

PIANO INSEDIAMENTI AREE PRODUTTIVE SANTA CATERINA A MODENA



PROGETTO

UFFICIO TECNICO

CONSORZIO ATTIVITÀ PRODUTTIVE AREE E SERVIZI DI MODENA

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O

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INTEGRAZIONI (RSL)

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DATA

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N. PROTOCOLLO

PREMESSA

Nel presente documento si ottempera alle richieste di integrazione, pervenute dall'Ufficio Difesa del Suolo della Provincia di Modena (Classifica 07-05-05 fasc. 2693/2020), relative ad aspetti di pericolosità sismica trattati nella "Relazione Geologica e Simica" a cura dello scrivente, redatta a supporto del Piano Insediamenti Aree Produttive "Santa Caterina" a Modena, in variante al Piano Operativo Comunale.

Nello specifico, è stato richiesto di integrare la relazione con uno studio di risposta sismica locale, dal quale calcolare i valori dei fattori di amplificazione richiesti dalla Delibera 630/2019, l'Indice di Potenziale Liquefazione ed i cedimenti post-sismici in corrispondenza delle verticali penetrometriche eseguite ed utilizzando le procedure indicate nel paragrafo B dell'Allegato A3 della Delibera suddetta.

1. Amplificazione sismica da analisi di risposta sismica locale

Considerando che la microzonazione sismica di II livello del Comune di Modena identifica, per parte dell'area in esame, una zona di attenzione per liquefazioni di tipo 1 (ZALQ1), si è proceduto con la valutazione del coefficiente di amplificazione litostratigrafico attraverso un'analisi di risposta sismica locale monodimensionale, lineare equivalente, nel dominio delle frequenze, utilizzando il codice di calcolo "STRATA"¹, includendo l'effetto delle possibili incertezze sui dati di base e valutando:

- lo spettro di risposta elastico (al 5% di smorzamento),
- i parametri dello spettro semplificato previsto dalla normativa che meglio si adattano allo spettro di risposta ottenuto dall'analisi numerica.

Un importante vantaggio legato a questo codice di calcolo è la possibilità che esso offre di gestire le significative incertezze presenti nei dati di modellazione (moto di riferimento, profilo di Vs, curve di smorzamento e riduzione del modulo di taglio) permettendo di fornire stime adeguatamente conservative degli spettri di scuotimento attesi.

Il moto di riferimento prescelto è costituito dai tre accelerogrammi forniti dalla Regione Emilia-Romagna per l'intera regione², scalati al valore di PGA di riferimento ($PGA_{ref.} = 0,16g$) per il tempo di ritorno considerato, ovvero $T_r = 475$ anni, dato da una vita nominale (V_N) pari a 50 anni e da una classe d'uso (cu) pari a II.

Utilizzando la tecnica di inversione congiunta (semplificata) tra curva di dispersione MASW nr.2 e il picco di frequenza dell'HVSR nr.2, proposta da

1 Kottke, A.R. & Rathje, E.M. (2008) – Technical Manual for Strata. PEER Report 2008, Pacific Earthquake Engineering Research Center, College of Engineering, University of California, Berkeley, 81 p.

2 http://ambiente.regione.emilia-romagna.it/geologia/archivio_pdf/sismica/Allegato_4.zip/ - DGR 2193/2015

Picozzi e Albarello (2007)³ e ripresa nel lavoro recente di Mascandola et al. (2019)⁴, tale picco di frequenza sarebbe indicativo di una superficie di risonanza variabile tra 62 e 2000 m di profondità, considerata la grande deviazione standard ($\pm 0,83$ Hz) associata al valore del picco principale; utilizzando il solo valor medio di 1 Hz, la profondità della superficie risonante risulta pari a **147 m**. Gli stessi Mascandola et al. (2019), nella mappatura del bedrock sismico per l'intera pianura del Po (Figura 1) calcolano la profondità del bedrock sismico, in corrispondenza dell'area oggetto del presente studio, tra 150 e 200 m dal piano campagna. Due misure di rumore ambientale, riportate nella Tavola 7.3 "Carta delle frequenze naturali dei terreni" dello studio di microzonazione sismica di II livello del Comune di Modena ed eseguite in prossimità dell'area, identificano la frequenza fondamentale di vibrazione a circa 0,96/0,98 Hz, indicativa, secondo gli autori (pag. 45 della Relazione Tecnica di MS2), di una profondità dell'interfaccia risonante relativa di circa 130 m, ma nulla si dice dei rispettivi intervalli di confidenza.

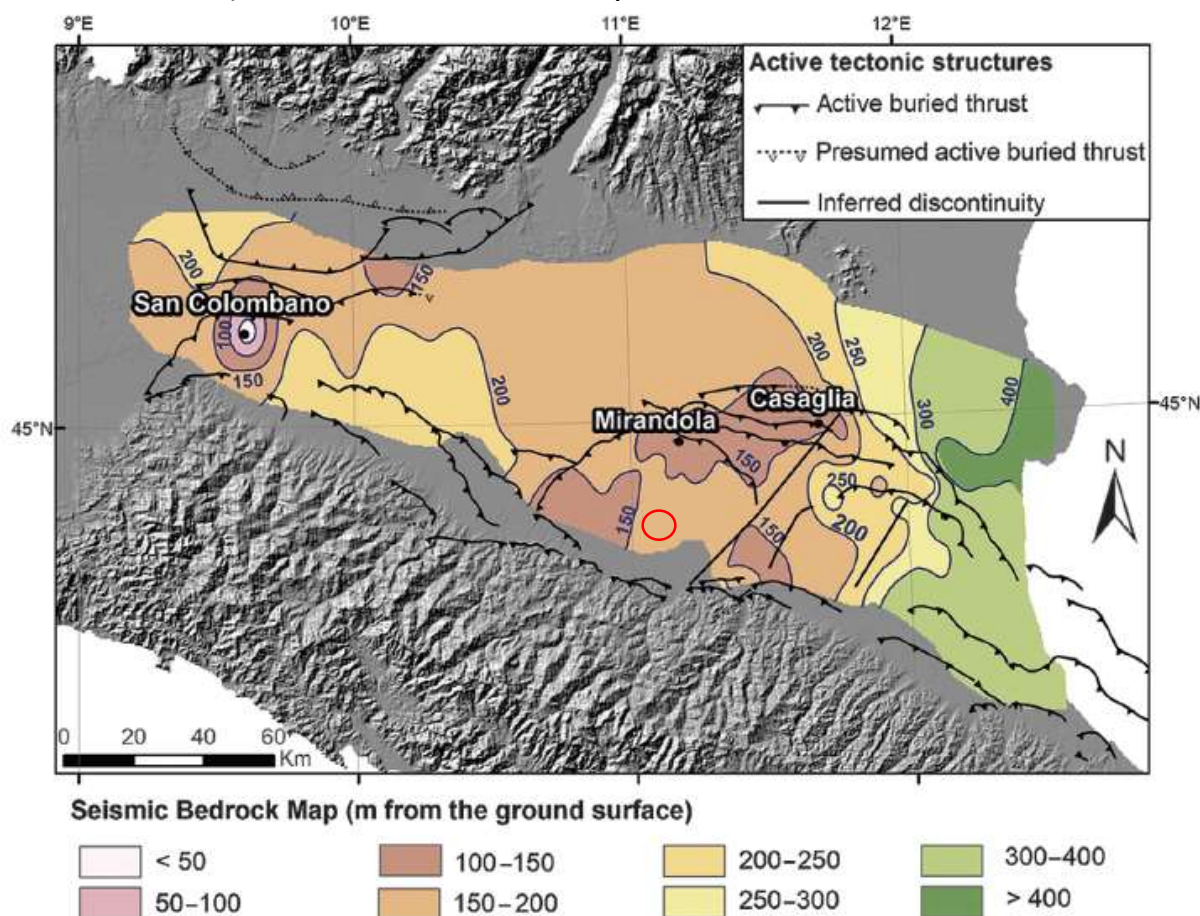


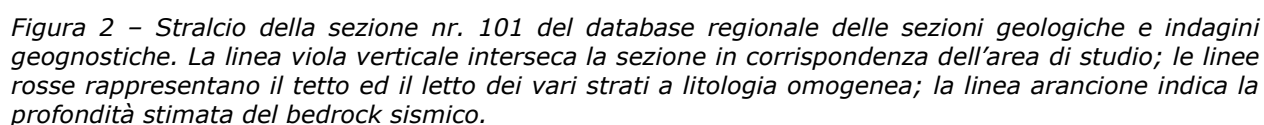
Figura 1 – Mappa della profondità del bedrock sismico (in metri dal piano campagna). Fonte: Mascandola et al., 2019. Il cerchio rosso individua l'area d'indagine del presente studio.

In coerenza, quindi, con il valore di f_0 individuato per questo studio tramite misurazione HVSR, tenendo conto dell'intervallo di confidenza e in riferimento ai risultati di Mascandola et al. (2019) e della MS2 di Modena, per l'analisi di

³ Picozzi, M., Albarello, D., 2007. Combining genetic and linearized algorithms for a two-step joint inversion of Rayleigh wave dispersion and H/V spectral ratio curves. *Geophys. J. Int.* 169, 189–200.

⁴ Mascandola, C., Massa, M., Barani, S., Albarello, D., Lovati, S., Martelli, L. & Poggi, V., 2019. Mapping the seismic bedrock of the Po plain (Italy) through ambient-vibration monitoring. *Bulletin of the Seismological Society of America*, doi: 10.1785/0120180193.

Il profilo stratigrafico è stato inserito, fino a circa -20 m, sulla base dell'elaborazione della prova penetrometrica CPTu-3 eseguita per questo studio e prossima alle MASW e HVSR utilizzate per la ricerca della profondità del bedrock sismico, utilizzando, come confronto, la stratigrafia di un vicino sondaggio a carotaggio continuo (S6-2019, Allegato 2), eseguito dallo scrivente per una precedente relazione geologica.



Oltre tale profondità, fino a quella stimata del bedrock sismico (**147 m**), la stratigrafia è stata assunta pari a quella della sezione geologica nr. 101 lungo la verticale passante per l'area di studio, ovvero a circa 15 km dal punto "0" della traccia di sezione (Figura 2).

La modellazione è stata effettuata applicando il profilo di velocità ricavato dall'indagine MASW nr.2 eseguita nel 2018, estrapolandolo fino alla profondità del bedrock sismico attraverso l'equazione messa a punto da Albarello et al. (2011)⁵ che permette di stimare la profondità del bedrock sismico sulla base dei dati MASW e della relazione:

$$V_s(z) \approx V_0 \cdot (1+z)^x$$

che mette in relazione la $V_{s(z)}$ con il valore di V_s registrato nei primi metri superficiali (V_0), con la profondità (z) e con il coefficiente "x", da variare fino ad ottenere il minimo scarto tra il profilo di V_s così calcolato e quello direttamente ricavato dall'indagine MASW. Ciò permette di estrapolare i valori di V_s ben oltre la profondità raggiunta dall'indagine geofisica, fino appunto a quella stimata del bedrock sismico.

L'analisi ha consentito, inoltre, variazioni stocastiche del profilo di V_s stesso. Per quanto riguarda le curve di variazione con la deformazione dello smorzamento e del modulo di taglio, sono state utilizzate:

- per lo spessore argilloso da 11,37 a 16,42 m, le curve di variazione dei due parametri con la deformazione ricavate da prova di colonna risonante effettuata su di un campione indisturbato prelevato a circa 12 m dal sondaggio S3-2019 (Allegato 2), eseguito dallo scrivente per una precedente relazione geologica circa 400 m a sud dell'area in esame;
- per le altre litologie presenti (ghiaie e argille organiche), le curve fornite dallo stesso programma di calcolo.

Sono state effettuate 100 simulazioni per ciascun accelerogramma. La distribuzione degli spettri di risposta in superficie è riportata in Figura 3. Gli spettri di risposta sono stati ricavati alla superficie dell'attuale piano campagna.

Allo scopo di ottenere una stima conservativa dello spettro di risposta, si è deciso di adottare lo spettro di risposta corrispondente all'84° percentile della popolazione di spettri restituita dall'analisi. Lo stesso percentile viene utilizzato da Tento et al. (2015) per il calcolo dei fattori di amplificazione nei vari ambiti presenti in Emilia-Romagna. I risultati sono sintetizzati nella Figura 4. Per confronto è riportato lo spettro di normativa per l'area di studio, sottosuolo di tipo D, SLV, $V_n = 50$ e $c_u = II$.

I dati numerici derivati dalla simulazione di risposta sismica locale effettuata per questo studio sono riportati in Allegato 3.

⁵ Albarello, D., Cesi, C., Eulilli, V., Guerrini, F., Lunedei, E., Paolucci, E., Pileggi, D., Puzzilli, L., 2011. The contribution of the ambient vibration prospecting in seismic microzoning: an example from the area damaged by the April 6, 2009 L'Aquila (Italy) earthquake. Boll. di Geofis. Teor. e Appl. 52, 513-538.

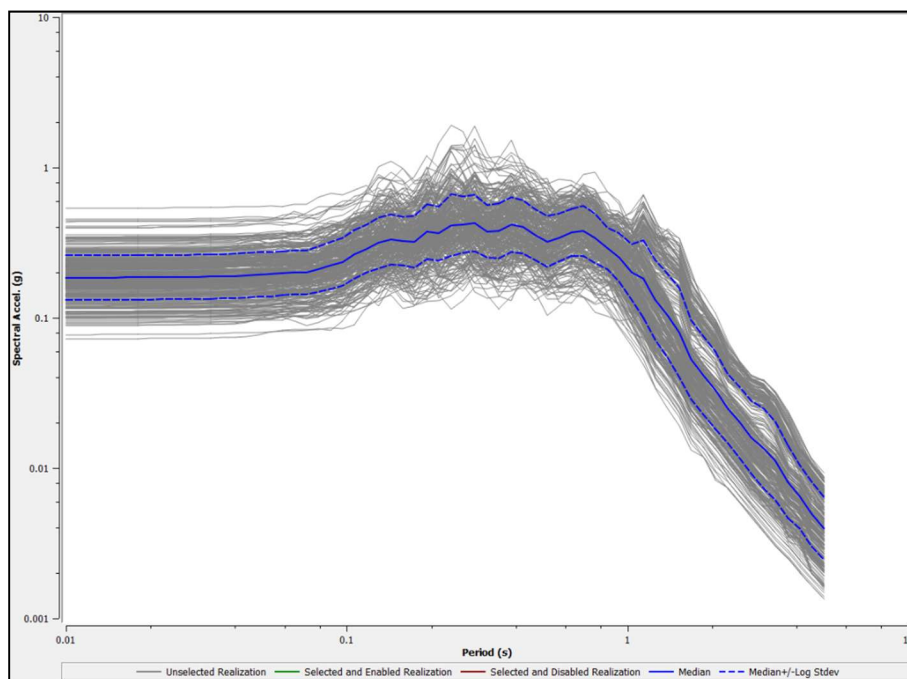


Figura 3 – Popolazione degli spettri di risposta visco-elastici (5% di smorzamento) alla superficie di campagna per il sito. La linea blu continua indica la mediana (50° percentile) della distribuzione mentre le due curve tratteggiate corrispondono rispettivamente al 16° e 84° percentile della distribuzione.

Come si vede in Figura 4, lo spettro di risposta (da RSL) normalizzato mantiene il suo profilo di pseudo-accelerazione sempre al di sotto di quello dello spettro di Normativa per suolo D (SLV); quest'ultimo mostra i valori del tratto ad accelerazione costante superiori ai valori massimi assoluti dello spettro non normalizzato da RSL, pertanto, può considerarsi maggiormente conservativo rispetto a quello ricavato da RSL (per quanto riguarda la risposta sismica alla quota del piano campagna attuale).

La PGA (al tempo $T=0$) risulta pari a **0,25g**; il massimo valore dello spettro in accelerazione è pari a **0,66g**; il periodo relativo alla massima accelerazione è **T=0,23s**, mentre il valore del tratto ad accelerazione costante è pari a **0,56g**.

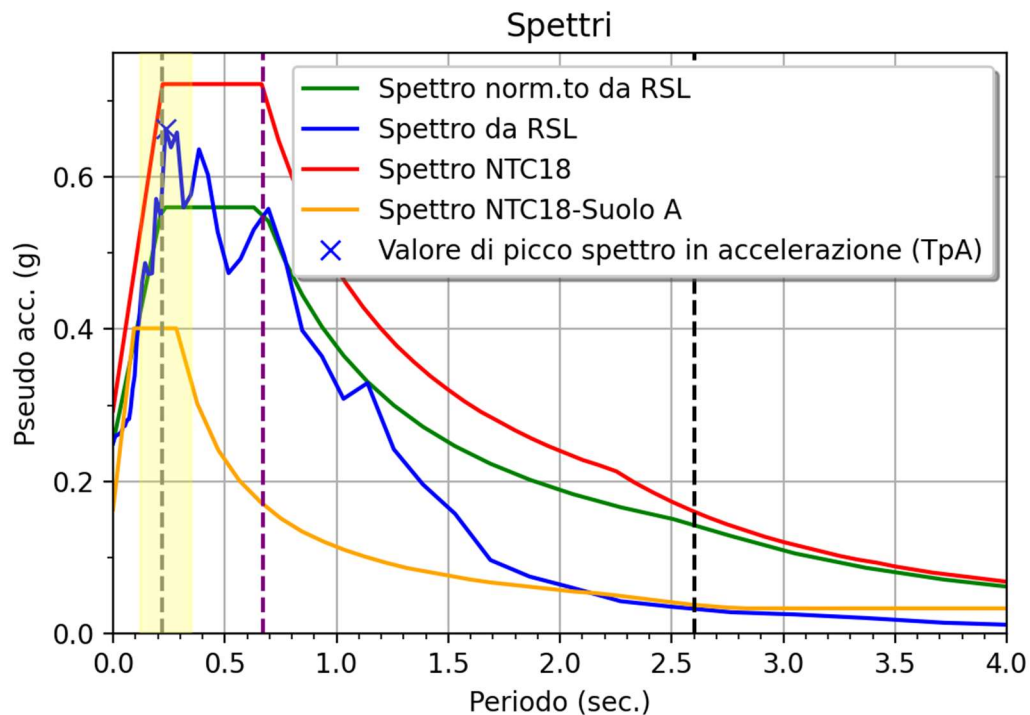


Figura 4 – Spettri di risposta da RSL, relativamente al piano campagna attuale. Legenda - Curva blu: spettro di risposta visco-elastico (5% di smorzamento, 84° percentile della popolazione) relativo al sito in esame, alla quota di riferimento rispetto al p.d.c. (in verde: normalizzato). In rosso: spettro di risposta secondo Normativa per suolo D, SLV, Vn=50 e Cu=II. In arancione: spettro di risposta secondo Normativa per suolo A, SLV, Vn=50 e Cu=II.

I fattori di amplificazione della PGA e dell'intensità di Housner (sensu DGR 630/2019) sono risultati pari a (Tabella 1):

FF. amplif.	p.d.c.
F.A. PGA	1.53
F.A. SA1	1.73
F.A. SA2	2.89
F.A. SA3	3.75
F.A. SA4	3.66
F.A. SI1	1.88
F.A. SI2	3.36
F.A. SI3	3.87

Tabella 1 - Fattori di amplificazione della PGA e dell'intensità di Housner da RSL (sensu DGR 630/2019).

I valori di pericolosità sismica, sempre secondo la DGR 630/2019, sono risultati pari a (Tabella 2):

Indici di pericolosità (cm/s ²)	p.d.c.
H _{SM}	563
H ₀₄₀₈	526
H ₀₇₁₁	424
H ₀₅₁₅	346

Tabella 2 - Valori di pericolosità sismica da RSL, secondo la DGR 630/2019.

1.1. Potenziali fenomeni doppia risonanza terreno-struttura

In Figura 5 è rappresentata la mediana della funzione di trasferimento dell'accelerazione dal bedrock al piano campagna attuale, restituita dall'analisi di RSL, dove emerge evidente un picco unico di amplificazione a circa **0,9 Hz** quale modo fondamentale di vibrazione del deposito di terreno. Tale valore, in particolare, e tutti i valori che compongono l'intera funzione possono essere utilizzati come riferimento per valutare il possibile insorgere di fenomeni di doppia risonanza terreno-struttura. Oltre i 7 Hz la funzione di trasferimento diviene inferiore all'unità, indicando una deamplificazione per le frequenze maggiori di tale valore.

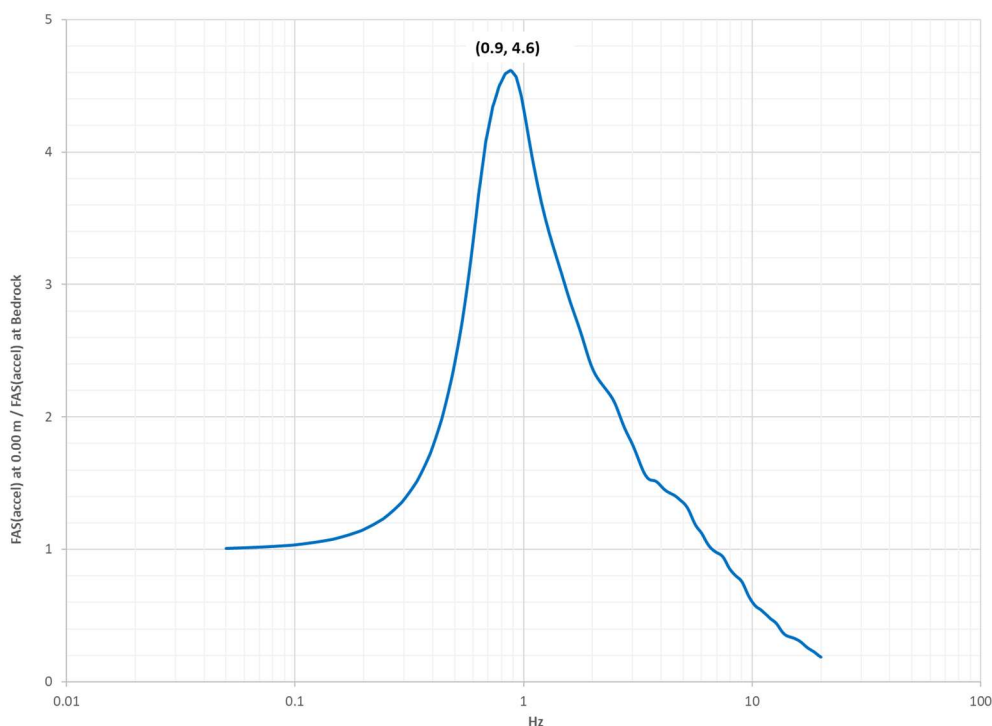


Figura 5 – Funzione di trasferimento dell'accelerazione ricavata dalla RSL (84° percentile della distribuzione). Simulazione con superficie corrispondente al piano campagna attuale.

2. Effetti di sito: suscettibilità alla liquefazione e cedimenti post-sismici

Considerando le valutazioni dello studio di microzonazione sismica di II livello del Comune di Modena, che indicano parte dell'area potenzialmente suscettibile di liquefazione, si è ritenuto opportuno eseguire una verifica di suscettività a liquefazione in caso di evento sismico in corrispondenza delle 3 CPTu eseguite per questo studio ed utilizzando il profilo di CSR ottenuto dall'analisi di risposta sismica locale.

Oltre alle condizioni per così dire "statiche" necessarie allo sviluppo del fenomeno della liquefazione, ovvero la presenza di strati potenzialmente liquefacibili immersi in falda (come nel presente caso), l'attivazione del fenomeno necessita anche del contributo dinamico offerto dal sisma, ovvero l'intensità e la durata dello scuotimento. In letteratura sono state definite

diverse metodologie per individuare, per ogni area, la soglia oltre la quale il fenomeno può attivarsi, recentemente richiamate, quali proposte operative, nell'Appendice 1 del documento "*Linee guida per la gestione del territorio in aree interessate da liquefazione (LQ)*" redatto dalla Commissione Tecnica per la Microzonazione Sismica (ver. 1, 2017).

Nelle linee guida si sottolinea come "[...] La M_w (magnitudo momento), nell'ambito degli studi di liquefazione, è una grandezza legata al processo fisico del terremoto (durata) e al numero di cicli di carico e scarico dei depositi investiti dalla onde sismiche. Quindi è preferibile scegliere una magnitudo di riferimento molto vicina all'area in studio [...]".

Vengono poi elencati i metodi "classici" di calcolo della M_w ai fini della suscettività a liquefazione, evidenziandone vantaggi e criticità:

- Massima magnitudo dal catalogo DBMI11,
- Criteri del cut-off magnitudo-distanza
- Massima magnitudo delle zone sismogenetiche e disaggregazione (ICMS, 2008).

Viene poi proposta una metodologia originale per il calcolo della magnitudo per la verifica delle condizioni per la liquefazione, dal contributo originale del Prof. Dario Albarello (Università di Siena), in grado di superare, almeno in parte, alcune delle maggiori criticità dei metodi classici sopra elencati, basata sull'uso diretto delle osservazioni macrosismiche relative ai terremoti che in passato hanno interessato il sito di studio (storia sismica di sito).

I risultati della metodologia proposta presentano i seguenti aspetti fondamentali e che superano le criticità espresse precedentemente:

- Identificano una magnitudo soglia legata alla distanza tra l'epicentro di un evento sismico realmente accaduto e il sito in studio;
- Mantengono un legame diretto con le osservazioni effettivamente utilizzate per la loro determinazione, consentendo al contempo la corretta gestione delle incertezze inerenti questi dati che risulta coerente con il carattere discreto ed ordinale delle informazioni macrosismiche considerate per l'analisi;
- Legano strettamente i valori della M_w e della PGA (che sono i parametri che permetteranno di effettuare calcoli sul fattore di sicurezza o l'indice di liquefazione con i metodi semplificati) che devono riferirsi, per rispettare la natura fisica del problema, allo stesso evento sismico.

Per la definizione di un dato territorio comunale come potenzialmente soggetto a liquefazione (in termini di condizioni scatenanti ed al netto della possibile presenza di fattori predisponenti), il metodo propone due condizioni che costituiscono, **se verificate entrambe**, la condizione per la quale il sito in esame può essere considerato potenzialmente soggetto a liquefazione dinamica:

1. Un valore di I_{ref} (intensità di riferimento al sito) almeno pari a VII MCS; questa scelta è data dalla considerazione che nelle numerose leggi di conversione I_{MCS_PGA} , il grado VII MCS corrisponde a circa 0,1g; inoltre, si vede che solo dal VII grado della scala EMS98 sono presenti effetti di liquefazione fra

quelli osservati nell'ambiente naturale in occasione di eventi con questa intensità;

2. La presenza nella lista degli eventi che contribuiscono a I_{ref} di almeno un evento con M_w e distanze $R(km)$ compatibile con la relazione di Galli (2000):

$$M_w = 2.75 + 2.0 * \log_{10} R$$

Nell'Allegato 1 del documento della Commissione sono riportate le mappe del territorio nazionale e la lista dei Comuni per i quali sono verificate le soglie 1 e 2 precedentemente definite e sussiste, dunque, la condizione di suscettibilità alla liquefazione rispetto alla M_w e alla distanza epicentrale dell'evento sismico.

Per il territorio comunale di Modena risultano **verificate** le 2 soglie di cui sopra e, di conseguenza, la condizione di suscettibilità alla liquefazione rispetto alla M_w ed alla distanza epicentrale dell'evento sismico.

La magnitudo e la distanza epicentrale di riferimento per la liquefazione risultano, rispettivamente, pari a **5,98** e 16 km.

Per il calcolo dell'indice di potenziale liquefazione, in luogo del valore di PGA ricavato dall'analisi di risposta sismica locale eseguita per questo studio, ovvero **0,25g**, si è, come detto, preferito utilizzare il profilo di CSR, anch'esso ricavato dall'analisi di risposta sismica locale: questo al fine di utilizzare un profilo di CSR reale invece di un profilo ricavato con formula empirica basata sul valore di PGA.

Si è proceduto ad un'analisi di suscettibilità alla liquefazione in corrispondenza delle 3 verticali penetrometriche con piezocono (CPTu) eseguite all'interno dell'area di studio, utilizzando l'algoritmo di calcolo sviluppato da Boulanger & Idriss (2014)⁶, selezionando il coefficiente che "governa" il contenuto percentuale in fini del terreno, " C_{FC} " pari al suo valor medio statistico, ovvero "zero".

Nelle figure 6-8 si riportano i risultati in formato grafico dell'analisi di IPL eseguita lungo le 3 verticali penetrometriche. Il **livello della falda è stato scelto pari a -1,7 m dal p.d.c.**, ovvero pari al livello minimo identificato in occasione dell'esecuzione delle 3 CPTu. Per tutti i dettagli del calcolo dell'IPL si rimanda all'Allegato 4.

Come si vede dalle figure 6-8 e in Allegato 4, e come prevedibile dall'esame della stratigrafia ricavata dalle 3 CPTu eseguite per questo studio, l'area in esame non è soggetta a fenomeni di liquefazione del terreno in occasione di eventi sismici ed i cedimenti post-sismici riconducibili ai livelli incoerenti (saturi od insaturi) sono nulli.

⁶ Boulanger, R.W., Idriss, I.M., 2014. CPT and SPT based liquefaction triggering procedures. Davis, California.

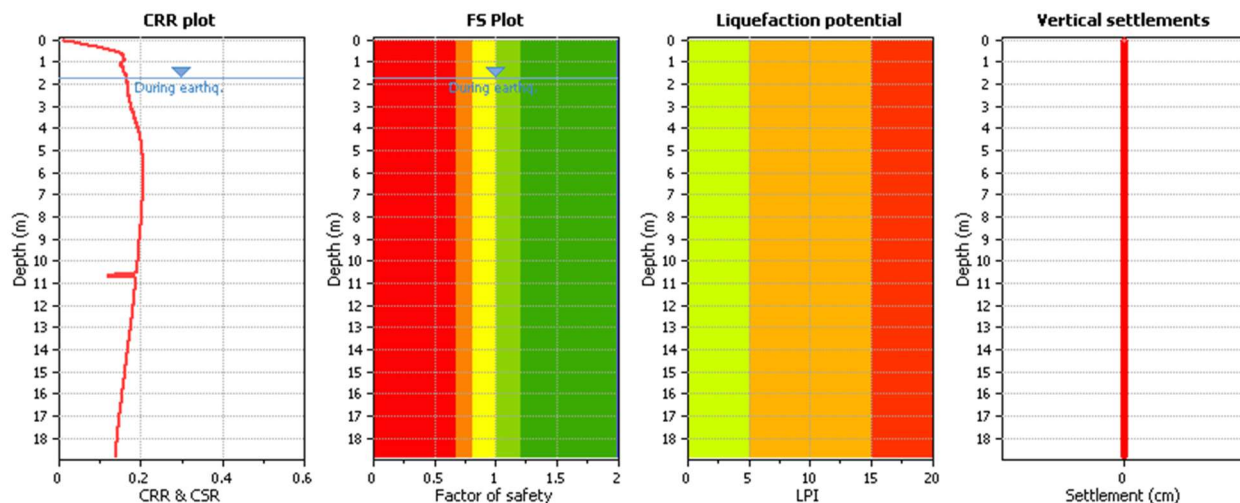


Figura 6 - CPTu-1 - Profili, in sequenza da sinistra a destra, di: CSR/CRR; fattore di sicurezza alla liquefazione; Indice di Potenziale Liquefazione; cedimenti verticali cumulati (nei livelli saturi liquefacibili e nei livelli insaturi, incoerenti).

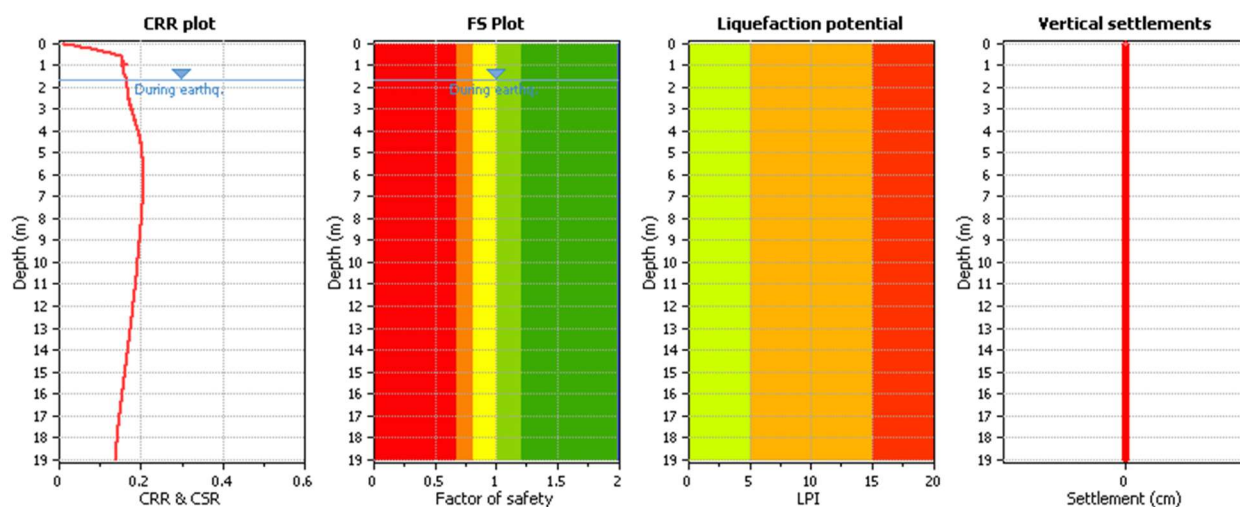


Figura 7 - CPTu-2 - Profili, in sequenza da sinistra a destra, di: CSR/CRR; fattore di sicurezza alla liquefazione; Indice di Potenziale Liquefazione; cedimenti verticali cumulati (nei livelli saturi liquefacibili e nei livelli insaturi, incoerenti).

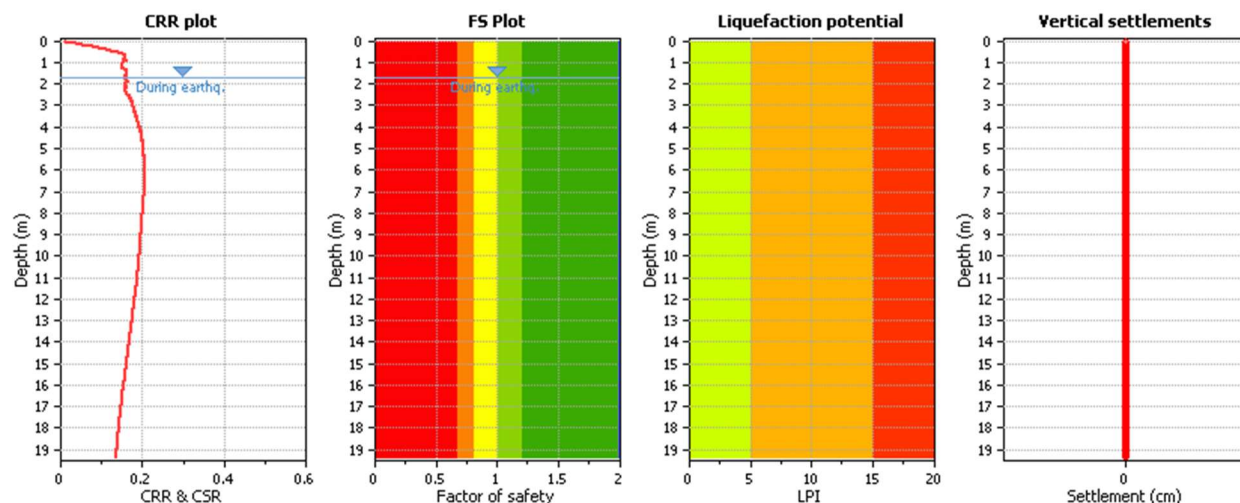


Figura 8 - CPTu-3 - Profili, in sequenza da sinistra a destra, di: CSR/CRR; fattore di sicurezza alla liquefazione; Indice di Potenziale Liquefazione; cedimenti verticali cumulati (nei livelli saturi liquefacibili e nei livelli insaturi, incoerenti).

Diversa si pensa possa essere la situazione rispetto ai cedimenti post-sismici nei livelli coesivi, soffici, che nelle 3 CPTu sono effettivamente prevalenti. Per calcolarne l'entità si è scelto di adottare il procedimento proposto dalla DGR 630/2019 della Regione Emilia-Romagna (Allegato A, paragrafo B3), basato su formule empiriche che sfruttano la conoscenza (diretta o tramite altre formule empiriche) dei seguenti parametri:

- Indice di ricompressione (C_c),
- Indice dei vuoti naturale in sito dell'argilla (e_0),
- La deformazione di taglio massima indotta dal terremoto e calcolata attraverso analisi di risposta sismica locale ($\gamma_{max.}$),
- La deformazione di soglia volumetrica (γ_v), in funzione di OCR e Indice di Plasticità; quest'ultimo, poiché non ottenuto tramite analisi di laboratorio e non ricavabile attraverso formule empiriche dai valori di CPTu, è stato selezionato nei suoi 3 possibili valori proposti dalla DGR 630, ovvero: $I_p(\%)=20, 40$ e 55 .

Il calcolo è stato effettuato anche con il metodo proposto da Robertson (2009)⁷ in funzione dei risultati ottenibili da CPTu, in cui la deformazione volumetrica dei terreni coesivi è funzione del modulo edometrico e della variazione della tensione efficace che si verifica a seguito dei cicli di carico dovuti al sisma. A sua volta, la variazione della tensione efficace è conseguente all'aumento repentino delle pressioni neutre, stimabile tramite il Fattore di Sicurezza alla liquefazione dei terreni coesivi (differente rispetto all'FS dei terreni incoerenti) ed il grado di sovraconsolidazione (OCR).

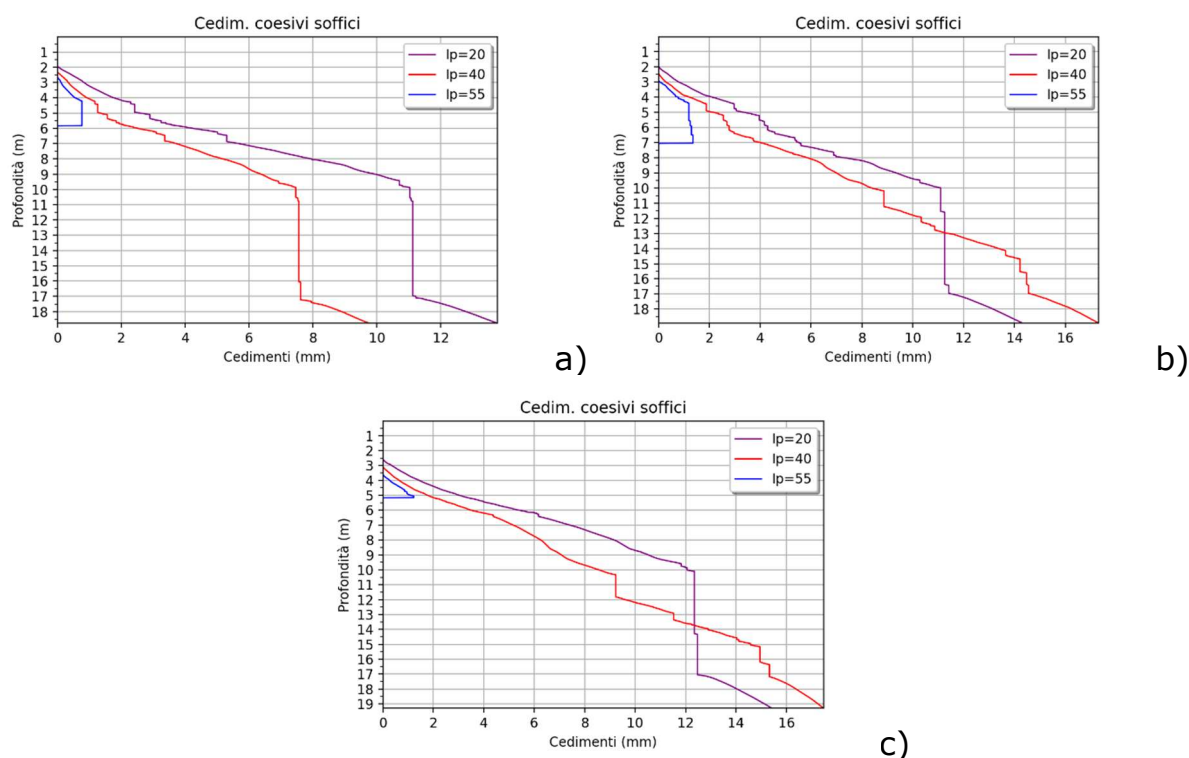


Figura 9 – Profili dei cedimenti post-sismici cumulati che interessano i livelli coesivi, soffici delle 3 CPTu eseguite per questo studio: a) CPTu-1, b) CPTu-2, c) CPTu-3. Metodo di calcolo: DGR 630/2019: $I_p(\%)$ variabile: 20, 40 e 55.

⁷ Robertson, P. K. (2009). Performance based earthquake design using the CPT. Keynote Lecture at International Conference on Performance-Based Design in Earthquake Geotechnical Engineering, Tokyo, Japan, 21 p.

I risultati del calcolo dei cedimenti post-sismici nei terreni coesivi soffici effettuato in base alla DGR 630 è riportato in Allegato 5; nella Figura 9 si riportano i risultati in formato grafico per le 3 CPTu eseguite per questo studio.

Come si può vedere dalla Figura 9, i livelli che contribuiscono maggiormente ai cedimenti complessivi sono tra 2 e 10 m di profondità, con una ripresa tra 17 e 20 m. I cedimenti cumulati maggiori si hanno in corrispondenza delle CPTu-2 e CPTu-3, variabili tra 14 e 17 mm, mentre in corrispondenza della CPTu-1 variano tra 10 e 13 mm.

L'applicazione del metodo di Robertson (2009) ha permesso di calcolare, rispettivamente per le CPTu-1, 2 e 3, cedimenti cumulati pari a 4,3 mm, 2,91 mm e 2,4 mm.

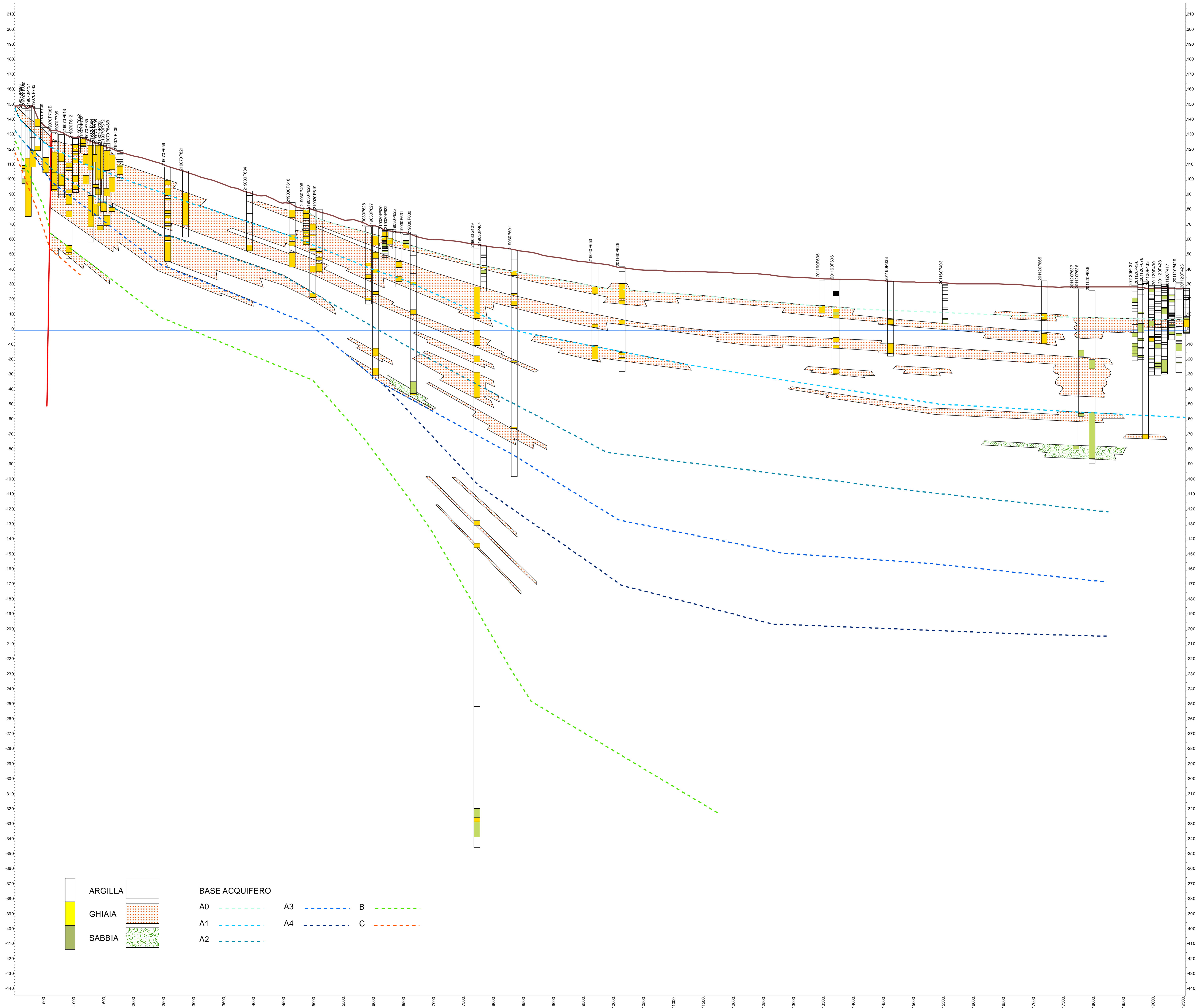
Modena, 30/10/2020

A circular official stamp of the Regione Emilia-Romagna, specifically the Ufficio Provinciale Geologico. The stamp contains the text "REGIONE EMILIA-ROMAGNA", "UFFICIO PROVINCIALE GEOLOGICO", and "VALERIANO FRANCHI". It also includes a registration number "N. 559 ALBO P. V.". A handwritten signature in blue ink is written over the stamp.

Dott. Geol. Valeriano Franchi


Allegato 1













Sezione geologica nr. 101 (Database indagini geognostiche Regione Emilia-Romagna)



Allegato 2

Stratigrafia sondaggio a carotaggio continuo (Eseguita dallo scrivente nell'area del centro commerciale "I Portali" nel 2019)


 <div>SOGEO[®] S.R.L. INDAGINI GEOGNOSTICHE ED AMBIENTALI Via S. Potito n. 43 - 48022 S. Potito di LUGO (RA) Tel. 054522042 - Fax 054534443 - E-mail: sogeo@sogeo-srl.com Concessione Ministero Infrastrutture e Trasporti - Settore C Decr. n. 005754 del 05/07/2010</div>	COMMITTENTE: Dott. Geol. Franchi Valeriano			SOND.N°: S.3	PROF.(m): 25.00
	CANTIERE: Centro Commerciale "I Portali" - Modena			QUOTA (m): p.d.c.	
	PERFORATRICE: Ellettari EK200/STR			LATITUDINE (°):	
	METODO PERFORAZ.: Carotaggio continuo			LONGITUDINE (°):	
RIVESTIMENTO: Ø 127 mm		ATTREZZO PERFORAZ.: Carotiere semplice Ø 101 mm			DATA INIZ-FINE: 25/03/2019-25/03/2019
PIEZOMETRO:					SCALA: 1:100
RIF.PREV.N°: 045-19	CERTIFICATO N°: C19-028-1	RAPPORTO N°: -----	DATA DI EMISSIONE: 28/03/2019	PAGINA N°: 1 di 1	





Scala 1:100	P.P. I [daN/cm²]	Vane Test [daN/cm²]	Profondita'	Stratigrafia	Descrizione	Falda	Campioni	Campioni Rim.	S.P.T. [n. colpi] P.A.	Pz.Norton	Inclinometro
1			0.20		Asfalto						
			1.20		Ghiaia eterometrica, da subarrotondata a subangolare, e sabbia di colore grigio						
2	1.5	0.60	1.70		Limo e argilla di colore grigio						
	1.7	0.80									
3	3.1	1.00			Limo debolmente argilloso e sabbioso di colore grigio con zonature marroni che aumentano con la profondità						
	2.5										
4	1.5	0.60									
	1.4	0.60									
	0.7	0.40	4.20		Limo con sabbia di colore grigio						
5	1.2	0.60									
			5.20						5.00		
6					Campione indisturbato		5.50		3/3/4		
			6.00				C.I.1		5.45		
7					Sabbia fine limosa di colore grigio		6.00				
			7.30								
8	0.9	0.40			Argilla limosa di colore grigio. Da -8.00 a -8.50 m livello con torba e granuli millimetrici ne-rastri						
	1.3	0.60									
	1.0	0.50									
10	2.7	1.30							10.00		
									1/3/4		
11	2.5	1.20							10.45		
	1.4	0.60									
12	1.4	0.60	11.80		Campione indisturbato		11.80				
							C.I.2				
13	1.6	0.70	12.30		Argilla limosa di colore grigio. Da -14.0 m presenti leggere deposizioni carbonatiche		12.30				
	2.0	0.80									
14	2.6	0.90									
	2.0	1.10									
15	4.5										
	2.8	1.10							15.20		
16									2/4/6		
	2.1	1.00							15.65		
17	2.7	1.00									
	1.1	0.40	17.00		Limo argilloso e torba di colore grigio scuro						
18	1.3	0.50									
			18.00								
19	3.7		18.50		Campione indisturbato		18.00				
							C.I.3				
20	2.8	1.00			Argilla limosa di colore grigio, con deposizione carbonatiche saltuarie e scarsa sostanza organica		18.50				
	3.2	1.00							20.00		
21	2.2	0.80							15/21/24		
	2.3	0.90							20.45		
22	3.4		21.50								
					Limo sabbioso, debolmente argilloso, di colore grigio						
23											
24			24.00		Limo argilloso di colore grigio						
25	2.8	1.20									
	3.3	1.00	25.00						25.00		
26									3/4/6		
									25.45		
27											
28											

Note: Variazione litologica a -5.20 m desunta perchè all'interno della prova S.P.T. da -5.00 a -5.45 m.	C.I. = campioni indisturbati
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Lo Sperimentatore

Il Direttore del Laboratorio


<div></div> <div><div>SOGEO</div><div>S.R.L.</div><div>INDAGINI GEOGNOSTICHE ED AMBIENTALI</div><div>Via S. Potito n. 43 - 48022 S. Potito di LUGO (RA)</div><div>Tel. 054522042 - Fax 054534443 - E-mail: sogeo@sogeo-srl.com</div><div>Concessione Ministero Infrastrutture e Trasporti - Settore C</div><div>Decr. n. 005754 del 05/07/2010</div></div>		COMMITTENTE: Dott. Geol. Franchi Valeriano		SOND.N°: S.4	PROF.(m): 25.00
		CANTIERE: Centro Commerciale "I Portali" - Modena		QUOTA (m): p.d.c.	
		PERFORATRICE: Ellettari EK200/STR		LATITUDINE (°):	
		METODO PERFORAZ.: Carotaggio continuo		LONGITUDINE (°):	
RIVESTIMENTO: Ø 127 mm		ATTREZZO PERFORAZ.: Carotiere semplice Ø 101 mm		DATA INIZ-FINE: 26/03/2019-26/03/2019	
PIEZOMETRO:				SCALA: 1:100	
RIF.PREV.N°: 045-19	CERTIFICATO N°: C19-028-2	RAPPORTO N°: -----	DATA DI EMISSIONE: 28/03/2019	PAGINA N°: 1 di 1	


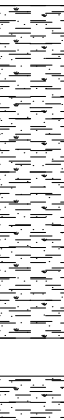
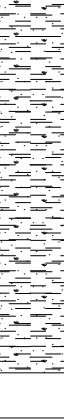


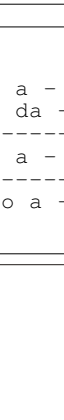
Scala 1:100	P.P. I [daN/cm²]	Vane Test [daN/cm²]	Profondita'	Stratigrafia	Descrizione	Falda	Campioni	Campioni Rim.	S.P.T. [n. colpi] P.A.	Pz.Norton	Inclinometro
			0.10		Pavimentazione di piastrelle						
1					Ghiaia eterometrica, da subangolare a subarrotondata, e sabbia debolmente limosa di colore grigio-marrone						
2	2.3	0.70	1.60								
	3.0	0.40									
3	1.0				Limo argilloso di colore grigio, con livelli debolmente sabbiosi e zonature marroni						
	1.4	0.40									
4	1.5	0.30	3.00				3.00				
			3.50		Campione indisturbato		C.I.1				
5	2.6	1.00									
	1.7	0.50									
6	1.5	0.80			Limo argilloso di colore grigio, con livelli debolmente sabbiosi e zonature marroni						
	0.4	0.20									
7	0.8	0.40							5.50		
	1.4	0.40	6.80						3/2/2		
8	1.2	0.30							5.95		
	2.1	0.80			Limo con argilla e argilla con limo di colore grigio, con saltuarie zonature marroni e tracce di sostanza organica						
	2.2	1.10									
9	3.1		8.80				8.80				
			9.40		Campione indisturbato		C.I.2				
10							9.40		9.40		
	2.9								4/6/9		
11									9.85		
12	2.0	0.90									
	1.9	0.80			Limo con argilla e argilla con limo di colore grigio, con saltuarie zonature marroni e tracce di sostanza organica						
	2.1	0.80									
13	1.4	0.40									
	1.5	0.60									
14	1.6	0.60									
	1.3	0.50	14.50				14.50				
15			15.00		Campione indisturbato		C.I.3		15.00		
	2.5	1.00							15.00		
	2.1	0.80			Limo con argilla e argilla con limo di colore grigio, con saltuarie zonature marroni e tracce di sostanza organica				4/3/6		
17	2.6	0.90							15.45		
	1.3	0.60									
18	1.4	0.60	17.60								
	1.7	0.70									
19	1.1	0.50									
	2.4	1.00			Limo argilloso, debolmente sabbioso, di colore grigio-nerastro, ricco di sostanza organica e torba						
20	2.7	1.10							20.00		
									5/6/4		
21	1.9	1.00	21.00						20.45		
	2.3	0.40									
22	1.7	0.50									
	3.4	1.20									
23	1.2	0.40			Limo argilloso, debolmente sabbioso, di colore grigio, con scarse tracce di sostanza organica. Presenti livelli decimetrici con sabbia e deposizione carbonatiche						
	1.5	0.60									
24	2.3	0.80									
	2.7	0.80									
25			24.80								
			25.00		Sabbia debolmente limosa di colore grigio				25.00		
26									5/7/7		
									25.45		
27											
28											

Note:	C.I. = campioni indisturbati
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Lo Sperimentatore

Il Direttore del Laboratorio

<div><div><div>SOGEO</div><div>S.R.L.</div></div><div><div>INDAGINI GEOGNOSTICHE ED AMBIENTALI</div><div>Via S. Potito n. 43 - 48022 S. Potito di LUGO (RA)</div><div>Tel. 054522042 - Fax 054534443 - E-mail: sogeo@sogeo-srl.com</div><div>Concessione Ministero Infrastrutture e Trasporti - Settore C</div><div>Decr. n. 005754 del 05/07/2010</div></div></div>	COMMITTENTE: Dott. Geol. Franchi Valeriano			SOND.N°: S.6	PROF.(m): 24.00
	CANTIERE: Centro Commerciale "I Portali" - Modena			QUOTA (m): p.d.c.	
	PERFORATRICE: Ellettari EK200/STR			LATITUDINE (°):	
	METODO PERFORAZ.: Carotaggio continuo			LONGITUDINE (°):	
RIVESTIMENTO: Ø 127 mm		ATTREZZO PERFORAZ.: Carotiere semplice Ø 101 mm			DATA INIZ-FINE: 22/03/2019-22/03/2019
PIEZOMETRO: Installato piezometro Norton Ø 3" a -21.50 m dal p.d.c. (fessurato da -2.5 a -21.5 m)					SCALA: 1:100
RIF.PREV.N°: 045-19	CERTIFICATO N°: C19-028-3	RAPPORTO N°: -----	DATA DI EMISSIONE: 28/03/2019	PAGINA N°: 1 di 1	

Scala 1:100	P.P. I [daN/cm²]	Vane Test [daN/cm²]	Profondita'	Stratigrafia	Descrizione	Falda	Campioni	Campioni Rim.	S.P.T. [n. colpi] P.A.	Pz.Norton	Inclinometro	
	> 6		0.20		Limo argilloso di colore marrone, con frustoli vegetali	0.50						
1	> 6				Limo argilloso, debolmente sabbioso, di colore marrone chiaro, molto compatto							
2	4.9	1.00	1.80									
	2.4	1.00			Argilla limosa di colore grigio, con zonature marroni							
3	1.8	0.80										
	1.3	0.60										
4	2.1	1.20	3.80			Argilla limosa, debolmente sabbiosa, di colore grigio						
	2.0	1.00	4.20			Limo e sabbia, debolmente argillosi, di colore grigio						
5			5.00			Campione indisturbato	5.00					
6			5.60					C.I.1 5.60		5.60 2/2/3 6.05		
7	0.8	0.40			Argilla limosa di colore grigio, con livelli decimetrici sabbiosi fino a -10.0 m, e, da -8.0 a -10.0 m, intervalli con granuli di Ø = 2-3 mm. Presenti tracce scure di sostanza organica							
	0.9	0.40										
8	1.4	0.80										
	1.5	0.80										
9	1.4	0.70										
	1.8	1.00										
10	2.7	1.20										
11	2.9	1.20	10.00						10.00			
			10.50			Campione indisturbato			C.I.2 10.50		10.50 2/3/4 10.95	
12	1.3	0.40										
	1.4	0.60			Argilla limosa di colore grigio, con tracce scure di sostanza organica							
13	1.6	0.90										
	1.7	0.80										
14	1.8	1.00										
	1.7	0.90										
15	1.6	0.80										
	1.6	0.80										
16	1.9	1.00						15.00			15.00 3/5/5 15.45	
	1.9	0.80										
17	1.0	0.40	16.00				Campione indisturbato		16.00			
			16.60				C.I.3 16.60					
18	1.3	0.80			Argilla limosa di colore grigio. Da -18.50 m scarse tracce carbonatiche							
	2.2	1.00										
19	2.5	1.30										
	3.0	1.60										
20	2.8	1.00										
	2.8	1.20										
21	2.8	1.10										
			20.40								20.00 4/5/9 20.45	
22							Ghiaia eterometrica (Ømax = 4-5 cm), da subarrotondata a subangolare, e sabbia con limo di colore grigio					
23												
24											23.50 16/18/20 23.95	
			24.00									
25												
26												
27												



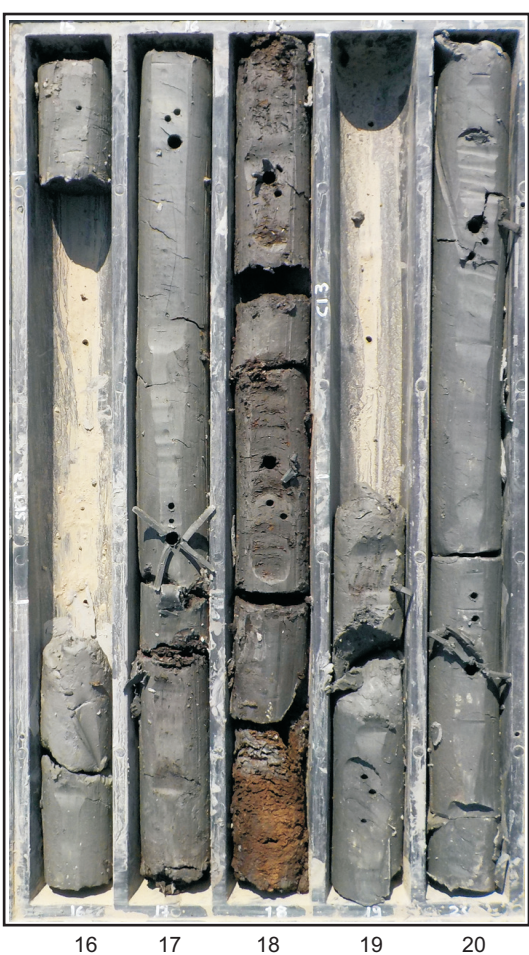
SOGEO
s.r.l.
INGEGNERIA GEOLOGICA E AMBIENTALE
Via S. Pietro n. 43 - 41022 S. Pietro di Lupo (PA)
Tel. 054522042 - Fax 054534443 - E-mail: sogeo@sogeo-sil.com

COMMITTENTE: Dott. Franchi Valeriano
RIF. N° : 045-19

LOCALITA': Centro Commerciale "I Portali" - Modena
ALLEGATO A: C19-028-1
SONDAGGIO N: S.3
DATA: 25/03/2019



Cassa 2 da -5.0 a -10.0 m



Cassa 4 da -15.0 a -20.0 m



Cassa 1 da 0.0 a -5.0 m



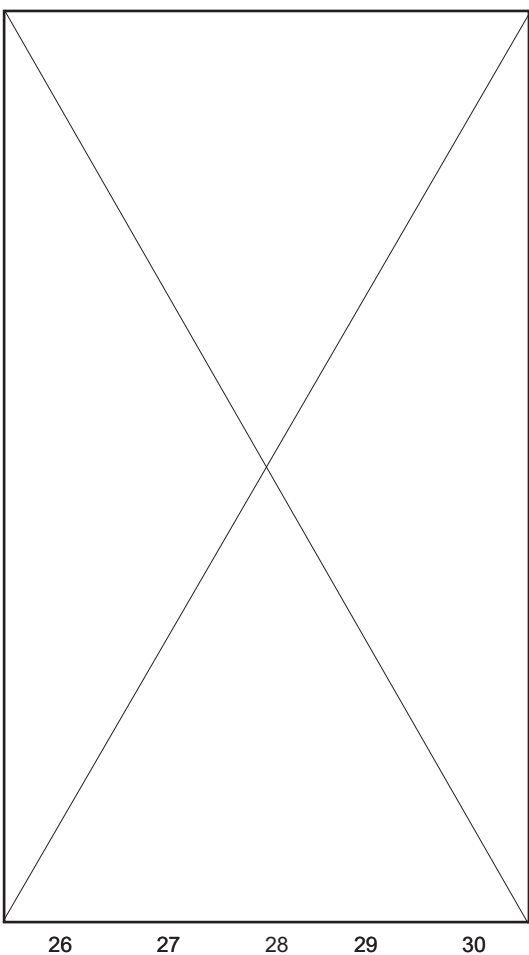
Cassa 3 da -10.0 a -15.0 m



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Tel. 054522042 - Fax 054534443 - E-mail: sogeo@sogeo-srl.com

COMMITTENTE: Dott. Franchi Valeriano
RIF. N° : 045-19

LOCALITA': Centro Commerciale "I Portali" - Modena
ALLEGATO A: C19-028-1
DATA: 25/03/2019



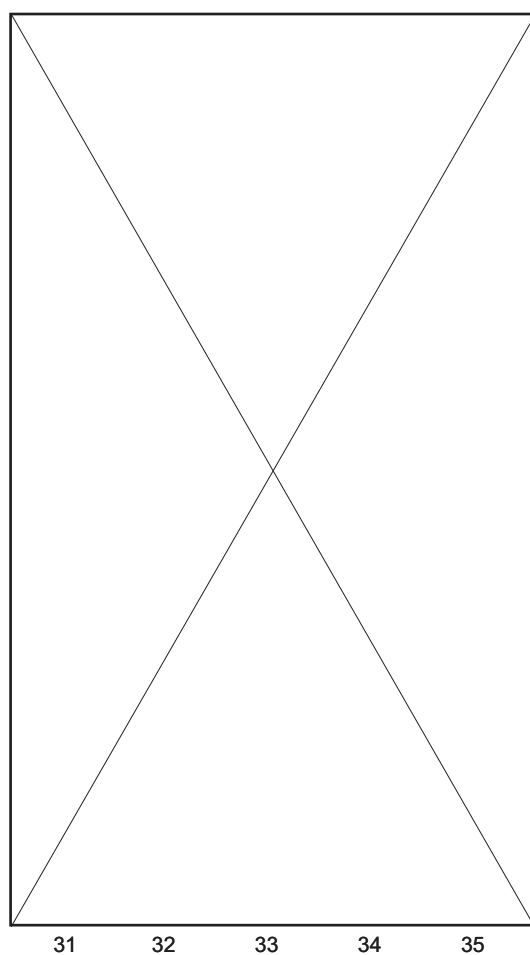
Cassa 6 da -25.0 a -30.0 m



Posizionamento



Cassa 5 da -20.0 a -25.0 m



Cassa 7 da -30.0 a -35.0 m



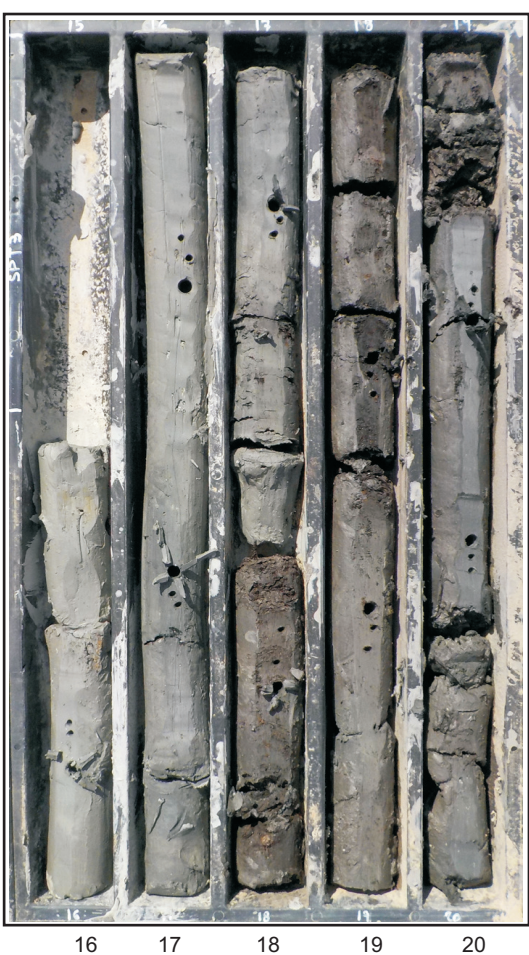
SOGEO s.r.l.
INGEGNI GEOTECNICI ED AMBIENTALI
Via S. Pietro n. 43 - 41022 S. Pietro di Lupo (PA)
Tel. 054522042 - Fax 054534443 - E-mail: sogeo@sogeo-sil.com

COMMITTENTE: Dott. Franchi Valeriano
RIF. N° : 045-19

LOCALITA': Centro Commerciale "I Portali" - Modena
ALLEGATO A: C19-028-2
SONDAGGIO N: S.4
DATA: 26/03/2019



Cassa 2 da -5.0 a -10.0 m



Cassa 4 da -15.0 a -20.0 m



Cassa 1 da 0.0 a -5.0 m



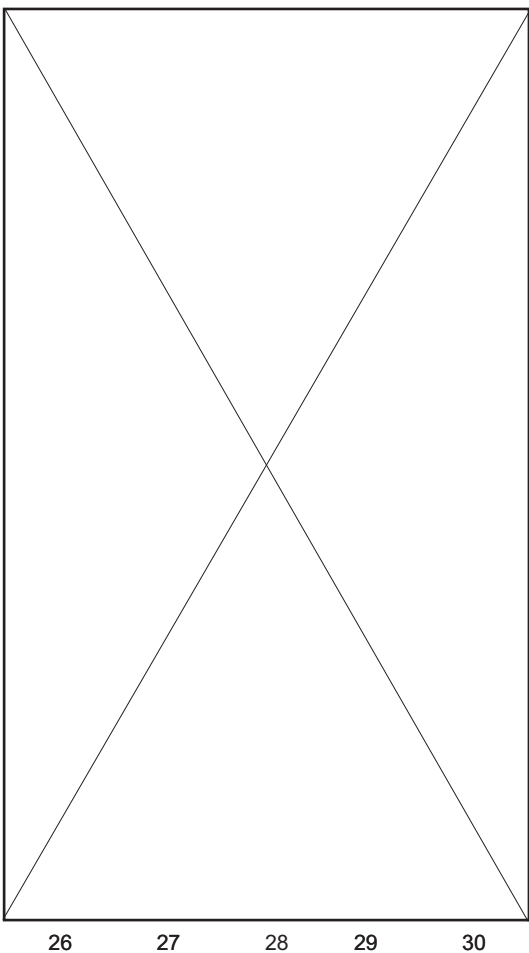
Cassa 3 da -10.0 a -15.0 m



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COMMITTENTE: Dott. Franchi Valeriano
RIF. N° : 045-19

LOCALITA': Centro Commerciale "I Portali" - Modena
ALLEGATO A: C19-028-2
DATA: 26/03/2019



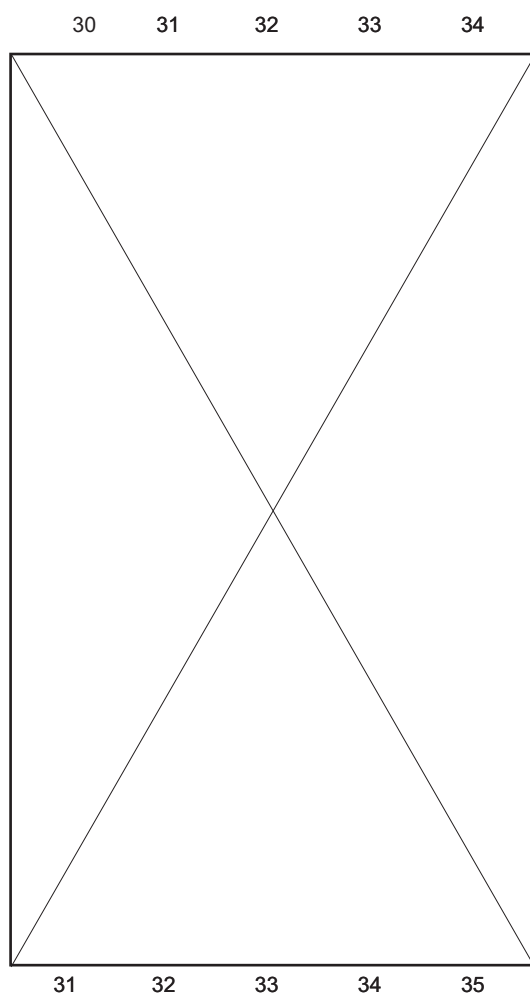
Cassa 6 da -25.0 a -30.0 m



Posizionamento



Cassa 5 da -20.0 a -25.0 m



Cassa 7 da -30.0 a -35.0 m



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INGEGNERIA GEOTECNICA ED AMBIENTALE
Via S. Pietro n. 43 - 41022 S. Pietro di Lupo (PA)
Tel. 054522042 - Fax 054534443 - E-mail: sogeo@sogeo-sil.com

COMMITTENTE: Dott. Franchi Valeriano
RIF. N° : 045-19

LOCALITA': Centro Commerciale "I Portali" - Modena
ALLEGATO A: C19-028-3
SONDAGGIO N: S.6
DATA: 22/03/2019



Cassa 2 da -5.0 a -10.0 m



Cassa 4 da -15.0 a -20.0 m



Cassa 1 da 0.0 a -5.0 m



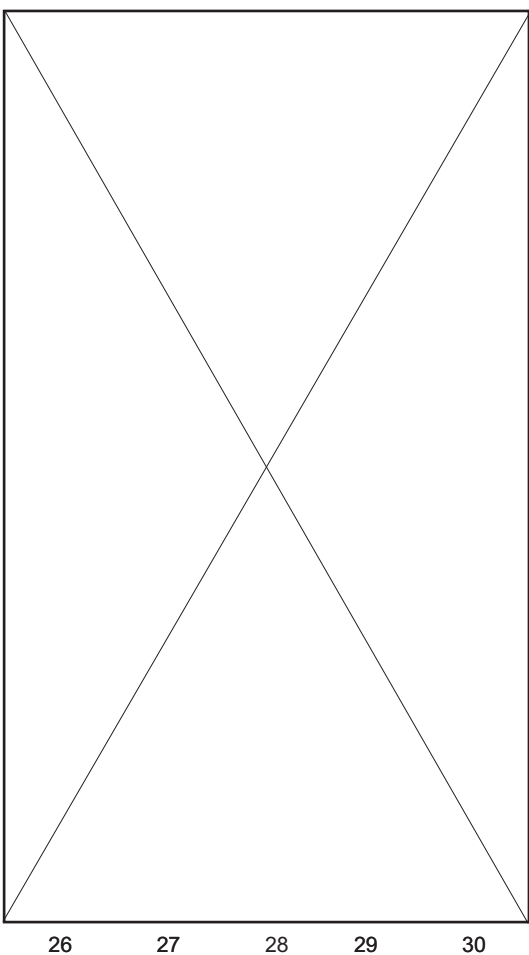
Cassa 3 da -10.0 a -15.0 m



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INDAGNI GEONOSTICHE ED AMBIENTALI
Via S. Pietro n. 43 - 41022 S. Pietro di Lupo (PA)
Tel. 054522042 - Fax 054534443 - E-mail: sogeo@sogeo-srl.com

COMMITTENTE: Dott. Franchi Valeriano
RIF. N° : 045-19

LOCALITA': Centro Commerciale "I Portali" - Modena
ALLEGATO A: C19-028-3
DATA: 22/03/2019



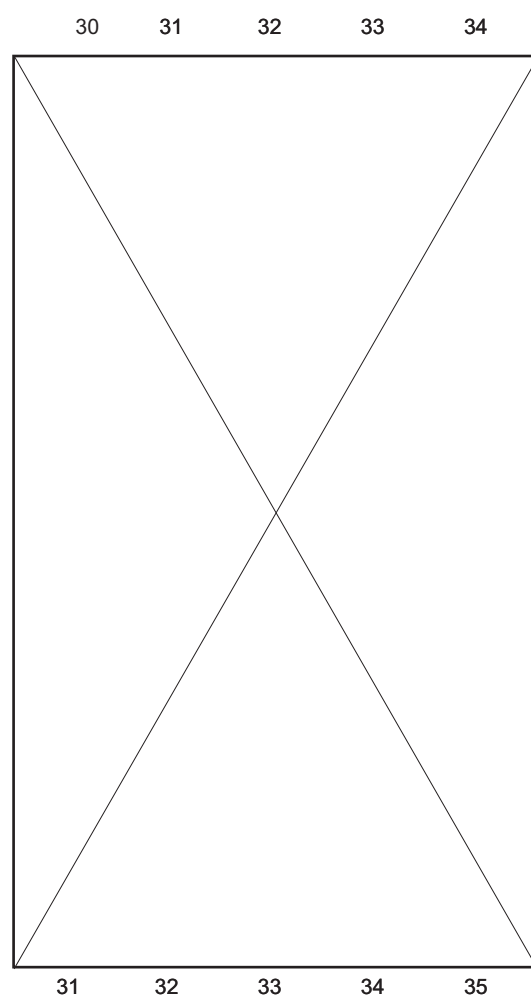
Cassa 6 da -25.0 a -30.0 m



Posizionamento



Cassa 5 da -20.0 a -25.0 m



Cassa 7 da -30.0 a -35.0 m

**SOGEO**^{S.R.L.}

INDAGINI GEOGNOSTICHE ED AMBIENTALI
Via S. Potito n. 43 - 48022 S. Potito di LUGO (RA)
Tel. 054522042 - Fax 054534443 - E-mail: sogeo@sogeo-srl.com
Concessione Ministero Infrastrutture e Trasporti - Settore C
Decr. n. 005754 del 05/07/2010

SCHEMA INSTALLAZIONE STRUMENTI

Piezometro "Norton" (Norm. rif. A.G.I. 1977)

COMMITTENTE: Dott. Geol. Franchi Valeriano

SONDAGGIO N°: S.6

CANTIERE: Centro Commerciale "I Portali"

RIF. PREV. N: 045-19

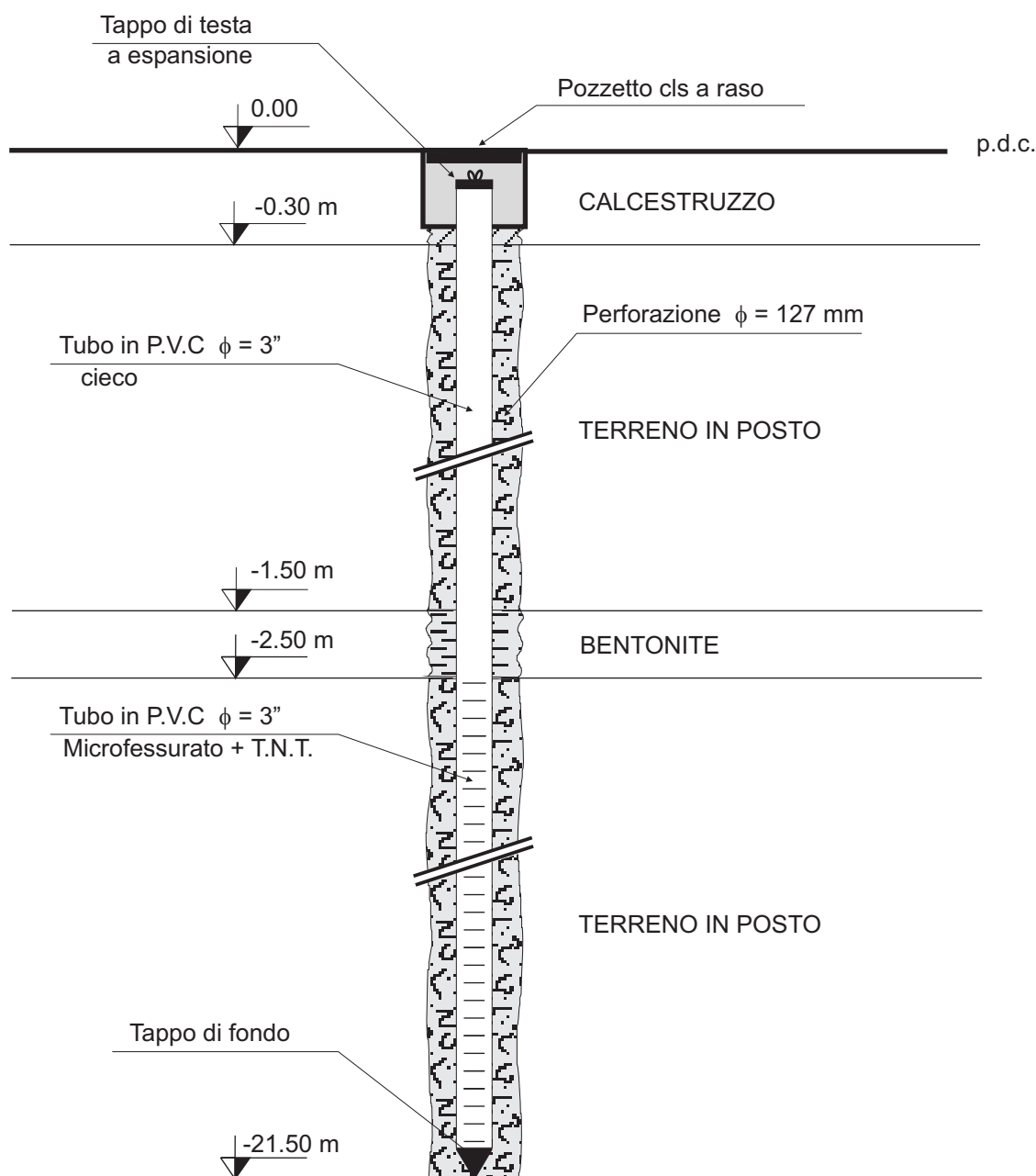
LOCALITA': Modena

DATA DI ESECUZIONE: 22/03/2019

N° CERTIFICATO: C19-028-3

N° RAPPORTO: -----

DATA DI EMISSIONE: 28/03/2019



N.B: SCHEMA NON IN SCALA

Lo Sperimentatore	Note ed osservazioni:	Il Direttore del Laboratorio
	Eseguito lo spurgo del piezometro a fine installazione. Livello acqua a -15.00 m in risalita.	

