.40	0.00	0.00	0.00	0.30	0.00	104.52	-0.03	0.00	0.00	0.00	24.13	3.21	59.43	0.11	15.62	N/A	N/A	N/A	N/A
249	2.49	0.99	9.87	5.00	1.93E-007	2.62E-004	4.00	13.29	23.00	31.16	16.61	17.39	0.00	0.00	0.00	0.30	0.00	104.53	-0.02	0.00	0.00	0.00	24.17	3.15	58.94	0.10	15.62	N/A	N/A	N/A	N/A
250	2.50	1.02	9.77	5.00	2.23E-007	3.12E-004	4.00	13.70	23.00	31.05	16.69	17.48	0.00	0.00	0.00	0.30	0.00	104.79	-0.02	0.00	0.00	0.00	24.16	3.00	57.99	0.10	15.62	N/A	N/A	N/A	N/A
251	2.51	1.05	9.63	5.00	2.58E-007	3.71E-004	4.00	14.12	24.00	30.93	16.75	17.54	0.00	0.00	0.00	0.30	0.00	104.99	-0.02	0.00	0.00	0.00	24.13	2.86	56.97	0.09	15.61	N/A	N/A	N/A	N/A
252	2.52	1.02	9.56	5.00	2.30E-007	3.21E-004	4.00	13.70	23.00	30.98	16.59	17.35	0.00	0.00	0.00	0.30	0.00	104.49	-0.02	0.00	0.00	0.00	24.28	2.97	57.39	0.09	15.59	N/A	N/A	N/A	N/A
253	2.53	1.03	9.36	5.00	2.47E-007	3.49E-004	4.00	13.84	24.00	30.88	16.54	17.28	0.00	0.00	0.00	0.30	0.00	104.33	-0.02	0.00	0.00	0.00	24.28	2.90	56.60	0.09	15.57	N/A	N/A	N/A	N/A
254	2.54	1.02	9.40	5.00	2.35E-007	3.29E-004	4.00	13.70	23.00	30.92	16.52	17.25	0.00	0.00	0.00	0.30	0.00	104.25	-0.02	0.00	0.00	0.00	24.41	2.95	56.93	0.09	15.57	N/A	N/A	N/A	N/A
255	2.55	1.05	9.36	5.00	2.68E-007	3.86E-004	4.00	14.11	24.00	30.84	16.63	17.37	0.00	0.00	0.00	0.30	0.00	104.59	-0.02	0.00	0.00	0.00	24.42	2.82	56.21	0.08	15.58	N/A	N/A	N/A	N/A
256	2.56	1.05	9.40	5.00	2.66E-007	3.83E-004	4.00	14.11	24.00	30.85	16.64	17.40	0.00	0.00	0.00	0.30	0.00	104.64	-0.02	0.00	0.00	0.00	24.53	2.83	56.32	0.08	15.58	N/A	N/A	N/A	N/A
257	2.57	1.09	9.42	5.00	3.12E-007	4.66E-004	4.00	14.67	24.00	30.77	16.82	17.60	0.00	0.00	0.00	0.30	0.00	105.19	-0.02	0.00	0.00	0.00	24.54	2.69	55.63	0.08	15.60	N/A	N/A	N/A	N/A
258	2.58	1.12	9.45	5.00	3.48E-007	5.36E-004	4.00	15.09	25.00	30.71	16.95	17.75	0.00	0.00	0.00	0.30	0.00	105.61	-0.01	0.00	0.00	0.00	24.58	2.59	55.19	0.08	15.61	N/A	N/A	N/A	N/A
259	2.59	1.13	9.49	5.00	3.59E-007	5.58E-004	4.00	15.23	25.00	30.70	17.01	17.82	0.00	0.00	0.00	0.30	0.00	105.79	-0.01	0.00	0.00	0.00	24.66	2.57	55.13	0.08	15.62	N/A	N/A	N/A	N/A
260	2.60	1.15	9.58	5.00	3.82E-007	6.04E-004	4.00	15.50	25.00	30.69	17.13	17.97	0.00	0.00	0.00	0.30	0.00	106.16	-0.01	0.00	0.00	0.00	24.74	2.52	55.05	0.08	15.64	N/A	N/A	N/A	N/A
261	2.61	1.23	9.65	5.00	4.99E-007	8.45E-004	4.00	16.62	26.00	30.57	17.50	18.40	0.00	0.00	0.00	0.30	0.00	107.30	-0.01	0.00	0.00	0.00	24.71	2.31	54.05	0.07	15.67	N/A	N/A	N/A	N/A
262	2.62	1.25	9.77	5.00	5.18E-007	8.93E-004	4.00	16.90	26.00	30.57	17.67	18.60	0.00	0.00	0.00	0.30	0.00	107.82	-0.01	0.00	0.00	0.00	24.81	2.29	54.06	0.07	15.70	N/A	N/A	N/A	N/A
263	2.63	1.27	9.87	5.00	5.40E-007	9.45E-004	4.00	17.18	26.00	30.56	17.83	18.79	0.00	0.00	0.00	0.30	0.00	108.31	-0.01	0.00	0.00	0.00	24.89	2.26	54.02	0.07	15.71	N/A	N/A	N/A	N/A
264	2.64	1.25	10.03	5.00	4.94E-007	8.51E-004	4.00	16.89	26.00	30.65	17.82	18.79	0.00	0.00	0.00	0.30	0.00	108.28	-0.01	0.00	0.00	0.00	25.07	2.32	54.67	0.07	15.73	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
265	2.65	1.27	10.15	5.00	5.13E-007	8.98E-004	4.00	17.17	26.00	30.65	17.99	19.00	0.00	0.00	0.00	0.30	0.00	108.79	-0.01	0.00	0.00	0.00	25.16	2.29	54.67	0.07	15.75	N/A	N/A	N/A	N/A
266	2.66	1.29	10.23	5.00	5.35E-007	9.52E-004	4.00	17.45	26.00	30.63	18.14	19.17	0.00	0.00	0.00	0.30	0.00	109.25	-0.01	0.00	0.00	0.00	25.24	2.26	54.58	0.07	15.76	N/A	N/A	N/A	N/A
267	2.67	1.31	10.40	5.00	5.52E-007	9.97E-004	4.00	17.73	26.00	30.65	18.33	19.40	0.00	0.00	0.00	0.30	0.00	109.81	-0.01	0.00	0.00	0.00	25.35	2.24	54.71	0.07	15.78	N/A	N/A	N/A	N/A
268	2.68	1.35	10.59	5.00	6.00E-007	1.12E-003	5.00	18.29	27.00	30.64	18.62	19.75	0.00	0.00	0.00	0.30	0.00	110.69	-0.01	0.00	0.00	0.00	25.44	2.19	54.64	0.07	15.82	N/A	N/A	N/A	N/A
269	2.69	1.37	10.75	5.00	6.18E-007	1.17E-003	5.00	18.56	27.00	30.66	18.80	19.98	0.00	0.00	0.00	0.30	0.00	111.23	-0.01	0.00	0.00	0.00	25.55	2.17	54.75	0.08	15.84	N/A	N/A	N/A	N/A
270	2.70	1.42	10.85	5.00	6.95E-007	1.36E-003	5.00	19.26	27.00	30.61	19.10	20.32	0.00	0.00	0.00	0.30	0.00	112.10	-0.01	0.00	0.00	0.00	25.60	2.09	54.41	0.07	15.86	N/A	N/A	N/A	N/A
271	2.71	1.45	11.06	5.00	7.29E-007	1.46E-003	5.00	19.68	27.00	30.63	19.35	20.63	0.00	0.00	0.00	0.30	0.00	112.83	-0.01	0.00	0.00	0.00	25.71	2.06	54.55	0.07	15.89	N/A	N/A	N/A	N/A
272	2.72	1.50	11.10	5.00	8.19E-007	1.70E-003	5.00	20.38	28.00	30.58	19.61	20.93	0.00	0.00	0.00	0.30	0.00	113.60	-0.01	0.00	0.00	0.00	25.75	1.99	54.16	0.07	15.91	N/A	N/A	N/A	N/A
273	2.73	1.53	11.45	5.00	8.43E-007	1.79E-003	5.00	20.80	28.00	30.64	19.91	21.31	0.00	0.00	0.00	0.30	0.00	114.47	-0.01	0.00	0.00	0.00	25.91	1.98	54.62	0.07	15.96	N/A	N/A	N/A	N/A
274	2.74	1.56	11.57	5.00	8.86E-007	1.92E-003	5.00	21.21	28.00	30.64	20.13	21.57	0.00	0.00	0.00	0.30	0.00	115.08	-0.01	0.00	0.00	0.00	26.00	1.95	54.59	0.07	15.97	N/A	N/A	N/A	N/A
275	2.75	1.60	11.70	5.00	9.55E-007	2.12E-003	5.00	21.77	29.00	30.63	20.38	21.87	0.00	0.00	0.00	0.30	0.00	115.80	-0.01	0.00	0.00	0.00	26.09	1.91	54.54	0.07	16.00	N/A	N/A	N/A	N/A
276	2.76	1.63	11.76	5.00	1.01E-006	2.29E-003	5.00	22.19	29.00	30.62	20.56	22.08	0.00	0.00	0.00	0.30	0.00	116.31	-0.01	0.00	0.00	0.00	26.17	1.88	54.44	0.07	16.01	N/A	N/A	N/A	N/A
277	2.77	1.65	11.63	5.00	1.07E-006	2.44E-003	5.00	22.47	29.00	30.57	20.62	22.13	0.00	0.00	0.00	0.30	0.00	116.46	-0.01	0.00	0.00	0.00	26.21	1.85	54.05	0.07	16.00	N/A	N/A	N/A	N/A
278	2.78	1.68	11.57	5.00	1.14E-006	2.66E-003	5.00	22.89	29.00	30.53	20.74	22.26	0.00	0.00	0.00	0.30	0.00	116.82	-0.01	0.00	0.00	0.00	26.27	1.82	53.77	0.07	16.00	N/A	N/A	N/A	N/A
279	2.79	1.74	11.06	5.00	1.37E-006	3.32E-003	5.00	23.72	29.00	30.38	20.80	22.27	0.00	0.00	0.00	0.30	0.00	116.99	-0.01	0.00	0.00	0.00	26.21	1.74	52.63	0.06	15.96	N/A	N/A	N/A	N/A
280	2.80	1.80	11.23	5.00	1.52E-006	3.80E-003	6.00	24.56	30.00	30.40	21.14	22.68	0.00	0.00	0.00	0.30	0.00	117.94	-0.01	0.00	0.00	0.00	26.32	1.69	52.78	0.06	16.00	N/A	N/A	N/A	N/A
281	2.81	1.85	11.47	5.00	1.63E-006	4.19E-003	6.00	25.26	30.00	30.44	21.47	23.08	0.00	0.00	0.00	0.30	0.00	118.85	-0.01	0.00	0.00	0.00	26.46	1.67	53.10	0.07	16.03	N/A	N/A	N/A	N/A
282	2.82	1.92	11.77	5.00	1.80E-006	4.82E-003	6.00	26.24	31.00	30.50	21.90	23.61	0.00	0.00	0.00	0.30	0.00	120.03	-0.01	0.00	0.00	0.00	26.61	1.63	53.53	0.07	16.07	N/A	N/A	N/A	N/A
283	2.83	1.99	12.05	5.00	1.99E-006	5.67E-003	6.00	27.96	31.00	30.56	22.31	24.11	0.00	0.00	0.00	0.30	0.00	121.16	-0.01	0.00	0.00	0.00	26.77	1.59	53.98	0.07	16.11	N/A	N/A	N/A	N/A
284	2.84	2.04	12.09	5.00	2.16E-006	6.22E-003	6.00	28.25	31.00	30.57	22.54	24.39	0.00	0.00	0.00	0.30	0.00	121.79	-0.01	0.00	0.00	0.00	26.88	1.57	54.09	0.07	16.13	N/A	N/A	N/A	N/A
285	2.85	2.12	12.25	5.00	2.44E-006	7.15E-003	6.00	28.75	32.00	30.62	22.94	24.86	0.00	0.00	0.00	0.30	0.00	122.84	-0.01	0.00	0.00	0.00	27.03	1.53	54.50	0.07	16.16	N/A	N/A	N/A	N/A
286	2.86	2.23	12.35	5.00	2.90E-006	8.68E-003	7.00	29.34	33.00	30.69	23.41	25.41	0.00	0.00	0.00	0.30	0.00	124.10	-0.01	0.00	0.00	0.00	27.20	1.48	55.05	0.08	16.19	N/A	N/A	N/A	N/A
287	2.87	2.28	12.41	5.00	3.11E-006	9.40E-003	7.00	29.62	33.00	30.73	23.63	25.68	0.00	0.00	0.00	0.30	0.00	124.70	-0.02	0.00	0.00	0.00	27.34	1.46	55.33	0.08	16.20	N/A	N/A	N/A	N/A
288	2.88	2.36	12.39	5.00	3.53E-006	1.08E-002	7.00	30.00	33.00	30.78	23.93	26.02	0.00	0.00	0.00	0.30	0.00	125.49	-0.02	0.00	0.00	0.00	27.49	1.44	55.74	0.08	16.21	N/A	N/A	N/A	N/A
289	2.89	2.41	12.46	5.00	3.77E-006	1.16E-002	7.00	30.28	34.00	30.82	24.16	26.29	0.00	0.00	0.00	0.30	0.00	126.08	-0.02	0.00	0.00	0.00	27.63	1.42	56.10	0.08	16.23	N/A	N/A	N/A	N/A
290	2.90	2.45	12.57	5.00	3.94E-006	1.23E-002	7.00	30.54	34.00	30.86	24.37	26.55	0.00	0.00	0.00	0.30	0.00	126.63	-0.02	0.00	0.00	0.00	27.77	1.41	56.44	0.09	16.24	N/A	N/A	N/A	N/A
291	2.91	2.51	12.86	5.00	4.17E-006	1.32E-002	7.00	30.99	34.00	30.95	24.72	26.99	0.00	0.00	0.00	0.30	0.00	127.54	-0.02	0.00	0.00	0.00	27.96	1.40	57.12	0.09	16.28	N/A	N/A	N/A	N/A
292	2.92	2.32	13.32	5.00	2.95E-006	9.16E-003	7.00	30.43	33.00	30.84	24.28	26.53	0.00	0.00	0.00	0.30	0.00	126.39	-0.02	0.00	0.00	0.00	27.95	1.48	56.27	0.08	16.29	N/A	N/A	N/A	N/A
293	2.93	2.37	13.59	5.00	3.10E-006	9.75E-003	7.00	30.83	33.00	30.91	24.59	26.92	0.00	0.00	0.00	0.30	0.00	127.21	-0.02	0.00	0.00	0.00	28.11	1.47	56.79	0.09	16.32	N/A	N/A	N/A	N/A
294	2.94	2.42	13.78	5.00	3.28E-006	1.04E-002	7.00	31.17	34.00	30.96	24.87	27.27	0.00	0.00	0.00	0.30	0.00	127.93	-0.02	0.00	0.00	0.00	28.27	1.45	57.22	0.09	16.34	N/A	N/A	N/A	N/A
295	2.95	2.70	13.93	6.00	4.85E-006	1.61E-002	8.00	32.47	35.00	31.22	25.91	28.49	0.00	0.00	0.00	0.30	0.00	130.55	-0.03	0.00	0.00	0.00	28.66	1.37	59.39	0.11	16.40	N/A	N/A	N/A	N/A
296	2.96	3.06	14.09	6.00	7.59E-006	2.63E-002	8.00	34.00	37.00	31.62	27.13	29.95	0.00	0.00	0.00	0.30	0.00	133.61	-0.03	0.00	0.00	0.00	29.22	1.31	63.01	0.14	16.46	N/A	N/A	N/A	N/A
297	2.97	3.17	14.20	6.00	8.53E-006	3.00E-002	8.00	34.51	38.00	31.75	27.53	30.44	0.00	0.00	0.00	0.30	0.00	134.60	-0.04	0.00	0.00	0.00	29.47	1.30	64.20	0.16	16.48	N/A	N/A	N/A	N/A
298	2.98	3.60	14.97	6.00	1.28E-005	4.75E-002	9.00	36.50	40.00	32.29	29.12	32.41	0.00	0.00	0.00	0.30	0.00	138.42	-0.05	0.00	0.00	0.00	30.20	1.26	69.46	0.24	16.59	N/A	N/A	N/A	N/A
299	2.99	3.67	16.21	6.00	1.24E-005	4.73E-002	9.00	37.42	40.00	32.44	29.86	33.43	0.00	0.00	0.00	0.30	0.00	140.16	-0.05	0.00	0.00	0.00	30.47	1.26	70.93	0.28	16.69	N/A	N/A	N/A	N/A
300	3.00	3.54	17.03	6.00	1.01E-005	3.86E-002	9.00	37.42	40.00	32.33	29.86	33.51	0.00	0.00	0.00	0.30	0.00	140.16	-0.05	0.00	0.00	0.00	30.46	1.28	69.88	0.25	16.73	N/A	N/A	N/A	N/A
301	3.01	3.60	17.85	6.00	1.01E-005	3.92E-002	9.00	38.08	40.00	32.44	30.38	34.22	0.00	0.00	0.00	0.30	0.00	141.39	-0.05	0.00	0.00	0.00	30.69	1.28	70.95	0.28	16.79	N/A	N/A	N/A	N/A
302	3.02	3.64	17.96	6.00	1.04E-005	4.06E-002	10.00	38.31	40.00	32.48	30.57	34.45	0.00	0.00	0.00	0.30	0.00	141.81	-0.05	0.00	0.00	0.00	30.84	1.28	71.35	0.28	16.81	N/A	N/A	N/A	N/A
303	3.03	3.64	18.02	6.00	1.03E-005	4.02E-002	10.00	38.37	40.00	32.47	30.62	34.52	0.00	0.00	0.00	0.30	0.00	141.93	-0.05	0.00	0.00	0.00	30.94	1.28	71.28	0.28	16.81	N/A	N/A	N/A	N/A
304	3.04	3.59	18.89	6.00	9.13E-006	3.60E-002	10.00	38.66	40.00	32.46	30.85	34.88	0.00	0.00	0.00	0.30	0.00	142.46	-0.05	0.00	0.00	0.00	31.03	1.29	71.15	0.28	16.86	N/A	N/A	N/A	N/A
305	3.05	3.52	20.13	6.00	7.74E-006	3.08E-002	9.00	39.04	39.00	32.45	31.15	35.36	0.00	0.00	0.00	0.30	0.00	143.16	-0.05	0.00	0.00	0.00	31.13	1.31	71.04	0.28	16.92	N/A	N/A	N/A	N/A
306	3.06	3.24	21.58	6.00	5.10E-006	2.01E-002	9.00	38.71	38.00	32.26	30.89	35.16	0.00	0.00	0.00	0.30	0.00	142.56	-0.05	0.00	0.00	0.00	31.02	1.37	69.18	0.24	16.97	N/A	N/A	N/A	N/A
307	3.07	3.27	22.98	6.00	4.80E-006	1.93E-002	9.00	39.50	38.00	32.38	31.51	36.03	0.00	0.00	0.00	0.30	0.00	143.99	-0.05	0.00	0.00	0.00	31.26	1.38	70.34	0.26	17.05	N/A	N/A	N/A	N/A
308	3.08	3.12	25.25	5.00	3.47E-006	1.41E-002	9.00	39.93	38.00	32.43	31.86	36.62	0.00	0.00	0.00	0.30	0.00	144.78	-0.05	0.00	0.00	0.00	31.44	1.44	70.90	0.27	17.14	N/A	N/A	N/A	N/A
309	3.09	2.96	26.51	5.00	2.61E-006	1.06E-002	9.00	39.84	37.00	32.46	31.79	36.61	0.00	0.00	0.00	0.30	0.00	144.62	-0.05	0.00	0.00	0.00	31.57	1.51	71.14	0.28	17.17	N/A	N/A	N/A	N/A
310	3.10	2.94	26.99	5.00	2.46E-006	1.00E-002	9.00	39.99	37.00	32.49	31.91	36.79	0.00	0.00	0.00	0.30	0.00	144.89	-0.05	0.00	0.00	0.00	31.72	1.53	71.43	0.29	17.19	N/A	N/A	N/A	N/A
311	3.11	2.70	27.45	5.00	1.71E-006	6.47E-003	8.00	37.10	35.00	32.49	31.25	36.01	0.00	0.00	0.00	0.30	0.00	143.39	-0.05	0.00	0.00	0.00	31.84	1.65	71.52	0.29	17.18	N/A	N/A	N/A	N/A
312	3.12	2.61	27.67	5.00	1.47E-006	5.37E-003	8.00	35.83	35.00	32.52	31.03	35.74	0.00	0.00	0.00	0.30	0.00	142.87	-0.05	0.00	0.00	0.00	31.98	1.71	71.82	0.30	17.18	N/A	N/A	N/A	N/A
313	3.13	2.49	28.31	5.00	1.17E-006	4.08E-003	8.00	34.15	34.00	32.63	30.81	35.50	0.00	0.00	0.00	0.30	0.00	142.37	-0.05	0.00	0.00	0.00	32.22	1.81	72.91	0.32	17.18	N/A	N/A	N/A	N/A
314	3.14	2.32	29.22	5.00	8.38E-007	2.71E-003	8.00	31.77	33.00	32.83	30.45	35.11	0.00	0.00	0.00	0.30	0.00	141.54	-0.06	0.00	0.00	0.00	32.58	1.98	75.10	0.39	17.19	N/A	N/A	N/A	N/A
315	3.15	2.33	29.75	5.00	8.23E-007	2.68E-003	8.00	31.90	33.00	32.88	30.68	35.42	0.00	0.00	0.00	0.30	0.00	142.08	-0.06	0.00	0.00	0.00	32.76	1.99	75.67	0.41	17.21	N/A	N/A	N/A	N/A
316	3.16	2.13	30.36	5.00	5.54E-007	1.64E-003	7.00	29.10	32.00	33.14	30.06	34.68	0.00	0.00	0.00	0.30	0.00	140.63	-0.07	0.00	0.00	0.00	33.20	2.24	78.59	0.52	17.20	N/A	N/A	N/A	N/A
317	3.17	1.93	26.61	5.00	4.60E-007	1.23E-003	7.00	26.30	30.00	32.88	28.10	32.06	0.00	0.00	0.00	0.30	0.00	135.96	-0.06	0.00	0.00	0.00	32.97	2.37	75.60	0.41	17.01	N/A	N/A	N/A	N/A
318	3.18	1.79	27.18	5.00	3.27E-007	8.12E-004	6.00	24.33	29.00	33.16	27.65	31.54	0.00	0.00	0.00	0.30	0.00	134.88	-0.07	0.00	0.00	0.00	33.45	2.65	78.80	0.53	17.01	N/A	N/A	N/A	N/A
319	3.19	1.73	27.81	5.00	2.73E-007	6.55E-004	6.00	23.49	29.00	33.35	27.58	31.48	0.00	0.00	0.00	0.30	0.00	134.70	-0.07	0.00	0.00	0.00	33.80	2.81	80.99	0.63	17.02	N/A	N/A	N/A	N/A
320	3.20	1.71	28.38	5.00	2.51E-007	5.94E-004	6.00	23.21	29.00	33.46	27.67	31.63	0.00	0.00	0.00	0.30	0.00	134.93	-0.07	0.00	0.00	0.00	34.06	2.89	82.35	0.66	17.04	N/A	N/A	N/A	N/A
321	3.21	1.70	28.41	5.00	2.43E-007	5.72E-004	6.00	23.07	28.00	33.48	27.66	31.61	0.00	0.00	0.00	0.30	0.00	134.90	-0.07	0.00	0.00	0.00	34.20	2.92	82.57	0.66	17.04	N/A	N/A	N/A	N/A
322	3.22	1.71	28.98	5.00	2.39E-007	5.66E-004	6.00	23.21	28.00	33.54	27.90	31.94	0.00	0.00	0.00	0.30	0.00	135.49	-0.07	0.00	0.00	0.00	34.39	2.93	83.31	0.66	17.07	N/A	N/A	N/A	N/A
323	3.23	1.73	28.91	5.00	2.50E-007	5.99E-004	6.00	23.48	29.00	33.50	28.01	32.06	0.00	0.00	0.00	0.30	0.00	135.76	-0.07	0.00	0.00	0.00	34.44	2.89	82.74	0.66	17.07	N/A	N/A	N/A	N/A
324	3.24	1.73	29.04	5.00	2.47E-007	5.91E-004	6.00	23.48	29.00	33.51	28.08	32.15	0.00	0.00	0.00	0.30	0.00	135.92	-0.07	0.00	0.00	0.00	34.57	2.90	82.92	0.66	17.07	N/A	N/A	N/A	N/A
325	3.25	1.74	29.70	5.00	2.42E-007	5.83E-004	6.00	23.62	29.00	33.58	28.34	32.51	0.00	0.00	0.00	0.30	0.00	136.56	-0.07	0.00	0.00	0.00	34.78	2.92	83.80	0.66	17.10	N/A	N/A	N/A	N/A
326	3.26	1.74	32.22	4.00	2.10E-007	5.06E-004	7.00	23.62	0.00	0.00	0.00	33.53	15.00	112.46	2.14	0.30	8.62	138.31	0.00	1.00	3.66	0.00	112.46	3.06	88.00	0.58	17.19	N/A	N/A	N/A	N/A
327	3.27	1.76	33.45	4.00	2.05E-007	5.00E-004	7.00	23.89	0.00	0.00	0.00	34.16	15.00	113.78	2.16	0.30	8.71	139.42	0.00	1.00	3.57	0.00	113.78	3.08	89.54	0.58	17.24	N/A	N/A	N/A	N/A
328	3.28	1.77	34.53	4.00	1.98E-007	4.85E-004	7.00	24.03	0.00	0.00	0.00	34.67	15.00	114.44	2.16	0.30	8.75	140.29	0.00	1.00	3.48	0.00	114.44	3.12	91.05	0.58	17.28	N/A	N/A	N/A	N/A
329	3.29	1.81	35.70	4.00	2.03E-007	5.10E-004	7.00	24.59	0.00	0.00	0.00	35.39	15.00	117.10	2.21	0.30	8.92	141.55	0.00	1.00	3.44	0.00	117.10	3.09	91.98	0.58	17.33	N/A	N/A	N/A	N/A
330	3.30	1.93	37.77	5.00	2.38E-007	6.37E-004	7.00	26.27	30.00	34.27	31.62	36.94	0.00	0.00	0.00	0.30	0.00	144.24	-0.09	0.00	0.00	0.00	36.28	2.94	92.54	0.68	17.42	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data								Estimations																			
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
331	3.31	1.99	39.29	5.00	2.50E-007	6.91E-004	7.00	27.11	30.00	34.34	32.34	37.90	0.00	0.00	0.00	0.30	0.00	145.86	-0.09	0.00	0.00	0.00	36.50	2.89	93.53	0.68	17.47	N/A	N/A	N/A	N/A
332	3.32	2.13	40.26	5.00	3.14E-007	9.30E-004	8.00	29.07	31.00	34.24	33.28	39.12	0.00	0.00	0.00	0.30	0.00	147.97	-0.09	0.00	0.00	0.00	36.47	2.68	92.14	0.68	17.53	N/A	N/A	N/A	N/A
333	3.33	2.21	41.21	5.00	3.48E-007	1.07E-003	8.00	30.18	32.00	34.23	33.92	39.97	0.00	0.00	0.00	0.30	0.00	149.39	-0.09	0.00	0.00	0.00	36.58	2.60	91.99	0.68	17.57	N/A	N/A	N/A	N/A
334	3.34	2.32	41.65	5.00	4.13E-007	1.34E-003	8.00	31.72	32.00	34.13	34.56	40.79	0.00	0.00	0.00	0.30	0.00	150.79	-0.09	0.00	0.00	0.00	36.57	2.46	90.72	0.68	17.60	N/A	N/A	N/A	N/A
335	3.35	2.38	52.38	5.00	3.04E-007	1.01E-003	9.00	32.56	33.00	35.05	37.50	44.95	0.00	0.00	0.00	0.30	0.00	157.07	-0.11	0.00	0.00	0.00	37.96	2.71	103.63	0.70	17.87	N/A	N/A	N/A	N/A
336	3.36	2.41	43.04	5.00	4.50E-007	1.51E-003	8.00	32.98	33.00	34.16	35.38	41.89	0.00	0.00	0.00	0.30	0.00	152.57	-0.09	0.00	0.00	0.00	36.84	2.39	91.07	0.68	17.65	N/A	N/A	N/A	N/A
337	3.37	2.43	43.45	5.00	4.55E-007	1.54E-003	8.00	33.25	33.00	34.17	35.60	42.19	0.00	0.00	0.00	0.30	0.00	153.05	-0.09	0.00	0.00	0.00	36.98	2.38	91.26	0.68	17.67	N/A	N/A	N/A	N/A
338	3.38	2.52	43.98	5.00	5.13E-007	1.80E-003	9.00	34.51	34.00	34.12	36.16	42.91	0.00	0.00	0.00	0.30	0.00	154.24	-0.09	0.00	0.00	0.00	37.04	2.30	90.62	0.68	17.69	N/A	N/A	N/A	N/A
339	3.39	2.59	44.11	5.00	5.66E-007	2.05E-003	9.00	35.49	34.00	34.06	36.52	43.37	0.00	0.00	0.00	0.30	0.00	155.00	-0.08	0.00	0.00	0.00	37.07	2.23	89.84	0.68	17.71	N/A	N/A	N/A	N/A
340	3.40	2.57	43.79	5.00	5.53E-007	1.98E-003	9.00	35.21	34.00	34.05	36.39	43.19	0.00	0.00	0.00	0.30	0.00	154.73	-0.08	0.00	0.00	0.00	37.17	2.24	89.64	0.68	17.70	N/A	N/A	N/A	N/A
341	3.41	2.77	43.29	5.00	7.59E-007	2.94E-003	9.00	38.01	35.00	33.83	37.09	44.06	0.00	0.00	0.00	0.30	0.00	156.22	-0.08	0.00	0.00	0.00	36.99	2.04	86.87	0.67	17.71	N/A	N/A	N/A	N/A
342	3.42	2.85	42.16	5.00	8.86E-007	3.53E-003	9.00	39.12	35.00	33.68	37.13	44.06	0.00	0.00	0.00	0.30	0.00	156.30	-0.08	0.00	0.00	0.00	36.89	1.95	84.92	0.67	17.69	N/A	N/A	N/A	N/A
343	3.43	2.95	38.09	5.00	1.20E-006	4.96E-003	9.00	40.52	36.00	33.27	36.39	42.94	0.00	0.00	0.00	0.30	0.00	154.74	-0.07	0.00	0.00	0.00	36.44	1.80	80.01	0.58	17.59	N/A	N/A	N/A	N/A
344	3.44	2.92	36.98	5.00	1.20E-006	4.92E-003	9.00	40.10	35.00	33.17	36.00	42.38	0.00	0.00	0.00	0.30	0.00	153.90	-0.07	0.00	0.00	0.00	36.42	1.80	78.93	0.53	17.55	N/A	N/A	N/A	N/A
345	3.45	2.83	35.66	5.00	1.12E-006	4.44E-003	9.00	38.84	35.00	33.08	35.31	41.44	0.00	0.00	0.00	0.30	0.00	152.43	-0.06	0.00	0.00	0.00	36.41	1.83	77.88	0.49	17.50	N/A	N/A	N/A	N/A
346	3.46	2.78	34.02	5.00	1.12E-006	4.36E-003	9.00	38.13	35.00	32.94	34.67	40.55	0.00	0.00	0.00	0.30	0.00	151.04	-0.06	0.00	0.00	0.00	36.32	1.83	76.29	0.43	17.44	N/A	N/A	N/A	N/A
347	3.47	2.81	30.30	5.00	1.40E-006	5.52E-003	9.00	38.55	35.00	32.56	33.66	39.07	0.00	0.00	0.00	0.30	0.00	148.82	-0.05	0.00	0.00	0.00	35.91	1.73	72.16	0.30	17.31	N/A	N/A	N/A	N/A
348	3.48	2.86	28.98	5.00	1.61E-006	6.43E-003	9.00	39.25	35.00	32.41	33.44	38.72	0.00	0.00	0.00	0.30	0.00	148.34	-0.05	0.00	0.00	0.00	35.82	1.67	70.67	0.27	17.26	N/A	N/A	N/A	N/A
349	3.49	3.01	28.06	5.00	2.06E-006	8.86E-003	9.00	42.22	35.00	32.32	33.68	38.96	0.00	0.00	0.00	0.30	0.00	148.87	-0.05	0.00	0.00	0.00	35.80	1.58	69.77	0.25	17.25	N/A	N/A	N/A	N/A
350	3.50	3.08	26.36	5.00	2.47E-006	1.05E-002	9.00	41.82	36.00	32.18	33.37	38.45	0.00	0.00	0.00	0.30	0.00	148.17	-0.05	0.00	0.00	0.00	35.72	1.53	68.35	0.22	17.18	N/A	N/A	N/A	N/A
351	3.51	3.12	25.38	5.00	2.74E-006	1.16E-002	9.00	41.59	36.00	32.10	33.18	38.16	0.00	0.00	0.00	0.30	0.00	147.76	-0.04	0.00	0.00	0.00	35.72	1.50	67.58	0.21	17.14	N/A	N/A	N/A	N/A
352	3.52	3.14	23.43	5.00	3.14E-006	1.31E-002	9.00	40.83	36.00	31.94	32.57	37.26	0.00	0.00	0.00	0.30	0.00	146.40	-0.04	0.00	0.00	0.00	35.60	1.46	66.00	0.18	17.05	N/A	N/A	N/A	N/A
353	3.53	3.12	22.39	5.00	3.26E-006	1.34E-002	9.00	40.30	36.00	31.83	32.15	36.66	0.00	0.00	0.00	0.30	0.00	145.45	-0.04	0.00	0.00	0.00	35.56	1.45	64.98	0.17	17.00	N/A	N/A	N/A	N/A
354	3.54	2.92	21.76	5.00	2.60E-006	1.04E-002	9.00	39.22	35.00	31.67	31.30	35.56	0.00	0.00	0.00	0.30	0.00	143.49	-0.03	0.00	0.00	0.00	35.43	1.51	63.46	0.15	16.94	N/A	N/A	N/A	N/A
355	3.55	2.72	20.56	5.00	2.12E-006	8.19E-003	8.00	37.84	33.00	31.47	30.20	34.12	0.00	0.00	0.00	0.30	0.00	140.95	-0.03	0.00	0.00	0.00	35.27	1.57	61.67	0.13	16.85	N/A	N/A	N/A	N/A
356	3.56	2.64	20.13	5.00	1.94E-006	7.37E-003	8.00	37.32	33.00	31.40	29.78	33.58	0.00	0.00	0.00	0.30	0.00	139.98	-0.03	0.00	0.00	0.00	35.27	1.60	61.04	0.12	16.81	N/A	N/A	N/A	N/A
357	3.57	2.70	19.90	5.00	2.14E-006	8.18E-003	8.00	37.51	33.00	31.38	29.93	33.74	0.00	0.00	0.00	0.30	0.00	140.32	-0.03	0.00	0.00	0.00	35.34	1.57	60.85	0.12	16.81	N/A	N/A	N/A	N/A
358	3.58	2.77	19.14	5.00	2.49E-006	9.50E-003	8.00	37.47	34.00	31.31	29.89	33.63	0.00	0.00	0.00	0.30	0.00	140.24	-0.03	0.00	0.00	0.00	35.35	1.52	60.24	0.12	16.77	N/A	N/A	N/A	N/A
359	3.59	2.79	18.57	5.00	2.65E-006	1.01E-002	8.00	37.30	34.00	31.25	29.76	33.42	0.00	0.00	0.00	0.30	0.00	139.93	-0.03	0.00	0.00	0.00	35.37	1.51	59.71	0.11	16.74	N/A	N/A	N/A	N/A
360	3.60	2.78	18.60	5.00	2.60E-006	9.88E-003	8.00	37.30	34.00	31.24	29.76	33.42	0.00	0.00	0.00	0.30	0.00	139.94	-0.03	0.00	0.00	0.00	35.46	1.51	59.64	0.11	16.74	N/A	N/A	N/A	N/A
361	3.61	2.77	19.23	5.00	2.43E-006	9.33E-003	8.00	37.61	34.00	31.30	30.01	33.77	0.00	0.00	0.00	0.30	0.00	140.51	-0.03	0.00	0.00	0.00	35.64	1.53	60.16	0.11	16.78	N/A	N/A	N/A	N/A
362	3.62	2.75	20.42	5.00	2.16E-006	8.40E-003	8.00	38.13	33.00	31.42	30.43	34.38	0.00	0.00	0.00	0.30	0.00	141.49	-0.03	0.00	0.00	0.00	35.91	1.57	61.22	0.12	16.85	N/A	N/A	N/A	N/A
363	3.63	2.73	20.62	5.00	2.06E-006	8.02E-003	8.00	38.18	33.00	31.44	30.46	34.43	0.00	0.00	0.00	0.30	0.00	141.57	-0.03	0.00	0.00	0.00	36.03	1.58	61.33	0.13	16.85	N/A	N/A	N/A	N/A
364	3.64	2.71	21.00	5.00	1.94E-006	7.57E-003	8.00	38.31	33.00	31.47	30.56	34.59	0.00	0.00	0.00	0.30	0.00	141.80	-0.03	0.00	0.00	0.00	36.19	1.60	61.64	0.13	16.87	N/A	N/A	N/A	N/A
365	3.65	2.69	21.60	5.00	1.80E-006	6.75E-003	8.00	36.83	33.00	31.53	30.75	34.85	0.00	0.00	0.00	0.30	0.00	142.23	-0.03	0.00	0.00	0.00	36.38	1.63	62.19	0.13	16.90	N/A	N/A	N/A	N/A
366	3.66	2.68	22.10	5.00	1.71E-006	6.38E-003	8.00	36.69	33.00	31.59	30.92	35.11	0.00	0.00	0.00	0.30	0.00	142.64	-0.03	0.00	0.00	0.00	36.56	1.65	62.67	0.14	16.93	N/A	N/A	N/A	N/A
367	3.67	2.67	23.33	5.00	1.54E-006	5.75E-003	8.00	36.55	33.00	31.72	31.37	35.74	0.00	0.00	0.00	0.30	0.00	143.66	-0.04	0.00	0.00	0.00	36.86	1.69	63.95	0.16	16.99	N/A	N/A	N/A	N/A
368	3.68	2.65	25.88	5.00	1.27E-006	4.71E-003	8.00	36.26	33.00	32.02	32.22	36.97	0.00	0.00	0.00	0.30	0.00	145.61	-0.04	0.00	0.00	0.00	37.39	1.77	66.75	0.20	17.10	N/A	N/A	N/A	N/A
369	3.69	2.55	27.43	5.00	9.92E-007	3.53E-003	8.00	34.86	32.00	32.24	32.41	37.29	0.00	0.00	0.00	0.30	0.00	146.02	-0.05	0.00	0.00	0.00	37.82	1.89	68.88	0.23	17.16	N/A	N/A	N/A	N/A
370	3.70	2.48	28.79	5.00	8.18E-007	2.82E-003	8.00	33.88	32.00	32.44	32.62	37.63	0.00	0.00	0.00	0.30	0.00	146.50	-0.05	0.00	0.00	0.00	38.22	2.00	70.91	0.27	17.20	N/A	N/A	N/A	N/A
371	3.71	2.33	32.22	5.00	5.27E-007	1.71E-003	8.00	31.77	31.00	32.97	33.13	38.45	0.00	0.00	0.00	0.30	0.00	147.63	-0.06	0.00	0.00	0.00	39.12	2.28	76.64	0.44	17.31	N/A	N/A	N/A	N/A
372	3.72	2.28	33.45	5.00	4.51E-007	1.43E-003	8.00	31.07	31.00	33.17	33.32	38.75	0.00	0.00	0.00	0.30	0.00	148.06	-0.07	0.00	0.00	0.00	39.53	2.39	78.85	0.53	17.34	N/A	N/A	N/A	N/A
373	3.73	2.22	34.65	5.00	3.79E-007	1.17E-003	8.00	30.23	30.00	33.37	33.45	38.97	0.00	0.00	0.00	0.30	0.00	148.34	-0.07	0.00	0.00	0.00	39.96	2.52	81.26	0.65	17.37	N/A	N/A	N/A	N/A
374	3.74	2.14	37.39	5.00	2.85E-007	8.47E-004	8.00	29.11	30.00	33.78	33.90	39.67	0.00	0.00	0.00	0.30	0.00	149.35	-0.08	0.00	0.00	0.00	40.70	2.77	86.27	0.67	17.45	N/A	N/A	N/A	N/A
375	3.75	2.06	38.12	5.00	2.35E-007	6.70E-004	8.00	27.98	29.00	33.98	33.77	39.53	0.00	0.00	0.00	0.30	0.00	149.05	-0.08	0.00	0.00	0.00	41.11	2.95	88.70	0.67	17.45	N/A	N/A	N/A	N/A
376	3.76	2.01	38.62	4.00	2.06E-007	5.74E-004	8.00	27.28	0.00	0.00	0.00	39.46	15.00	129.90	2.12	0.30	8.80	148.90	0.00	1.00	3.53	0.00	129.90	3.08	90.34	0.58	17.46	N/A	N/A	N/A	N/A
377	3.77	1.94	39.44	4.00	1.71E-007	4.58E-004	7.00	26.30	0.00	0.00	0.00	39.38	15.00	125.22	2.04	0.30	8.51	148.70	0.00	1.00	3.33	0.00	125.22	3.28	92.93	0.58	17.47	N/A	N/A	N/A	N/A
378	3.78	1.93	41.36	4.00	1.53E-007	4.08E-004	7.00	26.15	0.00	0.00	0.00	40.07	15.00	124.55	2.02	0.30	8.47	149.78	0.00	1.00	3.16	0.00	124.55	3.40	95.89	0.58	17.52	N/A	N/A	N/A	N/A
379	3.79	1.93	44.02	4.00	1.37E-007	3.64E-004	8.00	26.15	0.00	0.00	0.00	41.07	15.00	124.54	2.02	0.30	8.48	151.33	0.00	1.00	2.97	0.00	124.54	3.53	99.67	0.58	17.59	N/A	N/A	N/A	N/A
380	3.80	1.93	46.44	4.00	1.23E-007	3.29E-004	8.00	26.15	0.00	0.00	0.00	41.97	15.00	124.52	2.01	0.30	8.48	152.72	0.00	1.00	2.82	0.00	124.52	3.65	103.06	0.58	17.66	N/A	N/A	N/A	N/A
381	3.81	1.91	18.19	5.00	5.39E-007	1.42E-003	7.00	25.87	28.00	31.35	26.85	29.85	0.00	0.00	0.00	0.30	0.00	132.92	-0.03	0.00	0.00	0.00	37.80	2.26	60.56	0.12	16.57	N/A	N/A	N/A	N/A
382	3.82	1.93	49.44	4.00	1.09E-007	2.91E-004	8.00	26.15	0.00	0.00	0.00	43.09	15.00	124.50	2.00	0.30	8.46	154.42	0.00	1.00	2.64	0.00	124.50	3.80	107.16	0.58	17.73	N/A	N/A	N/A	N/A
383	3.83	1.95	51.55	4.00	1.05E-007	2.83E-004	8.00	26.42	0.00	0.00	0.00	43.98	15.00	125.82	2.02	0.30	8.54	155.78	0.00	1.00	2.56	0.00	125.82	3.85	109.51	0.58	17.78	N/A	N/A	N/A	N/A
384	3.84	1.95	52.40	4.00	1.01E-007	2.73E-004	8.00	26.42	0.00	0.00	0.00	44.31	15.00	125.81	2.01	0.30	8.53	156.28	0.00	1.00	2.52	0.00	125.81	3.89	110.62	0.58	17.80	N/A	N/A	N/A	N/A
385	3.85	1.96	54.11	4.00	9.70E-008	2.63E-004	8.00	26.56	0.00	0.00	0.00	44.99	15.00	126.47	2.01	0.30	8.56	157.30	0.00	1.00	2.45	0.00	126.47	3.95	112.62	0.58	17.84	N/A	N/A	N/A	N/A
386	3.86	1.99	53.51	4.00	1.05E-007	2.88E-004	8.00	26.98	0.00	0.00	0.00	45.04	15.00	128.46	2.04	0.30	8.66	157.41	0.00	1.00	2.52	0.00	128.46	3.85	111.02	0.58	17.83	N/A	N/A	N/A	N/A
387	3.87	2.02	54.07	4.00	1.09E-007	3.04E-004	8.00	27.39	0.00	0.00	0.00	45.47	15.00	130.44	2.07	0.30	8.76	158.09	0.00	1.00	2.53	0.00	130.44	3.80	110.98	0.58	17.85	N/A	N/A	N/A	N/A
388	3.88	2.05	54.45	4.00	1.14E-007	3.22E-004	8.00	27.81	0.00	0.00	0.00	45.84	15.00	132.43	2.09	0.30	8.86	158.67	0.00	1.00	2.55	0.00	132.43	3.75	110.71	0.58	17.86	N/A	N/A	N/A	N/A
389	3.89	2.07	56.85	4.00	1.09E-007	3.11E-004	8.00	28.09	0.00	0.00	0.00	46.81	15.00	133.75	2.11	0.30	8.94	160.10	0.00	1.00	2.47	0.00	133.75	3.80	113.30	0.58	17.91	N/A	N/A	N/A	N/A
390	3.90	2.09	57.42	4.00	1.10E-007	3.19E-004	8.00	28.37	0.00	0.00	0.00	47.18	15.00	135.08	2.12	0.30	9.00	160.66	0.00	1.00	2.47	0.00	135.08	3.78	113.50	0.58	17.93	N/A	N/A	N/A	N/A
391	3.91	2.11	58.05	4.00	1.12E-007	3.27E-004	8.00	28.64	0.00	0.00	0.00	47.56	15.00	136.40	2.14	0.30	9.06	161.24	0.00	1.00	2.47	0.00	136.40	3.77	113.78	0.58	17.95	N/A	N/A	N/A	N/A
392	3.92	2.13	26.25	5.00	4.53E-007	1.33E-003	7.00	28.92	29.00	32.36	30.99	35.41	0.00	0.00	0.00	0.30	0.00	142.80	-0.05	0.00	0.00	0.00	40.56	2.39	70.13	0.26	17.04	N/A	N/A	N/A	N/A
393	3.93	2.32	55.78	4.00	1.77E-007	5.70E-004	9.00	31.58	0.00	0.00	0.00	48.24	15.00	150.38	2.34	0.30	9.83	162.43	0.00	1.00	2.83	0.00	150.38	3.24	106.16	0.58	17.94	N/A	N/A	N/A	N/A
394	3.94	2.42	53.98	4.00	2.23E-007	7.48E-004	9.00	32.98	0.00	0.00	0.00	48.27	15.00	157.03	2.44	0.30	10.19	162.58	0.00	1.00	3.05	0.00	157.03	3.00	101.95	0.58	17.91	N/A	N/A	N/A	N/A
395	3.95	2.52	53.51	5.00	2.66E-007	9.33E-004	9.00	34.37	32.00	34.77	40.55	48.73	0.00	0.00	0.00	0.30	0.00	163.33	-0.10	0.00	0.00	0.00	44.81	2.83	99.55	0.69	17.92	N/A	N/A	N/A	N/A
396	3.96	2.53	51.58	5.00	2.88E-007	1.01E-003	9.00	34.51	32.00	34.59	40.14	48.14	0.00	0.00	0.00	0.30	0.00	162.52	-0.10	0.00	0.00	0.00	44.64	2.76	97.05	0.69	17.88	N/A	N/A	N/A	N/A