Allegato 3

Analisi di risposta sismica locale (Dati numerici spettri di risposta, 84° percentile)

Tempo	Acc.	Acc. Norm.
(sec.)	(g)	(g)
0	0.25	0.25
0.01	0.259729	0.2640909
0.011037	0.259811	0.2655518
0.012181	0.259915	0.2671641
0.013444	0.26004	0.2689436
0.014838	0.26019	0.2709075
0.016376	0.260374	0.2730751
0.018074	0.2606	0.2754674
0.019947	0.260878	0.2781077
0.022015	0.26121	0.2810217
0.024298	0.261635	0.2842378
0.026817	0.262167	0.2877874
0.029597	0.262829	0.291705
0.032666	0.263677	0.2960287
0.036052	0.264815	0.3008007
0.03979	0.266597	0.3060674
0.043915	0.270801	0.3118801
0.048468	0.272728	0.3182954
0.053493	0.272798	0.3253759
0.059038	0.277856	0.3331904
0.065159	0.281002	0.3418151
0.071914	0.281854	0.3513339
0.07937	0.29677	0.3618396
0.087599	0.321199	0.3734345
0.09668	0.338317	0.3862314
0.106704	0.385168	0.4003551
0.117766	0.415047	0.415943
0.129975	0.461951	0.4331469
0.14345	0.48679	0.4521345
0.158322	0.47214	0.4730906
0.174736	0.47327	0.4962193
0.192852	0.571083	0.5217458
0.212846	0.548769	0.5499188
0.234912	0.663086	0.56
0.259266	0.63882	0.56
0.286146	0.658393	0.56
0.315811	0.559774	0.56
0.348553	0.576612	0.56
0.384689	0.636256	0.56
0.424571	0.602953	0.56

0.468588	0.527496	0.56
0.517168	0.473534	0.56
0.570785	0.492332	0.56
0.629961	0.530714	0.56
0.695271	0.558004	0.5419469
0.767353	0.495181	0.491039
0.846907	0.398224	0.4449131
0.934709	0.364406	0.40312
1.031614	0.308385	0.3652528
1.138566	0.329065	0.3309427
1.256605	0.242088	0.2998555
1.386883	0.195917	0.2716885
1.530666	0.157346	0.2461673
1.689356	0.096439	0.2230435
1.864499	0.074748	0.2020919
2.057799	0.059894	0.1831083
2.271139	0.042403	0.165908
2.506597	0.03493	0.1503234
2.766465	0.0279	0.128007
3.053276	0.024974	0.1050878
3.369821	0.020292	0.0862721
3.719184	0.014092	0.0708254
4.104766	0.01054	0.0581443
4.530323	0.008172	0.0477338
5	0.006403	0.0391872

Allegato 4

Analisi di suscettività a liquefazione (Dati numerici e grafici)

LIQUEFACTION ANALYSIS REPORT

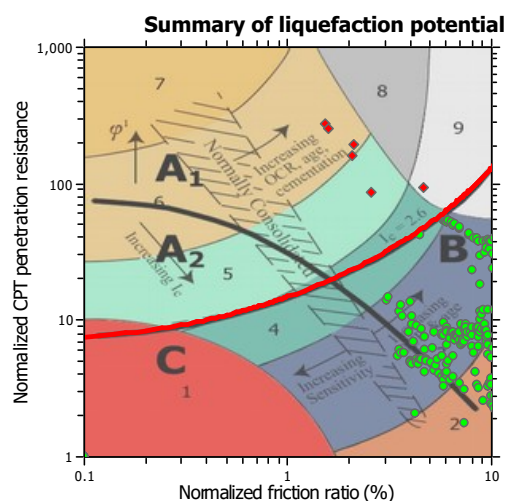
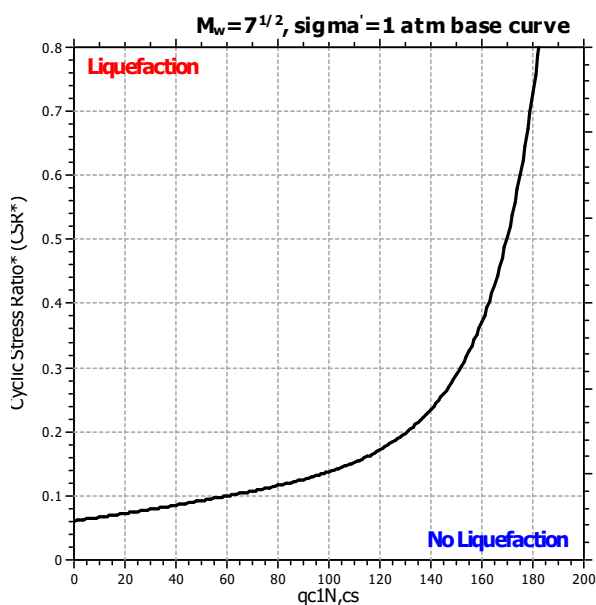
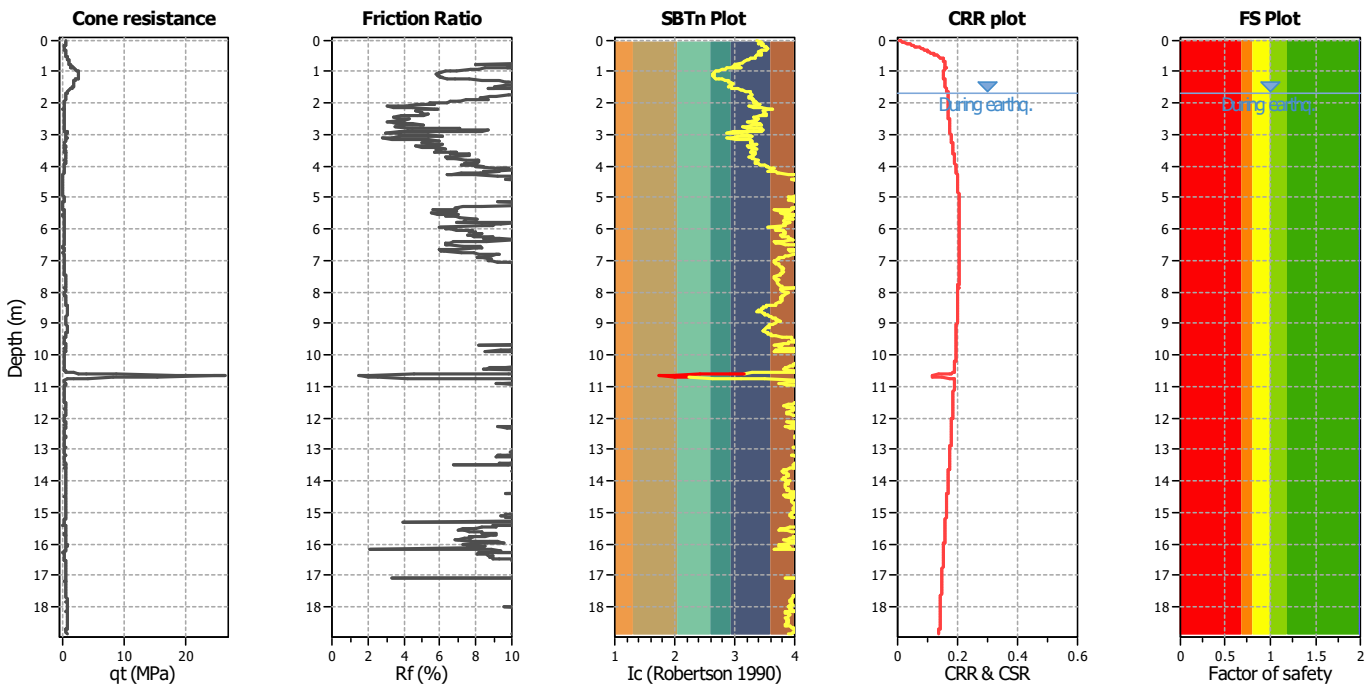
Project title : Piano aree produttive "Santa Caterina"

Location : Modena

CPT file : CPTu-1

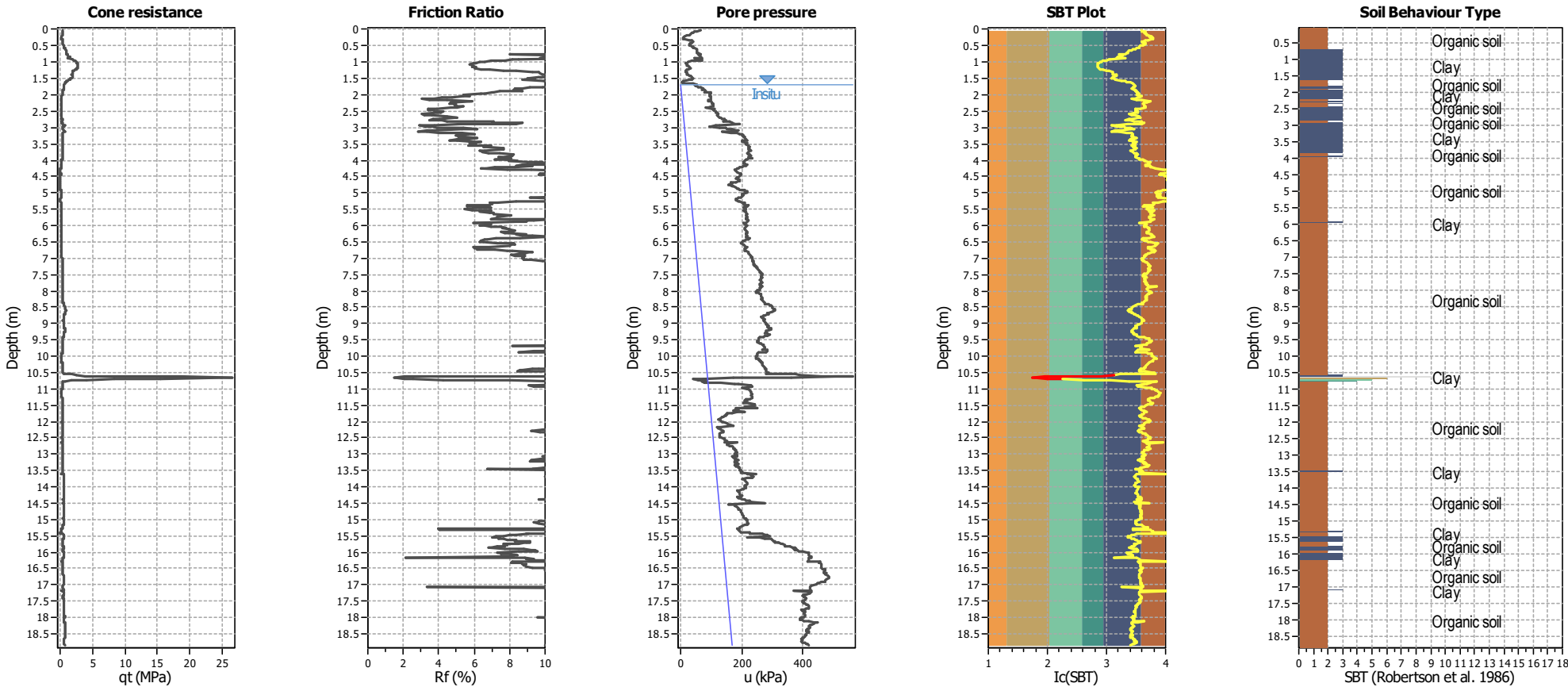
Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	1.70 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.70 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth applied:	No
Earthquake magnitude M_w :	5.98	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	Limit depth:	N/A
Peak ground acceleration:	0.25	Unit weight calculation:	Based on SBT	K_g applied:	No	MSF method:	Method based



Zone A₁: Cyclic liquefaction likely depending on size and duration of cyclic loading
 Zone A₂: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
 Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
 Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots

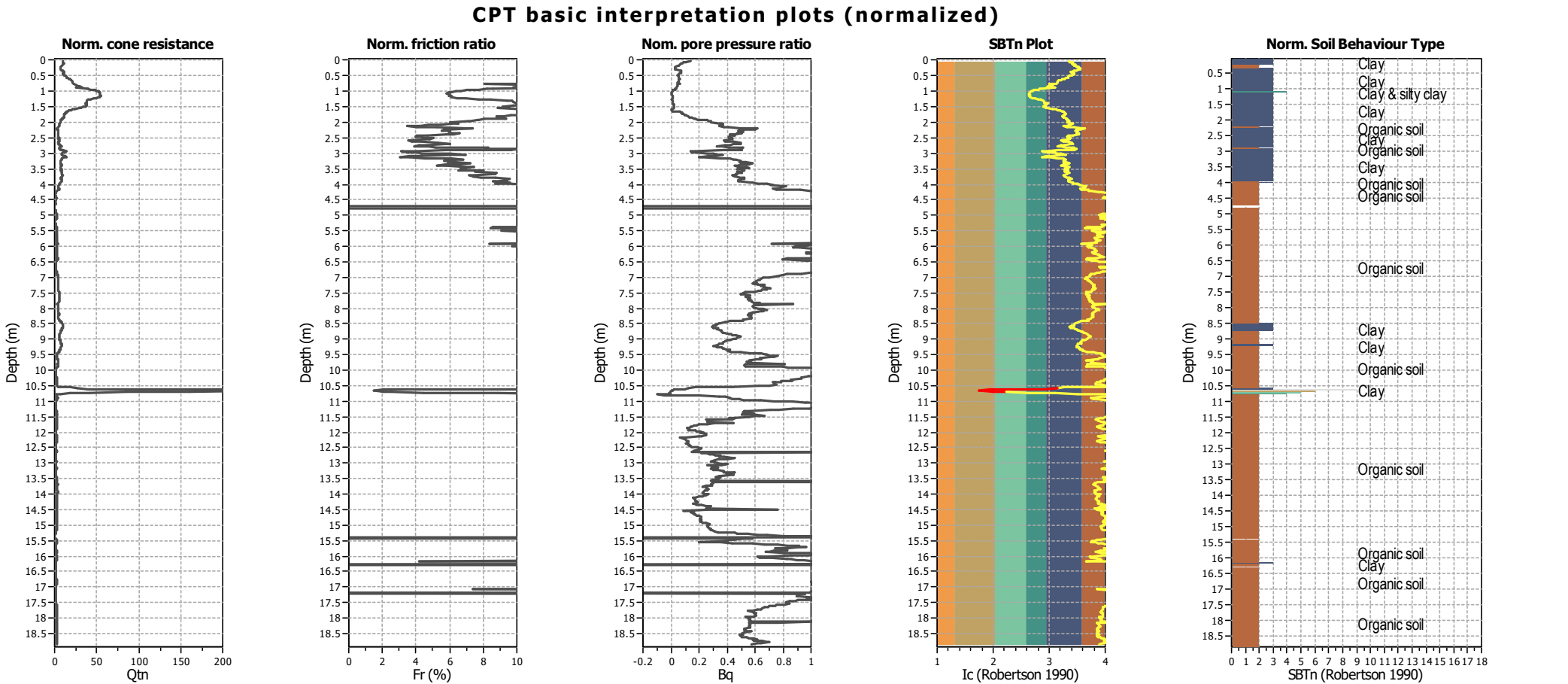


Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.70 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K ₀ applied:	No
Earthquake magnitude M _w :	5.98	Unit weight calculation:	Based on SBT	Clay like beha vior applied:	Sands only
Peak ground acceleration:	0.25	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.70 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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



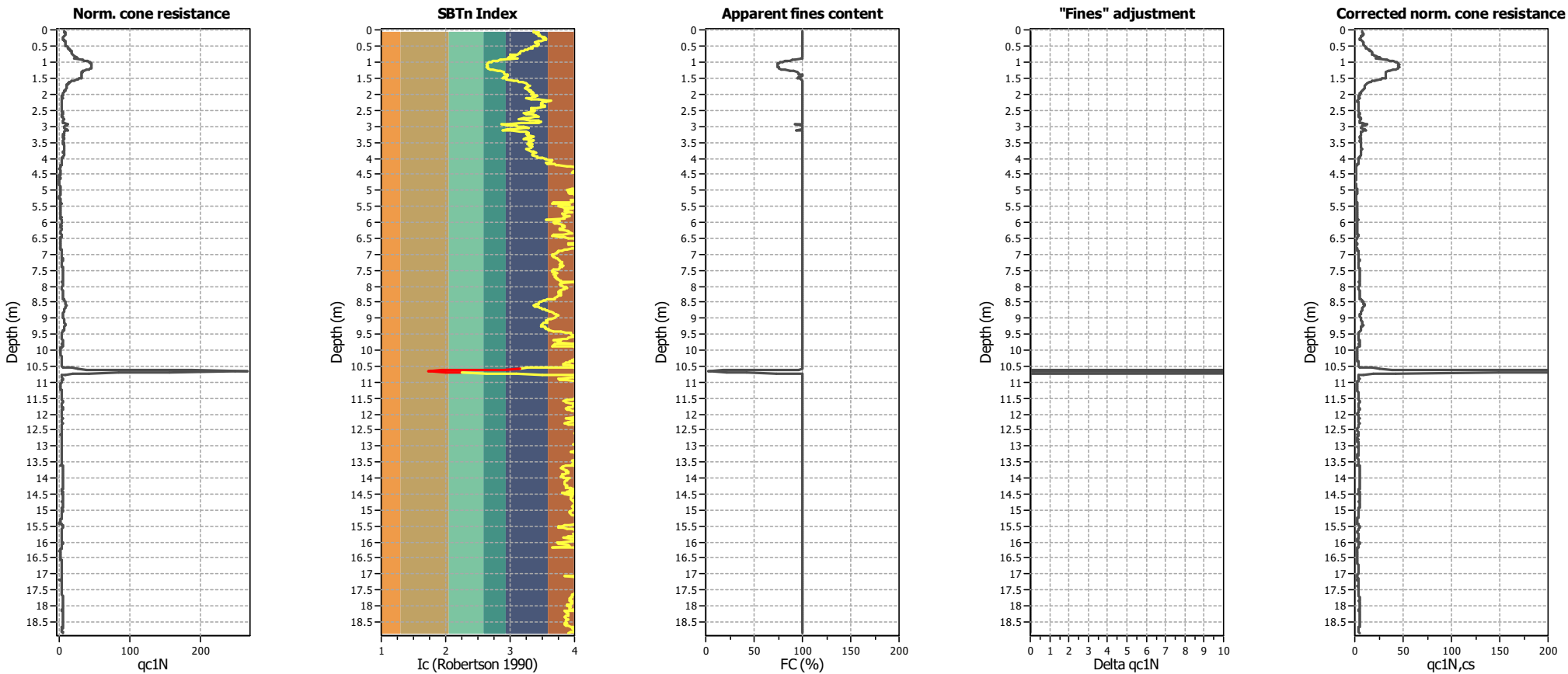
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.70 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K ₀ applied:	No
Earthquake magnitude M _w :	5.98	Unit weight calculation:	Based on SBT	Clay like beha vior applied:	Sands only
Peak ground acceleration:	0.25	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.70 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

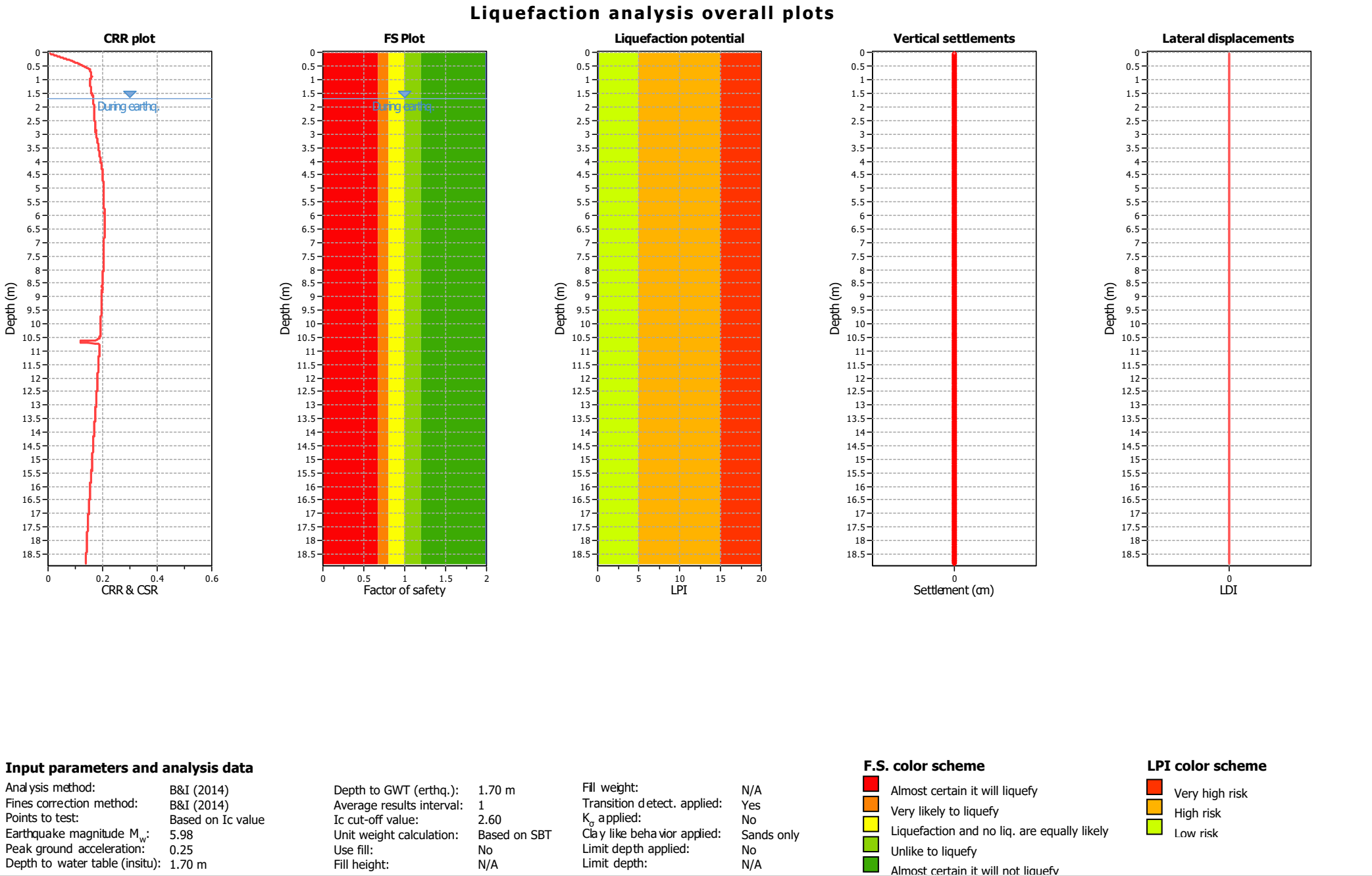
1. Sensitive fine grained	4. Clayey silt to silty	7. Gravely sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

Liquefaction analysis overall plots (intermediate results)

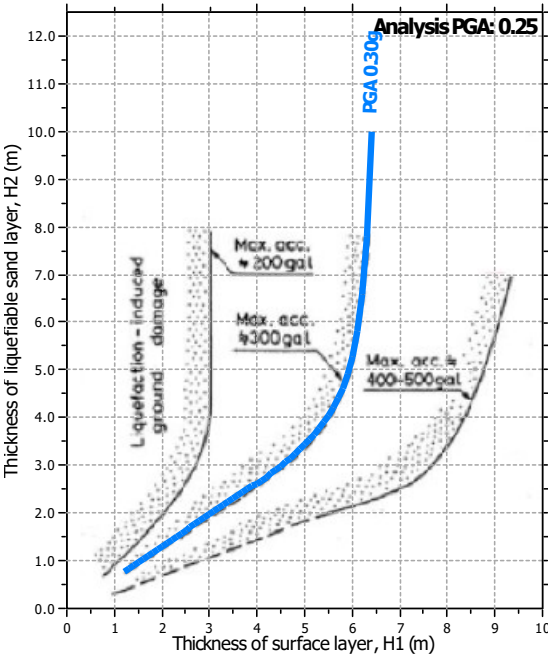
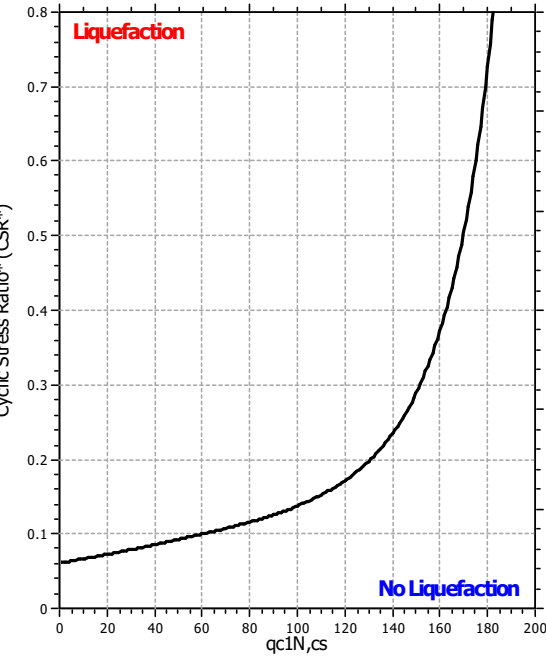
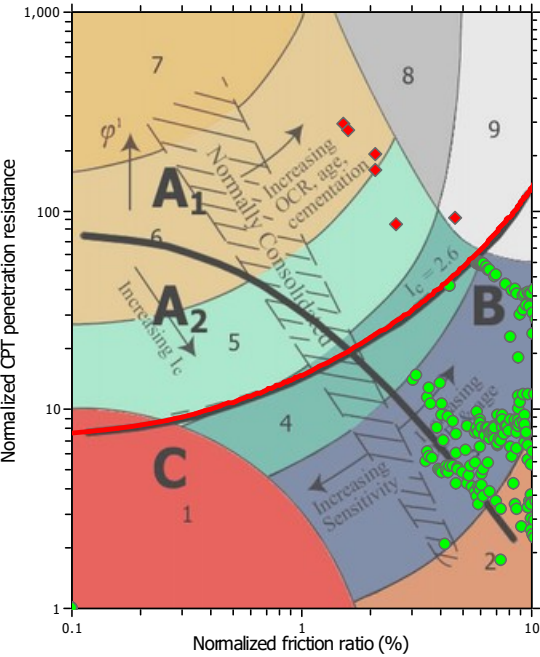


Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.70 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _g applied:	No
Earthquake magnitude M _w :	5.98	Unit weight calculation:	Based on SBT	Clay like beha vior applied:	Sands only
Peak ground acceleration:	0.25	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.70 m	Fill height:	N/A	Limit depth:	N/A



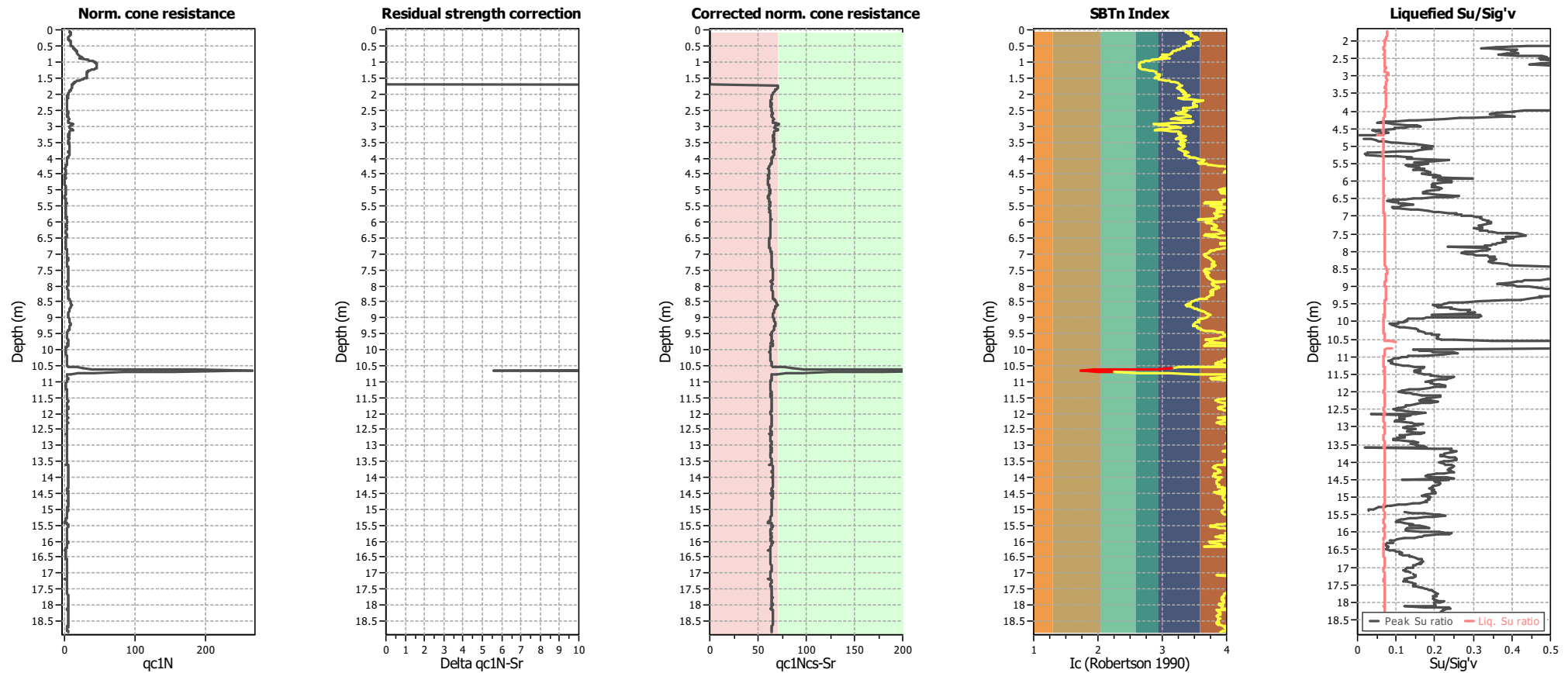
Liquefaction analysis summary plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.70 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	Yes
Points to test:	Based on I_c value	I_c cut-off value:	2.60	K_0 applied:	No
Earthquake magnitude M_w :	5.98	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.25	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.70 m	Fill height:	N/A	Limit depth:	N/A

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.70 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	Yes
Points to test:	Based on I_c value	I_c cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w :	5.98	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.25	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.70 m	Fill height:	N/A	Limit depth:	N/A

Transition layer No	Number of points	Depth	SBT _n number	SBT _n description
Transition layer 1	4	Start depth: 10.60 (m)	3	Clay
		End depth: 10.65 (m)	6	Sand & silty sand
Transition layer 2	5	Start depth: 10.65 (m)	6	Sand & silty sand
		End depth: 10.73 (m)	4	Clay & silty clay

Start depth: Depth where the transition layer begins

End depth: Depth where the transition layer ends

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
0.02	2.00	0.00	9.99	0.02	0.00	0.04	2.00	0.00	9.98	0.02	0.00
0.06	2.00	0.00	9.97	0.02	0.00	0.08	2.00	0.00	9.96	0.02	0.00
0.10	2.00	0.00	9.95	0.02	0.00	0.12	2.00	0.00	9.94	0.02	0.00
0.14	2.00	0.00	9.93	0.02	0.00	0.16	2.00	0.00	9.92	0.02	0.00
0.18	2.00	0.00	9.91	0.02	0.00	0.20	2.00	0.00	9.90	0.02	0.00
0.22	2.00	0.00	9.89	0.02	0.00	0.24	2.00	0.00	9.88	0.02	0.00
0.26	2.00	0.00	9.87	0.02	0.00	0.28	2.00	0.00	9.86	0.02	0.00
0.30	2.00	0.00	9.85	0.02	0.00	0.32	2.00	0.00	9.84	0.02	0.00
0.34	2.00	0.00	9.83	0.02	0.00	0.36	2.00	0.00	9.82	0.02	0.00
0.38	2.00	0.00	9.81	0.02	0.00	0.40	2.00	0.00	9.80	0.02	0.00
0.42	2.00	0.00	9.79	0.02	0.00	0.44	2.00	0.00	9.78	0.02	0.00
0.46	2.00	0.00	9.77	0.02	0.00	0.48	2.00	0.00	9.76	0.02	0.00
0.50	2.00	0.00	9.75	0.02	0.00	0.52	2.00	0.00	9.74	0.02	0.00
0.54	2.00	0.00	9.73	0.02	0.00	0.56	2.00	0.00	9.72	0.02	0.00
0.58	2.00	0.00	9.71	0.02	0.00	0.60	2.00	0.00	9.70	0.02	0.00
0.62	2.00	0.00	9.69	0.02	0.00	0.64	2.00	0.00	9.68	0.02	0.00
0.66	2.00	0.00	9.67	0.02	0.00	0.68	2.00	0.00	9.66	0.02	0.00
0.70	2.00	0.00	9.65	0.02	0.00	0.72	2.00	0.00	9.64	0.02	0.00
0.74	2.00	0.00	9.63	0.02	0.00	0.76	2.00	0.00	9.62	0.02	0.00
0.78	2.00	0.00	9.61	0.02	0.00	0.80	2.00	0.00	9.60	0.02	0.00
0.82	2.00	0.00	9.59	0.02	0.00	0.84	2.00	0.00	9.58	0.02	0.00
0.86	2.00	0.00	9.57	0.02	0.00	0.88	2.00	0.00	9.56	0.02	0.00
0.90	2.00	0.00	9.55	0.02	0.00	0.92	2.00	0.00	9.54	0.02	0.00
0.94	2.00	0.00	9.53	0.02	0.00	0.96	2.00	0.00	9.52	0.02	0.00
0.98	2.00	0.00	9.51	0.02	0.00	1.00	2.00	0.00	9.50	0.02	0.00
1.02	2.00	0.00	9.49	0.02	0.00	1.04	2.00	0.00	9.48	0.02	0.00
1.06	2.00	0.00	9.47	0.02	0.00	1.08	2.00	0.00	9.46	0.02	0.00
1.10	2.00	0.00	9.45	0.02	0.00	1.12	2.00	0.00	9.44	0.02	0.00
1.14	2.00	0.00	9.43	0.02	0.00	1.16	2.00	0.00	9.42	0.02	0.00
1.18	2.00	0.00	9.41	0.02	0.00	1.20	2.00	0.00	9.40	0.02	0.00
1.22	2.00	0.00	9.39	0.02	0.00	1.24	2.00	0.00	9.38	0.02	0.00
1.26	2.00	0.00	9.37	0.02	0.00	1.28	2.00	0.00	9.36	0.02	0.00
1.30	2.00	0.00	9.35	0.02	0.00	1.32	2.00	0.00	9.34	0.02	0.00
1.34	2.00	0.00	9.33	0.02	0.00	1.36	2.00	0.00	9.32	0.02	0.00
1.38	2.00	0.00	9.31	0.02	0.00	1.40	2.00	0.00	9.30	0.02	0.00
1.42	2.00	0.00	9.29	0.02	0.00	1.44	2.00	0.00	9.28	0.02	0.00
1.46	2.00	0.00	9.27	0.02	0.00	1.48	2.00	0.00	9.26	0.02	0.00
1.50	2.00	0.00	9.25	0.02	0.00	1.52	2.00	0.00	9.24	0.02	0.00
1.54	2.00	0.00	9.23	0.02	0.00	1.56	2.00	0.00	9.22	0.02	0.00
1.58	2.00	0.00	9.21	0.02	0.00	1.60	2.00	0.00	9.20	0.02	0.00
1.62	2.00	0.00	9.19	0.02	0.00	1.64	2.00	0.00	9.18	0.02	0.00
1.66	2.00	0.00	9.17	0.02	0.00	1.68	2.00	0.00	9.16	0.02	0.00
1.70	2.00	0.00	9.15	0.02	0.00	1.72	2.00	0.00	9.14	0.02	0.00
1.74	2.00	0.00	9.13	0.02	0.00	1.76	2.00	0.00	9.12	0.02	0.00
1.78	2.00	0.00	9.11	0.02	0.00	1.80	2.00	0.00	9.10	0.02	0.00
1.82	2.00	0.00	9.09	0.02	0.00	1.84	2.00	0.00	9.08	0.02	0.00
1.86	2.00	0.00	9.07	0.02	0.00	1.88	2.00	0.00	9.06	0.02	0.00
1.90	2.00	0.00	9.05	0.02	0.00	1.92	2.00	0.00	9.04	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
1.94	2.00	0.00	9.03	0.02	0.00	1.96	2.00	0.00	9.02	0.02	0.00
1.98	2.00	0.00	9.01	0.02	0.00	2.00	2.00	0.00	9.00	0.02	0.00
2.02	2.00	0.00	8.99	0.02	0.00	2.04	2.00	0.00	8.98	0.02	0.00
2.06	2.00	0.00	8.97	0.02	0.00	2.08	2.00	0.00	8.96	0.02	0.00
2.10	2.00	0.00	8.95	0.02	0.00	2.12	2.00	0.00	8.94	0.02	0.00
2.14	2.00	0.00	8.93	0.02	0.00	2.16	2.00	0.00	8.92	0.02	0.00
2.18	2.00	0.00	8.91	0.02	0.00	2.20	2.00	0.00	8.90	0.02	0.00
2.22	2.00	0.00	8.89	0.02	0.00	2.24	2.00	0.00	8.88	0.02	0.00
2.26	2.00	0.00	8.87	0.02	0.00	2.28	2.00	0.00	8.86	0.02	0.00
2.30	2.00	0.00	8.85	0.02	0.00	2.32	2.00	0.00	8.84	0.02	0.00
2.34	2.00	0.00	8.83	0.02	0.00	2.36	2.00	0.00	8.82	0.02	0.00
2.38	2.00	0.00	8.81	0.02	0.00	2.40	2.00	0.00	8.80	0.02	0.00
2.42	2.00	0.00	8.79	0.02	0.00	2.44	2.00	0.00	8.78	0.02	0.00
2.46	2.00	0.00	8.77	0.02	0.00	2.48	2.00	0.00	8.76	0.02	0.00
2.50	2.00	0.00	8.75	0.02	0.00	2.52	2.00	0.00	8.74	0.02	0.00
2.54	2.00	0.00	8.73	0.02	0.00	2.56	2.00	0.00	8.72	0.02	0.00
2.58	2.00	0.00	8.71	0.02	0.00	2.60	2.00	0.00	8.70	0.02	0.00
2.62	2.00	0.00	8.69	0.02	0.00	2.64	2.00	0.00	8.68	0.02	0.00
2.66	2.00	0.00	8.67	0.02	0.00	2.68	2.00	0.00	8.66	0.02	0.00
2.70	2.00	0.00	8.65	0.02	0.00	2.72	2.00	0.00	8.64	0.02	0.00
2.74	2.00	0.00	8.63	0.02	0.00	2.76	2.00	0.00	8.62	0.02	0.00
2.78	2.00	0.00	8.61	0.02	0.00	2.80	2.00	0.00	8.60	0.02	0.00
2.82	2.00	0.00	8.59	0.02	0.00	2.84	2.00	0.00	8.58	0.02	0.00
2.86	2.00	0.00	8.57	0.02	0.00	2.88	2.00	0.00	8.56	0.02	0.00
2.90	2.00	0.00	8.55	0.02	0.00	2.92	2.00	0.00	8.54	0.02	0.00
2.94	2.00	0.00	8.53	0.02	0.00	2.96	2.00	0.00	8.52	0.02	0.00
2.98	2.00	0.00	8.51	0.02	0.00	3.00	2.00	0.00	8.50	0.02	0.00
3.02	2.00	0.00	8.49	0.02	0.00	3.04	2.00	0.00	8.48	0.02	0.00
3.06	2.00	0.00	8.47	0.02	0.00	3.08	2.00	0.00	8.46	0.02	0.00
3.10	2.00	0.00	8.45	0.02	0.00	3.12	2.00	0.00	8.44	0.02	0.00
3.14	2.00	0.00	8.43	0.02	0.00	3.16	2.00	0.00	8.42	0.02	0.00
3.18	2.00	0.00	8.41	0.02	0.00	3.20	2.00	0.00	8.40	0.02	0.00
3.22	2.00	0.00	8.39	0.02	0.00	3.24	2.00	0.00	8.38	0.02	0.00
3.26	2.00	0.00	8.37	0.02	0.00	3.28	2.00	0.00	8.36	0.02	0.00
3.30	2.00	0.00	8.35	0.02	0.00	3.32	2.00	0.00	8.34	0.02	0.00
3.34	2.00	0.00	8.33	0.02	0.00	3.36	2.00	0.00	8.32	0.02	0.00
3.38	2.00	0.00	8.31	0.02	0.00	3.40	2.00	0.00	8.30	0.02	0.00
3.42	2.00	0.00	8.29	0.02	0.00	3.44	2.00	0.00	8.28	0.02	0.00
3.46	2.00	0.00	8.27	0.02	0.00	3.48	2.00	0.00	8.26	0.02	0.00
3.50	2.00	0.00	8.25	0.02	0.00	3.52	2.00	0.00	8.24	0.02	0.00
3.54	2.00	0.00	8.23	0.02	0.00	3.56	2.00	0.00	8.22	0.02	0.00
3.58	2.00	0.00	8.21	0.02	0.00	3.60	2.00	0.00	8.20	0.02	0.00
3.62	2.00	0.00	8.19	0.02	0.00	3.64	2.00	0.00	8.18	0.02	0.00
3.66	2.00	0.00	8.17	0.02	0.00	3.68	2.00	0.00	8.16	0.02	0.00
3.70	2.00	0.00	8.15	0.02	0.00	3.72	2.00	0.00	8.14	0.02	0.00
3.74	2.00	0.00	8.13	0.02	0.00	3.76	2.00	0.00	8.12	0.02	0.00
3.78	2.00	0.00	8.11	0.02	0.00	3.80	2.00	0.00	8.10	0.02	0.00
3.82	2.00	0.00	8.09	0.02	0.00	3.84	2.00	0.00	8.08	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
3.86	2.00	0.00	8.07	0.02	0.00	3.88	2.00	0.00	8.06	0.02	0.00
3.90	2.00	0.00	8.05	0.02	0.00	3.92	2.00	0.00	8.04	0.02	0.00
3.94	2.00	0.00	8.03	0.02	0.00	3.95	2.00	0.00	8.03	0.01	0.00
3.97	2.00	0.00	8.02	0.02	0.00	3.99	2.00	0.00	8.01	0.02	0.00
4.01	2.00	0.00	8.00	0.02	0.00	4.03	2.00	0.00	7.99	0.02	0.00
4.05	2.00	0.00	7.98	0.02	0.00	4.07	2.00	0.00	7.97	0.02	0.00
4.09	2.00	0.00	7.96	0.02	0.00	4.11	2.00	0.00	7.95	0.02	0.00
4.13	2.00	0.00	7.94	0.02	0.00	4.15	2.00	0.00	7.93	0.02	0.00
4.17	2.00	0.00	7.92	0.02	0.00	4.19	2.00	0.00	7.91	0.02	0.00
4.21	2.00	0.00	7.90	0.02	0.00	4.23	2.00	0.00	7.89	0.02	0.00
4.25	2.00	0.00	7.88	0.02	0.00	4.27	2.00	0.00	7.87	0.02	0.00
4.29	2.00	0.00	7.86	0.02	0.00	4.31	2.00	0.00	7.85	0.02	0.00
4.33	2.00	0.00	7.84	0.02	0.00	4.35	2.00	0.00	7.83	0.02	0.00
4.37	2.00	0.00	7.82	0.02	0.00	4.39	2.00	0.00	7.81	0.02	0.00
4.41	2.00	0.00	7.80	0.02	0.00	4.43	2.00	0.00	7.79	0.02	0.00
4.45	2.00	0.00	7.78	0.02	0.00	4.47	2.00	0.00	7.77	0.02	0.00
4.49	2.00	0.00	7.76	0.02	0.00	4.51	2.00	0.00	7.75	0.02	0.00
4.53	2.00	0.00	7.74	0.02	0.00	4.55	2.00	0.00	7.73	0.02	0.00
4.57	2.00	0.00	7.72	0.02	0.00	4.59	2.00	0.00	7.71	0.02	0.00
4.61	2.00	0.00	7.70	0.02	0.00	4.63	2.00	0.00	7.69	0.02	0.00
4.65	2.00	0.00	7.68	0.02	0.00	4.67	2.00	0.00	7.67	0.02	0.00
4.69	2.00	0.00	7.66	0.02	0.00	4.71	2.00	0.00	7.65	0.02	0.00
4.73	2.00	0.00	7.64	0.02	0.00	4.75	2.00	0.00	7.63	0.02	0.00
4.77	2.00	0.00	7.62	0.02	0.00	4.79	2.00	0.00	7.61	0.02	0.00
4.81	2.00	0.00	7.60	0.02	0.00	4.83	2.00	0.00	7.59	0.02	0.00
4.85	2.00	0.00	7.58	0.02	0.00	4.87	2.00	0.00	7.57	0.02	0.00
4.89	2.00	0.00	7.56	0.02	0.00	4.91	2.00	0.00	7.55	0.02	0.00
4.93	2.00	0.00	7.54	0.02	0.00	4.95	2.00	0.00	7.53	0.02	0.00
4.97	2.00	0.00	7.52	0.02	0.00	4.99	2.00	0.00	7.51	0.02	0.00
5.01	2.00	0.00	7.50	0.02	0.00	5.03	2.00	0.00	7.49	0.02	0.00
5.05	2.00	0.00	7.48	0.02	0.00	5.07	2.00	0.00	7.47	0.02	0.00
5.09	2.00	0.00	7.46	0.02	0.00	5.11	2.00	0.00	7.45	0.02	0.00
5.13	2.00	0.00	7.44	0.02	0.00	5.15	2.00	0.00	7.43	0.02	0.00
5.17	2.00	0.00	7.42	0.02	0.00	5.19	2.00	0.00	7.41	0.02	0.00
5.21	2.00	0.00	7.40	0.02	0.00	5.23	2.00	0.00	7.39	0.02	0.00
5.25	2.00	0.00	7.38	0.02	0.00	5.27	2.00	0.00	7.37	0.02	0.00
5.29	2.00	0.00	7.36	0.02	0.00	5.31	2.00	0.00	7.35	0.02	0.00
5.33	2.00	0.00	7.34	0.02	0.00	5.35	2.00	0.00	7.33	0.02	0.00
5.37	2.00	0.00	7.32	0.02	0.00	5.39	2.00	0.00	7.31	0.02	0.00
5.41	2.00	0.00	7.30	0.02	0.00	5.43	2.00	0.00	7.29	0.02	0.00
5.45	2.00	0.00	7.28	0.02	0.00	5.47	2.00	0.00	7.27	0.02	0.00
5.49	2.00	0.00	7.26	0.02	0.00	5.51	2.00	0.00	7.25	0.02	0.00
5.53	2.00	0.00	7.24	0.02	0.00	5.55	2.00	0.00	7.23	0.02	0.00
5.57	2.00	0.00	7.22	0.02	0.00	5.59	2.00	0.00	7.21	0.02	0.00
5.61	2.00	0.00	7.20	0.02	0.00	5.63	2.00	0.00	7.19	0.02	0.00
5.65	2.00	0.00	7.18	0.02	0.00	5.67	2.00	0.00	7.17	0.02	0.00
5.69	2.00	0.00	7.16	0.02	0.00	5.71	2.00	0.00	7.15	0.02	0.00
5.73	2.00	0.00	7.14	0.02	0.00	5.75	2.00	0.00	7.13	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
5.77	2.00	0.00	7.12	0.02	0.00	5.79	2.00	0.00	7.11	0.02	0.00
5.81	2.00	0.00	7.10	0.02	0.00	5.83	2.00	0.00	7.09	0.02	0.00
5.85	2.00	0.00	7.08	0.02	0.00	5.87	2.00	0.00	7.07	0.02	0.00
5.89	2.00	0.00	7.06	0.02	0.00	5.90	2.00	0.00	7.05	0.01	0.00
5.92	2.00	0.00	7.04	0.02	0.00	5.94	2.00	0.00	7.03	0.02	0.00
5.96	2.00	0.00	7.02	0.02	0.00	5.98	2.00	0.00	7.01	0.02	0.00
6.00	2.00	0.00	7.00	0.02	0.00	6.02	2.00	0.00	6.99	0.02	0.00
6.04	2.00	0.00	6.98	0.02	0.00	6.06	2.00	0.00	6.97	0.02	0.00
6.08	2.00	0.00	6.96	0.02	0.00	6.10	2.00	0.00	6.95	0.02	0.00
6.12	2.00	0.00	6.94	0.02	0.00	6.14	2.00	0.00	6.93	0.02	0.00
6.16	2.00	0.00	6.92	0.02	0.00	6.18	2.00	0.00	6.91	0.02	0.00
6.20	2.00	0.00	6.90	0.02	0.00	6.22	2.00	0.00	6.89	0.02	0.00
6.24	2.00	0.00	6.88	0.02	0.00	6.26	2.00	0.00	6.87	0.02	0.00
6.28	2.00	0.00	6.86	0.02	0.00	6.30	2.00	0.00	6.85	0.02	0.00
6.32	2.00	0.00	6.84	0.02	0.00	6.34	2.00	0.00	6.83	0.02	0.00
6.36	2.00	0.00	6.82	0.02	0.00	6.38	2.00	0.00	6.81	0.02	0.00
6.40	2.00	0.00	6.80	0.02	0.00	6.42	2.00	0.00	6.79	0.02	0.00
6.44	2.00	0.00	6.78	0.02	0.00	6.46	2.00	0.00	6.77	0.02	0.00
6.48	2.00	0.00	6.76	0.02	0.00	6.50	2.00	0.00	6.75	0.02	0.00
6.52	2.00	0.00	6.74	0.02	0.00	6.54	2.00	0.00	6.73	0.02	0.00
6.56	2.00	0.00	6.72	0.02	0.00	6.58	2.00	0.00	6.71	0.02	0.00
6.60	2.00	0.00	6.70	0.02	0.00	6.62	2.00	0.00	6.69	0.02	0.00
6.64	2.00	0.00	6.68	0.02	0.00	6.66	2.00	0.00	6.67	0.02	0.00
6.68	2.00	0.00	6.66	0.02	0.00	6.70	2.00	0.00	6.65	0.02	0.00
6.72	2.00	0.00	6.64	0.02	0.00	6.74	2.00	0.00	6.63	0.02	0.00
6.76	2.00	0.00	6.62	0.02	0.00	6.78	2.00	0.00	6.61	0.02	0.00
6.80	2.00	0.00	6.60	0.02	0.00	6.82	2.00	0.00	6.59	0.02	0.00
6.84	2.00	0.00	6.58	0.02	0.00	6.86	2.00	0.00	6.57	0.02	0.00
6.88	2.00	0.00	6.56	0.02	0.00	6.90	2.00	0.00	6.55	0.02	0.00
6.92	2.00	0.00	6.54	0.02	0.00	6.94	2.00	0.00	6.53	0.02	0.00
6.96	2.00	0.00	6.52	0.02	0.00	6.98	2.00	0.00	6.51	0.02	0.00
6.99	2.00	0.00	6.51	0.01	0.00	7.01	2.00	0.00	6.50	0.02	0.00
7.03	2.00	0.00	6.49	0.02	0.00	7.05	2.00	0.00	6.48	0.02	0.00
7.07	2.00	0.00	6.47	0.02	0.00	7.09	2.00	0.00	6.46	0.02	0.00
7.11	2.00	0.00	6.45	0.02	0.00	7.13	2.00	0.00	6.44	0.02	0.00
7.15	2.00	0.00	6.43	0.02	0.00	7.17	2.00	0.00	6.42	0.02	0.00
7.19	2.00	0.00	6.41	0.02	0.00	7.21	2.00	0.00	6.40	0.02	0.00
7.23	2.00	0.00	6.39	0.02	0.00	7.25	2.00	0.00	6.38	0.02	0.00
7.27	2.00	0.00	6.37	0.02	0.00	7.29	2.00	0.00	6.36	0.02	0.00
7.31	2.00	0.00	6.35	0.02	0.00	7.33	2.00	0.00	6.34	0.02	0.00
7.35	2.00	0.00	6.33	0.02	0.00	7.37	2.00	0.00	6.32	0.02	0.00
7.39	2.00	0.00	6.31	0.02	0.00	7.41	2.00	0.00	6.30	0.02	0.00
7.43	2.00	0.00	6.29	0.02	0.00	7.45	2.00	0.00	6.28	0.02	0.00
7.47	2.00	0.00	6.27	0.02	0.00	7.49	2.00	0.00	6.26	0.02	0.00
7.51	2.00	0.00	6.25	0.02	0.00	7.53	2.00	0.00	6.24	0.02	0.00
7.55	2.00	0.00	6.23	0.02	0.00	7.57	2.00	0.00	6.22	0.02	0.00
7.59	2.00	0.00	6.21	0.02	0.00	7.61	2.00	0.00	6.20	0.02	0.00
7.63	2.00	0.00	6.19	0.02	0.00	7.65	2.00	0.00	6.18	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
7.67	2.00	0.00	6.17	0.02	0.00	7.69	2.00	0.00	6.16	0.02	0.00
7.71	2.00	0.00	6.15	0.02	0.00	7.73	2.00	0.00	6.14	0.02	0.00
7.75	2.00	0.00	6.13	0.02	0.00	7.77	2.00	0.00	6.12	0.02	0.00
7.79	2.00	0.00	6.11	0.02	0.00	7.81	2.00	0.00	6.10	0.02	0.00
7.83	2.00	0.00	6.09	0.02	0.00	7.84	2.00	0.00	6.08	0.01	0.00
7.86	2.00	0.00	6.07	0.02	0.00	7.88	2.00	0.00	6.06	0.02	0.00
7.90	2.00	0.00	6.05	0.02	0.00	7.92	2.00	0.00	6.04	0.02	0.00
7.94	2.00	0.00	6.03	0.02	0.00	7.96	2.00	0.00	6.02	0.02	0.00
7.98	2.00	0.00	6.01	0.02	0.00	8.00	2.00	0.00	6.00	0.02	0.00
8.02	2.00	0.00	5.99	0.02	0.00	8.04	2.00	0.00	5.98	0.02	0.00
8.06	2.00	0.00	5.97	0.02	0.00	8.08	2.00	0.00	5.96	0.02	0.00
8.10	2.00	0.00	5.95	0.02	0.00	8.12	2.00	0.00	5.94	0.02	0.00
8.14	2.00	0.00	5.93	0.02	0.00	8.16	2.00	0.00	5.92	0.02	0.00
8.18	2.00	0.00	5.91	0.02	0.00	8.20	2.00	0.00	5.90	0.02	0.00
8.22	2.00	0.00	5.89	0.02	0.00	8.24	2.00	0.00	5.88	0.02	0.00
8.26	2.00	0.00	5.87	0.02	0.00	8.28	2.00	0.00	5.86	0.02	0.00
8.30	2.00	0.00	5.85	0.02	0.00	8.32	2.00	0.00	5.84	0.02	0.00
8.34	2.00	0.00	5.83	0.02	0.00	8.36	2.00	0.00	5.82	0.02	0.00
8.38	2.00	0.00	5.81	0.02	0.00	8.40	2.00	0.00	5.80	0.02	0.00
8.42	2.00	0.00	5.79	0.02	0.00	8.44	2.00	0.00	5.78	0.02	0.00
8.46	2.00	0.00	5.77	0.02	0.00	8.48	2.00	0.00	5.76	0.02	0.00
8.50	2.00	0.00	5.75	0.02	0.00	8.52	2.00	0.00	5.74	0.02	0.00
8.54	2.00	0.00	5.73	0.02	0.00	8.56	2.00	0.00	5.72	0.02	0.00
8.58	2.00	0.00	5.71	0.02	0.00	8.60	2.00	0.00	5.70	0.02	0.00
8.62	2.00	0.00	5.69	0.02	0.00	8.63	2.00	0.00	5.68	0.01	0.00
8.65	2.00	0.00	5.68	0.02	0.00	8.67	2.00	0.00	5.67	0.02	0.00
8.69	2.00	0.00	5.66	0.02	0.00	8.71	2.00	0.00	5.64	0.02	0.00
8.73	2.00	0.00	5.64	0.02	0.00	8.75	2.00	0.00	5.63	0.02	0.00
8.77	2.00	0.00	5.62	0.02	0.00	8.79	2.00	0.00	5.61	0.02	0.00
8.81	2.00	0.00	5.60	0.02	0.00	8.83	2.00	0.00	5.59	0.02	0.00
8.85	2.00	0.00	5.58	0.02	0.00	8.87	2.00	0.00	5.57	0.02	0.00
8.89	2.00	0.00	5.56	0.02	0.00	8.91	2.00	0.00	5.55	0.02	0.00
8.93	2.00	0.00	5.54	0.02	0.00	8.95	2.00	0.00	5.53	0.02	0.00
8.97	2.00	0.00	5.52	0.02	0.00	8.99	2.00	0.00	5.51	0.02	0.00
9.01	2.00	0.00	5.50	0.02	0.00	9.03	2.00	0.00	5.49	0.02	0.00
9.05	2.00	0.00	5.47	0.02	0.00	9.07	2.00	0.00	5.47	0.02	0.00
9.09	2.00	0.00	5.46	0.02	0.00	9.11	2.00	0.00	5.45	0.02	0.00
9.13	2.00	0.00	5.43	0.02	0.00	9.15	2.00	0.00	5.43	0.02	0.00
9.17	2.00	0.00	5.42	0.02	0.00	9.19	2.00	0.00	5.41	0.02	0.00
9.21	2.00	0.00	5.39	0.02	0.00	9.23	2.00	0.00	5.39	0.02	0.00
9.25	2.00	0.00	5.38	0.02	0.00	9.27	2.00	0.00	5.37	0.02	0.00
9.29	2.00	0.00	5.36	0.02	0.00	9.30	2.00	0.00	5.35	0.01	0.00
9.32	2.00	0.00	5.34	0.02	0.00	9.34	2.00	0.00	5.33	0.02	0.00
9.36	2.00	0.00	5.32	0.02	0.00	9.38	2.00	0.00	5.31	0.02	0.00
9.40	2.00	0.00	5.30	0.02	0.00	9.42	2.00	0.00	5.29	0.02	0.00
9.44	2.00	0.00	5.28	0.02	0.00	9.46	2.00	0.00	5.27	0.02	0.00
9.48	2.00	0.00	5.26	0.02	0.00	9.50	2.00	0.00	5.25	0.02	0.00
9.52	2.00	0.00	5.24	0.02	0.00	9.54	2.00	0.00	5.23	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
9.56	2.00	0.00	5.22	0.02	0.00	9.58	2.00	0.00	5.21	0.02	0.00
9.60	2.00	0.00	5.20	0.02	0.00	9.62	2.00	0.00	5.19	0.02	0.00
9.64	2.00	0.00	5.18	0.02	0.00	9.66	2.00	0.00	5.17	0.02	0.00
9.68	2.00	0.00	5.16	0.02	0.00	9.70	2.00	0.00	5.15	0.02	0.00
9.72	2.00	0.00	5.14	0.02	0.00	9.74	2.00	0.00	5.13	0.02	0.00
9.76	2.00	0.00	5.12	0.02	0.00	9.78	2.00	0.00	5.11	0.02	0.00
9.80	2.00	0.00	5.10	0.02	0.00	9.82	2.00	0.00	5.09	0.02	0.00
9.84	2.00	0.00	5.08	0.02	0.00	9.86	2.00	0.00	5.07	0.02	0.00
9.88	2.00	0.00	5.06	0.02	0.00	9.89	2.00	0.00	5.06	0.01	0.00
9.91	2.00	0.00	5.05	0.02	0.00	9.93	2.00	0.00	5.04	0.02	0.00
9.95	2.00	0.00	5.03	0.02	0.00	9.97	2.00	0.00	5.02	0.02	0.00
9.99	2.00	0.00	5.01	0.02	0.00	10.01	2.00	0.00	5.00	0.02	0.00
10.03	2.00	0.00	4.99	0.02	0.00	10.05	2.00	0.00	4.97	0.02	0.00
10.07	2.00	0.00	4.97	0.02	0.00	10.09	2.00	0.00	4.96	0.02	0.00
10.11	2.00	0.00	4.95	0.02	0.00	10.13	2.00	0.00	4.93	0.02	0.00
10.15	2.00	0.00	4.93	0.02	0.00	10.17	2.00	0.00	4.92	0.02	0.00
10.19	2.00	0.00	4.91	0.02	0.00	10.21	2.00	0.00	4.89	0.02	0.00
10.23	2.00	0.00	4.89	0.02	0.00	10.25	2.00	0.00	4.88	0.02	0.00
10.27	2.00	0.00	4.87	0.02	0.00	10.29	2.00	0.00	4.86	0.02	0.00
10.31	2.00	0.00	4.85	0.02	0.00	10.33	2.00	0.00	4.84	0.02	0.00
10.35	2.00	0.00	4.83	0.02	0.00	10.37	2.00	0.00	4.82	0.02	0.00
10.38	2.00	0.00	4.81	0.01	0.00	10.40	2.00	0.00	4.80	0.02	0.00
10.42	2.00	0.00	4.79	0.02	0.00	10.44	2.00	0.00	4.78	0.02	0.00
10.46	2.00	0.00	4.77	0.02	0.00	10.48	2.00	0.00	4.76	0.02	0.00
10.50	2.00	0.00	4.75	0.02	0.00	10.52	2.00	0.00	4.74	0.02	0.00
10.54	2.00	0.00	4.73	0.02	0.00	10.56	2.00	0.00	4.72	0.02	0.00
10.58	2.00	0.00	4.71	0.02	0.00	10.60	2.00	0.00	4.70	0.02	0.00
10.62	2.00	0.00	4.69	0.02	0.00	10.63	2.00	0.00	4.68	0.01	0.00
10.65	2.00	0.00	4.68	0.02	0.00	10.67	2.00	0.00	4.67	0.02	0.00
10.69	2.00	0.00	4.66	0.02	0.00	10.71	2.00	0.00	4.64	0.02	0.00
10.73	2.00	0.00	4.64	0.02	0.00	10.75	2.00	0.00	4.63	0.02	0.00
10.77	2.00	0.00	4.62	0.02	0.00	10.79	2.00	0.00	4.61	0.02	0.00
10.81	2.00	0.00	4.60	0.02	0.00	10.83	2.00	0.00	4.59	0.02	0.00
10.85	2.00	0.00	4.58	0.02	0.00	10.87	2.00	0.00	4.57	0.02	0.00
10.88	2.00	0.00	4.56	0.01	0.00	10.90	2.00	0.00	4.55	0.02	0.00
10.92	2.00	0.00	4.54	0.02	0.00	10.94	2.00	0.00	4.53	0.02	0.00
10.96	2.00	0.00	4.52	0.02	0.00	10.98	2.00	0.00	4.51	0.02	0.00
11.00	2.00	0.00	4.50	0.02	0.00	11.02	2.00	0.00	4.49	0.02	0.00
11.04	2.00	0.00	4.48	0.02	0.00	11.06	2.00	0.00	4.47	0.02	0.00
11.08	2.00	0.00	4.46	0.02	0.00	11.09	2.00	0.00	4.46	0.01	0.00
11.11	2.00	0.00	4.45	0.02	0.00	11.13	2.00	0.00	4.43	0.02	0.00
11.15	2.00	0.00	4.43	0.02	0.00	11.17	2.00	0.00	4.42	0.02	0.00
11.19	2.00	0.00	4.41	0.02	0.00	11.21	2.00	0.00	4.39	0.02	0.00
11.23	2.00	0.00	4.39	0.02	0.00	11.25	2.00	0.00	4.38	0.02	0.00
11.26	2.00	0.00	4.37	0.01	0.00	11.28	2.00	0.00	4.36	0.02	0.00
11.30	2.00	0.00	4.35	0.02	0.00	11.32	2.00	0.00	4.34	0.02	0.00
11.34	2.00	0.00	4.33	0.02	0.00	11.36	2.00	0.00	4.32	0.02	0.00
11.38	2.00	0.00	4.31	0.02	0.00	11.40	2.00	0.00	4.30	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
11.42	2.00	0.00	4.29	0.02	0.00	11.43	2.00	0.00	4.29	0.01	0.00
11.45	2.00	0.00	4.28	0.02	0.00	11.47	2.00	0.00	4.27	0.02	0.00
11.49	2.00	0.00	4.26	0.02	0.00	11.51	2.00	0.00	4.25	0.02	0.00
11.53	2.00	0.00	4.24	0.02	0.00	11.55	2.00	0.00	4.22	0.02	0.00
11.57	2.00	0.00	4.22	0.02	0.00	11.59	2.00	0.00	4.21	0.02	0.00
11.60	2.00	0.00	4.20	0.01	0.00	11.62	2.00	0.00	4.19	0.02	0.00
11.64	2.00	0.00	4.18	0.02	0.00	11.66	2.00	0.00	4.17	0.02	0.00
11.68	2.00	0.00	4.16	0.02	0.00	11.70	2.00	0.00	4.15	0.02	0.00
11.72	2.00	0.00	4.14	0.02	0.00	11.74	2.00	0.00	4.13	0.02	0.00
11.76	2.00	0.00	4.12	0.02	0.00	11.78	2.00	0.00	4.11	0.02	0.00
11.80	2.00	0.00	4.10	0.02	0.00	11.82	2.00	0.00	4.09	0.02	0.00
11.84	2.00	0.00	4.08	0.02	0.00	11.85	2.00	0.00	4.08	0.01	0.00
11.87	2.00	0.00	4.07	0.02	0.00	11.89	2.00	0.00	4.06	0.02	0.00
11.91	2.00	0.00	4.05	0.02	0.00	11.93	2.00	0.00	4.04	0.02	0.00
11.95	2.00	0.00	4.03	0.02	0.00	11.97	2.00	0.00	4.02	0.02	0.00
11.99	2.00	0.00	4.01	0.02	0.00	12.01	2.00	0.00	4.00	0.02	0.00
12.03	2.00	0.00	3.99	0.02	0.00	12.04	2.00	0.00	3.98	0.01	0.00
12.06	2.00	0.00	3.97	0.02	0.00	12.08	2.00	0.00	3.96	0.02	0.00
12.10	2.00	0.00	3.95	0.02	0.00	12.12	2.00	0.00	3.94	0.02	0.00
12.14	2.00	0.00	3.93	0.02	0.00	12.16	2.00	0.00	3.92	0.02	0.00
12.18	2.00	0.00	3.91	0.02	0.00	12.20	2.00	0.00	3.90	0.02	0.00
12.22	2.00	0.00	3.89	0.02	0.00	12.23	2.00	0.00	3.89	0.01	0.00
12.25	2.00	0.00	3.88	0.02	0.00	12.27	2.00	0.00	3.87	0.02	0.00
12.29	2.00	0.00	3.86	0.02	0.00	12.31	2.00	0.00	3.85	0.02	0.00
12.33	2.00	0.00	3.84	0.02	0.00	12.35	2.00	0.00	3.83	0.02	0.00
12.37	2.00	0.00	3.82	0.02	0.00	12.39	2.00	0.00	3.81	0.02	0.00
12.40	2.00	0.00	3.80	0.01	0.00	12.42	2.00	0.00	3.79	0.02	0.00
12.44	2.00	0.00	3.78	0.02	0.00	12.46	2.00	0.00	3.77	0.02	0.00
12.48	2.00	0.00	3.76	0.02	0.00	12.50	2.00	0.00	3.75	0.02	0.00
12.52	2.00	0.00	3.74	0.02	0.00	12.54	2.00	0.00	3.73	0.02	0.00
12.55	2.00	0.00	3.73	0.01	0.00	12.57	2.00	0.00	3.72	0.02	0.00
12.59	2.00	0.00	3.71	0.02	0.00	12.61	2.00	0.00	3.70	0.02	0.00
12.63	2.00	0.00	3.69	0.02	0.00	12.65	2.00	0.00	3.68	0.02	0.00
12.67	2.00	0.00	3.67	0.02	0.00	12.69	2.00	0.00	3.66	0.02	0.00
12.70	2.00	0.00	3.65	0.01	0.00	12.72	2.00	0.00	3.64	0.02	0.00
12.74	2.00	0.00	3.63	0.02	0.00	12.76	2.00	0.00	3.62	0.02	0.00
12.78	2.00	0.00	3.61	0.02	0.00	12.80	2.00	0.00	3.60	0.02	0.00
12.82	2.00	0.00	3.59	0.02	0.00	12.84	2.00	0.00	3.58	0.02	0.00
12.86	2.00	0.00	3.57	0.02	0.00	12.87	2.00	0.00	3.57	0.01	0.00
12.89	2.00	0.00	3.56	0.02	0.00	12.91	2.00	0.00	3.55	0.02	0.00
12.93	2.00	0.00	3.54	0.02	0.00	12.95	2.00	0.00	3.53	0.02	0.00
12.97	2.00	0.00	3.52	0.02	0.00	12.99	2.00	0.00	3.51	0.02	0.00
13.01	2.00	0.00	3.50	0.02	0.00	13.03	2.00	0.00	3.49	0.02	0.00
13.05	2.00	0.00	3.48	0.02	0.00	13.06	2.00	0.00	3.47	0.01	0.00
13.08	2.00	0.00	3.46	0.02	0.00	13.10	2.00	0.00	3.45	0.02	0.00
13.12	2.00	0.00	3.44	0.02	0.00	13.14	2.00	0.00	3.43	0.02	0.00
13.16	2.00	0.00	3.42	0.02	0.00	13.18	2.00	0.00	3.41	0.02	0.00
13.20	2.00	0.00	3.40	0.02	0.00	13.21	2.00	0.00	3.40	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
13.23	2.00	0.00	3.39	0.02	0.00	13.25	2.00	0.00	3.38	0.02	0.00
13.27	2.00	0.00	3.37	0.02	0.00	13.29	2.00	0.00	3.36	0.02	0.00
13.31	2.00	0.00	3.35	0.02	0.00	13.33	2.00	0.00	3.34	0.02	0.00
13.34	2.00	0.00	3.33	0.01	0.00	13.36	2.00	0.00	3.32	0.02	0.00
13.38	2.00	0.00	3.31	0.02	0.00	13.40	2.00	0.00	3.30	0.02	0.00
13.42	2.00	0.00	3.29	0.02	0.00	13.44	2.00	0.00	3.28	0.02	0.00
13.46	2.00	0.00	3.27	0.02	0.00	13.47	2.00	0.00	3.27	0.01	0.00
13.49	2.00	0.00	3.26	0.02	0.00	13.51	2.00	0.00	3.25	0.02	0.00
13.53	2.00	0.00	3.24	0.02	0.00	13.55	2.00	0.00	3.23	0.02	0.00
13.57	2.00	0.00	3.22	0.02	0.00	13.59	2.00	0.00	3.21	0.02	0.00
13.61	2.00	0.00	3.20	0.02	0.00	13.62	2.00	0.00	3.19	0.01	0.00
13.64	2.00	0.00	3.18	0.02	0.00	13.66	2.00	0.00	3.17	0.02	0.00
13.68	2.00	0.00	3.16	0.02	0.00	13.70	2.00	0.00	3.15	0.02	0.00
13.72	2.00	0.00	3.14	0.02	0.00	13.74	2.00	0.00	3.13	0.02	0.00
13.75	2.00	0.00	3.13	0.01	0.00	13.77	2.00	0.00	3.12	0.02	0.00
13.79	2.00	0.00	3.11	0.02	0.00	13.81	2.00	0.00	3.10	0.02	0.00
13.83	2.00	0.00	3.09	0.02	0.00	13.85	2.00	0.00	3.08	0.02	0.00
13.87	2.00	0.00	3.07	0.02	0.00	13.88	2.00	0.00	3.06	0.01	0.00
13.90	2.00	0.00	3.05	0.02	0.00	13.92	2.00	0.00	3.04	0.02	0.00
13.94	2.00	0.00	3.03	0.02	0.00	13.96	2.00	0.00	3.02	0.02	0.00
13.98	2.00	0.00	3.01	0.02	0.00	13.99	2.00	0.00	3.01	0.01	0.00
14.01	2.00	0.00	3.00	0.02	0.00	14.03	2.00	0.00	2.99	0.02	0.00
14.05	2.00	0.00	2.98	0.02	0.00	14.07	2.00	0.00	2.97	0.02	0.00
14.09	2.00	0.00	2.96	0.02	0.00	14.10	2.00	0.00	2.95	0.01	0.00
14.12	2.00	0.00	2.94	0.02	0.00	14.14	2.00	0.00	2.93	0.02	0.00
14.16	2.00	0.00	2.92	0.02	0.00	14.18	2.00	0.00	2.91	0.02	0.00
14.20	2.00	0.00	2.90	0.02	0.00	14.22	2.00	0.00	2.89	0.02	0.00
14.24	2.00	0.00	2.88	0.02	0.00	14.25	2.00	0.00	2.88	0.01	0.00
14.27	2.00	0.00	2.87	0.02	0.00	14.29	2.00	0.00	2.86	0.02	0.00
14.31	2.00	0.00	2.85	0.02	0.00	14.32	2.00	0.00	2.84	0.01	0.00
14.34	2.00	0.00	2.83	0.02	0.00	14.36	2.00	0.00	2.82	0.02	0.00
14.38	2.00	0.00	2.81	0.02	0.00	14.40	2.00	0.00	2.80	0.02	0.00
14.42	2.00	0.00	2.79	0.02	0.00	14.43	2.00	0.00	2.79	0.01	0.00
14.45	2.00	0.00	2.78	0.02	0.00	14.47	2.00	0.00	2.77	0.02	0.00
14.49	2.00	0.00	2.76	0.02	0.00	14.51	2.00	0.00	2.75	0.02	0.00
14.53	2.00	0.00	2.74	0.02	0.00	14.55	2.00	0.00	2.73	0.02	0.00
14.56	2.00	0.00	2.72	0.01	0.00	14.58	2.00	0.00	2.71	0.02	0.00
14.60	2.00	0.00	2.70	0.02	0.00	14.62	2.00	0.00	2.69	0.02	0.00
14.64	2.00	0.00	2.68	0.02	0.00	14.66	2.00	0.00	2.67	0.02	0.00
14.68	2.00	0.00	2.66	0.02	0.00	14.69	2.00	0.00	2.65	0.01	0.00
14.71	2.00	0.00	2.65	0.02	0.00	14.73	2.00	0.00	2.63	0.02	0.00
14.75	2.00	0.00	2.63	0.02	0.00	14.77	2.00	0.00	2.62	0.02	0.00
14.79	2.00	0.00	2.61	0.02	0.00	14.80	2.00	0.00	2.60	0.01	0.00
14.82	2.00	0.00	2.59	0.02	0.00	14.84	2.00	0.00	2.58	0.02	0.00
14.86	2.00	0.00	2.57	0.02	0.00	14.88	2.00	0.00	2.56	0.02	0.00
14.90	2.00	0.00	2.55	0.02	0.00	14.91	2.00	0.00	2.55	0.01	0.00
14.93	2.00	0.00	2.54	0.02	0.00	14.95	2.00	0.00	2.53	0.02	0.00
14.97	2.00	0.00	2.52	0.02	0.00	14.99	2.00	0.00	2.51	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
15.01	2.00	0.00	2.50	0.02	0.00	15.02	2.00	0.00	2.49	0.01	0.00
15.04	2.00	0.00	2.48	0.02	0.00	15.06	2.00	0.00	2.47	0.02	0.00
15.08	2.00	0.00	2.46	0.02	0.00	15.10	2.00	0.00	2.45	0.02	0.00
15.11	2.00	0.00	2.45	0.01	0.00	15.13	2.00	0.00	2.44	0.02	0.00
15.15	2.00	0.00	2.42	0.02	0.00	15.16	2.00	0.00	2.42	0.01	0.00
15.18	2.00	0.00	2.41	0.02	0.00	15.20	2.00	0.00	2.40	0.02	0.00
15.22	2.00	0.00	2.39	0.02	0.00	15.23	2.00	0.00	2.38	0.01	0.00
15.25	2.00	0.00	2.38	0.02	0.00	15.27	2.00	0.00	2.37	0.02	0.00
15.29	2.00	0.00	2.36	0.02	0.00	15.31	2.00	0.00	2.35	0.02	0.00
15.33	2.00	0.00	2.34	0.02	0.00	15.34	2.00	0.00	2.33	0.01	0.00
15.36	2.00	0.00	2.32	0.02	0.00	15.38	2.00	0.00	2.31	0.02	0.00
15.40	2.00	0.00	2.30	0.02	0.00	15.42	2.00	0.00	2.29	0.02	0.00
15.43	2.00	0.00	2.29	0.01	0.00	15.45	2.00	0.00	2.28	0.02	0.00
15.47	2.00	0.00	2.27	0.02	0.00	15.49	2.00	0.00	2.26	0.02	0.00
15.51	2.00	0.00	2.25	0.02	0.00	15.52	2.00	0.00	2.24	0.01	0.00
15.54	2.00	0.00	2.23	0.02	0.00	15.56	2.00	0.00	2.22	0.02	0.00
15.58	2.00	0.00	2.21	0.02	0.00	15.60	2.00	0.00	2.20	0.02	0.00
15.61	2.00	0.00	2.20	0.01	0.00	15.63	2.00	0.00	2.19	0.02	0.00
15.65	2.00	0.00	2.17	0.02	0.00	15.67	2.00	0.00	2.17	0.02	0.00
15.69	2.00	0.00	2.15	0.02	0.00	15.70	2.00	0.00	2.15	0.01	0.00
15.72	2.00	0.00	2.14	0.02	0.00	15.74	2.00	0.00	2.13	0.02	0.00
15.76	2.00	0.00	2.12	0.02	0.00	15.78	2.00	0.00	2.11	0.02	0.00
15.80	2.00	0.00	2.10	0.02	0.00	15.81	2.00	0.00	2.10	0.01	0.00
15.83	2.00	0.00	2.09	0.02	0.00	15.85	2.00	0.00	2.08	0.02	0.00
15.87	2.00	0.00	2.07	0.02	0.00	15.89	2.00	0.00	2.06	0.02	0.00
15.90	2.00	0.00	2.05	0.01	0.00	15.92	2.00	0.00	2.04	0.02	0.00
15.94	2.00	0.00	2.03	0.02	0.00	15.96	2.00	0.00	2.02	0.02	0.00
15.98	2.00	0.00	2.01	0.02	0.00	16.00	2.00	0.00	2.00	0.02	0.00
16.01	2.00	0.00	2.00	0.01	0.00	16.03	2.00	0.00	1.99	0.02	0.00
16.05	2.00	0.00	1.98	0.02	0.00	16.07	2.00	0.00	1.97	0.02	0.00
16.09	2.00	0.00	1.96	0.02	0.00	16.11	2.00	0.00	1.95	0.02	0.00
16.12	2.00	0.00	1.94	0.01	0.00	16.14	2.00	0.00	1.93	0.02	0.00
16.16	2.00	0.00	1.92	0.02	0.00	16.18	2.00	0.00	1.91	0.02	0.00
16.20	2.00	0.00	1.90	0.02	0.00	16.22	2.00	0.00	1.89	0.02	0.00
16.23	2.00	0.00	1.89	0.01	0.00	16.25	2.00	0.00	1.88	0.02	0.00
16.27	2.00	0.00	1.87	0.02	0.00	16.29	2.00	0.00	1.86	0.02	0.00
16.31	2.00	0.00	1.85	0.02	0.00	16.32	2.00	0.00	1.84	0.01	0.00
16.34	2.00	0.00	1.83	0.02	0.00	16.36	2.00	0.00	1.82	0.02	0.00
16.38	2.00	0.00	1.81	0.02	0.00	16.40	2.00	0.00	1.80	0.02	0.00
16.42	2.00	0.00	1.79	0.02	0.00	16.43	2.00	0.00	1.79	0.01	0.00
16.45	2.00	0.00	1.78	0.02	0.00	16.47	2.00	0.00	1.77	0.02	0.00
16.49	2.00	0.00	1.76	0.02	0.00	16.51	2.00	0.00	1.75	0.02	0.00
16.53	2.00	0.00	1.74	0.02	0.00	16.54	2.00	0.00	1.73	0.01	0.00
16.56	2.00	0.00	1.72	0.02	0.00	16.58	2.00	0.00	1.71	0.02	0.00
16.60	2.00	0.00	1.70	0.02	0.00	16.62	2.00	0.00	1.69	0.02	0.00
16.64	2.00	0.00	1.68	0.02	0.00	16.65	2.00	0.00	1.68	0.01	0.00
16.67	2.00	0.00	1.67	0.02	0.00	16.69	2.00	0.00	1.66	0.02	0.00
16.71	2.00	0.00	1.65	0.02	0.00	16.73	2.00	0.00	1.64	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
16.75	2.00	0.00	1.63	0.02	0.00	16.76	2.00	0.00	1.62	0.01	0.00
16.78	2.00	0.00	1.61	0.02	0.00	16.80	2.00	0.00	1.60	0.02	0.00
16.82	2.00	0.00	1.59	0.02	0.00	16.84	2.00	0.00	1.58	0.02	0.00
16.86	2.00	0.00	1.57	0.02	0.00	16.87	2.00	0.00	1.57	0.01	0.00
16.89	2.00	0.00	1.56	0.02	0.00	16.91	2.00	0.00	1.55	0.02	0.00
16.93	2.00	0.00	1.54	0.02	0.00	16.95	2.00	0.00	1.53	0.02	0.00
16.97	2.00	0.00	1.52	0.02	0.00	16.99	2.00	0.00	1.51	0.02	0.00
17.00	2.00	0.00	1.50	0.01	0.00	17.02	2.00	0.00	1.49	0.02	0.00
17.04	2.00	0.00	1.48	0.02	0.00	17.06	2.00	0.00	1.47	0.02	0.00
17.07	2.00	0.00	1.47	0.01	0.00	17.09	2.00	0.00	1.46	0.02	0.00
17.11	2.00	0.00	1.45	0.02	0.00	17.13	2.00	0.00	1.44	0.02	0.00
17.15	2.00	0.00	1.43	0.02	0.00	17.17	2.00	0.00	1.42	0.02	0.00
17.19	2.00	0.00	1.41	0.02	0.00	17.20	2.00	0.00	1.40	0.01	0.00
17.22	2.00	0.00	1.39	0.02	0.00	17.24	2.00	0.00	1.38	0.02	0.00
17.26	2.00	0.00	1.37	0.02	0.00	17.28	2.00	0.00	1.36	0.02	0.00
17.30	2.00	0.00	1.35	0.02	0.00	17.31	2.00	0.00	1.35	0.01	0.00
17.33	2.00	0.00	1.34	0.02	0.00	17.35	2.00	0.00	1.33	0.02	0.00
17.37	2.00	0.00	1.32	0.02	0.00	17.39	2.00	0.00	1.31	0.02	0.00
17.41	2.00	0.00	1.30	0.02	0.00	17.42	2.00	0.00	1.29	0.01	0.00
17.44	2.00	0.00	1.28	0.02	0.00	17.46	2.00	0.00	1.27	0.02	0.00
17.48	2.00	0.00	1.26	0.02	0.00	17.50	2.00	0.00	1.25	0.02	0.00
17.52	2.00	0.00	1.24	0.02	0.00	17.53	2.00	0.00	1.24	0.01	0.00
17.55	2.00	0.00	1.23	0.02	0.00	17.57	2.00	0.00	1.22	0.02	0.00
17.59	2.00	0.00	1.21	0.02	0.00	17.61	2.00	0.00	1.20	0.02	0.00
17.62	2.00	0.00	1.19	0.01	0.00	17.64	2.00	0.00	1.18	0.02	0.00
17.66	2.00	0.00	1.17	0.02	0.00	17.68	2.00	0.00	1.16	0.02	0.00
17.70	2.00	0.00	1.15	0.02	0.00	17.72	2.00	0.00	1.14	0.02	0.00
17.73	2.00	0.00	1.14	0.01	0.00	17.75	2.00	0.00	1.13	0.02	0.00
17.77	2.00	0.00	1.12	0.02	0.00	17.79	2.00	0.00	1.11	0.02	0.00
17.81	2.00	0.00	1.10	0.02	0.00	17.83	2.00	0.00	1.09	0.02	0.00
17.84	2.00	0.00	1.08	0.01	0.00	17.86	2.00	0.00	1.07	0.02	0.00
17.88	2.00	0.00	1.06	0.02	0.00	17.90	2.00	0.00	1.05	0.02	0.00
17.92	2.00	0.00	1.04	0.02	0.00	17.94	2.00	0.00	1.03	0.02	0.00
17.95	2.00	0.00	1.02	0.01	0.00	17.97	2.00	0.00	1.01	0.02	0.00
17.99	2.00	0.00	1.00	0.02	0.00	18.01	2.00	0.00	0.99	0.02	0.00
18.03	2.00	0.00	0.98	0.02	0.00	18.05	2.00	0.00	0.98	0.02	0.00
18.06	2.00	0.00	0.97	0.01	0.00	18.08	2.00	0.00	0.96	0.02	0.00
18.10	2.00	0.00	0.95	0.02	0.00	18.12	2.00	0.00	0.94	0.02	0.00
18.14	2.00	0.00	0.93	0.02	0.00	18.15	2.00	0.00	0.93	0.01	0.00
18.17	2.00	0.00	0.91	0.02	0.00	18.19	2.00	0.00	0.90	0.02	0.00
18.21	2.00	0.00	0.90	0.02	0.00	18.22	2.00	0.00	0.89	0.01	0.00
18.24	2.00	0.00	0.88	0.02	0.00	18.26	2.00	0.00	0.87	0.02	0.00
18.28	2.00	0.00	0.86	0.02	0.00	18.30	2.00	0.00	0.85	0.02	0.00
18.32	2.00	0.00	0.84	0.02	0.00	18.34	2.00	0.00	0.83	0.02	0.00
18.35	2.00	0.00	0.82	0.01	0.00	18.37	2.00	0.00	0.81	0.02	0.00
18.39	2.00	0.00	0.81	0.02	0.00	18.41	2.00	0.00	0.80	0.02	0.00
18.43	2.00	0.00	0.79	0.02	0.00	18.44	2.00	0.00	0.78	0.01	0.00
18.46	2.00	0.00	0.77	0.02	0.00	18.48	2.00	0.00	0.76	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
18.50	2.00	0.00	0.75	0.02	0.00	18.52	2.00	0.00	0.74	0.02	0.00
18.53	2.00	0.00	0.73	0.01	0.00	18.55	2.00	0.00	0.73	0.02	0.00
18.57	2.00	0.00	0.72	0.02	0.00	18.59	2.00	0.00	0.71	0.02	0.00
18.61	2.00	0.00	0.70	0.02	0.00	18.62	2.00	0.00	0.69	0.01	0.00
18.64	2.00	0.00	0.68	0.02	0.00	18.66	2.00	0.00	0.67	0.02	0.00
18.68	2.00	0.00	0.66	0.02	0.00	18.70	2.00	0.00	0.65	0.02	0.00
18.72	2.00	0.00	0.64	0.02	0.00	18.74	2.00	0.00	0.63	0.02	0.00
18.75	2.00	0.00	0.63	0.01	0.00	18.77	2.00	0.00	0.62	0.02	0.00
18.79	2.00	0.00	0.61	0.02	0.00	18.81	2.00	0.00	0.60	0.02	0.00
18.83	2.00	0.00	0.59	0.02	0.00	18.85	2.00	0.00	0.57	0.02	0.00

Overall liquefaction potential: 0.00

LPI = 0.00 - Liquefaction risk very low

LPI between 0.00 and 5.00 - Liquefaction risk low

LPI between 5.00 and 15.00 - Liquefaction risk high

LPI > 15.00 - Liquefaction risk very high

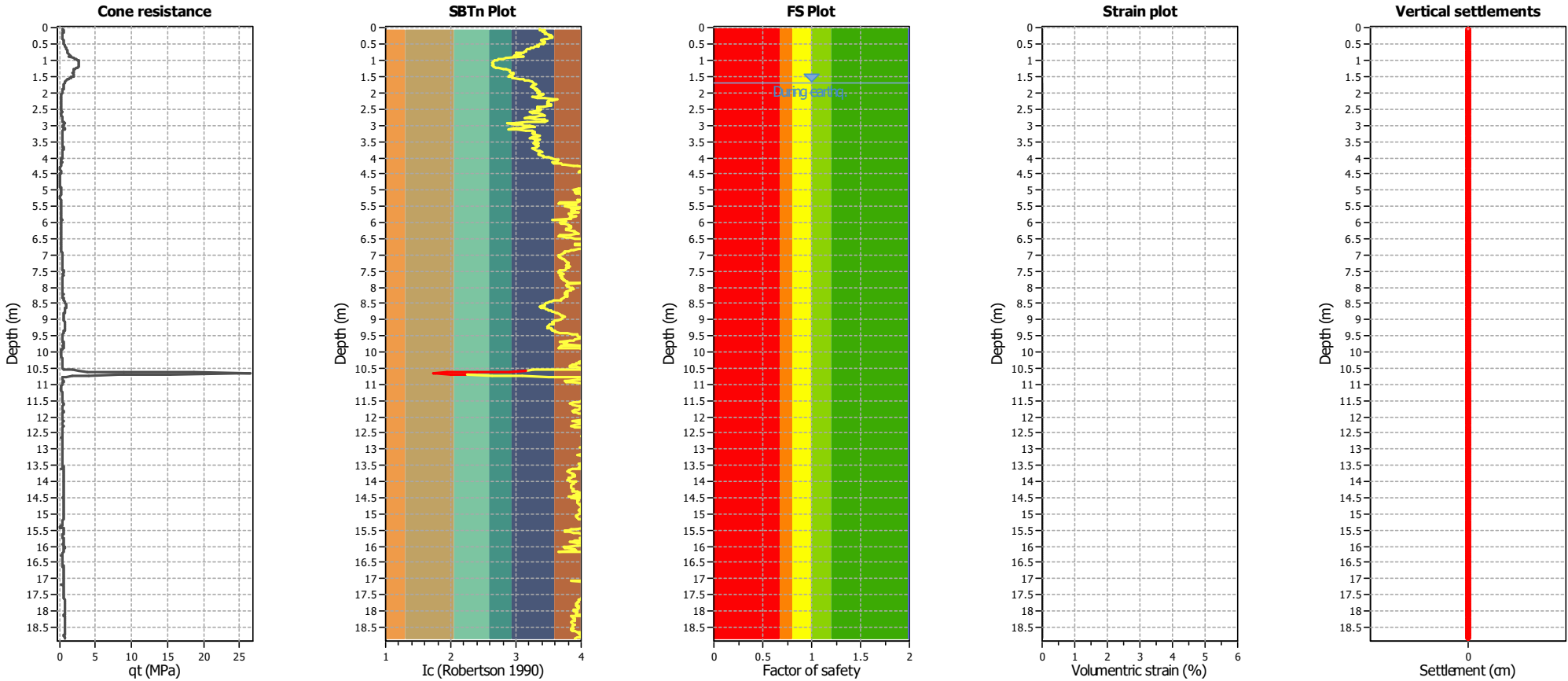
Abbreviations

FS: Calculated factor of safety for test point

F_L: 1 - FSw_z: Function value of the extend of soil liquefaction according to depthd_z: Layer thickness (m)

LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

- q_t: Total cone resistance (cone resistance q_c corrected for pore water effects)
- I_c: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain

LIQUEFACTION ANALYSIS REPORT

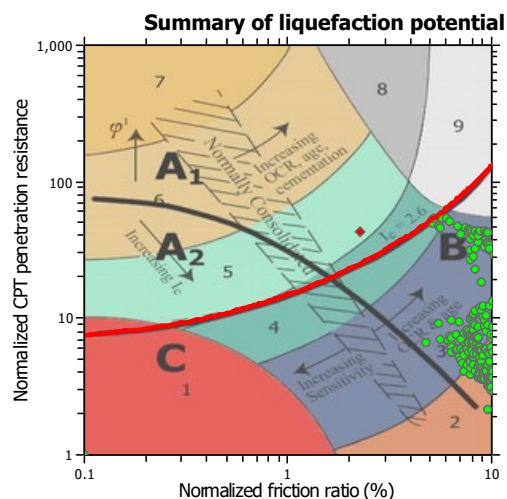
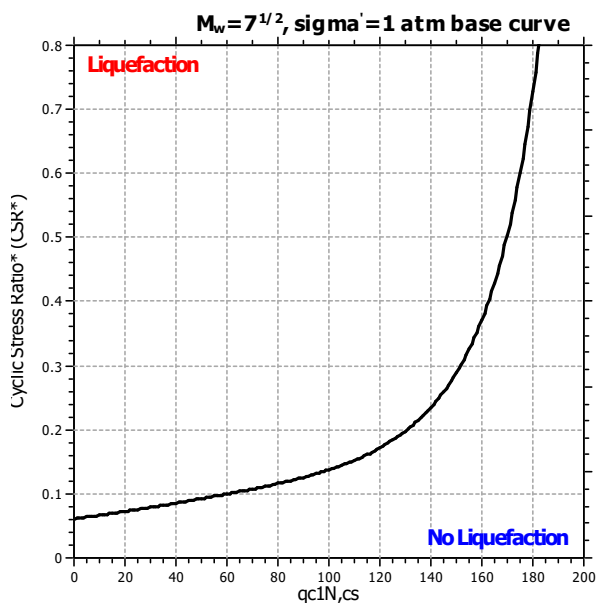
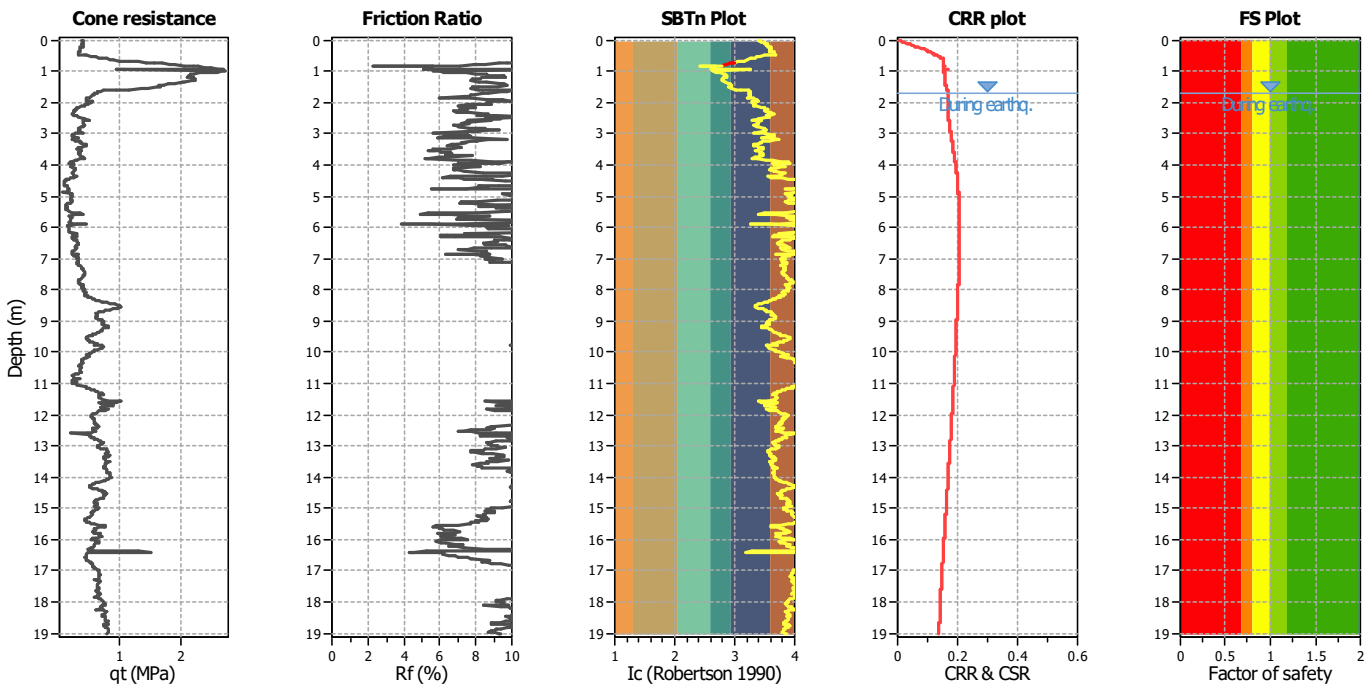
Project title : Piano aree produttive "Santa Caterina"

Location : Modena

CPT file : CPTu-2

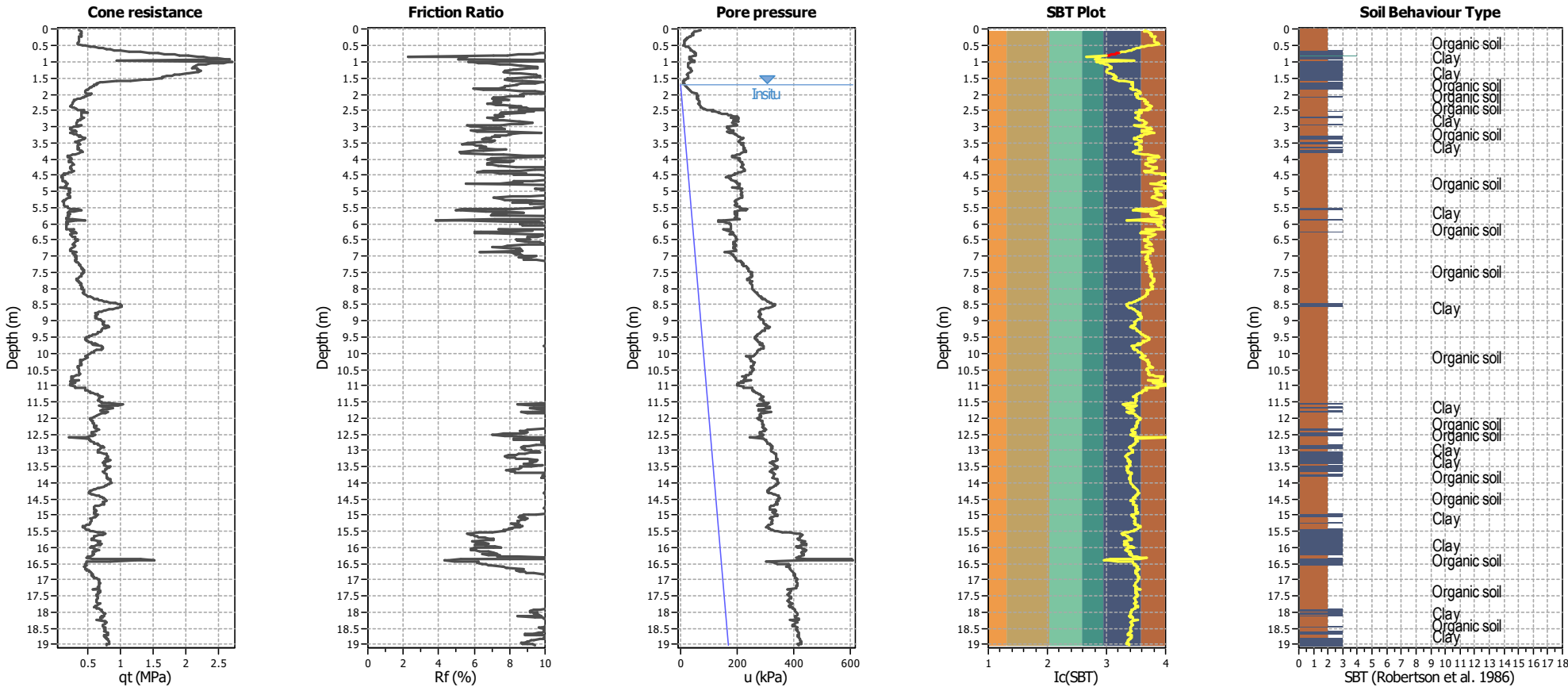
Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	1.70 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.70 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth applied:	No
Earthquake magnitude M_w :	5.98	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	Limit depth:	N/A
Peak ground acceleration:	0.25	Unit weight calculation:	Based on SBT	K_g applied:	No	MSF method:	Method based



Zone A₁: Cyclic liquefaction likely depending on size and duration of cyclic loading
 Zone A₂: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
 Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
 Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



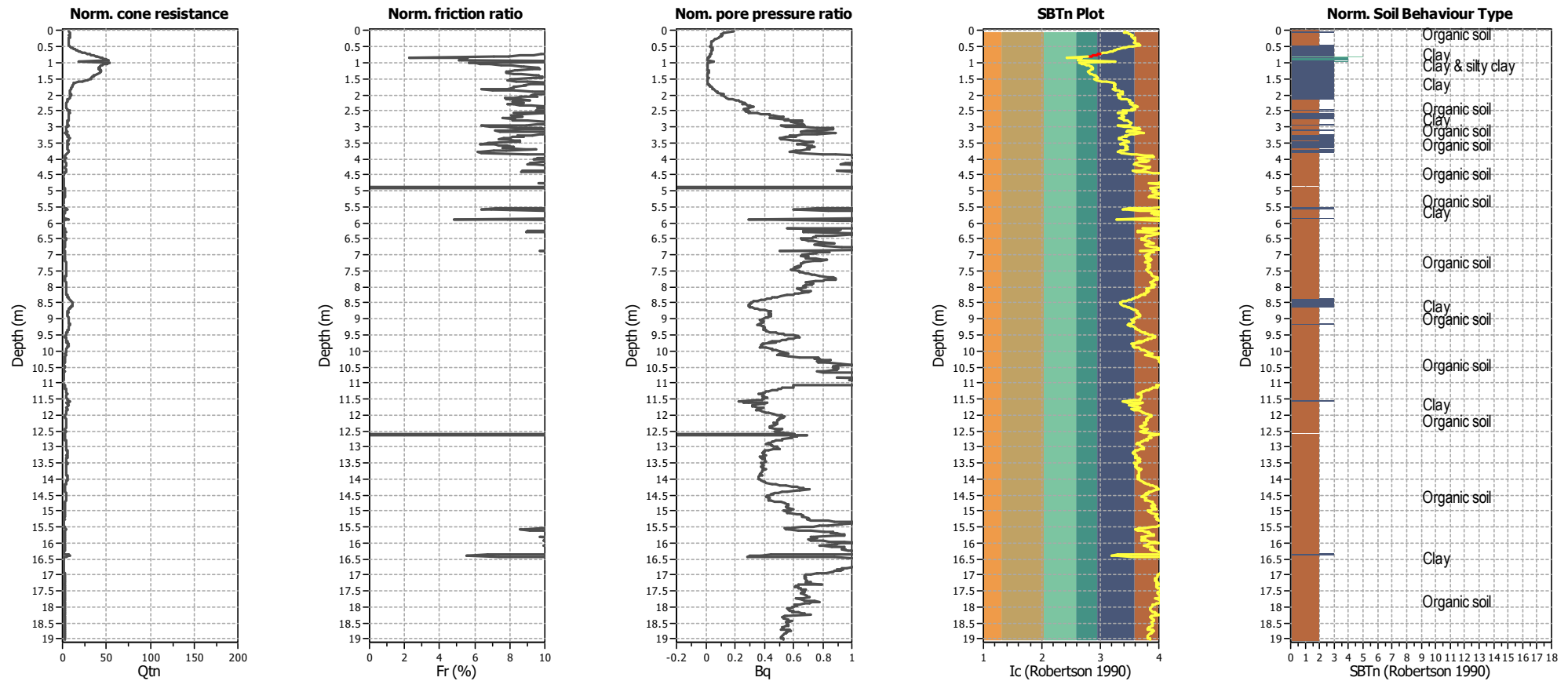
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.70 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K ₀ applied:	No
Earthquake magnitude M _w :	5.98	Unit weight calculation:	Based on SBT	Clay like beha vior applied:	Sands only
Peak ground acceleration:	0.25	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.70 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



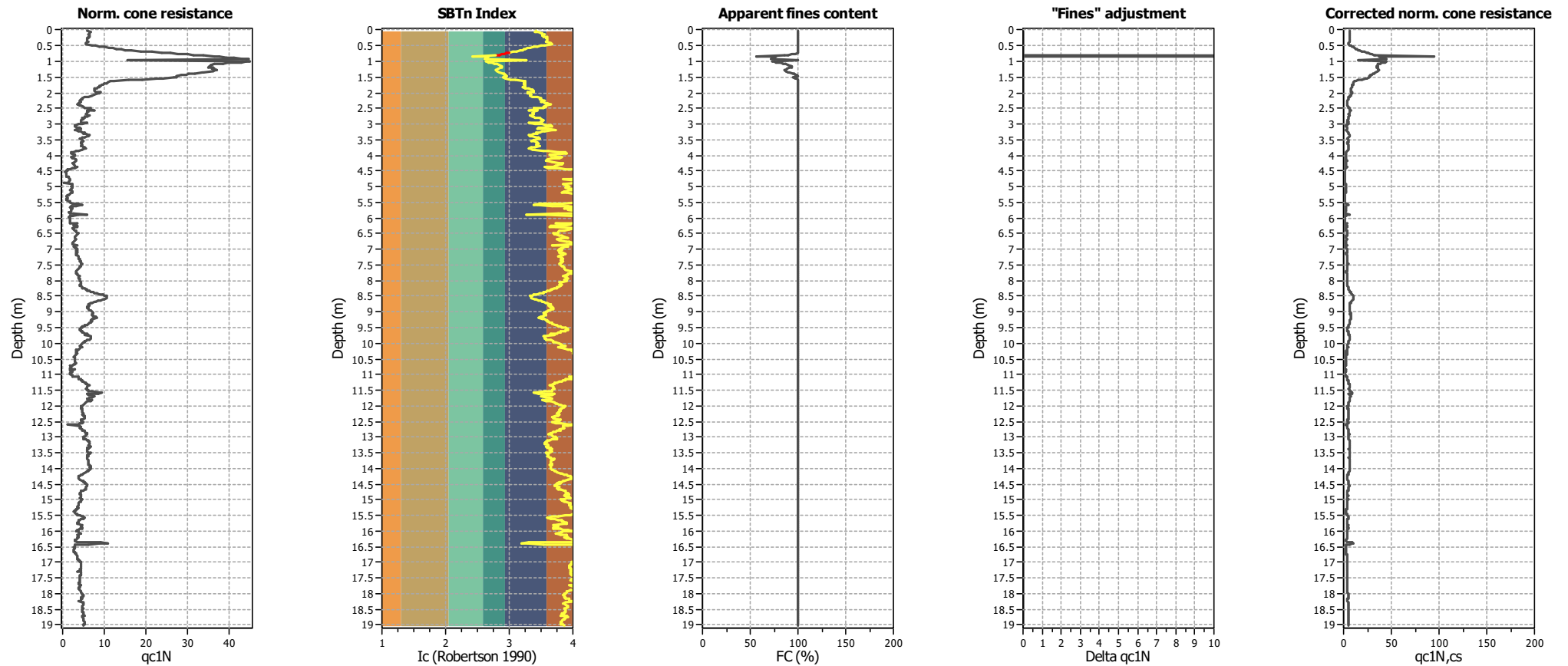
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.70 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K ₀ applied:	No
Earthquake magnitude M _w :	5.98	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.25	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.70 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

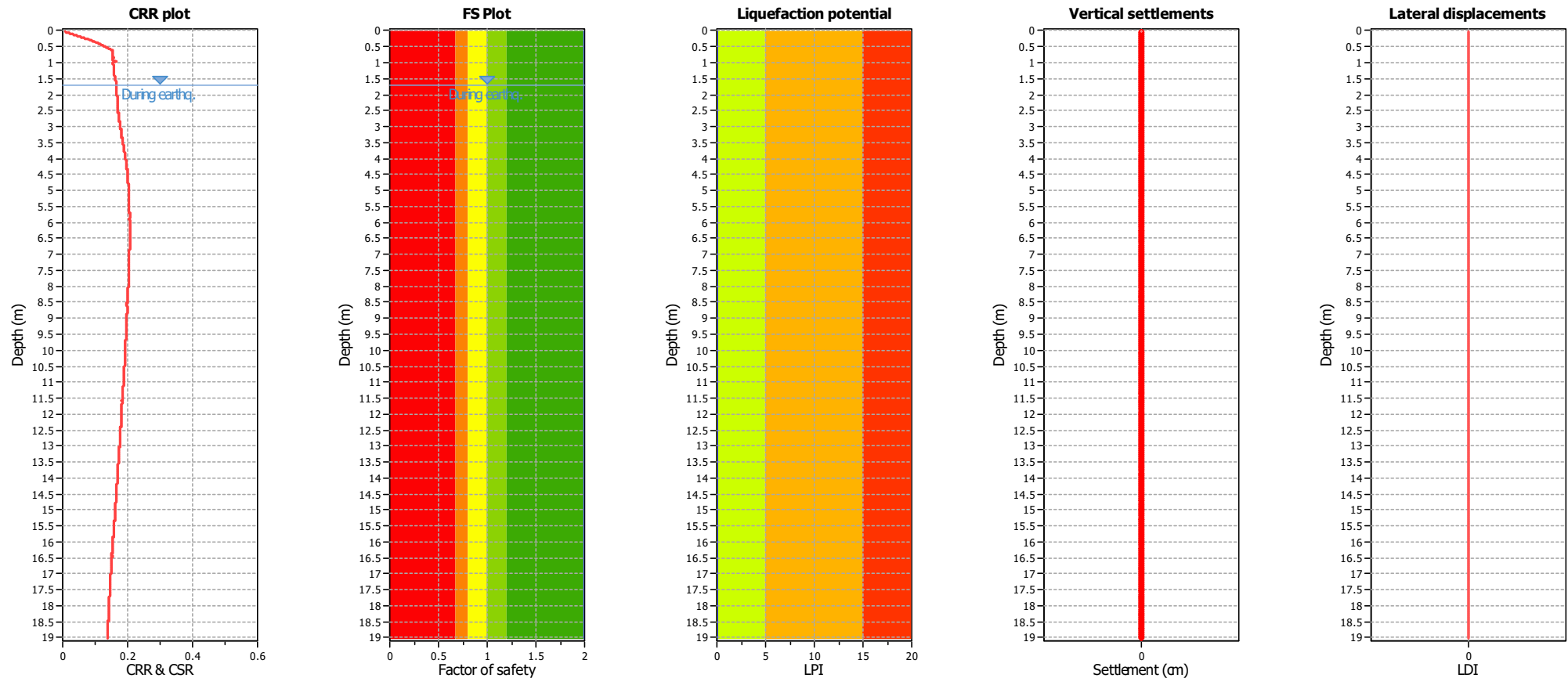
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.70 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	Yes
Points to test:	Based on I_c value	I_c cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w :	5.98	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.25	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.70 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.70 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_0 applied:	No
Earthquake magnitude M_w :	5.98	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.25	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.70 m	Fill height:	N/A	Limit depth:	N/A

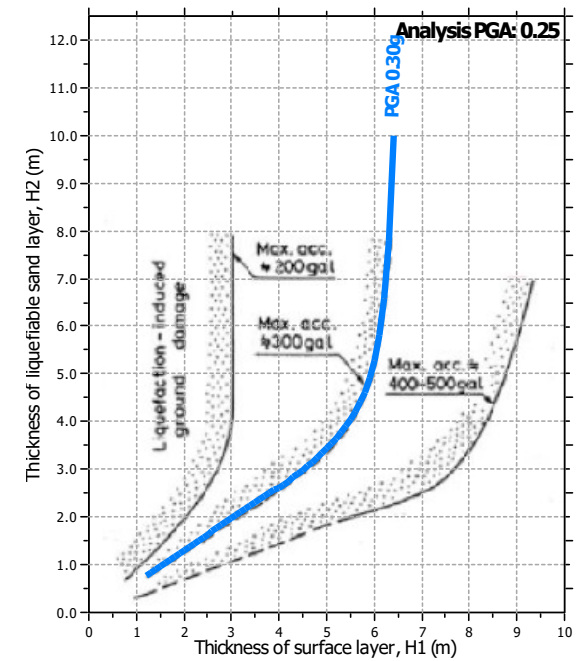
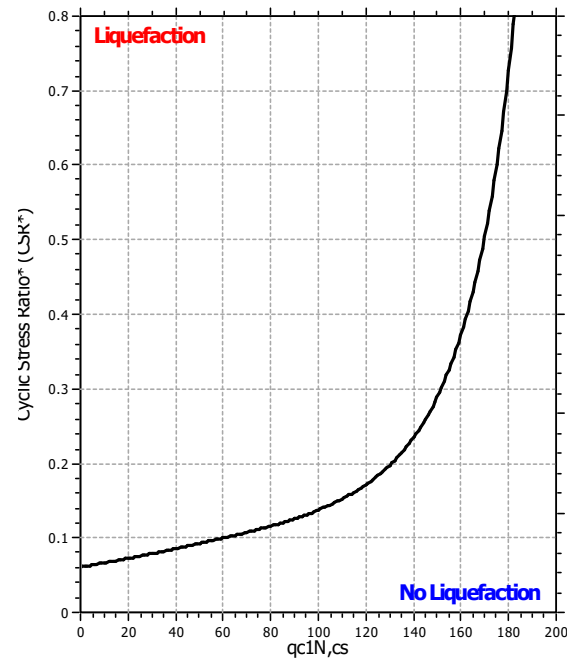
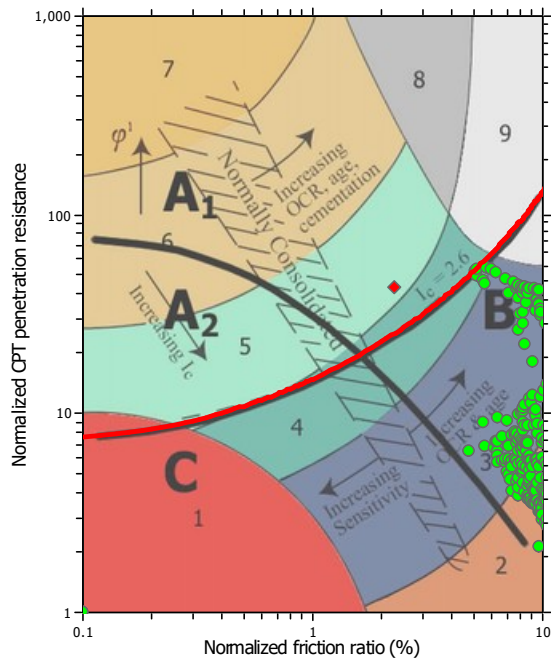
F.S. color scheme

	Almost certain it will liquefy
	Very likely to liquefy
	Liquefaction and no liq. are equally likely
	Unlike to liquefy
	Almost certain it will not liquefy

LPI color scheme

	Very high risk
	High risk
	Low risk

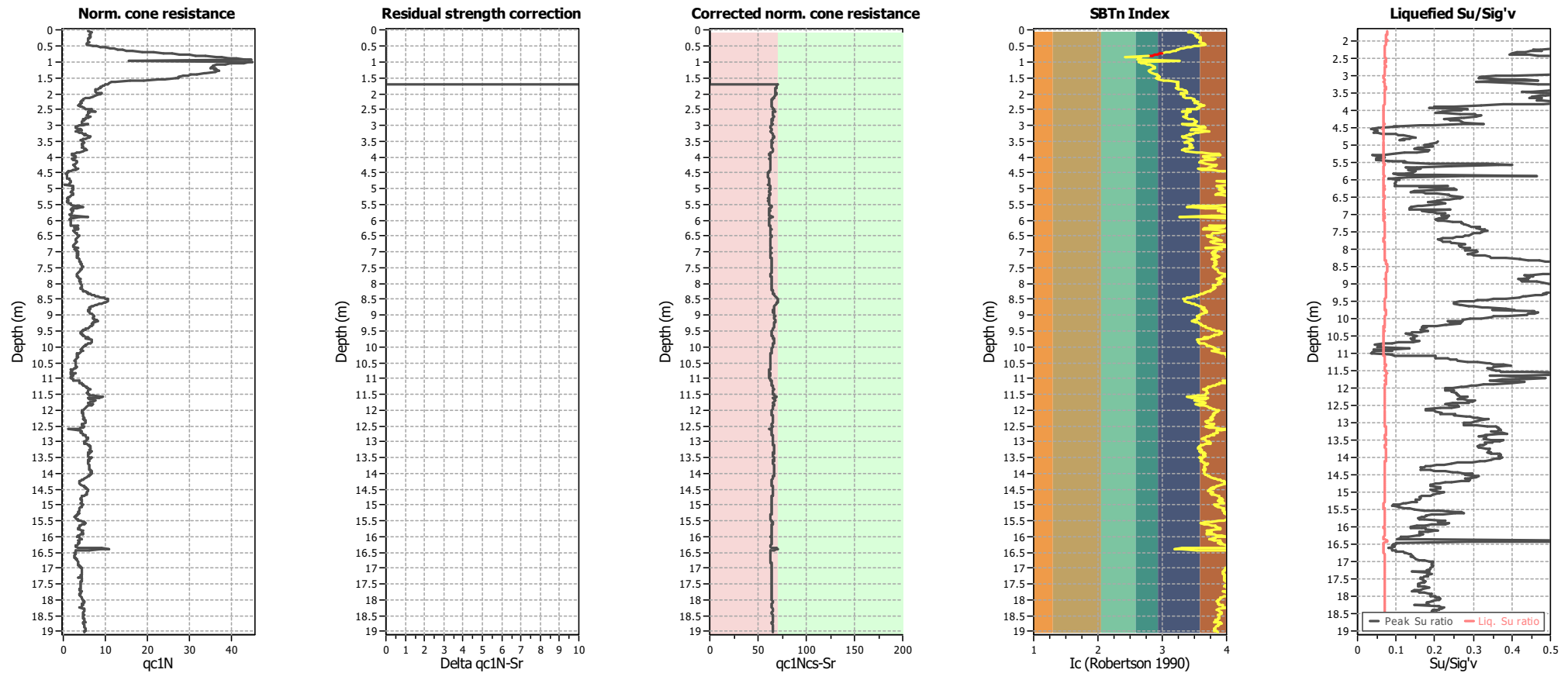
Liquefaction analysis summary plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.70 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition d detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _o applied:	No
Earthquake magnitude M _w :	5.98	Unit weight calculation:	Based on SBT	Clay like beha vior applied:	Sands only
Peak ground acceleration:	0.25	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.70 m	Fill height:	N/A	Limit depth:	N/A

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.70 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	Yes
Points to test:	Based on I_c value	I_c cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w :	5.98	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.25	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.70 m	Fill height:	N/A	Limit depth:	N/A

Transition layer No	Number of points	Depth	SBT _n number	SBT _n description
Transition layer 1	6	Start depth: 0.74 (m)	3	Clay
		End depth: 0.84 (m)	5	Silty sand & sandy silt