	In situ data									Estimations																		
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
397	3.97	2.49	51.02	5.00	2.73E-007	9.45E-004	9.00	33.95	31.00	34.59	39.86	47.75	0.00	0.00	0.00	0.30	0.00	161.94	-0.10	0.00	0.00	0.00	44.76	2.81	97.01	0.69	17.86	N/A	N/A	N/A	N/A
398	3.98	2.46	49.21	5.00	2.76E-007	9.42E-004	9.00	33.53	31.00	34.47	39.30	46.96	0.00	0.00	0.00	0.30	0.00	160.80	-0.09	0.00	0.00	0.00	44.68	2.80	95.29	0.69	17.81	N/A	N/A	N/A	N/A
399	3.99	2.38	48.08	5.00	2.49E-007	8.22E-004	9.00	32.40	31.00	34.46	38.69	46.12	0.00	0.00	0.00	0.30	0.00	159.54	-0.09	0.00	0.00	0.00	44.79	2.89	95.22	0.69	17.78	N/A	N/A	N/A	N/A
400	4.00	2.36	46.00	5.00	2.59E-007	8.47E-004	9.00	32.12	30.00	34.30	38.09	45.27	0.00	0.00	0.00	0.30	0.00	158.30	-0.09	0.00	0.00	0.00	44.63	2.86	92.93	0.68	17.72	N/A	N/A	N/A	N/A
401	4.01	2.31	44.74	5.00	2.47E-007	7.92E-004	9.00	31.42	30.00	34.24	37.56	44.54	0.00	0.00	0.00	0.30	0.00	157.20	-0.09	0.00	0.00	0.00	44.65	2.90	92.16	0.68	17.68	N/A	N/A	N/A	N/A
402	4.02	2.26	41.30	5.00	2.58E-007	8.08E-004	8.00	30.71	30.00	33.96	36.43	42.96	0.00	0.00	0.00	0.30	0.00	154.82	-0.08	0.00	0.00	0.00	44.31	2.86	88.53	0.67	17.58	N/A	N/A	N/A	N/A
403	4.03	2.20	39.60	5.00	2.47E-007	7.52E-004	8.00	29.87	29.00	33.86	35.72	41.97	0.00	0.00	0.00	0.30	0.00	153.30	-0.08	0.00	0.00	0.00	44.26	2.90	87.27	0.67	17.52	N/A	N/A	N/A	N/A
404	4.04	2.26	37.58	5.00	3.00E-007	9.40E-004	8.00	30.71	30.00	33.57	35.44	41.53	0.00	0.00	0.00	0.30	0.00	152.70	-0.07	0.00	0.00	0.00	43.89	2.72	83.58	0.66	17.47	N/A	N/A	N/A	N/A
405	4.05	2.29	33.77	5.00	3.78E-007	1.20E-003	8.00	31.13	30.00	33.10	34.46	40.11	0.00	0.00	0.00	0.30	0.00	150.58	-0.06	0.00	0.00	0.00	43.23	2.53	78.09	0.50	17.35	N/A	N/A	N/A	N/A
406	4.06	2.33	33.09	5.00	4.17E-007	1.35E-003	8.00	31.69	30.00	32.97	34.45	40.06	0.00	0.00	0.00	0.30	0.00	150.56	-0.06	0.00	0.00	0.00	43.13	2.45	76.66	0.44	17.34	N/A	N/A	N/A	N/A
407	4.07	2.40	32.65	5.00	4.80E-007	1.60E-003	8.00	32.66	30.00	32.84	34.63	40.26	0.00	0.00	0.00	0.30	0.00	150.96	-0.06	0.00	0.00	0.00	43.03	2.34	75.24	0.39	17.33	N/A	N/A	N/A	N/A
408	4.08	2.44	32.32	5.00	5.20E-007	1.76E-003	8.00	33.22	30.00	32.76	34.72	40.35	0.00	0.00	0.00	0.30	0.00	151.15	-0.06	0.00	0.00	0.00	43.01	2.29	74.36	0.37	17.33	N/A	N/A	N/A	N/A
409	4.09	2.57	31.52	5.00	6.67E-007	2.38E-003	9.00	35.04	31.00	32.55	35.01	40.66	0.00	0.00	0.00	0.30	0.00	151.77	-0.05	0.00	0.00	0.00	42.78	2.12	72.14	0.30	17.32	N/A	N/A	N/A	N/A
410	4.10	2.63	30.85	5.00	7.55E-007	2.76E-003	9.00	35.88	31.00	32.43	35.05	40.67	0.00	0.00	0.00	0.30	0.00	151.85	-0.05	0.00	0.00	0.00	42.68	2.04	70.87	0.27	17.30	N/A	N/A	N/A	N/A
411	4.11	2.61	30.13	5.00	7.56E-007	2.74E-003	9.00	35.60	31.00	32.36	34.76	40.27	0.00	0.00	0.00	0.30	0.00	151.23	-0.05	0.00	0.00	0.00	42.68	2.04	70.13	0.26	17.27	N/A	N/A	N/A	N/A
412	4.12	2.63	29.59	5.00	7.99E-007	2.92E-003	9.00	35.87	31.00	32.28	34.68	40.14	0.00	0.00	0.00	0.30	0.00	151.06	-0.05	0.00	0.00	0.00	42.66	2.01	69.34	0.24	17.26	N/A	N/A	N/A	N/A
413	4.13	2.61	28.74	5.00	8.07E-007	2.93E-003	9.00	35.59	31.00	32.19	34.35	39.66	0.00	0.00	0.00	0.30	0.00	150.33	-0.05	0.00	0.00	0.00	42.62	2.00	68.45	0.22	17.22	N/A	N/A	N/A	N/A
414	4.14	2.59	27.93	5.00	8.15E-007	2.93E-003	9.00	35.31	31.00	32.11	34.02	39.21	0.00	0.00	0.00	0.30	0.00	149.61	-0.04	0.00	0.00	0.00	42.58	2.00	67.59	0.21	17.18	N/A	N/A	N/A	N/A
415	4.15	2.58	26.78	5.00	8.52E-007	3.05E-003	9.00	35.16	31.00	31.97	33.61	38.62	0.00	0.00	0.00	0.30	0.00	148.70	-0.04	0.00	0.00	0.00	42.47	1.97	66.27	0.19	17.13	N/A	N/A	N/A	N/A
416	4.16	2.56	26.13	5.00	8.53E-007	3.03E-003	8.00	34.88	31.00	31.90	33.33	38.23	0.00	0.00	0.00	0.30	0.00	148.08	-0.04	0.00	0.00	0.00	42.45	1.97	65.58	0.18	17.10	N/A	N/A	N/A	N/A
417	4.17	2.50	23.21	5.00	9.23E-007	3.20E-003	8.00	34.04	30.00	31.55	32.06	36.46	0.00	0.00	0.00	0.30	0.00	145.24	-0.03	0.00	0.00	0.00	41.99	1.93	62.37	0.14	16.96	N/A	N/A	N/A	N/A
418	4.18	2.44	24.03	5.00	7.90E-007	2.67E-003	8.00	33.20	30.00	31.70	32.16	36.65	0.00	0.00	0.00	0.30	0.00	145.47	-0.04	0.00	0.00	0.00	42.33	2.02	63.68	0.15	16.99	N/A	N/A	N/A	N/A
419	4.19	2.40	2.32	0.00	0.00E+000	0.00E+000	7.00	26.75	0.00	0.00	0.00	20.46	0.00	0.00	0.00	0.30	0.00	118.51	0.00	0.00	0.00	0.00	0.00	1.32	39.14	0.03	14.29	N/A	N/A	N/A	N/A
420	4.20	2.36	24.72	5.00	6.54E-007	2.14E-003	8.00	32.07	30.00	31.84	32.15	36.68	0.00	0.00	0.00	0.30	0.00	145.45	-0.04	0.00	0.00	0.00	42.77	2.13	65.07	0.17	17.01	N/A	N/A	N/A	N/A
421	4.21	2.35	25.90	5.00	5.95E-007	1.94E-003	8.00	31.93	29.00	32.01	32.56	37.26	0.00	0.00	0.00	0.30	0.00	146.38	-0.04	0.00	0.00	0.00	43.15	2.19	66.66	0.19	17.06	N/A	N/A	N/A	N/A
422	4.22	2.36	26.17	5.00	5.93E-007	1.94E-003	8.00	32.07	30.00	32.03	32.73	37.47	0.00	0.00	0.00	0.30	0.00	146.74	-0.04	0.00	0.00	0.00	43.30	2.19	66.90	0.20	17.07	N/A	N/A	N/A	N/A
423	4.23	2.37	26.47	5.00	5.90E-007	1.94E-003	8.00	32.21	30.00	32.06	32.90	37.70	0.00	0.00	0.00	0.30	0.00	147.12	-0.04	0.00	0.00	0.00	43.46	2.20	67.18	0.20	17.09	N/A	N/A	N/A	N/A
424	4.24	2.39	27.37	5.00	5.76E-007	1.91E-003	8.00	32.48	30.00	32.16	33.32	38.28	0.00	0.00	0.00	0.30	0.00	148.06	-0.05	0.00	0.00	0.00	43.73	2.21	68.13	0.22	17.13	N/A	N/A	N/A	N/A
425	4.25	2.41	28.50	5.00	5.57E-007	1.86E-003	8.00	32.76	30.00	32.28	33.82	38.96	0.00	0.00	0.00	0.30	0.00	149.16	-0.05	0.00	0.00	0.00	44.05	2.24	69.37	0.24	17.18	N/A	N/A	N/A	N/A
426	4.26	2.51	30.02	5.00	6.03E-007	2.10E-003	9.00	34.16	30.00	32.38	34.75	40.22	0.00	0.00	0.00	0.30	0.00	151.22	-0.05	0.00	0.00	0.00	44.32	2.18	70.34	0.26	17.25	N/A	N/A	N/A	N/A
427	4.27	2.65	31.45	5.00	6.96E-007	2.56E-003	9.00	36.12	31.00	32.43	35.80	41.61	0.00	0.00	0.00	0.30	0.00	153.47	-0.05	0.00	0.00	0.00	44.52	2.09	70.88	0.27	17.33	N/A	N/A	N/A	N/A
428	4.28	2.77	33.01	5.00	7.69E-007	2.96E-003	9.00	37.79	32.00	32.52	36.79	42.94	0.00	0.00	0.00	0.30	0.00	155.59	-0.05	0.00	0.00	0.00	44.78	2.03	71.76	0.29	17.40	N/A	N/A	N/A	N/A
429	4.29	2.80	33.99	5.00	7.63E-007	2.97E-003	9.00	38.21	32.00	32.60	37.26	43.57	0.00	0.00	0.00	0.30	0.00	156.56	-0.05	0.00	0.00	0.00	45.03	2.04	72.60	0.32	17.44	N/A	N/A	N/A	N/A
430	4.30	2.83	36.23	5.00	7.14E-007	2.81E-003	9.00	38.63	32.00	32.80	38.12	44.78	0.00	0.00	0.00	0.30	0.00	158.36	-0.06	0.00	0.00	0.00	45.49	2.08	74.78	0.38	17.52	N/A	N/A	N/A	N/A
431	4.31	2.86	37.11	5.00	7.14E-007	2.84E-003	10.00	39.05	32.00	32.86	38.53	45.35	0.00	0.00	0.00	0.30	0.00	159.23	-0.06	0.00	0.00	0.00	45.72	2.08	75.47	0.40	17.55	N/A	N/A	N/A	N/A
432	4.32	3.01	38.66	5.00	8.20E-007	3.44E-003	10.00	41.15	33.00	32.92	39.60	46.78	0.00	0.00	0.00	0.30	0.00	161.41	-0.06	0.00	0.00	0.00	45.92	1.99	76.03	0.42	17.61	N/A	N/A	N/A	N/A
433	4.33	3.23	39.31	5.00	1.06E-006	4.79E-003	10.00	44.23	34.00	32.87	40.61	48.10	0.00	0.00	0.00	0.30	0.00	163.46	-0.06	0.00	0.00	0.00	45.95	1.86	75.52	0.40	17.66	N/A	N/A	N/A	N/A
434	4.34	3.20	40.32	5.00	9.75E-007	4.35E-003	10.00	43.81	34.00	32.96	40.85	48.46	0.00	0.00	0.00	0.30	0.00	163.95	-0.06	0.00	0.00	0.00	46.23	1.90	76.55	0.44	17.69	N/A	N/A	N/A	N/A
435	4.35	3.13	40.77	5.00	8.69E-007	3.79E-003	10.00	42.82	34.00	33.03	40.78	48.38	0.00	0.00	0.00	0.30	0.00	163.79	-0.06	0.00	0.00	0.00	46.46	1.96	77.30	0.47	17.69	N/A	N/A	N/A	N/A
436	4.36	3.09	41.14	5.00	8.08E-007	3.48E-003	10.00	42.26	33.00	33.08	40.78	48.40	0.00	0.00	0.00	0.30	0.00	163.80	-0.06	0.00	0.00	0.00	46.67	2.00	77.85	0.49	17.70	N/A	N/A	N/A	N/A
437	4.37	3.11	42.40	5.00	7.85E-007	3.40E-003	10.00	42.54	33.00	33.17	41.26	49.08	0.00	0.00	0.00	0.30	0.00	164.77	-0.07	0.00	0.00	0.00	46.95	2.02	78.92	0.53	17.73	N/A	N/A	N/A	N/A
438	4.38	3.19	42.50	5.00	8.64E-007	3.85E-003	11.00	43.66	34.00	33.13	41.61	49.53	0.00	0.00	0.00	0.30	0.00	165.46	-0.07	0.00	0.00	0.00	47.00	1.96	78.49	0.52	17.75	N/A	N/A	N/A	N/A
439	4.39	3.25	42.22	5.00	9.40E-007	4.26E-003	11.00	44.49	34.00	33.08	41.77	49.71	0.00	0.00	0.00	0.30	0.00	165.78	-0.06	0.00	0.00	0.00	47.02	1.92	77.87	0.49	17.75	N/A	N/A	N/A	N/A
440	4.40	3.29	41.83	5.00	1.00E-006	4.59E-003	11.00	45.05	34.00	33.03	41.82	49.76	0.00	0.00	0.00	0.30	0.00	165.88	-0.06	0.00	0.00	0.00	47.04	1.89	77.29	0.47	17.74	N/A	N/A	N/A	N/A
441	4.41	3.36	41.69	5.00	1.09E-006	5.13E-003	11.00	46.03	35.00	32.99	42.05	50.04	0.00	0.00	0.00	0.30	0.00	166.33	-0.06	0.00	0.00	0.00	47.08	1.84	76.84	0.45	17.74	N/A	N/A	N/A	N/A
442	4.42	3.32	41.67	5.00	1.04E-006	4.80E-003	11.00	45.47	34.00	33.00	41.94	49.90	0.00	0.00	0.00	0.30	0.00	166.11	-0.06	0.00	0.00	0.00	47.21	1.87	76.93	0.45	17.74	N/A	N/A	N/A	N/A
443	4.43	3.29	41.96	5.00	9.82E-007	4.51E-003	11.00	45.04	34.00	33.03	41.96	49.93	0.00	0.00	0.00	0.30	0.00	166.15	-0.06	0.00	0.00	0.00	47.38	1.90	77.28	0.47	17.74	N/A	N/A	N/A	N/A
444	4.44	3.19	41.83	5.00	8.64E-007	3.84E-003	11.00	43.64	34.00	33.06	41.60	49.46	0.00	0.00	0.00	0.30	0.00	165.44	-0.06	0.00	0.00	0.00	47.55	1.96	77.61	0.48	17.73	N/A	N/A	N/A	N/A
445	4.45	3.18	41.73	5.00	8.52E-007	3.78E-003	10.00	43.50	34.00	33.05	41.57	49.41	0.00	0.00	0.00	0.30	0.00	165.37	-0.06	0.00	0.00	0.00	47.65	1.97	77.54	0.48	17.72	N/A	N/A	N/A	N/A
446	4.46	3.15	42.47	5.00	7.92E-007	3.48E-003	10.00	43.07	33.00	33.12	41.72	49.64	0.00	0.00	0.00	0.30	0.00	165.67	-0.07	0.00	0.00	0.00	47.91	2.01	78.39	0.51	17.74	N/A	N/A	N/A	N/A
447	4.47	3.13	45.43	5.00	6.84E-007	2.98E-003	11.00	42.79	33.00	33.38	42.56	50.85	0.00	0.00	0.00	0.30	0.00	167.34	-0.07	0.00	0.00	0.00	48.49	2.10	81.36	0.65	17.82	N/A	N/A	N/A	N/A
448	4.48	3.09	46.89	5.00	6.10E-007	2.63E-003	11.00	42.23	33.00	33.52	42.87	51.31	0.00	0.00	0.00	0.30	0.00	167.95	-0.07	0.00	0.00	0.00	48.88	2.18	83.08	0.66	17.85	N/A	N/A	N/A	N/A
449	4.49	3.06	48.11	5.00	5.57E-007	2.38E-003	10.00	41.81	33.00	33.64	43.14	51.71	0.00	0.00	0.00	0.30	0.00	168.48	-0.08	0.00	0.00	0.00	49.22	2.24	84.53	0.67	17.87	N/A	N/A	N/A	N/A
450	4.50	3.03	49.34	5.00	5.09E-007	2.15E-003	10.00	41.38	33.00	33.76	43.41	52.11	0.00	0.00	0.00	0.30	0.00	169.00	-0.08	0.00	0.00	0.00	49.56	2.30	86.01	0.67	17.90	N/A	N/A	N/A	N/A
451	4.51	3.01	52.18	5.00	4.46E-007	1.87E-003	11.00	41.10	33.00	34.00	44.16	53.19	0.00	0.00	0.00	0.30	0.00	170.45	-0.08	0.00	0.00	0.00	50.13	2.40	89.06	0.67	17.96	N/A	N/A	N/A	N/A
452	4.52	2.98	56.51	5.00	3.69E-007	1.53E-003	11.00	40.68	32.00	34.36	45.23	54.75	0.00	0.00	0.00	0.30	0.00	172.51	-0.09	0.00	0.00	0.00	50.93	2.55	93.78	0.68	18.05	N/A	N/A	N/A	N/A
453	4.53	2.98	57.51	5.00	3.56E-007	1.47E-003	11.00	40.68	32.00	34.43	45.53	55.17	0.00	0.00	0.00	0.30	0.00	173.08	-0.09	0.00	0.00	0.00	51.19	2.58	94.76	0.69	18.07	N/A	N/A	N/A	N/A
454	4.54	2.99	58.53	5.00	3.48E-007	1.45E-003	11.00	40.81	32.00	34.49	45.87	55.65	0.00	0.00	0.00	0.30	0.00	173.73	-0.09	0.00	0.00	0.00	51.43	2.60	95.63	0.69	18.09	N/A	N/A	N/A	N/A
455	4.55	2.98	59.23	5.00	3.34E-007	1.38E-003	11.00	40.67	32.00	34.55	46.05	55.91	0.00	0.00	0.00	0.30	0.00	174.06	-0.09	0.00	0.00	0.00	51.67	2.63	96.43	0.69	18.10	N/A	N/A	N/A	N/A
456	4.56	2.99	60.47	5.00	3.24E-007	1.35E-003	11.00	40.81	32.00	34.63	46.45	56.46	0.00	0.00	0.00	0.30	0.00	174.81	-0.10	0.00	0.00	0.00	51.94	2.65	97.51	0.69	18.13	N/A	N/A	N/A	N/A
457	4.57	3.01	62.94	5.00	3.08E-007	1.29E-003	11.00	41.09	32.00	34.78	47.19	57.52	0.00	0.00	0.00	0.30	0.00	176.20	-0.10	0.00	0.00	0.00	52.36	2.70	99.68	0.69	18.18	N/A	N/A	N/A	N/A
458	4.58	3.02	67.16	5.00	2.76E-007	1.16E-003	11.00	41.22	33.00	35.05	48.31	59.14	0.00	0.00	0.00	0.30	0.00	178.29	-0.11	0.00	0.00	0.00	53.02	2.80	103.70	0.70	18.25	N/A	N/A	N/A	N/A
459	4.59	3.00	66.59	5.00	2.71E-007	1.13E-003	11.00	40.94	32.00	35.03	48.13	58.87	0.00	0.00	0.00	0.30	0.00	177.95	-0.10	0.00	0.00	0.00	53.11	2.81	103.38	0.70	18.24	N/A	N/A	N/A	N/A
460	4.60	2.99	66.92	5.00	2.64E-007	1.10E-003	11.00	40.80	32.00	35.06	48.20	58.98	0.00	0.00	0.00	0.30	0.00	178.09	-0.11	0.00	0.00	0.00	53.29	2.84	103.82	0.70	18.24	N/A	N/A	N/A	N/A
461	4.61	2.97	67.45	4.00	2.51E-007	1.04E-003	11.00	40.52	0.00	0.00	0.00	59.10	15.00	192.94	2.53	0.30	10.88	178.24	0.00	1.00	3.00	0.00	192.94	2.89	104.60	0.58	18.25	N/A	N/A	N/A	N/A
462	4.62	2.98	67.81	4.00	2.51E-007	1.04E-003	11.00	40.65	0.00	0.00	0.00	59.33	15.00	193.59	2.54	0.30	10.89	178.55	0.00	1.00	3.00	0.00	193.59	2.89	104.77	0.58	18.26	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
463	4.63	2.92	68.13	4.00	2.27E-007	9.23E-004	11.00	39.81	0.00	0.00	0.00	59.16	15.00	189.58	2.48	0.30	10.66	178.30	0.00	1.00	2.92	0.00	189.58	2.98	105.97	0.58	18.25	N/A	N/A	N/A	N/A
464	4.64	3.16	68.39	5.00	3.14E-007	1.38E-003	11.00	43.17	33.00	34.98	49.42	60.62	0.00	0.00	0.00	0.30	0.00	180.31	-0.10	0.00	0.00	0.00	53.65	2.68	102.67	0.70	18.29	N/A	N/A	N/A	N/A
465	4.65	3.16	67.81	5.00	3.18E-007	1.40E-003	11.00	43.17	33.00	34.94	49.31	60.46	0.00	0.00	0.00	0.30	0.00	180.12	-0.10	0.00	0.00	0.00	53.70	2.67	102.07	0.70	18.28	N/A	N/A	N/A	N/A
466	4.66	3.17	67.00	5.00	3.28E-007	1.45E-003	11.00	43.31	33.00	34.88	49.19	60.27	0.00	0.00	0.00	0.30	0.00	179.90	-0.10	0.00	0.00	0.00	53.70	2.65	101.12	0.70	18.27	N/A	N/A	N/A	N/A
467	4.67	3.14	64.83	5.00	3.33E-007	1.46E-003	11.00	42.88	33.00	34.76	48.57	59.36	0.00	0.00	0.00	0.30	0.00	178.75	-0.10	0.00	0.00	0.00	53.59	2.63	99.38	0.69	18.23	N/A	N/A	N/A	N/A
468	4.68	3.08	63.69	5.00	3.16E-007	1.35E-003	11.00	42.04	33.00	34.73	48.07	58.67	0.00	0.00	0.00	0.30	0.00	177.85	-0.10	0.00	0.00	0.00	53.66	2.68	99.02	0.69	18.20	N/A	N/A	N/A	N/A
469	4.69	3.02	61.42	5.00	3.09E-007	1.30E-003	11.00	41.20	32.00	34.63	47.29	57.56	0.00	0.00	0.00	0.30	0.00	176.39	-0.10	0.00	0.00	0.00	53.58	2.70	97.54	0.69	18.15	N/A	N/A	N/A	N/A
470	4.70	2.99	59.91	5.00	3.09E-007	1.28E-003	11.00	40.77	32.00	34.55	46.81	56.88	0.00	0.00	0.00	0.30	0.00	175.50	-0.09	0.00	0.00	0.00	53.55	2.70	96.40	0.69	18.12	N/A	N/A	N/A	N/A
471	4.71	2.97	59.91	5.00	2.99E-007	1.23E-003	11.00	40.49	32.00	34.56	46.77	56.82	0.00	0.00	0.00	0.30	0.00	175.42	-0.10	0.00	0.00	0.00	53.70	2.73	96.63	0.69	18.11	N/A	N/A	N/A	N/A
472	4.72	2.92	59.91	5.00	2.77E-007	1.12E-003	11.00	39.79	32.00	34.61	46.60	56.59	0.00	0.00	0.00	0.30	0.00	175.10	-0.10	0.00	0.00	0.00	53.92	2.80	97.28	0.69	18.11	N/A	N/A	N/A	N/A
473	4.73	2.86	60.51	5.00	2.48E-007	9.84E-004	11.00	38.95	31.00	34.71	46.54	56.53	0.00	0.00	0.00	0.30	0.00	174.99	-0.10	0.00	0.00	0.00	54.25	2.90	98.72	0.69	18.11	N/A	N/A	N/A	N/A
474	4.74	2.74	60.92	4.00	2.03E-007	7.71E-004	10.00	37.26	0.00	0.00	0.00	56.05	15.00	177.44	2.26	0.30	9.78	174.28	0.00	1.00	3.06	0.00	177.44	3.10	100.96	0.58	18.10	N/A	N/A	N/A	N/A
475	4.75	2.53	61.21	4.00	1.42E-007	4.98E-004	10.00	34.32	0.00	0.00	0.00	54.96	15.00	163.43	2.08	0.30	9.04	172.70	0.00	1.00	2.80	0.00	163.43	3.48	104.81	0.58	18.08	N/A	N/A	N/A	N/A
476	4.76	2.41	61.48	4.00	1.14E-007	3.80E-004	10.00	32.64	0.00	0.00	0.00	54.36	15.00	155.42	1.97	0.30	8.60	171.81	0.00	1.00	2.65	0.00	155.42	3.74	107.30	0.58	18.06	N/A	N/A	N/A	N/A
477	4.77	2.35	62.52	4.00	9.89E-008	3.20E-004	9.00	31.80	0.00	0.00	0.00	54.38	15.00	151.41	1.92	0.30	8.38	171.81	0.00	1.00	2.54	0.00	151.41	3.92	109.57	0.58	18.07	N/A	N/A	N/A	N/A
478	4.78	2.22	66.28	4.00	6.90E-008	2.11E-004	9.00	29.97	0.00	0.00	0.00	54.84	15.00	142.73	1.80	0.30	7.92	172.32	0.00	1.00	2.26	0.00	142.73	4.41	116.37	0.58	18.12	N/A	N/A	N/A	N/A
479	4.79	2.12	70.12	4.00	5.06E-008	1.47E-004	9.00	28.57	0.00	0.00	0.00	55.45	15.00	136.05	1.71	0.30	7.57	173.04	0.00	1.00	2.04	0.00	136.05	4.87	122.73	0.58	18.17	N/A	N/A	N/A	N/A
480	4.80	2.02	76.59	4.00	3.45E-008	9.54E-005	9.00	27.17	0.00	0.00	0.00	56.77	15.00	129.37	1.63	0.30	7.22	174.70	0.00	1.00	1.77	0.00	129.37	5.49	131.96	0.58	18.25	N/A	N/A	N/A	N/A
481	4.81	1.93	80.43	3.00	2.56E-008	6.75E-005	9.00	25.90	0.00	0.00	0.00	57.26	15.00	123.35	1.55	0.30	6.89	175.26	0.00	1.00	1.61	0.00	123.35	6.01	138.06	0.58	18.29	N/A	N/A	N/A	N/A
482	4.82	1.86	84.47	3.00	1.97E-008	5.00E-005	9.00	24.92	0.00	0.00	0.00	57.89	15.00	118.67	1.48	0.30	6.64	176.02	0.00	1.00	1.48	0.00	118.67	6.50	143.85	0.58	18.33	N/A	N/A	N/A	N/A
483	4.83	1.77	88.66	3.00	1.43E-008	3.45E-005	9.00	23.66	0.00	0.00	0.00	58.32	15.00	112.66	1.41	0.30	6.31	176.50	0.00	1.00	1.33	0.00	112.66	7.13	150.17	0.58	18.37	N/A	N/A	N/A	N/A
484	4.84	1.72	96.00	3.00	1.07E-008	2.50E-005	9.00	22.96	0.00	0.00	0.00	59.94	15.00	109.31	1.36	0.30	6.12	178.54	0.00	1.00	1.20	0.00	109.31	7.76	158.47	0.58	18.45	N/A	N/A	N/A	N/A
485	4.85	1.68	98.00	3.00	9.16E-009	2.09E-005	8.00	22.39	0.00	0.00	0.00	60.17	15.00	106.63	1.32	0.30	5.96	178.81	0.00	1.00	1.14	0.00	106.63	8.11	161.11	0.58	18.46	N/A	N/A	N/A	N/A
486	4.86	1.61	98.70	3.00	7.40E-009	1.62E-005	8.00	21.41	0.00	0.00	0.00	59.76	15.00	101.96	1.26	0.30	5.69	178.24	0.00	1.00	1.08	0.00	101.96	8.61	163.10	0.58	18.45	N/A	N/A	N/A	N/A
487	4.87	1.53	98.21	3.00	5.90E-009	1.22E-005	8.00	20.29	0.00	0.00	0.00	58.91	15.00	96.61	1.19	0.30	5.38	177.09	0.00	1.00	1.03	0.00	96.61	9.16	164.12	1.21	18.43	N/A	N/A	N/A	N/A
488	4.88	1.44	97.87	3.00	4.49E-009	8.71E-006	8.00	19.03	0.00	0.00	0.00	57.97	15.00	90.60	1.12	0.30	5.03	175.80	0.00	1.00	0.97	0.00	90.60	9.86	165.40	1.21	18.40	N/A	N/A	N/A	N/A
489	4.89	1.39	95.63	3.00	3.99E-009	7.45E-006	8.00	18.32	0.00	0.00	0.00	56.92	15.00	87.26	1.07	0.30	4.83	174.39	0.00	1.00	0.96	0.00	87.26	10.18	164.08	1.18	18.36	N/A	N/A	N/A	N/A
490	4.90	1.31	92.23	3.00	3.26E-009	5.71E-006	7.00	17.20	0.00	0.00	0.00	55.23	15.00	81.91	1.01	0.30	4.53	172.08	0.00	1.00	0.93	0.00	81.91	10.75	162.16	1.13	18.30	N/A	N/A	N/A	N/A
491	4.91	1.26	90.30	3.00	2.83E-009	4.76E-006	7.00	16.50	0.00	0.00	0.00	54.22	15.00	78.57	0.96	0.30	4.33	170.69	0.00	1.00	0.91	0.00	78.57	11.15	161.04	1.11	18.26	N/A	N/A	N/A	N/A
492	4.92	1.21	85.95	3.00	2.59E-009	4.11E-006	7.00	15.58	0.00	0.00	0.00	52.57	15.00	75.25	0.92	0.30	4.14	168.40	0.00	1.00	0.92	0.00	75.25	11.41	157.54	1.05	18.18	N/A	N/A	N/A	N/A
493	4.93	1.17	80.22	3.00	2.54E-009	3.75E-006	7.00	14.48	0.00	0.00	0.00	50.64	15.00	72.63	0.89	0.30	3.99	165.70	0.00	1.00	0.95	0.00	72.63	11.47	152.40	0.98	18.09	N/A	N/A	N/A	N/A
494	4.94	1.14	76.59	3.00	2.47E-009	3.44E-006	6.00	13.68	0.00	0.00	0.00	49.36	15.00	70.67	0.86	0.30	3.87	163.88	0.00	1.00	0.97	0.00	70.67	11.55	149.08	0.93	18.03	N/A	N/A	N/A	N/A
495	4.95	1.23	74.23	3.00	3.75E-009	6.16E-006	7.00	16.14	0.00	0.00	0.00	49.75	15.00	76.84	0.93	0.30	4.20	164.56	0.00	1.00	1.09	0.00	76.84	10.35	144.95	0.90	18.02	N/A	N/A	N/A	N/A
496	4.96	1.29	71.11	3.00	5.07E-009	8.77E-006	7.00	16.99	0.00	0.00	0.00	49.52	15.00	80.90	0.98	0.30	4.41	164.31	0.00	1.00	1.19	0.00	80.90	9.55	140.44	0.86	17.99	N/A	N/A	N/A	N/A
497	4.97	1.29	69.28	3.00	5.31E-009	9.19E-006	7.00	16.99	0.00	0.00	0.00	49.02	15.00	80.89	0.98	0.30	4.40	163.62	0.00	1.00	1.23	0.00	80.89	9.43	138.37	0.84	17.96	N/A	N/A	N/A	N/A
498	4.98	1.30	64.98	3.00	6.19E-009	1.08E-005	7.00	17.12	0.00	0.00	0.00	47.85	15.00	81.50	0.98	0.30	4.43	161.97	0.00	1.00	1.32	0.00	81.50	9.04	133.40	0.78	17.89	N/A	N/A	N/A	N/A
499	4.99	1.29	61.45	3.00	6.63E-009	1.15E-005	7.00	16.98	0.00	0.00	0.00	46.69	15.00	80.83	0.97	0.30	4.38	160.30	0.00	1.00	1.38	0.00	80.83	8.87	129.54	0.74	17.82	N/A	N/A	N/A	N/A
500	5.00	1.36	56.52	3.00	9.76E-009	1.78E-005	7.00	17.91	0.00	0.00	0.00	45.74	15.00	85.30	1.02	0.30	4.61	159.00	0.00	1.00	1.58	0.00	85.30	7.96	122.44	0.58	17.75	N/A	N/A	N/A	N/A
501	5.01	1.41	52.30	3.00	1.32E-008	2.49E-005	7.00	18.58	0.00	0.00	0.00	44.75	15.00	88.47	1.06	0.30	4.77	157.62	0.00	1.00	1.78	0.00	88.47	7.31	116.32	0.58	17.67	N/A	N/A	N/A	N/A
502	5.02	1.37	51.13	3.00	1.20E-008	2.21E-005	7.00	18.03	0.00	0.00	0.00	44.05	15.00	85.88	1.03	0.30	4.62	156.54	0.00	1.00	1.76	0.00	85.88	7.50	115.61	0.58	17.63	N/A	N/A	N/A	N/A
503	5.03	1.33	49.57	3.00	1.11E-008	1.98E-005	7.00	17.47	0.00	0.00	0.00	43.20	15.00	83.21	0.99	0.30	4.47	155.22	0.00	1.00	1.76	0.00	83.21	7.68	114.41	0.58	17.59	N/A	N/A	N/A	N/A
504	5.04	1.47	49.13	3.00	1.76E-008	3.48E-005	7.00	19.44	0.00	0.00	0.00	44.30	15.00	92.57	1.10	0.30	4.95	157.06	0.00	1.00	1.98	0.00	92.57	6.72	110.82	0.58	17.62	N/A	N/A	N/A	N/A
505	5.05	1.61	48.67	4.00	2.65E-008	5.78E-005	7.00	21.39	0.00	0.00	0.00	45.31	15.00	101.88	1.21	0.30	5.41	158.75	0.00	1.00	2.20	0.00	101.88	5.94	107.18	0.58	17.64	N/A	N/A	N/A	N/A
506	5.06	1.73	48.75	4.00	3.61E-008	8.48E-005	8.00	23.07	0.00	0.00	0.00	46.31	15.00	109.87	1.30	0.30	5.81	160.34	0.00	1.00	2.37	0.00	109.87	5.41	104.69	0.58	17.67	N/A	N/A	N/A	N/A
507	5.07	1.99	46.02	4.00	7.31E-008	1.99E-004	8.00	26.70	0.00	0.00	0.00	47.12	15.00	127.15	1.51	0.30	6.66	161.80	0.00	1.00	2.90	0.00	127.15	4.33	96.02	0.58	17.66	N/A	N/A	N/A	N/A
508	5.08	2.18	47.23	4.00	1.03E-007	3.07E-004	9.00	29.33	0.00	0.00	0.00	48.85	15.00	139.65	1.65	0.30	7.28	164.45	0.00	1.00	3.10	0.00	139.65	3.87	93.97	0.58	17.72	N/A	N/A	N/A	N/A
509	5.09	2.03	48.69	4.00	7.09E-008	1.97E-004	8.00	27.21	0.00	0.00	0.00	48.49	15.00	129.58	1.53	0.30	6.76	163.81	0.00	1.00	2.79	0.00	129.58	4.37	98.51	0.58	17.73	N/A	N/A	N/A	N/A
510	5.10	1.95	49.45	4.00	5.75E-008	1.53E-004	8.00	26.09	0.00	0.00	0.00	48.28	15.00	124.23	1.46	0.30	6.48	163.44	0.00	1.00	2.64	0.00	124.23	4.67	100.96	0.58	17.73	N/A	N/A	N/A	N/A
511	5.11	1.91	50.12	4.00	5.11E-008	1.33E-004	8.00	25.53	0.00	0.00	0.00	48.29	15.00	121.55	1.43	0.30	6.34	163.43	0.00	1.00	2.55	0.00	121.55	4.85	102.53	0.58	17.74	N/A	N/A	N/A	N/A
512	5.12	1.83	51.63	4.00	3.99E-008	9.93E-005	8.00	24.41	0.00	0.00	0.00	48.32	15.00	116.22	1.36	0.30	6.06	163.39	0.00	1.00	2.36	0.00	116.22	5.24	105.93	0.58	17.76	N/A	N/A	N/A	N/A
513	5.13	1.69	53.65	4.00	2.61E-008	5.97E-005	8.00	22.45	0.00	0.00	0.00	48.03	15.00	106.88	1.25	0.30	5.59	162.83	0.00	1.00	2.09	0.00	106.88	5.97	111.23	0.58	17.77	N/A	N/A	N/A	N/A
514	5.14	1.58	54.98	3.00	1.84E-008	3.93E-005	7.00	20.90	0.00	0.00	0.00	47.64	15.00	99.54	1.16	0.30	5.21	162.16	0.00	1.00	1.90	0.00	99.54	6.63	115.07	0.58	17.77	N/A	N/A	N/A	N/A
515	5.15	1.52	55.74	3.00	1.51E-008	3.08E-005	7.00	20.06	0.00	0.00	0.00	47.43	15.00	95.53	1.11	0.30	5.00	161.80	0.00	1.00	1.80	0.00	95.53	7.03	117.17	0.58	17.77	N/A	N/A	N/A	N/A
516	5.16	1.43	56.24	3.00	1.12E-008	2.15E-005	7.00	18.80	0.00	0.00	0.00	46.86	15.00	89.52	1.04	0.30	4.68	160.88	0.00	1.00	1.67	0.00	89.52	7.66	119.52	0.58	17.76	N/A	N/A	N/A	N/A
517	5.17	1.36	60.53	3.00	7.69E-009	1.40E-005	7.00	17.82	0.00	0.00	0.00	47.71	15.00	84.85	0.98	0.30	4.43	162.04	0.00	1.00	1.47	0.00	84.85	8.51	125.67	0.58	17.83	N/A	N/A	N/A	N/A
518	5.18	1.30	63.32	3.00	5.70E-009	9.86E-006	7.00	16.98	0.00	0.00	0.00	48.08	15.00	80.83	0.94	0.30	4.21	162.51	0.00	1.00	1.34	0.00	80.83	9.25	129.77	0.73	17.86	N/A	N/A	N/A	N/A
519	5.19	1.29	67.14	3.00	4.88E-009	8.30E-006	7.00	16.70	0.00	0.00	0.00	49.21	15.00	80.16	0.93	0.30	4.17	164.12	0.00	1.00	1.25	0.00	80.16	9.65	133.95	0.78	17.92	N/A	N/A	N/A	N/A
520	5.20	1.33	65.27	3.00	5.90E-009	1.05E-005	7.00	17.39	0.00	0.00	0.00	49.07	15.00	82.81	0.95	0.30	4.29	163.97	0.00	1.00	1.33	0.00	82.81	9.16	131.14	0.75	17.90	N/A	N/A	N/A	N/A
521	5.21	1.39	68.57	3.00	6.52E-009	1.21E-005	7.00	18.23	0.00	0.00	0.00	50.72	15.00	86.80	1.00	0.30	4.49	166.36	0.00	1.00	1.33	0.00	86.80	8.91	133.46	0.79	17.98	N/A	N/A	N/A	N/A
522	5.22	1.42	72.44	3.00	6.42E-009	1.22E-005	7.00	18.64	0.00	0.00	0.00	52.23	15.00	88.78	1.02	0.30	4.59	168.49	0.00	1.00	1.29	0.00	88.78	8.95	136.83	0.83	18.05	N/A	N/A	N/A	N/A
523	5.23	1.48	77.76	3.00	6.70E-009	1.33E-005	8.00	19.48	0.00	0.00	0.00	54.45	15.00	92.77	1.06	0.30	4.78	171.57	0.00	1.00	1.25	0.00	92.77	8.85	141.00	0.89	18.15	N/A	N/A	N/A	N/A
524	5.24	1.53	81.83	3.00	7.01E-009	1.44E-005	8.00	20.19	0.00	0.00	0.00	56.17	15.00	96.13	1.10	0.30	4.94	173.92	0.00	1.00	1.23	0.00	96.13	8.74	143.97	0.58	18.22	N/A	N/A	N/A	N/A
525	5.25	1.59	83.59	3.00	7.98E-009	1.71E-005	8.00	21.03	0.00	0.00	0.00	57.31	15.00	100.16	1.14	0.30	5.14	175.48	0.00	1.00	1.26	0.00	100.16	8.43	144.43	0.58	18.26	N/A	N/A	N/A	N/A
526	5.26	1.65	87.50	3.00	8.54E-009	1.90E-005	8.00	21.86	0.00	0.00	0.00	59.03	15.00	104.08	1.18	0.30	5.33	177.78	0.00	1.00	1.25	0.00	104.08	8.27	146.95	0.58	18.32	N/A	N/A	N/A	N/A
527	5.27	1.69	89.10	3.00	9.13E-009	2.08E-005	8.00	22.41	0.00	0.00	0.00	59.91	15.00	106.73	1.21	0.30	5.46	178.95	0.00	1.00	1.26	0.00	106.73	8.12	147.59	0.58	18.35	N/A	N/A	N/A	N/A
528	5.28	1.72	91.93	3.00	9.23E-009	2.15E-005	9.00	22.83	0.00	0.00	0.00	61.04	15.00	108.71	1.23	0.30	5.55	180.42	0.00	1.00	1.24	0.00	108.71	8.09	149.55	0.58	18.40	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