Start depth: Depth where the transition layer begins

End depth: Depth where the transition layer ends

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
0.02	2.00	0.00	9.99	0.02	0.00	0.04	2.00	0.00	9.98	0.02	0.00
0.06	2.00	0.00	9.97	0.02	0.00	0.08	2.00	0.00	9.96	0.02	0.00
0.10	2.00	0.00	9.95	0.02	0.00	0.12	2.00	0.00	9.94	0.02	0.00
0.14	2.00	0.00	9.93	0.02	0.00	0.16	2.00	0.00	9.92	0.02	0.00
0.18	2.00	0.00	9.91	0.02	0.00	0.20	2.00	0.00	9.90	0.02	0.00
0.22	2.00	0.00	9.89	0.02	0.00	0.24	2.00	0.00	9.88	0.02	0.00
0.26	2.00	0.00	9.87	0.02	0.00	0.28	2.00	0.00	9.86	0.02	0.00
0.30	2.00	0.00	9.85	0.02	0.00	0.32	2.00	0.00	9.84	0.02	0.00
0.34	2.00	0.00	9.83	0.02	0.00	0.36	2.00	0.00	9.82	0.02	0.00
0.38	2.00	0.00	9.81	0.02	0.00	0.40	2.00	0.00	9.80	0.02	0.00
0.42	2.00	0.00	9.79	0.02	0.00	0.44	2.00	0.00	9.78	0.02	0.00
0.46	2.00	0.00	9.77	0.02	0.00	0.48	2.00	0.00	9.76	0.02	0.00
0.50	2.00	0.00	9.75	0.02	0.00	0.52	2.00	0.00	9.74	0.02	0.00
0.54	2.00	0.00	9.73	0.02	0.00	0.56	2.00	0.00	9.72	0.02	0.00
0.58	2.00	0.00	9.71	0.02	0.00	0.60	2.00	0.00	9.70	0.02	0.00
0.62	2.00	0.00	9.69	0.02	0.00	0.64	2.00	0.00	9.68	0.02	0.00
0.66	2.00	0.00	9.67	0.02	0.00	0.68	2.00	0.00	9.66	0.02	0.00
0.70	2.00	0.00	9.65	0.02	0.00	0.72	2.00	0.00	9.64	0.02	0.00
0.74	2.00	0.00	9.63	0.02	0.00	0.76	2.00	0.00	9.62	0.02	0.00
0.78	2.00	0.00	9.61	0.02	0.00	0.80	2.00	0.00	9.60	0.02	0.00
0.82	2.00	0.00	9.59	0.02	0.00	0.84	2.00	0.00	9.58	0.02	0.00
0.86	2.00	0.00	9.57	0.02	0.00	0.88	2.00	0.00	9.56	0.02	0.00
0.90	2.00	0.00	9.55	0.02	0.00	0.92	2.00	0.00	9.54	0.02	0.00
0.94	2.00	0.00	9.53	0.02	0.00	0.96	2.00	0.00	9.52	0.02	0.00
0.98	2.00	0.00	9.51	0.02	0.00	1.00	2.00	0.00	9.50	0.02	0.00
1.02	2.00	0.00	9.49	0.02	0.00	1.04	2.00	0.00	9.48	0.02	0.00
1.06	2.00	0.00	9.47	0.02	0.00	1.08	2.00	0.00	9.46	0.02	0.00
1.10	2.00	0.00	9.45	0.02	0.00	1.12	2.00	0.00	9.44	0.02	0.00
1.14	2.00	0.00	9.43	0.02	0.00	1.16	2.00	0.00	9.42	0.02	0.00
1.18	2.00	0.00	9.41	0.02	0.00	1.20	2.00	0.00	9.40	0.02	0.00
1.22	2.00	0.00	9.39	0.02	0.00	1.24	2.00	0.00	9.38	0.02	0.00
1.26	2.00	0.00	9.37	0.02	0.00	1.28	2.00	0.00	9.36	0.02	0.00
1.30	2.00	0.00	9.35	0.02	0.00	1.32	2.00	0.00	9.34	0.02	0.00
1.34	2.00	0.00	9.33	0.02	0.00	1.36	2.00	0.00	9.32	0.02	0.00
1.38	2.00	0.00	9.31	0.02	0.00	1.40	2.00	0.00	9.30	0.02	0.00
1.42	2.00	0.00	9.29	0.02	0.00	1.44	2.00	0.00	9.28	0.02	0.00
1.46	2.00	0.00	9.27	0.02	0.00	1.48	2.00	0.00	9.26	0.02	0.00
1.50	2.00	0.00	9.25	0.02	0.00	1.52	2.00	0.00	9.24	0.02	0.00
1.54	2.00	0.00	9.23	0.02	0.00	1.56	2.00	0.00	9.22	0.02	0.00
1.58	2.00	0.00	9.21	0.02	0.00	1.60	2.00	0.00	9.20	0.02	0.00
1.62	2.00	0.00	9.19	0.02	0.00	1.64	2.00	0.00	9.18	0.02	0.00
1.66	2.00	0.00	9.17	0.02	0.00	1.68	2.00	0.00	9.16	0.02	0.00
1.70	2.00	0.00	9.15	0.02	0.00	1.72	2.00	0.00	9.14	0.02	0.00
1.74	2.00	0.00	9.13	0.02	0.00	1.76	2.00	0.00	9.12	0.02	0.00
1.78	2.00	0.00	9.11	0.02	0.00	1.80	2.00	0.00	9.10	0.02	0.00
1.82	2.00	0.00	9.09	0.02	0.00	1.84	2.00	0.00	9.08	0.02	0.00
1.86	2.00	0.00	9.07	0.02	0.00	1.88	2.00	0.00	9.06	0.02	0.00
1.90	2.00	0.00	9.05	0.02	0.00	1.92	2.00	0.00	9.04	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
1.94	2.00	0.00	9.03	0.02	0.00	1.96	2.00	0.00	9.02	0.02	0.00
1.98	2.00	0.00	9.01	0.02	0.00	2.00	2.00	0.00	9.00	0.02	0.00
2.02	2.00	0.00	8.99	0.02	0.00	2.04	2.00	0.00	8.98	0.02	0.00
2.06	2.00	0.00	8.97	0.02	0.00	2.08	2.00	0.00	8.96	0.02	0.00
2.10	2.00	0.00	8.95	0.02	0.00	2.12	2.00	0.00	8.94	0.02	0.00
2.14	2.00	0.00	8.93	0.02	0.00	2.16	2.00	0.00	8.92	0.02	0.00
2.18	2.00	0.00	8.91	0.02	0.00	2.20	2.00	0.00	8.90	0.02	0.00
2.22	2.00	0.00	8.89	0.02	0.00	2.24	2.00	0.00	8.88	0.02	0.00
2.26	2.00	0.00	8.87	0.02	0.00	2.28	2.00	0.00	8.86	0.02	0.00
2.30	2.00	0.00	8.85	0.02	0.00	2.32	2.00	0.00	8.84	0.02	0.00
2.34	2.00	0.00	8.83	0.02	0.00	2.36	2.00	0.00	8.82	0.02	0.00
2.38	2.00	0.00	8.81	0.02	0.00	2.40	2.00	0.00	8.80	0.02	0.00
2.42	2.00	0.00	8.79	0.02	0.00	2.44	2.00	0.00	8.78	0.02	0.00
2.46	2.00	0.00	8.77	0.02	0.00	2.48	2.00	0.00	8.76	0.02	0.00
2.50	2.00	0.00	8.75	0.02	0.00	2.52	2.00	0.00	8.74	0.02	0.00
2.54	2.00	0.00	8.73	0.02	0.00	2.56	2.00	0.00	8.72	0.02	0.00
2.58	2.00	0.00	8.71	0.02	0.00	2.60	2.00	0.00	8.70	0.02	0.00
2.62	2.00	0.00	8.69	0.02	0.00	2.64	2.00	0.00	8.68	0.02	0.00
2.66	2.00	0.00	8.67	0.02	0.00	2.68	2.00	0.00	8.66	0.02	0.00
2.70	2.00	0.00	8.65	0.02	0.00	2.72	2.00	0.00	8.64	0.02	0.00
2.74	2.00	0.00	8.63	0.02	0.00	2.76	2.00	0.00	8.62	0.02	0.00
2.78	2.00	0.00	8.61	0.02	0.00	2.80	2.00	0.00	8.60	0.02	0.00
2.82	2.00	0.00	8.59	0.02	0.00	2.84	2.00	0.00	8.58	0.02	0.00
2.86	2.00	0.00	8.57	0.02	0.00	2.88	2.00	0.00	8.56	0.02	0.00
2.90	2.00	0.00	8.55	0.02	0.00	2.92	2.00	0.00	8.54	0.02	0.00
2.94	2.00	0.00	8.53	0.02	0.00	2.96	2.00	0.00	8.52	0.02	0.00
2.98	2.00	0.00	8.51	0.02	0.00	3.00	2.00	0.00	8.50	0.02	0.00
3.02	2.00	0.00	8.49	0.02	0.00	3.04	2.00	0.00	8.48	0.02	0.00
3.06	2.00	0.00	8.47	0.02	0.00	3.08	2.00	0.00	8.46	0.02	0.00
3.10	2.00	0.00	8.45	0.02	0.00	3.12	2.00	0.00	8.44	0.02	0.00
3.14	2.00	0.00	8.43	0.02	0.00	3.16	2.00	0.00	8.42	0.02	0.00
3.18	2.00	0.00	8.41	0.02	0.00	3.20	2.00	0.00	8.40	0.02	0.00
3.22	2.00	0.00	8.39	0.02	0.00	3.24	2.00	0.00	8.38	0.02	0.00
3.26	2.00	0.00	8.37	0.02	0.00	3.28	2.00	0.00	8.36	0.02	0.00
3.30	2.00	0.00	8.35	0.02	0.00	3.32	2.00	0.00	8.34	0.02	0.00
3.34	2.00	0.00	8.33	0.02	0.00	3.36	2.00	0.00	8.32	0.02	0.00
3.38	2.00	0.00	8.31	0.02	0.00	3.40	2.00	0.00	8.30	0.02	0.00
3.42	2.00	0.00	8.29	0.02	0.00	3.44	2.00	0.00	8.28	0.02	0.00
3.46	2.00	0.00	8.27	0.02	0.00	3.48	2.00	0.00	8.26	0.02	0.00
3.50	2.00	0.00	8.25	0.02	0.00	3.52	2.00	0.00	8.24	0.02	0.00
3.54	2.00	0.00	8.23	0.02	0.00	3.56	2.00	0.00	8.22	0.02	0.00
3.58	2.00	0.00	8.21	0.02	0.00	3.60	2.00	0.00	8.20	0.02	0.00
3.62	2.00	0.00	8.19	0.02	0.00	3.64	2.00	0.00	8.18	0.02	0.00
3.66	2.00	0.00	8.17	0.02	0.00	3.68	2.00	0.00	8.16	0.02	0.00
3.70	2.00	0.00	8.15	0.02	0.00	3.72	2.00	0.00	8.14	0.02	0.00
3.74	2.00	0.00	8.13	0.02	0.00	3.76	2.00	0.00	8.12	0.02	0.00
3.78	2.00	0.00	8.11	0.02	0.00	3.80	2.00	0.00	8.10	0.02	0.00
3.82	2.00	0.00	8.09	0.02	0.00	3.84	2.00	0.00	8.08	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
3.86	2.00	0.00	8.07	0.02	0.00	3.88	2.00	0.00	8.06	0.02	0.00
3.90	2.00	0.00	8.05	0.02	0.00	3.92	2.00	0.00	8.04	0.02	0.00
3.94	2.00	0.00	8.03	0.02	0.00	3.96	2.00	0.00	8.02	0.02	0.00
3.98	2.00	0.00	8.01	0.02	0.00	4.00	2.00	0.00	8.00	0.02	0.00
4.02	2.00	0.00	7.99	0.02	0.00	4.04	2.00	0.00	7.98	0.02	0.00
4.06	2.00	0.00	7.97	0.02	0.00	4.08	2.00	0.00	7.96	0.02	0.00
4.10	2.00	0.00	7.95	0.02	0.00	4.12	2.00	0.00	7.94	0.02	0.00
4.14	2.00	0.00	7.93	0.02	0.00	4.16	2.00	0.00	7.92	0.02	0.00
4.18	2.00	0.00	7.91	0.02	0.00	4.20	2.00	0.00	7.90	0.02	0.00
4.22	2.00	0.00	7.89	0.02	0.00	4.24	2.00	0.00	7.88	0.02	0.00
4.26	2.00	0.00	7.87	0.02	0.00	4.28	2.00	0.00	7.86	0.02	0.00
4.30	2.00	0.00	7.85	0.02	0.00	4.32	2.00	0.00	7.84	0.02	0.00
4.34	2.00	0.00	7.83	0.02	0.00	4.36	2.00	0.00	7.82	0.02	0.00
4.38	2.00	0.00	7.81	0.02	0.00	4.40	2.00	0.00	7.80	0.02	0.00
4.42	2.00	0.00	7.79	0.02	0.00	4.44	2.00	0.00	7.78	0.02	0.00
4.46	2.00	0.00	7.77	0.02	0.00	4.47	2.00	0.00	7.77	0.01	0.00
4.49	2.00	0.00	7.76	0.02	0.00	4.51	2.00	0.00	7.75	0.02	0.00
4.53	2.00	0.00	7.74	0.02	0.00	4.55	2.00	0.00	7.73	0.02	0.00
4.57	2.00	0.00	7.72	0.02	0.00	4.59	2.00	0.00	7.71	0.02	0.00
4.61	2.00	0.00	7.70	0.02	0.00	4.63	2.00	0.00	7.69	0.02	0.00
4.65	2.00	0.00	7.68	0.02	0.00	4.67	2.00	0.00	7.67	0.02	0.00
4.69	2.00	0.00	7.66	0.02	0.00	4.71	2.00	0.00	7.65	0.02	0.00
4.73	2.00	0.00	7.64	0.02	0.00	4.75	2.00	0.00	7.63	0.02	0.00
4.77	2.00	0.00	7.62	0.02	0.00	4.79	2.00	0.00	7.61	0.02	0.00
4.81	2.00	0.00	7.60	0.02	0.00	4.83	2.00	0.00	7.59	0.02	0.00
4.85	2.00	0.00	7.58	0.02	0.00	4.87	2.00	0.00	7.57	0.02	0.00
4.89	2.00	0.00	7.56	0.02	0.00	4.91	2.00	0.00	7.55	0.02	0.00
4.93	2.00	0.00	7.54	0.02	0.00	4.95	2.00	0.00	7.53	0.02	0.00
4.97	2.00	0.00	7.52	0.02	0.00	4.99	2.00	0.00	7.51	0.02	0.00
5.01	2.00	0.00	7.50	0.02	0.00	5.03	2.00	0.00	7.49	0.02	0.00
5.05	2.00	0.00	7.48	0.02	0.00	5.07	2.00	0.00	7.47	0.02	0.00
5.09	2.00	0.00	7.46	0.02	0.00	5.11	2.00	0.00	7.45	0.02	0.00
5.13	2.00	0.00	7.44	0.02	0.00	5.15	2.00	0.00	7.43	0.02	0.00
5.17	2.00	0.00	7.42	0.02	0.00	5.19	2.00	0.00	7.41	0.02	0.00
5.21	2.00	0.00	7.40	0.02	0.00	5.23	2.00	0.00	7.39	0.02	0.00
5.25	2.00	0.00	7.38	0.02	0.00	5.27	2.00	0.00	7.37	0.02	0.00
5.29	2.00	0.00	7.36	0.02	0.00	5.31	2.00	0.00	7.35	0.02	0.00
5.33	2.00	0.00	7.34	0.02	0.00	5.35	2.00	0.00	7.33	0.02	0.00
5.37	2.00	0.00	7.32	0.02	0.00	5.39	2.00	0.00	7.31	0.02	0.00
5.41	2.00	0.00	7.30	0.02	0.00	5.43	2.00	0.00	7.29	0.02	0.00
5.45	2.00	0.00	7.28	0.02	0.00	5.47	2.00	0.00	7.27	0.02	0.00
5.49	2.00	0.00	7.26	0.02	0.00	5.51	2.00	0.00	7.25	0.02	0.00
5.53	2.00	0.00	7.24	0.02	0.00	5.55	2.00	0.00	7.23	0.02	0.00
5.57	2.00	0.00	7.22	0.02	0.00	5.59	2.00	0.00	7.21	0.02	0.00
5.61	2.00	0.00	7.20	0.02	0.00	5.63	2.00	0.00	7.19	0.02	0.00
5.65	2.00	0.00	7.18	0.02	0.00	5.67	2.00	0.00	7.17	0.02	0.00
5.69	2.00	0.00	7.16	0.02	0.00	5.71	2.00	0.00	7.15	0.02	0.00
5.73	2.00	0.00	7.14	0.02	0.00	5.75	2.00	0.00	7.13	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
5.77	2.00	0.00	7.12	0.02	0.00	5.79	2.00	0.00	7.11	0.02	0.00
5.81	2.00	0.00	7.10	0.02	0.00	5.83	2.00	0.00	7.09	0.02	0.00
5.85	2.00	0.00	7.08	0.02	0.00	5.87	2.00	0.00	7.07	0.02	0.00
5.89	2.00	0.00	7.06	0.02	0.00	5.91	2.00	0.00	7.05	0.02	0.00
5.93	2.00	0.00	7.04	0.02	0.00	5.95	2.00	0.00	7.03	0.02	0.00
5.97	2.00	0.00	7.02	0.02	0.00	5.99	2.00	0.00	7.01	0.02	0.00
6.01	2.00	0.00	7.00	0.02	0.00	6.03	2.00	0.00	6.99	0.02	0.00
6.05	2.00	0.00	6.98	0.02	0.00	6.07	2.00	0.00	6.97	0.02	0.00
6.09	2.00	0.00	6.96	0.02	0.00	6.11	2.00	0.00	6.95	0.02	0.00
6.13	2.00	0.00	6.94	0.02	0.00	6.15	2.00	0.00	6.93	0.02	0.00
6.17	2.00	0.00	6.92	0.02	0.00	6.19	2.00	0.00	6.91	0.02	0.00
6.21	2.00	0.00	6.90	0.02	0.00	6.23	2.00	0.00	6.89	0.02	0.00
6.25	2.00	0.00	6.88	0.02	0.00	6.26	2.00	0.00	6.87	0.01	0.00
6.28	2.00	0.00	6.86	0.02	0.00	6.30	2.00	0.00	6.85	0.02	0.00
6.32	2.00	0.00	6.84	0.02	0.00	6.34	2.00	0.00	6.83	0.02	0.00
6.36	2.00	0.00	6.82	0.02	0.00	6.38	2.00	0.00	6.81	0.02	0.00
6.40	2.00	0.00	6.80	0.02	0.00	6.42	2.00	0.00	6.79	0.02	0.00
6.44	2.00	0.00	6.78	0.02	0.00	6.46	2.00	0.00	6.77	0.02	0.00
6.48	2.00	0.00	6.76	0.02	0.00	6.50	2.00	0.00	6.75	0.02	0.00
6.52	2.00	0.00	6.74	0.02	0.00	6.54	2.00	0.00	6.73	0.02	0.00
6.56	2.00	0.00	6.72	0.02	0.00	6.58	2.00	0.00	6.71	0.02	0.00
6.60	2.00	0.00	6.70	0.02	0.00	6.62	2.00	0.00	6.69	0.02	0.00
6.64	2.00	0.00	6.68	0.02	0.00	6.66	2.00	0.00	6.67	0.02	0.00
6.68	2.00	0.00	6.66	0.02	0.00	6.70	2.00	0.00	6.65	0.02	0.00
6.72	2.00	0.00	6.64	0.02	0.00	6.74	2.00	0.00	6.63	0.02	0.00
6.76	2.00	0.00	6.62	0.02	0.00	6.78	2.00	0.00	6.61	0.02	0.00
6.80	2.00	0.00	6.60	0.02	0.00	6.82	2.00	0.00	6.59	0.02	0.00
6.84	2.00	0.00	6.58	0.02	0.00	6.86	2.00	0.00	6.57	0.02	0.00
6.88	2.00	0.00	6.56	0.02	0.00	6.90	2.00	0.00	6.55	0.02	0.00
6.92	2.00	0.00	6.54	0.02	0.00	6.94	2.00	0.00	6.53	0.02	0.00
6.96	2.00	0.00	6.52	0.02	0.00	6.98	2.00	0.00	6.51	0.02	0.00
7.00	2.00	0.00	6.50	0.02	0.00	7.02	2.00	0.00	6.49	0.02	0.00
7.04	2.00	0.00	6.48	0.02	0.00	7.06	2.00	0.00	6.47	0.02	0.00
7.08	2.00	0.00	6.46	0.02	0.00	7.10	2.00	0.00	6.45	0.02	0.00
7.12	2.00	0.00	6.44	0.02	0.00	7.14	2.00	0.00	6.43	0.02	0.00
7.16	2.00	0.00	6.42	0.02	0.00	7.18	2.00	0.00	6.41	0.02	0.00
7.20	2.00	0.00	6.40	0.02	0.00	7.22	2.00	0.00	6.39	0.02	0.00
7.24	2.00	0.00	6.38	0.02	0.00	7.26	2.00	0.00	6.37	0.02	0.00
7.28	2.00	0.00	6.36	0.02	0.00	7.30	2.00	0.00	6.35	0.02	0.00
7.32	2.00	0.00	6.34	0.02	0.00	7.34	2.00	0.00	6.33	0.02	0.00
7.35	2.00	0.00	6.33	0.01	0.00	7.37	2.00	0.00	6.32	0.02	0.00
7.39	2.00	0.00	6.31	0.02	0.00	7.41	2.00	0.00	6.30	0.02	0.00
7.43	2.00	0.00	6.29	0.02	0.00	7.45	2.00	0.00	6.28	0.02	0.00
7.47	2.00	0.00	6.27	0.02	0.00	7.49	2.00	0.00	6.26	0.02	0.00
7.51	2.00	0.00	6.25	0.02	0.00	7.53	2.00	0.00	6.24	0.02	0.00
7.55	2.00	0.00	6.23	0.02	0.00	7.57	2.00	0.00	6.22	0.02	0.00
7.59	2.00	0.00	6.21	0.02	0.00	7.61	2.00	0.00	6.20	0.02	0.00
7.63	2.00	0.00	6.19	0.02	0.00	7.65	2.00	0.00	6.18	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
7.67	2.00	0.00	6.17	0.02	0.00	7.69	2.00	0.00	6.16	0.02	0.00
7.71	2.00	0.00	6.15	0.02	0.00	7.73	2.00	0.00	6.14	0.02	0.00
7.75	2.00	0.00	6.13	0.02	0.00	7.77	2.00	0.00	6.12	0.02	0.00
7.79	2.00	0.00	6.11	0.02	0.00	7.81	2.00	0.00	6.10	0.02	0.00
7.83	2.00	0.00	6.09	0.02	0.00	7.85	2.00	0.00	6.08	0.02	0.00
7.87	2.00	0.00	6.07	0.02	0.00	7.89	2.00	0.00	6.06	0.02	0.00
7.91	2.00	0.00	6.05	0.02	0.00	7.93	2.00	0.00	6.04	0.02	0.00
7.95	2.00	0.00	6.03	0.02	0.00	7.97	2.00	0.00	6.02	0.02	0.00
7.99	2.00	0.00	6.01	0.02	0.00	8.01	2.00	0.00	6.00	0.02	0.00
8.03	2.00	0.00	5.99	0.02	0.00	8.05	2.00	0.00	5.98	0.02	0.00
8.07	2.00	0.00	5.97	0.02	0.00	8.09	2.00	0.00	5.96	0.02	0.00
8.11	2.00	0.00	5.95	0.02	0.00	8.13	2.00	0.00	5.94	0.02	0.00
8.15	2.00	0.00	5.93	0.02	0.00	8.17	2.00	0.00	5.92	0.02	0.00
8.19	2.00	0.00	5.91	0.02	0.00	8.21	2.00	0.00	5.90	0.02	0.00
8.23	2.00	0.00	5.89	0.02	0.00	8.25	2.00	0.00	5.88	0.02	0.00
8.27	2.00	0.00	5.87	0.02	0.00	8.29	2.00	0.00	5.86	0.02	0.00
8.31	2.00	0.00	5.85	0.02	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.34	2.00	0.00	5.83	0.02	0.00	8.36	2.00	0.00	5.82	0.02	0.00
8.38	2.00	0.00	5.81	0.02	0.00	8.40	2.00	0.00	5.80	0.02	0.00
8.42	2.00	0.00	5.79	0.02	0.00	8.44	2.00	0.00	5.78	0.02	0.00
8.46	2.00	0.00	5.77	0.02	0.00	8.48	2.00	0.00	5.76	0.02	0.00
8.50	2.00	0.00	5.75	0.02	0.00	8.52	2.00	0.00	5.74	0.02	0.00
8.54	2.00	0.00	5.73	0.02	0.00	8.56	2.00	0.00	5.72	0.02	0.00
8.58	2.00	0.00	5.71	0.02	0.00	8.60	2.00	0.00	5.70	0.02	0.00
8.62	2.00	0.00	5.69	0.02	0.00	8.64	2.00	0.00	5.68	0.02	0.00
8.66	2.00	0.00	5.67	0.02	0.00	8.68	2.00	0.00	5.66	0.02	0.00
8.70	2.00	0.00	5.65	0.02	0.00	8.72	2.00	0.00	5.64	0.02	0.00
8.74	2.00	0.00	5.63	0.02	0.00	8.76	2.00	0.00	5.62	0.02	0.00
8.78	2.00	0.00	5.61	0.02	0.00	8.80	2.00	0.00	5.60	0.02	0.00
8.82	2.00	0.00	5.59	0.02	0.00	8.84	2.00	0.00	5.58	0.02	0.00
8.86	2.00	0.00	5.57	0.02	0.00	8.88	2.00	0.00	5.56	0.02	0.00
8.90	2.00	0.00	5.55	0.02	0.00	8.92	2.00	0.00	5.54	0.02	0.00
8.94	2.00	0.00	5.53	0.02	0.00	8.96	2.00	0.00	5.52	0.02	0.00
8.98	2.00	0.00	5.51	0.02	0.00	9.00	2.00	0.00	5.50	0.02	0.00
9.02	2.00	0.00	5.49	0.02	0.00	9.04	2.00	0.00	5.48	0.02	0.00
9.06	2.00	0.00	5.47	0.02	0.00	9.08	2.00	0.00	5.46	0.02	0.00
9.10	2.00	0.00	5.45	0.02	0.00	9.12	2.00	0.00	5.44	0.02	0.00
9.13	2.00	0.00	5.43	0.01	0.00	9.16	2.00	0.00	5.42	0.03	0.00
9.17	2.00	0.00	5.42	0.01	0.00	9.19	2.00	0.00	5.41	0.02	0.00
9.21	2.00	0.00	5.39	0.02	0.00	9.23	2.00	0.00	5.39	0.02	0.00
9.25	2.00	0.00	5.38	0.02	0.00	9.27	2.00	0.00	5.37	0.02	0.00
9.29	2.00	0.00	5.36	0.02	0.00	9.31	2.00	0.00	5.35	0.02	0.00
9.33	2.00	0.00	5.34	0.02	0.00	9.35	2.00	0.00	5.33	0.02	0.00
9.37	2.00	0.00	5.32	0.02	0.00	9.39	2.00	0.00	5.31	0.02	0.00
9.41	2.00	0.00	5.30	0.02	0.00	9.43	2.00	0.00	5.29	0.02	0.00
9.45	2.00	0.00	5.28	0.02	0.00	9.47	2.00	0.00	5.27	0.02	0.00
9.49	2.00	0.00	5.26	0.02	0.00	9.51	2.00	0.00	5.25	0.02	0.00
9.53	2.00	0.00	5.24	0.02	0.00	9.55	2.00	0.00	5.22	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
9.57	2.00	0.00	5.22	0.02	0.00	9.59	2.00	0.00	5.21	0.02	0.00
9.61	2.00	0.00	5.20	0.02	0.00	9.63	2.00	0.00	5.18	0.02	0.00
9.65	2.00	0.00	5.18	0.02	0.00	9.67	2.00	0.00	5.17	0.02	0.00
9.69	2.00	0.00	5.16	0.02	0.00	9.71	2.00	0.00	5.14	0.02	0.00
9.73	2.00	0.00	5.14	0.02	0.00	9.75	2.00	0.00	5.13	0.02	0.00
9.77	2.00	0.00	5.12	0.02	0.00	9.79	2.00	0.00	5.11	0.02	0.00
9.81	2.00	0.00	5.10	0.02	0.00	9.83	2.00	0.00	5.09	0.02	0.00
9.85	2.00	0.00	5.08	0.02	0.00	9.87	2.00	0.00	5.07	0.02	0.00
9.89	2.00	0.00	5.06	0.02	0.00	9.91	2.00	0.00	5.05	0.02	0.00
9.93	2.00	0.00	5.04	0.02	0.00	9.95	2.00	0.00	5.03	0.02	0.00
9.97	2.00	0.00	5.02	0.02	0.00	9.99	2.00	0.00	5.01	0.02	0.00
10.01	2.00	0.00	5.00	0.02	0.00	10.03	2.00	0.00	4.99	0.02	0.00
10.05	2.00	0.00	4.97	0.02	0.00	10.07	2.00	0.00	4.97	0.02	0.00
10.08	2.00	0.00	4.96	0.01	0.00	10.10	2.00	0.00	4.95	0.02	0.00
10.12	2.00	0.00	4.94	0.02	0.00	10.14	2.00	0.00	4.93	0.02	0.00
10.16	2.00	0.00	4.92	0.02	0.00	10.18	2.00	0.00	4.91	0.02	0.00
10.20	2.00	0.00	4.90	0.02	0.00	10.22	2.00	0.00	4.89	0.02	0.00
10.24	2.00	0.00	4.88	0.02	0.00	10.26	2.00	0.00	4.87	0.02	0.00
10.28	2.00	0.00	4.86	0.02	0.00	10.30	2.00	0.00	4.85	0.02	0.00
10.32	2.00	0.00	4.84	0.02	0.00	10.34	2.00	0.00	4.83	0.02	0.00
10.36	2.00	0.00	4.82	0.02	0.00	10.38	2.00	0.00	4.81	0.02	0.00
10.40	2.00	0.00	4.80	0.02	0.00	10.42	2.00	0.00	4.79	0.02	0.00
10.44	2.00	0.00	4.78	0.02	0.00	10.46	2.00	0.00	4.77	0.02	0.00
10.48	2.00	0.00	4.76	0.02	0.00	10.50	2.00	0.00	4.75	0.02	0.00
10.52	2.00	0.00	4.74	0.02	0.00	10.54	2.00	0.00	4.73	0.02	0.00
10.56	2.00	0.00	4.72	0.02	0.00	10.58	2.00	0.00	4.71	0.02	0.00
10.60	2.00	0.00	4.70	0.02	0.00	10.62	2.00	0.00	4.69	0.02	0.00
10.64	2.00	0.00	4.68	0.02	0.00	10.66	2.00	0.00	4.67	0.02	0.00
10.68	2.00	0.00	4.66	0.02	0.00	10.70	2.00	0.00	4.65	0.02	0.00
10.71	2.00	0.00	4.64	0.01	0.00	10.73	2.00	0.00	4.64	0.02	0.00
10.75	2.00	0.00	4.63	0.02	0.00	10.77	2.00	0.00	4.62	0.02	0.00
10.79	2.00	0.00	4.61	0.02	0.00	10.81	2.00	0.00	4.60	0.02	0.00
10.83	2.00	0.00	4.59	0.02	0.00	10.85	2.00	0.00	4.58	0.02	0.00
10.87	2.00	0.00	4.57	0.02	0.00	10.89	2.00	0.00	4.56	0.02	0.00
10.91	2.00	0.00	4.55	0.02	0.00	10.93	2.00	0.00	4.54	0.02	0.00
10.94	2.00	0.00	4.53	0.01	0.00	10.96	2.00	0.00	4.52	0.02	0.00
10.98	2.00	0.00	4.51	0.02	0.00	11.00	2.00	0.00	4.50	0.02	0.00
11.02	2.00	0.00	4.49	0.02	0.00	11.04	2.00	0.00	4.48	0.02	0.00
11.06	2.00	0.00	4.47	0.02	0.00	11.08	2.00	0.00	4.46	0.02	0.00
11.10	2.00	0.00	4.45	0.02	0.00	11.12	2.00	0.00	4.44	0.02	0.00
11.14	2.00	0.00	4.43	0.02	0.00	11.15	2.00	0.00	4.43	0.01	0.00
11.17	2.00	0.00	4.42	0.02	0.00	11.19	2.00	0.00	4.41	0.02	0.00
11.21	2.00	0.00	4.39	0.02	0.00	11.23	2.00	0.00	4.39	0.02	0.00
11.25	2.00	0.00	4.38	0.02	0.00	11.27	2.00	0.00	4.37	0.02	0.00
11.29	2.00	0.00	4.36	0.02	0.00	11.31	2.00	0.00	4.35	0.02	0.00
11.33	2.00	0.00	4.34	0.02	0.00	11.35	2.00	0.00	4.33	0.02	0.00
11.36	2.00	0.00	4.32	0.01	0.00	11.38	2.00	0.00	4.31	0.02	0.00
11.40	2.00	0.00	4.30	0.02	0.00	11.42	2.00	0.00	4.29	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
11.44	2.00	0.00	4.28	0.02	0.00	11.46	2.00	0.00	4.27	0.02	0.00
11.48	2.00	0.00	4.26	0.02	0.00	11.50	2.00	0.00	4.25	0.02	0.00
11.52	2.00	0.00	4.24	0.02	0.00	11.54	2.00	0.00	4.23	0.02	0.00
11.56	2.00	0.00	4.22	0.02	0.00	11.58	2.00	0.00	4.21	0.02	0.00
11.60	2.00	0.00	4.20	0.02	0.00	11.62	2.00	0.00	4.19	0.02	0.00
11.63	2.00	0.00	4.18	0.01	0.00	11.65	2.00	0.00	4.18	0.02	0.00
11.67	2.00	0.00	4.17	0.02	0.00	11.69	2.00	0.00	4.16	0.02	0.00
11.71	2.00	0.00	4.14	0.02	0.00	11.73	2.00	0.00	4.14	0.02	0.00
11.75	2.00	0.00	4.13	0.02	0.00	11.77	2.00	0.00	4.12	0.02	0.00
11.79	2.00	0.00	4.11	0.02	0.00	11.81	2.00	0.00	4.10	0.02	0.00
11.83	2.00	0.00	4.09	0.02	0.00	11.85	2.00	0.00	4.08	0.02	0.00
11.87	2.00	0.00	4.07	0.02	0.00	11.89	2.00	0.00	4.06	0.02	0.00
11.91	2.00	0.00	4.05	0.02	0.00	11.93	2.00	0.00	4.04	0.02	0.00
11.95	2.00	0.00	4.03	0.02	0.00	11.97	2.00	0.00	4.02	0.02	0.00
11.99	2.00	0.00	4.01	0.02	0.00	12.00	2.00	0.00	4.00	0.01	0.00
12.02	2.00	0.00	3.99	0.02	0.00	12.04	2.00	0.00	3.98	0.02	0.00
12.06	2.00	0.00	3.97	0.02	0.00	12.08	2.00	0.00	3.96	0.02	0.00
12.10	2.00	0.00	3.95	0.02	0.00	12.12	2.00	0.00	3.94	0.02	0.00
12.14	2.00	0.00	3.93	0.02	0.00	12.16	2.00	0.00	3.92	0.02	0.00
12.18	2.00	0.00	3.91	0.02	0.00	12.20	2.00	0.00	3.90	0.02	0.00
12.22	2.00	0.00	3.89	0.02	0.00	12.24	2.00	0.00	3.88	0.02	0.00
12.26	2.00	0.00	3.87	0.02	0.00	12.28	2.00	0.00	3.86	0.02	0.00
12.30	2.00	0.00	3.85	0.02	0.00	12.32	2.00	0.00	3.84	0.02	0.00
12.34	2.00	0.00	3.83	0.02	0.00	12.36	2.00	0.00	3.82	0.02	0.00
12.37	2.00	0.00	3.82	0.01	0.00	12.39	2.00	0.00	3.81	0.02	0.00
12.41	2.00	0.00	3.80	0.02	0.00	12.43	2.00	0.00	3.79	0.02	0.00
12.45	2.00	0.00	3.78	0.02	0.00	12.47	2.00	0.00	3.77	0.02	0.00
12.49	2.00	0.00	3.76	0.02	0.00	12.51	2.00	0.00	3.75	0.02	0.00
12.53	2.00	0.00	3.74	0.02	0.00	12.55	2.00	0.00	3.73	0.02	0.00
12.57	2.00	0.00	3.72	0.02	0.00	12.59	2.00	0.00	3.71	0.02	0.00
12.61	2.00	0.00	3.70	0.02	0.00	12.63	2.00	0.00	3.69	0.02	0.00
12.65	2.00	0.00	3.68	0.02	0.00	12.67	2.00	0.00	3.67	0.02	0.00
12.69	2.00	0.00	3.66	0.02	0.00	12.71	2.00	0.00	3.65	0.02	0.00
12.73	2.00	0.00	3.64	0.02	0.00	12.75	2.00	0.00	3.63	0.02	0.00
12.77	2.00	0.00	3.62	0.02	0.00	12.79	2.00	0.00	3.61	0.02	0.00
12.80	2.00	0.00	3.60	0.01	0.00	12.82	2.00	0.00	3.59	0.02	0.00
12.84	2.00	0.00	3.58	0.02	0.00	12.86	2.00	0.00	3.57	0.02	0.00
12.88	2.00	0.00	3.56	0.02	0.00	12.90	2.00	0.00	3.55	0.02	0.00
12.92	2.00	0.00	3.54	0.02	0.00	12.94	2.00	0.00	3.53	0.02	0.00
12.96	2.00	0.00	3.52	0.02	0.00	12.98	2.00	0.00	3.51	0.02	0.00
13.00	2.00	0.00	3.50	0.02	0.00	13.02	2.00	0.00	3.49	0.02	0.00
13.04	2.00	0.00	3.48	0.02	0.00	13.06	2.00	0.00	3.47	0.02	0.00
13.08	2.00	0.00	3.46	0.02	0.00	13.09	2.00	0.00	3.46	0.01	0.00
13.11	2.00	0.00	3.45	0.02	0.00	13.13	2.00	0.00	3.44	0.02	0.00
13.15	2.00	0.00	3.43	0.02	0.00	13.17	2.00	0.00	3.42	0.02	0.00
13.19	2.00	0.00	3.41	0.02	0.00	13.21	2.00	0.00	3.40	0.02	0.00
13.23	2.00	0.00	3.39	0.02	0.00	13.25	2.00	0.00	3.38	0.02	0.00
13.27	2.00	0.00	3.37	0.02	0.00	13.29	2.00	0.00	3.36	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
13.31	2.00	0.00	3.35	0.02	0.00	13.33	2.00	0.00	3.34	0.02	0.00
13.34	2.00	0.00	3.33	0.01	0.00	13.36	2.00	0.00	3.32	0.02	0.00
13.38	2.00	0.00	3.31	0.02	0.00	13.40	2.00	0.00	3.30	0.02	0.00
13.42	2.00	0.00	3.29	0.02	0.00	13.44	2.00	0.00	3.28	0.02	0.00
13.46	2.00	0.00	3.27	0.02	0.00	13.48	2.00	0.00	3.26	0.02	0.00
13.50	2.00	0.00	3.25	0.02	0.00	13.52	2.00	0.00	3.24	0.02	0.00
13.54	2.00	0.00	3.23	0.02	0.00	13.56	2.00	0.00	3.22	0.02	0.00
13.58	2.00	0.00	3.21	0.02	0.00	13.60	2.00	0.00	3.20	0.02	0.00
13.62	2.00	0.00	3.19	0.02	0.00	13.64	2.00	0.00	3.18	0.02	0.00
13.65	2.00	0.00	3.18	0.01	0.00	13.67	2.00	0.00	3.17	0.02	0.00
13.69	2.00	0.00	3.16	0.02	0.00	13.71	2.00	0.00	3.15	0.02	0.00
13.73	2.00	0.00	3.14	0.02	0.00	13.75	2.00	0.00	3.13	0.02	0.00
13.77	2.00	0.00	3.12	0.02	0.00	13.79	2.00	0.00	3.11	0.02	0.00
13.81	2.00	0.00	3.10	0.02	0.00	13.83	2.00	0.00	3.09	0.02	0.00
13.85	2.00	0.00	3.08	0.02	0.00	13.87	2.00	0.00	3.07	0.02	0.00
13.88	2.00	0.00	3.06	0.01	0.00	13.90	2.00	0.00	3.05	0.02	0.00
13.92	2.00	0.00	3.04	0.02	0.00	13.94	2.00	0.00	3.03	0.02	0.00
13.96	2.00	0.00	3.02	0.02	0.00	13.98	2.00	0.00	3.01	0.02	0.00
14.00	2.00	0.00	3.00	0.02	0.00	14.02	2.00	0.00	2.99	0.02	0.00
14.04	2.00	0.00	2.98	0.02	0.00	14.06	2.00	0.00	2.97	0.02	0.00
14.08	2.00	0.00	2.96	0.02	0.00	14.10	2.00	0.00	2.95	0.02	0.00
14.12	2.00	0.00	2.94	0.02	0.00	14.14	2.00	0.00	2.93	0.02	0.00
14.15	2.00	0.00	2.93	0.01	0.00	14.17	2.00	0.00	2.92	0.02	0.00
14.19	2.00	0.00	2.91	0.02	0.00	14.21	2.00	0.00	2.90	0.02	0.00
14.23	2.00	0.00	2.89	0.02	0.00	14.25	2.00	0.00	2.88	0.02	0.00
14.27	2.00	0.00	2.87	0.02	0.00	14.29	2.00	0.00	2.86	0.02	0.00
14.31	2.00	0.00	2.85	0.02	0.00	14.33	2.00	0.00	2.84	0.02	0.00
14.35	2.00	0.00	2.83	0.02	0.00	14.37	2.00	0.00	2.82	0.02	0.00
14.39	2.00	0.00	2.81	0.02	0.00	14.41	2.00	0.00	2.80	0.02	0.00
14.43	2.00	0.00	2.79	0.02	0.00	14.44	2.00	0.00	2.78	0.01	0.00
14.46	2.00	0.00	2.77	0.02	0.00	14.48	2.00	0.00	2.76	0.02	0.00
14.51	2.00	0.00	2.75	0.03	0.00	14.52	2.00	0.00	2.74	0.01	0.00
14.54	2.00	0.00	2.73	0.02	0.00	14.56	2.00	0.00	2.72	0.02	0.00
14.58	2.00	0.00	2.71	0.02	0.00	14.60	2.00	0.00	2.70	0.02	0.00
14.62	2.00	0.00	2.69	0.02	0.00	14.64	2.00	0.00	2.68	0.02	0.00
14.66	2.00	0.00	2.67	0.02	0.00	14.68	2.00	0.00	2.66	0.02	0.00
14.70	2.00	0.00	2.65	0.02	0.00	14.71	2.00	0.00	2.65	0.01	0.00
14.73	2.00	0.00	2.63	0.02	0.00	14.75	2.00	0.00	2.63	0.02	0.00
14.77	2.00	0.00	2.62	0.02	0.00	14.79	2.00	0.00	2.61	0.02	0.00
14.81	2.00	0.00	2.60	0.02	0.00	14.83	2.00	0.00	2.59	0.02	0.00
14.85	2.00	0.00	2.58	0.02	0.00	14.87	2.00	0.00	2.57	0.02	0.00
14.89	2.00	0.00	2.56	0.02	0.00	14.91	2.00	0.00	2.55	0.02	0.00
14.93	2.00	0.00	2.54	0.02	0.00	14.95	2.00	0.00	2.53	0.02	0.00
14.97	2.00	0.00	2.52	0.02	0.00	14.98	2.00	0.00	2.51	0.01	0.00
15.00	2.00	0.00	2.50	0.02	0.00	15.02	2.00	0.00	2.49	0.02	0.00
15.04	2.00	0.00	2.48	0.02	0.00	15.06	2.00	0.00	2.47	0.02	0.00
15.08	2.00	0.00	2.46	0.02	0.00	15.10	2.00	0.00	2.45	0.02	0.00
15.12	2.00	0.00	2.44	0.02	0.00	15.14	2.00	0.00	2.43	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
15.16	2.00	0.00	2.42	0.02	0.00	15.18	2.00	0.00	2.41	0.02	0.00
15.20	2.00	0.00	2.40	0.02	0.00	15.22	2.00	0.00	2.39	0.02	0.00
15.24	2.00	0.00	2.38	0.02	0.00	15.26	2.00	0.00	2.37	0.02	0.00
15.28	2.00	0.00	2.36	0.02	0.00	15.30	2.00	0.00	2.35	0.02	0.00
15.31	2.00	0.00	2.35	0.01	0.00	15.33	2.00	0.00	2.34	0.02	0.00
15.35	2.00	0.00	2.33	0.02	0.00	15.37	2.00	0.00	2.32	0.02	0.00
15.39	2.00	0.00	2.31	0.02	0.00	15.41	2.00	0.00	2.30	0.02	0.00
15.43	2.00	0.00	2.29	0.02	0.00	15.45	2.00	0.00	2.28	0.02	0.00
15.47	2.00	0.00	2.27	0.02	0.00	15.49	2.00	0.00	2.26	0.02	0.00
15.51	2.00	0.00	2.25	0.02	0.00	15.53	2.00	0.00	2.24	0.02	0.00
15.55	2.00	0.00	2.23	0.02	0.00	15.57	2.00	0.00	2.22	0.02	0.00
15.59	2.00	0.00	2.21	0.02	0.00	15.60	2.00	0.00	2.20	0.01	0.00
15.62	2.00	0.00	2.19	0.02	0.00	15.64	2.00	0.00	2.18	0.02	0.00
15.66	2.00	0.00	2.17	0.02	0.00	15.68	2.00	0.00	2.16	0.02	0.00
15.70	2.00	0.00	2.15	0.02	0.00	15.72	2.00	0.00	2.14	0.02	0.00
15.74	2.00	0.00	2.13	0.02	0.00	15.76	2.00	0.00	2.12	0.02	0.00
15.78	2.00	0.00	2.11	0.02	0.00	15.80	2.00	0.00	2.10	0.02	0.00
15.82	2.00	0.00	2.09	0.02	0.00	15.83	2.00	0.00	2.09	0.01	0.00
15.85	2.00	0.00	2.08	0.02	0.00	15.87	2.00	0.00	2.07	0.02	0.00
15.89	2.00	0.00	2.06	0.02	0.00	15.91	2.00	0.00	2.05	0.02	0.00
15.93	2.00	0.00	2.04	0.02	0.00	15.95	2.00	0.00	2.03	0.02	0.00
15.97	2.00	0.00	2.02	0.02	0.00	15.99	2.00	0.00	2.01	0.02	0.00
16.01	2.00	0.00	2.00	0.02	0.00	16.02	2.00	0.00	1.99	0.01	0.00
16.04	2.00	0.00	1.98	0.02	0.00	16.06	2.00	0.00	1.97	0.02	0.00
16.08	2.00	0.00	1.96	0.02	0.00	16.10	2.00	0.00	1.95	0.02	0.00
16.12	2.00	0.00	1.94	0.02	0.00	16.14	2.00	0.00	1.93	0.02	0.00
16.16	2.00	0.00	1.92	0.02	0.00	16.18	2.00	0.00	1.91	0.02	0.00
16.20	2.00	0.00	1.90	0.02	0.00	16.21	2.00	0.00	1.90	0.01	0.00
16.23	2.00	0.00	1.89	0.02	0.00	16.25	2.00	0.00	1.88	0.02	0.00
16.27	2.00	0.00	1.87	0.02	0.00	16.29	2.00	0.00	1.86	0.02	0.00
16.31	2.00	0.00	1.85	0.02	0.00	16.33	2.00	0.00	1.84	0.02	0.00
16.35	2.00	0.00	1.83	0.02	0.00	16.37	2.00	0.00	1.82	0.02	0.00
16.39	2.00	0.00	1.81	0.02	0.00	16.41	2.00	0.00	1.80	0.02	0.00
16.43	2.00	0.00	1.79	0.02	0.00	16.44	2.00	0.00	1.78	0.01	0.00
16.46	2.00	0.00	1.77	0.02	0.00	16.48	2.00	0.00	1.76	0.02	0.00
16.50	2.00	0.00	1.75	0.02	0.00	16.52	2.00	0.00	1.74	0.02	0.00
16.54	2.00	0.00	1.73	0.02	0.00	16.56	2.00	0.00	1.72	0.02	0.00
16.58	2.00	0.00	1.71	0.02	0.00	16.60	2.00	0.00	1.70	0.02	0.00
16.62	2.00	0.00	1.69	0.02	0.00	16.63	2.00	0.00	1.69	0.01	0.00
16.65	2.00	0.00	1.68	0.02	0.00	16.67	2.00	0.00	1.67	0.02	0.00
16.69	2.00	0.00	1.66	0.02	0.00	16.71	2.00	0.00	1.65	0.02	0.00
16.73	2.00	0.00	1.64	0.02	0.00	16.75	2.00	0.00	1.63	0.02	0.00
16.77	2.00	0.00	1.62	0.02	0.00	16.79	2.00	0.00	1.61	0.02	0.00
16.81	2.00	0.00	1.60	0.02	0.00	16.83	2.00	0.00	1.59	0.02	0.00
16.84	2.00	0.00	1.58	0.01	0.00	16.86	2.00	0.00	1.57	0.02	0.00
16.88	2.00	0.00	1.56	0.02	0.00	16.90	2.00	0.00	1.55	0.02	0.00
16.92	2.00	0.00	1.54	0.02	0.00	16.94	2.00	0.00	1.53	0.02	0.00
16.96	2.00	0.00	1.52	0.02	0.00	16.98	2.00	0.00	1.51	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
17.00	2.00	0.00	1.50	0.02	0.00	17.02	2.00	0.00	1.49	0.02	0.00
17.04	2.00	0.00	1.48	0.02	0.00	17.06	2.00	0.00	1.47	0.02	0.00
17.08	2.00	0.00	1.46	0.02	0.00	17.09	2.00	0.00	1.46	0.01	0.00
17.11	2.00	0.00	1.45	0.02	0.00	17.13	2.00	0.00	1.44	0.02	0.00
17.15	2.00	0.00	1.43	0.02	0.00	17.17	2.00	0.00	1.42	0.02	0.00
17.19	2.00	0.00	1.41	0.02	0.00	17.21	2.00	0.00	1.40	0.02	0.00
17.23	2.00	0.00	1.39	0.02	0.00	17.25	2.00	0.00	1.38	0.02	0.00
17.27	2.00	0.00	1.37	0.02	0.00	17.29	2.00	0.00	1.36	0.02	0.00
17.31	2.00	0.00	1.35	0.02	0.00	17.33	2.00	0.00	1.34	0.02	0.00
17.34	2.00	0.00	1.33	0.01	0.00	17.36	2.00	0.00	1.32	0.02	0.00
17.38	2.00	0.00	1.31	0.02	0.00	17.40	2.00	0.00	1.30	0.02	0.00
17.42	2.00	0.00	1.29	0.02	0.00	17.44	2.00	0.00	1.28	0.02	0.00
17.46	2.00	0.00	1.27	0.02	0.00	17.48	2.00	0.00	1.26	0.02	0.00
17.50	2.00	0.00	1.25	0.02	0.00	17.52	2.00	0.00	1.24	0.02	0.00
17.54	2.00	0.00	1.23	0.02	0.00	17.55	2.00	0.00	1.23	0.01	0.00
17.57	2.00	0.00	1.22	0.02	0.00	17.59	2.00	0.00	1.21	0.02	0.00
17.61	2.00	0.00	1.20	0.02	0.00	17.63	2.00	0.00	1.19	0.02	0.00
17.65	2.00	0.00	1.18	0.02	0.00	17.67	2.00	0.00	1.17	0.02	0.00
17.69	2.00	0.00	1.16	0.02	0.00	17.71	2.00	0.00	1.15	0.02	0.00
17.72	2.00	0.00	1.14	0.01	0.00	17.74	2.00	0.00	1.13	0.02	0.00
17.76	2.00	0.00	1.12	0.02	0.00	17.78	2.00	0.00	1.11	0.02	0.00
17.80	2.00	0.00	1.10	0.02	0.00	17.82	2.00	0.00	1.09	0.02	0.00
17.84	2.00	0.00	1.08	0.02	0.00	17.86	2.00	0.00	1.07	0.02	0.00
17.87	2.00	0.00	1.07	0.01	0.00	17.89	2.00	0.00	1.06	0.02	0.00
17.91	2.00	0.00	1.05	0.02	0.00	17.93	2.00	0.00	1.04	0.02	0.00
17.95	2.00	0.00	1.02	0.02	0.00	17.97	2.00	0.00	1.01	0.02	0.00
17.99	2.00	0.00	1.00	0.02	0.00	18.01	2.00	0.00	0.99	0.02	0.00
18.03	2.00	0.00	0.98	0.02	0.00	18.05	2.00	0.00	0.98	0.02	0.00
18.06	2.00	0.00	0.97	0.01	0.00	18.08	2.00	0.00	0.96	0.02	0.00
18.10	2.00	0.00	0.95	0.02	0.00	18.12	2.00	0.00	0.94	0.02	0.00
18.14	2.00	0.00	0.93	0.02	0.00	18.16	2.00	0.00	0.92	0.02	0.00
18.18	2.00	0.00	0.91	0.02	0.00	18.20	2.00	0.00	0.90	0.02	0.00
18.22	2.00	0.00	0.89	0.02	0.00	18.24	2.00	0.00	0.88	0.02	0.00
18.26	2.00	0.00	0.87	0.02	0.00	18.28	2.00	0.00	0.86	0.02	0.00
18.29	2.00	0.00	0.86	0.01	0.00	18.31	2.00	0.00	0.85	0.02	0.00
18.33	2.00	0.00	0.84	0.02	0.00	18.35	2.00	0.00	0.82	0.02	0.00
18.37	2.00	0.00	0.81	0.02	0.00	18.39	2.00	0.00	0.81	0.02	0.00
18.41	2.00	0.00	0.80	0.02	0.00	18.43	2.00	0.00	0.79	0.02	0.00
18.44	2.00	0.00	0.78	0.01	0.00	18.46	2.00	0.00	0.77	0.02	0.00
18.48	2.00	0.00	0.76	0.02	0.00	18.50	2.00	0.00	0.75	0.02	0.00
18.52	2.00	0.00	0.74	0.02	0.00	18.54	2.00	0.00	0.73	0.02	0.00
18.56	2.00	0.00	0.72	0.02	0.00	18.57	2.00	0.00	0.72	0.01	0.00
18.59	2.00	0.00	0.71	0.02	0.00	18.61	2.00	0.00	0.70	0.02	0.00
18.63	2.00	0.00	0.69	0.02	0.00	18.65	2.00	0.00	0.68	0.02	0.00
18.67	2.00	0.00	0.66	0.02	0.00	18.69	2.00	0.00	0.65	0.02	0.00
18.70	2.00	0.00	0.65	0.01	0.00	18.72	2.00	0.00	0.64	0.02	0.00
18.74	2.00	0.00	0.63	0.02	0.00	18.76	2.00	0.00	0.62	0.02	0.00
18.78	2.00	0.00	0.61	0.02	0.00	18.80	2.00	0.00	0.60	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
18.82	2.00	0.00	0.59	0.02	0.00	18.83	2.00	0.00	0.59	0.01	0.00
18.85	2.00	0.00	0.57	0.02	0.00	18.87	2.00	0.00	0.56	0.02	0.00
18.89	2.00	0.00	0.56	0.02	0.00	18.91	2.00	0.00	0.55	0.02	0.00
18.93	2.00	0.00	0.54	0.02	0.00	18.95	2.00	0.00	0.53	0.02	0.00
18.97	2.00	0.00	0.52	0.02	0.00	18.98	2.00	0.00	0.51	0.01	0.00
19.00	2.00	0.00	0.50	0.02	0.00	19.02	2.00	0.00	0.49	0.02	0.00

Overall liquefaction potential: 0.00

LPI = 0.00 - Liquefaction risk very low

LPI between 0.00 and 5.00 - Liquefaction risk low

LPI between 5.00 and 15.00 - Liquefaction risk high

LPI > 15.00 - Liquefaction risk very high

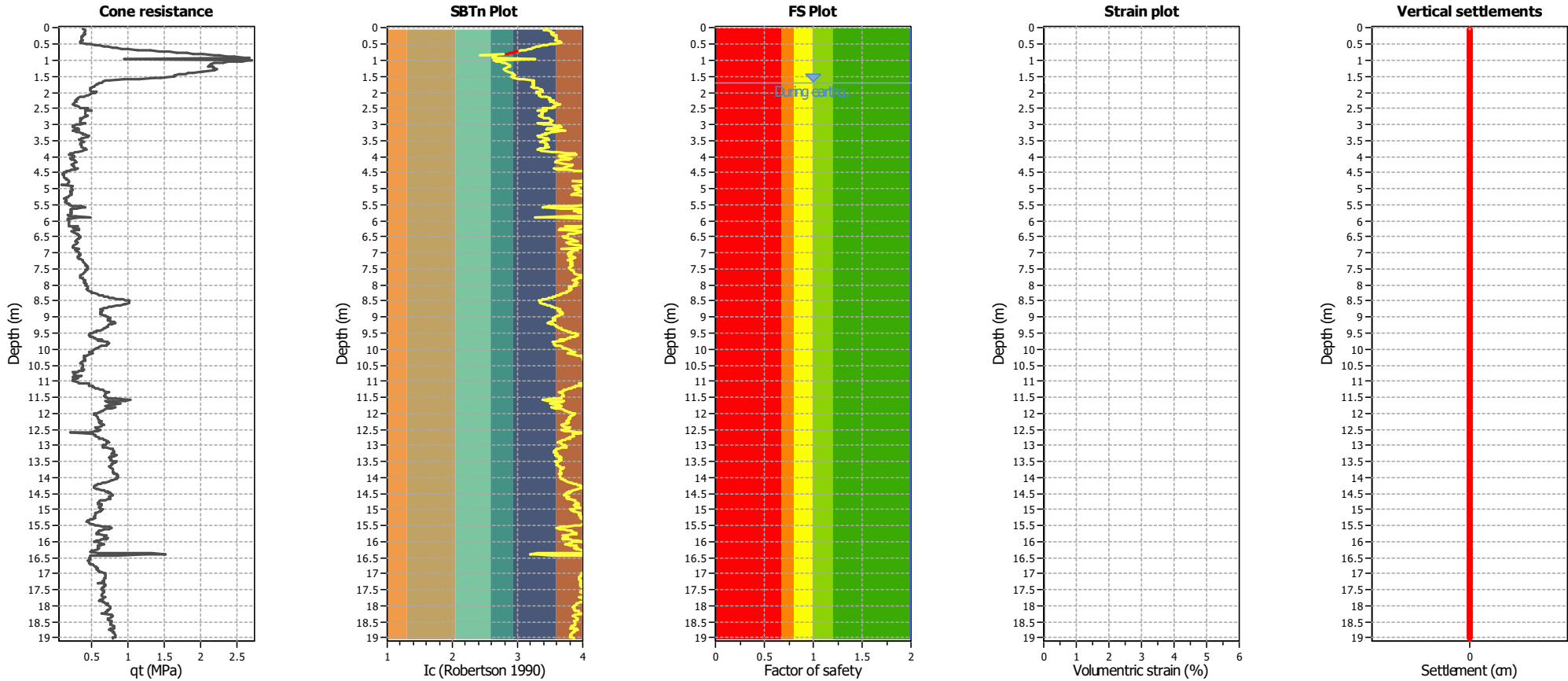
Abbreviations

FS: Calculated factor of safety for test point

F_L: 1 - FSw_z: Function value of the extend of soil liquefaction according to depthd_z: Layer thickness (m)

LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

- qt: Total cone resistance (cone resistance q_c corrected for pore water effects)
- I_c: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain

LIQUEFACTION ANALYSIS REPORT

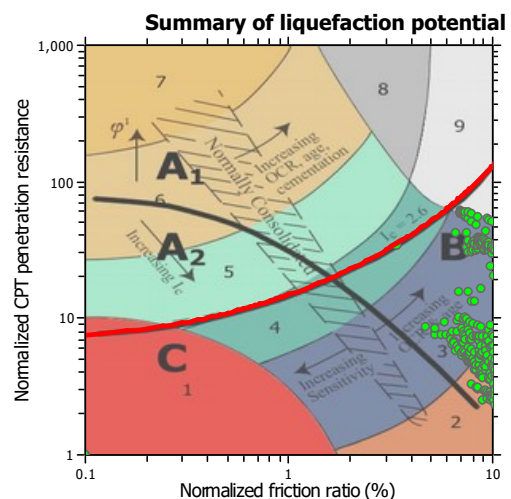
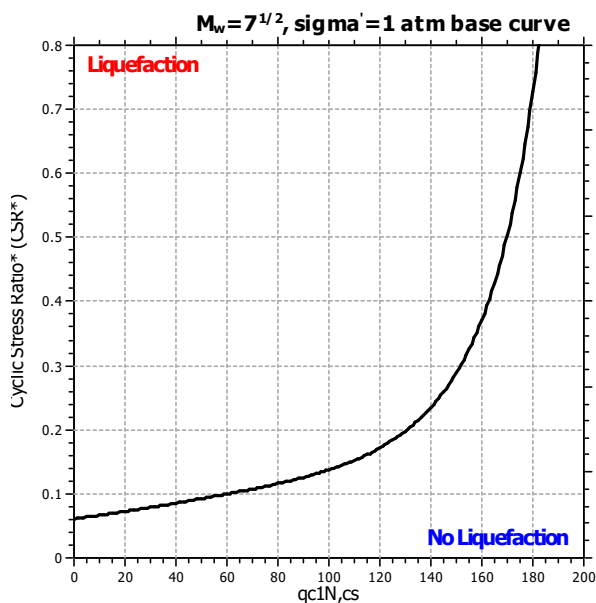
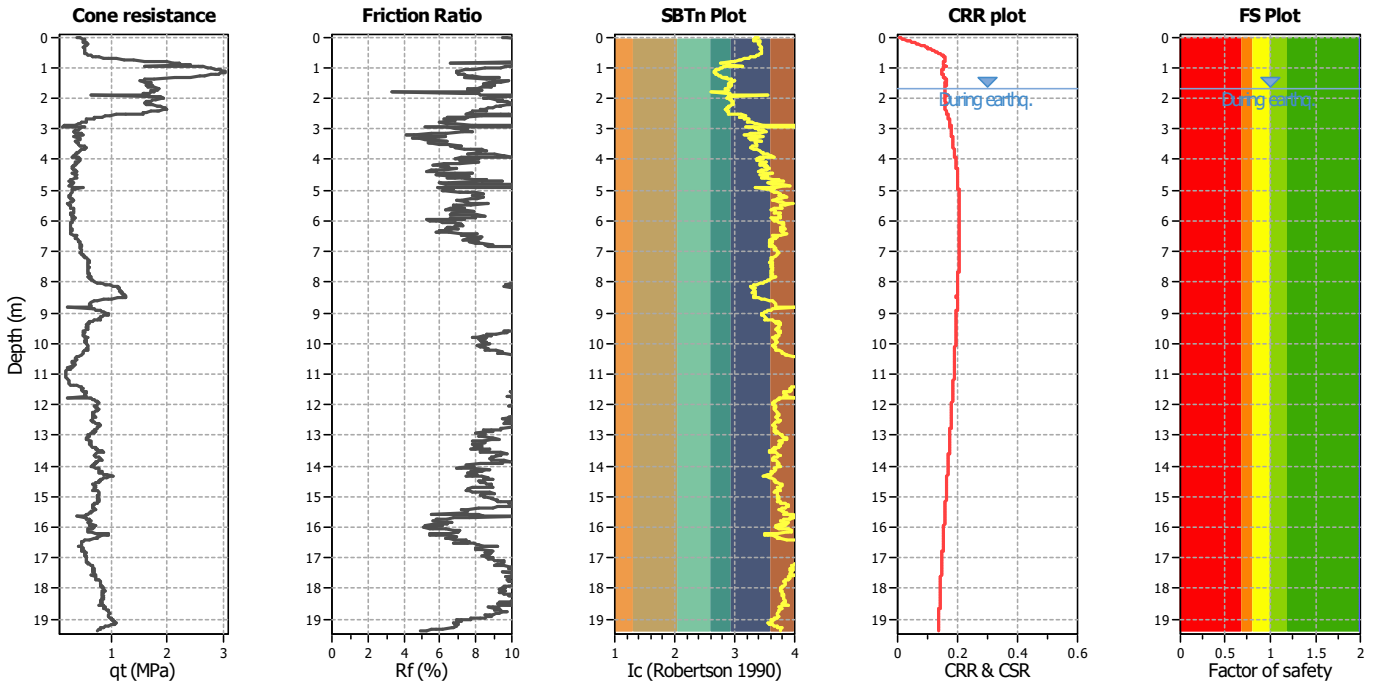
Project title : Piano aree produttive "Santa Caterina"

Location : Modena

CPT file : CPTu-3

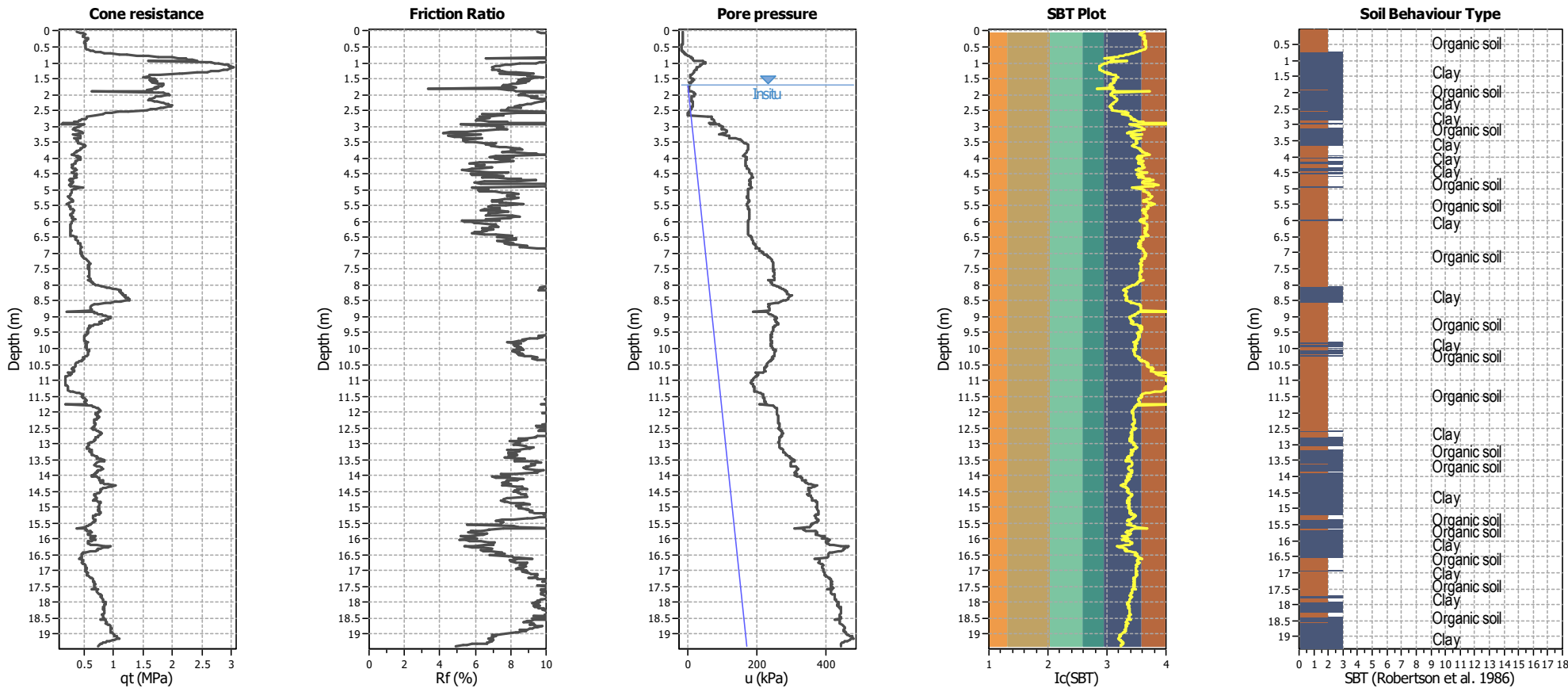
Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	1.70 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.70 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth applied:	No
Earthquake magnitude M_w :	5.98	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	Limit depth:	N/A
Peak ground acceleration:	0.25	Unit weight calculation:	Based on SBT	K_g applied:	No	MSF method:	Method based



Zone A₁: Cyclic liquefaction likely depending on size and duration of cyclic loading
 Zone A₂: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
 Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
 Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots

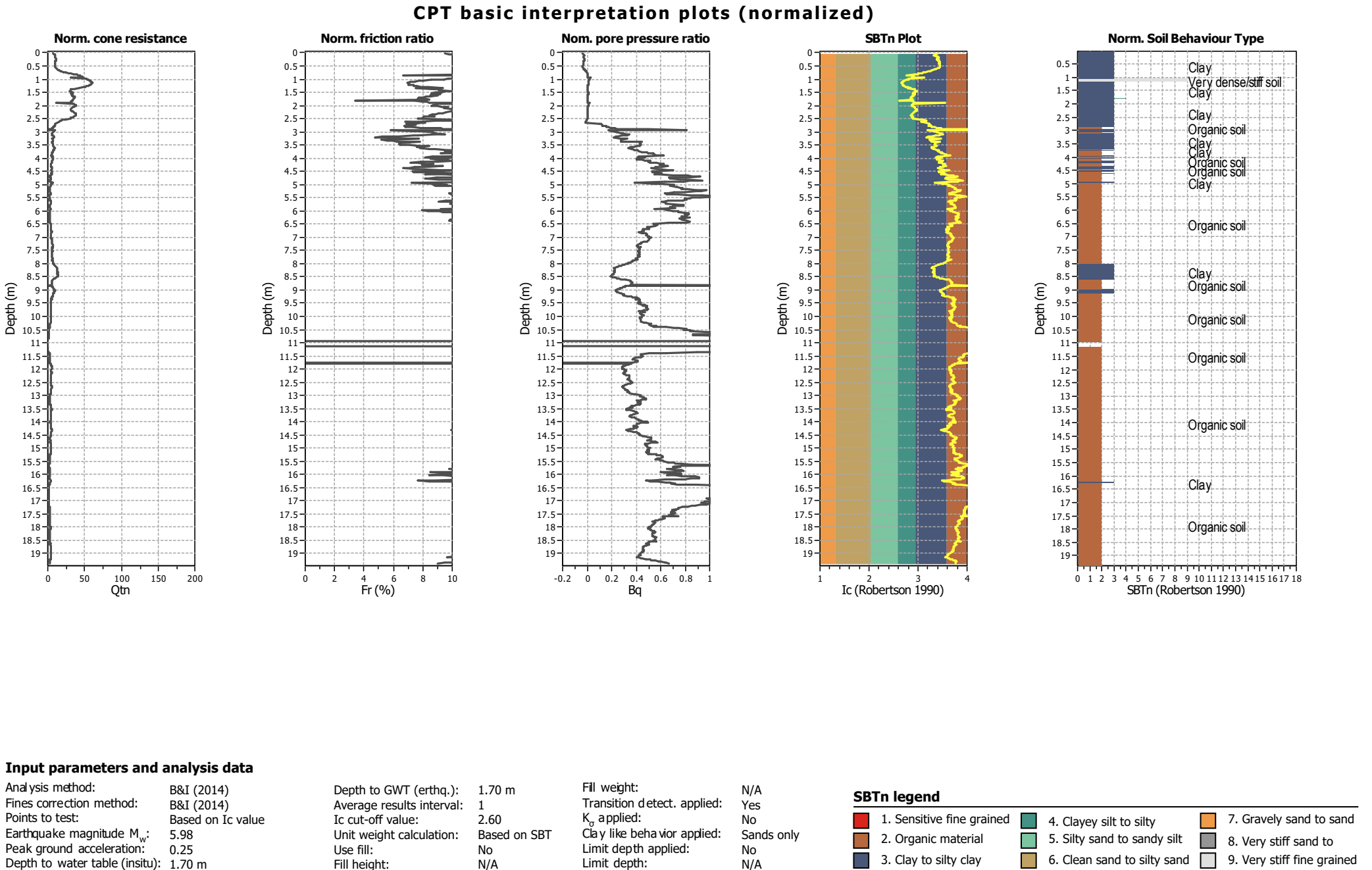


Input parameters and analysis data

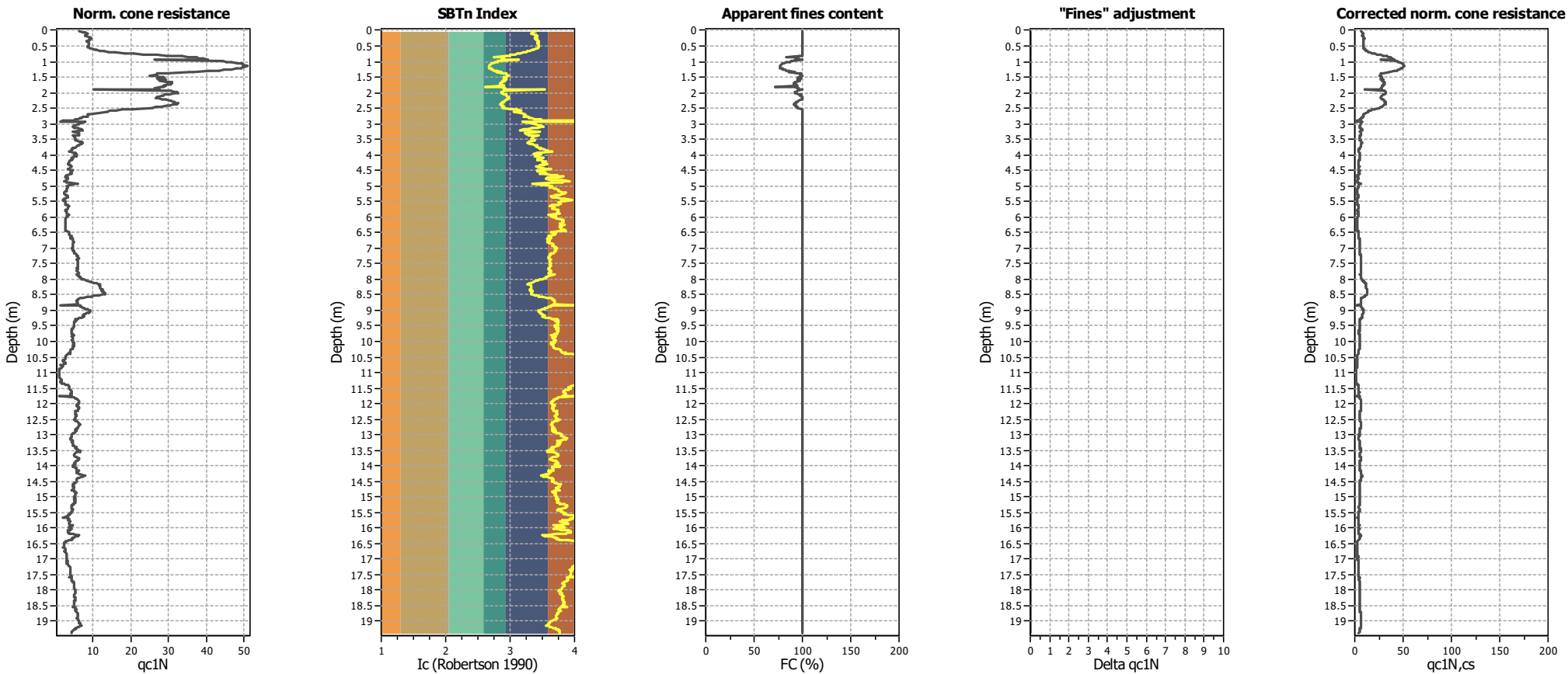
Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.70 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	Yes
Points to test:	Based on I_c value	I_c cut-off value:	2.60	K_0 applied:	No
Earthquake magnitude M_w :	5.98	Unit weight calculation:	Based on SBT	Clay like beha vior applied:	Sands only
Peak ground acceleration:	0.25	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.70 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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



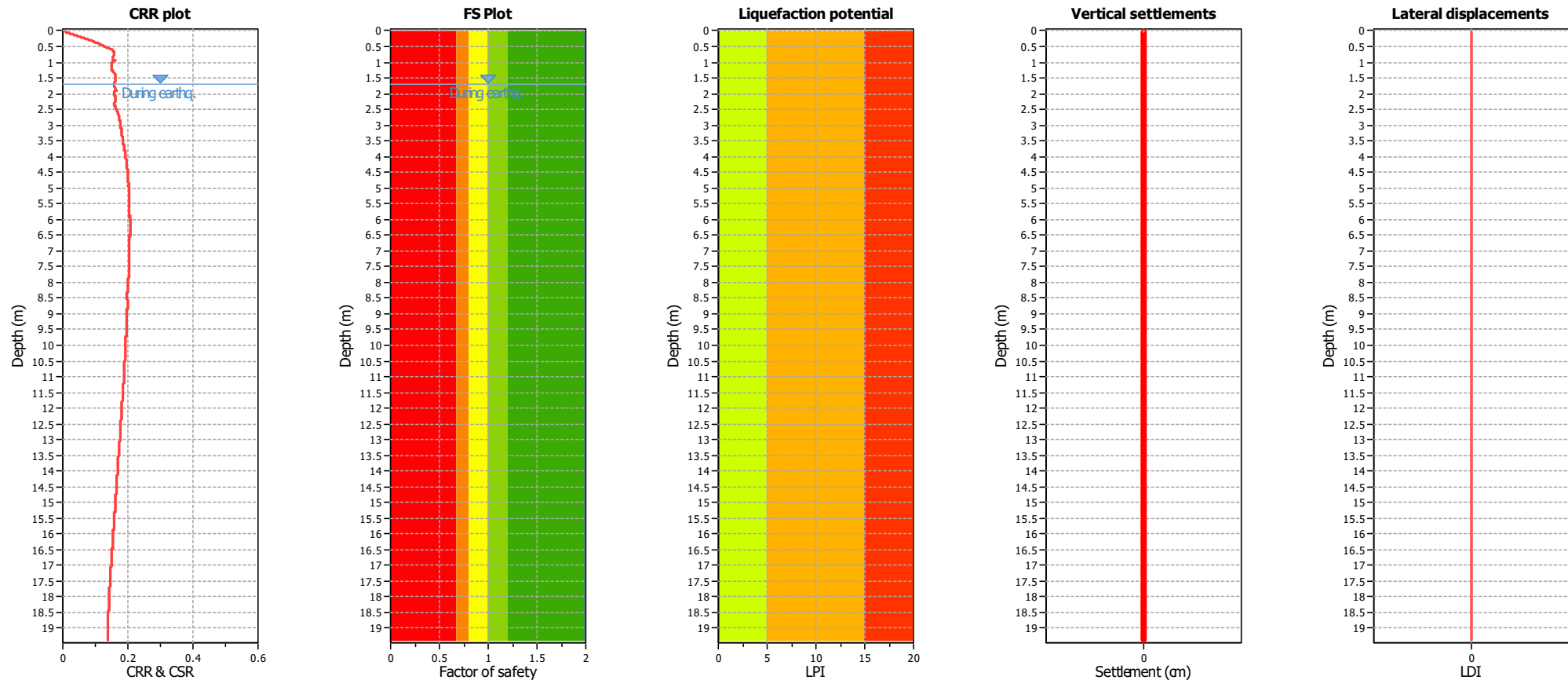
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.70 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	Yes
Points to test:	Based on I_c value	I_c cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w :	5.98	Unit weight calculation:	Based on SBT	Clay like beha vior applied:	Sands only
Peak ground acceleration:	0.25	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.70 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.70 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_0 applied:	No
Earthquake magnitude M_w :	5.98	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.25	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.70 m	Fill height:	N/A	Limit depth:	N/A

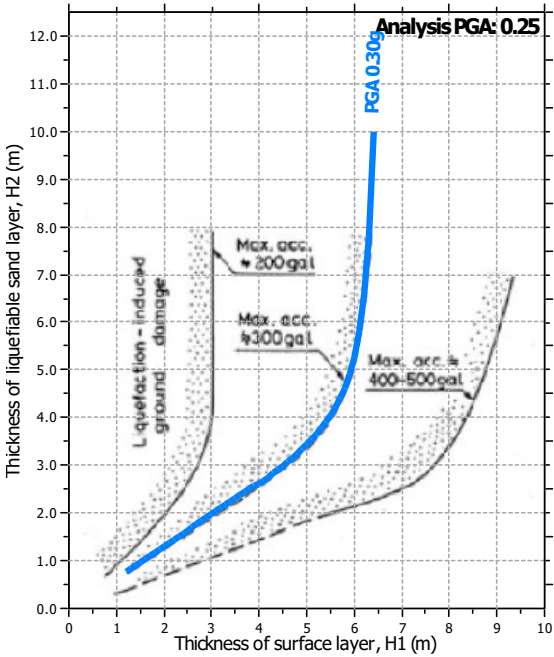
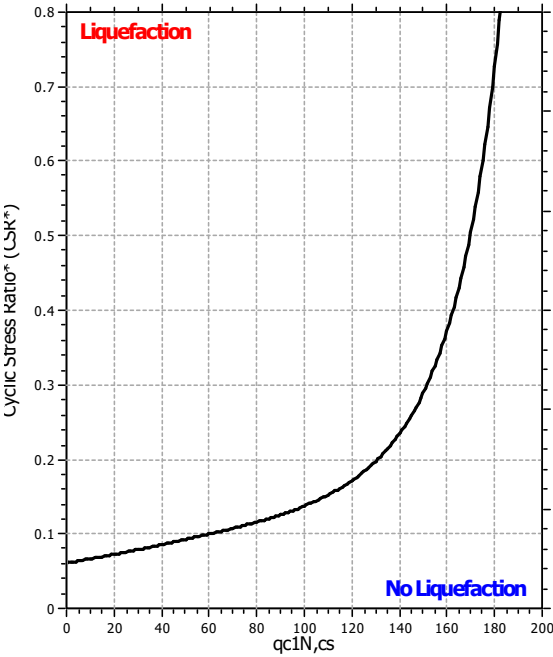
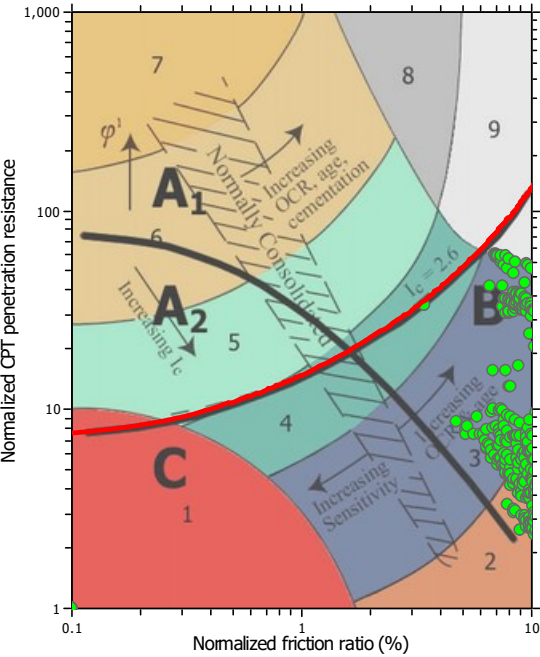
F.S. color scheme

	Almost certain it will liquefy
	Very likely to liquefy
	Liquefaction and no liq. are equally likely
	Unlike to liquefy
	Almost certain it will not liquefy

LPI color scheme

	Very high risk
	High risk
	Low risk

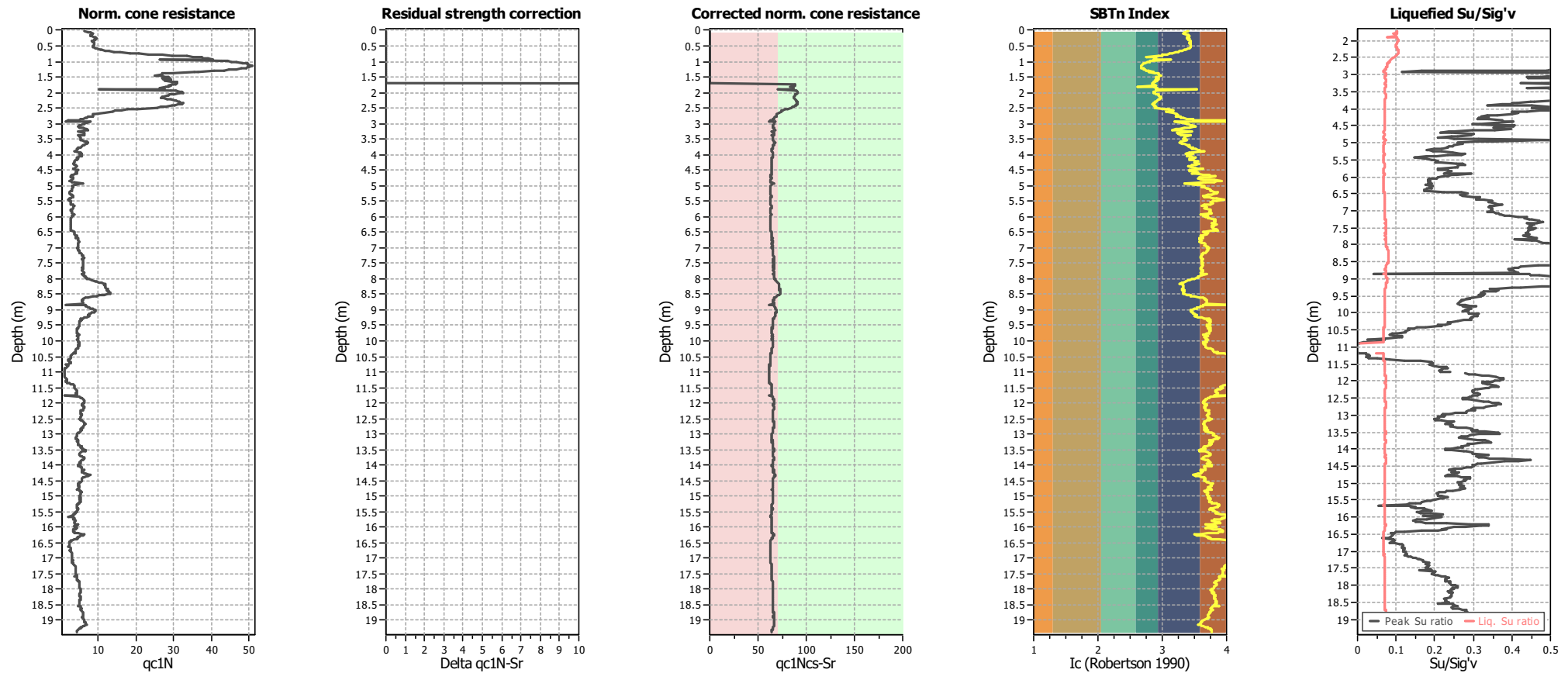
Liquefaction analysis summary plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.70 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	Yes
Points to test:	Based on I_c value	I_c cut-off value:	2.60	K_0 applied:	No
Earthquake magnitude M_w :	5.98	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.25	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.70 m	Fill height:	N/A	Limit depth:	N/A

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.70 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _g applied:	No
Earthquake magnitude M _w :	5.98	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.25	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.70 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
0.02	2.00	0.00	9.99	0.02	0.00	0.04	2.00	0.00	9.98	0.02	0.00
0.06	2.00	0.00	9.97	0.02	0.00	0.08	2.00	0.00	9.96	0.02	0.00
0.10	2.00	0.00	9.95	0.02	0.00	0.12	2.00	0.00	9.94	0.02	0.00
0.14	2.00	0.00	9.93	0.02	0.00	0.16	2.00	0.00	9.92	0.02	0.00
0.18	2.00	0.00	9.91	0.02	0.00	0.20	2.00	0.00	9.90	0.02	0.00
0.22	2.00	0.00	9.89	0.02	0.00	0.24	2.00	0.00	9.88	0.02	0.00
0.26	2.00	0.00	9.87	0.02	0.00	0.28	2.00	0.00	9.86	0.02	0.00
0.30	2.00	0.00	9.85	0.02	0.00	0.32	2.00	0.00	9.84	0.02	0.00
0.34	2.00	0.00	9.83	0.02	0.00	0.36	2.00	0.00	9.82	0.02	0.00
0.38	2.00	0.00	9.81	0.02	0.00	0.40	2.00	0.00	9.80	0.02	0.00
0.42	2.00	0.00	9.79	0.02	0.00	0.44	2.00	0.00	9.78	0.02	0.00
0.46	2.00	0.00	9.77	0.02	0.00	0.48	2.00	0.00	9.76	0.02	0.00
0.50	2.00	0.00	9.75	0.02	0.00	0.52	2.00	0.00	9.74	0.02	0.00
0.54	2.00	0.00	9.73	0.02	0.00	0.56	2.00	0.00	9.72	0.02	0.00
0.58	2.00	0.00	9.71	0.02	0.00	0.60	2.00	0.00	9.70	0.02	0.00
0.62	2.00	0.00	9.69	0.02	0.00	0.64	2.00	0.00	9.68	0.02	0.00
0.66	2.00	0.00	9.67	0.02	0.00	0.68	2.00	0.00	9.66	0.02	0.00
0.70	2.00	0.00	9.65	0.02	0.00	0.72	2.00	0.00	9.64	0.02	0.00
0.74	2.00	0.00	9.63	0.02	0.00	0.76	2.00	0.00	9.62	0.02	0.00
0.78	2.00	0.00	9.61	0.02	0.00	0.80	2.00	0.00	9.60	0.02	0.00
0.82	2.00	0.00	9.59	0.02	0.00	0.84	2.00	0.00	9.58	0.02	0.00
0.86	2.00	0.00	9.57	0.02	0.00	0.88	2.00	0.00	9.56	0.02	0.00
0.90	2.00	0.00	9.55	0.02	0.00	0.92	2.00	0.00	9.54	0.02	0.00
0.94	2.00	0.00	9.53	0.02	0.00	0.96	2.00	0.00	9.52	0.02	0.00
0.98	2.00	0.00	9.51	0.02	0.00	1.00	2.00	0.00	9.50	0.02	0.00
1.02	2.00	0.00	9.49	0.02	0.00	1.04	2.00	0.00	9.48	0.02	0.00
1.06	2.00	0.00	9.47	0.02	0.00	1.08	2.00	0.00	9.46	0.02	0.00
1.10	2.00	0.00	9.45	0.02	0.00	1.12	2.00	0.00	9.44	0.02	0.00
1.14	2.00	0.00	9.43	0.02	0.00	1.16	2.00	0.00	9.42	0.02	0.00
1.18	2.00	0.00	9.41	0.02	0.00	1.20	2.00	0.00	9.40	0.02	0.00
1.22	2.00	0.00	9.39	0.02	0.00	1.24	2.00	0.00	9.38	0.02	0.00
1.26	2.00	0.00	9.37	0.02	0.00	1.28	2.00	0.00	9.36	0.02	0.00
1.30	2.00	0.00	9.35	0.02	0.00	1.32	2.00	0.00	9.34	0.02	0.00
1.34	2.00	0.00	9.33	0.02	0.00	1.36	2.00	0.00	9.32	0.02	0.00
1.38	2.00	0.00	9.31	0.02	0.00	1.40	2.00	0.00	9.30	0.02	0.00
1.42	2.00	0.00	9.29	0.02	0.00	1.44	2.00	0.00	9.28	0.02	0.00
1.46	2.00	0.00	9.27	0.02	0.00	1.48	2.00	0.00	9.26	0.02	0.00
1.50	2.00	0.00	9.25	0.02	0.00	1.52	2.00	0.00	9.24	0.02	0.00
1.54	2.00	0.00	9.23	0.02	0.00	1.56	2.00	0.00	9.22	0.02	0.00
1.58	2.00	0.00	9.21	0.02	0.00	1.60	2.00	0.00	9.20	0.02	0.00
1.62	2.00	0.00	9.19	0.02	0.00	1.64	2.00	0.00	9.18	0.02	0.00
1.66	2.00	0.00	9.17	0.02	0.00	1.68	2.00	0.00	9.16	0.02	0.00
1.70	2.00	0.00	9.15	0.02	0.00	1.72	2.00	0.00	9.14	0.02	0.00
1.74	2.00	0.00	9.13	0.02	0.00	1.76	2.00	0.00	9.12	0.02	0.00
1.78	2.00	0.00	9.11	0.02	0.00	1.80	2.00	0.00	9.10	0.02	0.00
1.82	2.00	0.00	9.09	0.02	0.00	1.84	2.00	0.00	9.08	0.02	0.00
1.86	2.00	0.00	9.07	0.02	0.00	1.88	2.00	0.00	9.06	0.02	0.00
1.90	2.00	0.00	9.05	0.02	0.00	1.92	2.00	0.00	9.04	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
1.94	2.00	0.00	9.03	0.02	0.00	1.96	2.00	0.00	9.02	0.02	0.00
1.98	2.00	0.00	9.01	0.02	0.00	2.00	2.00	0.00	9.00	0.02	0.00
2.02	2.00	0.00	8.99	0.02	0.00	2.04	2.00	0.00	8.98	0.02	0.00
2.06	2.00	0.00	8.97	0.02	0.00	2.08	2.00	0.00	8.96	0.02	0.00
2.10	2.00	0.00	8.95	0.02	0.00	2.12	2.00	0.00	8.94	0.02	0.00
2.14	2.00	0.00	8.93	0.02	0.00	2.16	2.00	0.00	8.92	0.02	0.00
2.18	2.00	0.00	8.91	0.02	0.00	2.20	2.00	0.00	8.90	0.02	0.00
2.22	2.00	0.00	8.89	0.02	0.00	2.24	2.00	0.00	8.88	0.02	0.00
2.26	2.00	0.00	8.87	0.02	0.00	2.28	2.00	0.00	8.86	0.02	0.00
2.30	2.00	0.00	8.85	0.02	0.00	2.32	2.00	0.00	8.84	0.02	0.00
2.34	2.00	0.00	8.83	0.02	0.00	2.36	2.00	0.00	8.82	0.02	0.00
2.38	2.00	0.00	8.81	0.02	0.00	2.40	2.00	0.00	8.80	0.02	0.00
2.42	2.00	0.00	8.79	0.02	0.00	2.44	2.00	0.00	8.78	0.02	0.00
2.46	2.00	0.00	8.77	0.02	0.00	2.48	2.00	0.00	8.76	0.02	0.00
2.50	2.00	0.00	8.75	0.02	0.00	2.52	2.00	0.00	8.74	0.02	0.00
2.54	2.00	0.00	8.73	0.02	0.00	2.56	2.00	0.00	8.72	0.02	0.00
2.58	2.00	0.00	8.71	0.02	0.00	2.60	2.00	0.00	8.70	0.02	0.00
2.62	2.00	0.00	8.69	0.02	0.00	2.64	2.00	0.00	8.68	0.02	0.00
2.66	2.00	0.00	8.67	0.02	0.00	2.68	2.00	0.00	8.66	0.02	0.00
2.70	2.00	0.00	8.65	0.02	0.00	2.72	2.00	0.00	8.64	0.02	0.00
2.74	2.00	0.00	8.63	0.02	0.00	2.76	2.00	0.00	8.62	0.02	0.00
2.78	2.00	0.00	8.61	0.02	0.00	2.80	2.00	0.00	8.60	0.02	0.00
2.82	2.00	0.00	8.59	0.02	0.00	2.84	2.00	0.00	8.58	0.02	0.00
2.86	2.00	0.00	8.57	0.02	0.00	2.88	2.00	0.00	8.56	0.02	0.00
2.90	2.00	0.00	8.55	0.02	0.00	2.92	2.00	0.00	8.54	0.02	0.00
2.94	2.00	0.00	8.53	0.02	0.00	2.96	2.00	0.00	8.52	0.02	0.00
2.98	2.00	0.00	8.51	0.02	0.00	3.00	2.00	0.00	8.50	0.02	0.00
3.02	2.00	0.00	8.49	0.02	0.00	3.04	2.00	0.00	8.48	0.02	0.00
3.06	2.00	0.00	8.47	0.02	0.00	3.08	2.00	0.00	8.46	0.02	0.00
3.10	2.00	0.00	8.45	0.02	0.00	3.12	2.00	0.00	8.44	0.02	0.00
3.14	2.00	0.00	8.43	0.02	0.00	3.16	2.00	0.00	8.42	0.02	0.00
3.18	2.00	0.00	8.41	0.02	0.00	3.20	2.00	0.00	8.40	0.02	0.00
3.22	2.00	0.00	8.39	0.02	0.00	3.24	2.00	0.00	8.38	0.02	0.00
3.26	2.00	0.00	8.37	0.02	0.00	3.28	2.00	0.00	8.36	0.02	0.00
3.30	2.00	0.00	8.35	0.02	0.00	3.32	2.00	0.00	8.34	0.02	0.00
3.34	2.00	0.00	8.33	0.02	0.00	3.36	2.00	0.00	8.32	0.02	0.00
3.38	2.00	0.00	8.31	0.02	0.00	3.40	2.00	0.00	8.30	0.02	0.00
3.42	2.00	0.00	8.29	0.02	0.00	3.44	2.00	0.00	8.28	0.02	0.00
3.46	2.00	0.00	8.27	0.02	0.00	3.48	2.00	0.00	8.26	0.02	0.00
3.50	2.00	0.00	8.25	0.02	0.00	3.52	2.00	0.00	8.24	0.02	0.00
3.54	2.00	0.00	8.23	0.02	0.00	3.56	2.00	0.00	8.22	0.02	0.00
3.58	2.00	0.00	8.21	0.02	0.00	3.60	2.00	0.00	8.20	0.02	0.00
3.62	2.00	0.00	8.19	0.02	0.00	3.64	2.00	0.00	8.18	0.02	0.00
3.66	2.00	0.00	8.17	0.02	0.00	3.68	2.00	0.00	8.16	0.02	0.00
3.70	2.00	0.00	8.15	0.02	0.00	3.72	2.00	0.00	8.14	0.02	0.00
3.74	2.00	0.00	8.13	0.02	0.00	3.76	2.00	0.00	8.12	0.02	0.00
3.78	2.00	0.00	8.11	0.02	0.00	3.80	2.00	0.00	8.10	0.02	0.00
3.82	2.00	0.00	8.09	0.02	0.00	3.84	2.00	0.00	8.08	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
3.86	2.00	0.00	8.07	0.02	0.00	3.88	2.00	0.00	8.06	0.02	0.00
3.90	2.00	0.00	8.05	0.02	0.00	3.92	2.00	0.00	8.04	0.02	0.00
3.94	2.00	0.00	8.03	0.02	0.00	3.96	2.00	0.00	8.02	0.02	0.00
3.98	2.00	0.00	8.01	0.02	0.00	4.00	2.00	0.00	8.00	0.02	0.00
4.02	2.00	0.00	7.99	0.02	0.00	4.04	2.00	0.00	7.98	0.02	0.00
4.06	2.00	0.00	7.97	0.02	0.00	4.08	2.00	0.00	7.96	0.02	0.00
4.10	2.00	0.00	7.95	0.02	0.00	4.12	2.00	0.00	7.94	0.02	0.00
4.14	2.00	0.00	7.93	0.02	0.00	4.16	2.00	0.00	7.92	0.02	0.00
4.18	2.00	0.00	7.91	0.02	0.00	4.20	2.00	0.00	7.90	0.02	0.00
4.22	2.00	0.00	7.89	0.02	0.00	4.24	2.00	0.00	7.88	0.02	0.00
4.26	2.00	0.00	7.87	0.02	0.00	4.28	2.00	0.00	7.86	0.02	0.00
4.30	2.00	0.00	7.85	0.02	0.00	4.32	2.00	0.00	7.84	0.02	0.00
4.34	2.00	0.00	7.83	0.02	0.00	4.36	2.00	0.00	7.82	0.02	0.00
4.38	2.00	0.00	7.81	0.02	0.00	4.40	2.00	0.00	7.80	0.02	0.00
4.42	2.00	0.00	7.79	0.02	0.00	4.44	2.00	0.00	7.78	0.02	0.00
4.46	2.00	0.00	7.77	0.02	0.00	4.48	2.00	0.00	7.76	0.02	0.00
4.50	2.00	0.00	7.75	0.02	0.00	4.52	2.00	0.00	7.74	0.02	0.00
4.54	2.00	0.00	7.73	0.02	0.00	4.56	2.00	0.00	7.72	0.02	0.00
4.58	2.00	0.00	7.71	0.02	0.00	4.60	2.00	0.00	7.70	0.02	0.00
4.62	2.00	0.00	7.69	0.02	0.00	4.64	2.00	0.00	7.68	0.02	0.00
4.66	2.00	0.00	7.67	0.02	0.00	4.68	2.00	0.00	7.66	0.02	0.00
4.70	2.00	0.00	7.65	0.02	0.00	4.72	2.00	0.00	7.64	0.02	0.00
4.74	2.00	0.00	7.63	0.02	0.00	4.76	2.00	0.00	7.62	0.02	0.00
4.78	2.00	0.00	7.61	0.02	0.00	4.80	2.00	0.00	7.60	0.02	0.00
4.82	2.00	0.00	7.59	0.02	0.00	4.84	2.00	0.00	7.58	0.02	0.00
4.86	2.00	0.00	7.57	0.02	0.00	4.88	2.00	0.00	7.56	0.02	0.00
4.90	2.00	0.00	7.55	0.02	0.00	4.92	2.00	0.00	7.54	0.02	0.00
4.93	2.00	0.00	7.54	0.01	0.00	4.95	2.00	0.00	7.53	0.02	0.00
4.97	2.00	0.00	7.52	0.02	0.00	4.99	2.00	0.00	7.51	0.02	0.00
5.01	2.00	0.00	7.50	0.02	0.00	5.03	2.00	0.00	7.49	0.02	0.00
5.05	2.00	0.00	7.48	0.02	0.00	5.07	2.00	0.00	7.47	0.02	0.00
5.09	2.00	0.00	7.46	0.02	0.00	5.11	2.00	0.00	7.45	0.02	0.00
5.13	2.00	0.00	7.44	0.02	0.00	5.15	2.00	0.00	7.43	0.02	0.00
5.17	2.00	0.00	7.42	0.02	0.00	5.19	2.00	0.00	7.41	0.02	0.00
5.21	2.00	0.00	7.40	0.02	0.00	5.23	2.00	0.00	7.39	0.02	0.00
5.25	2.00	0.00	7.38	0.02	0.00	5.27	2.00	0.00	7.37	0.02	0.00
5.29	2.00	0.00	7.36	0.02	0.00	5.31	2.00	0.00	7.35	0.02	0.00
5.33	2.00	0.00	7.34	0.02	0.00	5.35	2.00	0.00	7.33	0.02	0.00
5.37	2.00	0.00	7.32	0.02	0.00	5.39	2.00	0.00	7.31	0.02	0.00
5.41	2.00	0.00	7.30	0.02	0.00	5.43	2.00	0.00	7.29	0.02	0.00
5.45	2.00	0.00	7.28	0.02	0.00	5.47	2.00	0.00	7.27	0.02	0.00
5.49	2.00	0.00	7.26	0.02	0.00	5.51	2.00	0.00	7.25	0.02	0.00
5.53	2.00	0.00	7.24	0.02	0.00	5.55	2.00	0.00	7.23	0.02	0.00
5.57	2.00	0.00	7.22	0.02	0.00	5.59	2.00	0.00	7.21	0.02	0.00
5.61	2.00	0.00	7.20	0.02	0.00	5.63	2.00	0.00	7.19	0.02	0.00
5.65	2.00	0.00	7.18	0.02	0.00	5.67	2.00	0.00	7.17	0.02	0.00
5.69	2.00	0.00	7.16	0.02	0.00	5.71	2.00	0.00	7.15	0.02	0.00
5.73	2.00	0.00	7.14	0.02	0.00	5.75	2.00	0.00	7.13	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
5.77	2.00	0.00	7.12	0.02	0.00	5.79	2.00	0.00	7.11	0.02	0.00
5.81	2.00	0.00	7.10	0.02	0.00	5.83	2.00	0.00	7.09	0.02	0.00
5.85	2.00	0.00	7.08	0.02	0.00	5.87	2.00	0.00	7.07	0.02	0.00
5.89	2.00	0.00	7.06	0.02	0.00	5.91	2.00	0.00	7.05	0.02	0.00
5.93	2.00	0.00	7.04	0.02	0.00	5.95	2.00	0.00	7.03	0.02	0.00
5.97	2.00	0.00	7.02	0.02	0.00	5.99	2.00	0.00	7.01	0.02	0.00
6.01	2.00	0.00	7.00	0.02	0.00	6.03	2.00	0.00	6.99	0.02	0.00
6.05	2.00	0.00	6.98	0.02	0.00	6.07	2.00	0.00	6.97	0.02	0.00
6.09	2.00	0.00	6.96	0.02	0.00	6.11	2.00	0.00	6.95	0.02	0.00
6.13	2.00	0.00	6.94	0.02	0.00	6.15	2.00	0.00	6.93	0.02	0.00
6.17	2.00	0.00	6.92	0.02	0.00	6.19	2.00	0.00	6.91	0.02	0.00
6.21	2.00	0.00	6.90	0.02	0.00	6.23	2.00	0.00	6.89	0.02	0.00
6.25	2.00	0.00	6.88	0.02	0.00	6.27	2.00	0.00	6.87	0.02	0.00
6.29	2.00	0.00	6.86	0.02	0.00	6.31	2.00	0.00	6.85	0.02	0.00
6.33	2.00	0.00	6.84	0.02	0.00	6.35	2.00	0.00	6.83	0.02	0.00
6.37	2.00	0.00	6.82	0.02	0.00	6.39	2.00	0.00	6.81	0.02	0.00
6.41	2.00	0.00	6.80	0.02	0.00	6.43	2.00	0.00	6.79	0.02	0.00
6.45	2.00	0.00	6.78	0.02	0.00	6.47	2.00	0.00	6.77	0.02	0.00
6.49	2.00	0.00	6.76	0.02	0.00	6.51	2.00	0.00	6.75	0.02	0.00
6.53	2.00	0.00	6.74	0.02	0.00	6.55	2.00	0.00	6.73	0.02	0.00
6.57	2.00	0.00	6.72	0.02	0.00	6.59	2.00	0.00	6.71	0.02	0.00
6.61	2.00	0.00	6.70	0.02	0.00	6.63	2.00	0.00	6.69	0.02	0.00
6.65	2.00	0.00	6.68	0.02	0.00	6.67	2.00	0.00	6.67	0.02	0.00
6.68	2.00	0.00	6.66	0.01	0.00	6.70	2.00	0.00	6.65	0.02	0.00
6.72	2.00	0.00	6.64	0.02	0.00	6.74	2.00	0.00	6.63	0.02	0.00
6.76	2.00	0.00	6.62	0.02	0.00	6.78	2.00	0.00	6.61	0.02	0.00
6.80	2.00	0.00	6.60	0.02	0.00	6.82	2.00	0.00	6.59	0.02	0.00
6.84	2.00	0.00	6.58	0.02	0.00	6.86	2.00	0.00	6.57	0.02	0.00
6.88	2.00	0.00	6.56	0.02	0.00	6.90	2.00	0.00	6.55	0.02	0.00
6.92	2.00	0.00	6.54	0.02	0.00	6.94	2.00	0.00	6.53	0.02	0.00
6.96	2.00	0.00	6.52	0.02	0.00	6.98	2.00	0.00	6.51	0.02	0.00
7.00	2.00	0.00	6.50	0.02	0.00	7.02	2.00	0.00	6.49	0.02	0.00
7.04	2.00	0.00	6.48	0.02	0.00	7.06	2.00	0.00	6.47	0.02	0.00
7.08	2.00	0.00	6.46	0.02	0.00	7.10	2.00	0.00	6.45	0.02	0.00
7.12	2.00	0.00	6.44	0.02	0.00	7.14	2.00	0.00	6.43	0.02	0.00
7.16	2.00	0.00	6.42	0.02	0.00	7.18	2.00	0.00	6.41	0.02	0.00
7.20	2.00	0.00	6.40	0.02	0.00	7.22	2.00	0.00	6.39	0.02	0.00
7.24	2.00	0.00	6.38	0.02	0.00	7.26	2.00	0.00	6.37	0.02	0.00
7.28	2.00	0.00	6.36	0.02	0.00	7.30	2.00	0.00	6.35	0.02	0.00
7.32	2.00	0.00	6.34	0.02	0.00	7.34	2.00	0.00	6.33	0.02	0.00
7.36	2.00	0.00	6.32	0.02	0.00	7.38	2.00	0.00	6.31	0.02	0.00
7.40	2.00	0.00	6.30	0.02	0.00	7.42	2.00	0.00	6.29	0.02	0.00
7.44	2.00	0.00	6.28	0.02	0.00	7.46	2.00	0.00	6.27	0.02	0.00
7.48	2.00	0.00	6.26	0.02	0.00	7.50	2.00	0.00	6.25	0.02	0.00
7.52	2.00	0.00	6.24	0.02	0.00	7.54	2.00	0.00	6.23	0.02	0.00
7.56	2.00	0.00	6.22	0.02	0.00	7.58	2.00	0.00	6.21	0.02	0.00
7.60	2.00	0.00	6.20	0.02	0.00	7.62	2.00	0.00	6.19	0.02	0.00
7.64	2.00	0.00	6.18	0.02	0.00	7.66	2.00	0.00	6.17	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
7.68	2.00	0.00	6.16	0.02	0.00	7.70	2.00	0.00	6.15	0.02	0.00
7.72	2.00	0.00	6.14	0.02	0.00	7.74	2.00	0.00	6.13	0.02	0.00
7.76	2.00	0.00	6.12	0.02	0.00	7.77	2.00	0.00	6.12	0.01	0.00
7.79	2.00	0.00	6.11	0.02	0.00	7.81	2.00	0.00	6.10	0.02	0.00
7.83	2.00	0.00	6.09	0.02	0.00	7.85	2.00	0.00	6.08	0.02	0.00
7.87	2.00	0.00	6.07	0.02	0.00	7.89	2.00	0.00	6.06	0.02	0.00
7.91	2.00	0.00	6.05	0.02	0.00	7.93	2.00	0.00	6.04	0.02	0.00
7.95	2.00	0.00	6.03	0.02	0.00	7.97	2.00	0.00	6.02	0.02	0.00
7.99	2.00	0.00	6.01	0.02	0.00	8.01	2.00	0.00	6.00	0.02	0.00
8.03	2.00	0.00	5.99	0.02	0.00	8.05	2.00	0.00	5.98	0.02	0.00
8.07	2.00	0.00	5.97	0.02	0.00	8.09	2.00	0.00	5.96	0.02	0.00
8.11	2.00	0.00	5.95	0.02	0.00	8.13	2.00	0.00	5.94	0.02	0.00
8.15	2.00	0.00	5.93	0.02	0.00	8.17	2.00	0.00	5.92	0.02	0.00
8.19	2.00	0.00	5.91	0.02	0.00	8.21	2.00	0.00	5.90	0.02	0.00
8.23	2.00	0.00	5.89	0.02	0.00	8.25	2.00	0.00	5.88	0.02	0.00
8.27	2.00	0.00	5.87	0.02	0.00	8.29	2.00	0.00	5.86	0.02	0.00
8.31	2.00	0.00	5.85	0.02	0.00	8.33	2.00	0.00	5.84	0.02	0.00
8.35	2.00	0.00	5.83	0.02	0.00	8.37	2.00	0.00	5.82	0.02	0.00
8.39	2.00	0.00	5.81	0.02	0.00	8.41	2.00	0.00	5.80	0.02	0.00
8.42	2.00	0.00	5.79	0.01	0.00	8.44	2.00	0.00	5.78	0.02	0.00
8.46	2.00	0.00	5.77	0.02	0.00	8.48	2.00	0.00	5.76	0.02	0.00
8.50	2.00	0.00	5.75	0.02	0.00	8.52	2.00	0.00	5.74	0.02	0.00
8.54	2.00	0.00	5.73	0.02	0.00	8.56	2.00	0.00	5.72	0.02	0.00
8.58	2.00	0.00	5.71	0.02	0.00	8.60	2.00	0.00	5.70	0.02	0.00
8.62	2.00	0.00	5.69	0.02	0.00	8.64	2.00	0.00	5.68	0.02	0.00
8.66	2.00	0.00	5.67	0.02	0.00	8.68	2.00	0.00	5.66	0.02	0.00
8.70	2.00	0.00	5.65	0.02	0.00	8.72	2.00	0.00	5.64	0.02	0.00
8.74	2.00	0.00	5.63	0.02	0.00	8.76	2.00	0.00	5.62	0.02	0.00
8.78	2.00	0.00	5.61	0.02	0.00	8.80	2.00	0.00	5.60	0.02	0.00
8.82	2.00	0.00	5.59	0.02	0.00	8.84	2.00	0.00	5.58	0.02	0.00
8.86	2.00	0.00	5.57	0.02	0.00	8.88	2.00	0.00	5.56	0.02	0.00
8.90	2.00	0.00	5.55	0.02	0.00	8.92	2.00	0.00	5.54	0.02	0.00
8.94	2.00	0.00	5.53	0.02	0.00	8.96	2.00	0.00	5.52	0.02	0.00
8.98	2.00	0.00	5.51	0.02	0.00	9.00	2.00	0.00	5.50	0.02	0.00
9.02	2.00	0.00	5.49	0.02	0.00	9.04	2.00	0.00	5.48	0.02	0.00
9.06	2.00	0.00	5.47	0.02	0.00	9.08	2.00	0.00	5.46	0.02	0.00
9.10	2.00	0.00	5.45	0.02	0.00	9.12	2.00	0.00	5.44	0.02	0.00
9.14	2.00	0.00	5.43	0.02	0.00	9.16	2.00	0.00	5.42	0.02	0.00
9.18	2.00	0.00	5.41	0.02	0.00	9.19	2.00	0.00	5.41	0.01	0.00
9.21	2.00	0.00	5.39	0.02	0.00	9.23	2.00	0.00	5.39	0.02	0.00
9.25	2.00	0.00	5.38	0.02	0.00	9.27	2.00	0.00	5.37	0.02	0.00
9.29	2.00	0.00	5.36	0.02	0.00	9.31	2.00	0.00	5.35	0.02	0.00
9.33	2.00	0.00	5.34	0.02	0.00	9.35	2.00	0.00	5.33	0.02	0.00
9.37	2.00	0.00	5.32	0.02	0.00	9.39	2.00	0.00	5.31	0.02	0.00
9.41	2.00	0.00	5.30	0.02	0.00	9.43	2.00	0.00	5.29	0.02	0.00
9.45	2.00	0.00	5.28	0.02	0.00	9.47	2.00	0.00	5.27	0.02	0.00
9.49	2.00	0.00	5.26	0.02	0.00	9.51	2.00	0.00	5.25	0.02	0.00
9.53	2.00	0.00	5.24	0.02	0.00	9.55	2.00	0.00	5.22	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
9.57	2.00	0.00	5.22	0.02	0.00	9.59	2.00	0.00	5.21	0.02	0.00
9.61	2.00	0.00	5.20	0.02	0.00	9.63	2.00	0.00	5.18	0.02	0.00
9.65	2.00	0.00	5.18	0.02	0.00	9.67	2.00	0.00	5.17	0.02	0.00
9.69	2.00	0.00	5.16	0.02	0.00	9.71	2.00	0.00	5.14	0.02	0.00
9.73	2.00	0.00	5.14	0.02	0.00	9.75	2.00	0.00	5.13	0.02	0.00
9.77	2.00	0.00	5.12	0.02	0.00	9.79	2.00	0.00	5.11	0.02	0.00
9.81	2.00	0.00	5.10	0.02	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.84	2.00	0.00	5.08	0.02	0.00	9.86	2.00	0.00	5.07	0.02	0.00
9.88	2.00	0.00	5.06	0.02	0.00	9.90	2.00	0.00	5.05	0.02	0.00
9.92	2.00	0.00	5.04	0.02	0.00	9.94	2.00	0.00	5.03	0.02	0.00
9.96	2.00	0.00	5.02	0.02	0.00	9.98	2.00	0.00	5.01	0.02	0.00
10.00	2.00	0.00	5.00	0.02	0.00	10.02	2.00	0.00	4.99	0.02	0.00
10.04	2.00	0.00	4.98	0.02	0.00	10.06	2.00	0.00	4.97	0.02	0.00
10.08	2.00	0.00	4.96	0.02	0.00	10.10	2.00	0.00	4.95	0.02	0.00
10.12	2.00	0.00	4.94	0.02	0.00	10.14	2.00	0.00	4.93	0.02	0.00
10.16	2.00	0.00	4.92	0.02	0.00	10.18	2.00	0.00	4.91	0.02	0.00
10.20	2.00	0.00	4.90	0.02	0.00	10.22	2.00	0.00	4.89	0.02	0.00
10.24	2.00	0.00	4.88	0.02	0.00	10.26	2.00	0.00	4.87	0.02	0.00
10.28	2.00	0.00	4.86	0.02	0.00	10.30	2.00	0.00	4.85	0.02	0.00
10.32	2.00	0.00	4.84	0.02	0.00	10.34	2.00	0.00	4.83	0.02	0.00
10.36	2.00	0.00	4.82	0.02	0.00	10.38	2.00	0.00	4.81	0.02	0.00
10.39	2.00	0.00	4.81	0.01	0.00	10.41	2.00	0.00	4.80	0.02	0.00
10.43	2.00	0.00	4.79	0.02	0.00	10.45	2.00	0.00	4.78	0.02	0.00
10.47	2.00	0.00	4.77	0.02	0.00	10.49	2.00	0.00	4.76	0.02	0.00
10.51	2.00	0.00	4.75	0.02	0.00	10.53	2.00	0.00	4.74	0.02	0.00
10.55	2.00	0.00	4.72	0.02	0.00	10.57	2.00	0.00	4.72	0.02	0.00
10.59	2.00	0.00	4.71	0.02	0.00	10.61	2.00	0.00	4.70	0.02	0.00
10.63	2.00	0.00	4.68	0.02	0.00	10.65	2.00	0.00	4.68	0.02	0.00
10.67	2.00	0.00	4.67	0.02	0.00	10.69	2.00	0.00	4.66	0.02	0.00
10.71	2.00	0.00	4.64	0.02	0.00	10.73	2.00	0.00	4.64	0.02	0.00
10.75	2.00	0.00	4.63	0.02	0.00	10.77	2.00	0.00	4.62	0.02	0.00
10.79	2.00	0.00	4.61	0.02	0.00	10.81	2.00	0.00	4.60	0.02	0.00
10.83	2.00	0.00	4.59	0.02	0.00	10.85	2.00	0.00	4.58	0.02	0.00
10.87	2.00	0.00	4.57	0.02	0.00	10.89	2.00	0.00	4.56	0.02	0.00
10.91	2.00	0.00	4.55	0.02	0.00	10.93	2.00	0.00	4.54	0.02	0.00
10.95	2.00	0.00	4.53	0.02	0.00	10.97	2.00	0.00	4.52	0.02	0.00
10.99	2.00	0.00	4.51	0.02	0.00	11.01	2.00	0.00	4.50	0.02	0.00
11.03	2.00	0.00	4.49	0.02	0.00	11.05	2.00	0.00	4.47	0.02	0.00
11.07	2.00	0.00	4.47	0.02	0.00	11.09	2.00	0.00	4.46	0.02	0.00
11.11	2.00	0.00	4.45	0.02	0.00	11.13	2.00	0.00	4.43	0.02	0.00
11.15	2.00	0.00	4.43	0.02	0.00	11.17	2.00	0.00	4.42	0.02	0.00
11.19	2.00	0.00	4.41	0.02	0.00	11.21	2.00	0.00	4.39	0.02	0.00
11.23	2.00	0.00	4.39	0.02	0.00	11.25	2.00	0.00	4.38	0.02	0.00
11.27	2.00	0.00	4.37	0.02	0.00	11.29	2.00	0.00	4.36	0.02	0.00
11.31	2.00	0.00	4.35	0.02	0.00	11.33	2.00	0.00	4.34	0.02	0.00
11.35	2.00	0.00	4.33	0.02	0.00	11.37	2.00	0.00	4.32	0.02	0.00
11.39	2.00	0.00	4.31	0.02	0.00	11.41	2.00	0.00	4.30	0.02	0.00
11.43	2.00	0.00	4.29	0.02	0.00	11.45	2.00	0.00	4.28	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
11.47	2.00	0.00	4.27	0.02	0.00	11.49	2.00	0.00	4.26	0.02	0.00
11.51	2.00	0.00	4.25	0.02	0.00	11.53	2.00	0.00	4.24	0.02	0.00
11.55	2.00	0.00	4.22	0.02	0.00	11.57	2.00	0.00	4.22	0.02	0.00
11.59	2.00	0.00	4.21	0.02	0.00	11.61	2.00	0.00	4.20	0.02	0.00
11.62	2.00	0.00	4.19	0.01	0.00	11.64	2.00	0.00	4.18	0.02	0.00
11.66	2.00	0.00	4.17	0.02	0.00	11.68	2.00	0.00	4.16	0.02	0.00
11.70	2.00	0.00	4.15	0.02	0.00	11.72	2.00	0.00	4.14	0.02	0.00
11.74	2.00	0.00	4.13	0.02	0.00	11.76	2.00	0.00	4.12	0.02	0.00
11.78	2.00	0.00	4.11	0.02	0.00	11.80	2.00	0.00	4.10	0.02	0.00
11.82	2.00	0.00	4.09	0.02	0.00	11.84	2.00	0.00	4.08	0.02	0.00
11.86	2.00	0.00	4.07	0.02	0.00	11.88	2.00	0.00	4.06	0.02	0.00
11.90	2.00	0.00	4.05	0.02	0.00	11.92	2.00	0.00	4.04	0.02	0.00
11.94	2.00	0.00	4.03	0.02	0.00	11.96	2.00	0.00	4.02	0.02	0.00
11.98	2.00	0.00	4.01	0.02	0.00	12.00	2.00	0.00	4.00	0.02	0.00
12.02	2.00	0.00	3.99	0.02	0.00	12.04	2.00	0.00	3.98	0.02	0.00
12.06	2.00	0.00	3.97	0.02	0.00	12.08	2.00	0.00	3.96	0.02	0.00
12.10	2.00	0.00	3.95	0.02	0.00	12.12	2.00	0.00	3.94	0.02	0.00
12.14	2.00	0.00	3.93	0.02	0.00	12.16	2.00	0.00	3.92	0.02	0.00
12.18	2.00	0.00	3.91	0.02	0.00	12.20	2.00	0.00	3.90	0.02	0.00
12.22	2.00	0.00	3.89	0.02	0.00	12.23	2.00	0.00	3.89	0.01	0.00
12.25	2.00	0.00	3.88	0.02	0.00	12.27	2.00	0.00	3.87	0.02	0.00
12.29	2.00	0.00	3.86	0.02	0.00	12.31	2.00	0.00	3.85	0.02	0.00
12.33	2.00	0.00	3.84	0.02	0.00	12.35	2.00	0.00	3.83	0.02	0.00
12.37	2.00	0.00	3.82	0.02	0.00	12.39	2.00	0.00	3.81	0.02	0.00
12.41	2.00	0.00	3.80	0.02	0.00	12.43	2.00	0.00	3.79	0.02	0.00
12.45	2.00	0.00	3.78	0.02	0.00	12.47	2.00	0.00	3.77	0.02	0.00
12.49	2.00	0.00	3.76	0.02	0.00	12.51	2.00	0.00	3.75	0.02	0.00
12.53	2.00	0.00	3.74	0.02	0.00	12.55	2.00	0.00	3.73	0.02	0.00
12.57	2.00	0.00	3.72	0.02	0.00	12.59	2.00	0.00	3.71	0.02	0.00
12.61	2.00	0.00	3.70	0.02	0.00	12.63	2.00	0.00	3.69	0.02	0.00
12.65	2.00	0.00	3.68	0.02	0.00	12.67	2.00	0.00	3.67	0.02	0.00
12.69	2.00	0.00	3.66	0.02	0.00	12.71	2.00	0.00	3.65	0.02	0.00
12.73	2.00	0.00	3.64	0.02	0.00	12.74	2.00	0.00	3.63	0.01	0.00
12.76	2.00	0.00	3.62	0.02	0.00	12.78	2.00	0.00	3.61	0.02	0.00
12.80	2.00	0.00	3.60	0.02	0.00	12.82	2.00	0.00	3.59	0.02	0.00
12.84	2.00	0.00	3.58	0.02	0.00	12.86	2.00	0.00	3.57	0.02	0.00
12.88	2.00	0.00	3.56	0.02	0.00	12.90	2.00	0.00	3.55	0.02	0.00
12.92	2.00	0.00	3.54	0.02	0.00	12.94	2.00	0.00	3.53	0.02	0.00
12.96	2.00	0.00	3.52	0.02	0.00	12.98	2.00	0.00	3.51	0.02	0.00
13.00	2.00	0.00	3.50	0.02	0.00	13.02	2.00	0.00	3.49	0.02	0.00
13.04	2.00	0.00	3.48	0.02	0.00	13.06	2.00	0.00	3.47	0.02	0.00
13.08	2.00	0.00	3.46	0.02	0.00	13.10	2.00	0.00	3.45	0.02	0.00
13.12	2.00	0.00	3.44	0.02	0.00	13.14	2.00	0.00	3.43	0.02	0.00
13.16	2.00	0.00	3.42	0.02	0.00	13.18	2.00	0.00	3.41	0.02	0.00
13.20	2.00	0.00	3.40	0.02	0.00	13.21	2.00	0.00	3.40	0.01	0.00
13.23	2.00	0.00	3.39	0.02	0.00	13.25	2.00	0.00	3.38	0.02	0.00
13.27	2.00	0.00	3.37	0.02	0.00	13.29	2.00	0.00	3.36	0.02	0.00
13.31	2.00	0.00	3.35	0.02	0.00	13.33	2.00	0.00	3.34	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
13.35	2.00	0.00	3.33	0.02	0.00	13.37	2.00	0.00	3.32	0.02	0.00
13.39	2.00	0.00	3.31	0.02	0.00	13.41	2.00	0.00	3.30	0.02	0.00
13.43	2.00	0.00	3.29	0.02	0.00	13.45	2.00	0.00	3.28	0.02	0.00
13.47	2.00	0.00	3.27	0.02	0.00	13.49	2.00	0.00	3.26	0.02	0.00
13.51	2.00	0.00	3.25	0.02	0.00	13.53	2.00	0.00	3.24	0.02	0.00
13.55	2.00	0.00	3.23	0.02	0.00	13.57	2.00	0.00	3.22	0.02	0.00
13.59	2.00	0.00	3.21	0.02	0.00	13.61	2.00	0.00	3.20	0.02	0.00
13.63	2.00	0.00	3.19	0.02	0.00	13.64	2.00	0.00	3.18	0.01	0.00
13.66	2.00	0.00	3.17	0.02	0.00	13.68	2.00	0.00	3.16	0.02	0.00
13.70	2.00	0.00	3.15	0.02	0.00	13.72	2.00	0.00	3.14	0.02	0.00
13.74	2.00	0.00	3.13	0.02	0.00	13.76	2.00	0.00	3.12	0.02	0.00
13.78	2.00	0.00	3.11	0.02	0.00	13.80	2.00	0.00	3.10	0.02	0.00
13.82	2.00	0.00	3.09	0.02	0.00	13.84	2.00	0.00	3.08	0.02	0.00
13.86	2.00	0.00	3.07	0.02	0.00	13.88	2.00	0.00	3.06	0.02	0.00
13.90	2.00	0.00	3.05	0.02	0.00	13.92	2.00	0.00	3.04	0.02	0.00
13.94	2.00	0.00	3.03	0.02	0.00	13.96	2.00	0.00	3.02	0.02	0.00
13.98	2.00	0.00	3.01	0.02	0.00	14.00	2.00	0.00	3.00	0.02	0.00
14.02	2.00	0.00	2.99	0.02	0.00	14.03	2.00	0.00	2.99	0.01	0.00
14.05	2.00	0.00	2.98	0.02	0.00	14.07	2.00	0.00	2.97	0.02	0.00
14.09	2.00	0.00	2.96	0.02	0.00	14.11	2.00	0.00	2.95	0.02	0.00
14.13	2.00	0.00	2.94	0.02	0.00	14.15	2.00	0.00	2.93	0.02	0.00
14.17	2.00	0.00	2.92	0.02	0.00	14.19	2.00	0.00	2.91	0.02	0.00
14.21	2.00	0.00	2.90	0.02	0.00	14.23	2.00	0.00	2.89	0.02	0.00
14.25	2.00	0.00	2.88	0.02	0.00	14.27	2.00	0.00	2.87	0.02	0.00
14.29	2.00	0.00	2.86	0.02	0.00	14.31	2.00	0.00	2.85	0.02	0.00
14.33	2.00	0.00	2.84	0.02	0.00	14.35	2.00	0.00	2.83	0.02	0.00
14.37	2.00	0.00	2.82	0.02	0.00	14.39	2.00	0.00	2.81	0.02	0.00
14.41	2.00	0.00	2.80	0.02	0.00	14.43	2.00	0.00	2.79	0.02	0.00
14.45	2.00	0.00	2.78	0.02	0.00	14.47	2.00	0.00	2.77	0.02	0.00
14.48	2.00	0.00	2.76	0.01	0.00	14.50	2.00	0.00	2.75	0.02	0.00
14.52	2.00	0.00	2.74	0.02	0.00	14.54	2.00	0.00	2.73	0.02	0.00
14.56	2.00	0.00	2.72	0.02	0.00	14.58	2.00	0.00	2.71	0.02	0.00
14.60	2.00	0.00	2.70	0.02	0.00	14.62	2.00	0.00	2.69	0.02	0.00
14.64	2.00	0.00	2.68	0.02	0.00	14.66	2.00	0.00	2.67	0.02	0.00
14.68	2.00	0.00	2.66	0.02	0.00	14.70	2.00	0.00	2.65	0.02	0.00
14.72	2.00	0.00	2.64	0.02	0.00	14.74	2.00	0.00	2.63	0.02	0.00
14.76	2.00	0.00	2.62	0.02	0.00	14.78	2.00	0.00	2.61	0.02	0.00
14.80	2.00	0.00	2.60	0.02	0.00	14.82	2.00	0.00	2.59	0.02	0.00
14.84	2.00	0.00	2.58	0.02	0.00	14.85	2.00	0.00	2.58	0.01	0.00
14.87	2.00	0.00	2.57	0.02	0.00	14.89	2.00	0.00	2.56	0.02	0.00
14.91	2.00	0.00	2.55	0.02	0.00	14.93	2.00	0.00	2.54	0.02	0.00
14.95	2.00	0.00	2.53	0.02	0.00	14.97	2.00	0.00	2.52	0.02	0.00
14.99	2.00	0.00	2.51	0.02	0.00	15.01	2.00	0.00	2.50	0.02	0.00
15.03	2.00	0.00	2.49	0.02	0.00	15.05	2.00	0.00	2.48	0.02	0.00
15.07	2.00	0.00	2.47	0.02	0.00	15.09	2.00	0.00	2.46	0.02	0.00
15.11	2.00	0.00	2.45	0.02	0.00	15.13	2.00	0.00	2.44	0.02	0.00
15.15	2.00	0.00	2.42	0.02	0.00	15.17	2.00	0.00	2.42	0.02	0.00
15.19	2.00	0.00	2.40	0.02	0.00	15.21	2.00	0.00	2.40	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
15.22	2.00	0.00	2.39	0.01	0.00	15.24	2.00	0.00	2.38	0.02	0.00
15.26	2.00	0.00	2.37	0.02	0.00	15.28	2.00	0.00	2.36	0.02	0.00
15.30	2.00	0.00	2.35	0.02	0.00	15.32	2.00	0.00	2.34	0.02	0.00
15.34	2.00	0.00	2.33	0.02	0.00	15.36	2.00	0.00	2.32	0.02	0.00
15.38	2.00	0.00	2.31	0.02	0.00	15.40	2.00	0.00	2.30	0.02	0.00
15.42	2.00	0.00	2.29	0.02	0.00	15.44	2.00	0.00	2.28	0.02	0.00
15.46	2.00	0.00	2.27	0.02	0.00	15.48	2.00	0.00	2.26	0.02	0.00
15.50	2.00	0.00	2.25	0.02	0.00	15.52	2.00	0.00	2.24	0.02	0.00
15.53	2.00	0.00	2.24	0.01	0.00	15.56	2.00	0.00	2.22	0.03	0.00
15.58	2.00	0.00	2.21	0.02	0.00	15.60	2.00	0.00	2.20	0.02	0.00
15.61	2.00	0.00	2.20	0.01	0.00	15.63	2.00	0.00	2.19	0.02	0.00
15.65	2.00	0.00	2.17	0.02	0.00	15.67	2.00	0.00	2.17	0.02	0.00
15.69	2.00	0.00	2.15	0.02	0.00	15.71	2.00	0.00	2.15	0.02	0.00
15.73	2.00	0.00	2.13	0.02	0.00	15.74	2.00	0.00	2.13	0.01	0.00
15.76	2.00	0.00	2.12	0.02	0.00	15.78	2.00	0.00	2.11	0.02	0.00
15.80	2.00	0.00	2.10	0.02	0.00	15.82	2.00	0.00	2.09	0.02	0.00
15.84	2.00	0.00	2.08	0.02	0.00	15.86	2.00	0.00	2.07	0.02	0.00
15.88	2.00	0.00	2.06	0.02	0.00	15.90	2.00	0.00	2.05	0.02	0.00
15.92	2.00	0.00	2.04	0.02	0.00	15.94	2.00	0.00	2.03	0.02	0.00
15.95	2.00	0.00	2.03	0.01	0.00	15.97	2.00	0.00	2.02	0.02	0.00
15.99	2.00	0.00	2.01	0.02	0.00	16.01	2.00	0.00	2.00	0.02	0.00
16.03	2.00	0.00	1.99	0.02	0.00	16.05	2.00	0.00	1.98	0.02	0.00
16.07	2.00	0.00	1.97	0.02	0.00	16.09	2.00	0.00	1.96	0.02	0.00
16.11	2.00	0.00	1.95	0.02	0.00	16.13	2.00	0.00	1.94	0.02	0.00
16.15	2.00	0.00	1.93	0.02	0.00	16.17	2.00	0.00	1.92	0.02	0.00
16.19	2.00	0.00	1.91	0.02	0.00	16.21	2.00	0.00	1.90	0.02	0.00
16.23	2.00	0.00	1.89	0.02	0.00	16.24	2.00	0.00	1.88	0.01	0.00
16.26	2.00	0.00	1.87	0.02	0.00	16.28	2.00	0.00	1.86	0.02	0.00
16.30	2.00	0.00	1.85	0.02	0.00	16.32	2.00	0.00	1.84	0.02	0.00
16.34	2.00	0.00	1.83	0.02	0.00	16.36	2.00	0.00	1.82	0.02	0.00
16.38	2.00	0.00	1.81	0.02	0.00	16.40	2.00	0.00	1.80	0.02	0.00
16.42	2.00	0.00	1.79	0.02	0.00	16.44	2.00	0.00	1.78	0.02	0.00
16.46	2.00	0.00	1.77	0.02	0.00	16.48	2.00	0.00	1.76	0.02	0.00
16.50	2.00	0.00	1.75	0.02	0.00	16.52	2.00	0.00	1.74	0.02	0.00
16.54	2.00	0.00	1.73	0.02	0.00	16.56	2.00	0.00	1.72	0.02	0.00
16.58	2.00	0.00	1.71	0.02	0.00	16.60	2.00	0.00	1.70	0.02	0.00
16.62	2.00	0.00	1.69	0.02	0.00	16.64	2.00	0.00	1.68	0.02	0.00
16.66	2.00	0.00	1.67	0.02	0.00	16.68	2.00	0.00	1.66	0.02	0.00
16.70	2.00	0.00	1.65	0.02	0.00	16.72	2.00	0.00	1.64	0.02	0.00
16.73	2.00	0.00	1.64	0.01	0.00	16.76	2.00	0.00	1.62	0.03	0.00
16.77	2.00	0.00	1.62	0.01	0.00	16.79	2.00	0.00	1.61	0.02	0.00
16.81	2.00	0.00	1.60	0.02	0.00	16.83	2.00	0.00	1.59	0.02	0.00
16.85	2.00	0.00	1.58	0.02	0.00	16.87	2.00	0.00	1.57	0.02	0.00
16.89	2.00	0.00	1.56	0.02	0.00	16.91	2.00	0.00	1.55	0.02	0.00
16.93	2.00	0.00	1.54	0.02	0.00	16.95	2.00	0.00	1.53	0.02	0.00
16.97	2.00	0.00	1.52	0.02	0.00	16.99	2.00	0.00	1.51	0.02	0.00
17.01	2.00	0.00	1.50	0.02	0.00	17.03	2.00	0.00	1.49	0.02	0.00
17.05	2.00	0.00	1.48	0.02	0.00	17.07	2.00	0.00	1.47	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
17.09	2.00	0.00	1.46	0.02	0.00	17.11	2.00	0.00	1.45	0.02	0.00
17.13	2.00	0.00	1.44	0.02	0.00	17.15	2.00	0.00	1.43	0.02	0.00
17.17	2.00	0.00	1.42	0.02	0.00	17.19	2.00	0.00	1.41	0.02	0.00
17.21	2.00	0.00	1.40	0.02	0.00	17.23	2.00	0.00	1.39	0.02	0.00
17.24	2.00	0.00	1.38	0.01	0.00	17.26	2.00	0.00	1.37	0.02	0.00
17.28	2.00	0.00	1.36	0.02	0.00	17.30	2.00	0.00	1.35	0.02	0.00
17.32	2.00	0.00	1.34	0.02	0.00	17.34	2.00	0.00	1.33	0.02	0.00
17.36	2.00	0.00	1.32	0.02	0.00	17.38	2.00	0.00	1.31	0.02	0.00
17.40	2.00	0.00	1.30	0.02	0.00	17.42	2.00	0.00	1.29	0.02	0.00
17.44	2.00	0.00	1.28	0.02	0.00	17.46	2.00	0.00	1.27	0.02	0.00
17.48	2.00	0.00	1.26	0.02	0.00	17.50	2.00	0.00	1.25	0.02	0.00
17.51	2.00	0.00	1.25	0.01	0.00	17.53	2.00	0.00	1.24	0.02	0.00
17.55	2.00	0.00	1.23	0.02	0.00	17.57	2.00	0.00	1.22	0.02	0.00
17.59	2.00	0.00	1.21	0.02	0.00	17.61	2.00	0.00	1.20	0.02	0.00
17.63	2.00	0.00	1.19	0.02	0.00	17.65	2.00	0.00	1.18	0.02	0.00
17.67	2.00	0.00	1.17	0.02	0.00	17.69	2.00	0.00	1.16	0.02	0.00
17.71	2.00	0.00	1.15	0.02	0.00	17.73	2.00	0.00	1.14	0.02	0.00
17.75	2.00	0.00	1.13	0.02	0.00	17.77	2.00	0.00	1.12	0.02	0.00
17.79	2.00	0.00	1.11	0.02	0.00	17.81	2.00	0.00	1.10	0.02	0.00
17.83	2.00	0.00	1.09	0.02	0.00	17.84	2.00	0.00	1.08	0.01	0.00
17.86	2.00	0.00	1.07	0.02	0.00	17.88	2.00	0.00	1.06	0.02	0.00
17.90	2.00	0.00	1.05	0.02	0.00	17.92	2.00	0.00	1.04	0.02	0.00
17.94	2.00	0.00	1.03	0.02	0.00	17.96	2.00	0.00	1.02	0.02	0.00
17.98	2.00	0.00	1.01	0.02	0.00	18.00	2.00	0.00	1.00	0.02	0.00
18.02	2.00	0.00	0.99	0.02	0.00	18.04	2.00	0.00	0.98	0.02	0.00
18.06	2.00	0.00	0.97	0.02	0.00	18.08	2.00	0.00	0.96	0.02	0.00
18.10	2.00	0.00	0.95	0.02	0.00	18.11	2.00	0.00	0.95	0.01	0.00
18.13	2.00	0.00	0.94	0.02	0.00	18.15	2.00	0.00	0.93	0.02	0.00
18.17	2.00	0.00	0.91	0.02	0.00	18.19	2.00	0.00	0.90	0.02	0.00
18.21	2.00	0.00	0.90	0.02	0.00	18.23	2.00	0.00	0.89	0.02	0.00
18.25	2.00	0.00	0.88	0.02	0.00	18.27	2.00	0.00	0.87	0.02	0.00
18.29	2.00	0.00	0.86	0.02	0.00	18.31	2.00	0.00	0.85	0.02	0.00
18.33	2.00	0.00	0.84	0.02	0.00	18.35	2.00	0.00	0.82	0.02	0.00
18.36	2.00	0.00	0.82	0.01	0.00	18.38	2.00	0.00	0.81	0.02	0.00
18.40	2.00	0.00	0.80	0.02	0.00	18.42	2.00	0.00	0.79	0.02	0.00
18.44	2.00	0.00	0.78	0.02	0.00	18.46	2.00	0.00	0.77	0.02	0.00
18.48	2.00	0.00	0.76	0.02	0.00	18.50	2.00	0.00	0.75	0.02	0.00
18.52	2.00	0.00	0.74	0.02	0.00	18.54	2.00	0.00	0.73	0.02	0.00
18.56	2.00	0.00	0.72	0.02	0.00	18.58	2.00	0.00	0.71	0.02	0.00
18.59	2.00	0.00	0.71	0.01	0.00	18.62	2.00	0.00	0.69	0.03	0.00
18.63	2.00	0.00	0.69	0.01	0.00	18.65	2.00	0.00	0.68	0.02	0.00
18.67	2.00	0.00	0.66	0.02	0.00	18.69	2.00	0.00	0.65	0.02	0.00
18.71	2.00	0.00	0.65	0.02	0.00	18.73	2.00	0.00	0.64	0.02	0.00
18.75	2.00	0.00	0.63	0.02	0.00	18.77	2.00	0.00	0.62	0.02	0.00
18.79	2.00	0.00	0.61	0.02	0.00	18.81	2.00	0.00	0.60	0.02	0.00
18.83	2.00	0.00	0.59	0.02	0.00	18.85	2.00	0.00	0.57	0.02	0.00
18.86	2.00	0.00	0.57	0.01	0.00	18.88	2.00	0.00	0.56	0.02	0.00
18.90	2.00	0.00	0.55	0.02	0.00	18.92	2.00	0.00	0.54	0.02	0.00

:: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
18.94	2.00	0.00	0.53	0.02	0.00	18.96	2.00	0.00	0.52	0.02	0.00
18.98	2.00	0.00	0.51	0.02	0.00	19.00	2.00	0.00	0.50	0.02	0.00
19.02	2.00	0.00	0.49	0.02	0.00	19.04	2.00	0.00	0.48	0.02	0.00
19.06	2.00	0.00	0.47	0.02	0.00	19.08	2.00	0.00	0.46	0.02	0.00
19.10	2.00	0.00	0.45	0.02	0.00	19.12	2.00	0.00	0.44	0.02	0.00
19.13	2.00	0.00	0.44	0.01	0.00	19.15	2.00	0.00	0.43	0.02	0.00
19.17	2.00	0.00	0.41	0.02	0.00	19.19	2.00	0.00	0.40	0.02	0.00
19.21	2.00	0.00	0.40	0.02	0.00	19.23	2.00	0.00	0.39	0.02	0.00
19.25	2.00	0.00	0.38	0.02	0.00	19.27	2.00	0.00	0.37	0.02	0.00
19.29	2.00	0.00	0.36	0.02	0.00	19.31	2.00	0.00	0.35	0.02	0.00
19.32	2.00	0.00	0.34	0.01	0.00	19.34	2.00	0.00	0.33	0.02	0.00
19.36	2.00	0.00	0.32	0.02	0.00	19.38	2.00	0.00	0.31	0.02	0.00

Overall liquefaction potential: 0.00

LPI = 0.00 - Liquefaction risk very low

LPI between 0.00 and 5.00 - Liquefaction risk low

LPI between 5.00 and 15.00 - Liquefaction risk high

LPI > 15.00 - Liquefaction risk very high

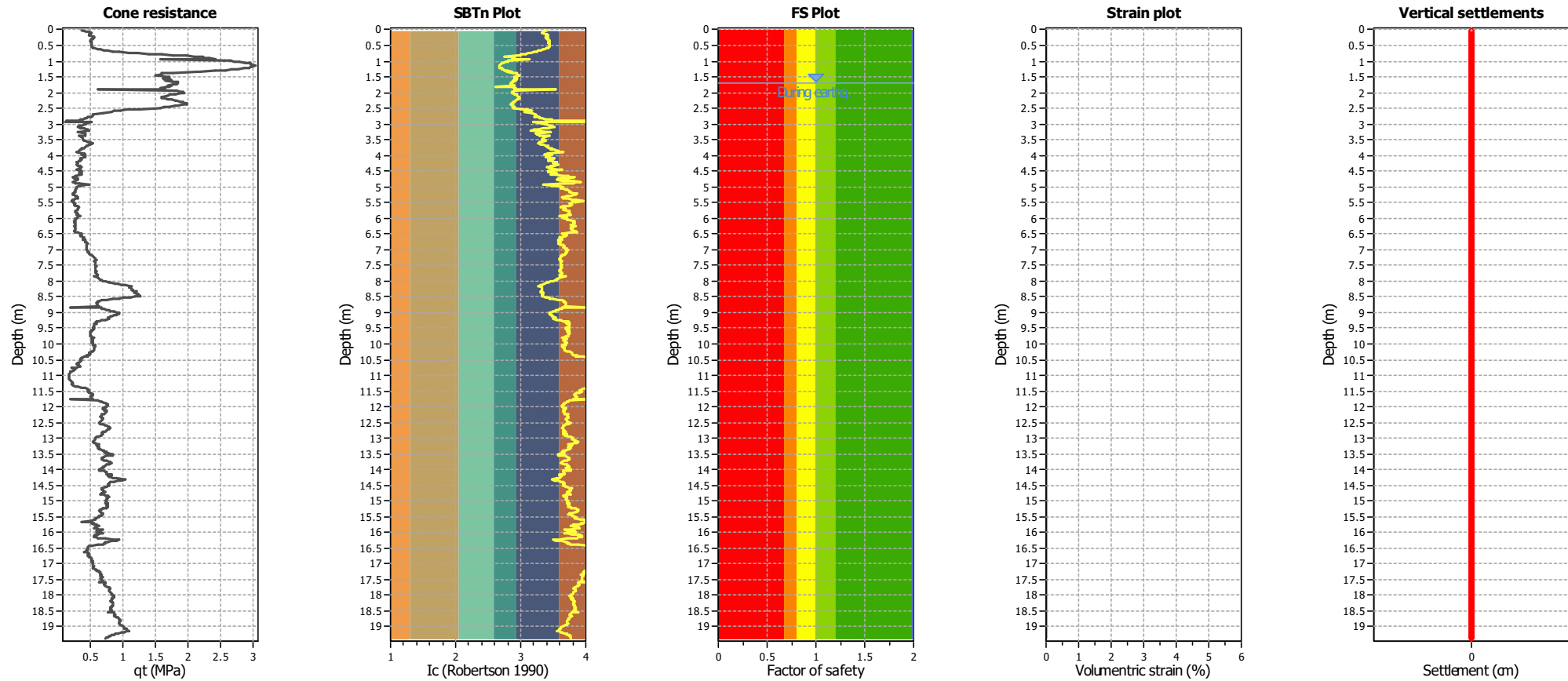
Abbreviations

FS: Calculated factor of safety for test point

F_L: 1 - FSw_z: Function value of the extend of soil liquefaction according to depthd_z: Layer thickness (m)

LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t : Total cone resistance (cone resistance q_c corrected for pore water effects)
 I_c : Soil Behaviour Type Index
 FS: Calculated Factor of Safety against liquefaction
 Volumetric strain: Post-liquefaction volumetric strain

Allegato 5

Calcolo dei cedimenti post-sismici nei livelli coesivi, soffici (tabulati numerici)

Legenda

FS_coesivi: fattore di sicurezza alla liquefazione dei terreni fini, coesivi (Robertson, 2009)

Cu: coesione non drenata

OCR: grado di sovraconsolidazione

ru: rapporto fra incremento pressione neutra indotto dal sisma e la pressione efficace (Robertson, 2009)

A: coefficiente moltiplicatore del modulo edometrico in condizioni statiche, funzione di OCR (Robertson, 2009)

Med.: modulo edometrico statico, corretto dal termine "A"

Ced.-Rob.: cedimenti cumulati secondo il metodo di Robertson (2009)

Ced.-RER(Ip20%): cedimenti cumulati secondo il metodo della DGR 630/2019, per Indice di Plasticità del 20%

Ced.-RER(Ip40%): cedimenti cumulati secondo il metodo della DGR 630/2019, per Indice di Plasticità del 40%

Ced.-RER(Ip55%): cedimenti cumulati secondo il metodo della DGR 630/2019, per Indice di Plasticità del 55%

CPTu-1

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(lp20%) (mm)	Ced.-RER(lp40%) (mm)	Ced.-RER(lp55%) (mm)
0.02				0			0	0	0	0
0.04				0			0	0	0	0
0.06		26.42	314.96	0	-12.48429862	-58.01178912	0	-0.010268425	-0.01169241	0
0.08				0			0	-0.010268425	-0.01169241	0
0.1				0			0	-0.010268425	-0.01169241	0
0.12				0			0	-0.010268425	-0.01169241	0
0.14				0			0	-0.010268425	-0.01169241	0
0.16	1.34	26.07	93.24	0.004953896	-7.726420384	-32.18007731	0	-0.017254549	-0.020470342	0
0.18	4.92	22.99	68.7	-0.015147412	-6.532610634	-22.45519579	4.21E-07	-0.023485665	-0.028579626	0
0.2	4.13	18.44	45.79	-0.018310267	-4.946935792	-11.93764864	1.48E-06	-0.02888827	-0.036025682	0
0.22	4.13	18	39.41	-0.021274477	-4.360457914	-10.5118431	3.02E-06	-0.033791113	-0.04303347	0
0.24	3.91	16.93	32.69	-0.023713373	-3.629734285	-8.056630814	5.47E-06	-0.038169588	-0.049615486	0
0.26	3.91	16.83	29.33	-0.026429941	-3.205808567	-7.114394488	8.82E-06	-0.042132272	-0.055835163	0
0.28	4.02	17.22	27.5	-0.029354229	-2.953994244	-6.798233734	1.30E-05	-0.045718826	-0.061680727	0
0.3	4.36	19.04	28.58	-0.031526734	-3.10456002	-8.545208319	1.69E-05	-0.049236346	-0.067469934	0
0.32	5.14	22.75	32.85	-0.033216496	-3.648818365	-13.9229057	1.95E-05	-0.052809853	-0.073232414	0
0.34	5.7	25.68	35.4	-0.034198506	-3.941029358	-18.51873931	2.17E-05	-0.056418715	-0.079034689	0
0.36	6.26	28.43	37.35	-0.035311586	-4.150615455	-23.70906259	2.36E-05	-0.060004954	-0.084810896	0
0.38	6.37	28.32	34.67	-0.038621601	-3.859584575	-22.30392172	2.59E-05	-0.063317423	-0.09035798	0
0.4	6.26	27.55	31.35	-0.042069784	-3.466137907	-19.4722775	2.89E-05	-0.066279171	-0.095594	0
0.42	6.03	26.31	27.8	-0.045886477	-2.996403163	-15.85151209	3.32E-05	-0.068830834	-0.100452714	0
0.44	6.14	26.67	26.65	-0.048650201	-2.83127492	-15.42591828	3.80E-05	-0.071181605	-0.105146762	0
0.46	6.14	26.79	25.27	-0.051306999	-2.623447177	-14.5671102	4.37E-05	-0.073306632	-0.109654901	0
0.48	6.81	29.31	26.78	-0.052881677	-2.850295154	-18.81998585	4.85E-05	-0.075457824	-0.114178938	0
0.5	7.48	32.83	29.24	-0.052140159	-3.193796315	-26.01631346	5.20E-05	-0.077652789	-0.118667479	0
0.52	8.15	35.83	30.99	-0.052393651	-3.420994186	-32.5573622	5.50E-05	-0.079864536	-0.123144731	0
0.54	8.38	37.23	30.95	-0.053500132	-3.41594588	-34.2945253	5.80E-05	-0.082005839	-0.127586655	0
0.56	8.38	37.31	29.6	-0.055940172	-3.2416254	-32.52763624	6.14E-05	-0.083958906	-0.131867647	0
0.58	9.38	42.57	33.34	-0.053571072	-3.706690359	-41.81124485	6.40E-05	-0.086099603	-0.136308191	0
0.6	10.05	45.92	35.07	-0.053201076	-3.904421893	-47.04367659	6.64E-05	-0.088244855	-0.140716245	0
0.62	10.72	49.62	37.02	-0.052412699	-4.11592773	-53.05982378	6.86E-05	-0.090394857	-0.145082241	0
0.64	11.17	52.1	37.76	-0.052643576	-4.193287871	-56.35955016	7.07E-05	-0.092536642	-0.149467391	0
0.66	11.73	58.37	41.87	-0.048825716	-4.597126648	-64.87851284	7.25E-05	-0.0947919	-0.153902346	0
0.68	12.29	57.15	39.18	-0.053553037	-4.337579885	-63.78003488	7.46E-05	-0.096856029	-0.158199497	0
0.7	12.4	57.26	37.84	-0.055721503	-4.20156015	-62.3823282	7.68E-05	-0.098775456	-0.162373284	0
0.72	12.62	58.26	37.24	-0.05716482	-4.139087051	-62.4560918	7.91E-05	-0.100605618	-0.166488815	0
0.74	13.07	60.26	37.46	-0.057909585	-4.162109957	-64.98626921	8.15E-05	-0.102336955	-0.170452683	0
0.76	13.52	62.28	37.72	-0.058547137	-4.189145157	-67.54845756	8.39E-05	-0.104033801	-0.174405178	0
0.78	14.63	68.53	41.08	-0.055977359	-4.522673914	-79.35257516	8.59E-05	-0.105835609	-0.178413801	0
0.8	15.3	71.89	42.18	-0.055743936	-4.625959179	-84.67235406	8.59E-05	-0.107650714	-0.182452236	0
0.82	16.64	79.44	46.26	-0.052924078	-4.986850656	-99.38853199	8.59E-05	-0.109584046	-0.186556604	0
0.84	17.87	85.9	49.41	-0.051217391	-5.244333685	-111.9356875	8.59E-05	-0.111559448	-0.190642028	0
0.86	18.99	92.53	52.57	-0.049474537	-5.486641793	-124.9731905	8.59E-05	-0.113644546	-0.194858157	0
0.88	14.75	69.06	35.39	-0.065244046	-3.939925064	-69.81744209	8.88E-05	-0.114831812	-0.198345518	0
0.9		111.39	62.41	0	-6.157287643	-164.1415897	8.88E-05	-0.117073668	-0.202589043	0
0.92		118.19	65.3	0	-6.334218631	-176.5857271	8.88E-05	-0.119378164	-0.206904976	0
0.94				0			8.88E-05	-0.119378164	-0.206904976	0
0.96				0			8.88E-05	-0.119378164	-0.206904976	0
0.98				0			8.88E-05	-0.119378164	-0.206904976	0
1				0			8.88E-05	-0.119378164	-0.206904976	0
1.02				0			8.88E-05	-0.119378164	-0.206904976	0
1.04				0			8.88E-05	-0.119378164	-0.206904976	0
1.06				0			8.88E-05	-0.119378164	-0.206904976	0
1.08				0			8.88E-05	-0.119378164	-0.206904976	0
1.1				0			8.88E-05	-0.119378164	-0.206904976	0
1.12				0			8.88E-05	-0.119378164	-0.206904976	0
1.14				0			8.88E-05	-0.119378164	-0.206904976	0
1.16				0			8.88E-05	-0.119378164	-0.206904976	0
1.18				0			8.88E-05	-0.119378164	-0.206904976	0
1.2				0			8.88E-05	-0.119378164	-0.206904976	0
1.22				0			8.88E-05	-0.119378164	-0.206904976	0
1.24		137.55	53.34	0	-5.543777102	-179.8573385	8.88E-05	-0.120605867	-0.210283681	0
1.26		123.86	45.81	0	-4.948642626	-147.2165756	8.88E-05	-0.121455248	-0.213302495	0
1.28	25.67	113.65	40.31	-0.073159832	-4.448715183	-125.2453904	8.88E-05	-0.121998253	-0.216139231	0
1.3	24.38	106.7	36.5	-0.079164648	-4.06063578	-108.4381415	8.88E-05	-0.122272974	-0.218720077	0
1.32	24.49	107.73	36.21	-0.079942286	-4.029456723	-108.4607254	8.88E-05	-0.122492758	-0.221264439	0
1.34	24.22	107.98	35.6	-0.080952337	-3.963049982	-105.7000913	8.88E-05	-0.122635179	-0.223734985	0
1.36	24.19	109.42	35.51	-0.08111719	-3.953156051	-105.4151755	8.88E-05	-0.122735136	-0.226170341	0
1.38	23.67	107.87	34.23	-0.083417101	-3.809662092	-99.22280158	8.88E-05	-0.122712491	-0.228494054	0
1.4	23.78	110.28	34.55	-0.082799523	-3.846032465	-101.0832714	8.88E-05	-0.122676045	-0.230806688	0
1.42		114.24	35.46	0	-3.947648581	-105.3467921	8.88E-05	-0.122665659	-0.233150861	0
1.44		114.83	35.05	0	-3.902192201	-102.9542684	8.88E-05	-0.122593102	-0.235434181	0
1.46		116.41	35.03	0	-3.899961236	-102.8746595	8.88E-05	-0.122484808	-0.237688021	0
1.48		116.94	34.64	0	-3.85620095	-100.8684221	8.88E-05	-0.122315831	-0.239891502	0
1.5		104.74	29.68	0	-3.252175069	-76.43333396	8.88E-05	-0.121727874	-0.241786917	0
1.52		98.37	26.99	0	-2.880825961	-63.72548352	8.88E-05	-0.120843107	-0.243493435	0
1.54	18.59	92.34	24.54	-0.104983015	-2.508871026	-52.15626744	8.88E-05	-0.119682771	-0.244943868	0
1.56	15.04	73.09	18.03	-0.129311106	-1.303961541	-21.96095516	8.88E-05	-0.117587975	-0.245684889	0
1.58	12.97	62.42	14.58	-0.148176978	-0.473817716	-6.910129139	0.000214369	-0.114728233	-0.245879352	0
1.6	12	57.52	12.96	-0.159770225	-0.013445014	-0.181007801	0.005445074	-0.111399224	-0.245727697	0
1.62	10.67	50.7	10.91	-0.177352645	0.659577245	7.916285666	0.005445074	-0.107430982	-0.245062322	0
1.64	9.47	45.18	9.3	-0.193235585	1.283653463	13.78297233	0.005445074	-0.102838436	-0.243894941	0
1.66	8.98	42.44	8.48	-0.204683379	1.64443733	16.61690766	0.005445074	-0.097795481	-0.242393923	0
1.68	8.5	40.26	7.83	-0.213570159	1.956144141	18.05616894	0.005445074	-0.092472669	-0.240630088	0
1.7	8.14	38.8	7.37	-0.220116814	2.192792609	18.6797424	0.005445074	-0.086761997	-0.238600033	0
1.72	7.54	36.22	6.67	-0.229956189	2.582867495	19.18280191	0.005445074	-0.080530736	-0.236175621	0
1.74	7.18	34.58	6.21	-0.237889053	2.862175598	19.43397196	0.005445074	-0.074036846	-0.233502761	0
1.76	7.29	35.57	6.35	-0.235410272	2.775036472	19.11744826	0.005445074	-0.067564331	-0.230859482	0
1.78	7.29	36.01	6.37	-0.23467115	2.762745109	19.44560908	0.005445074	-0.061033681	-0.228179714	0
1.8	7.29	36.93	6.49	-0.230332084	2.689797729	18.52208165	0.005445074	-0.054547577	-0.22553227	0
1.82	7.16	37.12	6.44	-0.228892646	2.720027194	18.09911535	0.005445074	-0.04799953	-0.222828659	0
1.84	6.69	35.07	5.93	-0.235351345	3.04250776	17.83466326	0.005445074	-0.040975102	-0.219767319	0
1.86	6.09	32.39	5.3	-0.24284566	3.481517174	17.25568727	0.005445074	-0.033373037	-0.216245851	0
1.88	5.74	30.69	4.9	-0.248715435	3.78823528	16.58830347	0.005445074	-0.025279284	-0.212350643	0
1.9	5.5	29.73	4.65	-0.251476291	3.992923424	15.69170991	0.005445074	-0.017011599	-0.208273619	0
1.92	5.03	27.44	4.16	-0.256291067	4.428160024	14.6367073				