529	5.29	1.78	95.91	3.00	9.83E-009	2.37E-005	9.00	23.67	0.00	0.00	0.00	62.77	15.00	112.70	1.27	0.30	5.74	182.65	0.00	1.00	1.23	0.00	112.70	7.95	151.95	0.58	18.46	N/A	N/A	N/A	N/A
530	5.30	1.83	97.58	3.00	1.07E-008	2.66E-005	9.00	24.37	0.00	0.00	0.00	63.74	15.00	116.03	1.31	0.30	5.89	183.90	0.00	1.00	1.25	0.00	116.03	7.76	152.39	0.58	18.49	N/A	N/A	N/A	N/A
531	5.31	1.86	97.96	3.00	1.14E-008	2.87E-005	9.00	24.78	0.00	0.00	0.00	64.16	15.00	118.01	1.33	0.30	5.98	184.46	0.00	1.00	1.26	0.00	118.01	7.63	152.04	0.58	18.50	N/A	N/A	N/A	N/A
532	5.32	1.92	97.14	3.00	1.33E-008	3.47E-005	9.00	25.62	0.00	0.00	0.00	64.51	15.00	122.00	1.37	0.30	6.17	184.94	0.00	1.00	1.32	0.00	122.00	7.29	150.01	0.58	18.50	N/A	N/A	N/A	N/A
533	5.33	1.98	98.87	3.00	1.46E-008	3.94E-005	10.00	26.46	0.00	0.00	0.00	65.58	15.00	125.99	1.41	0.30	6.36	186.31	0.00	1.00	1.34	0.00	125.99	7.09	150.26	0.58	18.53	N/A	N/A	N/A	N/A
534	5.34	2.06	98.94	3.00	1.73E-008	4.87E-005	10.00	27.58	0.00	0.00	0.00	66.35	15.00	131.31	1.47	0.30	6.60	187.32	0.00	1.00	1.39	0.00	131.31	6.75	148.57	0.58	18.55	N/A	N/A	N/A	N/A
535	5.35	2.10	99.67	3.00	1.85E-008	5.30E-005	10.00	28.13	0.00	0.00	0.00	66.95	15.00	133.97	1.50	0.30	6.72	188.09	0.00	1.00	1.41	0.00	133.97	6.62	148.32	0.58	18.57	N/A	N/A	N/A	N/A
536	5.36	2.13	94.36	3.00	2.18E-008	6.36E-005	10.00	28.55	0.00	0.00	0.00	65.72	15.00	135.96	1.52	0.30	6.80	186.63	0.00	1.00	1.51	0.00	135.96	6.30	142.76	0.58	18.51	N/A	N/A	N/A	N/A
537	5.37	2.32	91.00	4.00	3.41E-008	1.08E-004	10.00	31.21	0.00	0.00	0.00	66.26	15.00	148.61	1.65	0.30	7.39	187.44	0.00	1.00	1.71	0.00	148.61	5.51	135.70	0.58	18.50	N/A	N/A	N/A	N/A
538	5.38	2.52	83.93	4.00	5.72E-008	1.98E-004	11.00	34.01	0.00	0.00	0.00	65.52	15.00	161.94	1.80	0.30	8.02	186.71	0.00	1.00	2.03	0.00	161.94	4.68	125.07	0.58	18.44	N/A	N/A	N/A	N/A
539	5.39	2.58	79.71	4.00	6.97E-008	2.48E-004	11.00	34.84	0.00	0.00	0.00	64.59	15.00	165.92	1.84	0.30	8.19	185.63	0.00	1.00	2.19	0.00	165.92	4.39	119.88	0.58	18.39	N/A	N/A	N/A	N/A
540	5.40	2.63	78.41	4.00	7.79E-008	2.82E-004	11.00	35.54	0.00	0.00	0.00	64.53	15.00	169.24	1.87	0.30	8.33	185.60	0.00	1.00	2.27	0.00	169.24	4.24	117.67	0.58	18.38	N/A	N/A	N/A	N/A
541	5.41	2.69	75.10	4.00	9.31E-008	3.45E-004	11.00	36.38	0.00	0.00	0.00	63.82	15.00	173.24	1.91	0.30	8.50	184.79	0.00	1.00	2.42	0.00	173.24	4.00	113.38	0.58	18.34	N/A	N/A	N/A	N/A
542	5.42	2.74	72.58	4.00	1.07E-007	4.05E-004	11.00	37.08	0.00	0.00	0.00	63.29	15.00	176.56	1.94	0.30	8.64	184.18	0.00	1.00	2.55	0.00	176.56	3.82	110.05	0.58	18.30	N/A	N/A	N/A	N/A
543	5.43	2.79	70.34	4.00	1.23E-007	4.72E-004	11.00	37.78	0.00	0.00	0.00	62.83	15.00	179.88	1.98	0.30	8.78	183.66	0.00	1.00	2.69	0.00	179.88	3.66	107.02	0.58	18.27	N/A	N/A	N/A	N/A
544	5.44	2.89	69.05	4.00	1.47E-007	5.89E-004	11.00	39.17	0.00	0.00	0.00	63.00	15.00	186.54	2.05	0.30	9.08	183.94	0.00	1.00	2.84	0.00	186.54	3.44	104.15	0.58	18.27	N/A	N/A	N/A	N/A
545	5.45	3.05	68.26	4.00	1.90E-007	8.01E-004	12.00	41.41	0.00	0.00	0.00	63.65	15.00	197.20	2.16	0.30	9.57	184.86	0.00	1.00	3.03	0.00	197.20	3.17	101.00	0.58	18.27	N/A	N/A	N/A	N/A
546	5.46	3.02	69.90	4.00	1.73E-007	7.23E-004	12.00	40.99	0.00	0.00	0.00	64.14	15.00	195.19	2.13	0.30	9.46	185.45	0.00	1.00	2.93	0.00	195.19	3.26	102.93	0.58	18.30	N/A	N/A	N/A	N/A
547	5.47	3.11	70.18	4.00	1.94E-007	8.37E-004	12.00	42.25	0.00	0.00	0.00	64.80	15.00	201.18	2.19	0.30	9.73	186.31	0.00	1.00	3.01	0.00	201.18	3.14	101.86	0.58	18.31	N/A	N/A	N/A	N/A
548	5.48	3.18	70.31	4.00	2.12E-007	9.36E-004	12.00	43.23	0.00	0.00	0.00	65.27	15.00	205.84	2.24	0.30	9.93	186.94	0.00	1.00	3.07	0.00	205.84	3.05	100.98	0.58	18.32	N/A	N/A	N/A	N/A
549	5.49	3.23	72.23	4.00	2.15E-007	9.63E-004	12.00	43.92	0.00	0.00	0.00	66.31	15.00	209.16	2.27	0.30	10.08	188.22	0.00	1.00	3.04	0.00	209.16	3.04	102.00	0.58	18.36	N/A	N/A	N/A	N/A
550	5.50	3.29	74.00	4.00	2.22E-007	1.01E-003	12.00	44.76	0.00	0.00	0.00	67.33	15.00	213.15	2.31	0.30	10.25	189.49	0.00	1.00	3.02	0.00	213.15	3.01	102.73	0.58	18.40	N/A	N/A	N/A	N/A
551	5.51	3.24	77.72	4.00	1.88E-007	8.45E-004	12.00	44.06	0.00	0.00	0.00	68.47	15.00	209.80	2.27	0.30	10.08	190.82	0.00	1.00	2.83	0.00	209.80	3.17	106.67	0.58	18.45	N/A	N/A	N/A	N/A
552	5.52	3.18	80.12	4.00	1.63E-007	7.17E-004	12.00	43.22	0.00	0.00	0.00	69.04	15.00	205.79	2.22	0.30	9.88	191.47	0.00	1.00	2.70	0.00	205.79	3.33	109.62	0.58	18.47	N/A	N/A	N/A	N/A
553	5.53	3.11	83.96	4.00	1.34E-007	5.78E-004	12.00	42.23	0.00	0.00	0.00	70.02	15.00	201.11	2.17	0.30	9.64	192.60	0.00	1.00	2.52	0.00	201.11	3.55	114.04	0.58	18.52	N/A	N/A	N/A	N/A
554	5.54	3.01	87.14	4.00	1.08E-007	4.49E-004	12.00	40.83	0.00	0.00	0.00	70.56	15.00	194.43	2.09	0.30	9.32	193.17	0.00	1.00	2.34	0.00	194.43	3.81	118.41	0.58	18.55	N/A	N/A	N/A	N/A
555	5.55	2.89	91.32	4.00	8.19E-008	3.27E-004	12.00	39.15	0.00	0.00	0.00	71.25	15.00	186.41	2.00	0.30	8.93	193.91	0.00	1.00	2.14	0.00	186.41	4.17	124.10	0.58	18.59	N/A	N/A	N/A	N/A
556	5.56	2.81	95.82	4.00	6.56E-008	2.54E-004	12.00	38.02	0.00	0.00	0.00	72.22	15.00	181.07	1.94	0.30	8.67	195.00	0.00	1.00	1.98	0.00	181.07	4.48	129.41	0.58	18.63	N/A	N/A	N/A	N/A
557	5.57	2.74	97.55	4.00	5.64E-008	2.13E-004	12.00	37.04	0.00	0.00	0.00	72.35	15.00	176.39	1.89	0.30	8.43	195.11	0.00	1.00	1.90	0.00	176.39	4.70	132.14	0.58	18.64	N/A	N/A	N/A	N/A
558	5.58	2.69	99.46	4.00	4.98E-008	1.84E-004	12.00	36.34	0.00	0.00	0.00	72.65	15.00	173.04	1.85	0.30	8.26	195.44	0.00	1.00	1.83	0.00	173.04	4.89	134.66	0.58	18.66	N/A	N/A	N/A	N/A
559	5.59	2.61	100.61	4.00	4.24E-008	1.52E-004	11.00	35.21	0.00	0.00	0.00	72.48	15.00	167.69	1.78	0.30	8.00	195.21	0.00	1.00	1.75	0.00	167.69	5.14	137.09	0.58	18.66	N/A	N/A	N/A	N/A
560	5.60	2.57	100.51	4.00	3.95E-008	1.40E-004	11.00	34.65	0.00	0.00	0.00	72.22	15.00	165.01	1.75	0.30	7.86	194.89	0.00	1.00	1.72	0.00	165.01	5.26	137.69	0.58	18.65	N/A	N/A	N/A	N/A
561	5.61	2.54	99.36	4.00	3.82E-008	1.33E-004	11.00	34.23	0.00	0.00	0.00	71.70	15.00	163.00	1.73	0.30	7.75	194.28	0.00	1.00	1.72	0.00	163.00	5.31	137.19	0.58	18.64	N/A	N/A	N/A	N/A
562	5.62	2.48	97.58	4.00	3.55E-008	1.21E-004	11.00	33.39	0.00	0.00	0.00	70.76	15.00	158.98	1.68	0.30	7.54	193.16	0.00	1.00	1.71	0.00	158.98	5.44	136.71	0.58	18.61	N/A	N/A	N/A	N/A
563	5.63	2.41	95.48	3.00	3.25E-008	1.07E-004	11.00	32.40	0.00	0.00	0.00	69.65	15.00	154.30	1.63	0.30	7.31	191.82	0.00	1.00	1.70	0.00	154.30	5.59	136.12	0.58	18.57	N/A	N/A	N/A	N/A
564	5.64	2.38	93.92	3.00	3.16E-008	1.03E-004	11.00	31.98	0.00	0.00	0.00	68.99	15.00	152.29	1.61	0.30	7.20	191.03	0.00	1.00	1.70	0.00	152.29	5.63	135.24	0.58	18.55	N/A	N/A	N/A	N/A
565	5.65	2.38	92.79	3.00	3.22E-008	1.05E-004	11.00	31.98	0.00	0.00	0.00	68.69	15.00	152.28	1.60	0.30	7.19	190.69	0.00	1.00	1.72	0.00	152.28	5.60	134.16	0.58	18.53	N/A	N/A	N/A	N/A
566	5.66	2.41	90.37	4.00	3.57E-008	1.18E-004	11.00	32.39	0.00	0.00	0.00	68.20	15.00	154.26	1.62	0.30	7.27	190.14	0.00	1.00	1.79	0.00	154.26	5.42	131.36	0.58	18.51	N/A	N/A	N/A	N/A
567	5.67	2.43	88.44	4.00	3.85E-008	1.28E-004	11.00	32.67	0.00	0.00	0.00	67.78	15.00	155.58	1.63	0.30	7.31	189.67	0.00	1.00	1.85	0.00	155.58	5.30	129.18	0.58	18.48	N/A	N/A	N/A	N/A
568	5.68	2.51	86.20	4.00	4.65E-008	1.60E-004	11.00	33.79	0.00	0.00	0.00	67.68	15.00	160.89	1.68	0.30	7.54	189.61	0.00	1.00	1.96	0.00	160.89	5.00	125.62	0.58	18.47	N/A	N/A	N/A	N/A
569	5.69	2.49	80.83	4.00	5.07E-008	1.73E-004	11.00	33.50	0.00	0.00	0.00	65.80	15.00	159.53	1.67	0.30	7.46	187.35	0.00	1.00	2.07	0.00	159.53	4.86	121.00	0.58	18.39	N/A	N/A	N/A	N/A
570	5.70	2.48	76.65	4.00	5.49E-008	1.87E-004	11.00	33.36	0.00	0.00	0.00	64.35	15.00	158.85	1.65	0.30	7.42	185.59	0.00	1.00	2.18	0.00	158.85	4.74	117.21	0.58	18.33	N/A	N/A	N/A	N/A
571	5.71	2.48	76.65	4.00	5.47E-008	1.86E-004	11.00	33.36	0.00	0.00	0.00	64.39	15.00	158.84	1.65	0.30	7.40	185.66	0.00	1.00	2.18	0.00	158.84	4.75	117.16	0.58	18.33	N/A	N/A	N/A	N/A
572	5.72	2.43	73.37	4.00	5.41E-008	1.80E-004	10.00	32.66	0.00	0.00	0.00	62.96	15.00	155.50	1.61	0.30	7.24	183.87	0.00	1.00	2.23	0.00	155.50	4.76	114.87	0.58	18.27	N/A	N/A	N/A	N/A
573	5.73	2.42	70.45	4.00	5.72E-008	1.90E-004	10.00	32.51	0.00	0.00	0.00	61.90	15.00	154.81	1.60	0.30	7.19	182.55	0.00	1.00	2.31	0.00	154.81	4.68	112.17	0.58	18.22	N/A	N/A	N/A	N/A
574	5.74	2.41	67.35	4.00	6.09E-008	2.01E-004	10.00	32.37	0.00	0.00	0.00	60.75	15.00	154.12	1.59	0.30	7.15	181.12	0.00	1.00	2.40	0.00	154.12	4.59	109.26	0.58	18.17	N/A	N/A	N/A	N/A
575	5.75	2.38	64.95	4.00	6.14E-008	2.00E-004	10.00	31.94	0.00	0.00	0.00	59.71	15.00	152.11	1.57	0.30	7.04	179.79	0.00	1.00	2.46	0.00	152.11	4.57	107.35	0.58	18.12	N/A	N/A	N/A	N/A
576	5.76	2.37	62.11	4.00	6.53E-008	2.12E-004	10.00	31.80	0.00	0.00	0.00	58.62	15.00	151.43	1.56	0.30	7.00	178.40	0.00	1.00	2.56	0.00	151.43	4.49	104.62	0.58	18.07	N/A	N/A	N/A	N/A
577	5.77	2.35	60.94	4.00	6.48E-008	2.08E-004	10.00	31.52	0.00	0.00	0.00	58.08	15.00	150.08	1.54	0.30	6.92	177.71	0.00	1.00	2.59	0.00	150.08	4.50	103.72	0.58	18.04	N/A	N/A	N/A	N/A
578	5.78	2.33	60.28	4.00	6.35E-008	2.02E-004	10.00	31.24	0.00	0.00	0.00	57.74	15.00	148.75	1.53	0.30	6.85	177.27	0.00	1.00	2.59	0.00	148.75	4.53	103.35	0.58	18.03	N/A	N/A	N/A	N/A
579	5.79	2.29	60.03	4.00	5.90E-008	1.84E-004	10.00	30.68	0.00	0.00	0.00	57.43	15.00	146.08	1.50	0.30	6.71	176.83	0.00	1.00	2.56	0.00	146.08	4.63	103.73	0.58	18.02	N/A	N/A	N/A	N/A
580	5.80	2.30	60.19	4.00	5.96E-008	1.87E-004	10.00	30.81	0.00	0.00	0.00	57.60	15.00	146.74	1.50	0.30	6.73	177.07	0.00	1.00	2.56	0.00	146.74	4.62	103.69	0.58	18.02	N/A	N/A	N/A	N/A
581	5.81	2.28	60.89	4.00	5.58E-008	1.74E-004	10.00	30.53	0.00	0.00	0.00	57.77	15.00	145.39	1.48	0.30	6.66	177.29	0.00	1.00	2.51	0.00	145.39	4.72	104.71	0.58	18.03	N/A	N/A	N/A	N/A
582	5.82	2.45	61.92	4.00	7.41E-008	2.49E-004	10.00	32.91	0.00	0.00	0.00	59.31	15.00	156.72	1.60	0.30	7.16	179.41	0.00	1.00	2.66	0.00	156.72	4.31	102.85	0.58	18.08	N/A	N/A	N/A	N/A
583	5.83	2.68	62.97	4.00	1.06E-007	3.92E-004	11.00	36.13	0.00	0.00	0.00	61.18	15.00	172.07	1.75	0.30	7.85	181.94	0.00	1.00	2.87	0.00	172.07	3.83	100.17	0.58	18.13	N/A	N/A	N/A	N/A
584	5.84	2.83	64.56	4.00	1.29E-007	5.02E-004	11.00	38.23	0.00	0.00	0.00	62.72	15.00	182.07	1.85	0.30	8.29	183.96	0.00	1.00	2.96	0.00	182.07	3.60	99.40	0.58	18.18	N/A	N/A	N/A	N/A
585	5.85	2.85	65.01	4.00	1.31E-007	5.13E-004	11.00	38.52	0.00	0.00	0.00	63.06	15.00	183.43	1.86	0.30	8.34	184.40	0.00	1.00	2.96	0.00	183.43	3.58	99.49	0.58	18.19	N/A	N/A	N/A	N/A
586	5.86	2.65	65.77	4.00	9.25E-008	3.37E-004	11.00	35.73	0.00	0.00	0.00	62.22	15.00	170.15	1.72	0.30	7.72	183.24	0.00	1.00	2.72	0.00	170.15	4.01	103.22	0.58	18.18	N/A	N/A	N/A	N/A
587	5.87	2.51	66.44	4.00	7.10E-008	2.45E-004	10.00	33.77	0.00	0.00	0.00	61.64	15.00	160.80	1.62	0.30	7.29	182.44	0.00	1.00	2.54	0.00	160.80	4.37	106.11	0.58	18.17	N/A	N/A	N/A	N/A
588	5.88	2.43	67.18	4.00	6.00E-008	2.00E-004	10.00	32.65	0.00	0.00	0.00	61.44	15.00	155.45	1.57	0.30	7.04	182.14	0.00	1.00	2.43	0.00	155.45	4.61	108.13	0.58	18.17	N/A	N/A	N/A	N/A
589	5.89	2.30	69.24	4.00	4.42E-008	1.39E-004	10.00	30.82	0.00	0.00	0.00	61.36	15.00	146.77	1.48	0.30	6.64	181.96	0.00	1.00	2.23	0.00	146.77	5.08	112.32	0.58	18.18	N/A	N/A	N/A	N/A
590	5.90	2.15	71.26	4.00	3.08E-008	9.01E-005	10.00	28.72	0.00	0.00	0.00	61.05	15.00	136.75	1.37	0.30	6.17	181.46	0.00	1.00	2.01	0.00	136.75	5.68	116.87	0.58	18.19	N/A	N/A	N/A	N/A
591	5.91	2.03	73.87	3.00	2.21E-008	6.09E-005	9.00	27.03	0.00	0.00	0.00	61.09	15.00	128.74	1.29	0.30	5.80	181.42	0.00	1.00	1.83	0.00	128.74	6.28	121.45	0.58	18.21	N/A	N/A	N/A	N/A
592	5.92	1.95	77.10	3.00	1.69E-008	4.46E-005	9.00	25.90	0.00	0.00	0.00	61.58	15.00	123.35	1.23	0.30	5.55	181.97	0.00	1.00	1.68	0.00	123.35	6.80	125.86	0.58	18.24	N/A	N/A	N/A	N/A
593	5.93	1.94	78.16	3.00	1.60E-008	4.20E-005	9.00	25.76	0.00	0.00	0.00	61.89	15.00	122.67	1.22	0.30	5.51	182.37	0.00	1.00	1.65	0.00	122.67	6.91	126.95	0.58	18.26	N/A	N/A	N/A	N/A
594	5.94	2.12	78.95	3.00	2.33E-008	6.71E-005	10.00	28.28	0.00	0.00	0.00	63.64	15.00	134.69	1.34	0.30	6.04	184.70	0.00	1.00	1.79	0.00	134.69	6.18	124.44	0.58	18.30	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
595	5.95	2.11	79.99	3.00	2.21E-008	6.35E-005	10.00	28.14	0.00	0.00	0.00	63.96	15.00	134.02	1.33	0.30	6.00	185.09	0.00	1.00	1.76	0.00	134.02	6.28	125.51	0.58	18.31	N/A	N/A	N/A	N/A
596	5.96	2.05	81.35	3.00	1.87E-008	5.21E-005	10.00	27.30	0.00	0.00	0.00	63.98	15.00	130.01	1.29	0.30	5.81	185.08	0.00	1.00	1.68	0.00	130.01	6.60	127.74	0.58	18.32	N/A	N/A	N/A	N/A
597	5.97	1.93	83.05	3.00	1.36E-008	3.56E-005	9.00	25.62	0.00	0.00	0.00	63.59	15.00	121.99	1.21	0.30	5.44	184.50	0.00	1.00	1.54	0.00	121.99	7.24	131.30	0.58	18.32	N/A	N/A	N/A	N/A
598	5.98	1.90	85.89	3.00	1.18E-008	3.04E-005	9.00	25.19	0.00	0.00	0.00	64.28	15.00	119.97	1.19	0.30	5.34	185.34	0.00	1.00	1.47	0.00	119.97	7.54	134.27	0.58	18.36	N/A	N/A	N/A	N/A
599	5.99	1.87	87.62	3.00	1.05E-008	2.66E-005	9.00	24.77	0.00	0.00	0.00	64.60	15.00	117.95	1.16	0.30	5.24	185.72	0.00	1.00	1.41	0.00	117.95	7.80	136.22	0.58	18.37	N/A	N/A	N/A	N/A
600	6.00	1.78	91.59	3.00	7.67E-009	1.84E-005	9.00	23.51	0.00	0.00	0.00	65.03	15.00	111.94	1.10	0.30	4.97	186.18	0.00	1.00	1.28	0.00	111.94	8.52	141.06	0.58	18.41	N/A	N/A	N/A	N/A
601	6.01	1.67	92.95	3.00	5.54E-009	1.24E-005	9.00	21.97	0.00	0.00	0.00	64.42	15.00	104.60	1.03	0.30	4.63	185.33	0.00	1.00	1.18	0.00	104.60	9.32	143.87	0.91	18.40	N/A	N/A	N/A	N/A
602	6.02	1.71	95.06	3.00	5.87E-009	1.35E-005	9.00	22.52	0.00	0.00	0.00	65.48	15.00	107.24	1.05	0.30	4.74	186.68	0.00	1.00	1.18	0.00	107.24	9.17	144.93	0.93	18.43	N/A	N/A	N/A	N/A
603	6.03	1.57	98.12	3.00	3.71E-009	7.78E-006	9.00	20.56	0.00	0.00	0.00	64.96	15.00	97.90	0.96	0.30	4.32	185.92	0.00	1.00	1.05	0.00	97.90	10.38	149.46	0.96	18.44	N/A	N/A	N/A	N/A
604	6.04	1.54	100.01	3.00	3.25E-009	6.68E-006	9.00	20.14	0.00	0.00	0.00	65.21	15.00	95.88	0.94	0.30	4.22	186.20	0.00	1.00	1.01	0.00	95.88	10.75	151.31	0.98	18.45	N/A	N/A	N/A	N/A
605	6.05	1.52	99.41	3.00	3.09E-009	6.18E-006	8.00	19.64	0.00	0.00	0.00	64.87	15.00	94.54	0.92	0.30	4.16	185.77	0.00	1.00	1.00	0.00	94.54	10.90	151.00	0.97	18.44	N/A	N/A	N/A	N/A
606	6.06	1.52	97.36	3.00	3.20E-009	6.40E-006	8.00	19.60	0.00	0.00	0.00	64.34	15.00	94.52	0.92	0.30	4.15	185.13	0.00	1.00	1.02	0.00	94.52	10.79	149.23	0.95	18.42	N/A	N/A	N/A	N/A
607	6.07	1.56	96.95	3.00	3.62E-009	7.54E-006	9.00	20.41	0.00	0.00	0.00	64.71	15.00	97.18	0.95	0.30	4.26	185.64	0.00	1.00	1.05	0.00	97.18	10.45	148.23	0.94	18.42	N/A	N/A	N/A	N/A
608	6.08	1.62	96.61	3.00	4.32E-009	9.35E-006	9.00	21.25	0.00	0.00	0.00	65.29	15.00	101.17	0.98	0.30	4.42	186.42	0.00	1.00	1.10	0.00	101.17	9.97	146.99	0.94	18.43	N/A	N/A	N/A	N/A
609	6.09	1.69	92.65	3.00	5.67E-009	1.29E-005	9.00	22.22	0.00	0.00	0.00	64.90	15.00	105.83	1.03	0.30	4.62	186.02	0.00	1.00	1.20	0.00	105.83	9.26	142.56	0.90	18.40	N/A	N/A	N/A	N/A
610	6.10	1.73	88.81	3.00	6.84E-009	1.59E-005	9.00	22.78	0.00	0.00	0.00	64.18	15.00	108.49	1.05	0.30	4.73	185.19	0.00	1.00	1.28	0.00	108.49	8.80	138.60	0.58	18.36	N/A	N/A	N/A	N/A
611	6.11	1.78	84.65	3.00	8.52E-009	2.04E-005	9.00	23.48	0.00	0.00	0.00	63.41	15.00	111.81	1.08	0.30	4.86	184.30	0.00	1.00	1.39	0.00	111.81	8.27	134.13	0.58	18.31	N/A	N/A	N/A	N/A
612	6.12	1.81	79.32	3.00	1.04E-008	2.53E-005	9.00	23.90	0.00	0.00	0.00	62.03	15.00	113.80	1.10	0.30	4.94	182.61	0.00	1.00	1.51	0.00	113.80	7.82	128.83	0.58	18.25	N/A	N/A	N/A	N/A
613	6.13	1.84	76.85	3.00	1.19E-008	2.94E-005	9.00	24.31	0.00	0.00	0.00	61.52	15.00	115.78	1.12	0.30	5.02	182.02	0.00	1.00	1.58	0.00	115.78	7.53	126.03	0.58	18.22	N/A	N/A	N/A	N/A
614	6.14	1.87	74.98	3.00	1.33E-008	3.36E-005	9.00	24.73	0.00	0.00	0.00	61.20	15.00	117.77	1.13	0.30	5.10	181.65	0.00	1.00	1.65	0.00	117.77	7.29	123.75	0.58	18.19	N/A	N/A	N/A	N/A
615	6.15	1.91	73.65	3.00	1.51E-008	3.90E-005	9.00	25.29	0.00	0.00	0.00	61.13	15.00	120.43	1.16	0.30	5.20	181.61	0.00	1.00	1.72	0.00	120.43	7.02	121.79	0.58	18.18	N/A	N/A	N/A	N/A
616	6.16	1.95	71.51	3.00	1.75E-008	4.61E-005	9.00	25.85	0.00	0.00	0.00	60.76	15.00	123.09	1.18	0.30	5.31	181.19	0.00	1.00	1.81	0.00	123.09	6.73	119.06	0.58	18.16	N/A	N/A	N/A	N/A
617	6.17	2.03	65.99	3.00	2.44E-008	6.70E-005	9.00	26.97	0.00	0.00	0.00	59.44	15.00	128.42	1.23	0.30	5.53	179.60	0.00	1.00	2.04	0.00	128.42	6.10	112.40	0.58	18.08	N/A	N/A	N/A	N/A
618	6.18	2.08	73.46	3.00	2.21E-008	6.22E-005	10.00	27.67	0.00	0.00	0.00	62.55	15.00	131.74	1.26	0.30	5.66	183.56	0.00	1.00	1.88	0.00	131.74	6.28	118.60	0.58	18.21	N/A	N/A	N/A	N/A
619	6.19	2.15	78.16	3.00	2.26E-008	6.60E-005	10.00	28.64	0.00	0.00	0.00	64.76	15.00	136.40	1.30	0.30	5.85	186.35	0.00	1.00	1.83	0.00	136.40	6.23	121.67	0.58	18.30	N/A	N/A	N/A	N/A
620	6.20	2.27	80.43	3.00	2.72E-008	8.41E-005	10.00	30.32	0.00	0.00	0.00	66.50	15.00	144.39	1.37	0.30	6.19	188.55	0.00	1.00	1.89	0.00	144.39	5.90	121.64	0.58	18.35	N/A	N/A	N/A	N/A
621	6.21	2.42	78.56	4.00	3.78E-008	1.25E-004	11.00	32.42	0.00	0.00	0.00	66.97	15.00	154.38	1.47	0.30	6.61	189.24	0.00	1.00	2.06	0.00	154.38	5.33	117.42	0.58	18.35	N/A	N/A	N/A	N/A
622	6.22	2.52	77.22	4.00	4.67E-008	1.61E-004	11.00	33.82	0.00	0.00	0.00	67.23	15.00	161.04	1.53	0.30	6.89	189.62	0.00	1.00	2.19	0.00	161.04	4.99	114.53	0.58	18.34	N/A	N/A	N/A	N/A
623	6.23	2.57	74.56	4.00	5.44E-008	1.91E-004	11.00	34.52	0.00	0.00	0.00	66.64	15.00	164.36	1.56	0.30	7.02	188.96	0.00	1.00	2.31	0.00	164.36	4.76	111.29	0.58	18.31	N/A	N/A	N/A	N/A
624	6.24	2.60	72.07	4.00	6.09E-008	2.17E-004	11.00	34.93	0.00	0.00	0.00	65.96	15.00	166.35	1.57	0.30	7.10	188.16	0.00	1.00	2.42	0.00	166.35	4.59	108.51	0.58	18.28	N/A	N/A	N/A	N/A
625	6.25	2.63	74.56	4.00	5.98E-008	2.15E-004	11.00	35.35	0.00	0.00	0.00	67.12	15.00	168.34	1.59	0.30	7.17	189.59	0.00	1.00	2.37	0.00	168.34	4.61	110.25	0.58	18.32	N/A	N/A	N/A	N/A
626	6.26	2.63	76.84	4.00	5.62E-008	2.02E-004	11.00	35.35	0.00	0.00	0.00	68.00	15.00	168.32	1.58	0.30	7.16	190.65	0.00	1.00	2.30	0.00	168.32	4.71	112.25	0.58	18.35	N/A	N/A	N/A	N/A
627	6.27	2.63	76.46	4.00	5.65E-008	2.04E-004	11.00	35.35	0.00	0.00	0.00	67.91	15.00	168.31	1.58	0.30	7.14	190.55	0.00	1.00	2.31	0.00	168.31	4.70	111.87	0.58	18.35	N/A	N/A	N/A	N/A
628	6.28	2.61	77.21	4.00	5.34E-008	1.91E-004	11.00	35.06	0.00	0.00	0.00	68.10	15.00	166.96	1.57	0.30	7.07	190.77	0.00	1.00	2.27	0.00	166.96	4.78	112.81	0.58	18.36	N/A	N/A	N/A	N/A
629	6.29	2.59	77.91	4.00	5.04E-008	1.79E-004	11.00	34.78	0.00	0.00	0.00	68.27	15.00	165.62	1.55	0.30	7.00	190.97	0.00	1.00	2.23	0.00	165.62	4.87	113.71	0.58	18.36	N/A	N/A	N/A	N/A
630	6.30	2.57	79.17	4.00	4.70E-008	1.65E-004	11.00	34.50	0.00	0.00	0.00	68.63	15.00	164.27	1.54	0.30	6.93	191.40	0.00	1.00	2.18	0.00	164.27	4.98	115.09	0.58	18.38	N/A	N/A	N/A	N/A
631	6.31	2.54	79.74	4.00	4.38E-008	1.52E-004	11.00	34.07	0.00	0.00	0.00	68.68	15.00	162.26	1.51	0.30	6.84	191.45	0.00	1.00	2.14	0.00	162.26	5.09	116.03	0.58	18.38	N/A	N/A	N/A	N/A
632	6.32	2.57	81.85	4.00	4.37E-008	1.54E-004	11.00	34.49	0.00	0.00	0.00	69.68	15.00	164.25	1.53	0.30	6.91	192.66	0.00	1.00	2.11	0.00	164.25	5.09	117.34	0.58	18.42	N/A	N/A	N/A	N/A
633	6.33	2.67	83.62	4.00	4.96E-008	1.81E-004	11.00	35.89	0.00	0.00	0.00	71.03	15.00	170.91	1.59	0.30	7.18	194.30	0.00	1.00	2.15	0.00	170.91	4.90	117.22	0.58	18.46	N/A	N/A	N/A	N/A
634	6.34	2.79	84.50	4.00	5.89E-008	2.26E-004	12.00	37.57	0.00	0.00	0.00	72.17	15.00	178.90	1.66	0.30	7.51	195.71	0.00	1.00	2.22	0.00	178.90	4.64	116.03	0.58	18.49	N/A	N/A	N/A	N/A
635	6.35	2.85	85.62	4.00	6.29E-008	2.46E-004	12.00	38.41	0.00	0.00	0.00	73.00	15.00	182.89	1.70	0.30	7.67	196.71	0.00	1.00	2.24	0.00	182.89	4.54	116.00	0.58	18.51	N/A	N/A	N/A	N/A
636	6.36	2.91	86.43	4.00	6.75E-008	2.70E-004	12.00	39.24	0.00	0.00	0.00	73.72	15.00	186.88	1.73	0.30	7.82	197.57	0.00	1.00	2.27	0.00	186.88	4.44	115.71	0.58	18.53	N/A	N/A	N/A	N/A
637	6.37	2.93	87.96	4.00	6.70E-008	2.70E-004	12.00	39.52	0.00	0.00	0.00	74.44	15.00	188.20	1.74	0.30	7.87	198.41	0.00	1.00	2.25	0.00	188.20	4.45	116.63	0.58	18.55	N/A	N/A	N/A	N/A
638	6.38	2.91	86.57	4.00	6.68E-008	2.67E-004	12.00	39.24	0.00	0.00	0.00	73.87	15.00	186.85	1.72	0.30	7.80	197.76	0.00	1.00	2.27	0.00	186.85	4.45	115.74	0.58	18.53	N/A	N/A	N/A	N/A
639	6.39	2.73	86.12	4.00	5.04E-008	1.89E-004	12.00	36.71	0.00	0.00	0.00	72.60	15.00	174.83	1.61	0.30	7.28	196.21	0.00	1.00	2.13	0.00	174.83	4.87	118.11	0.58	18.50	N/A	N/A	N/A	N/A
640	6.40	2.58	85.98	4.00	3.91E-008	1.38E-004	11.00	34.61	0.00	0.00	0.00	71.58	15.00	164.82	1.52	0.30	6.84	194.96	0.00	1.00	2.01	0.00	164.82	5.28	120.31	0.58	18.48	N/A	N/A	N/A	N/A
641	6.41	2.45	85.67	4.00	3.10E-008	1.04E-004	11.00	32.79	0.00	0.00	0.00	70.61	15.00	156.13	1.43	0.30	6.46	193.76	0.00	1.00	1.91	0.00	156.13	5.67	122.08	0.58	18.45	N/A	N/A	N/A	N/A
642	6.42	2.33	84.85	3.00	2.51E-008	7.95E-005	11.00	31.10	0.00	0.00	0.00	69.50	15.00	148.11	1.36	0.30	6.12	192.38	0.00	1.00	1.83	0.00	148.11	6.04	123.24	0.58	18.42	N/A	N/A	N/A	N/A
643	6.43	2.24	84.22	3.00	2.12E-008	6.45E-005	10.00	29.84	0.00	0.00	0.00	68.65	15.00	142.10	1.30	0.30	5.85	191.33	0.00	1.00	1.77	0.00	142.10	6.36	124.08	0.58	18.40	N/A	N/A	N/A	N/A
644	6.44	2.18	83.89	3.00	1.88E-008	5.56E-005	10.00	29.00	0.00	0.00	0.00	68.12	15.00	138.09	1.26	0.30	5.68	190.67	0.00	1.00	1.73	0.00	138.09	6.59	124.69	0.58	18.38	N/A	N/A	N/A	N/A
645	6.45	2.17	83.68	3.00	1.84E-008	5.42E-005	10.00	28.86	0.00	0.00	0.00	68.02	15.00	137.41	1.25	0.30	5.64	190.55	0.00	1.00	1.72	0.00	137.41	6.63	124.60	0.58	18.38	N/A	N/A	N/A	N/A
646	6.46	2.18	82.83	3.00	1.91E-008	5.65E-005	10.00	28.99	0.00	0.00	0.00	67.86	15.00	138.06	1.26	0.30	5.66	190.37	0.00	1.00	1.75	0.00	138.06	6.56	123.66	0.58	18.37	N/A	N/A	N/A	N/A
647	6.47	2.18	80.78	3.00	2.00E-008	5.90E-005	10.00	28.99	0.00	0.00	0.00	67.20	15.00	138.05	1.25	0.30	5.65	189.59	0.00	1.00	1.79	0.00	138.05	6.47	121.84	0.58	18.34	N/A	N/A	N/A	N/A
648	6.48	2.15	78.51	3.00	1.97E-008	5.75E-005	10.00	28.57	0.00	0.00	0.00	66.22	15.00	136.04	1.23	0.30	5.56	188.41	0.00	1.00	1.82	0.00	136.04	6.49	120.28	0.58	18.30	N/A	N/A	N/A	N/A
649	6.49	2.14	75.03	3.00	2.10E-008	6.09E-005	10.00	28.43	0.00	0.00	0.00	64.96	15.00	135.37	1.23	0.30	5.52	186.88	0.00	1.00	1.89	0.00	135.37	6.37	117.31	0.58	18.25	N/A	N/A	N/A	N/A
650	6.50	2.18	72.08	3.00	2.46E-008	7.28E-005	10.00	28.99	0.00	0.00	0.00	64.24	15.00	138.05	1.25	0.30	5.63	186.04	0.00	1.00	2.01	0.00	138.05	6.08	113.99	0.58	18.21	N/A	N/A	N/A	N/A
651	6.51	2.22	67.06	4.00	3.06E-008	9.22E-005	10.00	29.55	0.00	0.00	0.00	62.70	15.00	140.73	1.27	0.30	5.73	184.18	0.00	1.00	2.20	0.00	140.73	5.69	108.72	0.58	18.13	N/A	N/A	N/A	N/A
652	6.52	2.26	65.46	4.00	3.46E-008	1.06E-004	10.00	30.11	0.00	0.00	0.00	62.41	15.00	143.39	1.29	0.30	5.84	183.86	0.00	1.00	2.30	0.00	143.39	5.48	106.56	0.58	18.11	N/A	N/A	N/A	N/A
653	6.53	2.34	64.19	4.00	4.19E-008	1.33E-004	10.00	31.23	0.00	0.00	0.00	62.50	15.00	148.71	1.34	0.30	6.05	184.04	0.00	1.00	2.43	0.00	148.71	5.16	104.10	0.58	18.10	N/A	N/A	N/A	N/A
654	6.54	2.38	63.00	4.00	4.66E-008	1.51E-004	10.00	31.79	0.00	0.00	0.00	62.33	15.00	151.36	1.36	0.30	6.15	183.87	0.00	1.00	2.52	0.00	151.36	4.99	102.34	0.58	18.09	N/A	N/A	N/A	N/A
655	6.55	2.31	62.11	4.00	4.17E-008	1.31E-004	10.00	30.80	0.00	0.00	0.00	61.55	15.00	146.68	1.32	0.30	5.95	182.86	0.00	1.00	2.48	0.00	146.68	5.17	102.52	0.58	18.06	N/A	N/A	N/A	N/A
656	6.56	2.27	62.21	4.00	3.82E-008	1.18E-004	10.00	30.24	0.00	0.00	0.00	61.36	15.00	144.00	1.29	0.30	5.83	182.60	0.00	1.00	2.43	0.00	144.00	5.31	103.19	0.58	18.05	N/A	N/A	N/A	N/A
657	6.57	2.22	63.37	4.00	3.32E-008	1.00E-004	10.00	29.54	0.00	0.00	0.00	61.52	15.00	140.65	1.26	0.30	5.68	182.77	0.00	1.00	2.33	0.00	140.65	5.55	105.01	0.58	18.07	N/A	N/A	N/A	N/A
658	6.58	2.18	63.60	4.00	3.02E-008	8.93E-005	10.00	28.97	0.00	0.00	0.00	61.37	15.00	137.97	1.23	0.30	5.56	182.56	0.00	1.00	2.28	0.00	137.97	5.71	105.79	0.58	18.06	N/A	N/A	N/A	N/A
659	6.59	2.14	64.10	4.00	2.73E-008	7.90E-005	10.00	28.41	0.00	0.00	0.00	61.32	15.00	135.29	1.21	0.30	5.44	182.48	0.00	1.00	2.22	0.00	135.29	5.89	106.83	0.58	18.07	N/A	N/A	N/A	N/A
660	6.60	2.17	66.05	4.00	2.73E-008	8.03E-005	10.00	28.83	0.00	0.00	0.00	62.33	15.00	137.27	1.22	0.30	5.51	183.77	0.00	1.00	2.18	0.00	137.27	5.89	108.15	0.58	18.11	N/A	N/A	N/A	N/A