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(lp20%) (mm)	Ced.-RER(lp40%) (mm)	Ced.-RER(lp55%) (mm)
2	3.96	22.93	3.18	-0.248386539	5.47815592	11.47722969	0.005445074	0.033355358	-0.180772238	0
2.02	3.26	18.73	2.45	-0.230677068	6.497505241	9.245235232	0.005445074	0.045627266	-0.173419973	0
2.04	3.02	17.1	2.16	-0.220749291	6.98991624	8.641843145	0.005445074	0.058760742	-0.1653259	0
2.06	3.14	17.25	2.16	-0.241589289	6.98991624	9.201945133	0.005445074	0.072063081	-0.157120742	0
2.08	3.14	16.71	2.06	-0.253316924	7.175195017	9.202187609	0.005445074	0.085679731	-0.148631874	0
2.1	3.14	17.2	2.11	-0.247314153	7.081457902	9.332582555	0.005445074	0.099261148	-0.140200209	0
2.12	3.37	19.11	2.38	-0.253569553	6.610807386	9.827229612	0.005445074	0.112127662	-0.132403611	0
2.14	2.9	16.15	1.91	-0.225119725	7.470699695	8.724955467	0.005445074	0.126572689	-0.123241372	0
2.16	2.55	13.66	1.54	-0.182725247	8.312313512	7.428880832	0.005445074	0.142269086	-0.11285031	0
2.18	2.08	10.63	1.11	-0.041485109	9.592093191	5.688399025	0.005445074	0.160719815	-0.099800575	0
2.2	1.85	9.37	0.94	0.095024683	10.24184932	4.94548178	0.005596368	0.180353829	-0.085401754	0
2.22	1.97	10.01	1.01	0.016554295	9.961107636	5.387863509	0.005620746	0.199479721	-0.071599513	0
2.24	2.32	11.84	1.24	-0.138869387	9.159204834	6.664237437	0.005620746	0.217204818	-0.059343874	0
2.26	2.43	12.64	1.33	-0.169708788	8.885335231	7.235772746	0.005620746	0.23444079	-0.04758949	0
2.28	2.31	12.29	1.27	-0.131659737	9.065766511	6.8072121	0.005620746	0.252258898	-0.035326366	0
2.3	2.43	12.75	1.32	-0.17099446	8.914834061	6.947330619	0.005620746	0.269632223	-0.023458433	0
2.32	2.43	13.19	1.36	-0.165965212	8.798149825	7.086909684	0.005620746	0.286967259	-0.011683536	0
2.34	2.54	13.64	1.41	-0.196352969	8.657027986	7.341332873	0.005620746	0.304219596	-4.38E-05	0
2.36	2.31	12.5	1.25	-0.133766293	9.127809883	6.717155293	0.005620746	0.322492583	0.012573572	0
2.38	2.19	11.65	1.13	-0.093434819	9.522294009	6.349370422	0.005620746	0.341353203	0.025858966	0
2.4	2.19	11.34	1.09	-0.09686362	9.663161519	6.35004996	0.005620746	0.36089296	0.039722344	0
2.42	2.54	13.25	1.31	-0.211341745	8.944558339	7.79625594	0.005620746	0.378705265	0.051912277	0
2.44	2.89	15.66	1.6	-0.266242664	8.162920156	9.334380828	0.005620746	0.395404582	0.06292726	0
2.46	3	16.26	1.66	-0.282615986	8.019027208	9.721306303	0.005620746	0.411703451	0.073609132	0
2.48	2.89	15.96	1.61	-0.264588982	8.138567116	9.175583338	0.005620746	0.428509197	0.084686126	0
2.5	3.12	17.42	1.78	-0.289017539	7.746219979	10.21067987	0.005620746	0.444339916	0.094937696	0
2.52	2.89	16.11	1.61	-0.264588982	8.138567116	9.378721973	0.005620746	0.460980738	0.105909861	0
2.54	3	16.64	1.67	-0.280923675	7.99555176	9.719712541	0.005620746	0.477566895	0.116777424	0
2.56	3.12	17.06	1.72	-0.299099547	7.880243978	10.50822654	0.005620746	0.493833314	0.127382484	0
2.58	3.47	18.84	1.94	-0.328492991	7.409784431	12.27356693	0.005620746	0.509416992	0.137334263	0
2.6	3.7	19.82	2.06	-0.345347857	7.175195017	13.22051207	0.005620746	0.524525854	0.146885571	0
2.62	3.46	18.43	1.87	-0.339006643	7.553425541	12.00156231	0.005620746	0.540445377	0.157122449	0
2.64	3	15.49	1.5	-0.312761692	8.415178668	10.06615257	0.005620746	0.558139725	0.168943169	0
2.66	2.77	14.2	1.34	-0.281340437	8.856056815	9.408851881	0.005620746	0.576847037	0.181691656	0
2.68	2.71	14.37	1.36	-0.258601701	8.798149825	9.846537358	0.005620746	0.595267393	0.194211124	0.007187009
2.7	3.04	16.94	1.67	-0.290086067	7.99555176	11.46442189	0.005620746	0.612386058	0.205441684	0.016056146
2.72	3.48	18.03	1.79	-0.357877536	7.724322721	13.98627666	0.005620746	0.628814049	0.216095674	0.024309901
2.74	3.91	20.85	2.14	-0.362238399	7.02627604	16.64503715	0.005620746	0.643876469	0.225578513	0.031310929
2.76	4.57	24.21	2.57	-0.371742059	6.31060189	20.39908372	0.005620746	0.657688155	0.234012217	0.03724164
2.78	4.24	21.86	2.25	-0.386130302	6.830357337	18.62658937	0.005620746	0.672530905	0.243290695	0.044016586
2.8	3.48	17.92	1.75	-0.366057594	7.812657562	14.71271859	0.005620746	0.689656986	0.254449695	0.052737999
2.82	3.26	16.75	1.61	-0.351030321	8.138567116	13.53647176	0.005620746	0.707697397	0.266365712	0.062277534
2.84	3.69	19.38	1.92	-0.368901111	7.450288942	15.11209159	0.005620746	0.724216474	0.276976522	0.070377906
2.86	3.47	18.98	1.86	-0.342621722	7.574383502	14.21711783	0.005620746	0.741299564	0.288007602	0.078878249
2.88	3.69	20.63	2.06	-0.343830162	7.175195017	15.12660263	0.005620746	0.757657826	0.298407141	0.086690431
2.9	5.55	32.75	3.66	-0.32235501	4.928670231	22.77425155	0.005620746	0.769973644	0.305526017	0.091271506
2.92	7.74	46.4	5.64	-0.277313999	3.238488064	29.53358621	0.005620746	0.779671813	0.310632749	0.094036578
2.94	8.51	50.93	6.31	-0.265231796	2.799735767	29.09463011	0.005620746	0.788786796	0.315300658	0.096418104
2.96	6.53	38.46	4.42	-0.30942739	4.191199576	27.58178146	0.005620746	0.800136757	0.321653176	0.100285018
2.98	5.03	30.49	3.3	-0.323082073	5.333374541	22.66081509	0.005620746	0.813630017	0.329638867	0.105633319
3	4.93	29.44	3.15	-0.331102478	5.515205016	22.51725843	0.005620746	0.827470787	0.337902202	0.111248568
3.02	4.72	28.86	3.06	-0.324407097	5.628507162	21.68281071	0.005620746	0.841511519	0.34633184	0.117030416
3.04	4.41	26.66	2.76	-0.331234293	6.031818261	19.70353753	0.005620746	0.856407378	0.355426027	0.12344175
3.06	4.51	27.92	2.92	-0.321955343	5.811554337	20.5712117	0.005620746	0.871158872	0.364362071	0.129663955
3.08	5.75	35.22	3.89	-0.31380886	4.690453588	26.28680285	0.005620746	0.883879069	0.37172563	0.134421525
3.1	6.89	43.06	4.98	-0.28708095	3.724935915	30.27650261	0.005620746	0.895102795	0.377937062	0.138129937
3.12	7.61	48.76	5.79	-0.266750119	3.135892926	30.78139186	0.005620746	0.905518882	0.383528461	0.141281045
3.14	5.75	36.19	3.98	-0.30671268	4.601052351	25.99461148	0.005620746	0.918395537	0.390984847	0.146104212
3.16	4.61	27.57	2.82	-0.342356192	5.947758025	21.82434643	0.005620746	0.933666505	0.400316828	0.152706502
3.18	4.3	25.56	2.56	-0.345713317	6.325840312	20.16038982	0.005620746	0.949874475	0.410359072	0.159977897
3.2	4.3	25.27	2.51	-0.352600037	6.402936507	20.17686949	0.005620746	0.96634762	0.420596221	0.167430852
3.22	4.3	25.3	2.51	-0.352600037	6.402936507	20.55617945	0.005620746	0.982987831	0.430940448	0.174969326
3.24	4.1	24.11	2.35	-0.353193642	6.66038924	19.4863008	0.005620746	1.000486243	0.441913318	0.183088646
3.26	3.99	23.41	2.26	-0.353357479	6.813024048	18.84836729	0.005620746	1.018321753	0.453135971	0.19148307
3.28	4.1	24.3	2.36	-0.351697059	6.643791973	19.27702885	0.005620746	1.03603799	0.464260604	0.199707164
3.3	3.89	22.74	2.17	-0.354500433	6.971862395	18.46239797	0.005620746	1.054357979	0.475864646	0.208460645
3.32	3.58	20.05	1.85	-0.363961541	7.595454444	16.86859287	0.005620746	1.0742662	0.488713507	0.218501867
3.34	3.79	21.41	2	-0.369590149	7.290730039	18.04623371	0.005620746	1.093836612	0.501229547	0.228120363
3.36	4.2	24.66	2.38	-0.360438283	6.610807386	20.41721418	0.005620746	1.111672854	0.512403468	0.236403774
3.38	4.17	25.72	2.49	-0.341189521	6.434205876	21.58772585	0.005620746	1.129363945	0.523428085	0.244504373
3.4	4.07	24.35	2.32	-0.354103935	6.710608136	21.31181774	0.005620746	1.147595959	0.534884104	0.253048187
3.42	3.88	23.19	2.18	-0.351510271	6.953891558	19.76038687	0.005620746	1.166623165	0.546924718	0.262146672
3.44	3.49	20.85	1.9	-0.338902966	7.491217591	17.84355592	0.005620746	1.187040028	0.56004487	0.2723552
3.46	3.58	20.59	1.86	-0.362004759	7.574383502	18.59617191	0.005620746	1.207840088	0.573440449	0.282828379
3.48	3.88	22.68	2.09	-0.366647077	7.118683425	20.48664547	0.005620746	1.227504205	0.585939257	0.292363673
3.5	4.17	24.41	2.29	-0.370987732	6.761480659	22.48226127	0.005620746	1.246293771	0.59776095	0.30121871
3.52	3.88	22.37	2.04	-0.375633525	7.213328493	21.26712853	0.005620746	1.265889411	0.610245685	0.310795817
3.54	4.07	23.43	2.16	-0.380333856	6.98991624	22.42672686	0.005620746	1.2852715	0.622516284	0.320101565
3.56	3.97	22.23	2.02	-0.392466707	7.251837675	21.58748795	0.005620746	1.305157341	0.635194975	0.329851674
3.58	4.07	23.53	2.15	-0.38210285	7.008053861	22.73153374	0.005620746	1.32477886	0.647620179	0.339288453
3.6	4.36	25.98	2.43	-0.37079591	6.529543538	24.4251941	0.005620746	1.343198556	0.659131702	0.347824581
3.62	4.07	24.07	2.2	-0.373418695	6.918195873	22.43391048	0.005620746	1.362758831	0.671484824	0.35716849
3.64	4.26	25.6	2.37	-0.368873221	6.6					

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(lp20%) (mm)	Ced.-RER(lp40%) (mm)	Ced.-RER(lp55%) (mm)
3.98	2.84	18.54	1.5	-0.27055119	8.415178668	15.93961067	0.005620746	1.723779082	0.899776146	0.531263648
4	2.48	15.8	1.22	-0.204296288	9.222761524	13.22128978	0.005620746	1.750861595	0.917879151	0.547099729
4.01	2.38	14.47	1.09	-0.185041014	9.663161519	12.15181214	0.005620746	1.779707813	0.937412283	0.564947781
4.04	2.38	14.48	1.09	-0.185041014	9.663161519	12.33106378	0.005620746	1.808548383	0.95694239	0.582793131
4.06	2.11	12.77	0.93	-0.067302507	10.28365346	10.26555423	0.005620746	1.83959121	0.978397942	0.604140597
4.07	2.01	12.37	0.89	-0.00730507	10.45548994	9.637138743	0.005620746	1.871757776	1.000770633	0.627115493
4.09	2.11	13.2	0.96	-0.065199303	10.15958989	10.17439186	0.005620746	1.902385396	1.021849708	0.647669391
4.11	2.11	13.75	1.01	-0.061971615	9.961107636	10.09767442	0.005620746	1.932335009	1.042326361	0.667072967
4.13	2.2	15.2	1.14	-0.097231869	9.487856338	10.50647259	0.005620746	1.960873763	1.061554173	0.684319263
4.15	2.38	17.81	1.39	-0.145104105	8.712866798	11.36994266	0.005620746	1.986754291	1.078619854	0.698656573
4.17	2.2	16.96	1.3	-0.08526487	8.974509829	10.34653289	0.005620746	2.013115903	1.096125443	0.713655909
4.19	1.66	12.5	0.89	0.241025265	10.45548994	7.325220807	0.005982881	2.045135488	1.118403109	0.736532921
4.21	1.48	11.04	0.76	0.456715575	11.07267767	6.300796501	0.00678225	2.080557095	1.143684662	0.76743812
4.23	1.22	8.82	0.57	1.000496229	12.1971263	4.953496933	0.009014104	2.122179217	1.175415213	0.76743812
4.25	0.87	5.66	0.33	2.911753903	14.33337454	2.775801314	0.020626288	2.184603389	1.175415213	0.76743812
4.27	0.78	4.77	0.26	1	15.26523987	2.273452174	0.025506092	2.292633632	1.175415213	0.76743812
4.29	0.52	3.2	0.16	1	17.16292016	1.304381932	0.034028136	2.292633632	1.175415213	0.76743812
4.31	0.35	2.13	0.1	1	19	0.72599	0.0493727	2.292633632	1.175415213	0.76743812
4.33	0.26	1.53	0.06	1	20.99663875	0.448278237	0.074272414	2.292633632	1.175415213	0.76743812
4.35	0.43	2.36	0.11	1	18.62746583	0.846245773	0.087488433	2.292633632	1.175415213	0.76743812
4.37	0.52	3.05	0.15	1	17.41517867	1.222197239	0.096658802	2.292633632	1.175415213	0.76743812
4.39	0.7	4.42	0.24	1	15.57809882	2.052570301	0.102129991	2.292633632	1.175415213	0.76743812
4.41	0.87	5.59	0.32	3.002746213	14.4536502	2.842888457	0.114014699	2.356888392	1.175415213	0.76743812
4.43	0.87	5.95	0.34	2.826114082	14.21668975	3.142883602	0.124154197	2.416727712	1.259728339	0.76743812
4.45	0.7	4.59	0.25	1	15.41853992	2.148110982	0.129413702	2.416727712	1.259728339	0.76743812
4.47	0.69	4.42	0.23	1	15.74444948	1.985375079	0.135116403	2.416727712	1.259728339	0.76743812
4.49	0.52	3.39	0.17	1	16.92595971	1.335119702	0.143611522	2.416727712	1.259728339	0.76743812
4.51	0.52	3.33	0.16	1	17.16292016	1.307299628	0.152304249	2.416727712	1.259728339	0.76743812
4.53	0.35	1.87	0.08	1	19.87219012	0.554831548	0.172825793	2.416727712	1.259728339	0.76743812
4.55	0.17	1.14	0.04	1	22.58146008	0.262170752	0.216339419	2.416727712	1.259728339	0.76743812
4.57	0.26	1.55	0.06	1	20.99663875	0.420562674	0.243517295	2.416727712	1.259728339	0.76743812
4.59	0.35	2.24	0.1	1	19	0.73017	0.259201314	2.416727712	1.259728339	0.76743812
4.61	0.43	2.75	0.13	1	17.97450983	0.974577923	0.270972563	2.416727712	1.259728339	0.76743812
4.63	0.43	2.71	0.12	1	18.28736879	0.987335041	0.282616027	2.416727712	1.259728339	0.76743812
4.65	0.35	1.97	0.08	1	19.87219012	0.612659621	0.301412761	2.416727712	1.259728339	0.76743812
4.67	0.26	1.44	0.06	1	20.99663875	0.377939497	0.331941457	2.416727712	1.259728339	0.76743812
4.69	0	0.08	0	0	inf	inf	0.331941457	2.416727712	1.259728339	0.76743812
4.71				0			0.331941457	2.416727712	1.259728339	0.76743812
4.73				0			0.331941457	2.416727712	1.259728339	0.76743812
4.75				0			0.331941457	2.416727712	1.259728339	0.76743812
4.77				0			0.331941457	2.416727712	1.259728339	0.76743812
4.79	0.08	0.45	0.01	1	28	0.06608	0.50857584	2.416727712	1.259728339	0.76743812
4.81	0.17	1.04	0.04	1	22.58146008	0.242299067	0.55683851	2.416727712	1.259728339	0.76743812
4.83	0.25	1.48	0.06	1	20.99663875	0.41615338	0.584991592	2.416727712	1.259728339	0.76743812
4.85	0.25	1.72	0.07	1	20.39411764	0.524128823	0.607394481	2.416727712	1.259728339	0.76743812
4.87	0.33	2.24	0.1	1	19	0.78945	0.622295995	2.416727712	1.259728339	0.76743812
4.89	0.5	2.99	0.14	1	17.68484768	1.218486005	0.631971937	2.416727712	1.259728339	0.76743812
4.91	0.5	3.44	0.16	1	17.16292016	1.513426299	0.639778065	2.416727712	1.259728339	0.76743812
4.93	0.75	4.9	0.25	1	15.41853992	2.552230913	0.64441636	2.416727712	1.259728339	0.76743812
4.95	0.83	5.35	0.28	1	14.97557772	2.905262077	0.648499985	2.416727712	1.259728339	0.76743812
4.97	0.91	6.22	0.34	2.673382048	14.21668975	3.546495424	0.657461273	2.486085277	1.259728339	0.76743812
4.99	1.08	7.36	0.41	1.734372708	13.48494529	4.475518492	0.662077463	2.542593254	1.309398092	0.76743812
5.01	0.99	7.07	0.39	2.081052262	13.68041854	4.214663343	0.667972027	2.602078163	1.364764971	0.76743812
5.03	0.91	6.45	0.35	2.96999704	14.1033876	3.413583935	0.677071003	2.670809256	1.364764971	0.76743812
5.05	0.99	7.59	0.43	1.887466006	13.2987839	4.107994347	0.68257811	2.725701953	1.410882114	0.76743812
5.07	0.99	8.08	0.46	1.764370396	13.03517951	4.28857406	0.687517522	2.777185523	1.452312468	0.76743812
5.09	0.99	8.09	0.46	1.764370396	13.03517951	4.06632425	0.692736448	2.829736847	1.494515633	0.76743812
5.11	0.83	6.79	0.37	1	13.88618448	3.181186003	0.696524344	2.895793342	1.563358491	0.76743812
5.13	0.74	5.96	0.31	1	14.57774476	2.698632109	0.70099698	2.895793342	1.563358491	0.76743812
5.15	0.58	4.47	0.22	1	15.91819587	1.830910889	0.707602435	2.895793342	1.563358491	0.76743812
5.17	0.25	1.69	0.06	1	20.99663875	0.441979246	0.735010962	2.895793342	1.563358491	0.76743812
5.19	0.17	0.82	0.03	1	23.70590871	0.139864861	0.821766133	2.895793342	1.563358491	0.76743812
5.21	0.17	0.8	0.03	1	23.70590871	0.13773133	0.91002492	2.895793342	1.563358491	0.76743812
5.23	0.08	0.62	0.02	1	25.29073004	0.094840238	1.038409246	2.895793342	1.563358491	0.76743812
5.25	0.08	0.71	0.02	1	25.29073004	0.119119338	1.140793965	2.895793342	1.563358491	0.76743812
5.27	0.4	2.64	0.11	1	18.62746583	0.876981091	1.154728131	2.895793342	1.563358491	0.76743812
5.29	0.55	4	0.19	1	16.49121759	1.625869142	1.162257642	2.895793342	1.563358491	0.76743812
5.31	0.71	5.63	0.29	1	14.83841802	2.664237955	1.166861585	2.895793342	1.563358491	0.76743812
5.33	0.71	5.27	0.26	1	15.26523987	2.432363321	1.171913462	2.895793342	1.563358491	0.76743812
5.35	0.63	5.12	0.25	1	15.41853992	2.285644358	1.177298377	2.895793342	1.563358491	0.76743812
5.37	0.71	5.73	0.29	1	14.83841802	2.613787334	1.182016435	2.895793342	1.563358491	0.76743812
5.39	1.19	10.14	0.59	1.015330649	12.0623319	5.635521461	1.184242208	2.941673155	1.596415937	0.76743812
5.41	1.19	10.99	0.65	0.92160782	11.68377979	6.165881109	1.186092036	2.984294955	1.626536784	0.76743812
5.43	1.03	8.94	0.5	1.531705965	12.70926996	4.723908552	1.19011268	3.037068996	1.666000534	0.76743812
5.45	0.79	6.22	0.32	1	14.4536502	2.910965149	1.194379306	3.037068996	1.666000534	0.76743812
5.47	0.87	7.25	0.39	2.463791764	13.68041854	3.610946473	1.202869995	3.112942662	1.732036501	0.76743812
5.49	0.87	7.63	0.41	2.3436068	13.48494529	3.890002168	1.210380377	3.181673259	1.787963733	0.76743812
5.51	0.95	7.98	0.43	1.99826793	13.2987839	4.202016749	1.216319042	3.24644146	1.83874916	0.76743812
5.53	0.79	6.81	0.35	1	14.1033876	3.451804115	1.219943814	3.24644146	1.83874916	0.76743812
5.55	0.63	4.99	0.24	1	15.57809882	2.257110739	1.225496931	3.24644146	1.83874916	0.76743812
5.57	0.71	5.34	0.26	1	15.26523987	2.511742568	1.230496647	3.24644146	1.83874916	0.76743812
5.59	0.79	6.67	0.34	1	14.21668975	3.475980643	1.234116345	3.24644146	1.83874916	0.76743812
5.61	0.79	6.23	0.31	1	14.57774476	3.144273766	1.238124902	3.24644146	1.83874916	0.76743812
5.63	0.79	6.55	0.33	1	14.33337454	3.39829977	1.241840877	3.24644146	1.83874916	0.76743812
5.65	0.87	7.3	0.38	2.52862839	13.78194763	3.918345531	1.250005601	3.398469869	1.931839274	0.76743812
5.67	0.71	5.99	0.3	1	14.70590871	2.944564101	1.254309803	3.398469869	1.931839274	0.76743812

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(lp20%) (mm)	Ced.-RER(lp40%) (mm)	Ced.-RER(lp55%) (mm)
5.94	1.19	10.6	0.59	1.015330649	12.0623319	6.649239834	1.327945412	4.072179147	2.402667585	0
5.96	1.06	9.17	0.49	1.495278364	12.78823528	5.427966464	1.33153873	4.136760547	2.446919975	0
5.98	1.14	10.47	0.57	1.137952799	12.1971263	6.420811226	1.333854757	4.189561743	2.482948651	0
6	1.21	11.21	0.62	0.935146637	11.86847479	7.080376008	1.335584158	4.239199576	2.516578745	0
6.02	1.21	11.15	0.62	0.935146637	11.86847479	7.051891669	1.337323727	4.289040875	2.550279295	0
6.04	1.14	10.27	0.56	1.158273385	12.26630776	6.363515138	1.33971617	4.343652017	2.587263059	0
6.06	0.98	8.87	0.46	1.789866606	13.03517951	5.243531312	1.344211034	4.421256879	2.637177996	0
6.08	0.98	8.59	0.44	1.871224179	13.20892591	5.094418546	1.349056571	4.519368968	2.692260596	0
6.1	0.98	8.45	0.43	1.91474102	13.2987839	4.897011195	1.354224835	4.519368968	2.751083109	0
6.12	0.98	8.96	0.46	1.789866606	13.03517951	5.313269522	1.358685631	4.601305965	2.801722146	0
6.14	0.98	8.62	0.44	1.871224179	13.20892591	5.054791768	1.363597288	4.735969697	2.857650113	0
6.16	0.98	8.5	0.43	1.91474102	13.2987839	5.002736527	1.368684651	4.735969697	2.917700789	0
6.18	1.06	9.5	0.5	1.465372797	12.70926996	5.669986608	1.372126088	4.803843878	2.961643471	0
6.2	1.06	9.97	0.53	1.382427167	12.48151717	6.064644379	1.375167379	4.866350167	3.002641753	0
6.22	1.06	9.7	0.51	1.436639997	12.63186842	5.964136672	1.37838746	4.933272068	3.045810101	0
6.24	1.06	9.36	0.48	1.526429997	12.86882886	5.904347371	1.381849646	5.011284572	3.093380661	0
6.26	0.91	7.78	0.38	2.391973412	13.78194763	4.557000984	1.388892765	5.011284572	3.093380661	0
6.28	0.91	7.82	0.39	2.33064076	13.68041854	4.483073154	1.395881973	5.011284572	3.093380661	0
6.3	0.83	7.42	0.36	1	13.99327749	4.125498071	1.399147034	5.011284572	3.093380661	0
6.32	0.83	7.64	0.37	1	13.88618448	4.255004649	1.402318358	5.011284572	3.093380661	0
6.34	0.83	7.58	0.37	1	13.88618448	4.100868002	1.405614733	5.011284572	3.093380661	0
6.36	0.91	8.39	0.41	2.216950967	13.48494529	4.508421759	1.412273815	5.011284572	3.180773704	0
6.38	1.06	10.06	0.52	1.409012305	12.55596991	5.573343922	1.415703473	5.080623743	3.223736933	0
6.4	1.29	13.32	0.74	0.683555906	11.17691452	7.734536619	1.416904341	5.125633675	3.253061627	0
6.42	1.29	13.82	0.77	0.656923858	11.02158347	7.973344132	1.418025834	5.169499609	3.281594568	0
6.44	1.21	12.55	0.68	0.852633698	11.50741979	7.049790583	1.419647992	5.218759939	3.313557499	0
6.46	0.98	9.89	0.5	1.646677277	12.70926996	5.262781598	1.42348258	5.299415949	3.359390674	0
6.48	0.83	7.86	0.38	1	13.78194763	3.960242652	1.427402591	5.299415949	3.359390674	0
6.5	0.76	6.74	0.31	1	14.57774476	3.241944656	1.431629684	5.299415949	3.359390674	0
6.52	0.6	5.53	0.24	1	15.57808882	2.464922577	1.437199027	5.299415949	3.359390674	0
6.54	0.45	4.01	0.16	1	17.16292016	1.510165345	1.44630399	5.299415949	3.359390674	0
6.56	0.38	3.35	0.13	1	17.97450863	1.1422801	1.458360578	5.299415949	3.359390674	0
6.58	0.45	4.12	0.17	1	16.92595971	1.541447151	1.467309312	5.299415949	3.359390674	0
6.6	0.53	4.93	0.21	1	16.10002635	1.961144209	1.474354179	5.299415949	3.359390674	0
6.62	0.53	4.87	0.21	1	16.10002635	1.907853122	1.481607357	5.299415949	3.359390674	0
6.64	0.58	5.63	0.25	1	15.41853992	2.371833996	1.487450937	5.299415949	3.359390674	0
6.66	0.65	6.83	0.31	1	14.57774476	3.206229182	1.491780633	5.299415949	3.359390674	0
6.68	0.65	6.56	0.3	1	14.70598071	3.097211433	1.496271124	5.299415949	3.359390674	0
6.7	0.51	4.9	0.2	1	16.29073004	2.225476631	1.502531356	5.299415949	3.359390674	0
6.72	0.51	4.72	0.19	1	16.49121759	2.133798644	1.509072742	5.299415949	3.359390674	0
6.74	0.43	3.75	0.15	1	17.41517867	1.529400991	1.518214884	5.299415949	3.359390674	0
6.76	0.43	3.82	0.15	1	17.41517867	1.584955411	1.527051725	5.299415949	3.359390674	0
6.78	0.51	4.47	0.18	1	16.70254745	2.008314306	1.534038679	5.299415949	3.359390674	0
6.8	0.65	6.06	0.26	1	15.26523987	3.142044322	1.5385122	5.299415949	3.359390674	0
6.82	0.72	6.99	0.31	1	14.57774476	3.908876479	1.54211477	5.299415949	3.359390674	0
6.84	0.87	8.28	0.39	2.463791764	13.68041854	5.010316485	1.549053274	5.299415949	3.359390674	0
6.86	0.94	9.03	0.43	2.026697464	13.2987839	5.684831154	1.554092895	5.299415949	3.441731769	0
6.88	1.01	9.84	0.48	1.642719054	12.86882886	6.393491556	1.557732138	5.299415949	3.493845195	0
6.9	1.16	11.06	0.56	1.12239598	12.26630776	7.56168808	1.559838388	5.37294155	3.534286509	0
6.92	1.23	12.01	0.61	0.91943017	11.93203148	8.527584262	1.561371133	5.435426426	3.571404703	0
6.94	1.23	11.8	0.6	0.934754006	11.99663875	8.377252837	1.562960513	5.499966898	3.609177543	0
6.96	1.3	12.66	0.65	0.764477974	11.68377979	9.305663252	1.564132985	5.556786167	3.643646157	0
6.98	1.3	12.52	0.64	0.776422942	11.74438023	9.360505934	1.565319123	5.615116197	3.67871354	0
7	1.38	13.78	0.72	0.594335597	11.28400753	10.87947586	1.566101848	5.66574566	3.710036885	0
7.02	1.45	14.3	0.75	0.494348152	11.12444863	11.77044536	1.566704871	5.713893561	3.739948922	0
7.03	1.52	14.7	0.78	0.405507764	10.97114858	12.43513864	1.567174061	5.760692243	3.769111266	0
7.05	1.52	14.53	0.76	0.416179021	11.07267767	12.46506689	1.567655444	5.808778001	3.798938831	0
7.07	1.52	14.58	0.77	0.410774099	11.02158347	12.67129409	1.56812375	5.856545454	3.828569738	0
7.09	1.52	14.75	0.77	0.410774099	11.02158347	13.0228826	1.568580422	5.904586164	3.85832248	0
7.11	1.59	15.3	0.81	0.32627611	10.82363483	13.66180836	1.568926907	5.94973822	3.886403732	0
7.13	1.59	15.5	0.82	0.322297133	10.77567533	13.89598763	1.569264142	5.99465341	3.914331501	0
7.15	1.59	15.54	0.82	0.322297133	10.77567533	13.84210926	1.569603387	6.039689847	3.942296783	0
7.17	1.67	16.13	0.86	0.241365333	10.58951394	14.42715379	1.569847644	6.083418665	3.969524104	0
7.19	1.59	15.68	0.83	0.318414035	10.72829717	13.83896693	1.570184258	6.128345365	3.997378571	0
7.21	1.67	16.19	0.86	0.241365333	10.58951394	14.41021057	1.570429808	6.172288175	4.024674847	0
7.23	1.59	15.36	0.8	0.330354562	10.87219012	13.42715479	1.570791232	6.218843994	4.053340522	0
7.25	1.52	14.61	0.75	0.421728075	11.12444863	12.58786985	1.57128446	6.269415812	4.084096286	0
7.27	1.52	15.13	0.78	0.405507764	10.97114858	13.19730433	1.571737738	6.317263467	4.113354308	0
7.29	1.52	14.67	0.75	0.421728075	11.12444863	12.76519356	1.572226096	6.368306796	4.144279836	0
7.31	1.52	14.86	0.76	0.416179021	11.07267767	13.05125444	1.572698422	6.417738174	4.17425645	0
7.33	1.52	15.16	0.78	0.405507764	10.97114858	13.36944165	1.573148594	6.466153022	4.203713715	0
7.35	1.45	13.89	0.7	0.529658734	11.39411764	12.09177946	1.573800122	6.521732808	4.236470534	0
7.37	1.52	14.6	0.74	0.427427103	11.17691452	13.00624012	1.574289916	6.57314881	4.267267869	0
7.39	1.52	14.69	0.74	0.427427103	11.17691452	13.10515582	1.574777057	6.624747835	4.298109043	0
7.41	1.59	15.77	0.81	0.32627611	10.82363483	14.35646924	1.575117231	6.672337577	4.327068524	0
7.43	1.59	15.84	0.81	0.32627611	10.82363483	14.53776512	1.575453836	6.720194796	4.356145722	0
7.45	1.66	16.43	0.85	0.25236763	10.63522967	15.31770859	1.575701464	6.765331372	4.38372757	0
7.47	1.74	17.35	0.9	0.177932222	10.41181742	16.44744385	1.575864408	6.808762747	4.410406547	0
7.49	1.95	20.12	1.08	0.026396235	9.699186201	19.64705954	1.575884684	6.845718551	4.433341133	0
7.51	2.03	20.96	1.14	-0.015736369	9.487856338	20.46416758	1.575884684	6.881605686	4.45563272	0
7.53	2.03	21.07	1.14	-0.015736369	9.487856338	20.43541937	1.575884684	6.917555742	4.477948538	0
7.55	2.1	21.66	1.18	-0.048392647	9.353061934	21.03606513	1.575884684	6.952855797	4.499864275	0
7.57	1.95	20.15	1.08	0.026396235	9.699186201	19.25463046	1.575905547	6.990950656	4.523436857	0
7.59	1.81	18.84	0.99	0.115732314	10.03928325	17.6959434	1.576005269	7.031168164	4.548185447	0
7.61	1.88	19.26	1.01	0.070039724	9.961107636	18.19167204	1.576064106	7.071088147	4.572761475	0
7.63	1.95	19.9	1.05	0.027150413	9.809296308	19.06113031	1.576085917	7.110177555	4.59686096	0
7.65	1.81	18.58	0.96	0.119348949	10.1595589	17.50431042	1.576190522	7.151628703	4.622234697	0
7.67	1.81	18.71	0.97							

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(lp20%) (mm)	Ced.-RER(lp40%) (mm)	Ced.-RER(lp55%) (mm)
7.9	1.53	16.97	0.83	0.371952764	10.72822971	15.10222392	1.581839647	7.695593483	5.014655854	0
7.92	1.6	17.29	0.85	0.302400995	10.63522967	15.31037028	1.582151284	7.744089852	5.043290744	0
7.94	1.6	17.58	0.86	0.298884705	10.58951394	15.62154507	1.582453736	7.792227277	5.071777247	0
7.96	1.53	16.88	0.82	0.376488773	10.77567533	14.83832044	1.582855641	7.842841171	5.10123704	0
7.98	1.46	16.29	0.78	0.465155646	10.97114858	14.27500026	1.583372777	7.896457621	5.131821739	0
8	1.39	15	0.7	0.599400902	11.39411764	12.87728993	1.584112869	7.961702065	5.166018054	0
8.02	1.25	13.64	0.62	0.874547364	11.86847179	11.46340375	1.585328327	7.961702065	5.205547427	0
8.04	1.25	13.07	0.59	0.919015874	12.062319	10.92063218	1.586671595	7.961702065	5.247574911	0
8.06	1.32	14.06	0.64	0.748864598	11.74438023	12.10270128	1.587661237	8.073467922	5.285161564	0
8.08	1.39	14.65	0.68	0.61703034	11.50741979	12.76863299	1.588435676	8.14612298	5.320580134	0
8.1	1.39	15.32	0.71	0.590958636	11.33867486	13.57568202	1.589134605	8.210265302	5.353988063	0
8.12	1.53	17	0.81	0.381136783	10.82363483	15.52109235	1.589529712	8.263170996	5.384203938	0
8.14	1.6	17.24	0.82	0.313464447	10.77567533	15.77224822	1.589850087	8.314279751	5.413481903	0
8.16	1.66	18.28	0.88	0.243764188	10.49965595	17.00114791	1.590081676	8.362041559	5.441421968	0
8.18	1.6	17.54	0.84	0.306001007	10.68148643	16.0550218	1.590390136	8.412158107	5.470279539	0
8.2	1.6	17.98	0.86	0.298884705	10.58951394	16.16679914	1.590689893	8.461239089	5.498712398	0
8.22	1.66	18.98	0.92	0.233165745	10.32559095	17.14348808	1.590910825	8.507526117	5.525966008	0
8.24	1.66	18.55	0.89	0.241025265	10.45548954	16.79141229	1.591144481	8.555358826	5.553866307	0
8.26	1.59	17.87	0.85	0.31092194	10.63522967	16.19075459	1.591457654	8.605512162	5.582662348	0
8.28	1.59	17.81	0.84	0.314623392	10.68148643	16.2152441	1.591774698	8.656512196	5.611766113	0
8.3	1.59	17.63	0.83	0.318414035	10.72822971	16.14447799	1.5920976	8.708425653	5.641189782	0
8.32	1.59	17.93	0.84	0.314623392	10.68148643	16.81778675	1.592404444	8.760022573	5.670525159	0
8.34	1.59	18.07	0.85	0.31092194	10.63522967	17.16270823	1.592702201	8.811030571	5.699611524	0
8.36	1.8	20.06	0.97	0.124716635	10.11905349	19.82494779	1.5928058	8.855360824	5.725780928	0
8.38	1.8	20.5	0.99	0.122197108	10.03928325	20.55924738	1.59290387	8.899225997	5.751744474	0
8.4	1.8	20.36	0.98	0.123444017	10.07896532	20.58094481	1.593003041	8.943586516	5.777924777	0
8.42	2.29	26.51	1.36	-0.115560576	8.798149825	28.64668381	1.593003041	8.976963704	5.798248468	0
8.44	2.5	29.46	1.55	-0.16678737	8.287014716	32.5741831	1.593003041	9.007410006	5.81685343	0
8.46	2.63	30.78	1.63	-0.194529013	8.09031156	34.12291158	1.593003041	9.037165883	5.835045306	0
8.48	2.91	34.72	1.89	-0.229606006	7.511843762	38.97197127	1.593003041	9.064296272	5.851639929	0
8.5	2.98	36.41	2	-0.230707631	7.290730039	40.64676776	1.593003041	9.090778054	5.867829443	0
8.52	3.12	38.56	2.15	-0.239279637	7.008053861	42.8569825	1.593003041	9.115724571	5.883065522	0
8.54	3.26	40.23	2.26	-0.250070273	6.813024048	44.25249884	1.593003041	9.14011908	5.89799416	0
8.56	3.19	40.17	2.25	-0.240036985	6.830357337	43.63833338	1.593003041	9.164739452	5.912971179	0
8.58	3.4	43.66	2.49	-0.246479486	6.434205876	47.14123882	1.593003041	9.187592989	5.926883261	0
8.6	3.53	45.2	2.59	-0.253699118	6.280302123	48.81936333	1.593003041	9.210148568	5.94059839	0
8.62	3.4	43.26	2.45	-0.250503641	6.497505241	46.80510388	1.593003041	9.233239505	5.954656192	0
8.64	3.19	39.85	2.21	-0.244381546	6.900469537	43.29609905	1.593003041	9.258120989	5.969829451	0
8.65	2.98	37.2	2.02	-0.228423397	7.251837675	40.29041242	1.593003041	9.284756627	5.986082525	0
8.68	2.84	35.41	1.89	-0.214723166	7.511843762	38.67698116	1.593003041	9.312259659	6.002862274	0
8.69	2.77	34.01	1.8	-0.209442325	7.702547454	36.80469737	1.593003041	9.340393582	6.020018047	0
8.71	2.7	33.14	1.73	-0.20082521	7.857585072	35.55125078	1.593003041	9.369037883	6.037472196	0
8.73	2.56	31.68	1.64	-0.174340432	8.066405368	33.39677349	1.593003041	9.399256572	6.055862189	0
8.75	2.42	30.32	1.54	-0.143473294	8.312313512	31.59510366	1.593003041	9.430509354	6.074842367	0
8.77	2.42	29.77	1.51	-0.146323757	8.389207474	30.87714925	1.593003041	9.462092319	6.0940023	0
8.79	2.28	28.3	1.41	-0.107877087	8.657027986	28.89802512	1.593003041	9.495811052	6.114386581	0
8.81	2.21	27.18	1.34	-0.086629439	8.856056815	27.29250733	1.593003041	9.530435568	6.135245323	0
8.83	2.01	24.7	1.18	-0.005509757	9.353061934	24.2604397	1.593003041	9.568976586	6.158187654	0
8.85	2.01	24.33	1.16	-0.005604752	9.419878097	23.7769027	1.593003041	9.607980026	6.18134105	0
8.87	1.94	23.31	1.1	0.031315817	9.627465834	22.7385339	1.59302691	9.648535423	6.205215473	0
8.89	1.87	22.22	1.03	0.074661482	9.884464978	21.62246483	1.593086868	9.692531758	6.230773998	0
8.91	1.66	20.08	0.9	0.238347206	10.41181742	19.09079606	1.593304055	9.743931211	6.259331704	0
8.93	1.73	20.49	0.93	0.179352006	10.28365346	19.45965461	1.593464682	9.793616151	6.287277478	0
8.95	1.8	21.86	1	0.120975136	10	21.1412	1.593564604	9.839014242	6.313379279	0
8.97	1.87	22.99	1.06	0.072548421	9.772247213	22.50558305	1.593620998	9.881263537	6.337978711	0
8.99	1.94	23.4	1.08	0.031895739	9.699186201	23.3565133	1.593644931	9.923010976	6.362353329	0
9.01	2.07	25.21	1.19	-0.034017747	9.320077347	25.74857769	1.593644931	9.96217197	6.385548032	0
9.03	2.14	26.87	1.28	-0.061641123	9.035110273	28.04769282	1.593644931	9.99869068	6.407339446	0
9.05	2.28	28.37	1.37	-0.111026783	8.769514896	29.98805775	1.593644931	10.03284868	6.427827796	0
9.07	2.35	29.05	1.41	-0.132652847	8.657027986	30.62328423	1.593644931	10.06648443	6.448033705	0
9.09	2.42	30.27	1.48	-0.149289779	8.467644561	32.05909504	1.593644931	10.09928791	6.467788903	0
9.11	2.42	30.53	1.49	-0.148287835	8.441323584	32.28460177	1.593644931	10.13208755	6.48754076	0
9.13	2.42	31.18	1.53	-0.144411028	8.377777123	32.52308384	1.593644931	10.16436286	6.506995412	0
9.15	2.7	35.67	1.8	-0.19301534	7.702547454	36.51993419	1.593644931	10.1932589	6.524503456	0
9.17	2.7	36.56	1.86	-0.186789039	7.574383502	36.57147161	1.593644931	10.22171778	6.541752643	0
9.19	2.7	36.69	1.86	-0.186789039	7.574383502	36.45202358	1.593644931	10.25020392	6.559013907	0
9.21	2.83	38.52	1.97	-0.203934984	7.349803965	38.46196513	1.593644931	10.27720137	6.575382158	0
9.23	2.63	36.14	1.82	-0.174221039	7.659357508	35.9761554	1.593644931	10.30611085	6.592883626	0
9.25	2.56	34.3	1.7	-0.16818724	7.925959708	34.34413453	1.593644931	10.33598155	6.610928839	0
9.26	2.28	30.11	1.44	-0.105629648	8.574737571	29.71463834	1.593644931	10.36953113	6.631023491	0
9.28	2.21	28.84	1.36	-0.085355476	8.798149825	28.24003736	1.593644931	10.4052927	6.652336818	0
9.3	2.21	29.43	1.39	-0.083513272	8.712866798	28.79863863	1.593644931	10.43964802	6.677284034	0
9.32	2.14	28.66	1.35	-0.05844916	8.826996084	27.59619094	1.593644931	10.47557616	6.694217633	0
9.34	2.07	27.42	1.27	-0.031874897	9.065766511	25.92981472	1.593644931	10.51298878	6.716321751	0
9.36	2.07	27.79	1.29	-0.031380712	9.004692607	25.8239276	1.593644931	10.5500096	6.738221958	0
9.38	2	26.76	1.23	-0.000601454	9.190853997	24.25861577	1.593644931	10.58920953	6.761258125	0
9.4	1.8	24.3	1.08	0.112014015	9.699186201	21.55789621	1.593739539	10.63248979	6.786058979	0
9.42	1.45	19.07	0.8	0.463451393	10.87219012	15.87557201	1.594272015	10.70292064	6.818069056	0
9.44	1.24	16.16	0.65	0.84845895	11.68377979	12.7891822	1.595484082	10.70292064	6.859317594	0
9.46	1.1	13.81	0.53	1.301689542	12.48151717	10.39947529	1.59777467	10.70292064	6.923414376	0
9.48	1.04	13.11	0.5	1.509382635	12.70926996	9.673787923	1.600634977	10.70292064	6.923414376	0
9.5	1.03	12.91	0.49	1.56296527	12.78823528	9.478767872	1.603662379	10.70292064	6.923414376	0
9.52	1.03	12.58	0.47	1.62947443	12.95111928	9.13688514	1.606942413	10.70292064	6.923414376	0
9.54	0.9	11.21	0.41	2.248085183	13.48494529	7.755192036	1.612282607	10.70292064	6.923414376	0
9.56	0.97	11.83	0.43	1.942295783	13.2987839	8.344587934	1.616577515	10.70292064	6.923414376	0
9.58	0.97	12.85	0.48	1.739973306	12.86882886	8.366025644	1.620421418	10.70292064	6.9	

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(lp20%) (mm)	Ced.-RER(lp40%) (mm)	Ced.-RER(lp55%) (mm)
9.86	1.52	21.75	0.9	0.351440062	10.41181742	16.20120437	1.639305395	10.96997191	7.43020245	0
9.88	1.45	21.41	0.88	0.421319448	10.49965595	15.82613141	1.63809238	11.03170791	7.460525223	0
9.89	0.83	11.27	0.4	1	13.58146008	6.810966415	1.642592103	11.03170791	7.460525223	0
9.91	0.76	10.37	0.36	1	13.99327749	6.078959609	1.645714677	11.03170791	7.460525223	0
9.93	0.62	7.71	0.25	1	15.41853992	3.989084649	1.650480682	11.03170791	7.460525223	0
9.95	0.62	7.55	0.24	1	15.57809882	3.845921038	1.655430862	11.03170791	7.460525223	0
9.97	0.55	7.33	0.23	1	15.74444948	3.642635831	1.660664984	11.03170791	7.460525223	0
9.99	0.62	7.76	0.25	1	15.41853992	3.904282679	1.665555511	11.03170791	7.460525223	0
10.01	0.55	7.01	0.22	1	15.91819587	3.3775228	1.671217057	11.03170791	7.460525223	0
10.03	0.48	6.13	0.18	1	16.70254745	2.821060265	1.678004576	11.03170791	7.460525223	0
10.05	0.48	6.13	0.18	1	16.70254745	2.841270347	1.68475367	11.03170791	7.460525223	0
10.07	0.41	4.66	0.13	1	17.97450983	1.905118297	1.694833883	11.03170791	7.460525223	0
10.09	0.41	5.14	0.15	1	17.41517867	2.215384878	1.703514994	11.03170791	7.460525223	0
10.11	0.48	5.58	0.16	1	17.16292016	2.5407987	1.711095287	11.03170791	7.460525223	0
10.13	0.48	5.77	0.17	1	16.92595971	2.664653837	1.718333751	11.03170791	7.460525223	0
10.15	0.48	6.32	0.19	1	16.49121759	3.034713861	1.724698766	11.03170791	7.460525223	0
10.17	0.55	7.24	0.22	1	15.91819587	3.68792762	1.729943988	11.03170791	7.460525223	0
10.19	0.69	9	0.29	1	14.83841802	4.977844093	1.733835633	11.03170791	7.460525223	0
10.21	0.69	9.3	0.3	1	14.70590871	5.245597636	1.737534353	11.03170791	7.460525223	0
10.23	0.76	9.77	0.32	1	14.4536502	5.618422904	1.740992619	11.03170791	7.460525223	0
10.25	0.76	9.76	0.32	1	14.4536502	5.667709851	1.744426105	11.03170791	7.460525223	0
10.27	0.76	9.88	0.32	1	14.4536502	5.792155779	1.747790655	11.03170791	7.460525223	0
10.29	0.83	11.07	0.37	1	13.88618448	6.665785138	1.750718142	11.03170791	7.460525223	0
10.31	0.83	11.07	0.37	1	13.88618448	6.564832576	1.753695218	11.03170791	7.460525223	0
10.33	0.83	11.38	0.38	1	13.78194763	6.716218719	1.756609357	11.03170791	7.460525223	0
10.35	0.89	12.74	0.44	2.124142233	13.20892591	7.782434969	1.761958447	11.03170791	7.460525223	0
10.36	0.89	12.88	0.45	2.076939072	13.12108738	7.845885407	1.767154311	11.03170791	7.460525223	0
10.38	0.96	13.42	0.47	1.802464936	12.95111928	9.153851106	1.771024732	11.03170791	7.460525223	0
10.4	0.96	12.19	0.42	2.017044096	13.39075639	8.98385846	1.775445505	11.03170791	7.460525223	0
10.42	0.96	11.75	0.4	2.1178963	13.58146008	9.335895658	1.779919542	11.03170791	7.460525223	0
10.44	0.96	11.02	0.36	2.353218111	13.99327749	9.703358412	1.784711117	11.03170791	7.460525223	0
10.46	0.96	10.72	0.35	2.420452915	14.1033876	9.733876054	1.789633699	11.03170791	7.460525223	0
10.48	0.96	10.09	0.32	2.647370375	14.4536502	9.69594216	1.795049155	11.03170791	7.460525223	0
10.5	1.03	10.84	0.35	2.188151378	14.1033876	10.82561929	1.79906623	11.03170791	7.460525223	0
10.52	1.17	12.62	0.43	1.438664204	13.2987839	13.54733817	1.801180791	11.03170791	7.460525223	0
10.54	1.65	18.51	0.69	0.321003925	11.45035818	22.74693806	1.801462353	11.03170791	7.503202445	0
10.56	5.92	80.06	4.28	-0.293078444	4.317006079	97.89398397	1.801462353	11.04987662	7.513960862	0
10.58	8.94	129.54	7.8	-0.221866385	1.971148576	67.64599509	1.801462353	11.06272865	7.521286242	0
10.6	13.41	216.09	14.75	-0.149082071	-0.519128183	-26.77477319	1.801462353	11.07142332	7.525818618	0
10.62				0			1.801462353	11.07142332	7.525818618	0
10.64				0			1.801462353	11.07142332	7.525818618	0
10.65				0			1.801462353	11.07142332	7.525818618	0
10.67				0			1.801462353	11.07142332	7.525818618	0
10.69				0			1.801462353	11.07142332	7.525818618	0
10.71				0			1.801462353	11.07142332	7.525818618	0
10.73				0			1.801462353	11.07142332	7.525818618	0
10.75	5.98	117.85	6.79	-0.186454367	2.513172031	59.07356624	1.801462353	11.08665318	7.534626414	0
10.77	2.47	42.27	1.88	-0.130092498	7.532579357	35.95262464	1.801462353	11.12115974	7.554115857	0
10.79	0.69	9.23	0.28	1	14.97557772	5.179303554	1.805407285	11.12115974	7.554115857	0
10.81	0.82	12.08	0.39	1	13.68041854	7.533122467	1.808123821	11.12115974	7.554115857	0
10.83	0.76	10.43	0.33	1	14.33337454	6.111177569	1.811477021	11.12115974	7.554115857	0
10.85	0.89	12.54	0.41	2.279567274	13.48494529	7.979986074	1.817338776	11.12115974	7.554115857	0
10.86	0.89	13.15	0.43	2.173540889	13.2987839	8.601387451	1.822532195	11.12115974	7.554115857	0
10.88	1.17	17.06	0.6	1.03104268	11.99663875	12.16915041	1.824275855	11.12115974	7.554115857	0
10.9	1.24	18.2	0.65	0.84845895	11.68373797	13.2673993	1.825593878	11.12115974	7.554115857	0
10.92	1.17	17.29	0.61	1.014140341	11.93203148	12.37995995	1.827284664	11.12115974	7.554115857	0
10.94	1.03	15.24	0.52	1.472794197	12.55596991	10.45271939	1.830190708	11.12115974	7.554115857	0
10.96	0.82	11.28	0.36	1	13.99327749	6.93226967	1.833183113	11.12115974	7.554115857	0
10.98	0.62	8.24	0.24	1	15.57809882	4.460788598	1.837830274	11.12115974	7.554115857	0
11	0.62	8.11	0.23	1	15.74444948	4.399628962	1.842548399	11.12115974	7.554115857	0
11.02	0.55	7.06	0.2	1	16.29073004	3.597319007	1.848327147	11.12115974	7.554115857	0
11.04	0.48	6.39	0.17	1	16.92595971	3.155168149	1.854925211	11.12115974	7.554115857	0
11.06	0.48	5.82	0.15	1	17.41517867	2.781378185	1.862420775	11.12115974	7.554115857	0
11.08	0.41	5.35	0.14	1	17.68484768	2.437679404	1.870985478	11.12115974	7.554115857	0
11.09	0.41	5.23	0.13	1	17.97450983	2.363648043	1.879830281	11.12115974	7.554115857	0
11.11	0.41	4.83	0.12	1	18.28736879	2.101767295	1.889792373	11.12115974	7.554115857	0
11.13	0.34	4.63	0.11	1	18.62746583	1.991648647	1.90031933	11.12115974	7.554115857	0
11.15	0.41	5.36	0.14	1	17.68484768	2.453949464	1.908875334	11.12115974	7.554115857	0
11.17	0.41	5.34	0.14	1	17.68484768	2.424062071	1.917549204	11.12115974	7.554115857	0
11.19	0.41	5.16	0.13	1	17.97450983	2.291929748	1.926736222	11.12115974	7.554115857	0
11.21	0.48	6.02	0.16	1	17.16292016	2.861745307	1.934104453	11.12115974	7.554115857	0
11.23	0.48	6.31	0.17	1	16.92595971	3.066814639	1.940989773	11.12115974	7.554115857	0
11.25	0.55	7.39	0.2	1	16.29073004	3.876053398	1.946444806	11.12115974	7.554115857	0
11.26	0.62	8.44	0.24	1	15.57809882	4.705208969	1.95094535	11.12115974	7.554115857	0
11.28	0.69	9.47	0.28	1	14.97557772	5.548751056	1.954767111	11.12115974	7.554115857	0
11.3	0.82	11.24	0.34	1	14.21668975	7.226912066	1.957705572	11.12115974	7.554115857	0
11.32	0.75	10.95	0.33	1	14.33337454	7.031093547	1.960730421	11.12115974	7.554115857	0
11.34	0.75	10.53	0.31	1	14.57774476	6.721360774	1.963899125	11.12115974	7.554115857	0
11.36	0.75	10.17	0.3	1	14.70590871	6.413246787	1.967225054	11.12115974	7.554115857	0
11.38	0.69	9.36	0.27	1	15.11772612	5.704220421	1.970969649	11.12115974	7.554115857	0
11.4	0.75	10.78	0.32	1	14.4536502	6.689727456	1.974167089	11.12115974	7.554115857	0
11.42	0.75	10.7	0.32	1	14.4536502	6.557910167	1.977433678	11.12115974	7.554115857	0
11.43	0.69	9.75	0.28	1	14.97557772	5.74223552	1.981169506	11.12115974	7.554115857	0
11.45	0.69	10.03	0.29	1	14.83841802	5.944715411	1.984783135	11.12115974	7.554115857	0
11.47	0.75	10.7	0.32	1	14.4536502	6.412506446	1.98813783	11.12115974	7.554115857	0
11.49	0.82	11.64	0.35	1	14.1033876	7.296669643	1.991090136	11.12115974	7.554115857	0
11.51	0.89	12.95	0.4	2.336556456	13.58146008	8.569086422	1.996972778	11.12115974	7.554115857	0
11.53	0.89	12.84	0.39	2.39646816	13.68041854	8.456550718	2.003094482	11.12115974	7.554115857	0
11.55	0.89	13.54	0.42	2.225291863	13.39075639	9.056168544	2.008409922	11.12115974	7.554115857	0
11.57	1.03	15.46	0.5	1.531705965	12.70926996	10.78356138	2.011487094	11.12115974	7.554115857	0
11.58	1.17	17.94	0.6	1.03104268	11.99663875	13.15539408	2.013187343	11.12115974	7.554115857	0
11.6	1.1	17.38	0.57	1.210342						

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(lp20%) (mm)	Ced.-RER(lp40%) (mm)	Ced.-RER(lp55%) (mm)
11.76	0.89	13.6	0.42	2.225291863	13.39075639	8.751930559	2.04858483	11.12115974	7.554115857	0
11.78	0.89	14.18	0.44	2.124142233	13.20892591	9.226963106	2.05402265	11.12115974	7.554115857	0
11.8	0.96	15.51	0.49	1.728894939	12.78823528	10.41499458	2.057678978	11.12115974	7.554115857	0
11.82	1.03	16.95	0.54	1.418246263	12.40845616	11.67747401	2.060357954	11.12115974	7.554115857	0
11.84	1.03	16.96	0.54	1.418246263	12.40845616	11.53266733	2.063074258	11.12115974	7.554115857	0
11.85	0.96	15.88	0.5	1.69431704	12.70926996	10.41639057	2.066671618	11.12115974	7.554115857	0
11.87	0.96	15.15	0.47	1.802464936	12.95111928	9.625271848	2.070818762	11.12115974	7.554115857	0
11.89	0.89	13.64	0.41	2.279567274	13.48494529	8.395726937	2.07683934	11.12115974	7.554115857	0
11.91	0.75	11.68	0.34	1	14.21668975	6.643174785	2.080181718	11.12115974	7.554115857	0
11.93	0.62	9.59	0.26	1	15.26523987	5.079203261	2.084558782	11.12115974	7.554115857	0
11.95	0.55	8.14	0.22	1	15.91819587	3.974773509	2.090159101	11.12115974	7.554115857	0
11.97	0.55	8.02	0.21	1	16.10002635	3.930982433	2.09582944	11.12115974	7.554115857	0
11.99	0.48	7.39	0.19	1	16.49121759	3.553197742	2.102111105	11.12115974	7.554115857	0
12.01	0.48	7.07	0.18	1	16.70254745	3.391953337	2.108700229	11.12115974	7.554115857	0
12.03	0.55	8.38	0.22	1	15.91819587	4.389760876	2.113798001	11.12115974	7.554115857	0
12.04	0.62	9.61	0.26	1	15.26523987	5.343902521	2.117991191	11.12115974	7.554115857	0
12.06	0.68	9.91	0.27	1	15.11772612	5.56181144	2.122025488	11.12115974	7.554115857	0
12.08	0.68	10.64	0.3	1	14.70590871	6.15354044	2.12567672	11.12115974	7.554115857	0
12.1	0.75	11.81	0.34	1	14.21668975	7.059297294	2.128863439	11.12115974	7.554115857	0
12.12	1.03	16.28	0.5	1.531705965	12.70926996	10.90074085	2.132028937	11.12115974	7.554115857	0
12.14	0.96	16.28	0.5	1.69431704	12.70926996	10.70171368	2.135600049	11.12115974	7.554115857	0
12.16	0.89	14.2	0.42	2.225291863	13.39075639	8.844606086	2.141283255	11.12115974	7.554115857	0
12.18	0.82	13.4	0.39	1	13.68041854	8.11207778	2.144071196	11.12115974	7.554115857	0
12.2	0.82	12.77	0.37	1	13.88618448	7.594909741	2.147052667	11.12115974	7.554115857	0
12.22	0.75	12.47	0.36	1	13.99327749	7.322822045	2.150149014	11.12115974	7.554115857	0
12.23	0.75	11.68	0.33	1	14.33337454	6.693685911	2.153540867	11.12115974	7.554115857	0
12.25	0.89	14.47	0.43	2.173540889	13.2987839	8.862575566	2.159115876	11.12115974	7.554115857	0
12.27	0.96	16.09	0.49	1.728894939	12.78823528	10.23749387	2.162959893	11.12115974	7.554115857	0
12.29	0.96	16	0.49	1.728894939	12.78823528	10.15360305	2.166840438	11.12115974	7.554115857	0
12.31	0.89	14.44	0.43	2.173540889	13.2987839	8.799938294	2.172476865	11.12115974	7.554115857	0
12.33	0.78	12.33	0.35	1	14.1033876	7.097811878	2.175696167	11.12115974	7.554115857	0
12.35	0.71	11.21	0.31	1	14.57774476	6.196999296	2.179387954	11.12115974	7.554115857	0
12.37	0.64	9.73	0.26	1	15.26523987	5.057373968	2.183917577	11.12115974	7.554115857	0
12.38	0.64	9.63	0.26	1	15.26523987	4.987306517	2.188516452	11.12115974	7.554115857	0
12.4	0.57	9.01	0.23	1	15.74444948	4.580375242	2.193530452	11.12115974	7.554115857	0
12.42	0.57	8.82	0.23	1	15.74444948	4.466227983	2.198678868	11.12115974	7.554115857	0
12.44	0.5	7.86	0.2	1	16.29073004	3.722268907	2.204863805	11.12115974	7.554115857	0
12.46	0.5	7.34	0.18	1	16.70254745	3.52139808	2.211410069	11.12115974	7.554115857	0
12.48	0.43	6.5	0.15	1	17.41517867	2.999764526	2.219104673	11.12115974	7.554115857	0
12.5	0.43	6.2	0.15	1	17.41517867	2.764137158	2.227465329	11.12115974	7.554115857	0
12.52	0.5	6.89	0.17	1	16.92595971	3.255031311	2.234574938	11.12115974	7.554115857	0
12.54	0.5	7.68	0.19	1	16.49121759	3.799411621	2.240673251	11.12115974	7.554115857	0
12.55	0.64	9.28	0.24	1	15.57809882	4.979539289	2.245332718	11.12115974	7.554115857	0
12.57	0.64	9.33	0.24	1	15.57809882	4.940749823	2.250034433	11.12115974	7.554115857	0
12.59	0.85	13.22	0.37	2.669582858	13.88618448	8.022048776	2.257774912	11.12115974	7.554115857	0
12.61	0.85	13.15	0.37	2.669582858	13.88618448	7.890685471	2.265654403	11.12115974	7.554115857	0
12.63	0.68	11.31	0.31	1	14.57774476	6.340006972	2.269323217	11.12115974	7.554115857	0
12.65	0.14	2.1	0.04	1	22.58146008	0.50898611	2.315199973	11.12115974	7.554115857	0
12.67	0.62	9.98	0.26	1	15.26523987	5.337185815	2.319580184	11.12115974	7.554115857	0
12.69	0.55	8.69	0.22	1	15.91819587	4.356173482	2.324953248	11.12115974	7.554115857	0
12.7	0.5	7.78	0.19	1	16.49121759	3.688425726	2.331307179	11.12115974	7.554115857	0
12.72	0.5	7.63	0.19	1	16.49121759	3.575955623	2.337868781	11.12115974	7.554115857	0
12.74	0.5	7.72	0.19	1	16.49121759	3.683313449	2.344247277	11.12115974	7.554115857	0
12.76	0.5	7.85	0.19	1	16.49121759	3.748123934	2.350523484	11.12115974	7.554115857	0
12.78	0.57	8.71	0.22	1	15.91819587	4.334365554	2.355957266	11.12115974	7.554115857	0
12.8	0.5	7.81	0.19	1	16.49121759	3.752081826	2.362241778	11.12115974	7.554115857	0
12.82	0.5	6.78	0.16	1	17.16292016	3.074737146	2.369921133	11.12115974	7.554115857	0
12.84	0.43	6.63	0.15	1	17.41517867	2.967894749	2.377886375	11.12115974	7.554115857	0
12.86	0.5	7.94	0.19	1	16.49121759	3.816562487	2.384088291	11.12115974	7.554115857	0
12.88	0.64	10.44	0.27	1	15.11772612	5.496200509	2.388399997	11.12115974	7.554115857	0
12.89	0.64	10.63	0.28	1	14.97557772	5.577803677	2.392653643	11.12115974	7.554115857	0
12.91	0.71	11.28	0.3	1	14.70590871	6.055452028	2.396576719	11.12115974	7.554115857	0
12.93	0.85	13.51	0.37	2.669582858	13.88618448	7.833752114	2.404681821	11.12115974	7.554115857	0
12.95	0.71	11.84	0.32	1	14.4536502	6.47841509	2.408358029	11.12115974	7.554115857	0
12.97	0.71	10.85	0.28	1	14.97557772	5.772336431	2.412488765	11.12115974	7.554115857	0
12.99	0.64	9.72	0.25	1	15.41853992	4.948117832	2.417313226	11.12115974	7.554115857	0
13.01	0.57	8.73	0.21	1	16.10002635	4.284700012	2.422891679	11.12115974	7.554115857	0
13.03	0.57	8.67	0.21	1	16.10002635	4.227544918	2.428552175	11.12115974	7.554115857	0
13.04	0.64	10.25	0.26	1	15.26523987	5.340544168	2.433038235	11.12115974	7.554115857	0
13.06	0.71	11.59	0.3	1	14.70590871	6.308981895	2.43684075	11.12115974	7.554115857	0
13.08	0.64	10.13	0.26	1	15.26523987	5.18224363	2.441475422	11.12115974	7.554115857	0
13.1	0.64	10.41	0.27	1	15.11772612	5.377828714	2.445947115	11.12115974	7.554115857	0
13.12	0.64	10.68	0.27	1	15.11772612	5.499072877	2.450325308	11.12115974	7.554115857	0
13.14	0.64	9.87	0.25	1	15.41853992	4.877192548	2.455267495	11.12115974	7.554115857	0
13.16	0.71	12.04	0.32	1	14.4536502	6.498216591	2.458981437	11.12115974	7.554115857	0
13.18	0.85	13.93	0.38	2.599330678	13.78194763	7.984709179	2.4668471	11.12115974	7.554115857	0
13.2	0.78	13.11	0.35	1	14.1033876	7.38679029	2.470121865	11.12115974	7.554115857	0
13.21	0.71	11.32	0.29	1	14.83841802	6.085531998	2.474101796	11.12115974	7.554115857	0
13.23	0.57	9.15	0.22	1	15.91819587	4.512649348	2.479475136	11.12115974	7.554115857	0
13.25	0.5	8.23	0.2	1	16.29073004	3.826692486	2.485819518	11.12115974	7.554115857	0
13.27	0.57	9.25	0.23	1	15.74444948	4.538180117	2.49117541	11.12115974	7.554115857	0
13.29	0.57	9.38	0.23	1	15.74444948	4.609345029	2.496454685	11.12115974	7.554115857	0
13.31	0.5	7.69	0.18	1	16.70254745	3.451080355	2.503514503	11.12115974	7.554115857	0
13.33	0.5	7.76	0.18	1	16.70254745	3.536096322	2.510412505	11.12115974	7.554115857	0
13.34	0.43	6.66	0.15	1	17.41517867	2.801753944	2.519129188	11.12115974	7.554115857	0
13.36	0.43	6.69	0.15	1	17.41517867	2.855044391	2.527692978	11.12115974	7.554115857	0
13.38	0.5	8.34	0.2	1	16.29073004	3.482958082	2.534720338	11.12115974	7.554115857	0
13.4	0.64	10.39	0.26	1	15.26523987	5.46480322	2.539205037	11.12115974	7.554115857	0
13.42	0.71	11.21	0.29	1	14.83841802	6.147408201	2.543196313	11.12115974	7.554115857	0
13.44	0.71	12.24	0.32	1	14.4536502	6.960010715	2.546725905	11.12115974	7.554115857	0
13.46										