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
661	6.61	2.22	68.80	4.00	2.79E-008	8.41E-005	10.00	29.53	0.00	0.00	0.00	63.78	15.00	140.60	1.25	0.30	5.64	185.61	0.00	1.00	2.15	0.00	140.60	5.85	109.87	0.58	18.16	N/A	N/A	N/A	N/A
662	6.62	2.24	71.76	4.00	2.67E-008	8.12E-005	10.00	29.80	0.00	0.00	0.00	65.08	15.00	141.92	1.26	0.30	5.68	187.23	0.00	1.00	2.08	0.00	141.92	5.93	112.19	0.58	18.21	N/A	N/A	N/A	N/A
663	6.63	2.28	74.41	4.00	2.69E-008	8.33E-005	10.00	30.36	0.00	0.00	0.00	66.40	15.00	144.58	1.28	0.30	5.78	188.86	0.00	1.00	2.04	0.00	144.58	5.92	113.88	0.58	18.26	N/A	N/A	N/A	N/A
664	6.64	2.31	76.18	4.00	2.72E-008	8.53E-005	10.00	30.78	0.00	0.00	0.00	67.31	15.00	146.57	1.30	0.30	5.85	189.98	0.00	1.00	2.02	0.00	146.57	5.90	114.92	0.58	18.29	N/A	N/A	N/A	N/A
665	6.65	2.32	75.39	4.00	2.82E-008	8.88E-005	10.00	30.92	0.00	0.00	0.00	67.13	15.00	147.22	1.30	0.30	5.86	189.79	0.00	1.00	2.05	0.00	147.22	5.83	114.04	0.58	18.28	N/A	N/A	N/A	N/A
666	6.66	2.32	75.10	4.00	2.83E-008	8.91E-005	10.00	30.91	0.00	0.00	0.00	67.07	15.00	147.20	1.30	0.30	5.85	189.72	0.00	1.00	2.06	0.00	147.20	5.83	113.73	0.58	18.28	N/A	N/A	N/A	N/A
667	6.67	2.25	74.95	3.00	2.46E-008	7.50E-005	10.00	29.93	0.00	0.00	0.00	66.55	15.00	142.52	1.25	0.30	5.65	189.07	0.00	1.00	2.00	0.00	142.52	6.08	114.61	0.58	18.26	N/A	N/A	N/A	N/A
668	6.68	2.17	74.88	3.00	2.08E-008	6.10E-005	10.00	28.81	0.00	0.00	0.00	65.98	15.00	137.18	1.20	0.30	5.43	188.32	0.00	1.00	1.92	0.00	137.18	6.40	115.70	0.58	18.25	N/A	N/A	N/A	N/A
669	6.69	2.18	75.14	3.00	2.10E-008	6.19E-005	10.00	28.94	0.00	0.00	0.00	66.19	15.00	137.83	1.21	0.30	5.45	188.60	0.00	1.00	1.93	0.00	137.83	6.38	115.73	0.58	18.26	N/A	N/A	N/A	N/A
670	6.70	2.20	76.74	3.00	2.09E-008	6.23E-005	10.00	29.22	0.00	0.00	0.00	66.97	15.00	139.15	1.22	0.30	5.49	189.56	0.00	1.00	1.90	0.00	139.15	6.38	116.76	0.58	18.28	N/A	N/A	N/A	N/A
671	6.71	2.18	77.31	3.00	1.97E-008	5.81E-005	10.00	28.94	0.00	0.00	0.00	67.07	15.00	137.81	1.20	0.30	5.42	189.67	0.00	1.00	1.87	0.00	137.81	6.50	117.49	0.58	18.29	N/A	N/A	N/A	N/A
672	6.72	2.34	78.73	4.00	2.62E-008	8.32E-005	11.00	31.18	0.00	0.00	0.00	68.81	15.00	148.47	1.30	0.30	5.85	191.87	0.00	1.00	1.98	0.00	148.47	5.97	116.27	0.58	18.34	N/A	N/A	N/A	N/A
673	6.73	2.48	81.66	4.00	3.16E-008	1.07E-004	11.00	33.14	0.00	0.00	0.00	70.91	15.00	157.80	1.37	0.30	6.21	194.44	0.00	1.00	2.03	0.00	157.80	5.63	116.59	0.58	18.40	N/A	N/A	N/A	N/A
674	6.74	2.63	83.46	4.00	3.95E-008	1.42E-004	12.00	35.24	0.00	0.00	0.00	72.64	15.00	167.79	1.46	0.30	6.60	196.54	0.00	1.00	2.11	0.00	167.79	5.26	115.80	0.58	18.45	N/A	N/A	N/A	N/A
675	6.75	2.76	82.99	4.00	4.95E-008	1.87E-004	12.00	37.05	0.00	0.00	0.00	73.38	15.00	176.45	1.53	0.30	6.95	197.47	0.00	1.00	2.23	0.00	176.45	4.90	113.45	0.58	18.46	N/A	N/A	N/A	N/A
676	6.76	2.86	83.81	4.00	5.68E-008	2.23E-004	12.00	38.45	0.00	0.00	0.00	74.36	15.00	183.11	1.59	0.30	7.20	198.66	0.00	1.00	2.29	0.00	183.11	4.69	112.62	0.58	18.49	N/A	N/A	N/A	N/A
677	6.77	3.04	85.38	4.00	7.19E-008	3.00E-004	13.00	40.97	0.00	0.00	0.00	76.11	15.00	195.10	1.69	0.30	7.68	200.73	0.00	1.00	2.40	0.00	195.10	4.35	111.28	0.58	18.53	N/A	N/A	N/A	N/A
678	6.78	3.18	85.86	4.00	8.69E-008	3.80E-004	13.00	42.93	0.00	0.00	0.00	77.17	15.00	204.43	1.77	0.30	8.04	201.99	0.00	1.00	2.50	0.00	204.43	4.09	109.69	0.58	18.55	N/A	N/A	N/A	N/A
679	6.79	3.23	84.09	4.00	9.67E-008	4.30E-004	13.00	43.63	0.00	0.00	0.00	76.84	15.00	207.75	1.79	0.30	8.17	201.66	0.00	1.00	2.59	0.00	207.75	3.95	107.57	0.58	18.54	N/A	N/A	N/A	N/A
680	6.80	3.43	81.44	4.00	1.34E-007	6.36E-004	13.00	46.43	0.00	0.00	0.00	76.98	15.00	221.08	1.90	0.30	8.70	201.92	0.00	1.00	2.85	0.00	221.08	3.55	102.86	0.58	18.52	N/A	N/A	N/A	N/A
681	6.81	3.65	79.52	4.00	1.85E-007	9.36E-004	14.00	49.50	0.00	0.00	0.00	77.43	15.00	235.73	2.03	0.30	9.29	202.52	0.00	1.00	3.11	0.00	235.73	3.19	98.73	0.58	18.52	N/A	N/A	N/A	N/A
682	6.82	3.39	76.23	4.00	1.44E-007	6.72E-004	13.00	45.86	0.00	0.00	0.00	74.80	15.00	218.38	1.87	0.30	8.57	199.47	0.00	1.00	3.01	0.00	218.38	3.47	99.15	0.58	18.44	N/A	N/A	N/A	N/A
683	6.83	3.18	73.46	4.00	1.15E-007	5.04E-004	13.00	42.91	0.00	0.00	0.00	72.59	15.00	204.36	1.75	0.30	8.00	196.86	0.00	1.00	2.92	0.00	204.36	3.73	99.48	0.58	18.37	N/A	N/A	N/A	N/A
684	6.84	2.85	72.80	4.00	7.11E-008	2.78E-004	12.00	38.29	0.00	0.00	0.00	70.47	15.00	182.34	1.56	0.30	7.10	194.24	0.00	1.00	2.63	0.00	182.34	4.36	103.29	0.58	18.32	N/A	N/A	N/A	N/A
685	6.85	2.60	73.43	4.00	4.59E-008	1.63E-004	11.00	34.79	0.00	0.00	0.00	69.20	15.00	165.65	1.42	0.30	6.42	192.62	0.00	1.00	2.37	0.00	165.65	5.02	107.33	0.58	18.30	N/A	N/A	N/A	N/A
686	6.86	2.54	74.03	4.00	4.05E-008	1.40E-004	11.00	33.94	0.00	0.00	0.00	69.08	15.00	161.63	1.38	0.30	6.25	192.45	0.00	1.00	2.29	0.00	161.63	5.22	108.67	0.58	18.30	N/A	N/A	N/A	N/A
687	6.87	2.52	75.55	4.00	3.74E-008	1.28E-004	11.00	33.66	0.00	0.00	0.00	69.57	15.00	160.29	1.37	0.30	6.18	193.03	0.00	1.00	2.23	0.00	160.29	5.35	110.22	0.58	18.32	N/A	N/A	N/A	N/A
688	6.88	2.63	76.81	4.00	4.39E-008	1.57E-004	11.00	35.20	0.00	0.00	0.00	70.82	15.00	167.63	1.43	0.30	6.46	194.57	0.00	1.00	2.29	0.00	167.63	5.09	109.65	0.58	18.35	N/A	N/A	N/A	N/A
689	6.89	2.74	77.15	4.00	5.22E-008	1.96E-004	12.00	36.74	0.00	0.00	0.00	71.71	15.00	174.96	1.49	0.30	6.75	195.67	0.00	1.00	2.38	0.00	174.96	4.82	108.32	0.58	18.37	N/A	N/A	N/A	N/A
690	6.90	2.90	76.77	4.00	6.80E-008	2.70E-004	12.00	38.98	0.00	0.00	0.00	72.60	15.00	185.63	1.57	0.30	7.16	196.79	0.00	1.00	2.54	0.00	185.63	4.43	105.73	0.58	18.39	N/A	N/A	N/A	N/A
691	6.91	2.94	73.97	4.00	7.74E-008	3.12E-004	12.00	39.54	0.00	0.00	0.00	71.78	15.00	188.28	1.59	0.30	7.26	195.88	0.00	1.00	2.67	0.00	188.28	4.25	102.81	0.58	18.35	N/A	N/A	N/A	N/A
692	6.92	3.01	71.63	4.00	9.12E-008	3.77E-004	12.00	40.51	0.00	0.00	0.00	71.29	15.00	192.93	1.63	0.30	7.44	195.36	0.00	1.00	2.83	0.00	192.93	4.03	99.89	0.58	18.32	N/A	N/A	N/A	N/A
693	6.93	2.99	70.41	4.00	9.11E-008	3.73E-004	12.00	40.23	0.00	0.00	0.00	70.72	15.00	191.57	1.62	0.30	7.38	194.70	0.00	1.00	2.86	0.00	191.57	4.03	99.09	0.58	18.30	N/A	N/A	N/A	N/A
694	6.94	2.98	70.03	4.00	9.03E-008	3.69E-004	12.00	40.09	0.00	0.00	0.00	70.55	15.00	190.88	1.61	0.30	7.34	194.51	0.00	1.00	2.86	0.00	190.88	4.04	98.87	0.58	18.29	N/A	N/A	N/A	N/A
695	6.95	3.07	69.96	4.00	1.03E-007	4.34E-004	12.00	41.34	0.00	0.00	0.00	71.08	15.00	196.87	1.66	0.30	7.57	195.17	0.00	1.00	2.95	0.00	196.87	3.87	97.62	0.58	18.30	N/A	N/A	N/A	N/A
696	6.96	3.12	70.37	4.00	1.09E-007	4.68E-004	12.00	42.04	0.00	0.00	0.00	71.57	15.00	200.19	1.68	0.30	7.69	195.78	0.00	1.00	2.99	0.00	200.19	3.80	97.31	0.58	18.32	N/A	N/A	N/A	N/A
697	6.97	3.04	72.74	4.00	9.09E-008	3.79E-004	12.00	40.92	0.00	0.00	0.00	72.13	15.00	194.84	1.63	0.30	7.46	196.39	0.00	1.00	2.81	0.00	194.84	4.03	100.28	0.58	18.35	N/A	N/A	N/A	N/A
698	6.98	2.91	72.64	4.00	7.44E-008	2.97E-004	12.00	39.09	0.00	0.00	0.00	71.38	15.00	186.16	1.56	0.30	7.11	195.47	0.00	1.00	2.69	0.00	186.16	4.30	101.89	0.58	18.33	N/A	N/A	N/A	N/A
699	6.99	2.73	72.14	4.00	5.62E-008	2.09E-004	12.00	36.57	0.00	0.00	0.00	70.13	15.00	174.13	1.46	0.30	6.62	193.92	0.00	1.00	2.53	0.00	174.13	4.71	103.89	0.58	18.29	N/A	N/A	N/A	N/A
700	7.00	2.57	72.08	4.00	4.25E-008	1.49E-004	11.00	34.32	0.00	0.00	0.00	69.14	15.00	163.43	1.36	0.30	6.19	192.67	0.00	1.00	2.38	0.00	163.43	5.14	106.03	0.58	18.27	N/A	N/A	N/A	N/A
701	7.01	2.43	72.58	4.00	3.23E-008	1.07E-004	11.00	32.36	0.00	0.00	0.00	68.44	15.00	154.10	1.28	0.30	5.81	191.77	0.00	1.00	2.23	0.00	154.10	5.59	108.39	0.58	18.26	N/A	N/A	N/A	N/A
702	7.02	2.31	72.23	4.00	2.58E-008	8.06E-005	11.00	30.68	0.00	0.00	0.00	67.52	15.00	146.12	1.22	0.30	5.49	190.60	0.00	1.00	2.12	0.00	146.12	5.99	109.73	0.58	18.23	N/A	N/A	N/A	N/A
703	7.03	2.27	71.73	4.00	2.40E-008	7.37E-005	10.00	30.12	0.00	0.00	0.00	67.09	15.00	143.44	1.19	0.30	5.38	190.07	0.00	1.00	2.10	0.00	143.44	6.12	109.82	0.58	18.22	N/A	N/A	N/A	N/A
704	7.04	2.22	68.58	4.00	2.35E-008	7.05E-005	10.00	29.42	0.00	0.00	0.00	65.55	15.00	140.09	1.16	0.30	5.25	188.19	0.00	1.00	2.14	0.00	140.09	6.16	107.74	0.58	18.16	N/A	N/A	N/A	N/A
705	7.05	2.21	67.63	4.00	2.36E-008	7.03E-005	10.00	29.28	0.00	0.00	0.00	65.15	15.00	139.42	1.16	0.30	5.21	187.70	0.00	1.00	2.16	0.00	139.42	6.16	107.00	0.58	18.14	N/A	N/A	N/A	N/A
706	7.06	2.18	67.41	3.00	2.22E-008	6.52E-005	10.00	28.85	0.00	0.00	0.00	64.89	15.00	137.40	1.14	0.30	5.13	187.37	0.00	1.00	2.14	0.00	137.40	6.27	107.18	0.58	18.13	N/A	N/A	N/A	N/A
707	7.07	2.10	67.92	3.00	1.83E-008	5.18E-005	10.00	27.73	0.00	0.00	0.00	64.54	15.00	132.06	1.09	0.30	4.91	186.90	0.00	1.00	2.04	0.00	132.06	6.64	108.68	0.58	18.13	N/A	N/A	N/A	N/A
708	7.08	2.05	68.83	3.00	1.59E-008	4.39E-005	10.00	27.03	0.00	0.00	0.00	64.52	15.00	128.72	1.06	0.30	4.78	186.84	0.00	1.00	1.96	0.00	128.72	6.91	110.14	0.58	18.13	N/A	N/A	N/A	N/A
709	7.09	1.98	69.27	3.00	1.34E-008	3.56E-005	10.00	26.05	0.00	0.00	0.00	64.14	15.00	124.05	1.02	0.30	4.60	186.32	0.00	1.00	1.88	0.00	124.05	7.27	111.46	0.58	18.13	N/A	N/A	N/A	N/A
710	7.10	1.92	70.69	3.00	1.12E-008	2.87E-005	9.00	25.21	0.00	0.00	0.00	64.19	15.00	120.04	0.99	0.30	4.44	186.33	0.00	1.00	1.78	0.00	120.04	7.66	113.48	0.58	18.14	N/A	N/A	N/A	N/A
711	7.11	1.86	72.90	3.00	9.15E-009	2.28E-005	9.00	24.40	0.00	0.00	0.00	64.51	15.00	116.21	0.95	0.30	4.29	186.68	0.00	1.00	1.67	0.00	116.21	8.11	116.09	0.58	18.16	N/A	N/A	N/A	N/A
712	7.12	1.83	79.74	3.00	7.22E-009	1.77E-005	9.00	24.05	0.00	0.00	0.00	66.72	15.00	114.51	0.94	0.30	4.23	189.33	0.00	1.00	1.51	0.00	114.51	8.67	122.06	0.58	18.26	N/A	N/A	N/A	N/A
713	7.13	1.72	82.15	3.00	5.18E-009	1.12E-005	9.00	21.28	0.00	0.00	0.00	66.54	15.00	107.48	0.88	0.30	3.96	189.02	0.00	1.00	1.37	0.00	107.48	9.49	125.29	0.67	18.27	N/A	N/A	N/A	N/A
714	7.14	1.81	84.34	3.00	6.21E-009	1.50E-005	9.00	23.73	0.00	0.00	0.00	68.23	15.00	113.59	0.93	0.30	4.18	191.14	0.00	1.00	1.41	0.00	113.59	9.03	125.80	0.69	18.32	N/A	N/A	N/A	N/A
715	7.15	1.79	88.60	3.00	5.37E-009	1.27E-005	10.00	23.19	0.00	0.00	0.00	69.49	15.00	112.36	0.92	0.30	4.13	192.62	0.00	1.00	1.33	0.00	112.36	9.40	129.29	0.72	18.37	N/A	N/A	N/A	N/A
716	7.16	1.90	87.59	3.00	7.12E-009	1.82E-005	10.00	25.09	0.00	0.00	0.00	70.25	15.00	119.48	0.97	0.30	4.38	193.63	0.00	1.00	1.43	0.00	119.48	8.70	127.06	0.58	18.38	N/A	N/A	N/A	N/A
717	7.17	1.96	79.43	3.00	9.83E-009	2.60E-005	10.00	25.91	0.00	0.00	0.00	68.07	15.00	123.39	1.00	0.30	4.52	191.12	0.00	1.00	1.63	0.00	123.39	7.95	119.72	0.58	18.28	N/A	N/A	N/A	N/A
718	7.18	2.02	69.83	3.00	1.43E-008	3.90E-005	10.00	26.75	0.00	0.00	0.00	65.15	15.00	127.38	1.04	0.30	4.66	187.68	0.00	1.00	1.92	0.00	127.38	7.14	110.79	0.58	18.14	N/A	N/A	N/A	N/A
719	7.19	2.05	59.62	3.00	2.05E-008	5.66E-005	10.00	27.16	0.00	0.00	0.00	61.41	15.00	129.33	1.05	0.30	4.73	183.11	0.00	1.00	2.28	0.00	129.33	6.42	101.26	0.58	17.97	N/A	N/A	N/A	N/A
720	7.20	2.08	56.97	4.00	2.37E-008	6.66E-005	10.00	27.57	0.00	0.00	0.00	60.55	15.00	131.29	1.06	0.30	4.80	182.06	0.00	1.00	2.42	0.00	131.29	6.15	98.39	0.58	17.92	N/A	N/A	N/A	N/A
721	7.21	2.11	56.09	4.00	2.59E-008	7.40E-005	10.00	27.98	0.00	0.00	0.00	60.42	15.00	133.25	1.08	0.30	4.87	181.92	0.00	1.00	2.49	0.00	133.25	5.98	97.13	0.58	17.91	N/A	N/A	N/A	N/A
722	7.22	2.25	55.52	4.00	3.54E-008	1.08E-004	10.00	29.95	0.00	0.00	0.00	61.16	15.00	142.64	1.15	0.30	5.22	182.98	0.00	1.00	2.70	0.00	142.64	5.44	94.68	0.58	17.92	N/A	N/A	N/A	N/A
723	7.23	2.48	54.99	4.00	5.62E-008	1.90E-004	11.00	33.18	0.00	0.00	0.00	62.43	15.00	157.99	1.27	0.30	5.81	184.72	0.00	1.00	3.02	0.00	157.99	4.71	91.11	0.58	17.95	N/A	N/A	N/A	N/A
724	7.24	2.36	54.14	4.00	4.59E-008	1.47E-004	10.00	31.50	0.00	0.00	0.00	61.34	15.00	150.01	1.21	0.30	5.49	183.30	0.00	1.00	2.91	0.00	150.01	5.02	91.85	0.58	17.91	N/A	N/A	N/A	N/A
725	7.25	2.30	55.56	4.00	3.88E-008	1.21E-004	10.00	30.66	0.00	0.00	0.00	61.63	15.00	146.00	1.17	0.30	5.33	183.62	0.00	1.00	2.76	0.00	146.00	5.29	93.95	0.58	17.93	N/A	N/A	N/A	N/A
726	7.26	2.34	58.96	4.00	3.74E-008	1.19E-004	10.00	31.21	0.00	0.00	0.00	63.41	15.00	148.62	1.19	0.30	5.41	185.87	0.00	1.00	2.65	0.00	148.62	5.35	96.54	0.58	18.01	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
727	7.27	2.38	64.34	4.00	3.42E-008	1.11E-004	11.00	31.76	0.00	0.00	0.00	65.99	15.00	151.26	1.21	0.30	5.50	189.05	0.00	1.00	2.47	0.00	151.26	5.50	100.79	0.58	18.11	N/A	N/A	N/A	N/A
728	7.28	2.41	67.85	4.00	3.26E-008	1.07E-004	11.00	32.18	0.00	0.00	0.00	67.67	15.00	153.24	1.23	0.30	5.56	191.10	0.00	1.00	2.37	0.00	153.24	5.58	103.40	0.58	18.18	N/A	N/A	N/A	N/A
729	7.29	2.45	69.21	4.00	3.37E-008	1.12E-004	11.00	32.73	0.00	0.00	0.00	68.53	15.00	155.87	1.25	0.30	5.65	192.15	0.00	1.00	2.36	0.00	155.87	5.52	103.99	0.58	18.21	N/A	N/A	N/A	N/A
730	7.30	2.30	71.65	4.00	2.35E-008	7.34E-005	11.00	30.63	0.00	0.00	0.00	68.52	15.00	145.87	1.16	0.30	5.26	192.05	0.00	1.00	2.14	0.00	145.87	6.16	108.01	0.58	18.22	N/A	N/A	N/A	N/A
731	7.31	2.19	73.67	3.00	1.77E-008	5.25E-005	10.00	29.09	0.00	0.00	0.00	68.53	15.00	138.53	1.10	0.30	4.97	192.00	0.00	1.00	1.97	0.00	138.53	6.70	111.11	0.58	18.24	N/A	N/A	N/A	N/A
732	7.32	2.37	75.14	4.00	2.44E-008	7.87E-005	11.00	31.61	0.00	0.00	0.00	70.46	15.00	150.53	1.20	0.30	5.41	194.40	0.00	1.00	2.10	0.00	150.53	6.09	109.88	0.58	18.29	N/A	N/A	N/A	N/A
733	7.33	2.61	78.36	4.00	3.50E-008	1.25E-004	12.00	34.97	0.00	0.00	0.00	73.39	15.00	166.55	1.32	0.30	6.00	197.95	0.00	1.00	2.23	0.00	166.55	5.46	109.25	0.58	18.37	N/A	N/A	N/A	N/A
734	7.34	2.82	79.35	4.00	4.85E-008	1.88E-004	12.00	37.92	0.00	0.00	0.00	75.17	15.00	180.55	1.43	0.30	6.52	200.10	0.00	1.00	2.39	0.00	180.55	4.93	107.21	0.58	18.42	N/A	N/A	N/A	N/A
735	7.35	3.15	80.61	4.00	7.78E-008	3.37E-004	13.00	42.54	0.00	0.00	0.00	77.69	15.00	202.56	1.61	0.30	7.35	203.09	0.00	1.00	2.64	0.00	202.56	4.24	103.91	0.58	18.48	N/A	N/A	N/A	N/A
736	7.36	3.16	81.74	4.00	7.65E-008	3.33E-004	13.00	42.67	0.00	0.00	0.00	78.25	15.00	203.21	1.61	0.30	7.36	203.72	0.00	1.00	2.61	0.00	203.21	4.26	104.63	0.58	18.50	N/A	N/A	N/A	N/A
737	7.37	3.18	82.93	4.00	7.63E-008	3.34E-004	13.00	42.95	0.00	0.00	0.00	78.88	15.00	204.53	1.62	0.30	7.40	204.43	0.00	1.00	2.59	0.00	204.53	4.27	105.26	0.58	18.52	N/A	N/A	N/A	N/A
738	7.38	3.19	84.31	4.00	7.46E-008	3.28E-004	13.00	43.09	0.00	0.00	0.00	79.53	15.00	205.18	1.62	0.30	7.41	205.16	0.00	1.00	2.56	0.00	205.18	4.30	106.16	0.58	18.54	N/A	N/A	N/A	N/A
739	7.39	3.23	83.16	4.00	8.08E-008	3.60E-004	13.00	43.64	0.00	0.00	0.00	79.35	15.00	207.83	1.64	0.30	7.50	204.99	0.00	1.00	2.62	0.00	207.83	4.19	104.75	0.58	18.52	N/A	N/A	N/A	N/A
740	7.40	3.25	82.29	4.00	8.46E-008	3.79E-004	13.00	43.92	0.00	0.00	0.00	79.17	15.00	209.15	1.65	0.30	7.55	204.81	0.00	1.00	2.67	0.00	209.15	4.13	103.80	0.58	18.51	N/A	N/A	N/A	N/A
741	7.41	3.27	79.45	4.00	9.27E-008	4.18E-004	13.00	44.20	0.00	0.00	0.00	78.18	15.00	210.46	1.65	0.30	7.59	203.74	0.00	1.00	2.78	0.00	210.46	4.01	101.35	0.58	18.48	N/A	N/A	N/A	N/A
742	7.42	3.25	77.12	4.00	9.52E-008	4.26E-004	13.00	43.92	0.00	0.00	0.00	77.17	15.00	209.14	1.64	0.30	7.54	202.61	0.00	1.00	2.85	0.00	209.14	3.97	99.75	0.58	18.44	N/A	N/A	N/A	N/A
743	7.43	3.12	79.29	4.00	7.46E-008	3.20E-004	13.00	42.09	0.00	0.00	0.00	77.36	15.00	200.41	1.57	0.30	7.19	202.78	0.00	1.00	2.65	0.00	200.41	4.30	103.02	0.58	18.46	N/A	N/A	N/A	N/A
744	7.44	2.99	77.23	4.00	6.43E-008	2.64E-004	13.00	40.26	0.00	0.00	0.00	75.81	15.00	191.71	1.50	0.30	6.86	201.00	0.00	1.00	2.61	0.00	191.71	4.51	103.00	0.58	18.41	N/A	N/A	N/A	N/A
745	7.45	2.84	75.12	4.00	5.34E-008	2.08E-004	12.00	38.15	0.00	0.00	0.00	74.10	15.00	181.68	1.42	0.30	6.47	198.99	0.00	1.00	2.54	0.00	181.68	4.78	103.20	0.58	18.36	N/A	N/A	N/A	N/A
746	7.46	2.52	74.69	4.00	3.10E-008	1.06E-004	11.00	33.66	0.00	0.00	0.00	71.93	15.00	160.28	1.25	0.30	5.66	196.33	0.00	1.00	2.25	0.00	160.28	5.67	106.98	0.58	18.31	N/A	N/A	N/A	N/A
747	7.47	2.41	82.95	3.00	2.05E-008	6.70E-005	11.00	32.11	0.00	0.00	0.00	74.39	15.00	152.92	1.19	0.30	5.37	199.10	0.00	1.00	1.94	0.00	152.92	6.42	114.91	0.58	18.41	N/A	N/A	N/A	N/A
748	7.48	2.37	84.28	3.00	1.83E-008	5.89E-005	11.00	31.55	0.00	0.00	0.00	74.62	15.00	150.24	1.17	0.30	5.26	199.35	0.00	1.00	1.87	0.00	150.24	6.64	116.41	0.58	18.42	N/A	N/A	N/A	N/A
749	7.49	2.34	77.56	3.00	2.02E-008	6.41E-005	11.00	31.13	0.00	0.00	0.00	71.94	15.00	148.24	1.15	0.30	5.19	196.26	0.00	1.00	2.01	0.00	148.24	6.45	111.48	0.58	18.32	N/A	N/A	N/A	N/A
750	7.50	2.29	71.42	3.00	2.14E-008	6.62E-005	11.00	30.43	0.00	0.00	0.00	69.22	15.00	144.89	1.12	0.30	5.07	193.07	0.00	1.00	2.13	0.00	144.89	6.34	107.10	0.58	18.22	N/A	N/A	N/A	N/A
751	7.51	2.25	71.23	3.00	1.97E-008	6.00E-005	11.00	29.86	0.00	0.00	0.00	68.90	15.00	142.21	1.10	0.30	4.96	192.67	0.00	1.00	2.10	0.00	142.21	6.50	107.41	0.58	18.21	N/A	N/A	N/A	N/A
752	7.52	2.15	70.92	3.00	1.61E-008	4.68E-005	10.00	28.47	0.00	0.00	0.00	68.02	15.00	135.55	1.05	0.30	4.72	191.55	0.00	1.00	2.01	0.00	135.55	6.89	108.43	0.58	18.19	N/A	N/A	N/A	N/A
753	7.53	2.05	70.77	3.00	1.30E-008	3.59E-005	10.00	27.07	0.00	0.00	0.00	67.16	15.00	128.89	1.00	0.30	4.48	190.44	0.00	1.00	1.91	0.00	128.89	7.34	109.58	0.58	18.17	N/A	N/A	N/A	N/A
754	7.54	2.03	70.63	3.00	1.24E-008	3.40E-005	10.00	26.79	0.00	0.00	0.00	66.97	15.00	127.56	0.98	0.30	4.43	190.21	0.00	1.00	1.90	0.00	127.56	7.43	109.67	0.58	18.16	N/A	N/A	N/A	N/A
755	7.55	1.96	71.23	3.00	1.04E-008	2.74E-005	10.00	25.81	0.00	0.00	0.00	66.62	15.00	122.89	0.95	0.30	4.26	189.73	0.00	1.00	1.81	0.00	122.89	7.82	111.02	0.58	18.16	N/A	N/A	N/A	N/A
756	7.56	1.95	72.97	3.00	9.67E-009	2.53E-005	10.00	25.65	0.00	0.00	0.00	67.21	15.00	122.15	0.94	0.30	4.23	190.44	0.00	1.00	1.76	0.00	122.15	7.98	112.55	0.58	18.18	N/A	N/A	N/A	N/A
757	7.57	1.79	72.29	3.00	6.63E-009	1.45E-005	9.00	21.47	0.00	0.00	0.00	65.50	15.00	111.46	0.86	0.30	3.85	188.22	0.00	1.00	1.62	0.00	111.46	8.87	113.92	0.56	18.14	N/A	N/A	N/A	N/A
758	7.58	1.74	71.69	3.00	5.90E-009	1.21E-005	9.00	20.18	0.00	0.00	0.00	64.83	15.00	108.12	0.83	0.30	3.73	187.36	0.00	1.00	1.58	0.00	108.12	9.16	113.98	0.55	18.12	N/A	N/A	N/A	N/A
759	7.59	1.73	70.53	3.00	5.90E-009	1.20E-005	9.00	19.90	0.00	0.00	0.00	64.34	15.00	107.45	0.82	0.30	3.70	186.76	0.00	1.00	1.60	0.00	107.45	9.16	113.09	0.54	18.10	N/A	N/A	N/A	N/A