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(lp20%) (mm)	Ced.-RER(lp40%) (mm)	Ced.-RER(lp55%) (mm)
13.62	1.06	18.35	0.52	1.409012305	12.55596991	12.7778339	2.736742595	11.12115974	7.554115857	0
13.64	1.13	20.1	0.58	1.135881621	12.12914806	14.40772981	2.738705986	11.12115974	7.554115857	0
13.66	1.13	19.95	0.57	1.155809369	12.1971263	14.40285462	2.740706905	11.12115974	7.554115857	0
13.68	1.21	21	0.61	0.95047691	11.93203148	15.1807657	2.742270041	11.12115974	7.554115857	0
13.7	1.21	21.52	0.63	0.92030304	11.80593505	15.69008769	2.7437363	11.12115974	7.554115857	0
13.72	1.21	20.37	0.59	0.982696466	12.0623319	14.67249989	2.745412561	11.12115974	7.554115857	0
13.74	1.13	20.08	0.57	1.155809369	12.1971263	14.56946736	2.747400435	11.12115974	7.554115857	0
13.75	1.06	18.43	0.51	1.436639997	12.63186842	12.95549688	2.750182896	11.12115974	7.554115857	0
13.77	1.06	18.44	0.51	1.436639997	12.63186842	12.99389776	2.752960452	11.12115974	7.554115857	0
13.79	1.06	18.28	0.51	1.436639997	12.63186842	12.82260963	2.755778696	11.12115974	7.554115857	0
13.81	0.99	17.37	0.48	1.690854963	12.86882886	11.99284768	2.759329635	11.12115974	7.554115857	0
13.83	1.06	17.66	0.49	1.495278364	12.78823528	12.18450269	2.762424135	11.12115974	7.554115857	0
13.85	1.06	18.6	0.52	1.409012305	12.55596991	12.98689079	2.765163633	11.12115974	7.554115857	0
13.87	1.13	19.87	0.56	1.176448822	12.26630776	14.15274323	2.767265036	11.12115974	7.554115857	0
13.88	1.2	21.45	0.61	0.966193255	11.93203148	15.56736352	2.768836033	11.12115974	7.554115857	0
13.9	1.2	21.53	0.62	0.950609493	11.86847479	15.71314852	2.770369287	11.12115974	7.554115857	0
13.92	1.2	21.61	0.62	0.950609493	11.86847479	15.91657418	2.771884737	11.12115974	7.554115857	0
13.94	1.2	21.73	0.62	0.950609493	11.86847479	16.03169838	2.773391201	11.12115974	7.554115857	0
13.96	1.13	19.89	0.56	1.176448822	12.26630776	14.41315694	2.775467534	11.12115974	7.554115857	0
13.98	1.13	19.67	0.55	1.197838801	12.33673579	14.31480801	2.777598653	11.12115974	7.554115857	0
13.99	1.06	18.53	0.51	1.436639997	12.63186842	13.26737772	2.780360102	11.12115974	7.554115857	0
14.01	0.99	17.27	0.46	1.764370396	13.03517951	12.11372267	2.784079143	11.12115974	7.554115857	0
14.03	1.06	18.48	0.5	1.465372797	12.70926996	13.19578082	2.786918212	11.12115974	7.554115857	0
14.05	1.06	18.64	0.51	1.436639997	12.63186842	13.31474722	2.789680195	11.12115974	7.554115857	0
14.07	1.06	18.98	0.52	1.409012305	12.55596991	13.54462698	2.792346209	11.12115974	7.554115857	0
14.08	1.13	20.57	0.57	1.155809369	12.1971263	14.93965015	2.794331555	11.12115974	7.554115857	0
14.1	1.2	21.2	0.59	0.998945569	12.0623319	15.57186736	2.795979714	11.12115974	7.554115857	0
14.12	1.2	20.82	0.58	1.016168768	12.12914806	15.49595698	2.797666601	11.12115974	7.554115857	0
14.14	1.2	20.83	0.58	1.016168768	12.12914806	15.61021355	2.799343354	11.12115974	7.554115857	0
14.16	1.2	20.58	0.57	1.03399629	12.1971263	15.41241076	2.801073434	11.12115974	7.554115857	0
14.18	1.13	19.74	0.54	1.220021001	12.40845616	14.60872361	2.803229911	11.12115974	7.554115857	0
14.2	1.13	20.01	0.55	1.197838801	12.33673579	15.02799471	2.80529066	11.12115974	7.554115857	0
14.22	1.13	19.88	0.54	1.220021001	12.40845616	15.05245	2.807388755	11.12115974	7.554115857	0
14.24	1.13	19.2	0.52	1.266944885	12.55596991	14.33402081	2.809679753	11.12115974	7.554115857	0
14.25	1.13	20.35	0.56	1.176448822	12.26630776	15.19219015	2.811689417	11.12115974	7.554115857	0
14.27	1.13	20.44	0.56	1.176448822	12.26630776	15.02082983	2.813724514	11.12115974	7.554115857	0
14.29	1.2	22.79	0.64	0.920902946	11.74438023	15.64504124	2.815255757	11.12115974	7.554115857	0
14.31	1.13	20.74	0.57	1.155809369	12.1971263	14.94928588	2.817269513	11.12115974	7.554115857	0
14.32	1.06	19.05	0.51	1.436639997	12.63186842	13.37575915	2.820070453	11.12115974	7.554115857	0
14.34	0.99	17.07	0.45	1.803578627	13.12108738	11.48305083	2.824171091	11.12115974	7.554115857	0
14.36	0.92	15.67	0.4	2.240810948	13.58146008	10.14820278	2.829943029	11.12115974	7.554115857	0
14.38	0.85	15.22	0.38	2.599330678	13.78194763	9.778429663	2.836900146	11.12115974	7.554115857	0
14.4	0.85	14.47	0.36	2.743737938	13.99327749	9.111582707	2.84479026	11.12115974	7.554115857	0
14.42	0.92	15.46	0.39	2.298267639	13.68041854	10.01570802	2.850810538	11.12115974	7.554115857	0
14.44	1.06	18.8	0.5	1.465372797	12.70926996	13.17417506	2.853732124	11.12115974	7.554115857	0
14.45	1.06	19.64	0.53	1.382427167	12.48151717	13.98978371	2.856330811	11.12115974	7.554115857	0
14.47	1.2	21.55	0.59	0.998945569	12.0623319	15.87499376	2.857987645	11.12115974	7.554115857	0
14.49	0.57	8.82	0.19	1	16.49121759	4.630568987	2.863680682	11.12115974	7.554115857	0
14.51	1.13	20.28	0.54	1.220021001	12.40845616	14.92575966	2.865838109	11.12115974	7.554115857	0
14.53	0.92	16.57	0.42	2.134105665	13.39075639	11.32697301	2.87081701	11.12115974	7.554115857	0
14.55	0.99	16.84	0.43	1.887466006	13.2987839	11.52419418	2.875150378	11.12115974	7.554115857	0
14.56	0.99	17.04	0.44	1.844569051	13.20892591	11.63151598	2.879351261	11.12115974	7.554115857	0
14.58	1.03	17.79	0.46	1.664897788	13.03517951	12.32124273	2.882935024	11.12115974	7.554115857	0
14.6	1.03	18.11	0.47	1.62947443	12.95111928	12.6088212	2.886366674	11.12115974	7.554115857	0
14.62	1.03	17.82	0.46	1.664897788	13.03517951	12.3334958	2.889955517	11.12115974	7.554115857	0
14.64	1.03	18.07	0.47	1.62947443	12.95111928	12.55598063	2.893409914	11.12115974	7.554115857	0
14.66	1.03	17.89	0.46	1.664897788	13.03517951	12.37273169	2.896995719	11.12115974	7.554115857	0
14.68	0.96	16.87	0.43	1.970136093	13.2987839	11.42804397	2.901595559	11.12115974	7.554115857	0
14.69	0.96	16.5	0.41	2.066240293	13.48494529	11.18697576	2.906529648	11.12115974	7.554115857	0
14.71	0.96	16.05	0.4	2.1178963	13.58146008	10.82483113	2.911762548	11.12115974	7.554115857	0
14.73	0.96	16.12	0.4	2.1178963	13.58146008	10.99174727	2.916922149	11.12115974	7.554115857	0
14.75	0.88	15.23	0.37	2.561286735	13.88618448	10.11733515	2.923709321	11.12115974	7.554115857	0
14.77	0.96	16.19	0.4	2.1178963	13.58146008	10.93606328	2.928907975	11.12115974	7.554115857	0
14.79	0.96	16.12	0.4	2.1178963	13.58146008	10.76520852	2.934195039	11.12115974	7.554115857	0
14.8	0.96	16.84	0.42	2.017044096	13.39075639	11.34839822	2.938977619	11.12115974	7.554115857	0
14.82	0.96	16.51	0.41	2.066240293	13.48494529	10.92374963	2.944073352	11.12115974	7.554115857	0
14.84	0.96	16.45	0.41	2.066240293	13.48494529	10.80481241	2.949230915	11.12115974	7.554115857	0
14.86	1.03	17.45	0.44	1.74057496	13.20892591	11.61077797	2.953278792	11.12115974	7.554115857	0
14.88	1.03	17.69	0.45	1.701895516	13.12108738	11.71411318	2.957206451	11.12115974	7.554115857	0
14.9	0.96	16.92	0.42	2.017044096	13.39075639	10.98135759	2.962177538	11.12115974	7.554115857	0
14.92	0.96	16.98	0.42	2.017044096	13.39075639	10.96153927	2.967163501	11.12115974	7.554115857	0
14.93	0.88	15.36	0.37	2.561286735	13.88618448	9.364842816	2.974582468	11.12115974	7.554115857	0
14.95	0.81	14.63	0.35	1	14.1033876	8.61449018	2.977735064	11.12115974	7.554115857	0
14.97	0.88	15.12	0.36	2.632433589	13.99327749	8.946601965	2.985734816	11.12115974	7.554115857	0
14.99	0.96	16.95	0.42	2.017044096	13.39075639	10.39229822	2.991017566	11.12115974	7.554115857	0
15	0.88	16.6	0.41	2.311405103	13.48494529	9.974004934	2.997332561	11.12115974	7.554115857	0
15.02	0.88	16.32	0.4	2.36919023	13.58146008	9.787886649	3.003935774	11.12115974	7.554115857	0
15.04	0.88	16.62	0.41	2.311405103	13.48494529	10.01230218	3.010240004	11.12115974	7.554115857	0
15.06	0.96	16.8	0.41	2.066240293	13.48494529	10.28092229	3.015734745	11.12115974	7.554115857	0
15.08	0.88	16.26	0.4	2.36919023	13.58146008	9.900476953	3.022284403	11.12115974	7.554115857	0
15.1	0.88	15.98	0.39	2.429938698	13.68041854	9.725409538	3.02913092	11.12115974	7.554115857	0
15.11	0.88	15.57	0.37	2.561286735	13.88618448	9.368453224	3.036630687	11.12115974	7.554115857	0
15.13	0.88	16.07	0.39	2.429938698	13.68041854	9.586690094	3.043591481	11.12115974	7.554115857	0
15.15	0.88	15.5	0.37	2.561286735	13.88618448	9.004912914	3.051411659	11.12115974	7.554115857	0
15.16	0.81	14.49	0.34	1	14.21668975	8.064843759	3.054824248	11.12115974	7.554115857	0
15.18	0.74	12.86</								

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(lp20%) (mm)	Ced.-RER(lp40%) (mm)	Ced.-RER(lp55%) (mm)
15.43	0.59	10.42	0.22	1	15.91819587	4.994015591	3.388189675	11.12115974	7.554115857	0
15.45	0.66	12.68	0.28	1	14.97557772	6.550317694	3.392459391	11.12115974	7.554115857	0
15.47	0.88	16.16	0.38	2.493884453	13.78194763	9.076101612	3.400153087	11.12115974	7.554115857	0
15.49	0.96	19.25	0.47	1.802464936	12.95111928	11.25814897	3.404640458	11.12115974	7.554115857	0
15.5	1.03	21	0.53	1.445005627	12.48151717	12.41149586	3.407906871	11.12115974	7.554115857	0
15.52	1.1	22.71	0.58	1.189474927	12.12914806	13.71564062	3.410342601	11.12115974	7.554115857	0
15.54	1.1	23.04	0.59	1.169314335	12.0623319	13.94900123	3.412699504	11.12115974	7.554115857	0
15.56	0.96	19.28	0.47	1.802464936	12.95111928	10.94278921	3.417335303	11.12115974	7.554115857	0
15.58	0.88	16.85	0.4	2.36919023	13.58146008	9.253048751	3.424549094	11.12115974	7.554115857	0
15.6	0.74	14.09	0.32	1	14.4536502	7.21309413	3.428458928	11.12115974	7.554115857	0
15.61	0.66	12.3	0.27	1	15.11772612	5.963035892	3.433193429	11.12115974	7.554115857	0
15.63	0.59	10.49	0.22	1	15.91819587	4.782462768	3.439102519	11.12115974	7.554115857	0
15.65	0.52	9.86	0.2	1	16.29073004	4.396216408	3.445537143	11.12115974	7.554115857	0
15.67	0.52	8.84	0.18	1	16.70254745	3.697776981	3.453195258	11.12115974	7.554115857	0
15.69	0.52	9.28	0.19	1	16.49121759	3.958386958	3.460356255	11.12115974	7.554115857	0
15.7	0.52	8.81	0.18	1	16.70254745	3.642658574	3.468145621	11.12115974	7.554115857	0
15.72	0.52	9.66	0.2	1	16.29073004	4.164236413	3.474966079	11.12115974	7.554115857	0
15.74	0.59	11.17	0.24	1	15.57809882	5.184079727	3.480450177	11.12115974	7.554115857	0
15.76	0.74	13.49	0.3	1	14.70590871	6.778394501	3.484468811	11.12115974	7.554115857	0
15.78	0.66	12.51	0.27	1	15.11772612	6.134622083	3.489292618	11.12115974	7.554115857	0
15.8	0.66	12.44	0.27	1	15.11772612	6.097734832	3.493969109	11.12115974	7.554115857	0
15.82	0.66	12.37	0.27	1	15.11772612	6.088815373	3.498657706	11.12115974	7.554115857	0
15.83	0.81	15.3	0.35	1	14.1033876	8.287432622	3.502105818	11.12115974	7.554115857	0
15.85	0.88	16.93	0.39	2.429938698	13.68041854	9.638128468	3.509317885	11.12115974	7.554115857	0
15.87	0.88	18.01	0.42	2.256371648	13.39075639	10.50103116	3.515470943	11.12115974	7.554115857	0
15.89	0.81	14.9	0.33	1	14.33337454	8.128313369	3.518997382	11.12115974	7.554115857	0
15.9	0.59	11.47	0.24	1	15.57809882	5.592225916	3.524128791	11.12115974	7.554115857	0
15.92	0.59	11.08	0.23	1	15.74444948	5.427741512	3.529420864	11.12115974	7.554115857	0
15.94	0.59	11.17	0.23	1	15.74444948	5.564875667	3.534587915	11.12115974	7.554115857	0
15.96	0.59	11.06	0.23	1	15.74444948	5.451358187	3.539868434	11.12115974	7.554115857	0
15.98	0.81	15.17	0.34	1	14.21666975	8.50655631	3.543255704	11.12115974	7.554115857	0
16	1.03	20.81	0.5	1.531705965	12.70926996	12.95506724	3.54666623	11.12115974	7.554115857	0
16.01	1.1	23.22	0.58	1.189474927	12.12914806	14.7310929	3.548997847	11.12115974	7.554115857	0
16.03	1.18	24.99	0.63	0.966339461	11.80593505	16.07755848	3.550735239	11.12115974	7.554115857	0
16.05	1.18	24.86	0.63	0.966339461	11.80593505	15.56329195	3.552531902	11.12115974	7.554115857	0
16.07	1.07	27.56	0.71	1.016674861	11.33867486	11.45999868	3.555100914	11.12115974	7.612129188	0
16.09	0.92	17.82	0.41	2.186157023	13.48494529	10.06664651	3.561396624	11.12115974	7.612129188	0
16.11	0.92	17.09	0.39	2.298267639	13.68041854	9.422661876	3.568474362	11.12115974	7.612129188	0
16.12	0.84	16.64	0.38	1	13.78194763	8.903138169	3.571736807	11.12115974	7.612129188	0
16.14	0.84	15.84	0.35	1	14.1033876	8.360629204	3.575214536	11.12115974	7.612129188	0
16.16	0.73	14.41	0.31	1	14.57774476	7.264527544	3.579220853	11.12115974	7.612129188	0
16.18	0.59	11.54	0.24	1	15.57809882	5.240316664	3.584780059	11.12115974	7.612129188	0
16.2	0.51	9.29	0.18	1	16.70254745	3.810853227	3.592432413	11.12115974	7.612129188	0
16.22	0.44	8.85	0.17	1	16.92595971	3.502319583	3.600766319	11.12115974	7.612129188	0
16.23	0.44	7.71	0.14	1	17.68484768	2.90491308	3.610824451	11.12115974	7.612129188	0
16.25	0.37	7.34	0.13	1	17.97450983	2.689885396	3.621697033	11.12115974	7.612129188	0
16.27				0			3.621697033	11.12115974	7.612129188	0
16.29	0.44	8.17	0.15	1	17.41517867	3.194466223	3.630869145	11.12115974	7.612129188	0
16.31	0.37	7.34	0.13	1	17.97450983	2.738236827	3.641579686	11.12115974	7.612129188	0
16.32	0.37	6.63	0.12	1	18.28736879	2.326336183	3.654198671	11.12115974	7.612129188	0
16.34	0.37	6.22	0.11	1	18.62746583	2.122413457	3.66804423	11.12115974	7.612129188	0
16.36	0.37	6.33	0.11	1	18.62746583	2.179786052	3.681537297	11.12115974	7.612129188	0
16.38	0.37	6.36	0.11	1	18.62746583	2.222815498	3.694782661	11.12115974	7.612129188	0
16.4	0.37	7.03	0.13	1	17.97450983	2.598395141	3.706124277	11.12115974	7.612129188	0
16.42	0.37	6.68	0.12	1	18.28736879	2.437157638	3.71822772	11.12115974	7.612129188	0
16.43	0.37	6.64	0.12	1	18.28736879	2.437157638	3.730343473	11.12115974	7.612129188	0
16.45	0.38	6.59	0.12	1	18.28736879	2.429111196	3.74251171	11.12115974	7.612129188	0
16.47	0.38	6.59	0.12	1	18.28736879	2.440997985	3.754632162	11.12115974	7.612129188	0
16.49	0.38	6.18	0.11	1	18.62746583	2.272364557	3.767665282	11.12115974	7.612129188	0
16.51	0.38	7.08	0.13	1	17.97450983	2.776163043	3.77834405	11.12115974	7.612129188	0
16.53	0.46	8.21	0.15	1	17.41517867	3.467536225	3.786902865	11.12115974	7.612129188	0
16.55	0.54	8.84	0.17	1	16.92595971	3.814942058	3.794689615	11.12115974	7.612129188	0
16.56	0.54	9.64	0.19	1	16.49121759	4.391611245	3.801460706	11.12115974	7.612129188	0
16.58	0.61	10.35	0.2	1	16.29073004	4.968998477	3.80745145	11.12115974	7.612129188	0
16.6	0.54	9.43	0.18	1	16.70254745	4.389763522	3.814239515	11.12115974	7.612129188	0
16.62	0.54	9.4	0.18	1	16.70254745	4.353686019	3.821091181	11.12115974	7.612129188	0
16.64	0.54	9.52	0.18	1	16.70254745	4.533071379	3.827678326	11.12115974	7.612129188	0
16.66	0.61	10.39	0.2	1	16.29073004	5.258321842	3.833362649	11.12115974	7.612129188	0
16.67	0.69	11.85	0.24	1	15.57809882	6.362718684	3.838065356	11.12115974	7.612129188	0
16.69	0.69	12.06	0.24	1	15.57809882	6.64421493	3.842573639	11.12115974	7.612129188	0
16.71	0.69	12.54	0.25	1	15.41853992	7.079114234	3.846809479	11.12115974	7.612129188	0
16.73	0.77	13.52	0.28	1	14.97557772	7.864125127	3.85062656	11.12115974	7.612129188	0
16.75	0.77	14.37	0.3	1	14.70590871	8.588985981	3.854125227	11.12115974	7.612129188	0
16.76	0.84	14.74	0.31	1	14.57774476	8.930472215	3.857493918	11.12115974	7.612129188	0
16.78	0.84	15.16	0.32	1	14.4536502	9.251492417	3.860749176	11.12115974	7.612129188	0
16.8	0.84	15.38	0.33	1	14.33337454	9.42376376	3.863948323	11.12115974	7.612129188	0
16.82	0.84	15.72	0.33	1	14.33337454	9.640054381	3.86707901	11.12115974	7.612129188	0
16.84	0.84	15.72	0.33	1	14.33337454	9.550184123	3.87024251	11.12115974	7.612129188	0
16.86	0.84	15.04	0.32	1	14.4536502	8.915155977	3.873634711	11.12115974	7.612129188	0
16.88	0.84	15.56	0.33	1	14.33337454	9.313970111	3.876885311	11.12115974	7.612129188	0
16.89	0.84	15.37	0.32	1	14.4536502	9.195701327	3.880181199	11.12115974	7.612129188	0
16.91	0.77	14.44	0.3	1	14.70590871	8.31692667	3.883829181	11.12115974	7.612129188	0
16.93	0.77	13.99	0.29	1	14.83841802	7.882019267	3.887682255	11.12115974	7.612129188	0
16.95	0.77	13.47	0.27	1	15.11772612	7.459539601	3.891757842	11.12115974	7.612129188	0
16.97	0.69	13.27	0.27	1	15.11772612	7.282057496	3.895937155	11.12115974	7.612129188	0
16.99	0.69	16.6	0.35	1	14.1033876	6.747201662	3.900451323	11.21583913	7.612129188	0
17	0.69	13.51	0.27	1	15.11772612	7.386218629	3.904579551	11.21583913	7.612129188	0
17.02	0.61	11.59	0.23	1	15.74444948	5.917393891	3.909737565	11.21583913	7.612129188	0
17.04	0.61	11.25	0.22	1	15.91819587	5.692506026	3.915104622	11.21583913	7.612129188	0
17.06	0.61	11.19	0.22	1	15.91819587	5.702216125	3.92046815	11.21583913	7.612129188	0
17.08	0.61	11.28	0.22	1	15.9181958					

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(lp20%) (mm)	Ced.-RER(lp40%) (mm)	Ced.-RER(lp55%) (mm)
17.24	0.77	14.43	0.29	1	14.83841802	7.92327007	3.962460717	11.58585384	7.671733742	0
17.26	0.77	14.48	0.29	1	14.83841802	8.03544851	3.966309662	11.62403343	7.726354387	0
17.28	0.69	13.66	0.27	1	15.11772612	7.433990644	3.970474048	11.66164905	7.793733425	0
17.3	0.69	13.42	0.27	1	15.11772612	7.269812138	3.974737156	11.69787085	7.852479217	0
17.32	0.69	12.87	0.25	1	15.41853992	6.929091841	3.979214222	11.73344438	7.944294716	0
17.33	0.61	11.24	0.21	1	16.10002635	5.766385437	3.984599571	11.77014219	7.944294716	0
17.35	0.61	11.83	0.23	1	15.74444948	6.189143089	3.989622338	11.80478356	7.944294716	0
17.37	0.61	11.23	0.21	1	16.10002635	5.787315471	3.994998824	11.83880807	7.944294716	0
17.39	0.61	10.86	0.2	1	16.29073004	5.542432174	4.000618739	11.87279294	7.944294716	0
17.41	0.61	11.55	0.22	1	15.91819587	6.023286136	4.005795315	11.90609657	7.944294716	0
17.42	0.69	13.24	0.26	1	15.26523987	7.301822186	4.010069865	11.93751971	7.990323828	0
17.44	0.69	13.21	0.26	1	15.26523987	7.300448315	4.014349876	11.96889731	8.036226103	0
17.46	0.76	14.09	0.28	1	14.97557772	8.014779439	4.018252167	11.99902742	8.075280381	0
17.48	0.76	14.12	0.28	1	14.97557772	8.041885235	4.022145284	12.02911715	8.114258224	0
17.5	0.76	13.83	0.27	1	15.11772612	7.860612875	4.02613225	12.06022351	8.156710084	0
17.52	0.69	13.38	0.26	1	15.26523987	7.504391919	4.030312736	12.09151665	8.202261138	0
17.53	0.69	13.47	0.26	1	15.26523987	7.598120492	4.034446126	12.1227668	8.247695692	0
17.55	0.76	14.31	0.28	1	14.97557772	8.309948076	4.038229303	12.15278257	8.286481893	0
17.57	0.84	15.8	0.32	1	14.4536502	9.55010483	4.041524345	12.18189845	8.319127266	0
17.59	0.84	16.09	0.33	1	14.33337454	9.856631671	4.044720366	12.2108042	8.350715874	0
17.61	0.92	17.03	0.35	2.560926798	14.1033876	10.74762756	4.052234235	12.23864228	8.379830821	0
17.62	0.92	17.43	0.36	2.489789942	13.99327749	11.07483954	4.059330745	12.26621074	8.408118363	0
17.64	0.92	18.35	0.38	2.358748366	13.78194763	11.91917959	4.065584233	12.29346569	8.435158194	0
17.66	0.99	19.09	0.4	2.029025956	13.58146008	12.56570268	4.070691958	12.32042723	8.461144341	0
17.68	0.99	19.53	0.41	1.979537518	13.48494529	12.92720795	4.075540958	12.34646961	8.48592048	0
17.7	0.99	19.65	0.42	1.932405672	13.39075639	12.93506895	4.08027641	12.37226628	8.510167157	0
17.72	0.99	20.24	0.43	1.887466006	13.2987839	13.1395137	4.084741112	12.39790001	8.533988567	0
17.73	0.99	20.34	0.43	1.887466006	13.2987839	13.50385115	4.089180843	12.42348292	8.557765411	0
17.75	1.07	20.61	0.44	1.640543526	13.20892591	13.6715025	4.092996277	12.44891125	8.581147716	0
17.77	1.07	21.17	0.45	1.604087003	13.12108738	14.22719504	4.096584819	12.47418697	8.604157196	0
17.79	0.99	20.4	0.43	1.887466006	13.2987839	13.58191501	4.101012651	12.49969118	8.627869113	0
17.81	1.07	20.83	0.44	1.640543526	13.20892591	14.04703226	4.10473753	12.5250423	8.651189289	0
17.83	1.07	20.53	0.44	1.640543526	13.20892591	17.2367775	4.108554239	12.5502643	8.674393511	0
17.84	0.99	19.42	0.41	1.979537518	13.48494529	12.73288989	4.113522947	12.57582994	8.698734289	0
17.86	0.99	19.76	0.41	1.979537518	13.48494529	13.14256253	4.118341594	12.60142301	8.723103136	0
17.88	0.99	19.67	0.41	1.979537518	13.48494529	13.07351961	4.123190836	12.62696129	8.747421842	0
17.9	0.99	20.06	0.42	1.932405672	13.39075639	13.49748071	4.127780799	12.65234326	8.771304522	0
17.92	0.99	20.73	0.44	1.844569051	13.20892591	13.02294423	4.132326307	12.67723473	8.794218513	0
17.94	0.99	20.65	0.44	1.844569051	13.20892591	13.47006638	4.136725316	12.70215102	8.81715821	0
17.95	1.12	21.78	0.47	1.423574595	12.95111928	14.48841714	4.139884837	12.7266659	8.839091715	0
17.97	1.2	23.69	0.52	1.133419011	12.55596991	16.1812551	4.142139452	12.74995756	8.859127242	0
17.99	1.12	22.19	0.47	1.423574595	12.95111928	14.8871821	4.145220463	12.77444159	8.881040035	0
18.01	1.04	20.28	0.42	1.796884089	13.39075639	13.37522311	4.149553333	12.79946896	8.904604201	0
18.03	1.04	20.05	0.42	1.796884089	13.39075639	13.16525605	4.153959947	12.82441508	8.928095266	0
18.05	1.04	20.19	0.42	1.796884089	13.39075639	13.40294197	4.158292705	12.84927551	8.951509196	0
18.06	1.04	20.19	0.42	1.796884089	13.39075639	13.41485975	4.162626167	12.87405935	8.974854133	0
18.08	1.04	20.55	0.43	1.755096087	13.2987839	13.75652804	4.166757808	12.89866526	8.997777635	0
18.1	1.04	20.67	0.43	1.755096087	13.2987839	13.91292174	4.170847042	12.92319097	9.020630089	0
18.12	0.64	11.14	0.2	1	16.29073004	5.794938489	4.176446757	12.95360131	9.020630089	0
18.14	0.88	17.1	0.34	2.787282624	14.21668975	10.65555113	4.184943409	12.97984492	9.048524727	0
18.15	1.28	25.09	0.55	0.936039056	12.33673579	17.9362568	4.186640321	13.0022463	9.067463153	0
18.17	1.28	25.25	0.55	0.936039056	12.33673579	18.18915989	4.188315388	13.02458154	9.086350101	0
18.19	1.28	24.63	0.53	0.971361284	12.48151717	17.57172951	4.190116514	13.04703785	9.105591418	0
18.2	1.2	23.47	0.5	1.178755771	12.70926996	16.33763944	4.192469749	13.06969323	9.125428802	0
18.23	1.2	23.34	0.5	1.178755771	12.70926996	16.05651039	4.194866535	13.09226765	9.145200294	0
18.24	1.2	23.2	0.49	1.202812011	12.78823528	15.93273445	4.19733365	13.11490933	9.165189884	0
18.26	1.12	22.99	0.49	1.36546951	12.78823528	15.45867457	4.200223288	13.137406	9.185055779	0
18.28	1.2	23.44	0.5	1.178755771	12.70926996	15.84947638	4.20265867	13.15976188	9.204649037	0
18.3	1.12	22.91	0.48	1.393916791	12.86882886	15.48081506	4.205610053	13.18230727	9.224725479	0
18.32	1.2	23.87	0.51	1.155642913	12.63186842	16.34892201	4.207929408	13.20461315	9.244129256	0
18.34	1.28	25.1	0.54	0.953373112	12.40845616	17.50324418	4.209718367	13.22669694	9.262947028	0
18.35	1.2	24.35	0.52	1.133419011	12.55596991	16.88702617	4.211925064	13.24900487	9.282210706	0
18.37	1.2	23.65	0.5	1.178755771	12.70926996	16.37347958	4.214294313	13.27154364	9.301957517	0
18.39	1.2	23.04	0.48	1.227870595	12.86882886	15.89827987	4.21683852	13.29432779	9.322236994	0
18.41	1.12	22.55	0.47	1.423574595	12.95111928	15.44006538	4.219878908	13.31721834	9.342783386	0
18.43	1.12	21.96	0.45	1.486844577	13.12108738	14.89085964	4.22317474	13.34107219	9.36458808	0
18.44	1.12	22.23	0.46	1.454521869	13.03517951	15.02265334	4.226373929	13.36417844	9.385510416	0
18.46	1.2	24.61	0.52	1.133419011	12.55596991	17.19502411	4.228554019	13.38667606	9.404925864	0
18.48	1.2	24.43	0.52	1.133419011	12.55596991	16.86630882	4.230778748	13.40920529	9.424366566	0
18.5	1.2	24.88	0.53	1.112033746	12.48151717	17.04700653	4.232940582	13.43170333	9.443645621	0
18.52	1.2	24.1	0.51	1.155642913	12.63186842	16.2987735	4.235292599	13.45436108	9.463333362	0
18.54	1.2	24.9	0.53	1.112033746	12.48151717	17.04950283	4.237458291	13.47692368	9.482663503	0
18.55	1.2	25.08	0.53	1.112033746	12.48151717	17.19478769	4.239607883	13.49951595	9.502017099	0
18.57	1.2	24.59	0.52	1.133419011	12.55596991	16.74150248	4.2418603	13.52220326	9.521583908	0
18.59	1.2	24.69	0.52	1.133419011	12.55596991	16.86844333	4.244098052	13.54492395	9.541177304	0
18.61	1.12	23.65	0.49	1.36546951	12.78823528	15.86853751	4.246966576	13.56802205	9.561546208	0
18.62	1.04	21.61	0.44	1.71520754	13.20892591	14.07992249	4.251031446	13.5923288	9.583967508	0
18.64	1.04	20.34	0.41	1.84071053	13.48494529	12.87003178	4.255808414	13.61702321	9.607517094	0
18.66	0.96	19.13	0.38	2.229364527	13.78194763	11.77763899	4.262136687	13.64214032	9.632446899	0
18.68	0.96	18.41	0.36	2.353218111	13.99327749	11.12773413	4.269213428	13.66826339	9.659209182	0
18.7	0.96	19.5	0.38	2.229364527	13.78194763	12.01069172	4.275431159	13.69343662	9.684194347	0
18.72	0.96	18.96	0.37	2.289617622	13.88618448	11.48068075	4.282117722	13.71875179	9.709707719	0
18.74	0.88	17.7	0.34	2.787282624	14.21668975	10.44557062	4.291073363	13.74530707	9.737942648	0
18.76	0.88	17	0.32	2.961487788	14.4536502	9.89554707	4.301126602	13.77217308	9.767803608	0

CPTu-2

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(lp20%) (mm)	Ced.-RER(lp40%) (mm)	Ced.-RER(lp55%) (mm)
0.02				0			0	0	0	0
0.04	1.01	21.91	426.29	0.001849692	-13.6673463	-45.28784537	0	-0.011544822	-0.012924204	0
0.06	1.23	21.35	247.24	0.002268453	-11.53806861	-36.84462989	0	-0.021727405	-0.025498387	0
0.08	4.69	21.15	169.98	-0.005796681	-10.07358042	-31.93969704	5.05E-08	-0.030930693	-0.035389385	0
0.1	4.69	20.93	126.69	-0.007777408	-8.924681025	-27.85883805	1.48E-07	-0.039299313	-0.045424972	0
0.12	4.58	20.62	98.9	-0.009685563	-7.956766624	-24.31850454	3.14E-07	-0.046938477	-0.054802536	0
0.14	4.47	19.87	77.83	-0.011946782	-7.020323274	-19.89313905	6.07E-07	-0.05400836	-0.063714571	0
0.16	4.69	21.27	71.98	-0.013688799	-6.714906581	-21.16578844	9.67E-07	-0.060625771	-0.072199437	0
0.18	4.58	21.07	61.32	-0.015621366	-6.088419316	-18.85461694	1.49E-06	-0.066712334	-0.080208437	0
0.2	4.58	20.92	53.25	-0.017988773	-5.536876509	-16.93027341	2.22E-06	-0.072328818	-0.087803623	0
0.22	4.24	19.13	42.24	-0.02056802	-4.631515186	-12.13007722	3.52E-06	-0.07731088	-0.094847585	0
0.24	4.24	19.26	38.31	-0.022677974	-4.249809368	-11.27763412	5.20E-06	-0.081925758	-0.101577663	0
0.26	4.13	18.38	32.67	-0.025663518	-3.62734221	-8.825758879	7.83E-06	-0.08608611	-0.107944727	0
0.28	4.13	18.37	29.82	-0.028116269	-3.270568752	-8.029475226	1.12E-05	-0.089881231	-0.113994138	0
0.3	4.13	18.13	26.89	-0.031179886	-2.86631722	-6.972918564	1.59E-05	-0.093286489	-0.119704913	0
0.32	4.13	18.14	24.8	-0.033807546	-2.550065127	-6.270304141	2.19E-05	-0.09635239	-0.125121849	0
0.34	4.13	18	22.75	-0.03685394	-2.212832609	-5.39647914	3.00E-05	-0.099067642	-0.13023557	0
0.36	4.13	18.1	21.33	-0.039307414	-1.960917699	-4.883959667	4.00E-05	-0.101492256	-0.135106041	0
0.38	4.24	18.29	20.18	-0.043052189	-1.744290457	-4.466674345	5.28E-05	-0.103605826	-0.136605053	0
0.4	3.91	16.68	16.87	-0.045950811	-1.044035743	-2.295166417	8.06E-05	-0.105184677	-0.143819702	0
0.42	3.91	16.43	15.54	-0.049883538	-0.72305913	-1.58001435	0.000126868	-0.106417787	-0.147682124	0
0.44	3.91	16.28	14.49	-0.053498287	-0.449615469	-0.979963892	0.000210613	-0.107336585	-0.147682191	0
0.46	3.91	16.12	13.52	-0.057336551	-0.178790224	-0.388550492	0.000447602	-0.107942638	-0.154599917	0
0.48	4.8	20.73	17.55	-0.057669612	-1.198494087	-4.062151889	0.000471396	-0.109087775	-0.158300403	0
0.5	5.36	23.21	19.18	-0.059414929	-1.545637426	-6.442819588	0.000487516	-0.110354278	-0.162116618	0
0.52	6.14	27.13	22.13	-0.05858689	-2.104832725	-11.66041548	0.000496671	-0.111853152	-0.166089646	0
0.54	6.93	30.66	24.56	-0.058483323	-2.512055262	-17.5074677	0.000502997	-0.113471264	-0.170102065	0
0.56	7.71	34.21	26.86	-0.058062719	-2.861954075	-24.69594481	0.000507624	-0.115210999	-0.17421837	0
0.58	8.27	36.78	28.07	-0.058445481	-3.034181714	-30.19035079	0.000511578	-0.116951142	-0.178309282	0
0.6	9.05	40.44	30.23	-0.057713702	-3.323943325	-36.21369773	0.00051495	-0.118768536	-0.182447887	0
0.62	9.72	43.47	31.7	-0.057640135	-3.50953336	-41.01416161	0.000518028	-0.120589848	-0.186553461	0
0.64	10.39	46.58	33.12	-0.057493882	-3.680812953	-45.91291483	0.000520865	-0.122465418	-0.19074862	0
0.66	11.51	52.26	36.73	-0.055062901	-4.085188355	-56.423396	0.000523149	-0.124487108	-0.195504821	0
0.68	13.18	61.09	42.89	-0.0508038	-4.691204416	-74.04737787	0.000524806	-0.126712838	-0.199443024	0
0.7	14.97	71.56	50.34	-0.046207588	-5.317218901	-95.65230156	0.000524806	-0.129198083	-0.204044443	0
0.72	16.64	80.97	56.58	-0.043270906	-5.773966488	-114.7929206	0.000524806	-0.131826732	-0.208734094	0
0.74				0			0.000524806	-0.131826732	-0.208734094	0
0.76		99.51	68.33	0	-6.511502787	-151.2571308	0.000524806	-0.134721708	-0.213653045	0
0.78				0			0.000524806	-0.134721708	-0.213653045	0
0.8				0			0.000524806	-0.134721708	-0.213653045	0
0.82				0			0.000524806	-0.134721708	-0.213653045	0
0.84				0			0.000524806	-0.134721708	-0.213653045	0
0.86				0			0.000524806	-0.134721708	-0.213653045	0
0.88				0			0.000524806	-0.134721708	-0.213653045	0
0.9				0			0.000524806	-0.134721708	-0.213653045	0
0.92				0			0.000524806	-0.134721708	-0.213653045	0
0.94				0			0.000524806	-0.134721708	-0.213653045	0
0.96	11.82	47.64	19.98	-0.102760885	-1.705359355	-22.0509786	0.000540986	-0.134288931	-0.215843466	0
0.98				0			0.000540986	-0.134288931	-0.215843466	0
1				0			0.000540986	-0.134288931	-0.215843466	0
1.02				0			0.000540986	-0.134288931	-0.215843466	0
1.04		138.6	68.22	0	-6.505205436	-214.8800761	0.000540986	-0.136411828	-0.219990976	0
1.06		133.72	63.59	0	-6.230499425	-199.4200935	0.000540986	-0.138344963	-0.223967089	0
1.08		125.31	57.18	0	-5.815197359	-176.3091079	0.000540986	-0.140000076	-0.22767879	0
1.1		122.6	54.33	0	-5.615357345	-166.7345595	0.000540986	-0.141506378	-0.231253697	0
1.12		124.79	54.22	0	-5.607435619	-166.8753775	0.000540986	-0.142969257	-0.23479259	0
1.14		122.66	51.86	0	-5.433492612	-158.7382913	0.000540986	-0.144354053	-0.238355682	0
1.16		123.92	51.32	0	-5.392579829	-158.38557	0.000540986	-0.145676874	-0.241866509	0
1.18		122.84	49.65	0	-5.263273275	-153.1073564	0.000540986	-0.146888527	-0.24528337	0
1.2		127.58	50.91	0	-5.361227873	-160.6456548	0.000540986	-0.148070458	-0.248585028	0
1.22		129.51	50.77	0	-5.350464471	-162.0287576	0.000540986	-0.149214886	-0.251864509	0
1.24		127.96	48.97	0	-5.209370936	-155.9735668	0.000540986	-0.150241425	-0.255035193	0
1.26		130.97	49.35	0	-5.239584413	-161.090918	0.000540986	-0.151256597	-0.258215251	0
1.28		130.1	47.96	0	-5.12791257	-157.4328643	0.000540986	-0.152173923	-0.261312882	0
1.3		128.17	46.12	0	-4.975003688	-150.1676008	0.000540986	-0.152966846	-0.264296371	0
1.32		127.3	44.83	0	-4.86411865	-145.722185	0.000540986	-0.153659393	-0.267186188	0
1.34		118.51	40.21	0	-4.439066658	-124.5817872	0.000540986	-0.154088291	-0.26992576	0
1.36		118.5	39.45	0	-4.364423068	-121.7419154	0.000540986	-0.15443533	-0.27258746	0
1.38	23.8	110.77	35.58	-0.080429868	-3.960853494	-103.6729637	0.000540986	-0.154503547	-0.274987457	0
1.4		107.92	33.81	0	-3.761406537	-94.34510332	0.000540986	-0.15441296	-0.277333386	0
1.42		106.62	32.7	0	-3.630929774	-89.27040252	0.000540986	-0.154205122	-0.279562917	0
1.44		102.39	30.55	0	-3.365100931	-79.0802757	0.000540986	-0.153796004	-0.281606118	0
1.46		99.63	29.01	0	-3.162929559	-71.30571657	0.000540986	-0.153203736	-0.28357339	0
1.48		102.81	29.67	0	-3.250857917	-74.01436274	0.000540986	-0.152632518	-0.285558857	0
1.5		103.98	29.59	0	-3.240304686	-72.97250402	0.000540986	-0.152020214	-0.287501239	0
1.52		103.09	28.8	0	-3.13453239	-68.81232686	0.000540986	-0.151304366	-0.289348685	0
1.54		93.27	25.01	0	-2.583023226	-51.30421395	0.000540986	-0.150164127	-0.290881098	0
1.56		87.19	22.64	0	-2.193887803	-40.50649642	0.000540986	-0.148734853	-0.292137934	0
1.58	13.95	72.71	17.76	-0.126383299	-1.244986653	-19.50779546	0.000540986	-0.146518143	-0.292822732	0
1.6	11.4	57.82	13.14	-0.153072063	-0.067358287	-0.862133534	0.001587113	-0.143277798	-0.292709854	0
1.62	8.75	42.85	8.91	-0.191441237	1.451100664	14.24618077	0.001587113	-0.138544031	-0.29144343	0
1.64	8.03	39.7	7.98	-0.201321222	1.881973978	15.883691	0.001587113	-0.133287549	-0.289781801	0
1.66	7.55	37	7.21	-0.212945755	2.278582618	16.77911782	0.001587113	-0.127537821	-0.287739843	0
1.68	7.55	37.5	7.22	-0.212650816	2.273165222	16.91369042	0.001587113	-0.121724036	-0.285656153	0
1.7	7.42	36.59	6.91	-0.219287176	2.444697574	17.30110028	0.001587113	-0.11572458	-0.283404484	0
1.72	6.95	34.25	6.28	-0.229248341	2.818363206	17.5304728	0.001587113	-0.109211459	-0.280762707	0
1.74	6.82	35.39	6.45	-0.219824254	2.713962568	16.48957519	0.001587113	-0.102773486	-0.278179081	0
1.76	6.58	33.55	5.96	-0.230953167	3.022783662	17.10520728	0.001587113	-0.096018467	-0.275310304	0
1.78	6.34	31.44	5.42	-0.246043806	3.394006421	17.89069029	0.001587113	-0.088685025	-0.272012211	0

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
1.8	6.22	30.23	5.09	-0.257658629	3.639539959	18.5006915	0.001587113	-0.081047235	-0.268455124	0
1.82	6.1	28.73	4.72	-0.273088424	3.934522012	18.87614477	0.001587113	-0.073091635	-0.264610794	0
1.84	5.86	27.33	4.38	-0.283700379	4.226733005	18.92321047	0.001587113	-0.064601706	-0.260371006	0
1.86	5.62	26.02	4.07	-0.293493459	4.513650317	18.80851628	0.001587113	-0.055790952	-0.255839784	0
1.88	5.38	24.53	3.73	-0.30667047	4.854620514	18.36265064	0.001587113	-0.046383098	-0.250847999	0
1.9	5.26	24.33	3.65	-0.306252625	4.93936422	18.16994522	0.001587113	-0.036837834	-0.24573704	0
1.92	5.26	24.51	3.64	-0.307093978	4.950087547	18.25057678	0.001587113	-0.027219836	-0.240570927	0
1.94	5.26	24.83	3.65	-0.306252625	4.93936422	18.23875056	0.001587113	-0.017529049	-0.235358211	0
1.96	5.49	26.54	3.92	-0.29777103	4.660425397	18.6177004	0.001587113	-0.008283226	-0.230480282	0
1.98	6.32	32.15	4.92	-0.270306388	3.772314075	20.15109822	0.001587113	3.54E-05	-0.226412608	0
2	6.2	31.87	4.81	-0.27188397	3.860694313	19.67193623	0.001587113	0.00846075	-0.222243835	0
2.02	5.84	30.48	4.5	-0.275257372	4.121087376	18.83872672	0.001587113	0.017145238	-0.217830274	0
2.04	5.37	27.7	3.95	-0.289045975	4.630626139	17.67806357	0.001587113	0.026764421	-0.212720087	0
2.06	5.25	27.45	3.86	-0.289021696	4.720714258	17.44464423	0.001587113	0.036525444	-0.207487781	0
2.08	5.01	25.88	3.55	-0.299033338	5.047944823	16.51788505	0.001587113	0.046618863	-0.201937975	0
2.1	4.77	25.17	3.39	-0.296418551	5.228202716	15.95490623	0.001587113	0.057171838	-0.196054214	0
2.12	4.3	22.25	2.88	-0.307300726	5.86546761	14.42412333	0.001587113	0.068603476	-0.189412362	0
2.14	3.6	18.36	2.24	-0.303466363	6.847767835	12.15999221	0.001587113	0.081898296	-0.181246579	0
2.16	3.25	16.19	1.89	-0.297148011	7.511843762	10.65209493	0.001587113	0.096187717	-0.17215892	0
2.18	3.13	15.64	1.8	-0.287859965	7.702547454	10.13855511	0.001587113	0.111052923	-0.162609294	0
2.2	3.13	15.68	1.78	-0.291094347	7.746219979	10.19642682	0.001587113	0.126062113	-0.152941693	0
2.22	3.01	15.1	1.68	-0.281539808	7.972216464	9.889693969	0.001587113	0.141395677	-0.142950329	0
2.24	2.78	13.79	1.49	-0.255811515	8.441323584	9.016853026	0.001587113	0.157635366	-0.13211849	0
2.26	2.66	12.97	1.36	-0.242783201	8.798149825	8.69802688	0.001587113	0.174740827	-0.120503772	0
2.28	2.89	13.76	1.46	-0.291777282	8.520824298	9.335329893	0.001587113	0.191352569	-0.109375698	0
2.3	2.66	12.79	1.32	-0.250140268	8.914834619	8.702661555	0.001587113	0.208826476	-0.097439056	0
2.32	2.66	12.09	1.21	-0.272880292	9.254931667	8.582098135	0.001587113	0.226896659	-0.084881959	0
2.34	2.54	11.11	1.08	-0.256349709	9.699186201	8.12966389	0.001587113	0.246008488	-0.071292473	0
2.36	2.43	10.36	0.98	-0.230319069	10.07896532	8.014087694	0.001587113	0.265819921	-0.056914939	0
2.38	2.43	10.21	0.95	-0.237592303	10.20048755	7.822141875	0.001587113	0.285859355	-0.042275686	0
2.4	2.66	11.72	1.12	-0.294808173	9.557037796	9.412630955	0.001587113	0.304958934	-0.028798935	0
2.42	2.89	12.45	1.2	-0.354990218	9.287368786	10.17551986	0.001587113	0.323491421	-0.015900658	0
2.44	3.35	14.87	1.48	-0.403121072	8.467644561	12.68876538	0.001587113	0.340546918	-0.004489802	0
2.46	3.47	15.44	1.54	-0.413815846	8.312313512	13.16512526	0.001587113	0.3571665	0.00655074	0
2.48	3.58	16.4	1.64	-0.410566372	8.066405368	13.94011976	0.001587113	0.373605541	0.017350242	0
2.5	4.74	23.44	2.54	-0.392744248	6.35649655	19.44782833	0.001587113	0.386941206	0.025446434	0
2.52	4.39	21.48	2.27	-0.40042098	6.795767285	17.70351744	0.001587113	0.401125003	0.034244015	0
2.54	4.39	21.51	2.27	-0.40042098	6.795767285	17.9476214	0.001587113	0.415369943	0.043084007	0
2.56	5.44	28	3.14	-0.36837359	5.527633167	22.47215043	0.001587113	0.427469403	0.050146965	0
2.58	4.28	20.77	2.15	-0.409135082	7.008053861	17.15424416	0.001587113	0.442059992	0.059298124	0
2.6	4.39	21.16	2.2	-0.413161647	6.918195873	17.75437361	0.001587113	0.456645162	0.068412732	0
2.62	4.28	20.8	2.14	-0.411046928	7.02627604	17.38919005	0.001587113	0.471427353	0.077699172	0
2.64	4.39	21.6	2.24	-0.405783761	6.847767835	17.88643806	0.001587113	0.486058899	0.086821718	0
2.66	4.39	21.63	2.23	-0.407603419	6.865256233	18.12077517	0.001587113	0.500818901	0.096035402	0
2.68	4.02	20.91	2.13	-0.378986526	7.044583569	17.22259791	0.001587113	0.515774158	0.105448718	0
2.7	4.02	21.38	2.18	-0.370294175	6.953891558	17.34884681	0.001587113	0.530680276	0.114797326	0
2.72	4.35	23.19	2.41	-0.372772375	6.561846617	18.64338737	0.001587113	0.544893232	0.123562202	0
2.74	4.35	23.19	2.4	-0.374325593	6.578098825	19.40282607	0.001587113	0.559267296	0.13243683	0
2.76	4.13	21.4	2.16	-0.388160712	6.98991624	18.11101278	0.001587113	0.574054387	0.142045428	0
2.78	3.91	19.86	1.96	-0.395505191	7.369695358	16.90843945	0.001587113	0.590383493	0.152174751	0
2.8	3.69	19.15	1.87	-0.378764778	7.553425541	16.02323267	0.001587113	0.606925093	0.162838169	0
2.82	3.26	16.88	1.58	-0.357695453	8.212086217	13.61186139	0.001587113	0.625112958	0.174888266	0
2.84	3.36	17.37	1.64	-0.365891755	8.066405368	13.84590415	0.001587113	0.642852422	0.186571514	0
2.86	3.36	17.95	1.71	-0.35091373	7.903035006	13.98220759	0.001587113	0.660465111	0.198095586	0
2.88	3.15	17.01	1.59	-0.330506964	8.187425881	12.62468321	0.001587113	0.678886433	0.210287875	0
2.9	3.25	17.6	1.65	-0.34036954	8.042644502	12.6802746	0.001587113	0.697209174	0.222344717	0
2.92	3.14	17.41	1.63	-0.320142861	8.09031156	12.34452099	0.001587113	0.715714392	0.234544287	0.005180293
2.94	3.14	17.29	1.61	-0.324119791	8.138567116	12.42612704	0.001587113	0.734451328	0.246919208	0.015112948
2.96	4.02	23.26	2.32	-0.347948837	6.710608136	16.9901861	0.001587113	0.750405166	0.256895659	0.022417074
2.98	3.07	18.04	1.69	-0.293365727	7.949019658	12.76087922	0.001587113	0.769118748	0.269163616	0.032144719
3	2.45	13.78	1.2	-0.19598482	9.287368786	9.5305121	0.001587113	0.791150151	0.284389985	0.045558632
3.02	2.15	11.75	0.98	-0.086006432	10.07896532	8.039889845	0.001587113	0.81508797	0.301520827	0.062091261
3.04	1.94	9.96	0.79	0.043604302	10.92135618	6.810011645	0.001648466	0.841730909	0.321428307	0.084732393
3.06	1.94	9.87	0.78	0.044163331	10.97114858	6.836451812	0.001710533	0.868746299	0.341647178	0.108065266
3.08	1.94	10.22	0.81	0.042527652	10.82363483	7.334636143	0.001766382	0.895339827	0.361357125	0.129927206
3.1	2.25	12.07	1	-0.136805498	10	8.4886	0.001766382	0.920202007	0.379014588	0.146780966
3.12	2.66	14.23	1.22	-0.270643568	9.222761524	11.07644436	0.001766382	0.942651717	0.394426367	0.160279684
3.14	2.86	15.26	1.33	-0.311228307	8.885335231	12.45581834	0.001766382	0.964391492	0.409147067	0.172803874
3.16	2.25	11.38	0.92	-0.148701628	10.32590955	8.872744302	0.001766382	0.990756413	0.428091358	0.191789412
3.18	1.84	9.38	0.72	0.132756376	11.28400753	6.9519642	0.001952761	1.020331717	0.450435956	0.220872142
3.2	2.04	10.3	0.81	-0.029155858	10.82363483	7.797454768	0.001952761	1.048735661	0.471304345	0.244066262
3.22	2.55	13.05	1.08	-0.260552667	9.699186201	10.67492433	0.001952761	1.073727251	0.488709798	0.260067199
3.24	2.86	15.14	1.3	-0.318410499	8.974509829	12.96197429	0.001952761	1.09670032	0.504258777	0.27339734
3.26	3.17	16.64	1.45	-0.36746044	8.54768798	14.55320808	0.001952761	1.118690607	0.518912894	0.2855566
3.28	3.48	18.73	1.68	-0.381309993	7.972216464	16.27041686	0.001952761	1.139430723	0.532469052	0.296384935
3.3	3.27	17.64	1.55	-0.366901305	8.287014716	15.30636479	0.001952761	1.16134419	0.546929451	0.308173643
3.32	3.79	21.13	1.94	-0.381020772	7.409784431	18.06416527	0.001952761	1.181052609	0.559579646	0.317955783
3.34	4.09	23.24	2.18	-0.379442202	6.953891558	19.70746775	0.001952761	1.199749908	0.571414711	0.326885938
3.36	4.3	25.45	2.43	-0.364208268	6.529543538	20.89114396	0.001952761	1.217472551	0.582490299	0.335061523
3.38	4.19	24.97	2.37	-0.360797173	6.627264886	19.79908639	0.001952761	1.235316163	0.593674568	0.343363269
3.4	3.68	23.57	2.2	-0.32052509	6.918195873	18.41111795	0.001952761	1.254093641	0.605545547	0.352313974
3.42	3.2	19.81	1.76	-0.308919854	7.79038599	15.70869012	0.001952761	1.275243445	0.619258189	0.363164768
3.44	3	18.11	1.57	-0.298816903	8.236903128	14.28666137	0.001952761	1.297747861	0.63403769	0.375184151
3.46	2.71	16.13	1.35	-0.260517269	8.826996084	12.74565272	0.001952761	1.321960704	0.650220826</	

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
3.58	2.9	17.33	1.45	-0.296537017	8.54768798	13.96803336	0.001952761	1.463493739	0.743734399	0.466436724
3.6	2.8	16.05	1.32	-0.295030578	8.914834619	13.28016169	0.001952761	1.488859586	0.760667704	0.480883303
3.62	2.8	16.32	1.34	-0.290627137	8.856056815	13.93137441	0.001952761	1.513720947	0.777725487	0.494945116
3.64	2.71	15.89	1.29	-0.272634352	9.004692607	13.09525432	0.001952761	1.539498559	0.79445886	0.509752367
3.66	2.9	17.51	1.45	-0.296537017	8.54768798	14.41482101	0.001952761	1.563926525	0.810566986	0.52313048
3.68	2.9	17.36	1.43	-0.300684388	8.601975663	13.99421013	0.001952761	1.58843716	0.826749336	0.536620782
3.7	2.8	17.55	1.45	-0.268579561	8.54768798	13.68108747	0.001952761	1.612845646	0.842835242	0.549980568
3.72	2.9	18.34	1.53	-0.281031813	8.337777123	14.0564917	0.001952761	1.636837519	0.85853192	0.562853739
3.74	3.19	20.01	1.7	-0.31769601	7.925959708	15.96637027	0.001952761	1.659173829	0.873021835	0.574413261
3.76	3.38	21.45	1.85	-0.328064012	7.595454444	16.96984027	0.001952761	1.680939779	0.886999554	0.585376017
3.78	3.4	23.18	2.03	-0.30233198	7.232535659	18.13030341	0.001952761	1.701623977	0.900157951	0.595501846
3.8	3.03	20.98	1.78	-0.270021007	7.746219979	16.24250644	0.001952761	1.723748137	0.914415561	0.606778285
3.82	2.75	18.82	1.55	-0.237822558	8.287014716	14.39396447	0.001952761	1.747426549	0.929885656	0.619409787
3.84	2.2	14.46	1.11	-0.099859758	9.592093191	10.35044408	0.001952761	1.775671659	0.94902517	0.636767516
3.86	1.83	11.97	0.88	0.115772842	10.49965595	8.22900355	0.002102313	1.807585387	0.971328286	0.659872606
3.88	1.46	8.95	0.61	0.594789186	11.93203148	5.640151963	0.003225633	1.846644395	1.00064139	0.659872606
3.9	1.19	6.99	0.45	1.331211295	13.12108738	4.004293445	0.006774826	1.894362741	1.04085848	0.659872606
3.92	1.19	7.07	0.45	1.331211295	13.12108738	4.045231238	0.010296	1.942306449	1.081211296	0.659872606
3.94	1.1	6.41	0.4	1.724738644	13.58146008	3.55684858	0.015495166	1.994934806	1.129635017	0.659872606
3.96	1.65	10.69	0.75	0.295323611	11.12444863	6.997389432	0.015948699	2.030046532	1.154739598	0.691261745
3.98	1.56	10.12	0.7	0.408983669	11.39411764	6.566429996	0.016619498	2.066863041	1.181407391	0.73039492
4	1.56	10.05	0.69	0.414910969	11.45035818	6.521666007	0.017306217	2.103951793	1.208353096	0.771910157
4.02	1.46	8.97	0.6	0.604702339	11.99663875	5.716878228	0.01845049	2.144101503	1.238493136	0.771910157
4.04	1.28	7.82	0.5	1.029642961	12.70926996	4.806772992	0.02077249	2.189478952	1.27467108	0.771910157
4.06	1.19	7.12	0.45	1.331211295	13.12108738	4.246246297	0.024179015	2.238283441	1.315647453	0.771910157
4.08	1.28	7.82	0.5	1.029642961	12.70926996	4.824184692	0.02650288	2.282874239	1.351205768	0.771910157
4.1	1.56	9.83	0.66	0.433770558	11.62410458	6.461026049	0.027235473	2.320803878	1.37903659	0.826391383
4.12	1.74	11.51	0.81	0.197702469	10.82363483	7.852005887	0.027510876	2.354476214	1.402802043	0.853049455
4.14	1.83	11.72	0.82	0.124244026	10.77567533	8.040270146	0.027680269	2.388013975	1.426426873	0.879191367
4.16	1.92	11.76	0.82	0.056608209	10.77567533	8.863316228	0.027755047	2.421871229	1.452187813	0.905583598
4.18	1.83	11.18	0.77	0.13231182	11.02158347	8.344440848	0.027925057	2.456564459	1.474979597	0.935176876
4.2	1.57	9.79	0.65	0.429087576	11.68377979	7.074528663	0.028594539	2.494435843	1.502874703	0.999845088
4.22	1.48	9.55	0.63	0.550958472	11.80593505	6.810253636	0.029489631	2.533844876	1.531896854	0.999845088
4.24	1.22	7.94	0.5	1.140565701	12.70926996	5.180806807	0.031931118	2.578519852	1.567791797	0.999845088
4.26	1.31	8.48	0.54	0.903811766	12.40845616	5.529704404	0.033747664	2.621011919	1.600748451	0.999845088
4.28	1.31	8.98	0.58	0.84147992	12.12914806	5.717195229	0.035387	2.662058694	1.631888935	0.999845088
4.3	1.48	10.3	0.68	0.510446819	11.50741979	6.456698168	0.036269276	2.699542916	1.659238594	1.044452787
4.32	1.48	10.82	0.72	0.482088663	11.28400753	6.715677083	0.037072269	2.735429869	1.685124138	1.079591036
4.34	1.48	10.94	0.73	0.475484708	11.23009426	6.65169713	0.037873453	2.771044829	1.710748784	1.11331445
4.36	1.57	11.48	0.78	0.35757298	10.97114858	6.835464409	0.038460806	2.805620356	1.735331298	1.142217048
4.38	1.83	14.21	1.01	0.100871387	9.961107636	8.735692175	0.038590733	2.835810212	1.75598874	1.161792907
4.39	1.48	11.46	0.77	0.450784204	11.02158347	6.611517278	0.039359413	2.870500678	1.780714414	1.1914025
4.42	1.13	7.84	0.48	1.372523626	12.86882886	4.083536775	0.043155456	2.916528298	1.818175807	1.1914025
4.43	0.87	6.29	0.36	2.669107745	13.99327749	3.096712309	0.052910628	2.973461446	1.879939507	1.1914025
4.46	0.52	3.34	0.16	1	17.16292016	1.281898506	0.061755322	2.973461446	1.879939507	1.1914025
4.47	0.61	3.59	0.18	1	16.70254745	1.429404011	0.06970269	2.973461446	1.879939507	1.1914025
4.5	0.35	2.01	0.09	1	19.41181742	0.601378104	0.088625893	2.973461446	1.879939507	1.1914025
4.51	0.26	1.74	0.07	1	20.39411764	0.488235176	0.111979393	2.973461446	1.879939507	1.1914025
4.54	0.17	1.06	0.04	1	22.58146008	0.219040163	0.164125081	2.973461446	1.879939507	1.1914025
4.56	0.17	1.16	0.04	1	22.58146008	0.261267493	0.207919278	2.973461446	1.879939507	1.1914025
4.58	0.26	1.45	0.06	1	20.99663875	0.352743531	0.240418811	2.973461446	1.879939507	1.1914025
4.59	0.26	1.69	0.07	1	20.39411764	0.453769117	0.265726835	2.973461446	1.879939507	1.1914025
4.61	0.26	1.66	0.07	1	20.39411764	0.45254547	0.291147485	2.973461446	1.879939507	1.1914025
4.63	0.26	1.31	0.05	1	21.70926996	0.315652785	0.327668627	2.973461446	1.879939507	1.1914025
4.65	0.26	1.69	0.07	1	20.39411764	0.464170117	0.352547436	2.973461446	1.879939507	1.1914025
4.67	0.35	2.28	0.1	1	19	0.68476	0.369440947	2.973461446	1.879939507	1.1914025
4.69	0.52	3.45	0.17	1	16.92595971	1.438368056	0.37750008	2.973461446	1.879939507	1.1914025
4.71	0.61	3.62	0.18	1	16.70254745	1.56970541	0.38489892	2.973461446	1.879939507	1.1914025
4.73	0.69	4.16	0.21	1	16.10002635	1.964525215	0.390824016	2.973461446	1.879939507	1.1914025
4.75	0.75	4.81	0.25	1	15.41853992	2.389102761	0.395705347	2.973461446	1.879939507	1.1914025
4.77	0.83	5.49	0.29	1	14.83841802	2.908775084	0.399722845	3.056821748	1.879939507	1.1914025
4.79	0.75	5.07	0.27	1	15.11772612	2.612494251	0.404205917	3.056821748	1.879939507	1.1914025
4.81	0.75	4.74	0.24	1	15.57809882	2.399494562	0.409096947	3.056821748	1.879939507	1.1914025
4.83	0.66	4.1	0.2	1	16.29073004	1.935338729	0.41517237	3.056821748	1.879939507	1.1914025
4.85	0.58	3.72	0.18	1	16.70254745	1.669252593	0.422231817	3.056821748	1.879939507	1.1914025
4.87	0.66	4.24	0.21	1	16.10002635	2.025705315	0.428060897	3.056821748	1.879939507	1.1914025
4.89				0			0.428060897	3.056821748	1.879939507	1.1914025
4.91	1.08	7.93	0.46	1.545853936	13.03517951	4.873332213	0.431821701	3.106588325	1.920549838	1.1914025
4.93	1.08	7.82	0.45	1.580206245	13.12108738	4.798381653	0.43573403	3.157446978	1.962491926	1.1914025
4.95	0.99	7.15	0.4	0.209205956	13.58146008	4.272048268	0.441388831	3.214276075	2.013910349	1.1914025
4.97	0.99	7.27	0.41	1.979537518	13.48494529	4.374246553	0.446787677	3.270323109	2.063252342	1.1914025
4.99	0.91	6.53	0.36	2.524860823	13.99327749	3.750618166	0.454834934	3.335473821	2.138024303	1.1914025
5.01	0.99	7.05	0.39	2.081052262	13.68041854	4.178820646	0.460800972	3.395027357	2.193443708	1.1914025
5.03	1.08	7.51	0.42	1.69307812	13.39075639	4.468495406	0.465349195	3.450104743	2.240642348	1.1914025
5.05	1.08	7.65	0.43	1.65370421	13.2987839	4.488871518	0.469781057	3.504470244	2.286307428	1.1914025
5.07	0.91	6.75	0.37	2.456621342	13.88618448	3.649289282	0.477894199	3.569984246	2.354395858	1.1914025
5.09	0.83	6.2	0.33	1	14.33337454	3.122095643	0.481761473	3.652663462	2.354395858	1.1914025
5.11	0.83	5.97	0.31	1	14.57774476	2.887851236	0.485950747	3.652663462	2.354395858	1.1914025
5.13	0.91	7.18	0.39	2.33064076	13.68041854	3.64747319	0.493695112	3.71462273	2.411513972	1.1914025
5.15	0.99	8.01	0.45	1.803578627	13.12108738	4.071473413	0.499074654	3.769228571	2.455607396	1.1914025
5.17	0.99	7.93	0.44	1.844569051	13.20892591	4.038761187	0.504630154	3.82530915	2.501392788	1.1914025
5.19	0.99	7.81	0.43	1.887466006	13.2987839	3.925136068	0.510489991	3.882903001	2.54902091	1.1914025
5.21	0.83	6.63	0.35	1	14.1033876	3.07792331	0.514456302	3.96169134	2.54902091	1.191402

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
5.35	0.4	2.48	0.1	1	19	0.8436	0.640352076	3.96169134	2.54902091	1.1914025
5.37	0.4	2.48	0.1	1	19	0.85386	0.654853283	3.96169134	2.54902091	1.1914025
5.39	0.24	1.62	0.06	1	20.99663875	0.440299515	0.683025015	3.96169134	2.54902091	1.1914025
5.41	0.24	1.6	0.06	1	20.99663875	0.436310153	0.711504755	3.96169134	2.54902091	1.1914025
5.43	0.24	1.6	0.06	1	20.99663875	0.439669615	0.739826021	3.96169134	2.54902091	1.1914025
5.45	0.47	3.35	0.15	1	17.41517867	1.319025632	0.749283002	3.96169134	2.54902091	1.1914025
5.47	0.63	4.68	0.22	1	15.91819587	2.185568293	0.755002338	3.96169134	2.54902091	1.1914025
5.49	0.63	5	0.24	1	15.57809882	2.398559876	0.760222971	3.96169134	2.54902091	1.1914025
5.51	0.63	4.68	0.22	1	15.91819587	2.153731902	0.766048208	3.96169134	2.54902091	1.1914025
5.53	0.95	7.94	0.43	1.99826793	13.2987839	4.306412202	0.771880959	4.027417416	2.600302918	1.1914025
5.55	1.74	15.86	1.01	0.158553465	9.961107636	10.44720969	0.772072093	4.060352583	2.622233788	1.212150464
5.57	2.06	19.92	1.34	-0.02603493	8.856056815	13.58758229	0.772072093	4.08862481	2.640621346	1.227740665
5.59	1.9	18.01	1.18	0.04958934	9.353061934	11.85360304	0.772124981	4.119014267	2.66057172	1.245364566
5.61	1.27	11.05	0.64	0.818565785	11.74438023	6.600341692	0.773695554	4.164212876	2.692136031	1.245364566
5.63	0.79	6.51	0.33	1	14.33337454	3.211249232	0.777647287	4.164212876	2.692136031	1.245364566
5.65	0.63	5.14	0.24	1	15.57809882	2.291267775	0.783195406	4.164212876	2.692136031	1.245364566
5.67	0.79	6.24	0.31	1	14.57774476	3.532916441	0.78680036	4.164212876	2.692136031	1.245364566
5.69	0.87	6.52	0.33	2.911753903	14.33337454	3.697437297	0.796850511	4.164212876	2.692136031	1.245364566
5.71	0.71	5.69	0.28	1	14.97557772	2.99346823	0.801122479	4.164212876	2.692136031	1.245364566
5.73	0.71	5.36	0.25	1	15.41853992	2.628552686	0.805996644	4.164212876	2.692136031	1.245364566
5.75	0.79	6.22	0.31	1	14.57774476	3.136693339	0.810088852	4.164212876	2.692136031	1.245364566
5.77	0.71	5.97	0.29	1	14.83841802	2.963380463	0.814427815	4.164212876	2.692136031	1.245364566
5.79	0.71	5.99	0.29	1	14.83841802	2.954922564	0.818787997	4.164212876	2.692136031	1.245364566
5.81	0.63	5.11	0.24	1	15.57809882	2.326121716	0.824336288	4.164212876	2.692136031	1.245364566
5.83	0.45	3.68	0.16	1	17.16292016	1.435506642	0.833342168	4.164212876	2.692136031	1.245364566
5.85	0.53	4.27	0.19	1	16.49121759	1.773300628	0.840646062	4.164212876	2.692136031	1.245364566
5.87	0.98	9.34	0.5	1.646677277	12.70926996	2.27449828	0.844732948	4.224489242	2.734654566	1.245364566
5.89	2.37	24.82	1.7	-0.115782706	7.925959708	16.85518739	0.844732948	4.250053527	2.750583181	1.258375209
5.91	1.42	13.38	0.78	0.506298723	10.97114858	8.199726734	0.845537125	4.2909995	2.778041901	1.291287766
5.93	0.63	5.45	0.25	1	15.41853992	2.481459815	0.850794514	4.2909995	2.778041901	1.291287766
5.95	0.47	3.43	0.14	1	17.68484768	1.276669154	0.861032092	4.2909995	2.778041901	1.291287766
5.97	0.39	3.15	0.13	1	17.97450983	1.171398806	0.872208474	4.2909995	2.778041901	1.291287766
5.99	0.53	4.48	0.2	1	16.29073004	1.970200891	0.878864648	4.2909995	2.778041901	1.291287766
6.01	0.53	4.13	0.18	1	16.70254745	1.746585387	0.886387899	4.2909995	2.778041901	1.291287766
6.03	0.45	3.94	0.17	1	16.92595971	1.656882196	0.894332941	4.2909995	2.778041901	1.291287766
6.05	0.45	3.92	0.17	1	16.92595971	1.655697379	0.902298165	4.2909995	2.778041901	1.291287766
6.07	0.45	3.84	0.16	1	17.16292016	1.658452975	0.910264626	4.2909995	2.778041901	1.291287766
6.09	0.45	3.78	0.16	1	17.16292016	1.581906351	0.918631745	4.2909995	2.778041901	1.291287766
6.11	0.45	3.76	0.16	1	17.16292016	1.56062433	0.927129627	4.2909995	2.778041901	1.291287766
6.13	0.45	4.02	0.17	1	16.92595971	1.651465889	0.935173389	4.2909995	2.778041901	1.291287766
6.15	0.45	4.01	0.17	1	16.92595971	1.645034024	0.943264407	4.2909995	2.778041901	1.291287766
6.17	0.45	3.98	0.17	1	16.92595971	1.625061392	0.951468405	4.2909995	2.778041901	1.291287766
6.19	1.13	11.12	0.6	1.098018901	11.99663875	7.79900388	0.953631437	4.344231526	2.813426369	1.291287766
6.21	0.76	7.03	0.34	1	14.21668975	3.696339334	0.957251776	4.344231526	2.813426369	1.291287766
6.22	0.91	7.94	0.39	2.33064076	13.68041854	4.473633666	0.964235935	4.344231526	2.813426369	1.291287766
6.24	1.06	10.09	0.53	1.382427167	12.48151717	6.165619853	0.967247148	4.406533164	2.85389461	1.291287766
6.26	1.21	11.57	0.63	0.92030304	11.80593505	7.531005972	0.968891497	4.457670382	2.887603056	1.291287766
6.28	1.29	11.87	0.65	0.778202109	11.68377979	7.913424052	0.97021731	4.507777799	2.920576147	1.291287766
6.3	1.13	10.13	0.53	1.243040265	12.48151717	6.524338657	0.972790902	4.571972763	2.961664829	1.291287766
6.32	0.76	6.22	0.29	1	14.83841802	3.364166133	0.97681389	4.571972763	2.961664829	1.291287766
6.34	0.68	5.79	0.26	1	15.26523987	3.060375289	0.981244066	4.571972763	2.961664829	1.291287766
6.36	0.83	7.28	0.35	1	14.1033876	4.22481079	0.984459831	4.571972763	2.961664829	1.291287766
6.38	0.91	7.59	0.36	2.524860823	13.99327749	4.519408832	0.992063338	4.571972763	2.961664829	1.291287766
6.4	0.98	9.03	0.45	1.829641419	13.12108738	5.68482317	0.996452024	4.571972763	3.017827763	1.291287766
6.42	1.13	10.57	0.55	1.197838801	12.33673579	6.995792767	0.998791612	4.634399165	3.057178526	1.291287766
6.44	1.21	10.84	0.57	1.017177044	12.1971263	7.168251126	1.000734227	4.694085116	3.095083183	1.291287766
6.46	1.21	10.99	0.57	1.017177044	12.1971263	7.368649911	1.002627876	4.754414003	3.133257183	1.291287766
6.48	1.21	11.17	0.58	0.999639509	12.12914806	7.560947025	1.004444718	4.813783268	3.170865553	1.291287766
6.5	1.36	12.82	0.69	0.644618121	11.45035818	8.942271727	1.005437206	4.862977764	3.202621222	1.353672263
6.52	1.28	12.53	0.67	0.76839027	11.56532678	8.692615258	1.006656714	4.913607428	3.235187975	1.353672263
6.54	1.28	12.01	0.63	0.817176954	11.80593505	8.144088179	1.008043612	4.96739147	3.269493147	1.353672263
6.56	1.21	11.12	0.58	0.999639509	12.12914806	7.21077852	1.009963378	5.028025865	3.307328002	1.353672263
6.58	1.13	10.56	0.54	1.220021001	12.40845616	6.606137976	1.012525627	5.096709821	3.348271704	1.353672263
6.6	1.06	9.8	0.49	1.495278364	12.78823528	5.815194229	1.016099262	5.096709821	3.396347364	1.353672263
6.62	1.06	10.1	0.51	1.436639997	12.63186842	5.861692219	1.01951189	5.182751339	3.441545675	1.353672263
6.64	0.91	8.69	0.42	2.16416642	13.39075639	4.862317551	1.025719998	5.182751339	3.529841153	1.353672263
6.66	1.06	10.05	0.5	1.465372797	12.70926996	5.965222949	1.029152257	5.298028659	3.576922339	1.353672263
6.68	1.09	11.23	0.57	1.228851782	12.1971263	6.791481895	1.031685057	5.362785636	3.615931899	1.353672263
6.7	0.94	9.85	0.49	1.778530427	12.78823528	5.649330817	1.036099483	5.362785636	3.66481418	1.353672263
6.72	0.94	9.64	0.47	1.854212573	12.95111928	5.502153514	1.040833626	5.362785636	3.718221653	1.353672263
6.74	0.8	7.89	0.37	1	13.88618448	4.220150326	1.04416763	5.362785636	3.718221653	1.353672263
6.76	0.72	7.36	0.34	1	14.21668975	3.841207403	1.047836789	5.362785636	3.718221653	1.353672263
6.78	0.65	6.34	0.28	1	14.97557772	3.160745433	1.052304089	5.362785636	3.718221653	1.353672263
6.8	0.65	6.41	0.28	1	14.97557772	3.248202807	1.056658497	5.362785636	3.718221653	1.353672263
6.82	0.65	6.04	0.26	1	15.26523987	3.007710211	1.061369058	5.362785636	3.718221653	1.353672263
6.84	0.65	6.08	0.26	1	15.26523987	3.060069984	1.066007514	5.362785636	3.718221653	1.353672263
6.86	1.16	11.65	0.59	1.065324998	12.0623319	7.560187139	1.06801129	5.42697489	3.756043613	1.353672263
6.88	0.87	8.32	0.39	2.463791764	13.68041854	4.896632207	1.07518032	5.42697489	3.756043613	1.353672263
6.9	0.8	7.58	0.34	1	14.21668975	4.389118625	1.078431998	5.42697489	3.756043613	1.353672263
6.92	0.87	8.66	0.4	2.40219697	13.58146008	5.224787692	1.085005779	5.42697489	3.756043613	1.353672263
6.94	0.94	9.12	0.43	2.026697464	13.2987839	5.543066117	1.090243759	5.42697489	3.846143948	1.353672263
6.96	0.94	9.66	0.46	1.894521542	13.03517951	6.043109223	1.094743127	5.42697489	3.906794243	1.353672263
6.98	1.09	10.96	0.54	1.297121325	12.40845616	7.191817107	1.097336354	5.521656695	3.949594686	1.353672263
7	1.01	10.46	0.51	1.546088521	12.63186842	6.687690095	1.100666331	5.521656695		