760	7.60	1.74	69.68	3.00	6.19E-009	1.27E-005	9.00	20.13	0.00	0.00	0.00	64.17	15.00	108.14	0.83	0.30	3.72	186.57	0.00	1.00	1.63	0.00	108.14	9.04	112.21	0.53	18.08	N/A	N/A	N/A	N/A
761	7.61	1.96	67.54	3.00	1.13E-008	2.97E-005	10.00	25.81	0.00	0.00	0.00	65.46	15.00	122.90	0.94	0.30	4.23	188.38	0.00	1.00	1.91	0.00	122.90	7.64	107.65	0.58	18.09	N/A	N/A	N/A	N/A
762	7.62	2.11	65.33	3.00	1.67E-008	4.76E-005	10.00	27.93	0.00	0.00	0.00	65.92	15.00	132.99	1.01	0.30	4.57	189.10	0.00	1.00	2.14	0.00	132.99	6.82	103.78	0.58	18.08	N/A	N/A	N/A	N/A
763	7.63	2.37	64.86	4.00	2.90E-008	9.33E-005	11.00	31.60	0.00	0.00	0.00	67.67	15.00	150.47	1.15	0.30	5.19	191.40	0.00	1.00	2.44	0.00	150.47	5.79	100.04	0.58	18.12	N/A	N/A	N/A	N/A
764	7.64	3.34	64.10	4.00	1.43E-007	6.57E-004	13.00	45.19	0.00	0.00	0.00	72.99	15.00	215.17	1.64	0.30	7.58	198.14	0.00	1.00	3.52	0.00	215.17	3.48	87.83	0.58	18.24	N/A	N/A	N/A	N/A
765	7.65	3.78	62.99	5.00	2.58E-007	1.35E-003	14.00	51.35	29.00	33.49	60.92	74.63	0.00	0.00	0.00	0.30	0.00	200.21	-0.07	0.00	0.00	0.00	87.10	2.86	82.71	0.66	18.27	N/A	N/A	N/A	N/A
766	7.66	4.12	62.68	5.00	3.83E-007	2.19E-003	15.00	56.12	30.00	33.25	61.97	76.03	0.00	0.00	0.00	0.30	0.00	201.92	-0.07	0.00	0.00	0.00	86.41	2.52	79.83	0.58	18.29	N/A	N/A	N/A	N/A
767	7.67	4.52	62.24	5.00	5.88E-007	3.70E-003	15.00	61.72	32.00	33.02	63.07	77.50	0.00	0.00	0.00	0.30	0.00	203.71	-0.06	0.00	0.00	0.00	85.76	2.20	77.15	0.46	18.32	N/A	N/A	N/A	N/A
768	7.68	4.59	60.73	5.00	6.57E-007	4.20E-003	16.00	62.70	32.00	32.90	62.80	77.07	0.00	0.00	0.00	0.30	0.00	203.27	-0.06	0.00	0.00	0.00	85.49	2.13	75.83	0.41	18.30	N/A	N/A	N/A	N/A
769	7.69	4.66	61.29	5.00	6.90E-007	4.48E-003	16.00	63.68	32.00	32.90	63.22	77.66	0.00	0.00	0.00	0.30	0.00	203.96	-0.06	0.00	0.00	0.00	85.62	2.10	75.87	0.41	18.31	N/A	N/A	N/A	N/A
770	7.70	4.77	62.05	5.00	7.47E-007	4.97E-003	16.00	65.22	33.00	32.90	63.83	78.50	0.00	0.00	0.00	0.30	0.00	204.92	-0.06	0.00	0.00	0.00	85.75	2.05	75.91	0.42	18.34	N/A	N/A	N/A	N/A
771	7.71	5.00	64.26	5.00	8.64E-007	6.03E-003	17.00	68.44	33.00	32.95	65.24	80.49	0.00	0.00	0.00	0.30	0.00	207.18	-0.06	0.00	0.00	0.00	86.04	1.96	76.48	0.44	18.40	N/A	N/A	N/A	N/A
772	7.72	5.07	66.09	5.00	8.71E-007	6.16E-003	17.00	69.42	34.00	33.03	66.08	81.69	0.00	0.00	0.00	0.30	0.00	208.51	-0.06	0.00	0.00	0.00	86.41	1.96	77.31	0.47	18.43	N/A	N/A	N/A	N/A
773	7.73	5.07	69.88	5.00	7.83E-007	5.54E-003	17.00	69.41	34.00	33.22	67.36	83.56	0.00	0.00	0.00	0.30	0.00	210.52	-0.07	0.00	0.00	0.00	87.16	2.02	79.48	0.56	18.50	N/A	N/A	N/A	N/A
774	7.74	5.05	73.28	5.00	7.02E-007	4.94E-003	17.00	69.13	33.00	33.39	68.43	85.13	0.00	0.00	0.00	0.30	0.00	212.18	-0.07	0.00	0.00	0.00	87.86	2.09	81.51	0.66	18.55	N/A	N/A	N/A	N/A
775	7.75	4.97	78.65	5.00	5.69E-007	3.94E-003	17.00	68.00	33.00	33.68	69.91	87.33	0.00	0.00	0.00	0.30	0.00	214.47	-0.08	0.00	0.00	0.00	88.95	2.22	85.04	0.67	18.63	N/A	N/A	N/A	N/A
776	7.76	4.84	83.31	5.00	4.51E-007	3.04E-003	17.00	66.17	33.00	33.97	70.97	88.92	0.00	0.00	0.00	0.30	0.00	216.08	-0.08	0.00	0.00	0.00	90.03	2.39	88.57	0.67	18.68	N/A	N/A	N/A	N/A
777	7.77	4.66	84.75	5.00	3.66E-007	2.37E-003	17.00	63.64	32.00	34.12	70.88	88.83	0.00	0.00	0.00	0.30	0.00	215.95	-0.09	0.00	0.00	0.00	90.70	2.55	90.65	0.68	18.69	N/A	N/A	N/A	N/A
778	7.78	4.42	86.90	5.00	2.73E-007	1.68E-003	16.00	60.26	31.00	34.37	70.77	88.74	0.00	0.00	0.00	0.30	0.00	215.79	-0.09	0.00	0.00	0.00	91.64	2.81	93.88	0.68	18.70	N/A	N/A	N/A	N/A
779	7.79	3.65	88.23	4.00	1.10E-007	5.55E-004	15.00	49.47	0.00	0.00	0.00	85.58	15.00	235.56	1.76	0.30	8.11	212.23	0.00	1.00	2.80	0.00	235.56	3.79	102.33	0.58	18.64	N/A	N/A	N/A	N/A
780	7.80	3.50	90.05	4.00	8.69E-008	4.20E-004	14.00	47.36	0.00	0.00	0.00	85.55	15.00	225.54	1.68	0.30	7.72	212.15	0.00	1.00	2.63	0.00	225.54	4.09	105.30	0.58	18.65	N/A	N/A	N/A	N/A
781	7.81	3.19	89.74	4.00	5.70E-008	2.50E-004	14.00	43.02	0.00	0.00	0.00	83.71	15.00	204.87	1.52	0.30	6.96	210.08	0.00	1.00	2.40	0.00	204.87	4.69	108.73	0.58	18.61	N/A	N/A	N/A	N/A
782	7.82	3.02	91.63	4.00	4.23E-008	1.75E-004	13.00	40.63	0.00	0.00	0.00	83.45	15.00	193.49	1.44	0.30	6.54	209.74	0.00	1.00	2.22	0.00	193.49	5.15	112.14	0.58	18.61	N/A	N/A	N/A	N/A
783	7.83	2.78	92.77	4.00	2.81E-008	1.07E-004	13.00	37.28	0.00	0.00	0.00	82.39	15.00	177.52	1.32	0.30	5.95	208.49	0.00	1.00	2.01	0.00	177.52	5.84	115.86	0.58	18.59	N/A	N/A	N/A	N/A
784	7.84	2.36	96.67	3.00	1.23E-008	3.93E-005	12.00	31.41	0.00	0.00	0.00	80.56	15.00	149.59	1.11	0.30	4.98	206.25	0.00	1.00	1.62	0.00	149.59	7.46	123.87	0.58	18.58	N/A	N/A	N/A	N/A
785	7.85	2.06	97.87	3.00	6.48E-009	1.80E-005	11.00	27.24	0.00	0.00	0.00	78.23	15.00	129.69	0.96	0.30	4.31	203.45	0.00	1.00	1.39	0.00	129.69	8.93	128.32	0.72	18.54	N/A	N/A	N/A	N/A
786	7.86	1.85	97.03	3.00	4.05E-009	9.20E-006	10.00	22.28	0.00	0.00	0.00	75.87	15.00	115.83	0.85	0.30	3.85	200.63	0.00	1.00	1.25	0.00	115.83	10.14	130.02	0.72	18.49	N/A	N/A	N/A	N/A
787	7.87	1.61	90.69	3.00	2.45E-009	4.14E-006	9.00	16.57	0.00	0.00	0.00	71.21	15.00	99.96	0.74	0.30	3.32	195.05	0.00	1.00	1.16	0.00	99.96	11.58	127.94	0.67	18.36	N/A	N/A	N/A	N/A
788	7.88	1.42	85.52	3.00	1.54E-009	1.98E-006	9.00	12.64	0.00	0.00	0.00	67.29	15.00	87.36	0.64	0.30	2.89	190.20	0.00	1.00	1.07	0.00	87.36	13.05	125.88	0.63	18.25	N/A	N/A	N/A	N/A
789	7.89	1.34	85.40	3.00	1.17E-009	1.33E-006	8.00	11.13	0.00	0.00	0.00	66.26	15.00	82.03	0.60	0.30	2.71	188.86	0.00	0.85	1.01	27.92	82.03	13.97	126.36	0.63	18.22	N/A	N/A	N/A	N/A
790	7.90	1.26	86.42	3.00	9.22E-010	9.13E-007	8.00	9.71	0.00	0.00	0.00	65.53	15.00	76.69	0.56	0.30	2.53	187.87	0.00	0.83	0.93	27.54	76.69	15.11	127.61	0.63	18.21	N/A	N/A	N/A	N/A
791	7.91	1.34	88.82	3.00	1.09E-009	1.23E-006	8.00	11.12	0.00	0.00	0.00	67.43	15.00	82.10	0.60	0.30	2.71	190.29	0.00	0.85	0.97	28.12	82.10	14.25	128.64	0.65	18.27	N/A	N/A	N/A	N/A
792	7.92	1.47	86.93	3.00	1.73E-009	2.40E-006	9.00	13.57	0.00	0.00	0.00	68.54	15.00	90.77	0.66	0.30	2.99	191.79	0.00	1.00	1.10	0.00	90.77	12.66	126.18	0.64	18.28	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data								Estimations																				
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
793	7.93	1.52	80.59	3.00	2.33E-009	3.46E-006	9.00	14.57	0.00	0.00	0.00	67.08	15.00	94.13	0.69	0.30	3.10	190.12	0.00	1.00	1.23	0.00	94.13	11.73	121.05	0.59	18.20	N/A	N/A	N/A	N/A
794	7.94	1.58	74.38	3.00	3.24E-009	5.22E-006	9.00	15.82	0.00	0.00	0.00	65.64	15.00	98.14	0.72	0.30	3.22	188.47	0.00	1.00	1.39	0.00	98.14	10.77	115.71	0.54	18.13	N/A	N/A	N/A	N/A
795	7.95	1.67	72.77	3.00	4.32E-009	7.84E-006	9.00	17.78	0.00	0.00	0.00	66.06	15.00	104.12	0.76	0.30	3.42	189.10	0.00	1.00	1.50	0.00	104.12	9.96	113.48	0.53	18.12	N/A	N/A	N/A	N/A
796	7.96	1.73	70.82	3.00	5.32E-009	1.04E-005	9.00	19.14	0.00	0.00	0.00	65.99	15.00	108.10	0.79	0.30	3.54	189.09	0.00	1.00	1.60	0.00	108.10	9.42	111.24	0.52	18.10	N/A	N/A	N/A	N/A
797	7.97	1.77	70.78	3.00	5.89E-009	1.20E-005	9.00	20.07	0.00	0.00	0.00	66.41	15.00	110.74	0.81	0.30	3.62	189.65	0.00	1.00	1.64	0.00	110.74	9.17	110.72	0.51	18.11	N/A	N/A	N/A	N/A
798	7.98	1.91	69.93	3.00	8.49E-009	2.04E-005	10.00	23.58	0.00	0.00	0.00	67.47	15.00	120.12	0.87	0.30	3.93	191.09	0.00	1.00	1.80	0.00	120.12	8.28	108.39	0.58	18.13	N/A	N/A	N/A	N/A
799	7.99	2.06	69.33	3.00	1.21E-008	3.38E-005	10.00	27.34	0.00	0.00	0.00	68.64	15.00	130.20	0.94	0.30	4.25	192.64	0.00	1.00	1.97	0.00	130.20	7.49	106.06	0.58	18.15	N/A	N/A	N/A	N/A
800	8.00	2.17	69.90	3.00	1.51E-008	4.43E-005	11.00	28.89	0.00	0.00	0.00	69.86	15.00	137.59	1.00	0.30	4.48	194.18	0.00	1.00	2.07	0.00	137.59	7.03	105.12	0.58	18.18	N/A	N/A	N/A	N/A
801	8.01	2.31	71.48	3.00	1.91E-008	6.00E-005	11.00	30.86	0.00	0.00	0.00	71.69	15.00	146.97	1.06	0.30	4.78	196.44	0.00	1.00	2.16	0.00	146.97	6.56	104.61	0.58	18.23	N/A	N/A	N/A	N/A
802	8.02	2.24	75.70	3.00	1.45E-008	4.38E-005	11.00	29.68	0.00	0.00	0.00	72.68	15.00	141.34	1.02	0.30	4.60	197.51	0.00	1.00	1.96	0.00	141.34	7.11	108.95	0.58	18.28	N/A	N/A	N/A	N/A
803	8.03	2.15	77.15	3.00	1.15E-008	3.31E-005	11.00	28.35	0.00	0.00	0.00	72.45	15.00	135.00	0.97	0.30	4.38	197.17	0.00	1.00	1.84	0.00	135.00	7.61	111.19	0.58	18.28	N/A	N/A	N/A	N/A
804	8.04	2.01	79.17	3.00	8.01E-009	2.09E-005	10.00	25.60	0.00	0.00	0.00	71.96	15.00	125.67	0.91	0.30	4.07	196.48	0.00	1.00	1.67	0.00	125.67	8.42	114.35	0.58	18.29	N/A	N/A	N/A	N/A
805	8.05	1.85	78.92	3.00	5.50E-009	1.20E-005	10.00	21.41	0.00	0.00	0.00	70.35	15.00	115.00	0.83	0.30	3.72	194.46	0.00	1.00	1.53	0.00	115.00	9.34	115.91	0.57	18.25	N/A	N/A	N/A	N/A
806	8.06	1.90	80.56	3.00	5.97E-009	1.38E-005	10.00	22.67	0.00	0.00	0.00	71.50	15.00	118.41	0.85	0.30	3.83	195.85	0.00	1.00	1.54	0.00	118.41	9.13	116.53	0.58	18.29	N/A	N/A	N/A	N/A
807	8.07	1.96	81.69	3.00	6.70E-009	1.65E-005	10.00	24.22	0.00	0.00	0.00	72.54	15.00	122.47	0.88	0.30	3.96	197.12	0.00	1.00	1.57	0.00	122.47	8.85	116.64	0.59	18.31	N/A	N/A	N/A	N/A
808	8.08	2.06	85.63	3.00	7.67E-009	2.11E-005	11.00	26.92	0.00	0.00	0.00	74.97	15.00	129.19	0.93	0.30	4.17	199.99	0.00	1.00	1.58	0.00	129.19	8.52	118.34	0.58	18.39	N/A	N/A	N/A	N/A
809	8.09	2.09	88.45	3.00	7.70E-009	2.16E-005	11.00	27.57	0.00	0.00	0.00	76.31	15.00	131.28	0.94	0.30	4.23	201.53	0.00	1.00	1.56	0.00	131.28	8.51	119.97	0.58	18.43	N/A	N/A	N/A	N/A
810	8.10	2.28	96.18	3.00	9.73E-009	3.00E-005	11.00	30.26	0.00	0.00	0.00	80.84	15.00	144.08	1.03	0.30	4.63	206.71	0.00	1.00	1.57	0.00	144.08	7.97	123.13	0.58	18.56	N/A	N/A	N/A	N/A
811	8.11	2.50	106.92	3.00	1.20E-008	4.09E-005	12.00	33.37	0.00	0.00	0.00	86.55	15.00	158.92	1.13	0.30	5.11	212.98	0.00	1.00	1.56	0.00	158.92	7.50	127.71	0.58	18.72	N/A	N/A	N/A	N/A
812	8.12	2.58	112.25	3.00	1.26E-008	4.44E-005	13.00	34.53	0.00	0.00	0.00	89.10	15.00	164.45	1.17	0.30	5.28	215.71	0.00	1.00	1.54	0.00	164.45	7.40	130.16	0.58	18.79	N/A	N/A	N/A	N/A
813	8.13	2.66	119.23	3.00	1.29E-008	4.69E-005	13.00	35.71	0.00	0.00	0.00	92.17	15.00	170.03	1.21	0.30	5.45	218.92	0.00	1.00	1.50	0.00	170.03	7.36	133.58	0.58	18.87	N/A	N/A	N/A	N/A
814	8.14	3.34	125.09	4.00	3.28E-008	1.51E-004	15.00	45.23	0.00	0.00	0.00	99.36	15.00	215.39	1.53	0.30	6.94	226.45	0.00	1.00	1.81	0.00	215.39	5.57	128.96	0.58	19.01	N/A	N/A	N/A	N/A
815	8.15	4.15	118.96	4.00	9.85E-008	5.68E-004	17.00	56.58	0.00	0.00	0.00	101.98	15.00	269.41	1.91	0.30	8.85	229.26	0.00	1.00	2.38	0.00	269.41	3.93	115.82	0.58	19.03	N/A	N/A	N/A	N/A
816	8.16	3.84	113.91	4.00	7.31E-008	3.87E-004	16.00	51.92	0.00	0.00	0.00	98.36	15.00	247.25	1.75	0.30	8.07	225.64	0.00	1.00	2.28	0.00	247.25	4.33	116.31	0.58	18.95	N/A	N/A	N/A	N/A
817	8.17	3.53	102.34	4.00	6.08E-008	2.94E-004	15.00	47.50	0.00	0.00	0.00	92.26	15.00	226.19	1.60	0.30	7.34	219.44	0.00	1.00	2.32	0.00	226.19	4.59	112.37	0.58	18.80	N/A	N/A	N/A	N/A
818	8.18	3.10	100.12	4.00	3.45E-008	1.46E-004	14.00	41.46	0.00	0.00	0.00	88.87	15.00	197.41	1.40	0.30	6.34	215.80	0.00	1.00	2.07	0.00	197.41	5.48	115.85	0.58	18.72	N/A	N/A	N/A	N/A
819	8.19	2.68	98.58	3.00	1.80E-008	6.52E-005	13.00	35.55	0.00	0.00	0.00	85.39	15.00	169.30	1.20	0.30	5.38	211.96	0.00	1.00	1.80	0.00	169.30	6.67	119.71	0.58	18.65	N/A	N/A	N/A	N/A
820	8.20	2.38	97.36	3.00	1.07E-008	3.43E-005	12.00	31.35	0.00	0.00	0.00	82.42	15.00	149.29	1.05	0.30	4.74	208.57	0.00	1.00	1.61	0.00	149.29	7.75	122.47	0.58	18.59	N/A	N/A	N/A	N/A
821	8.21	2.13	96.47	3.00	6.56E-009	1.86E-005	11.00	27.85	0.00	0.00	0.00	79.81	15.00	132.62	0.93	0.30	4.20	205.53	0.00	1.00	1.44	0.00	132.62	8.90	124.70	0.68	18.53	N/A	N/A	N/A	N/A
822	8.22	2.03	95.50	3.00	5.34E-009	1.37E-005	11.00	25.11	0.00	0.00	0.00	78.52	15.00	125.94	0.89	0.30	3.99	204.03	0.00	1.00	1.38	0.00	125.94	9.41	125.08	0.67	18.50	N/A	N/A	N/A	N/A
823	8.23	1.94	95.32	3.00	4.34E-009	1.01E-005	10.00	22.74	0.00	0.00	0.00	77.57	15.00	119.94	0.84	0.30	3.79	202.89	0.00	1.00	1.32	0.00	119.94	9.96	125.85	0.67	18.48	N/A	N/A	N/A	N/A
824	8.24	1.92	95.12	3.00	4.14E-009	9.37E-006	10.00	22.21	0.00	0.00	0.00	77.33	15.00	118.60	0.83	0.30	3.75	202.62	0.00	1.00	1.31	0.00	118.60	10.08	125.86	0.67	18.48	N/A	N/A	N/A	N/A
825	8.25	1.89	93.54	3.00	3.97E-009	8.67E-006	10.00	21.45	0.00	0.00	0.00	76.53	15.00	116.62	0.82	0.30	3.68	201.70	0.00	1.00	1.31	0.00	116.62	10.20	125.02	0.66	18.45	N/A	N/A	N/A	N/A
826	8.26	2.09	91.19	3.00	6.60E-009	1.79E-005	11.00	26.60	0.00	0.00	0.00	77.82	15.00	129.98	0.91	0.30	4.09	203.34	0.00	1.00	1.50	0.00	129.98	8.88	121.20	0.64	18.46	N/A	N/A	N/A	N/A
827	8.27	2.29	90.25	3.00	1.02E-008	3.13E-005	11.00	30.10	0.00	0.00	0.00	79.42	15.00	143.33	1.00	0.30	4.51	205.30	0.00	1.00	1.67	0.00	143.33	7.87	118.20	0.58	18.49	N/A	N/A	N/A	N/A
828	8.28	2.84	88.73	4.00	2.81E-008	1.08E-004	13.00	37.81	0.00	0.00	0.00	83.32	15.00	180.06	1.26	0.30	5.68	209.92	0.00	1.00	2.13	0.00	180.06	5.84	110.57	0.58	18.55	N/A	N/A	N/A	N/A
829	8.29	3.34	83.51	4.00	6.76E-008	3.09E-004	14.00	44.82	0.00	0.00	0.00	84.26	15.00	213.45	1.49	0.30	6.84	211.14	0.00	1.00	2.68	0.00	213.45	4.44	101.17	0.58	18.54	N/A	N/A	N/A	N/A
830	8.30	3.21	77.77	4.00	6.42E-008	2.82E-004	13.00	43.00	0.00	0.00	0.00	81.14	15.00	204.75	1.43	0.30	6.55	207.74	0.00	1.00	2.76	0.00	204.75	4.51	98.42	0.58	18.44	N/A	N/A	N/A	N/A
831	8.31	3.12	80.68	4.00	5.22E-008	2.22E-004	13.00	41.73	0.00	0.00	0.00	81.91	15.00	198.72	1.38	0.30	6.32	208.55	0.00	1.00	2.59	0.00	198.72	4.82	101.53	0.58	18.48	N/A	N/A	N/A	N/A
832	8.32	2.78	84.42	4.00	2.77E-008	1.04E-004	13.00	36.96	0.00	0.00	0.00	81.40	15.00	176.01	1.22	0.30	5.52	207.86	0.00	1.00	2.19	0.00	176.01	5.87	108.04	0.58	18.48	N/A	N/A	N/A	N/A
833	8.33	2.56	87.19	3.00	1.77E-008	6.11E-005	12.00	33.87	0.00	0.00	0.00	80.90	15.00	161.30	1.12	0.30	5.03	207.19	0.00	1.00	1.94	0.00	161.30	6.71	112.54	0.58	18.49	N/A	N/A	N/A	N/A
834	8.34	2.36	90.47	3.00	1.14E-008	3.60E-005	12.00	31.07	0.00	0.00	0.00	80.43	15.00	147.95	1.02	0.30	4.61	206.52	0.00	1.00	1.72	0.00	147.95	7.62	117.20	0.58	18.50	N/A	N/A	N/A	N/A
835	8.35	2.24	90.30	3.00	8.98E-009	2.69E-005	11.00	29.39	0.00	0.00	0.00	79.32	15.00	139.94	0.97	0.30	4.36	205.21	0.00	1.00	1.63	0.00	139.94	8.15	118.42	0.58	18.48	N/A	N/A	N/A	N/A
836	8.36	2.06	90.14	3.00	6.11E-009	1.59E-005	11.00	25.44	0.00	0.00	0.00	77.57	15.00	127.91	0.88	0.30	3.98	203.13	0.00	1.00	1.49	0.00	127.91	9.07	120.26	0.62	18.44	N/A	N/A	N/A	N/A
837	8.37	1.91	57.53	3.00	9.88E-009	2.17E-005	10.00	21.58	0.00	0.00	0.00	63.62	15.00	117.89	0.81	0.30	3.66	186.73	0.00	1.00	2.15	0.00	117.89	7.94	96.87	0.58	17.90	N/A	N/A	N/A	N/A
838	8.38	1.79	85.17	3.00	3.54E-009	6.75E-006	10.00	18.73	0.00	0.00	0.00	73.10	15.00	109.89	0.76	0.30	3.41	197.83	0.00	1.00	1.35	0.00	109.89	10.51	119.44	0.59	18.32	N/A	N/A	N/A	N/A
839	8.39	1.54	81.93	3.00	1.88E-009	2.58E-006	9.00	13.46	0.00	0.00	0.00	69.14	15.00	93.22	0.64	0.30	2.89	192.93	0.00	1.00	1.19	0.00	93.22	12.40	119.33	0.56	18.22	N/A	N/A	N/A	N/A
840	8.40	1.43	77.88	3.00	1.45E-009	1.69E-006	9.00	11.41	0.00	0.00	0.00	66.41	15.00	85.87	0.59	0.30	2.66	189.54	0.00	1.00	1.16	0.00	85.87	13.24	117.24	0.54	18.14	N/A	N/A	N/A	N/A
841	8.41	1.32	77.55	3.00	9.87E-010	9.59E-007	8.00	9.53	0.00	0.00	0.00	64.89	15.00	78.53	0.54	0.30	2.43	187.54	0.00	1.00	1.06	0.00	78.53	14.55	117.73	0.53	18.10	N/A	N/A	N/A	N/A
842	8.42	1.32	77.14	3.00	9.91E-010	9.61E-007	8.00	9.52	0.00	0.00	0.00	64.79	15.00	78.53	0.54	0.30	2.42	187.42	0.00	1.00	1.07	0.00	78.53	14.53	117.38	0.53	18.09	N/A	N/A	N/A	N/A
843	8.43	1.34	73.06	3.00	1.19E-009	1.19E-006	8.00	9.83	0.00	0.00	0.00	63.68	15.00	79.87	0.55	0.30	2.46	186.10	0.00	1.00	1.15	0.00	79.87	13.92	114.21	0.50	18.04	N/A	N/A	N/A	N/A
844	8.44	1.51	67.42	3.00	2.43E-009	3.17E-006	9.00	12.81	0.00	0.00	0.00	63.75	15.00	91.21	0.62	0.30	2.81	186.45	0.00	1.00	1.42	0.00	91.21	11.60	108.58	0.46	17.99	N/A	N/A	N/A	N/A
845	8.45	1.67	64.56	3.00	4.21E-009	6.84E-006	9.00	15.96	0.00	0.00	0.00	64.45	15.00	101.88	0.70	0.30	3.13	187.52	0.00	1.00	1.66	0.00	101.88	10.04	104.83	0.44	17.98	N/A	N/A	N/A	N/A
846	8.46	1.93	62.44	3.00	8.70E-009	1.94E-005	10.00	21.83	0.00	0.00	0.00	66.19	15.00	119.22	0.81	0.30	3.66	189.95	0.00	1.00	2.00	0.00	119.22	8.23	100.40	0.58	18.00	N/A	N/A	N/A	N/A
847	8.47	2.14	69.78	3.00	1.14E-008	3.15E-005	11.00	27.22	0.00	0.00	0.00	71.13	15.00	133.23	0.91	0.30	4.09	196.00	0.00	1.00	2.00	0.00	133.23	7.63	103.88	0.58	18.16	N/A	N/A	N/A	N/A
848	8.48	2.18	77.19	3.00	1.02E-008	2.95E-005	11.00	28.28	0.00	0.00	0.00	74.45	15.00	135.88	0.93	0.30	4.16	199.84	0.00	1.00	1.85	0.00	135.88	7.86	109.04	0.58	18.29	N/A	N/A	N/A	N/A
849	8.49	2.21	85.63	3.00	8.94E-009	2.64E-005	11.00	28.95	0.00	0.00	0.00	77.93	15.00	137.87	0.94	0.30	4.22	203.77	0.00	1.00	1.69	0.00	137.87	8.16	114.80	0.58	18.41	N/A	N/A	N/A	N/A
850	8.50	2.42	92.56	3.00	1.16E-008	3.78E-005	12.00	31.90	0.00	0.00	0.00	82.42	15.00	151.92	1.03	0.30	4.64	208.85	0.00	1.00	1.72	0.00	151.92	7.58	117.22	0.58	18.54	N/A	N/A	N/A	N/A
851	8.51	2.63	93.94	3.00	1.65E-008	5.85E-005	13.00	34.86	0.00	0.00	0.00	84.79	15.00	165.98	1.13	0.30	5.07	211.56	0.00	1.00	1.86	0.00	165.98	6.85	115.67	0.58	18.59	N/A	N/A	N/A	N/A
852	8.52	2.99	95.57	4.00	2.86E-008	1.16E-004	14.00	39.90	0.00	0.00	0.00	88.15	15.00	190.01	1.29	0.30	5.82	215.31	0.00	1.00	2.09	0.00	190.01	5.81	112.61	0.58	18.65	N/A	N/A	N/A	N/A
853	8.53	3.34	97.62	4.00	4.61E-008	2.11E-004	14.00	44.81	0.00	0.00	0.00	91.16	15.00	213.40	1.44	0.30	6.59	218.56	0.00	1.00	2.30	0.00	213.40	5.01	110.08	0.58	18.72	N/A	N/A	N/A	N/A
854	8.54	3.60	99.67	4.00	6.26E-008	3.09E-004	15.00	48.46	0.00	0.00	0.00	93.51	15.00	230.75	1.56	0.30	7.16	221.05	0.00	1.00	2.43	0.00	230.75	4.55	108.56	0.58	18.77	N/A	N/A	N/A	N/A
855	8.55	3.78	92.44	4.00	9.10E-008	4.73E-004	15.00	50.98	0.00	0.00	0.00	91.60	15.00	242.76	1.64	0.30	7.58	219.18	0.00	1.00	2.76	0.00	242.76	4.03	101.86	0.58	18.71	N/A	N/A	N/A	N/A
856	8.56	4.29	85.98	4.00	1.89E-007	1.12E-003	16.00	58.15	0.00	0.00	0.00	91.39	15.00	276.88	1.87	0.30	8.77	219.13	0.00	1.00	3.38	0.00	276.88	3.17	92.70	0.58	18.67	N/A	N/A	N/A	N/A
857	8.57	4.73	86.36	5.00	2.94E-007	1.93E-003	17.00	64.33	31.00	34.03	74.54	93.55	0.00	0.00	0.00	0.30	0.00	221.46	-0.08	0.00	0.00	0.00	100.33	2.74	89.41	0.68	18.71	N/A	N/A	N/A	N/A
858	8.58	4.92	86.76	5.00	3.48E-007	2.38E-003	18.00	67.00	31.00	33.95	75.27	94.58	0.00	0.00	0.00	0.30	0.00	222.54	-0.08	0.00	0.00	0.00	100.14	2.59	88.32	0.67	18.73	N/A	N/A	N/A	N/A

GeoDeep
Sismica e Geotecnica

	In situ data								Estimations																			
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
859	8.59	5.06	88.87	5.00	3.77E-007	2.65E-003	18.00	68.96	32.00	33.97	76.36	96.14	0.00	0.00	0.00	0.30	0.00	224.15	-0.08	0.00	0.00	0.00	100.36	2.53	88.65	0.67	18.77	N/A	N/A	N/A	N/A
860	8.60	5.19	90.83	5.00	4.05E-007	2.93E-003	18.00	70.78	32.00	34.00	77.37	97.59	0.00	0.00	0.00	0.30	0.00	225.62	-0.08	0.00	0.00	0.00	100.58	2.47	88.96	0.67	18.81	N/A	N/A	N/A	N/A
861	8.61	5.34	95.67	5.00	4.17E-007	3.10E-003	19.00	72.89	33.00	34.13	79.28	100.38	0.00	0.00	0.00	0.30	0.00	228.40	-0.09	0.00	0.00	0.00	101.23	2.45	90.78	0.68	18.88	N/A	N/A	N/A	N/A
862	8.62	5.39	100.95	5.00	3.90E-007	2.92E-003	19.00	73.59	33.00	34.33	81.01	102.92	0.00	0.00	0.00	0.30	0.00	230.87	-0.09	0.00	0.00	0.00	102.10	2.50	93.37	0.68	18.94	N/A	N/A	N/A	N/A
863	8.63	5.43	100.17	5.00	4.09E-007	3.09E-003	19.00	74.15	33.00	34.28	80.94	102.80	0.00	0.00	0.00	0.30	0.00	230.77	-0.09	0.00	0.00	0.00	102.03	2.47	92.67	0.68	18.94	N/A	N/A	N/A	N/A
864	8.64	5.44	99.13	5.00	4.20E-007	3.18E-003	19.00	74.29	33.00	34.23	80.70	102.44	0.00	0.00	0.00	0.30	0.00	230.43	-0.09	0.00	0.00	0.00	101.98	2.44	92.02	0.68	18.93	N/A	N/A	N/A	N/A
865	8.65	5.47	92.33	5.00	4.94E-007	3.76E-003	19.00	74.71	33.00	33.93	78.81	99.62	0.00	0.00	0.00	0.30	0.00	227.71	-0.08	0.00	0.00	0.00	100.97	2.32	88.13	0.67	18.85	N/A	N/A	N/A	N/A
866	8.66	5.51	85.63	5.00	5.89E-007	4.52E-003	19.00	75.27	33.00	33.62	76.89	96.76	0.00	0.00	0.00	0.30	0.00	224.93	-0.08	0.00	0.00	0.00	99.93	2.20	84.29	0.67	18.76	N/A	N/A	N/A	N/A
867	8.67	5.53	88.72	5.00	5.58E-007	4.30E-003	19.00	75.55	33.00	33.75	77.95	98.31	0.00	0.00	0.00	0.30	0.00	226.46	-0.08	0.00	0.00	0.00	100.53	2.24	85.84	0.67	18.80	N/A	N/A	N/A	N/A
868	8.68	5.55	92.95	5.00	5.17E-007	3.99E-003	19.00	75.83	33.00	33.92	79.33	100.35	0.00	0.00	0.00	0.30	0.00	228.47	-0.08	0.00	0.00	0.00	101.31	2.29	87.99	0.67	18.86	N/A	N/A	N/A	N/A
869	8.69	5.55	89.30	5.00	5.57E-007	4.30E-003	19.00	75.83	33.00	33.76	78.26	98.75	0.00	0.00	0.00	0.30	0.00	226.91	-0.08	0.00	0.00	0.00	100.84	2.24	86.01	0.67	18.81	N/A	N/A	N/A	N/A
870	8.70	5.51	86.58	5.00	5.70E-007	4.38E-003	19.00	75.26	33.00	33.66	77.34	97.39	0.00	0.00	0.00	0.30	0.00	225.58	-0.08	0.00	0.00	0.00	100.56	2.22	84.71	0.67	18.78	N/A	N/A	N/A	N/A
871	8.71	5.47	81.52	5.00	6.17E-007	4.70E-003	19.00	74.70	33.00	33.45	75.67	94.92	0.00	0.00	0.00	0.30	0.00	223.13	-0.07	0.00	0.00	0.00	99.88	2.17	82.12	0.66	18.70	N/A	N/A	N/A	N/A
872	8.72	5.32	77.91	5.00	5.91E-007	4.37E-003	18.00	72.60	32.00	33.33	74.14	92.68	0.00	0.00	0.00	0.30	0.00	220.86	-0.07	0.00	0.00	0.00	99.55	2.20	80.73	0.62	18.64	N/A	N/A	N/A	N/A
873	8.73	5.19	75.61	5.00	5.56E-007	4.01E-003	18.00	70.77	32.00	33.26	73.06	91.13	0.00	0.00	0.00	0.30	0.00	219.25	-0.07	0.00	0.00	0.00	99.43	2.24	79.98	0.58	18.60	N/A	N/A	N/A	N/A
874	8.74	4.85	73.34	5.00	4.29E-007	2.89E-003	17.00	66.00	31.00	33.29	71.40	88.76	0.00	0.00	0.00	0.30	0.00	216.74	-0.07	0.00	0.00	0.00	99.66	2.43	80.32	0.60	18.54	N/A	N/A	N/A	N/A
875	8.75	4.60	75.68	5.00	3.16E-007	2.01E-003	17.00	62.49	30.00	33.54	71.47	88.92	0.00	0.00	0.00	0.30	0.00	216.85	-0.07	0.00	0.00	0.00	100.74	2.68	83.29	0.66	18.55	N/A	N/A	N/A	N/A
876	8.76	4.22	78.73	4.00	1.95E-007	1.14E-003	16.00	57.15	0.00	0.00	0.00	88.76	15.00	272.13	1.79	0.30	8.43	216.57	0.00	1.00	3.63	0.00	272.13	3.14	88.12	0.58	18.56	N/A	N/A	N/A	N/A
877	8.77	3.80	79.67	4.00	1.17E-007	6.10E-004	15.00	51.26	0.00	0.00	0.00	87.26	15.00	244.07	1.60	0.30	7.47	214.89	0.00	1.00	3.22	0.00	244.07	3.72	92.49	0.58	18.54	N/A	N/A	N/A	N/A
878	8.78	3.35	80.62	4.00	6.29E-008	2.88E-004	14.00	44.93	0.00	0.00	0.00	85.39	15.00	213.96	1.40	0.30	6.45	212.77	0.00	1.00	2.79	0.00	213.96	4.54	97.63	0.58	18.50	N/A	N/A	N/A	N/A
879	8.79	2.88	80.51	4.00	3.08E-008	1.20E-004	13.00	38.34	0.00	0.00	0.00	82.65	15.00	182.57	1.20	0.30	5.41	209.67	0.00	1.00	2.38	0.00	182.57	5.68	102.44	0.58	18.44	N/A	N/A	N/A	N/A
880	8.80	2.56	80.34	3.00	1.79E-008	6.17E-005	12.00	33.85	0.00	0.00	0.00	80.30	15.00	161.19	1.05	0.30	4.74	206.94	0.00	1.00	2.11	0.00	161.19	6.69	105.77	0.58	18.40	N/A	N/A	N/A	N/A
881	8.81	2.18	86.62	3.00	7.45E-009	2.06E-005	11.00	27.11	0.00	0.00	0.00	79.36	15.00	135.80	0.89	0.30	3.99	205.58	0.00	1.00	1.65	0.00	135.80	8.59	114.31	0.58	18.42	N/A	N/A	N/A	N/A
882	8.82	1.92	91.10	3.00	3.76E-009	7.89E-006	11.00	20.58	0.00	0.00	0.00	78.35	15.00	118.39	0.77	0.30	3.48	204.21	0.00	1.00	1.36	0.00	118.39	10.34	119.88	0.59	18.43	N/A	N/A	N/A	N/A
883	8.83	1.67	93.85	3.00	1.85E-009	2.85E-006	10.00	15.15	0.00	0.00	0.00	76.43	15.00	101.65	0.66	0.30	2.98	201.80	0.00	1.00	1.14	0.00	101.65	12.46	123.78	0.61	18.41	N/A	N/A	N/A	N/A
884	8.84	1.51	95.61	3.00	1.11E-009	1.37E-006	9.00	12.12	0.00	0.00	0.00	74.99	15.00	90.98	0.59	0.30	2.67	199.98	0.00	1.00	1.00	0.00	90.98	14.19	126.01	0.62	18.39	N/A	N/A	N/A	N/A
885	8.85	1.36	101.38	3.00	7.84E-010	7.67E-007	9.00	9.59	0.00	0.00	0.00	74.70	15.00	80.97	0.53	0.30	2.37	199.46	0.00	1.00	0.84	0.00	80.97	16.52	130.46	0.66	18.42	N/A	N/A	N/A	N/A
886	8.86	1.23	108.34	2.00	5.93E-010	4.61E-007	8.00	7.63	0.00	0.00	0.00	74.74	15.00	72.26	0.47	0.30	2.11	199.29	0.00	1.00	0.70	0.00	72.26	19.21	135.23	0.70	18.46	N/A	N/A	N/A	N/A
887	8.87	1.16	107.16	2.00	5.25E-010	3.57E-007	8.00	6.66	0.00	0.00	0.00	73.23	15.00	67.57	0.44	0.30	1.97	197.46	0.00	1.00	0.66	0.00	67.57	20.50	134.75	0.70	18.42	N/A	N/A	N/A	N/A
888	8.88	1.07	105.78	2.00	4.44E-010	2.50E-007	8.00	5.53	0.00	0.00	0.00	71.24	15.00	61.58	0.40	0.30	1.80	195.01	0.00	1.00	0.61	0.00	61.58	22.42	134.19	0.69	18.38	N/A	N/A	N/A	N/A
889	8.89	0.96	98.42	2.00	3.70E-010	1.61E-007	7.00	4.28	0.00	0.00	0.00	67.07	15.00	54.25	0.35	0.30	1.58	189.85	0.00	1.00	0.58	0.00	54.25	24.70	130.03	0.64	18.25	N/A	N/A	N/A	N/A
890	8.90	1.16	92.32	3.00	5.97E-010	4.05E-007	8.00	6.65	0.00	0.00	0.00	68.95	15.00	67.61	0.44	0.30	1.97	192.50	0.00	1.00	0.77	0.00	67.61	19.14	125.45	0.60	18.25	N/A	N/A	N/A	N/A
891	8.91	1.27	88.13	3.00	7.58E-010	6.31E-007	8.00	8.17	0.00	0.00	0.00	69.42	15.00	74.98	0.48	0.30	2.18	193.25	0.00	1.00	0.89	0.00	74.98	16.83	122.19	0.57	18.23	N/A	N/A	N/A	N/A
892	8.92	1.48	84.00	3.00	1.27E-009	1.49E-006	9.00	11.53	0.00	0.00	0.00	71.06	15.00	89.16	0.57	0.30	2.59	195.51	0.00	1.00	1.11	0.00	89.16	13.70	118.14	0.54	18.24	N/A	N/A	N/A	N/A
893	8.93	1.69	79.32	3.00	2.63E-009	4.15E-006	10.00	15.44	0.00	0.00	0.00	72.03	15.00	103.22	0.66	0.30	2.99	196.91	0.00	1.00	1.37	0.00	103.22	11.36	113.29	0.51	18.22	N/A	N/A	N/A	N/A
894	8.94	1.96	75.10	3.00	5.79E-009	1.26E-005	10.00	21.31	0.00	0.00	0.00	73.39	15.00	121.33	0.78	0.30	3.51	198.80	0.00	1.00	1.70	0.00	121.33	9.21	107.78	0.48	18.22	N/A	N/A	N/A	N/A
895	8.95	2.18	68.75	3.00	1.11E-008	3.03E-005	11.00	26.79	0.00	0.00	0.00	72.98	15.00	136.12	0.87	0.30	3.94	198.57	0.00	1.00	2.08	0.00	136.12	7.68	100.78	0.58	18.16	N/A	N/A	N/A	N/A
896	8.96	2.25	63.69	3.00	1.46E-008	4.26E-005	11.00	28.60	0.00	0.00	0.00	71.47	15.00	140.73	0.90	0.30	4.06	196.92	0.00	1.00	2.32	0.00	140.73	7.09	96.11	0.58	18.08	N/A	N/A	N/A	N/A
897	8.97	2.36	60.22	4.00	1.99E-008	6.31E-005	11.00	31.08	0.00	0.00	0.00	70.87	15.00	147.99	0.95	0.30	4.27	196.35	0.00	1.00	2.58	0.00	147.99	6.48	92.15	0.58	18.03	N/A	N/A	N/A	N/A
898	8.98	2.74	56.41	4.00	4.50E-008	1.67E-004	12.00	36.38	0.00	0.00	0.00	71.53	15.00	173.23	1.11	0.30	5.06	197.36	0.00	1.00	3.22	0.00	173.23	5.05	85.22	0.58	18.02	N/A	N/A	N/A	N/A
899	8.99	3.29	57.63	4.00	1.02E-007	4.58E-004	13.00	44.06	0.00	0.00	0.00	75.10	15.00	209.80	1.34	0.30	6.24	201.70	0.00	1.00	3.82	0.00	209.80	3.88	80.83	0.58	18.11	N/A	N/A	N/A	N/A
900	9.00	3.96	58.77	5.00	2.33E-007	1.27E-003	15.00	53.44	27.00	32.92	64.56	78.81	0.00	0.00	0.00	0.30	0.00	206.09	-0.06	0.00	0.00	0.00	101.32	2.96	76.03	0.42	18.20	N/A	N/A	N/A	N/A
901	9.01	4.56	60.42	5.00	4.26E-007	2.69E-003	16.00	61.84	29.00	32.67	66.99	82.17	0.00	0.00	0.00	0.30	0.00	209.94	-0.06	0.00	0.00	0.00	100.48	2.43	73.33	0.34	18.29	N/A	N/A	N/A	N/A
902	9.02	4.81	63.15	5.00	5.01E-007	3.33E-003	17.00	65.31	30.00	32.71	68.71	84.60	0.00	0.00	0.00	0.30	0.00	212.62	-0.06	0.00	0.00	0.00	100.77	2.31	73.81	0.35	18.36	N/A	N/A	N/A	N/A
903	9.03	5.14	65.28	5.00	6.37E-007	4.54E-003	17.00	69.88	31.00	32.70	70.38	86.97	0.00	0.00	0.00	0.30	0.00	215.20	-0.06	0.00	0.00	0.00	100.85	2.15	73.71	0.35	18.42	N/A	N/A	N/A	N/A
904	9.04	4.86	66.31	5.00	4.77E-007	3.20E-003	17.00	65.97	30.00	32.87	70.03	86.52	0.00	0.00	0.00	0.30	0.00	214.66	-0.06	0.00	0.00	0.00	101.61	2.35	75.49	0.40	18.42	N/A	N/A	N/A	N/A
905	9.05	4.46	67.57	5.00	3.08E-007	1.90E-003	16.00	60.38	29.00	33.14	69.36	85.64	0.00	0.00	0.00	0.30	0.00	213.63	-0.07	0.00	0.00	0.00	102.79	2.70	78.54	0.52	18.41	N/A	N/A	N/A	N/A
906	9.06	3.97	68.80	4.00	1.72E-007	9.41E-004	15.00	53.52	0.00	0.00	0.00	84.20	15.00	254.84	1.62	0.30	7.62	211.96	0.00	1.00	3.89	0.00	254.84	3.27	82.98	0.58	18.38	N/A	N/A	N/A	N/A
907	9.07	3.58	72.62	4.00	9.55E-008	4.68E-004	14.00	48.06	0.00	0.00	0.00	84.24	15.00	228.84	1.45	0.30	6.74	211.88	0.00	1.00	3.31	0.00	228.84	3.97	89.10	0.58	18.41	N/A	N/A	N/A	N/A
908	9.08	3.06	76.30	4.00	4.07E-008	1.69E-004	13.00	40.66	0.00	0.00	0.00	83.14	15.00	193.61	1.23	0.30	5.58	210.52	0.00	1.00	2.66	0.00	193.61	5.21	96.87	0.58	18.40	N/A	N/A	N/A	N/A
909	9.09	2.57	81.39	3.00	1.59E-008	5.46E-005	12.00	33.75	0.00	0.00	0.00	81.87	15.00	160.70	1.02	0.30	4.57	208.87	0.00	1.00	2.07	0.00	160.70	6.93	105.54	0.58	18.41	N/A	N/A	N/A	N/A
910	9.10	2.22	85.35	3.00	7.41E-009	2.03E-005	11.00	26.80	0.00	0.00	0.00	80.29	15.00	137.36	0.87	0.30	3.90	206.86	0.00	1.00	1.69	0.00	137.36	8.60	111.90	0.58	18.41	N/A	N/A	N/A	N/A
911	9.11	1.85	87.29	3.00	3.04E-009	5.59E-006	10.00	18.01	0.00	0.00	0.00	77.19	15.00	112.67	0.71	0.30	3.20	203.07	0.00	1.00	1.36	0.00	112.67	10.94	116.61	0.55	18.36	N/A	N/A	N/A	N/A
912	9.12	1.79	90.59	3.00	2.42E-009	4.14E-006	10.00	16.74	0.00	0.00	0.00	77.71	15.00	108.67	0.68	0.30	3.08	203.57	0.00	1.00	1.26	0.00	108.67	11.61	119.22	0.57	18.39	N/A	N/A	N/A	N/A
913	9.13	1.73	93.96	3.00	1.92E-009	3.04E-006	10.00	15.51	0.00	0.00	0.00	78.19	15.00	104.66	0.66	0.30	2.96	204.04	0.00	1.00	1.17	0.00	104.66	12.33	121.80	0.59	18.42	N/A	N/A	N/A	N/A
914	9.14	1.76	97.40	3.00	1.94E-009	3.18E-006	10.00	16.09	0.00	0.00	0.00	79.75	15.00	106.66	0.67	0.30	3.02	205.80	0.00	1.00	1.15	0.00	106.66	12.30	123.69	0.61	18.47	N/A	N/A	N/A	N/A
915	9.15	1.82	91.59	3.00	2.54E-009	4.48E-006	10.00	17.30	0.00	0.00	0.00	78.52	15.00	110.66	0.69	0.30	3.13	204.53	0.00	1.00	1.27	0.00	110.66	11.47	119.47	0.57	18.41	N/A	N/A	N/A	N/A
916	9.16	1.72	88.03	3.00	2.10E-009	3.26E-006	10.00	15.25	0.00	0.00	0.00	76.13	15.00	103.98	0.65	0.30	2.93	201.76	0.00	1.00	1.24	0.00	103.98	12.05	117.90	0.55	18.35	N/A	N/A	N/A	N/A
917	9.17	1.60	79.26	3.00	1.81E-009	2.39E-006	9.00	12.98	0.00	0.00	0.00	71.59	15.00	95.98	0.60	0.30	2.71	196.45	0.00	1.00	1.27	0.00	95.98	12.52	112.89	0.50	18.20	N/A	N/A	N/A	N/A
918	9.18	1.51	70.49	3.00	1.70E-009	1.98E-006	9.00	11.40	0.00	0.00	0.00	67.27	15.00	89.99	0.56	0.30	2.53	191.25	0.00	1.00	1.34	0.00	89.99	12.71	107.36	0.44	18.04	N/A	N/A	N/A	N/A
919	9.19	1.42	65.61	3.00	1.45E-009	1.46E-006	8.00	9.92	0.00	0.00	0.00	64.30	15.00	84.00	0.52	0.30	2.36	187.54	0.00	1.00	1.34	0.00	84.00	13.26	104.38	0.41	17.93	N/A	N/A	N/A	N/A
920	9.20	1.46	59.53	3.00	1.97E-009	2.12E-006	8.00	10.56	0.00	0.00	0.00	62.42	15.00	86.72	0.54	0.30	2.44	185.30	0.00	1.00	1.53	0.00	86.72	12.25	99.47	0.37	17.83	N/A	N/A	N/A	N/A
921	9.21	1.50	64.23	3.00	1.95E-009	2.23E-006	9.00	11.22	0.00	0.00	0.00	64.83	15.00	89.43	0.56	0.30	2.51	188.33	0.00	1.00	1.46	0.00	89.43	12.28	102.71	0.40	17.93	N/A	N/A	N/A	N/A
922	9.22	2.13	68.26	3.00	9.01E-009	2.23E-005	11.00	24.27	0.00	0.00	0.00	73.16	15.00	131.59	0.82	0.30	3.69	198.93	0.00	1.00	2.02	0.00	131.59	8.15	100.14	0.58	18.14	N/A	N/A	N/A	N/A
923	9.23	2.74	71.68	4.00	2.62E-008	9.68E-005	13.00	36.27	0.00	0.00	0.00	79.85	15.00	172.73	1.07	0.30	4.84	206.95	0.00	1.00	2.53	0.00	172.73	5.97	96.22	0.58	18.29	N/A	N/A	N/A	N/A
924	9.24	3.56	74.79	4.00	8.59E-008	4.21E-004	15.00	48.05	0.00	0.00	0.00	86.01	15.00	228.79	1.42	0.30	6.59	213.91	0.00	1.00	3.21	0.00	228.79	4.11	90.26	0.58	18.44	N/A	N/A	N/A	N/A

	In situ data				Estimations																								
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
925	9.25	4.71	78.22	5.00	2.96E-007	1.94E-003	17.00	64.40	29.00	33.52	74.51	92.96	0.00	0.00	0.00	0.30	0.00	221.42	-0.07	0.00	0.00	0.00	106.72	2.73	83.03	0.66	18.60	N/A	N/A	N/A	N/A
926	9.26	6.63	81.76	5.00	1.31E-006	1.22E-002	21.00	91.14	36.00	33.12	80.59	101.52	0.00	0.00	0.00	0.30	0.00	230.27	-0.07	0.00	0.00	0.00	105.23	1.76	78.35	0.51	18.78	N/A	N/A	N/A	N/A
927	9.27	8.03	81.29	5.00	3.16E-006	3.37E-002	24.00	104.44	40.00	33.33	83.33	105.34	0.00	0.00	0.00	0.30	0.00	234.16	-0.07	0.00	0.00	0.00	106.18	1.46	80.71	0.62	18.85	N/A	N/A	N/A	N/A
928	9.28	8.82	80.97	5.00	4.86E-006	5.26E-002	25.00	106.14	42.00	33.62	84.69	107.23	0.00	0.00	0.00	0.30	0.00	236.05	-0.08	0.00	0.00	0.00	107.48	1.37	84.19	0.66	18.88	N/A	N/A	N/A	N/A
929	9.29	9.68	81.62	6.00	7.28E-006	8.03E-002	26.00	108.29	44.00	34.02	86.40	109.65	0.00	0.00	0.00	0.30	0.00	238.43	-0.08	0.00	0.00	0.00	109.27	1.32	89.32	0.68	18.92	N/A	N/A	N/A	N/A
930	9.30	10.13	82.29	6.00	8.81E-006	9.84E-002	27.00	109.55	45.00	34.25	87.41	111.09	0.00	0.00	0.00	0.30	0.00	239.81	-0.09	0.00	0.00	0.00	110.35	1.29	92.36	0.68	18.95	N/A	N/A	N/A	N/A
931	9.31	10.68	82.33	6.00	1.12E-005	1.26E-001	28.00	110.69	47.00	34.53	88.31	112.36	0.00	0.00	0.00	0.30	0.00	241.05	-0.09	0.00	0.00	0.00	111.62	1.27	96.12	0.69	18.97	N/A	N/A	N/A	N/A
932	9.32	10.88	82.39	6.00	1.21E-005	1.38E-001	28.00	111.14	47.00	34.62	88.67	112.87	0.00	0.00	0.00	0.30	0.00	241.54	-0.10	0.00	0.00	0.00	112.15	1.26	97.47	0.69	18.98	N/A	N/A	N/A	N/A
933	9.33	11.04	81.64	6.00	1.32E-005	1.49E-001	28.00	111.14	47.00	34.69	88.68	112.84	0.00	0.00	0.00	0.30	0.00	241.55	-0.10	0.00	0.00	0.00	112.57	1.25	98.44	0.69	18.97	N/A	N/A	N/A	N/A
934	9.34	10.93	80.46	6.00	1.29E-005	1.45E-001	28.00	110.44	47.00	34.62	88.12	112.01	0.00	0.00	0.00	0.30	0.00	240.78	-0.10	0.00	0.00	0.00	112.41	1.26	97.46	0.69	18.95	N/A	N/A	N/A	N/A
935	9.35	10.81	82.45	6.00	1.17E-005	1.33E-001	28.00	111.17	47.00	34.57	88.70	112.88	0.00	0.00	0.00	0.30	0.00	241.57	-0.10	0.00	0.00	0.00	112.34	1.26	96.77	0.69	18.98	N/A	N/A	N/A	N/A
936	9.36	10.73	85.35	6.00	1.06E-005	1.21E-001	28.00	112.36	46.00	34.55	89.65	114.32	0.00	0.00	0.00	0.30	0.00	242.87	-0.09	0.00	0.00	0.00	112.38	1.27	96.46	0.69	19.01	N/A	N/A	N/A	N/A
937	9.37	10.50	88.36	6.00	8.94E-006	1.03E-001	28.00	113.30	46.00	34.46	90.40	115.46	0.00	0.00	0.00	0.30	0.00	243.88	-0.09	0.00	0.00	0.00	112.11	1.29	95.13	0.69	19.04	N/A	N/A	N/A	N/A
938	9.38	10.25	92.41	6.00	7.33E-006	8.57E-002	28.00	114.60	45.00	34.37	91.44	117.06	0.00	0.00	0.00	0.30	0.00	245.28	-0.09	0.00	0.00	0.00	111.86	1.31	93.89	0.68	19.09	N/A	N/A	N/A	N/A
939	9.39	10.08	93.59	6.00	6.61E-006	7.73E-002	27.00	114.81	45.00	34.29	91.60	117.31	0.00	0.00	0.00	0.30	0.00	245.50	-0.09	0.00	0.00	0.00	111.68	1.33	92.90	0.68	19.10	N/A	N/A	N/A	N/A
940	9.40	9.72	95.91	6.00	5.32E-006	6.24E-002	27.00	115.08	44.00	34.15	91.82	117.68	0.00	0.00	0.00	0.30	0.00	245.79	-0.09	0.00	0.00	0.00	111.23	1.36	91.04	0.68	19.11	N/A	N/A	N/A	N/A
941	9.41	9.52	103.27	5.00	4.17E-006	5.00E-002	27.00	117.73	43.00	34.17	93.93	120.88	0.00	0.00	0.00	0.30	0.00	248.60	-0.09	0.00	0.00	0.00	111.43	1.40	91.24	0.68	19.19	N/A	N/A	N/A	N/A
942	9.42	9.31	113.75	5.00	3.10E-006	3.83E-002	27.00	121.46	42.00	34.26	96.91	125.37	0.00	0.00	0.00	0.30	0.00	252.51	-0.09	0.00	0.00	0.00	111.96	1.47	92.51	0.68	19.29	N/A	N/A	N/A	N/A
943	9.43	9.15	120.21	5.00	2.55E-006	3.21E-002	27.00	123.60	42.00	34.34	98.62	127.96	0.00	0.00	0.00	0.30	0.00	254.73	-0.09	0.00	0.00	0.00	112.40	1.52	93.51	0.68	19.35	N/A	N/A	N/A	N/A
944	9.44	8.87	126.34	5.00	1.99E-006	2.54E-002	27.00	125.24	41.00	34.41	99.93	129.96	0.00	0.00	0.00	0.30	0.00	256.41	-0.09	0.00	0.00	0.00	112.83	1.59	94.48	0.68	19.39	N/A	N/A	N/A	N/A
945	9.45	8.65	127.45	5.00	1.73E-006	2.10E-002	27.00	118.82	41.00	34.41	99.85	129.86	0.00	0.00	0.00	0.30	0.00	256.31	-0.09	0.00	0.00	0.00	112.96	1.64	94.47	0.68	19.39	N/A	N/A	N/A	N/A
946	9.46	8.46	128.48	5.00	1.53E-006	1.82E-002	26.00	116.16	40.00	34.42	99.80	129.80	0.00	0.00	0.00	0.30	0.00	256.24	-0.09	0.00	0.00	0.00	113.13	1.69	94.60	0.69	19.39	N/A	N/A	N/A	N/A
947	9.47	8.23	129.03	5.00	1.33E-006	1.54E-002	26.00	112.93	39.00	34.43	99.51	129.39	0.00	0.00	0.00	0.30	0.00	255.88	-0.09	0.00	0.00	0.00	113.30	1.75	94.72	0.69	19.39	N/A	N/A	N/A	N/A
948	9.48	8.01	129.71	5.00	1.16E-006	1.30E-002	26.00	109.85	39.00	34.45	99.27	129.05	0.00	0.00	0.00	0.30	0.00	255.57	-0.09	0.00	0.00	0.00	113.53	1.81	95.03	0.69	19.38	N/A	N/A	N/A	N/A
949	9.49	7.83	126.55	5.00	1.10E-006	1.20E-002	25.00	107.33	38.00	34.38	98.01	127.16	0.00	0.00	0.00	0.30	0.00	253.94	-0.09	0.00	0.00	0.00	113.36	1.84	94.04	0.68	19.35	N/A	N/A	N/A	N/A
950	9.50	7.61	123.02	5.00	1.01E-006	1.08E-002	25.00	104.25	38.00	34.30	96.54	124.98	0.00	0.00	0.00	0.30	0.00	252.03	-0.09	0.00	0.00	0.00	113.16	1.88	92.98	0.68	19.30	N/A	N/A	N/A	N/A
951	9.51	7.35	117.42	5.00	9.45E-007	9.69E-003	24.00	100.60	37.00	34.17	94.35	121.72	0.00	0.00	0.00	0.30	0.00	249.16	-0.09	0.00	0.00	0.00	112.73	1.92	91.21	0.68	19.23	N/A	N/A	N/A	N/A
952	9.52	7.20	109.81	5.00	9.80E-007	9.84E-003	23.00	98.50	36.00	33.95	91.78	117.88	0.00	0.00	0.00	0.30	0.00	245.73	-0.08	0.00	0.00	0.00	111.95	1.90	88.41	0.67	19.15	N/A	N/A	N/A	N/A
953	9.53	7.03	105.74	5.00	9.43E-007	9.24E-003	23.00	96.12	36.00	33.84	90.19	115.51	0.00	0.00	0.00	0.30	0.00	243.59	-0.08	0.00	0.00	0.00	111.62	1.92	87.02	0.67	19.10	N/A	N/A	N/A	N/A
954	9.54	6.76	101.55	5.00	8.49E-007	7.99E-003	22.00	92.33	35.00	33.74	88.30	112.74	0.00	0.00	0.00	0.30	0.00	241.04	-0.08	0.00	0.00	0.00	111.33	1.97	85.78	0.67	19.04	N/A	N/A	N/A	N/A
955	9.55	6.48	96.98	5.00	7.61E-007	6.85E-003	22.00	88.41	34.00	33.64	86.24	109.71	0.00	0.00	0.00	0.30	0.00	238.21	-0.08	0.00	0.00	0.00	111.00	2.04	84.43	0.67	18.97	N/A	N/A	N/A	N/A
956	9.56	6.24	93.20	5.00	6.87E-007	5.96E-003	21.00	85.05	34.00	33.55	84.50	107.15	0.00	0.00	0.00	0.30	0.00	235.79	-0.07	0.00	0.00	0.00	110.76	2.10	83.36	0.66	18.91	N/A	N/A	N/A	N/A
957	9.57	5.85	91.58	5.00	5.24E-007	4.25E-003	20.00	79.58	32.00	33.60	83.04	105.05	0.00	0.00	0.00	0.30	0.00	233.75	-0.07	0.00	0.00	0.00	111.10	2.28	83.99	0.66	18.86	N/A	N/A	N/A	N/A
958	9.58	5.50	88.95	5.00	4.14E-007	3.15E-003	19.00	74.68	31.00	33.62	81.33	102.57	0.00	0.00	0.00	0.30	0.00	231.33	-0.08	0.00	0.00	0.00	111.31	2.46	84.24	0.66	18.80	N/A	N/A	N/A	N/A
959	9.59	5.11	87.52	5.00	3.01E-007	2.13E-003	19.00	69.22	30.00	33.73	79.83	100.44	0.00	0.00	0.00	0.30	0.00	229.19	-0.08	0.00	0.00	0.00	111.92	2.72	85.65	0.67	18.76	N/A	N/A	N/A	N/A
960	9.60	5.59	85.19	5.00	4.83E-007	3.74E-003	19.00	75.93	32.00	33.41	80.42	101.19	0.00	0.00	0.00	0.30	0.00	230.03	-0.07	0.00	0.00	0.00	110.70	2.34	81.76	0.66	18.76	N/A	N/A	N/A	N/A
961	9.61	4.11	84.93	4.00	1.13E-007	6.38E-004	16.00	55.21	0.00	0.00	0.00	95.01	15.00	262.88	1.57	0.30	7.32	223.61	0.00	1.00	3.25	0.00	262.88	3.75	91.56	0.58	18.64	N/A	N/A	N/A	N/A
962	9.62	3.83	84.47	4.00	8.16E-008	4.27E-004	16.00	51.28	0.00	0.00	0.00	93.49	15.00	244.20	1.45	0.30	6.73	222.02	0.00	1.00	3.04	0.00	244.20	4.18	93.71	0.58	18.61	N/A	N/A	N/A	N/A
963	9.63	3.45	85.83	4.00	4.78E-008	2.24E-004	15.00	45.96	0.00	0.00	0.00	92.17	15.00	218.84	1.30	0.30	5.94	220.58	0.00	1.00	2.68	0.00	218.84	4.95	98.05	0.58	18.58	N/A	N/A	N/A	N/A
964	9.64	3.02	87.24	4.00	2.45E-008	9.98E-005	14.00	39.93	0.00	0.00	0.00	90.22	15.00	190.14	1.13	0.30	5.08	218.42	0.00	1.00	2.29	0.00	190.14	6.09	102.99	0.58	18.55	N/A	N/A	N/A	N/A
965	9.65	2.60	89.51	3.00	1.18E-008	4.10E-005	13.00	34.05	0.00	0.00	0.00	87.65	15.00	162.13	0.96	0.30	4.32	215.45	0.00	1.00	1.90	0.00	162.13	7.54	108.70	0.58	18.52	N/A	N/A	N/A	N/A
966	9.66	2.31	91.06	3.00	6.64E-009	1.84E-005	12.00	27.15	0.00	0.00	0.00	85.56	15.00	142.77	0.85	0.30	3.80	213.01	0.00	1.00	1.65	0.00	142.77	8.87	112.45	0.54	18.50	N/A	N/A	N/A	N/A
967	9.67	2.06	91.29	3.00	3.88E-009	8.36E-006	11.00	21.15	0.00	0.00	0.00	83.10	15.00	126.08	0.75	0.30	3.36	210.15	0.00	1.00	1.45	0.00	126.08	10.26	114.76	0.54	18.46	N/A	N/A	N/A	N/A
968	9.68	1.90	91.50	3.00	2.64E-009	4.76E-006	11.00	17.71	0.00	0.00	0.00	81.42	15.00	115.41	0.68	0.30	3.07	208.18	0.00	1.00	1.32	0.00	115.41	11.36	116.14	0.54	18.43	N/A	N/A	N/A	N/A
969	9.69	1.69	91.73	3.00	1.51E-009	2.10E-006	10.00	13.65	0.00	0.00	0.00	78.98	15.00	101.41	0.60	0.30	2.69	205.28	0.00	1.00	1.16	0.00	101.41	13.11	117.73	0.54	18.39	N/A	N/A	N/A	N/A
970	9.70	1.48	92.00	3.00	8.90E-010	9.20E-007	9.00	10.13	0.00	0.00	0.00	76.28	15.00	87.40	0.52	0.30	2.32	201.99	0.00	1.00	1.00	0.00	87.40	15.41	119.09	0.54	18.34	N/A	N/A	N/A	N/A
971	9.71	1.34	90.64	3.00	7.25E-010	5.97E-007	9.00	8.08	0.00	0.00	0.00	73.78	15.00	78.07	0.46	0.30	2.07	198.96	0.00	1.00	0.90	0.00	78.07	17.24	118.88	0.53	18.28	N/A	N/A	N/A	N/A
972	9.72	1.21	88.95	3.00	5.87E-010	3.81E-007	8.00	6.38	0.00	0.00	0.00	71.17	15.00	69.42	0.41	0.30	1.84	195.73	0.00	1.00	0.82	0.00	69.42	19.32	118.32	0.52	18.22	N/A	N/A	N/A	N/A
973	9.73	1.02	86.52	2.00	4.07E-010	1.77E-007	8.00	4.26	0.00	0.00	0.00	67.02	15.00	56.76	0.33	0.30	1.50	190.45	0.00	1.00	0.69	0.00	56.76	23.46	117.36	0.51	18.13	N/A	N/A	N/A	N/A
974	9.74	0.94	84.18	2.00	3.44E-010	1.23E-007	7.00	3.49	0.00	0.00	0.00	64.73	15.00	51.42	0.30	0.30	1.36	187.48	0.00	1.00	0.64	0.00	51.42	25.63	116.06	0.49	18.06	N/A	N/A	N/A	N/A
975	9.75	0.83	81.16	2.00	2.64E-010	6.89E-008	7.00	2.56	0.00	0.00	0.00	61.44	15.00	44.08	0.26	0.30	1.16	183.12	0.00	1.00	0.57	0.00	44.08	29.50	114.36	0.48	17.97	N/A	N/A	N/A	N/A
976	9.76	1.00	77.75	2.00	4.25E-010	1.75E-007	7.00	4.05	0.00	0.00	0.00	63.89	15.00	55.44	0.32	0.30	1.46	186.63	0.00	1.00	0.75	0.00	55.44	22.94	111.73	0.46	18.00	N/A	N/A	N/A	N/A
977	9.77	1.16	75.74	3.00	6.09E-010	3.58E-007	8.00	5.76	0.00	0.00	0.00	66.06	15.00	66.14	0.39	0.30	1.74	189.62	0.00	1.00	0.92	0.00	66.14	18.93	109.89	0.44	18.02	N/A	N/A	N/A	N/A
978	9.78	1.39	73.53	3.00	9.34E-010	8.35E-007	9.00	8.76	0.00	0.00	0.00	68.79	15.00	81.62	0.48	0.30	2.15	193.31	0.00	1.00	1.17	0.00	81.62	15.00	107.37	0.43	18.06	N/A	N/A	N/A	N/A
979	9.79	1.88	70.26	3.00	4.03E-009	7.06E-006	10.00	17.19	0.00	0.00	0.00	73.52	15.00	114.40	0.67	0.30	3.01	199.50	0.00	1.00	1.71	0.00	114.40	10.16	101.77	0.41	18.12	N/A	N/A	N/A	N/A
980	9.80	2.16	66.81	3.00	8.36E-009	1.98E-005	11.00	23.24	0.00	0.00	0.00	74.92	15.00	133.08	0.78	0.30	3.49	201.41	0.00	1.00	2.09	0.00	133.08	8.32	96.85	0.58	18.12	N/A	N/A	N/A	N/A
981	9.81	2.36	63.32	3.00	1.38E-008	3.94E-005	11.00	28.11	0.00	0.00	0.00	75.21	15.00	146.43	0.85	0.30	3.84	201.96	0.00	1.00	2.43	0.00	146.43	7.22	92.38	0.58	18.09	N/A	N/A	N/A	N/A
982	9.82	2.57	59.84	4.00	2.22E-008	7.60E-005	12.00	33.61	0.00	0.00	0.00	75.35	15.00	160.20	0.93	0.30	4.20	202.32	0.00	1.00	2.81	0.00	160.20	6.27	87.73	0.58	18.06	N/A	N/A	N/A	N/A
983	9.83	2.76	56.72	4.00	3.37E-008	1.25E-004	12.00	36.26	0.00	0.00	0.00	75.15	15.00	172.68	1.00	0.30	4.54	202.25	0.00	1.00	3.20	0.00	172.68	5.52	83.58	0.58	18.02	N/A	N/A	N/A	N/A
984	9.84	2.99	54.01	4.00	5.41E-008	2.18E-004	13.00	39.47	0.00	0.00	0.00	74.98	15.00	187.96	1.09	0.30	5.00	202.17	0.00	1.00	3.65	0.00	187.96	4.76	79.47	0.56	18.00	N/A	N/A	N/A	N/A
985	9.85	3.19	52.16	4.00	7.84E-008	3.38E-004	13.00	42.26	0.00	0.00	0.00	75.01	15.00	201.25	1.17	0.30	5.41	202.29	0.00	1.00	4.05	0.00	201.25	4.23	76.28	0.43	17.98	N/A	N/A	N/A	N/A
986	9.86	3.43	50.23	4.00	1.18E-007	5.48E-004	14.00	45.59	0.00	0.00	0.00	75.08	15.00	217.09	1.26	0.30	5.90	202.48	0.00	1.00	4.54	0.00	217.09	3.70	72.80	0.32	17.97	N/A	N/A	N/A	N/A
987	9.87	3.73	50.61	4.00	1.73E-007	8.76E-004	14.00	49.77	0.00	0.00	0.00	76.66	15.00	236.98	1.37	0.30	6.50	204.37	0.00	1.00	4.92	0.00	236.98	3.27	70.79	0.27	18.01	N/A	N/A	N/A	N/A
988	9.88	3.98	50.95	5.00	2.33E-007	1.27E-003	15.00	53.33	26.00	32.27	64.44	77.97	0.00	0.00	0.00	0.30	0.00	205.91	-0.05	0.00	0.00	0.00	109.18	2.96	69.26	0.24	18.04	N/A	N/A	N/A	N/A
989	9.89	4.24	53.27	5.00	2.88E-007	1.67E-003	15.00	56.90	27.00	32.28	66.17	80.39	0.00	0.00	0.00	0.30	0.00	208.65	-0.05	0.00	0.00	0.00	109.31	2.76	69.29	0.24	18.11	N/A	N/A	N/A	N/A
990	9.90	4.39	56.12	5.00	3.08E-007	1.85E-003	16.00	58.99	27.00	32.38	67.76	82.66	0.00	0.00	0.00	0.30	0.00	211.15	-0.05	0.00	0.00	0.00	109.86	2.70	70.33	0.26	18.19	N/A	N/A	N/A	N/A

	In situ data				Estimations																							
No	Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	Ch (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)	Grain factor	Qtn,cs	Residual Shear strength	Bulk unit weight (kN/m3)	Water content w(%)	Void ratio e	Dry unit weight (kN/m3)	Porosity n
991	9.91	4.56	58.61	5.00	3.40E-007	2.13E-003	16.00	61.36	28.00	32.44	69.24	84.76	0.00	0.00	0.00	0.30	0.00	213.44	-0.05	0.00	0.00	0.00	110.25	2.61	71.00	0.28	18.25	N/A	N/A	N/A	N/A
992	9.92	4.62	60.59	5.00	3.39E-007	2.15E-003	17.00	62.19	28.00	32.53	70.20	86.14	0.00	0.00	0.00	0.30	0.00	214.92	-0.05	0.00	0.00	0.00	110.75	2.62	71.93	0.30	18.30	N/A	N/A	N/A	N/A
993	9.93	4.73	63.44	5.00	3.48E-007	2.26E-003	17.00	63.73	28.00	32.65	71.62	88.18	0.00	0.00	0.00	0.30	0.00	217.07	-0.06	0.00	0.00	0.00	111.34	2.60	73.11	0.33	18.36	N/A	N/A	N/A	N/A
994	9.94	4.72	67.92	5.00	3.03E-007	1.96E-003	17.00	63.59	28.00	32.91	73.28	90.60	0.00	0.00	0.00	0.30	0.00	219.58	-0.06	0.00	0.00	0.00	112.58	2.72	75.93	0.42	18.43	N/A	N/A	N/A	N/A
995	9.95	4.72	72.53	5.00	2.67E-007	1.73E-003	17.00	63.58	28.00	33.16	74.96	93.07	0.00	0.00	0.00	0.30	0.00	222.09	-0.07	0.00	0.00	0.00	113.78	2.83	78.74	0.53	18.51	N/A	N/A	N/A	N/A
996	9.96	4.55	76.74	4.00	2.02E-007	1.26E-003	17.00	61.26	0.00	0.00	0.00	94.58	15.00	291.72	1.67	0.30	7.97	223.58	0.00	1.00	3.99	0.00	291.72	3.10	82.42	0.58	18.56	N/A	N/A	N/A	N/A
997	9.97	4.49	81.59	4.00	1.68E-007	1.03E-003	17.00	60.41	0.00	0.00	0.00	96.77	15.00	287.69	1.65	0.30	7.81	225.75	0.00	1.00	3.70	0.00	287.69	3.30	85.81	0.58	18.63	N/A	N/A	N/A	N/A
998	9.98	4.46	86.30	4.00	1.45E-007	8.89E-004	17.00	59.99	0.00	0.00	0.00	98.95	15.00	285.67	1.63	0.30	7.71	227.91	0.00	1.00	3.48	0.00	285.67	3.46	88.88	0.58	18.69	N/A	N/A	N/A	N/A
999	9.99	4.47	91.07	4.00	1.32E-007	8.08E-004	18.00	60.13	0.00	0.00	0.00	101.28	15.00	286.32	1.64	0.30	7.70	230.19	0.00	1.00	3.30	0.00	286.32	3.57	91.63	0.58	18.75	N/A	N/A	N/A	N/A
1000	10.00	4.47	95.03	4.00	1.21E-007	7.41E-004	18.00	60.12	0.00	0.00	0.00	103.15	15.00	286.31	1.64	0.30	7.67	232.00	0.00	1.00	3.16	0.00	286.31	3.67	93.94	0.58	18.80	N/A	N/A	N/A	N/A

REGIONE TOSCANA
GENIO CIVILE
VALDARNO INFERIORE E COSTA

L.R. 28 Dicembre 2015 n. 80

MANUTENZIONE STRAORDINARIA DELLE ARGINATURE DEL FIUME ARNO A PONTEDERA (PI)

PROGETTO DEFINITIVO

ELABORATO :

ALL.3

ANALISI SISMICHE MASW

Revisione n.	data	note di revisione	

Il Responsabile Unico del Procedimento
Ing. Francesco Pistone

Progettisti:

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Pisa, Giugno 2022

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PROSPEZIONI SISMICHE MASW

RELAZIONE TECNICA

Maggio 2022

Committente : ***REGIONE TOSCANA***
Cantieri: **Argine sinistro Arno – Località Pontedera**
Tiplogia delle indagini: ***MASW attiva con onde di Rayleigh***
Data indagini di campagna: ***27/04/2022***

1. PREMESSA 2

2. IL METODO MASW ATTIVO 2

3. SISTEMA DI ACQUISIZIONE DEI DATI 3

4. ELABORAZIONE DATI 3

5. RISULTATI 3

1. PREMESSA

Su incarico della Regione Toscana sono state eseguite indagini sismiche con metodo MASW attiva in onde di Rayleigh presso la sponda sinistra del Fiume Arno nell'ambito delle indagini geologiche di supporto alla verifica sismica di edifici esistenti strategici e rilevanti.

La procedura d'indagine adottata è stata eseguita in accordo con il D.M. 17/01/2018 (Norme Tecniche per le Costruzioni), secondo cui la stima degli effetti di sito è attribuibile, in buona parte, alle caratteristiche del profilo di velocità delle onde di taglio (Vs).

Le seguenti note espongono la metodologia d'indagine ed i risultati ottenuti.

2. IL METODO MASW ATTIVO

Il metodo MASW (Multichannel Analysis of Surface Waves) consiste in una tipologia di indagine sismica che permette di valutare le condizioni elastiche del terreno per scopi di ingegneria geotecnica. Il metodo si basa sull'analisi della dispersione delle onde di superficie. Tali onde si generano in seguito alla complessa interferenza fra onde P e S e si propagano lungo la superficie libera della Terra dove si attua una grande variazione delle proprietà elastiche dei mezzi a causa del contatto fra aria e terreno. Le onde di superficie sono rappresentate dalle onde di Rayleigh e di Love. Esse sono caratterizzate da velocità di propagazione inferiori a quelle delle onde P e S e da ampiezze molto maggiori.

Le onde di Rayleigh esistono anche in un semispazio omogeneo e sono generate dall'interferenza fra onde P e onde S polarizzate sul piano verticale (Sv) incidenti sulla superficie libera del terreno. Le onde di Love compaiono solo in un mezzo in cui la velocità delle onde S aumenta con la profondità e si generano in seguito ad interferenza costruttiva di onde S polarizzate sul piano orizzontale (SH) soggette a riflessioni multiple fra la superficie libera del terreno e un'interfaccia sottostante separante due porzioni del mezzo con caratteristiche diverse.

Se un determinato mezzo attraversato dalle onde di superficie presenta una variazione delle proprietà elastiche con la profondità, le onde saranno caratterizzate dal fenomeno della dispersione. Tale fenomeno si origina dal fatto che le diverse componenti dell'onda di superficie si spostano con velocità diverse, più alte per le lunghezze d'onda più lunghe che interessano spessori maggiori di terreno, più basse per lunghezze d'onda brevi che interessano gli strati più superficiali.

La curva di dispersione rappresenta l'andamento delle velocità con cui si propaga ciascuna fase componente la perturbazione in funzione della lunghezza d'onda. Ne consegue che lo studio della curva di dispersione permette di conoscere la variazione delle caratteristiche del terreno con la profondità espressa in termini di velocità delle onde S.

Nella pratica comune delle indagini MASW, la curva di dispersione è ottenuta disponendo sul terreno una serie di sensori (geofoni) ad intervalli regolari lungo un allineamento rettilineo e registrando mediante un sismografo l'intero treno di onde generato da una sorgente controllata (MASW attiva).

L'analisi della curva di dispersione, tramite opportuni software, fornisce un modello sismostratigrafico monodimensionale del terreno rappresentato tramite la variazione della velocità delle onde S con la profondità. Tale modello permette, in definitiva, di determinare il parametro VS_{30} utilizzabile per la progettazione sismica secondo l'approccio semplificato definito dal D.M. 14/01/2008 (Norme Tecniche per le Costruzioni).

3. SISTEMA DI ACQUISIZIONE DEI DATI

Il sistema impiegato per l'acquisizione dei dati in campagna è costituito da:

- sismografo AMBROGEO "ECHO12-24/2002" a 24 canali con risoluzione a 16 bit;
- due cavi della lunghezza di 70 m ciascuno dotati di take-outs per il collegamento dei sensori ogni 5 m;
- computer per la registrazione dei dati mediante il software "Echo2007" che consente la regolazione dei parametri di acquisizione e la visualizzazione dei segnali;
- sensori per la ricezione dei segnali costituiti da 24 geofoni "Sunfull" a componente verticale con frequenza propria pari a 4,5 hz;
- sorgente energizzante costituta da una mazza con maglio da 8 kg e da una piastra di battuta in alluminio;
-trigger installato in prossimità del maglio della mazza che consente l'avvio della registrazione dei segnali al momento dell'impatto della mazza sulla piastra.

4. ELABORAZIONE DATI

La ricostruzione del profilo verticale di Vs è stata ottenuta mediante l'utilizzo del software *WinMasw 4.3 Standard*, prodotto da Eliosoft.

Tramite esso avviene la determinazione dello spettro di velocità, l'identificazione delle curve di dispersione, la modellazione diretta e/o l'inversione di queste ultime.

L'output del software è costituito da un profilo verticale di velocità rispetto alla profondità.

5. RISULTATI

La caratterizzazione sismica dei terreni è stata ottenuta tramite due indagini; la prima (masw1)è stata effettuata all'interno dell'area golenale, la seconda (masw2) è stata realizzata all'esterno.

Per la determinazione dei profili di velocità si è formulato, inizialmente, un modello sismostratigrafico basato sulle informazioni ricavate dall'analisi dei primi arrivi in rifrazione, dal reperimento di alcune stratigrafie eseguite nell'area in studio e dai dati delle prove penetrometriche eseguite nell'area. Tale modello è stato successivamente sottoposto ad inversione per affinamento del profilo.

MASW1

L'indagine masw1 è stata eseguita mediante un array composto da 12 geofoni verticali spaziati di 4 m ed eseguendo una energizzazione con offset di 5 m ad una delle due estremità dello stendimento. In particolare, si è operato sulla porzione del dataset a velocità minore allo scopo di ottenere l'evidenziazione e la separazione dei modi nello spettro di velocità. Il profilo sismico verticale ricavato, espresso in termini di spessori e velocità delle onde di taglio per ciascun sismostrato, con riferimento al modello medio, è riassunto nella tabella sottostante.

	Velocità onde SH (m/s)	Spessore h (m)	Profondità (m)
sismostrato 1	82	0,38	0.38
sismostrato 2	138	0.50	0.88
sismostrato 3	183	1.20	2.08
sismostrato 4	158	2.38	4.46
sismostrato 4	201	3.55	8.01
sismostrato 4	220	5.85	13.86
sismostrato 4	331	7.75	21.31
sismostrato 4	817	12.90	

Dai dati tabellati è possibile calcolare il valore del parametro VS_{eq} per i terreni investigati mediante l'equazione

$$VS_{eq} = \frac{30}{\sum_{i=1,N} \frac{hi}{Vi}}$$

dove:
h_i = spessore i-esimo di ogni singolo sismostrato
V_i = velocità i-esima di ogni singolo sismostrato

Il profilo di velocità ottenuto permette di valutare un valore di VS_{eq} = 232 m/s con riferimento al piano campagna.

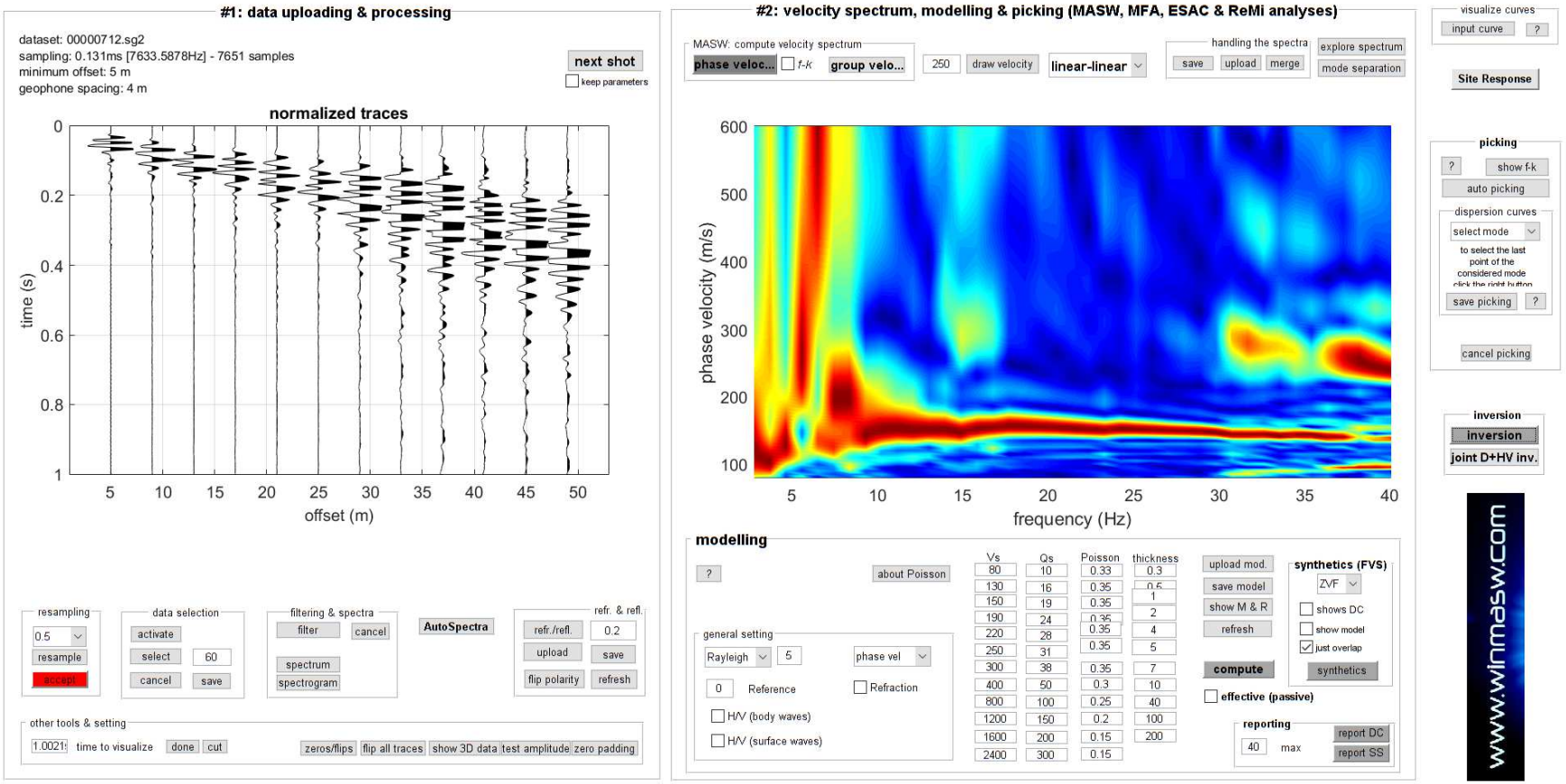

Fig. 1. Dataset originale e relativo spettro di velocità.

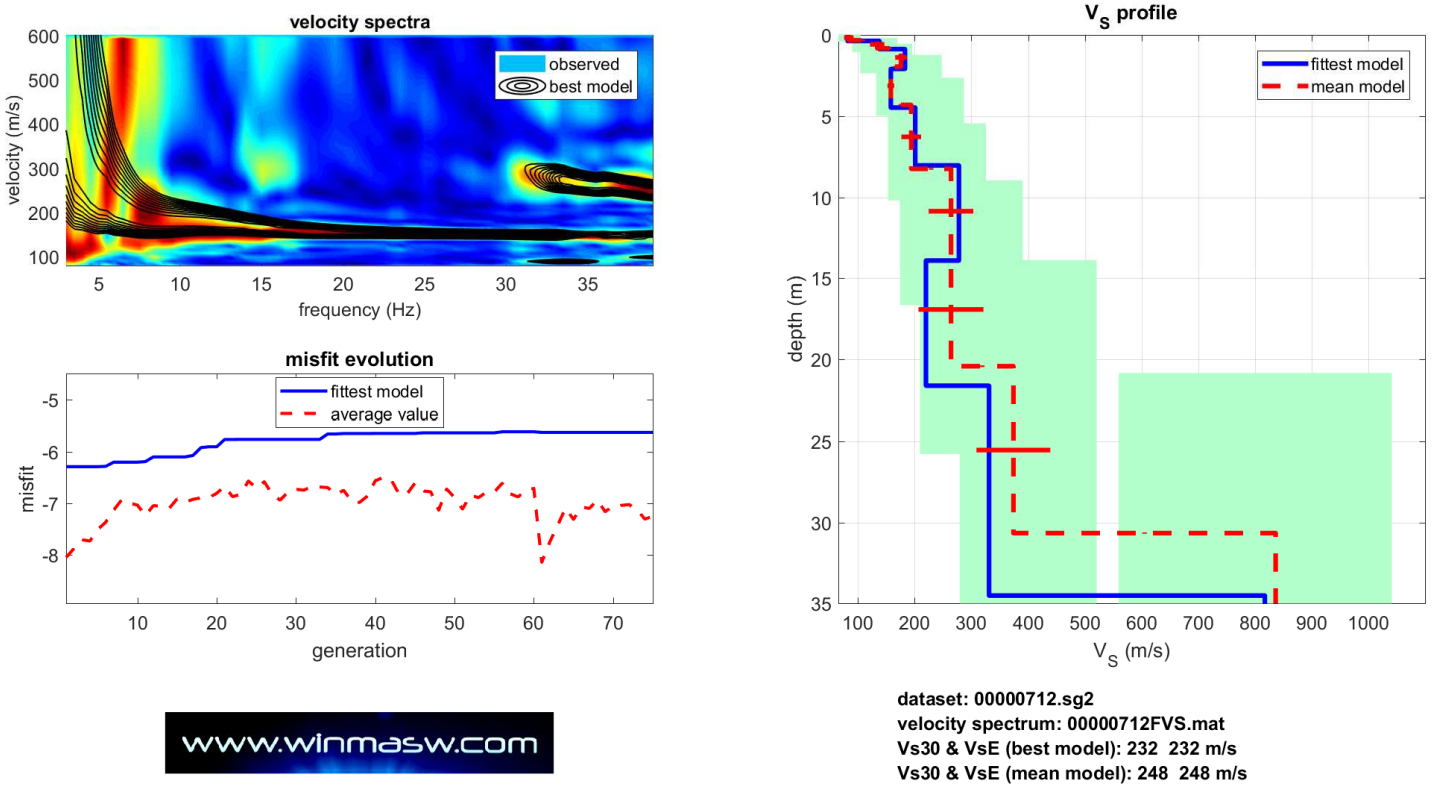

Fig. 2. Porzione più lenta del segnale e relativo spettro di velocità con picking della curva di dispersione.

MASW2

L'indagine masw2 è stata eseguita mediante un array composto da 12 geofoni verticali spaziati di 4 m ed eseguendo una serie di energizzazioni con offset minimi di 5 m ad una delle due estremità dello stendimento.

Il profilo sismico verticale ricavato, espresso in termini di spessori e velocità delle onde di taglio per ciascun sismostrato, con riferimento al modello medio, è riassunto nella tabella sottostante.

	Velocità onde SH (m/s)	Spessore h (m)	Profondità (m)
sismostrato 1	103	0.30	0.30
sismostrato 2	121	0.40	0.70
sismostrato 3	128	0.80	1.50
sismostrato 4	221	2.25	3.75
sismostrato 5	209	2.22	5.97
sismostrato 6	295	3.60	9.57
sismostrato 7	258	9.10	18.67
sismostrato 8	473	12.90	

Dai dati tabellati è possibile calcolare il valore del parametro VS_{eq} per i terreni investigati mediante l'equazione

$$VS_{eq} = \frac{30}{\sum_{i=1,N} \frac{hi}{Vi}}$$

dove:

h_i = spessore i-esimo di ogni singolo sismostrato

V_i = velocità i-esima di ogni singolo sismostrato

Il profilo di velocità ottenuto permette di valutare un valore di VS_{eq} = 273 m/s con riferimento al piano campagna

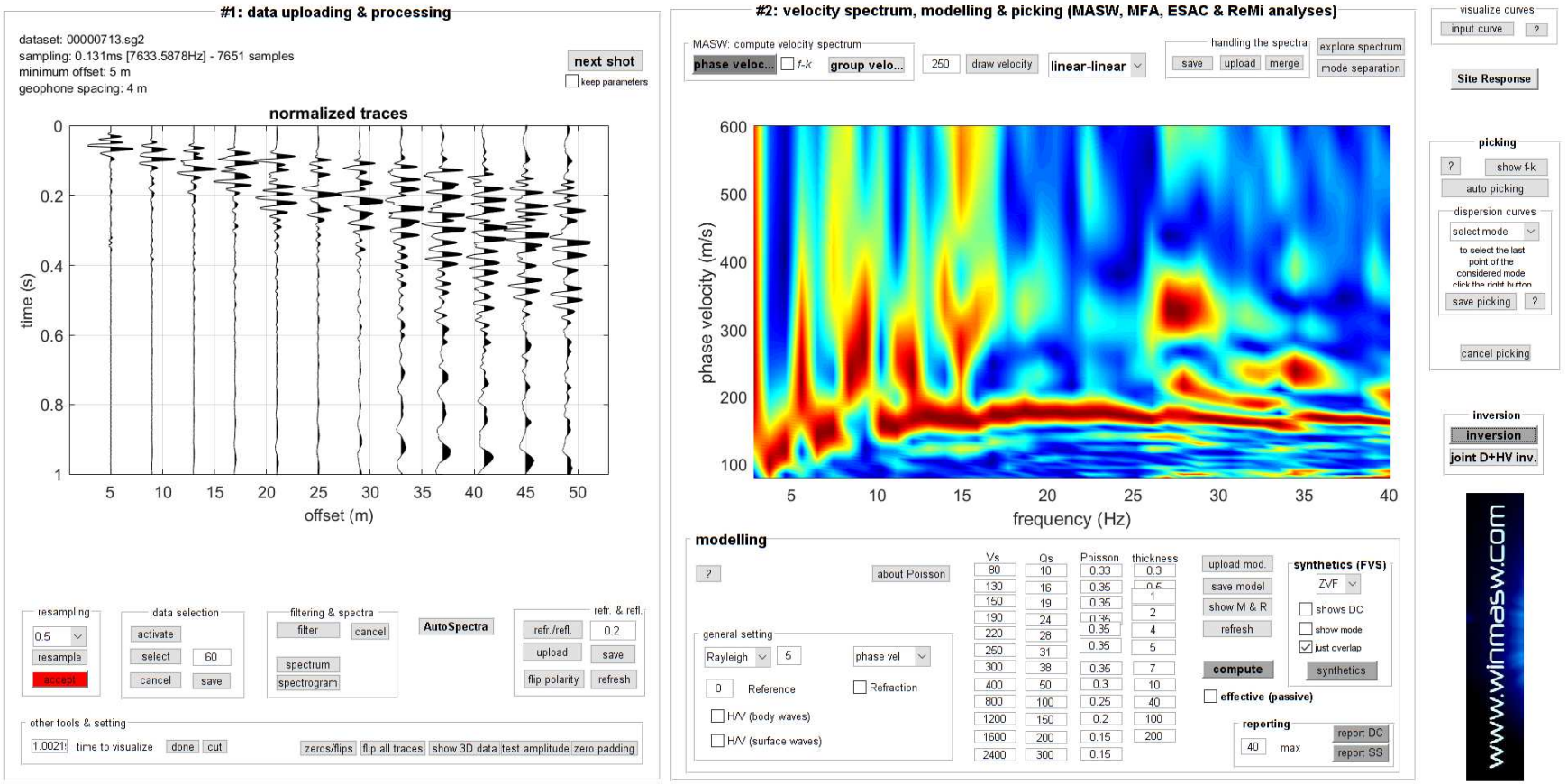

Fig. 3. Dataset originale e relativo spettro di velocità con picking della curva di dispersione.

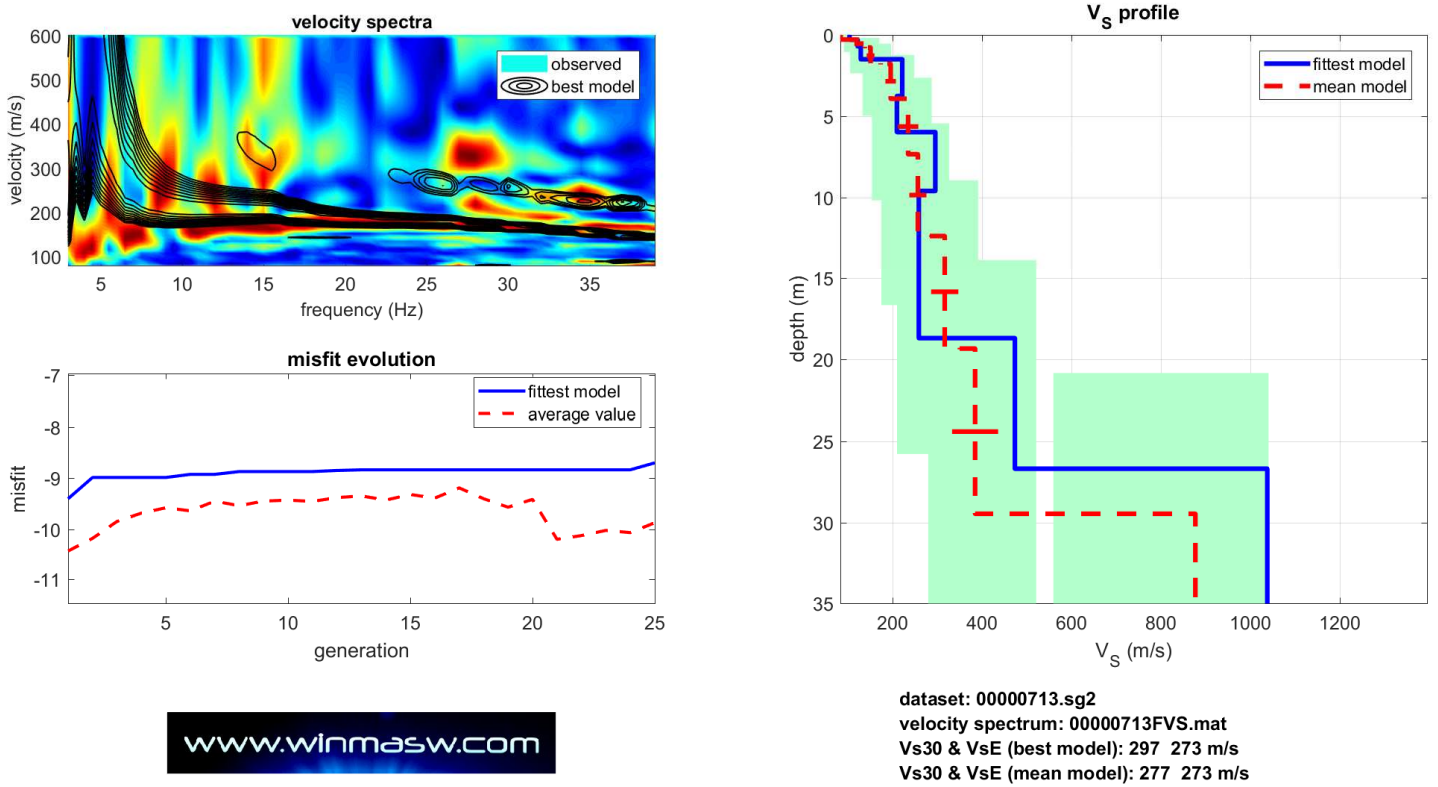

Fig. 4. Risultati della elaborazione.

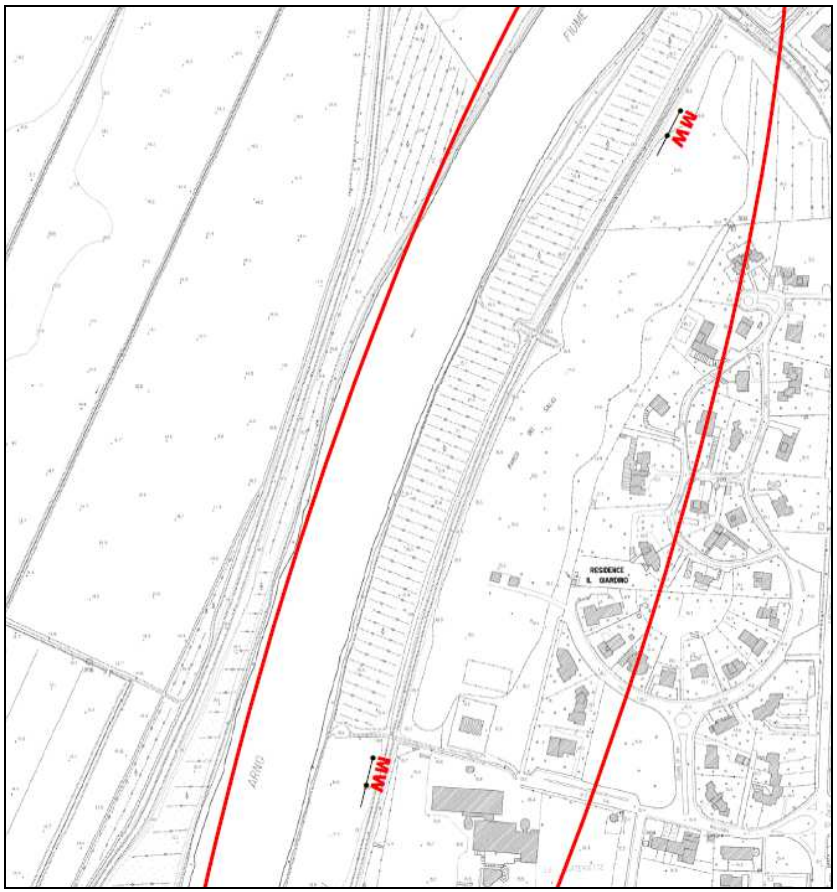

Fig. 5 – Ubicazione indagini sismica – MASW2 in alto – MASW 1 in basso

Studio di Geologia
Geol. Simone Stefani

REGIONE TOSCANA
GENIO CIVILE
VALDARNO INFERIORE E COSTA

L.R. 28 Dicembre 2015 n. 80

MANUTENZIONE STRAORDINARIA DELLE ARGINATURE DEL FIUME ARNO A PONTEDERA (PI)

PROGETTO DEFINITIVO

ELABORATO :

ALL.4

ANALISI AMBIENTALI

Revisione n.	data	note di revisione	

Il Responsabile Unico del Procedimento
Ing. Francesco Pistone

Progettisti:

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nome file:

Pisa, Giugno 2022

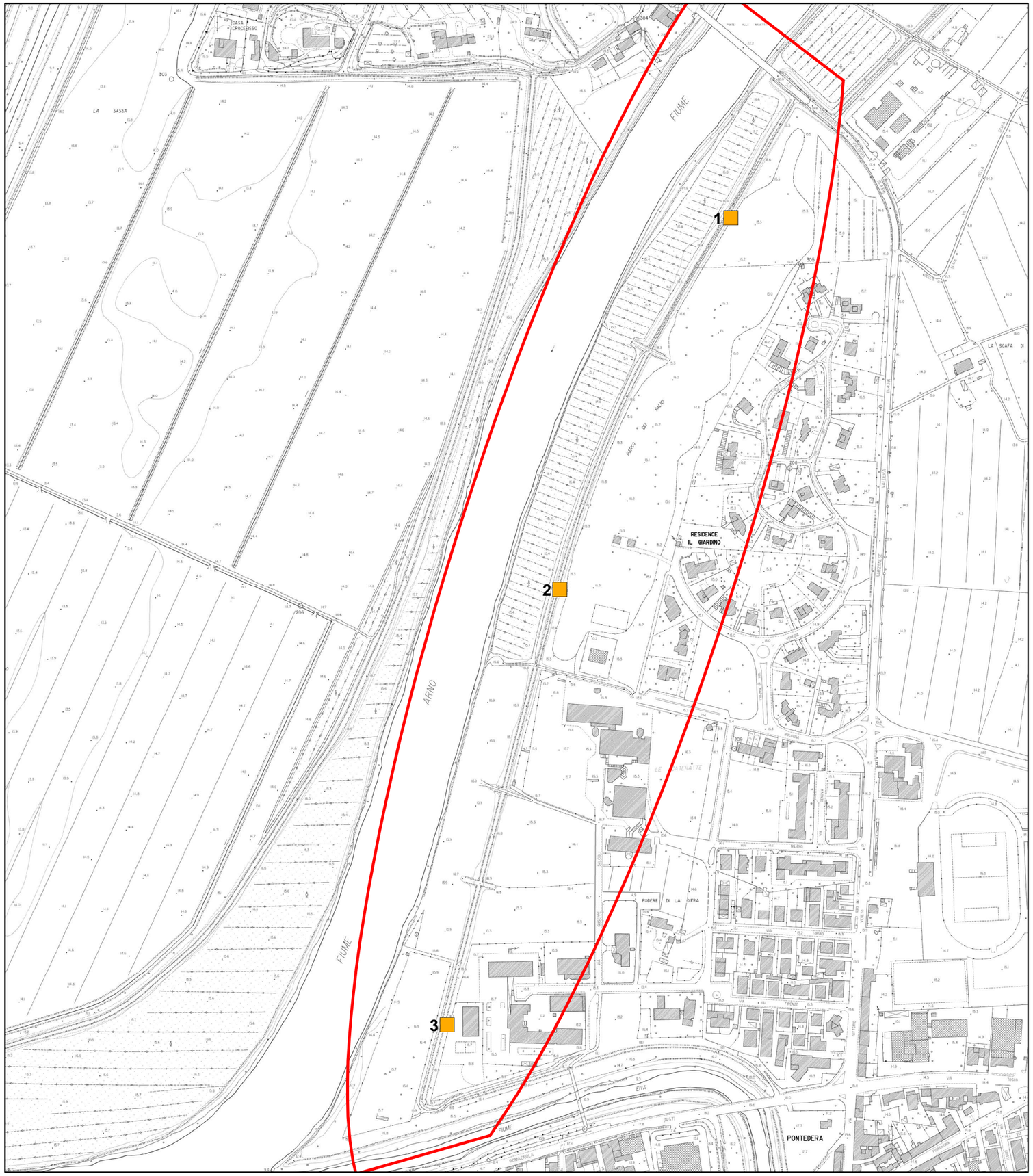
Regione Toscana

Manutenzione straordinaria delle arginature del fiume Arno in Pontedera

Tav. n.

Ubicazione delle analisi ambientali

1:5.000



Analisi ambientali

- Campioni
- Area di studio

Geol. Simone Stefani
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LAB n° 0130 L

RAPPORTO DI PROVA n° / TEST REPORT n° 22LA07435

DATI RELATIVI AL CAMPIONE / SAMPLE INFORMATION

Cliente / Customer
H.S. INGEGNERIA SRL, VIA BONISTALLO, 39 50053 EMPOLI, ITALIA
Descrizione del campione / Sample description ($)
Terreno C1
Data di ricevimento / Receiving date
28/04/2022
Data di inizio analisi / Analysis starting date
28/04/2022
Data di fine analisi / Analysis end date
10/05/2022
Data di emissione report / Report issue date
11/05/2022

DATI RELATIVI AL CAMPIONAMENTO / SAMPLING INFORMATION

Numero verbale / Sampling report n°
10371/2022
Data di campionamento / Sampling date ($)
27/04/2022
Campionato / Collected ($)
C/O PONTEDERA
Trasporto / Transport
A CURA DEL CLIENTE / BY CUSTOMER
Campionamento / Sampling
A CURA DEL CLIENTE - BY CUSTOMER

RISULTATI ANALITICI / ANALYTICAL RESULTS

Riferimento di legge / Law reference
DPR n.120 del 13 giugno 2017- D.Lgs. 152/06 parte IV allegato 5 tabella 1 colonna A

Prova / Test Metodo / Method		U.M. M.U.	Risultato Result	Limite Limit	R (%) R (%)	U.O. O.U.
Determinazione sul Tal Quale						A
Frazione secca fine DM 13/09/1999 SO GU n°248 21/10/1999 Met II.1		%	99,3			A
Residuo a 105°C della frazione secca fine all'aria DM 13/09/1999 SO GU n°248 21/10/1999 Met II.2		%	99,4			A
Cromo esavalente CNR IRSA 16 Q 64 Vol 3 2005		mg/kg s.s.	< 0,20	2		A
Amianto CNR IRSA App III Q 64 Vol 3 1996	*	mg/kg s.s.	< 500	1000		A
Idrocarburi pesanti C>12 ISO 16703:2004		mg/kg s.s.	< 25	50	117	A
Determinazione dopo Attacco Acido						A
Arsenico (As) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	4,69	20		A
Cadmio (Cd) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	0,17	2		A
Cromo (Cr) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	93	150		A
Mercurio (Hg) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	0,17	1		A
Nichel (Ni) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	58,6	120		A
Piombo (Pb) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	20,9	100		A

U.O. = unità operativa - A = Lucca, B = Padova, C = Forlì / O.U. = operational unit - A = Lucca, B = Padua, C = Forlì

LAB n° 0130 L

Prova / Test Metodo / Method	U.M. M.U.	Risultato Result	Limite Limit	R (%) R (%)	U.O. O.U.
Rame (Cu) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016	mg/kg s.s.	39,7	120		A
Zinco (Zn) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016	mg/kg s.s.	60,4	150		A
Cobalto (Co) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016	mg/kg s.s.	11	20		A

***

I risultati riportati nel presente rapporto di prova sono riferiti esclusivamente al campione sottoposto a prova così come ricevuto. Il presente rapporto non può essere riprodotto parzialmente salvo scritta approvazione da parte del laboratorio.
Results reported in the present test report are referred only to the received tested sample. This test report can not be reproduced partially, unless specified by the laboratory by written authorisation.
Il presente rapporto di prova è stato firmato digitalmente in accordo con le normative vigenti.
This test report has been digitally signed, according to the current legislation.
Quando il risultato è espresso come 'inferiore a (<)' il laboratorio intende che il risultato è inferiore al limite di quantificazione (LOQ) verificato.
Per il limite di quantificazione di somme di più risultati analitici il laboratorio utilizza, a meno di diversa specifica, l'approccio lower bound:
- Se tutti i singoli risultati sono <LOQ viene riportato come LOQ della somma il valore più alto tra quelli dei singoli;
- Se vi sono risultati >LOQ viene riportata la somma di tutti i valori valutabili.
When the result is indicated as 'lower than (<)' the laboratory means that the result is under the verified limit of quantification LOQ.
For the limit of quantitation of the sum of analytical results, the laboratory uses, if not otherwise indicated, the lower bound approach:
- If all the single results are <LOQ, the reported LOQ of the sum is the higher between the single ones;
- If there are results >LOQ, the sum of all the evaluable results is reported.

Con R% si indica il valore percentuale di recupero calcolato dal laboratorio. Si riportano di seguito i limiti di accettabilità così come previsto dai metodi:
R% indicates the recovery percentage value calculated by the laboratory. Below are indicated the acceptance limits as indicated in the methods:
ISO 16703:2004: 80% - 120%

Nel caso in cui il valore del recupero non rientri negli intervalli indicati, il recupero è utilizzato per il calcolo dei risultati.
Eventuali recuperi indicati dal laboratorio per metodi non riportati in elenco sono utilizzati per il calcolo dei risultati.
When the recovery result is not included in the range indicated, the recovery has been used for the calculation of the analytical result.
Recoveries indicated by the laboratory for methods not listed above have been used for the calculation of the analytical results.

($) Le informazioni così contrassegnate sono fornite dal cliente, quando le stesse possono influenzare la validità dei risultati, il laboratorio declina ogni responsabilità a riguardo.
The information marked in this way is provided by the customer, when the same can affect the validity of the results, the laboratory declines any responsibility.
(*) Le prove contrassegnate dal simbolo asterisco NON sono accreditate ACCREDIA.
Tests marked with star, are not accredited by ACCREDIA.

DICHIARAZIONE DI CONFORMITA' AI REQUISITI E/O ALLE SPECIFICHE / DECLARATION OF CONFORMITY TO REQUIREMENTS AND/OR SPECIFICATIONS

Il campione in esame, limitatamente ai parametri analizzati richiesti dal cliente, risulta essere CONFORME ai valori di concentrazione limite previsti per il suolo dei siti ad uso commerciale ed industriale dal D.Lgs. 152/06, parte quarta, titolo V, All.5, Tab.1A.

FINE DEL RAPPORTO DI PROVA
END OF THE TEST REPORT

Rapporto di Prova Firmato Digitalmente
Digitally Signed Test Report

Dott. Monica Specos
Ordine Reg. Chimici e Fisici della Toscana - N° 2029 Sez. A Chimico

U.O. = unità operativa - A = Lucca, B = Padova, C = Forlì / O.U. = operational unit - A = Lucca, B = Padua, C = Forlì

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Cap. Soc. 1.000.000,00 i.v.

RAPPORTO DI PROVA n° / TEST REPORT n° 22LA07436

DATI RELATIVI AL CAMPIONE / SAMPLE INFORMATION

Cliente / Customer
H.S. INGEGNERIA SRL, VIA BONISTALLO, 39 50053 EMPOLI, ITALIA
Descrizione del campione / Sample description ($)
Terreno C2
Data di ricevimento / Receiving date
28/04/2022
Data di inizio analisi / Analysis starting date
28/04/2022
Data di fine analisi / Analysis end date
10/05/2022
Data di emissione report / Report issue date
11/05/2022

DATI RELATIVI AL CAMPIONAMENTO / SAMPLING INFORMATION

Numero verbale / Sampling report n°
10371/2022
Data di campionamento / Sampling date ($)
27/04/2022
Campionato / Collected ($)
C/O PONTEDERA
Trasporto / Transport
A CURA DEL CLIENTE / BY CUSTOMER
Campionamento / Sampling
A CURA DEL CLIENTE - BY CUSTOMER

RISULTATI ANALITICI / ANALYTICAL RESULTS

Riferimento di legge / Law reference
DPR n.120 del 13 giugno 2017- D.Lgs. 152/06 parte IV allegato 5 tabella 1 colonna A

Prova / Test Metodo / Method		U.M. M.U.	Risultato Result	Limite Limit	R (%) R (%)	U.O. O.U.
Determinazione sul Tal Quale						A
Frazione secca fine DM 13/09/1999 SO GU n°248 21/10/1999 Met II.1		%	99,5			A
Residuo a 105°C della frazione secca fine all'aria DM 13/09/1999 SO GU n°248 21/10/1999 Met II.2		%	99,7			A
Cromo esavalente CNR IRSA 16 Q 64 Vol 3 2005		mg/kg s.s.	< 0,20	2		A
Amianto CNR IRSA App III Q 64 Vol 3 1996	*	mg/kg s.s.	< 500	1000		A
Idrocarburi pesanti C>12 ISO 16703:2004		mg/kg s.s.	< 25	50	117	A
Determinazione dopo Attacco Acido						A
Arsenico (As) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	5,48	20		A
Cadmio (Cd) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	0,18	2		A
Cromo (Cr) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	101	150		A
Mercurio (Hg) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	0,16	1		A
Nichel (Ni) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	67	120		A
Piombo (Pb) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	24,6	100		A

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LAB n° 0130 L

Prova / Test Metodo / Method	U.M. M.U.	Risultato Result	Limite Limit	R (%) R (%)	U.O. O.U.
Rame (Cu) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016	mg/kg s.s.	53,2	120		A
Zinco (Zn) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016	mg/kg s.s.	72	150		A
Cobalto (Co) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016	mg/kg s.s.	13	20		A

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This test report has been digitally signed, according to the current legislation.
Quando il risultato è espresso come 'inferiore a (<)' il laboratorio intende che il risultato è inferiore al limite di quantificazione (LOQ) verificato.
Per il limite di quantificazione di somme di più risultati analitici il laboratorio utilizza, a meno di diversa specifica, l'approccio lower bound:
- Se tutti i singoli risultati sono <LOQ viene riportato come LOQ della somma il valore più alto tra quelli dei singoli;
- Se vi sono risultati >LOQ viene riportata la somma di tutti i valori valutabili.
When the result is indicated as 'lower than (<)' the laboratory means that the result is under the verified limit of quantification LOQ.
For the limit of quantitation of the sum of analytical results, the laboratory uses, if not otherwise indicated, the lower bound approach:
- If all the single results are <LOQ, the reported LOQ of the sum is the higher between the single ones;
- If there are results >LOQ, the sum of all the evaluable results is reported.

Con R% si indica il valore percentuale di recupero calcolato dal laboratorio. Si riportano di seguito i limiti di accettabilità così come previsto dai metodi:
R% indicates the recovery percentage value calculated by the laboratory. Below are indicated the acceptance limits as indicated in the methods:
ISO 16703:2004: 80% - 120%

Nel caso in cui il valore del recupero non rientri negli intervalli indicati, il recupero è utilizzato per il calcolo dei risultati.
Eventuali recuperi indicati dal laboratorio per metodi non riportati in elenco sono utilizzati per il calcolo dei risultati.
When the recovery result is not included in the range indicated, the recovery has been used for the calculation of the analytical result.
Recoveries indicated by the laboratory for methods not listed above have been used for the calculation of the analytical results.

($) Le informazioni così contrassegnate sono fornite dal cliente, quando le stesse possono influenzare la validità dei risultati, il laboratorio declina ogni responsabilità a riguardo.
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DICHIARAZIONE DI CONFORMITA' AI REQUISITI E/O ALLE SPECIFICHE / DECLARATION OF CONFORMITY TO REQUIREMENTS AND/OR SPECIFICATIONS

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FINE DEL RAPPORTO DI PROVA
END OF THE TEST REPORT

Rapporto di Prova Firmato Digitalmente
Digitally Signed Test Report

Dott. Monica Specos
Ordine Reg. Chimici e Fisici della Toscana - N° 2029 Sez. A Chimico

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C.F./P.IVA/ Reg. Impr. Milano 01484940463
Cap. Soc. 1.000.000,00 i.v.

LAB n° 0130 L

RAPPORTO DI PROVA n° / TEST REPORT n° 22LA07437

DATI RELATIVI AL CAMPIONE / SAMPLE INFORMATION

Cliente / Customer
H.S. INGEGNERIA SRL, VIA BONISTALLO, 39 50053 EMPOLI, ITALIA
Descrizione del campione / Sample description ($)
Terreno C3
Data di ricevimento / Receiving date
28/04/2022
Data di inizio analisi / Analysis starting date
28/04/2022
Data di fine analisi / Analysis end date
10/05/2022
Data di emissione report / Report issue date
11/05/2022

DATI RELATIVI AL CAMPIONAMENTO / SAMPLING INFORMATION

Numero verbale / Sampling report n°
10371/2022
Data di campionamento / Sampling date ($)
27/04/2022
Campionato / Collected ($)
C/O PONTEDERA
Trasporto / Transport
A CURA DEL CLIENTE / BY CUSTOMER
Campionamento / Sampling
A CURA DEL CLIENTE - BY CUSTOMER

RISULTATI ANALITICI / ANALYTICAL RESULTS

Riferimento di legge / Law reference
DPR n.120 del 13 giugno 2017- D.Lgs. 152/06 parte IV allegato 5 tabella 1 colonna A

Prova / Test Metodo / Method		U.M. M.U.	Risultato Result	Limite Limit	R (%) R (%)	U.O. O.U.
Determinazione sul Tal Quale						A
Frazione secca fine DM 13/09/1999 SO GU n°248 21/10/1999 Met II.1		%	99,8			A
Residuo a 105°C della frazione secca fine all'aria DM 13/09/1999 SO GU n°248 21/10/1999 Met II.2		%	99,0			A
Cromo esavalente CNR IRSA 16 Q 64 Vol 3 2005		mg/kg s.s.	< 0,20	2		A
Amianto CNR IRSA App III Q 64 Vol 3 1996	*	mg/kg s.s.	< 500	1000		A
Idrocarburi pesanti C>12 ISO 16703:2004		mg/kg s.s.	25	50	117	A
Determinazione dopo Attacco Acido						A
Arsenico (As) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	6,2	20		A
Cadmio (Cd) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	0,20	2		A
Cromo (Cr) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	90	150		A
Mercurio (Hg) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	0,10	1		A
Nichel (Ni) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	66	120		A
Piombo (Pb) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016		mg/kg s.s.	23,5	100		A

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Prova / Test Metodo / Method	U.M. M.U.	Risultato Result	Limite Limit	R (%) R (%)	U.O. O.U.
Rame (Cu) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016	mg/kg s.s.	94	120		A
Zinco (Zn) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016	mg/kg s.s.	72	150		A
Cobalto (Co) UNI EN 13657:2004 + UNI EN ISO 17294-2:2016	mg/kg s.s.	12	20		A

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