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
7.12	1.01	9.66	0.45	1.752233657	13.12108738	6.549259553	1.117830379	5.597794749	4.290636546	0
7.14	0.94	9.16	0.42	2.074952165	13.39075639	6.256027476	1.122671471	5.597794749	4.290636546	0
7.16	1.01	9.35	0.43	1.833732897	13.2987839	6.535022408	1.126774978	5.597794749	4.290636546	0
7.18	1.09	10	0.47	1.490309607	12.95111928	7.32359893	1.129756574	5.597794749	4.349285497	0
7.2	1.16	11.1	0.53	1.185927828	12.48151717	8.586285294	1.131784711	5.597794749	4.394331131	0
7.22	1.3	12.34	0.61	0.814607677	11.93203148	9.961814446	1.132987756	5.665499364	4.431578622	0
7.24	1.3	12.26	0.6	0.828184471	11.99663875	9.873353655	1.134224326	5.736785659	4.469612845	0
7.26	1.3	12.56	0.62	0.801468843	11.86847479	10.20166619	1.135384852	5.80341856	4.506518926	0
7.28	1.3	12.31	0.6	0.828184471	11.99663875	10.39868647	1.13656373	5.876572452	4.544901101	0
7.3	1.3	12.62	0.62	0.801468843	11.86847479	10.72019986	1.137672757	5.944579636	4.582134494	0
7.32	1.37	13.19	0.65	0.671266602	11.68377979	11.36808406	1.138550452	6.005736194	4.616961701	0
7.34	1.45	13.58	0.67	0.553374797	11.56532678	11.7397319	1.139252509	6.064540092	4.650981934	0
7.36	1.45	13.95	0.7	0.529658734	11.39411764	12.08175264	1.139906858	6.120166786	4.683748639	0
7.38	1.52	14.83	0.75	0.421728075	11.12444863	13.10348804	1.140388209	6.17045819	4.714200022	0
7.39	1.45	14.27	0.71	0.522198752	11.33867486	12.47401638	1.141015566	6.226183426	4.746811156	0
7.41	1.52	14.93	0.75	0.421728075	11.12444863	13.28715269	1.141492231	6.2773417	4.772428992	0
7.43	1.59	15.53	0.79	0.334536265	10.92135618	13.8906545	1.14185464	6.326158768	4.806944288	0
7.45	1.59	15.52	0.78	0.338825191	10.97114858	13.90428515	1.142222115	6.375774915	4.836810408	0
7.47	1.59	16	0.81	0.32627611	10.82363483	14.42011221	1.142564001	6.423936614	4.865971656	0
7.49	1.52	15.3	0.77	0.410774099	11.02158347	13.48082939	1.143025332	6.474423364	4.896158668	0
7.51	1.59	15.65	0.79	0.334536265	10.92135618	13.65606377	1.143397004	6.52383634	4.925830395	0
7.53	1.52	15.34	0.76	0.416179021	11.07267767	13.07572506	1.143880859	6.575417378	4.956437874	0
7.55	1.45	14.69	0.72	0.514945992	11.28400753	12.16190332	1.144525796	6.631689635	4.989100513	0
7.57	1.37	14.4	0.7	0.623318988	11.39411764	11.69777087	1.145339036	6.69024205	5.022497759	0
7.59	1.37	14.25	0.69	0.632352596	11.45035818	11.47177035	1.146181859	6.750289545	5.056318472	0
7.61	1.3	13.8	0.66	0.752894974	11.62410458	10.85400765	1.14724454	6.81564829	5.091543821	0
7.63	1.3	13.43	0.64	0.776422942	11.74438023	10.46788355	1.148383079	6.88666196	5.127904313	0
7.65	1.23	12.49	0.58	0.966986903	12.12914806	9.56431841	1.14993785	6.88666196	5.169480285	0
7.67	1.16	11.94	0.55	1.142803179	12.33673579	9.181245513	1.151855706	6.88666196	5.214295132	0
7.69	1.08	10.51	0.47	1.512963426	12.95111928	7.734796967	1.154875453	6.88666196	5.282162089	0
7.71	1.01	9.92	0.43	1.833732897	13.2987839	7.220707706	1.158803625	6.88666196	5.282162089	0
7.73	1.01	9.65	0.42	1.877393204	13.39075639	6.952078993	1.162988825	6.88666196	5.282162089	0
7.75	1.01	10.19	0.45	1.752233657	13.12108738	7.52796146	1.166602709	6.88666196	5.282162089	0
7.77	1.08	10.37	0.46	1.545853936	13.03517951	7.719954716	1.169718064	6.88666196	5.36537087	0
7.79	1.11	11.55	0.52	1.30661707	12.55596991	8.93746494	1.171996666	6.88666196	5.415813906	0
7.81	1.11	11.67	0.53	1.281963918	12.48151717	9.064577032	1.17420517	6.88666196	5.464490348	0
7.83	1.18	11.86	0.53	1.148667661	12.48151717	9.631861988	1.176071304	6.88666196	5.513689339	0
7.85	1.32	13.49	0.63	0.760751338	11.80593505	11.39981089	1.177117555	6.976619514	5.551791515	0
7.87	1.25	13.04	0.6	0.903698942	11.99663875	10.9007458	1.178419953	6.976619514	5.592093832	0
7.89	1.18	12.57	0.57	1.068059405	12.1971263	10.39243949	1.180037596	6.976619514	5.635229249	0
7.91	1.25	12.98	0.59	0.919015874	12.0623319	10.9212353	1.181364633	6.97660744	5.676600744	0
7.93	1.25	12.8	0.58	0.934860975	12.12914806	10.62379949	1.182755159	6.976619514	5.718939115	0
7.95	1.32	13.72	0.63	0.760751338	11.80593505	11.50016134	1.183802467	7.086748289	5.757469413	0
7.97	1.32	14.5	0.68	0.70481374	11.50741979	12.11040858	1.184725736	7.155602102	5.792399149	0
7.99	1.32	14	0.65	0.737343605	11.68377979	11.43152698	1.185750914	7.239872148	5.829801386	0
8.01	1.32	14.01	0.65	0.737343605	11.68377979	11.38467503	1.186782253	7.32564099	5.867263675	0
8.03	1.25	14	0.64	0.847217758	11.74438023	11.35869479	1.187972223	7.427800156	5.905451536	0
8.05	1.39	15.76	0.74	0.567000853	11.17691452	13.24330248	1.188656565	7.487486366	5.938168199	0
8.07	1.46	15.99	0.76	0.477396584	11.07267767	13.60743504	1.189218392	7.543854675	5.969540203	0
8.09	1.39	15.32	0.71	0.590958636	11.33867486	12.99604897	1.189948038	7.608956821	6.003562082	0
8.11	1.39	15.37	0.71	0.590958636	11.33867486	13.16953069	1.19066942	7.674645511	6.037725593	0
8.13	1.32	14.2	0.65	0.737343605	11.68377979	12.05275356	1.191654848	7.77309196	6.07484536	0
8.15	1.39	14.69	0.67	0.626239748	11.56532678	12.77159036	1.192446156	7.85324064	6.111098953	0
8.17	1.39	15.01	0.69	0.608087871	11.45035818	13.24314076	1.193188637	7.92568958	6.146401567	0
8.19	1.53	16.61	0.78	0.39579589	10.97114858	15.22356576	1.193609871	7.981853663	6.177644408	0
8.21	1.59	17.52	0.83	0.318414035	10.72829717	16.25358478	1.193927902	8.033026334	6.206910281	0
8.23	1.59	17.81	0.85	0.31092194	10.63522967	16.53618685	1.194233743	8.083078754	6.235732659	0
8.25	1.8	19.99	0.98	0.123444017	10.07896532	19.38185031	1.194337546	8.1263644	6.261486673	0
8.27	1.94	22.19	1.11	0.031033692	9.592093191	22.25816449	1.194360314	8.165183247	6.284922964	0
8.28	1.94	21.85	1.08	0.031895739	9.699186201	22.14295112	1.194383886	8.204898137	6.308816954	0
8.3	2.01	23.05	1.16	-0.005604752	9.419878097	23.87807219	1.194383886	8.242918313	6.331825927	0
8.32	2.15	24.68	1.26	-0.066893892	9.096665094	26.10324435	1.194383886	8.278279362	6.353330256	0
8.34	2.29	25.77	1.32	-0.119062411	8.914834619	27.68439487	1.194383886	8.312905694	6.37442588	0
8.36	2.36	27.17	1.41	-0.136131864	8.657027986	29.53120015	1.194383886	8.345494456	6.394321074	0
8.38	2.57	29.57	1.57	-0.184982234	8.236903128	32.49730102	1.194383886	8.375606536	6.412744313	0
8.4	2.63	31.24	1.67	-0.189869635	7.99555176	34.723402	1.194383886	8.404937993	6.430697638	0
8.42	2.91	34.31	1.87	-0.232061685	7.553425541	38.72822557	1.194383886	8.432064915	6.447302394	0
8.44	3.12	37.12	2.06	-0.249733602	7.175195017	42.40855963	1.194383886	8.457422461	6.462809668	0
8.46	3.47	42.05	2.41	-0.264430043	6.561846617	48.09649838	1.194383886	8.480548174	6.476910592	0
8.48	3.61	43.9	2.53	-0.269948283	6.371915309	50.77218582	1.194383886	8.503263406	6.490742188	0
8.5	3.81	46.66	2.73	-0.27298917	6.074536177	54.00888338	1.194383886	8.524699141	6.503763793	0
8.52	3.74	46.69	2.72	-0.266117082	6.088879864	53.96141913	1.194383886	8.546195436	6.516822136	0
8.54	3.81	47.77	2.79	-0.267118436	5.989562171	54.02543151	1.194383886	8.567503268	6.529753856	0
8.56	3.81	48.43	2.84	-0.262415646	5.92013494	52.75029675	1.194383886	8.588564681	6.542527013	0
8.58	3.6	45.8	2.64	-0.257486611	6.205564658	49.55217846	1.194383886	8.610957149	6.556137008	0
8.6	3.46	44.08	2.51	-0.252566702	6.402936507	47.4034361	1.194383886	8.633816572	6.570047468	0
8.62	3.26	41.33	2.31	-0.244657496	6.727492181	44.10900431	1.194383886	8.658175201	6.584893622	0
8.64	2.98	37.91	2.06	-0.223987991	7.175195017	40.06205561	1.194383886	8.68450421	6.600960213	0
8.66	2.7	33.64	1.77	-0.196286787	7.768240603	34.9275634	1.194383886	8.712683381	6.618149385	0
8.68	2.56	32.23	1.68	-0.170189469	7.972216464	33.26678375	1.194383886	8.742376188	6.636243963	0
8.7	2.42	29.52	1.5	-0.147299249	8.415178668	30.41708406	1.194383886	8.773854363	6.655363832	0
8.72	2.22	27.23	1.35	-0.089851046	8.826996084	27.7364519	1.194383886	8.808087848	6.676045837	0
8.74	2.08	25.32	1.23	-0.037437781	9.190853997	25.49846197	1.194383886	8.845401636	6.698421124	0
8.76	2.01	24.28	1.17	-0.005556848	9.386327244	24.27933109	1.194383886	8.883858691	6.72134988	0
8.78	2.15	25.68	1.25	-0.067429043	9.127809883	26.14095217	1.194383886	8.92095606	6.743600026	0
8.8	2.01	24.52	1.18	-0.005509757	9.353061934	24.82620641	1.194383886	8.959397185	6.766509273	0
8.82	2.08	25.13	1.21	-0.038056588						

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
8.88	2.08	24.89	1.19	-0.038696194	9.320077347	25.28322623	1.194407146	9.116465833	6.85967801	0
8.9	1.94	23.85	1.12	0.030756606	9.557037796	23.98701802	1.194429451	9.156736977	6.883428221	0
8.92	2.01	24.11	1.13	-0.005753551	9.522294009	24.21233698	1.194429451	9.19689903	6.907127297	0
8.94	2.14	26.66	1.28	-0.061641123	9.035110273	27.25703032	1.194429451	9.232965826	6.928705415	0
8.96	2.21	27.86	1.35	-0.085987739	8.826996084	28.71695463	1.194429451	9.268062148	6.949782153	0
8.98	2.28	29.03	1.42	-0.107117389	8.629404901	30.09970947	1.194429451	9.301244218	6.969766419	0
9	2.35	29.63	1.45	-0.128993458	8.54768798	30.76295809	1.194429451	9.334106378	6.98957351	0
9.02	2.42	31.03	1.54	-0.143473294	8.312313512	32.22318207	1.194429451	9.366041711	7.008870591	0
9.04	2.49	31.92	1.59	-0.159679411	8.187425881	33.18486521	1.194429451	9.397470339	7.027878839	0
9.06	2.42	30.67	1.51	-0.146323757	8.389207474	31.669426	1.194429451	9.429784964	7.047372604	0
9.08	2.35	30.21	1.48	-0.126378725	8.467644561	30.98683721	1.194429451	9.462462908	7.067057162	0
9.1	2.35	30.38	1.48	-0.126378725	8.467644561	31.11410591	1.194429451	9.495179762	7.086756883	0
9.12	2.42	31.64	1.56	-0.141633893	8.261878615	32.46216036	1.194429451	9.527130683	7.10603821	0
9.14	2.49	31.85	1.57	-0.161713543	8.236903128	32.96614555	1.194429451	9.558987575	7.125260947	0
9.15	2.63	34.5	1.73	-0.183284561	7.857585072	36.2920639	1.194429451	9.588592927	7.143179794	0
9.18	2.76	36.41	1.84	-0.202618564	7.616639593	38.68392233	1.194429451	9.617429669	7.160652871	0
9.19	2.76	35.84	1.8	-0.207121199	7.702547454	38.3598417	1.194429451	9.64657843	7.178302667	0
9.22	2.49	32.01	1.56	-0.162750169	8.261878615	34.01316283	1.194429451	9.678807234	7.197715868	0
9.24	2.35	30.26	1.45	-0.128993458	8.54768798	31.84364228	1.194429451	9.712349496	7.217284908	0
9.25	2.28	29.3	1.39	-0.109429276	8.712866798	30.43709323	1.194429451	9.746812034	7.238420872	0
9.27	2.21	28.86	1.36	-0.085355476	8.798149825	29.68671714	1.194429451	9.781635592	7.259180813	0
9.29	2.28	29.62	1.4	-0.108647638	8.684847679	30.32670646	1.194429451	9.816009002	7.279712338	0
9.31	2.21	28.94	1.36	-0.085355476	8.798149825	29.3378705	1.194429451	9.850919251	7.300503307	0
9.33	2.14	28.03	1.31	-0.060229494	8.944558339	27.72419525	1.194429451	9.887666997	7.322297676	0
9.35	2	26.5	1.22	-0.000606384	9.222761524	25.76359986	1.194429451	9.926178406	7.34492508	0
9.37	2	26.1	1.19	-0.000621671	9.320077347	25.08396297	1.194429451	9.965413188	7.367875556	0
9.39	1.93	25.73	1.17	0.034544921	9.386327244	24.38136047	1.194455264	10.00628097	7.391696826	0
9.41	1.79	23.36	1.03	0.123699939	9.884464978	21.47093598	1.194560395	10.05155403	7.41728552	0
9.43	1.66	21.23	0.91	0.235728006	10.36862747	18.9479409	1.194787839	10.10497898	7.445784345	0
9.45	1.59	20.29	0.86	0.307306569	10.58951394	17.9084565	1.19510207	10.1650862	7.476297712	0
9.47	1.45	18.48	0.76	0.487843571	11.07267767	15.930815	1.19566375	10.27704254	7.509999006	0
9.49	1.38	17.72	0.72	0.594335597	11.28400753	15.04936801	1.196389463	10.27704254	7.546406942	0
9.51	1.24	15.4	0.61	0.904095602	11.93203148	12.46455805	1.197724511	10.27704254	7.591826431	0
9.53	1.17	14.72	0.57	1.085308084	12.1971263	11.4505402	1.199472106	10.27704254	7.64319634	0
9.55	1.17	14.37	0.55	1.124773832	12.33673579	11.38804081	1.201296153	10.27704254	7.699634881	0
9.57	1.17	14.38	0.55	1.124773832	12.33673579	11.40716275	1.203120101	10.27704254	7.75624195	0
9.59	1.24	15.5	0.61	0.904095602	11.93203148	12.54665043	1.204455493	10.27704254	7.802099892	0
9.61	1.24	15.89	0.62	0.889513415	11.86847479	12.96986926	1.205728532	10.27704254	7.845839277	0
9.63	1.38	17.24	0.69	0.620176276	11.45035818	14.42905436	1.206527722	10.27704254	7.884251855	0
9.65	1.38	18.2	0.73	0.586194014	11.23009426	15.42532057	1.207235548	10.27704254	7.919618973	0
9.67	1.52	19.91	0.82	0.385726898	10.77567533	17.14991831	1.207655149	10.34810709	7.95166559	0
9.69	1.59	20.62	0.86	0.307306569	10.58951394	18.20888101	1.207970575	10.4097354	7.98187662	0
9.71	1.79	23.88	1.03	0.123699939	9.884464978	22.10453018	1.208075335	10.45672577	8.008004449	0
9.73	1.86	25.65	1.12	0.074192472	9.557037796	24.04531595	1.208133195	10.49924974	8.032244288	0
9.75	1.65	21.61	0.9	0.246103009	10.41181742	19.34567735	1.208372178	10.55656931	8.061574603	0
9.77	2.14	29.71	1.34	-0.058881072	8.856056815	28.41102731	1.208372178	10.59296872	8.082970822	0
9.79	2.14	29.34	1.32	-0.05977321	8.914834619	28.04553482	1.208372178	10.62983339	8.104587648	0
9.81	2.14	30.11	1.36	-0.058015174	8.798149825	28.61299093	1.208372178	10.66602368	8.125878349	0
9.83	2.21	31.24	1.42	-0.081748907	8.629404901	29.15617034	1.208372178	10.70123132	8.146680108	0
9.85	2.14	30.7	1.38	-0.057174375	8.741088222	28.33563605	1.208372178	10.73711254	8.167804464	0
9.87	2.07	29.53	1.32	-0.030667514	8.914834619	27.09289559	1.208372178	10.7740401	8.189412549	0
9.89	2.07	29.28	1.3	-0.031139322	8.974509829	26.82436115	1.208372178	10.81145643	8.211247714	0
9.91	1.79	24.99	1.06	0.120198998	9.772247213	22.24788889	1.208475046	10.85797692	8.237108544	0
9.93	1.65	22.85	0.95	0.233150219	10.20048755	19.68010665	1.208700968	10.91216656	8.265568309	0
9.95	1.58	22.62	0.94	0.288906541	10.24184932	19.09265066	1.208990016	10.96722368	8.294205885	0
9.97	1.58	22.47	0.92	0.295187118	10.32590955	18.78902502	1.209290591	11.02442778	8.323366514	0
9.99	1.52	20.87	0.84	0.376542924	10.68148643	17.04209796	1.209713973	11.09527291	8.354532356	0
10.01	1.38	18.94	0.74	0.578272473	11.17691452	14.99718391	1.21045407	11.09527291	8.390276734	0
10.02	1.24	17.54	0.68	0.811026937	11.50741979	13.3769152	1.211619477	11.09527291	8.430362889	0
10.04	1.24	17.72	0.68	0.811026937	11.50741979	13.39935467	1.212784749	11.09527291	8.470499931	0
10.06	1.17	16.23	0.61	1.014140341	11.93203148	11.92511091	1.214424537	11.09527291	8.517233752	0
10.09	1.1	14.85	0.54	1.277584181	12.40845616	10.58304818	1.216755879	11.09527291	8.584476443	0
10.1	1.1	15.52	0.57	1.210342908	12.1971263	11.1249989	1.21886019	11.09527291	8.64023813	0
10.12	1.24	17.94	0.69	0.799272924	11.45035818	13.12016392	1.220040321	11.09527291	8.679943824	0
10.14	1.24	17.86	0.68	0.811026937	11.50741979	12.97208418	1.221253227	11.09527291	8.720369664	0
10.16	1.1	14.96	0.55	1.254355377	12.33673579	10.34706705	1.22360869	11.09527291	8.783908691	0
10.18	1.03	14.7	0.53	1.445005627	12.48151717	10.21712033	1.226360631	11.09527291	8.865585953	0
10.2	0.96	13.04	0.46	1.841648957	13.03517951	8.703328658	1.230484347	11.09527291	8.865585953	0
10.22	0.83	10.58	0.35	1	14.1033876	6.553985252	1.233462383	11.09527291	8.865585953	0
10.24	0.76	10.28	0.34	1	14.21668975	6.35059531	1.236540204	11.09527291	8.865585953	0
10.26	0.83	11.21	0.38	1	13.78194763	7.137257219	1.239283275	11.09527291	8.865585953	0
10.28	0.83	10.64	0.35	1	14.1033876	6.616463259	1.242246489	11.09527291	8.865585953	0
10.3	0.76	10.22	0.33	1	14.33337454	6.141707657	1.24544332	11.09527291	8.865585953	0
10.32	0.76	10.57	0.35	1	14.1033876	6.39927109	1.248516483	11.09527291	8.865585953	0
10.34	0.83	11.63	0.39	1	13.68041854	7.308079582	1.251211308	11.09527291	8.865585953	0
10.36	0.83	11.5	0.39	1	13.68041854	6.94322282	1.254051776	11.09527291	8.865585953	0
10.38	0.76	10.38	0.34	1	14.21668975	6.006693585	1.257339775	11.09527291	8.865585953	0
10.4	0.69	8.95	0.28	1	14.97557772	4.85388425	1.261414449	11.09527291	8.865585953	0
10.42	0.62	8.81	0.27	1	15.11772612	4.746814825	1.265587353	11.09527291	8.865585953	0
10.44	0.55	7.8	0.24	1	15.57809882	3.961043188	1.27059462	11.09527291	8.865585953	0
10.46	0.62	8.57	0.26	1	15.26523987	4.645517797	1.274870139	11.09527291	8.865585953	0
10.48	0.69	9.73	0.31	1	14.57774476	5.58108958	1.278434317	11.09527291	8.865585953	0
10.5	0.69	9.72	0.31	1	14.57774476	5.581672689	1.28200314	11.09527291	8.865585953	0
10.52	0.69	9.02	0.28	1	14.97557772	5.065788675	1.285941322	11.09527291	8.865585953	0
10.54	0.69	9.02	0.28	1	14.97557772	5.056354061	1.289892391	11.09527291	8.865585953	0
10.56	0.69	9.31	0.29	1	14.83841802	5.239445402	1.293710734	11.09527291	8.865585953	0
10.58	0.62	8.8	0.27	1	15.11772612	4.790505054	1.297893174	1		

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
10.64	0.76	10.31	0.33	1	14.33337454	5.939463742	1.309021879	11.09527291	8.865585953	0
10.66	0.69	9.33	0.29	1	14.83841802	5.1719306	1.31291791	11.09527291	8.865585953	0
10.68	0.48	6.56	0.19	1	16.49121759	3.12030328	1.319384589	11.09527291	8.865585953	0
10.7	0.41	5.26	0.14	1	17.68484768	2.275332502	1.328265049	11.09527291	8.865585953	0
10.72	0.34	3.92	0.1	1	19	1.42633	1.342451107	11.09527291	8.865585953	0
10.73	0.21	2.48	0.05	1	21.70926996	0.717491372	1.370691168	11.09527291	8.865585953	0
10.75	0.27	3.26	0.08	1	19.87219012	1.069918716	1.389655225	11.09527291	8.865585953	0
10.77	0.27	3.38	0.08	1	19.87219012	1.135298221	1.407550083	11.09527291	8.865585953	0
10.79	0.27	3.48	0.08	1	19.87219012	1.194318626	1.424584063	11.09527291	8.865585953	0
10.81	0.21	2.92	0.07	1	20.39411764	0.879802235	1.447739267	11.09527291	8.865585953	0
10.83	0.21	2.86	0.06	1	20.99663875	0.875979769	1.471027476	11.09527291	8.865585953	0
10.85	0.62	8.85	0.27	1	15.11772612	4.524433074	1.475542075	11.09527291	8.865585953	0
10.87	0.41	4.95	0.13	1	17.97450983	2.102478415	1.485270593	11.09527291	8.865585953	0
10.89	0.21	2.23	0.05	1	21.70926996	0.620233843	1.518296846	11.09527291	8.865585953	0
10.91	0.34	4.01	0.1	1	19	1.51582	1.531828796	11.09527291	8.865585953	0
10.93	0.41	5.27	0.14	1	17.68484768	2.28718135	1.540809282	11.09527291	8.865585953	0
10.94	0.21	2.67	0.06	1	20.99663875	0.833356592	1.565492593	11.09527291	8.865585953	0
10.96	0.21	2.07	0.04	1	22.58146008	0.577633749	1.601151867	11.09527291	8.865585953	0
10.98	0.21	2.04	0.04	1	22.58146008	0.562278356	1.637838323	11.09527291	8.865585953	0
11	0.14	1.8	0.04	1	22.58146008	0.453887348	1.683351819	11.09527291	8.865585953	0
11.02	0.41	5.13	0.13	1	17.97450983	2.33992169	1.692192286	11.09527291	8.865585953	0
11.04	0.41	5.11	0.13	1	17.97450983	2.332911631	1.701073033	11.09527291	8.865585953	0
11.06	0.41	5.54	0.14	1	17.68484768	2.648482788	1.708906953	11.09527291	8.865585953	0
11.08	0.96	13.31	0.43	1.970136093	13.2987839	9.267523536	1.713324468	11.09527291	8.865585953	0
11.1	0.96	13.27	0.43	1.970136093	13.2987839	9.219647914	1.717771333	11.09527291	8.865585953	0
11.12	0.96	13.23	0.43	1.970136093	13.2987839	9.207679009	1.722230398	11.09527291	8.865585953	0
11.14	0.96	13.24	0.43	1.970136093	13.2987839	9.25435774	1.726673784	11.09527291	8.865585953	0
11.15	1.1	15.6	0.52	1.326722034	12.55596991	11.80964306	1.729021962	11.09527291	8.865585953	0
11.17	1.1	16.09	0.54	1.277584181	12.40845616	12.39753672	1.731179241	11.09527291	8.865585953	0
11.19	1.17	17.16	0.59	1.048517979	12.0623319	13.52681961	1.732804399	11.09527291	8.865585953	0
11.21	1.24	17.51	0.6	0.919163862	11.99663875	13.96048851	1.734186916	11.09527291	8.865585953	0
11.23	1.3	19.49	0.69	0.72016041	11.45035818	16.19939424	1.735121826	11.09527291	8.865585953	0
11.25	1.44	21.54	0.78	0.485584322	10.97114858	18.39247232	1.735677889	11.09527291	8.931209954	0
11.27	1.58	23.57	0.87	0.312151895	10.54432673	20.49110646	1.735999225	11.09527291	9.980319245	0
11.29	1.58	24.2	0.9	0.301746832	10.41181742	21.18284253	1.73630019	11.09527291	9.025677965	0
11.31	1.65	25.11	0.94	0.235630541	10.24184932	22.21231796	1.736524658	11.09527291	9.068438124	0
11.33	1.78	27.34	1.04	0.128733456	9.846699946	24.53541612	1.736635838	11.09527291	9.105412348	0
11.34	1.85	29.12	1.12	0.079752859	9.557037796	26.25385182	1.736700312	11.09527291	9.139948058	0
11.36	1.78	28.32	1.08	0.12396555	9.699186201	25.44115939	1.736803885	11.09527291	9.175854057	0
11.38	1.65	25.36	0.94	0.235630541	10.24184932	22.27254004	1.73702912	11.09527291	9.219578743	0
11.4	1.65	25.15	0.93	0.238164203	10.28365346	23.7969801	1.737256007	11.09527291	9.264274986	0
11.42	1.65	25.01	0.92	0.240752944	10.32590955	22.23168327	1.737487234	11.09527291	9.310037137	0
11.44	1.58	23.87	0.87	0.312151895	10.54432673	21.02654737	1.737804722	11.09527291	9.36102371	0
11.46	1.65	24.79	0.91	0.243398581	10.36862747	21.99372521	1.738041749	11.09527291	9.408066134	0
11.48	1.65	25.67	0.95	0.233150219	10.20048755	23.17346762	1.73825758	11.09527291	9.45225919	0
11.5	1.71	26.48	0.98	0.183908517	10.07896532	24.30280434	1.738420157	11.09527291	9.493655826	0
11.52	1.71	26.81	1	0.180230346	10	24.3626	1.738579329	11.09527291	9.534192904	0
11.54	2.13	33.89	1.33	-0.055255447	8.885335231	32.00275617	1.738579329	11.09527291	9.564462183	0
11.56	2.67	44.82	1.89	-0.176994685	7.511843762	43.78480957	1.738579329	11.14609193	9.587494302	0
11.58	2.81	47.43	2.02	-0.194831095	7.251837675	46.7076361	1.738579329	11.19122511	9.609106071	0
11.6	2.54	42.4	1.75	-0.158204392	7.812657562	41.20028403	1.738579329	11.25149052	9.633167283	0
11.62	1.99	32.29	1.24	0.004073239	9.159204834	29.92751861	1.73858228	11.25149052	9.665218032	0
11.64	1.58	25.13	0.91	0.298430933	10.36862747	21.70309259	1.738880861	11.25149052	9.71388003	0
11.66	1.71	27.87	1.03	0.174980919	9.884464978	24.75514831	1.739034571	11.25149052	9.753280104	0
11.67	1.92	31.3	1.19	0.039007338	9.320077347	28.19351358	1.739064703	11.25149052	9.786302176	0
11.69	2.26	38.36	1.53	-0.092763692	8.337777123	35.4913325	1.739064703	11.25149052	9.81300521	0
11.71	2.26	38.78	1.55	-0.091566741	8.287014716	35.4400814	1.739064703	11.25149052	9.839517046	0
11.73	1.99	32.81	1.26	0.004008585	9.096665094	29.1030516	1.739067715	11.25149052	9.870915549	0
11.75	1.78	28.9	1.07	0.125124106	9.735546001	24.8942779	1.73917782	11.25149052	9.908382276	0
11.77	1.64	26.69	0.97	0.23558285	10.11905439	22.88292603	1.739403675	11.25149052	9.950580031	0
11.79	1.58	25.88	0.93	0.292013063	10.28365346	22.06820615	1.739694388	11.25149052	9.996723962	0
11.81	1.85	30.92	1.16	0.077002761	9.419878097	27.0531363	1.739757014	11.25149052	10.03034272	0
11.83	1.99	34.27	1.31	0.003855585	8.944558339	30.45970952	1.739759802	11.25149052	10.06073222	0
11.85	1.85	31.22	1.17	0.076344617	9.386327244	27.24578596	1.739821633	11.25149052	10.09399379	0
11.87	1.64	27.07	0.98	0.233178943	10.07896532	22.75296184	1.740048079	11.25149052	10.13523542	0
11.89	1.51	24.95	0.88	0.368092409	10.49965595	20.47579906	1.740445873	11.25149052	10.18581799	0
11.91	1.44	23.52	0.81	0.467599717	10.82363483	18.63970625	1.741001784	11.25149052	10.25119524	0
11.93	1.37	22.65	0.78	0.559388835	10.97114858	17.58170444	1.741707792	11.25149052	10.33277268	0
11.95	1.3	21.06	0.71	0.699874201	11.33867486	15.9888922	1.742680505	11.25149052	10.33277268	0
11.97	1.28	20.44	0.68	0.757090413	11.50741979	15.39807842	1.743774588	11.25149052	10.33277268	0
11.98	1.21	18.51	0.6	0.966318192	11.99663875	13.52932931	1.745366057	11.25149052	10.33277268	0
12	1.07	16.71	0.53	1.361960663	12.48151717	11.77643627	1.747946701	11.25149052	10.33277268	0
12.02	1.1	17.31	0.55	1.254355377	12.33673579	12.33241794	1.750219355	11.25149052	10.33277268	0
12.04	1.03	16.85	0.53	1.445005627	12.48151717	11.91385777	1.752933291	11.25149052	10.33277268	0
12.06	1.1	16.87	0.53	1.301689542	12.48151717	12.00584655	1.755362578	11.25149052	10.33277268	0
12.08	1.16	18.75	0.6	1.047569581	11.99663875	13.78245839	1.757067882	11.25149052	10.33277268	0
12.1	1.1	18.23	0.58	1.189474927	12.12914806	13.18972076	1.75909409	11.25149052	10.33277268	0
12.12	1.16	19.51	0.63	0.997685315	11.80593505	14.45247152	1.760647176	11.25149052	10.33277268	0
12.14	1.16	19.35	0.62	1.013777014	11.86847479	14.31231244	1.76224289	11.25149052	10.33277268	0
12.16	1.16	19.45	0.63	0.997685315	11.80593505	14.48481978	1.763796778	11.25149052	10.33277268	0
12.18	1.23	19.82	0.64	0.876331881	11.74438023	14.8679156	1.765128258	11.25149052	10.33277268	0
12.2	1.23	19.95	0.65	0.862849852	11.68377979	14.84365803	1.766443257	11.25149052	10.33277268	0
12.22	1.23	20.17	0.65	0.862849852	11.68377979	15.22887225	1.767726692	11.25149052	10.33277268	0
12.24	1.23	20.51	0.67	0.83709314	11.56532678	15.44907916	1.768955803	11.25149052	10.33277268	0
12.26	1.3	22.26	0.74	0.671500923	11.17691452	16.91391298	1.769857653	11.25149052	10.395168	0
12.28	1.23	20.86	0.68	0.824782946	11.50741979	15.47322187	1.771070103	11.25149052	10.395168	0
12.3	1.23	20.46	0.66	0.849776369	11.62410458	14.92872127	1.77236645	11.25149052	10.395168	

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
12.36	1.49	25.28	0.86	0.394563402	10.58951394	18.77309031	1.774616881	11.25149052	10.56143584	0
12.38	1.42	24.65	0.83	0.4757988	10.72829717	18.12159588	1.775218036	11.25149052	10.60632912	0
12.39	1.35	23.9	0.8	0.56664022	10.87219012	16.78274755	1.775992092	11.25149052	10.65515892	0
12.41	1.42	24.23	0.81	0.487546918	10.82363483	17.08781349	1.776647069	11.25149052	10.70281535	0
12.43	1.21	20.35	0.65	0.891986023	11.68377979	13.58180982	1.778156545	11.25149052	10.70281535	0
12.45	1.14	18.35	0.57	1.137952799	12.1971263	12.03039158	1.780333435	11.25149052	10.70281535	0
12.47	1.14	19.02	0.6	1.081055159	11.99663875	12.50337677	1.782325844	11.25149052	10.70281535	0
12.49	1.14	19.24	0.6	1.081055159	11.99663875	12.71223825	1.784287898	11.25149052	10.70281535	0
12.51	1.28	21.43	0.69	0.746118088	11.45035818	14.56932125	1.785470988	11.25149052	10.79827984	0
12.53	1.28	22	0.71	0.725100677	11.33867486	14.97419418	1.786591021	11.25149052	10.86652777	0
12.55	1.21	20.06	0.63	0.92030304	11.80593505	13.29501764	1.788194056	11.25149052	10.86652777	0
12.57	1.07	17.4	0.53	1.361960663	12.48151717	11.02055559	1.791059961	11.25149052	10.86652777	0
12.59	0.85	13.24	0.38	2.599330678	13.78194763	8.086557772	1.798523119	11.25149052	10.86652777	0
12.61				0			1.798523119	11.25149052	10.86652777	0
12.63	0.85	13.17	0.37	2.669582858	13.88618448	8.167714851	1.806131343	11.25149052	10.86652777	0
12.65	1	15.24	0.45	1.777777778	13.12108738	10.01243935	1.810269931	11.25149052	10.86652777	0
12.67	1	15.35	0.45	1.777777778	13.12108738	10.13092277	1.814365291	11.25149052	10.86652777	0
12.69	1.07	16.94	0.51	1.415370885	12.63186842	11.64001411	1.81720673	11.25149052	10.86652777	0
12.71	1.07	16.74	0.5	1.443678303	12.70926996	11.65694241	1.820104751	11.25149052	10.86652777	0
12.73	1.07	16.4	0.48	1.503831565	12.86882886	11.40873154	1.823193419	11.25149052	10.86652777	0
12.74	1.21	19.96	0.62	0.935146637	11.86847479	14.69269706	1.824686706	11.25149052	10.86652777	0
12.76	1.21	19.99	0.62	0.935146637	11.86847479	14.63394811	1.826188032	11.25149052	10.86652777	0
12.78	1.21	19.74	0.61	0.95047691	11.93203148	14.3802457	1.827742875	11.25149052	10.86652777	0
12.8	1.35	22.9	0.73	0.620975583	11.23009426	17.51074908	1.82857823	11.25149052	10.92452938	0
12.82	1.42	23.82	0.76	0.519622374	11.07267767	18.28088011	1.829248704	11.25149052	10.97546118	0
12.84	1.49	24.84	0.81	0.418919168	10.82363483	19.12828513	1.829765951	11.25149052	11.02067347	0
12.86	1.49	25.83	0.85	0.399205325	10.63522967	20.00199549	1.830237924	11.25149052	11.06248942	0
12.88	1.56	27.61	0.92	0.311183226	10.32590955	21.6825514	1.830577774	11.25149052	11.1002282	0
12.9	1.63	28.87	0.97	0.242866982	10.11905439	22.82990218	1.830830025	11.25149052	11.13564791	0
12.92	1.56	26.76	0.88	0.325327919	10.49965595	20.83667223	1.831200746	11.25149052	11.17493442	0
12.94	1.49	25.48	0.82	0.413810398	10.77567533	19.89114236	1.831695334	11.25149052	11.21968856	0
12.96	1.49	25.47	0.82	0.413810398	10.77567533	19.89965514	1.832190335	11.25149052	11.26447865	0
12.98	1.42	24.31	0.78	0.506298723	10.97114858	18.7591281	1.832833655	11.25149052	11.31331373	0
13	1.35	22.33	0.7	0.647588823	11.39411764	16.94202746	1.833745981	11.25149052	11.38484867	0
13.02	1.35	22.54	0.7	0.647588823	11.39411764	17.23485628	1.834644009	11.25149052	11.45662891	0
13.04	1.35	22.55	0.7	0.647588823	11.39411764	17.20181334	1.83554489	11.25149052	11.52864601	0
13.06	1.35	22.88	0.72	0.629600244	11.28400753	17.20680837	1.836421628	11.25149052	11.58945645	0
13.08	1.49	25.92	0.83	0.40882473	10.72829717	20.09334962	1.836909776	11.25149052	11.63358949	0
13.1	1.63	28.8	0.95	0.247979971	10.20048755	22.94926091	1.837169369	11.25149052	11.67014665	0
13.11	1.7	31.05	1.04	0.179813336	9.846699946	25.25383135	1.837340639	11.25149052	11.70275837	0
13.13	1.77	31.47	1.06	0.132444445	9.772247213	25.97824882	1.837463437	11.25149052	11.73489679	0
13.15	1.77	31.3	1.05	0.13370582	9.809296308	25.59539686	1.837589425	11.25149052	11.76734099	0
13.17	1.77	31.43	1.05	0.13370582	9.809296308	26.51825545	1.83771119	11.25149052	11.79990218	0
13.19	1.77	31.37	1.05	0.13370582	9.809296308	27.08228999	1.837830577	11.25149052	11.8325826	0
13.21	1.77	31.08	1.03	0.13630205	9.884464978	26.6859797	1.837954253	11.25149052	11.8657882	0
13.23	1.77	30.81	1.02	0.137638345	9.922598454	26.10576118	1.838082097	11.25149052	11.89922559	0
13.25	1.7	29.56	0.97	0.192789556	10.11905439	24.52939737	1.83827291	11.25149052	11.93425804	0
13.27	1.77	31.4	1.04	0.134991453	9.846699946	26.23850135	1.83839798	11.25149052	11.96719409	0
13.29	1.85	32.78	1.1	0.081202911	9.627465834	27.33304942	1.838470297	11.25149052	11.99865674	0
13.31	1.92	34.3	1.16	0.040016148	9.419878097	28.80363225	1.838504159	11.25149052	12.02797758	0
13.32	1.77	32.46	1.08	0.12999177	9.699186201	26.83241066	1.838622396	11.25149052	12.05989707	0
13.34	1.63	28.18	0.9	0.261756636	10.41181742	23.09528515	1.838899371	11.25149052	12.09917877	0
13.36	1.63	28.8	0.93	0.253312873	10.28365346	23.89211493	1.83915881	11.25149052	12.1370423	0
13.38	1.56	26.68	0.84	0.340819724	10.68148643	21.56891191	1.839545977	11.25149052	12.18012473	0
13.4	1.63	28.34	0.9	0.261756636	10.41181742	23.20356805	1.839822742	11.25149052	12.21947455	0
13.42	1.63	28.55	0.91	0.258880189	10.36862747	23.31520679	1.84009551	11.25149052	12.25841906	0
13.44	1.63	28.91	0.93	0.253312873	10.28365346	23.46873691	1.840361012	11.25149052	12.29635955	0
13.46	1.56	28.5	0.91	0.314602822	10.36862747	22.85774294	1.84069998	11.25149052	12.33521981	0
13.48	1.7	30.88	1	0.187005869	10	24.7735	1.840886144	11.25149052	12.36953399	0
13.5	1.84	34.44	1.15	0.083117035	9.453719437	27.79771663	1.840959975	11.25149052	12.40001634	0
13.52	1.77	33.36	1.1	0.127628283	9.627465834	26.85206123	1.841077479	11.25149052	12.43162641	0
13.54	1.7	31.88	1.04	0.179813336	9.846699946	25.43412443	1.841252484	11.25149052	12.464756	0
13.56	1.7	31.47	1.02	0.183339087	9.922598454	25.09683137	1.841433552	11.25149052	12.49843951	0
13.58	1.63	29.45	0.94	0.250618056	10.24184932	23.06300597	1.841703241	11.25149052	12.53602515	0
13.6	1.63	29.87	0.95	0.247979971	10.20048755	23.55068165	1.841964882	11.25149052	12.57218796	0
13.62	1.56	28.18	0.88	0.325327919	10.49965595	23.47282085	1.842309713	11.25149052	12.61309235	0
13.64	1.56	27.55	0.86	0.332893684	10.58951394	22.95128893	1.842671074	11.25149052	12.65538114	0
13.66	1.56	27.01	0.83	0.344925986	10.72829717	22.30026763	1.843056892	11.25149052	12.69997426	0
13.67	1.49	26.61	0.82	0.413810398	10.77567533	21.6501636	1.843534271	11.25149052	12.74538663	0
13.69	1.56	27.01	0.83	0.344925986	10.72829717	22.13687566	1.843923964	11.25149052	12.78989589	0
13.71	1.56	27.23	0.84	0.340819724	10.68148643	22.34908768	1.84430585	11.25149052	12.83370721	0
13.73	1.63	29.04	0.91	0.258880189	10.36862747	24.23811832	1.84457368	11.25149052	12.87204578	0
13.75	1.63	29.83	0.94	0.250618056	10.24184932	25.0281096	1.844825078	11.25149052	12.9090253	0
13.77	1.63	29.49	0.92	0.256066274	10.32590955	25.01255397	1.845082428	11.25149052	12.94699865	0
13.79	1.63	29.35	0.92	0.256066274	10.32590955	24.93934327	1.845340883	11.25149052	12.98499067	0
13.81	1.63	29.21	0.91	0.258880189	10.36862747	25.0888642	1.845600952	11.25149052	13.02352698	0
13.83	1.7	29.72	0.93	0.20108158	10.28365346	25.90565428	1.845796851	11.25149052	13.06117085	0
13.85	1.63	28.95	0.9	0.261756636	10.41181742	25.01751488	1.84606127	11.25149052	13.10029903	0
13.86	1.7	29.8	0.93	0.20108158	10.28365346	25.97229235	1.846257178	11.25149052	13.13809808	0
13.88	1.77	31.48	0.99	0.141809204	10.03928325	27.74044708	1.846386705	11.25149052	13.17353715	0
13.9	1.77	31.9	1.01	0.1390011	9.961107636	28.37521121	1.846510985	11.25149052	13.20730575	0
13.92	1.77	32.47	1.03	0.13630205	9.884464978	28.94981872	1.846630593	11.25149052	13.24052362	0
13.94	1.77	32.23	1.02	0.137638345	9.922598454	28.59682952	1.846753027	11.25149052	13.27397675	0
13.96	1.77	32.05	1.01	0.1390011	9.961107636	28.26484214	1.846878284	11.25149052	13.30778526	0
13.98	1.77	32.63	1.03	0.13630205	9.884464978	28.80975585	1.846998946	11.25149052	13.34104125	0
14	1.84	33.36	1.06	0.090174142	9.772247213	29.				

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
14.08	1.63	29.86	0.92	0.256066274	10.32590955	24.0211634	1.847844414	11.25149052	13.51715823	0
14.1	1.56	28.99	0.88	0.325327919	10.49965595	22.76913391	1.84821159	11.25149052	13.55751496	0
14.12	1.42	27.27	0.81	0.487546918	10.82363483	20.72542068	1.848816818	11.25149052	13.60469891	0
14.14	1.42	27.56	0.82	0.481601224	10.77567533	20.56559188	1.849420061	11.25149052	13.65084693	0
14.16	1.27	23.47	0.67	0.781913585	11.56532678	16.54963566	1.85063855	11.25149052	13.65084693	0
14.17	1.2	22	0.62	0.950609493	11.86847479	15.01421404	1.852273317	11.25149052	13.65084693	0
14.19	1.06	20.31	0.56	1.308368569	12.26630776	13.35665985	1.854805682	11.25149052	13.65084693	0
14.21	1.03	18.15	0.48	1.595527046	12.86882886	11.53703376	1.858384786	11.25149052	13.65084693	0
14.23	0.96	16.53	0.43	1.970136093	13.2987839	10.25775099	1.863361143	11.25149052	13.65084693	0
14.25	0.89	15.14	0.39	2.39646816	13.68041854	9.15151598	1.870154463	11.25149052	13.65084693	0
14.27	0.89	14.42	0.36	2.59617384	13.99327749	8.880833561	1.877746974	11.25149052	13.65084693	0
14.29	0.81	13.36	0.33	1	14.33337454	8.206860261	1.880915542	11.25149052	13.65084693	0
14.31	0.81	13.41	0.33	1	14.33337454	8.39319413	1.88401758	11.25149052	13.65084693	0
14.33	0.81	13.12	0.32	1	14.4536502	8.242916706	1.88717981	11.25149052	13.65084693	0
14.35	0.96	15.43	0.39	2.172201334	13.68041854	10.43419202	1.892613336	11.25149052	13.65084693	0
14.37	1.03	16.37	0.42	1.823459482	13.39075639	11.38549062	1.896798544	11.25149052	13.65084693	0
14.39	1.18	19.31	0.52	1.170757424	12.55596691	14.28116017	1.898943446	11.25149052	13.65084693	0
14.4	1.25	21.22	0.58	0.934860975	12.12914806	16.18173901	1.900456857	11.25149052	13.65084693	0
14.42	1.33	22.52	0.63	0.746912119	11.80593505	17.27822207	1.901590655	11.25149052	13.65084693	0
14.44	1.4	24.43	0.69	0.596086123	11.45035818	19.16309045	1.902407559	11.25149052	13.65084693	0
14.46	1.47	26.52	0.76	0.467020907	11.07267767	21.37890459	1.90298195	11.25149052	13.70686875	0
14.48	1.4	24.55	0.69	0.596086123	11.45035818	19.42129603	1.903789958	11.25149052	13.70686875	0
14.51	1.55	27.22	0.79	0.371794535	10.92135618	22.09980108	1.904233424	11.25149052	13.75627632	0
14.52	1.55	27.06	0.78	0.376561132	10.97114858	21.90653121	1.904687088	11.25149052	13.80723159	0
14.54	1.49	28.41	0.83	0.40882473	10.72829717	23.25079476	1.905151743	11.25149052	13.85233178	0
14.56	1.49	27.79	0.8	0.424155658	10.87219012	22.66645068	1.90564685	11.25149052	13.90063657	0
14.58	1.47	25.48	0.72	0.492966513	11.28400753	20.2521982	1.906291653	11.25149052	13.97204461	0
14.6	1.4	24.92	0.7	0.587570607	11.39411764	19.67422293	1.907083792	11.25149052	13.97204461	0
14.62	1.47	26.23	0.75	0.473247853	11.12444863	19.97695112	1.907712895	11.25149052	14.03063937	0
14.64	1.47	27.16	0.78	0.455046012	10.97114858	20.48982679	1.908303328	11.25149052	14.0830396	0
14.66	1.47	27.56	0.79	0.449285936	10.92135618	20.34779712	1.908891062	11.25149052	14.13389536	0
14.68	1.33	25.46	0.71	0.662753007	11.33867486	18.29257077	1.909856538	11.25149052	14.21692608	0
14.7	1.25	22.73	0.62	0.874547364	11.86847479	15.81035133	1.911332338	11.25149052	14.21692608	0
14.72	1.11	20.57	0.55	1.235347048	12.33673579	13.96691206	1.913694788	11.25149052	14.21692608	0
14.73	1.03	19.04	0.49	1.56296527	12.78823528	12.7460341	1.916973989	11.25149052	14.21692608	0
14.75	1.03	17.89	0.46	1.664897788	13.03517951	11.70637332	1.920781827	11.25149052	14.21692608	0
14.77	0.96	17.03	0.43	1.970136093	13.2987839	10.9695019	1.925595859	11.25149052	14.21692608	0
14.79	0.96	16.75	0.42	2.017044096	13.39075639	10.79201229	1.930611176	11.25149052	14.21692608	0
14.81	0.96	16.64	0.42	2.017044096	13.39075639	10.77554166	1.935640149	11.25149052	14.21692608	0
14.83	1.03	18.82	0.48	1.595527046	12.86882886	12.70822588	1.939017212	11.25149052	14.21692608	0
14.85	1.11	19.49	0.51	1.332237013	12.63186842	12.94501243	1.941788715	11.25149052	14.21692608	0
14.87	1.1	19.9	0.52	1.326722034	12.55596691	13.09763445	1.944519623	11.25149052	14.21692608	0
14.89	1.03	19.09	0.49	1.56296527	12.78823528	12.37683775	1.947927959	11.25149052	14.21692608	0
14.91	0.96	17.91	0.45	1.882574489	13.12108738	11.35052785	1.952409771	11.25149052	14.21692608	0
14.93	0.96	17.25	0.43	1.970136093	13.2987839	10.62227065	1.957427166	11.25149052	14.21692608	0
14.95	1.03	18.41	0.47	1.62947443	12.95111928	11.50007587	1.961264482	11.25149052	14.21692608	0
14.96	1.03	18.95	0.48	1.595527046	12.86882886	11.98654196	1.964873356	11.25149052	14.21692608	0
14.98	1.1	20.27	0.53	1.301689542	12.48151717	12.80566217	1.967632328	11.25149052	14.21692608	0
15	1.1	21.52	0.57	1.210342908	12.1971263	13.84715354	1.97000736	11.25149052	14.21692608	0
15.02	1.1	20.32	0.53	1.301689542	12.48151717	12.7491209	1.972784694	11.25149052	14.21692608	0
15.04	1.03	19.89	0.51	1.501672514	12.63186842	12.37139929	1.976090184	11.25149052	14.21692608	0
15.06	0.96	18.64	0.47	1.802464936	12.95111928	11.28664143	1.980443898	11.25149052	14.21692608	0
15.08	0.96	17.74	0.44	1.925360273	13.20892591	10.54032661	1.985428855	11.25149052	14.21692608	0
15.1	0.81	15.58	0.37	1	13.88618448	8.783428271	1.988539486	11.25149052	14.21692608	0
15.12	0.81	14.89	0.35	1	14.1033876	8.197876111	1.991875716	11.25149052	14.21692608	0
15.14	0.81	15.16	0.36	1	13.99327749	8.359304109	1.995150869	11.25149052	14.21692608	0
15.16	0.81	15.41	0.37	1	13.88618448	8.461824239	1.998389887	11.25149052	14.21692608	0
15.18	0.81	15.43	0.37	1	13.88618448	8.411556251	2.001651828	11.25149052	14.21692608	0
15.2	0.81	15.27	0.36	1	13.99327749	8.295774629	2.00496267	11.25149052	14.21692608	0
15.22	0.74	14.29	0.33	1	14.33337454	7.478581501	2.008639303	11.25149052	14.21692608	0
15.24	0.74	14.18	0.33	1	14.33337454	7.274330913	2.012423019	11.25149052	14.21692608	0
15.26	0.74	14.66	0.34	1	14.21668975	7.589864155	2.016053123	11.25149052	14.21692608	0
15.28	0.74	13.41	0.31	1	14.57774476	6.592930843	2.020236392	11.25149052	14.21692608	0
15.3	0.59	11.67	0.26	1	15.26523987	5.406032047	2.025343279	11.25149052	14.21692608	0
15.32	0.59	10.76	0.23	1	15.74444948	4.887392006	2.030997829	11.25149052	14.21692608	0
15.34	0.52	9.98	0.21	1	16.10002635	4.413983223	2.037265184	11.25149052	14.21692608	0
15.35	0.44	8.24	0.17	1	16.92595971	3.320196256	2.045606257	11.25149052	14.21692608	0
15.37	0.44	7.68	0.15	1	17.41517867	3.069599392	2.054637403	11.25149052	14.21692608	0
15.39	0.44	8.24	0.17	1	16.92595971	3.387730835	2.062828136	11.25149052	14.21692608	0
15.41	0.52	9.51	0.2	1	16.29073004	4.25790811	2.069351997	11.25149052	14.21692608	0
15.43	0.52	9.35	0.19	1	16.49121759	4.238242921	2.075913207	11.25149052	14.21692608	0
15.45	0.59	10.89	0.23	1	15.74444948	5.254867457	2.081210391	11.25149052	14.21692608	0
15.47	0.66	12.47	0.28	1	14.97557772	6.245864199	2.085671903	11.25149052	14.21692608	0
15.49	0.74	14.01	0.32	1	14.4536502	7.348524832	2.089467767	11.25149052	14.21692608	0
15.51	0.88	16.85	0.4	2.36919023	13.58146008	9.412495092	2.096496431	11.25149052	14.21692608	0
15.53	1.1	21.92	0.56	1.231956174	12.26630776	13.07441211	2.099130439	11.25149052	14.21692608	0
15.55	1.25	27.12	0.73	0.742766254	11.23009426	16.81190031	2.100366711	11.25149052	14.29249676	0
15.57	1.4	29.54	0.81	0.507777068	10.82363483	18.57573857	2.101132433	11.25149052	14.3428554	0
15.58	1.4	30.19	0.83	0.495541476	10.72829717	19.26705617	2.101853612	11.25149052	14.3893934	0
15.6	1.25	27.01	0.72	0.753082452	11.28400753	16.91811249	2.103103013	11.25149052	14.47747784	0
15.62	1.1	23	0.59	1.169314335	12.0623319	13.77687175	2.105487836	11.25149052	14.47747784	0
15.64	0.96	19.63	0.48	1.764913584	12.86882886	11.290467	2.109884462	11.25149052	14.47747784	0
15.66	0.88	17.67	0.42	2.256371648	13.39075639	9.795873927	2.116369886	11.25149052	14.47747784	0
15.68	0.88	18.12	0.43	2.203897889	13.2987839	10.1056129	2.122516437	11.25149052	14.47747784	0
15.7	0.88	17.09	0.41	2.311405103	13.48494529	9.356124741	2.129486134	11.25149052	14.47747784	0
15.72	0.81	16.43	0.38	1	13.78194763	8.931115523	2.132648337	11.25149052	14.47747784	0
15.74	0.81	15.5	0.36	1	13.99327749	8.217272342	2.136088651	1		

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
15.8	1.1	22.52	0.57	1.210342908	12.1971263	13.828248	2.148910015	11.25149052	14.47747784	0
15.82	1.18	23.9	0.61	0.998022722	11.93203148	14.73772937	2.150832555	11.25149052	14.47747784	0
15.84	1.03	21.63	0.54	1.418246263	12.40845616	12.86570777	2.153965202	11.25149052	14.47747784	0
15.85	1.03	21.62	0.54	1.418246263	12.40845616	12.77165167	2.157124029	11.25149052	14.47747784	0
15.87	1.1	22.15	0.55	1.254355377	12.33673579	13.1772376	2.15983469	11.25149052	14.47747784	0
15.89	1.18	25.28	0.65	0.936605939	11.68377979	15.51570905	2.161555455	11.25149052	14.47747784	0
15.91	1.18	24.54	0.63	0.966339461	11.80593505	14.67253415	2.163434848	11.25149052	14.47747784	0
15.93	0.96	20.43	0.5	1.69431704	12.70926996	11.33349149	2.167704766	11.25149052	14.47747784	0
15.95	0.88	18.4	0.44	2.1538093	13.20892591	9.825723718	2.173971725	11.25149052	14.47747784	0
15.97	0.74	15.38	0.35	1	14.1033876	7.823008068	2.177630165	11.25149052	14.47747784	0
15.99	0.66	13.36	0.29	1	14.83841802	6.565258052	2.18199374	11.25149052	14.47747784	0
16.01	0.66	13.39	0.29	1	14.83841802	6.59285751	2.186343296	11.25149052	14.47747784	0
16.02	0.81	16.71	0.39	1	13.68041854	8.887757511	2.189573132	11.25149052	14.47747784	0
16.04	0.88	17.96	0.42	2.256371648	13.39075639	9.841000776	2.196161342	11.25149052	14.47747784	0
16.06	0.88	17.79	0.42	2.256371648	13.39075639	9.821584179	2.202769469	11.25149052	14.47747784	0
16.08	1.07	21.68	0.53	1.361960663	12.48151717	12.88541907	2.205812721	11.25149052	14.47747784	0
16.1	1.07	21.22	0.52	1.388152214	12.55596691	12.31175629	2.209062179	11.25149052	14.47747784	0
16.12	0.92	18.98	0.45	1.991831954	13.12108738	10.47023409	2.214550534	11.25149052	14.47747784	0
16.14	0.84	16.31	0.37	1	13.88618448	8.602352426	2.217907522	11.25149052	14.47747784	0
16.16	0.84	16.39	0.37	1	13.88618448	8.847443582	2.221174907	11.25149052	14.47747784	0
16.18	0.84	16.23	0.37	1	13.88618448	8.460296758	2.224595354	11.25149052	14.47747784	0
16.2	0.84	16.29	0.37	1	13.88618448	8.703166125	2.227923568	11.25149052	14.47747784	0
16.21	0.84	16.44	0.37	1	13.88618448	9.409834053	2.231005238	11.25149052	14.47747784	0
16.23	0.84	14.82	0.33	1	14.33337454	8.74335847	2.234325244	11.25149052	14.47747784	0
16.25	0.77	14.27	0.31	1	14.57774476	8.307273626	2.237823142	11.25149052	14.47747784	0
16.27	0.69	11.91	0.25	1	15.41853992	6.406249152	2.242364021	11.25149052	14.47747784	0
16.29	0.61	9.94	0.2	1	16.29073004	4.921918267	2.24828082	11.25149052	14.47747784	0
16.31	0.61	10.41	0.21	1	16.10002635	4.924837059	2.254200203	11.25149052	14.47747784	0
16.33	0.54	9.57	0.19	1	16.49121759	4.069207941	2.261371132	11.25149052	14.47747784	0
16.35	0.84	16.52	0.37	1	13.88618448	8.016772026	2.265014494	11.25149052	14.47747784	0
16.37	2.83	75.23	2.47	-0.162652599	6.465727421	46.72134634	2.265014494	11.27776777	14.49297545	0
16.39	3.44	94.02	3.25	-0.192998602	5.393049751	55.97079609	2.265014494	11.29915312	14.5056788	0
16.41	2.6	66.57	2.11	-0.143994837	7.081457902	42.21774002	2.265014494	11.32268388	14.52268388	0
16.42	1.53	35.13	0.95	0.324969257	10.20048755	21.12296561	2.265465602	11.41411958	14.55254351	0
16.44	0.54	9.92	0.19	1	16.49121759	4.026495687	2.272754819	11.41411958	14.55254351	0
16.46	0.54	9.59	0.19	1	16.49121759	3.837176509	2.280410969	11.41411958	14.55254351	0
16.48	0.54	9.55	0.18	1	16.70254745	3.848600984	2.288051148	11.41411958	14.55254351	0
16.5	0.46	9	0.17	1	16.92595971	3.577132325	2.296278968	11.41411958	14.55254351	0
16.52	0.46	8.46	0.16	1	17.16292016	3.278804267	2.305264561	11.41411958	14.55254351	0
16.54	0.46	9.09	0.17	1	16.92595971	3.656007297	2.31333019	11.41411958	14.55254351	0
16.56	0.54	9.2	0.18	1	16.70254745	3.79081017	2.321116388	11.41411958	14.55254351	0
16.58	0.38	7.4	0.13	1	17.97450983	2.80636022	2.331644616	11.41411958	14.55254351	0
16.6	0.46	8.09	0.15	1	17.41517867	3.178270107	2.340949678	11.41411958	14.55254351	0
16.62	0.46	8.29	0.15	1	17.41517867	3.349983769	2.349786736	11.41411958	14.55254351	0
16.63	0.46	8.32	0.15	1	17.41517867	3.409195376	2.358478523	11.41411958	14.55254351	0
16.65	0.46	8.12	0.15	1	17.41517867	3.300524661	2.367464973	11.41411958	14.55254351	0
16.67	0.54	9.16	0.17	1	16.92595971	3.991141299	2.374904449	11.41411958	14.55254351	0
16.69	0.54	9.17	0.17	1	16.92595971	4.059014397	2.382226423	11.41411958	14.55254351	0
16.71	0.61	11.08	0.22	1	15.91819587	5.392288852	2.387743561	11.41411958	14.55254351	0
16.73	0.61	11.51	0.23	1	15.74444948	5.723107384	2.392947378	11.41411958	14.55254351	0
16.75	0.69	11.92	0.24	1	15.57809882	6.085740087	2.397846042	11.41411958	14.55254351	0
16.77	0.69	12.73	0.26	1	15.26523987	6.679305704	2.402314171	11.41411958	14.55254351	0
16.79	0.69	13.23	0.27	1	15.11772612	7.151440342	2.406491512	11.41411958	14.55254351	0
16.81	0.77	13.3	0.27	1	15.11772612	7.335271892	2.410568252	11.41411958	14.55254351	0
16.83	0.77	13.59	0.28	1	14.97557772	7.684717706	2.414463776	11.41411958	14.55254351	0
16.84	0.69	12.79	0.26	1	15.26523987	7.157718322	2.418655085	11.41411958	14.55254351	0
16.86	0.77	12.93	0.26	1	15.26523987	7.40516786	2.42270181	11.41411958	14.55254351	0
16.88	0.77	13.58	0.28	1	14.97557772	8.016426752	2.426448117	11.41411958	14.55254351	0
16.9	0.77	13.89	0.29	1	14.83841802	8.299869119	2.430070343	11.41411958	14.55254351	0
16.92	0.77	14.05	0.29	1	14.83841802	8.47703983	2.433620875	11.41411958	14.55254351	0
16.94	0.84	14.91	0.31	1	14.57774476	9.153511709	2.436912508	11.41411958	14.55254351	0
16.96	0.92	16.59	0.36	2.489789942	13.99327749	10.50447355	2.444061087	11.41411958	14.55254351	0
16.98	1	18.12	0.4	2	13.58146008	11.81125257	2.449173839	11.47736054	14.60615651	0
17	1	19.25	0.43	1.860465116	13.2987839	12.67972551	2.453608826	11.53076023	14.64990325	0
17.02	1	19.21	0.43	1.860465116	13.2987839	12.59461329	2.458078806	11.58122845	14.69210312	0
17.04	1	19.25	0.43	1.860465116	13.2987839	12.50311766	2.462585961	11.62909371	14.73280232	0
17.06	0.99	19.22	0.43	1.887466006	13.2987839	12.48822302	2.467168819	11.67481196	14.77217607	0
17.08	0.99	19.51	0.43	1.887466006	13.2987839	12.43649075	2.471775596	11.71867064	14.81034006	0
17.1	0.99	19.25	0.43	1.887466006	13.2987839	12.44407106	2.476384421	11.76086048	14.84737146	0
17.11	0.99	19.7	0.44	1.844569051	13.20892591	12.87051323	2.480743851	11.80118835	14.88250181	0
17.13	0.99	19.48	0.43	1.887466006	13.2987839	12.67148026	2.485279496	11.84049539	14.91747788	0
17.15	0.99	19.05	0.42	1.932405672	13.39075639	12.27450293	2.490078353	11.87894083	14.95240154	0
17.17	0.99	18.66	0.41	1.979537518	13.48494529	12.04043795	2.495095082	11.91658997	14.98732968	0
17.19	0.99	18.88	0.41	1.979537518	13.48494529	12.18553596	2.500057272	11.95297619	15.02121057	0
17.21	0.99	18.74	0.41	1.979537518	13.48494529	12.07967914	2.505068192	11.98828381	15.0541846	0
17.23	0.92	17.68	0.38	2.358748366	13.78194763	11.15882954	2.51153852	12.0233348	15.08885702	0
17.25	0.99	18.52	0.4	2.029025956	13.58146008	11.89423529	2.516765709	12.05678735	15.12077478	0
17.27	0.99	18.55	0.4	2.029025956	13.58146008	11.91175538	2.52199066	12.08926943	15.15182012	0
17.29	0.77	13.61	0.27	1	15.11772612	7.06412068	2.525975134	12.12614094	15.21405697	0
17.31	0.99	18.81	0.41	1.979537518	13.48494529	12.03463942	2.531031125	12.15631305	15.24257368	0
17.33	0.99	18.78	0.41	1.979537518	13.48494529	11.96519196	2.536121755	12.1855273	15.27023654	0
17.34	0.99	19.36	0.42	1.932405672	13.39075639	12.48929067	2.540887595	12.21376026	15.29667014	0
17.36	0.99	19.42	0.42	1.932405672	13.39075639	12.51741125	2.54564736	12.24121781	15.32242412	0
17.38	0.92	18.12	0.39	2.298267639	13.68041854	11.3551578	2.551894594	12.26856712	15.3491438	0
17.4	0.92	18.26	0.39	2.298267639	13.68041854	11.48443775	2.558077907	12.2958816	15.37583021	0
17.42	0.92	17.2	0.36	2.489789942	13.99327749	10.55540908	2.565373617	12.32446501	15.40517026	0
17.44	0.92	17.16	0.36	2.489789942	13.99327749	10.46725143	2.572738384	12.3530111	15.43447096	0
17.46	0.84	16.33	0.34	1	14.21668975	9.714264104	2.575928745	12.38183743	15.46527825	0
17.48	0.84	16.58								

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(lp20%) (mm)	Ced.-RER(lp40%) (mm)	Ced.-RER(lp55%) (mm)
17.5	0.84	16.93	0.35	1	14.1033876	10.11311615	2.582159813	12.43896879	15.52505411	0
17.52	0.92	17.5	0.37	2.422498322	13.88618448	10.42658048	2.589382294	12.46713106	15.55345122	0
17.54	0.92	18.14	0.39	2.298267639	13.68041854	10.87689037	2.595957472	12.49420252	15.57990525	0
17.55	0.92	18.01	0.38	2.358748366	13.78194763	10.86127729	2.602722331	12.52137285	15.6068599	0
17.57	0.96	18.25	0.39	2.172201334	13.68041854	11.01164249	2.608873419	12.54837508	15.6332477	0
17.59	0.96	17.88	0.38	2.229364527	13.78194763	10.78740605	2.615323805	12.57547352	15.66013158	0
17.61	0.88	16.8	0.35	2.707645977	14.1033876	9.992814251	2.623789657	12.6038356	15.68979396	0
17.63	0.88	15.84	0.32	2.961487788	14.4536502	9.308150726	2.633740451	12.63274172	15.72218445	0
17.65	0.88	15.83	0.32	2.961487788	14.4536502	9.245855493	2.64376854	12.66160852	15.75452461	0
17.67	0.88	16.06	0.33	2.871745734	14.33337454	9.361843582	2.653381472	12.69026613	15.78582365	0
17.69	0.88	15.98	0.33	2.871745734	14.33337454	9.266383307	2.663103352	12.71887677	15.81706609	0
17.7	0.96	17.69	0.37	2.289617622	13.88618448	10.72513345	2.669807098	12.74595331	15.84436529	0
17.72	1.04	19.25	0.41	1.84071053	13.48494529	11.91893859	2.674661632	12.77246327	15.86959151	0
17.74	1.04	19.61	0.42	1.796884089	13.39075639	12.21103075	2.679291934	12.79872092	15.89427768	0
17.76	0.96	17.6	0.36	2.353218111	13.99327749	10.48922088	2.686357946	12.82584035	15.92209489	0
17.78	0.96	17.52	0.36	2.353218111	13.99327749	10.39714511	2.693493776	12.85290316	15.94985255	0
17.8	0.88	16.73	0.34	2.787282624	14.21668975	9.784778885	2.702483927	12.88097468	15.97978852	0
17.82	0.8	14.92	0.3	1	14.70590871	8.28295602	2.706298024	12.90964715	16.01374885	0
17.84	0.8	14.3	0.28	1	14.97557772	7.76828143	2.71036868	12.93871464	16.05085341	0
17.86	0.88	16.32	0.33	2.871745734	14.33337454	9.271973323	2.72017204	12.96675533	16.08141197	0
17.87	0.88	16.81	0.34	2.787282624	14.21668975	9.72222545	2.729256158	12.99457862	16.11106515	0
17.89	0.96	18.16	0.38	2.229364527	13.78194763	10.85204338	2.735771661	13.02102682	16.13730965	0
17.91	1.04	19.43	0.41	1.84071053	13.48494529	12.03679701	2.740626374	13.04698246	16.16202914	0
17.93	1.04	20.5	0.44	1.71520754	13.20892591	12.92216013	2.744844655	13.07175825	16.18483875	0
17.95	1.04	20.11	0.43	1.755096087	13.2987839	12.67892758	2.749247993	13.09665667	16.20800974	0
17.97	1.04	20.08	0.42	1.796884089	13.39075639	12.70930079	2.753750206	13.12167772	16.23156165	0
17.99	1.12	21.65	0.47	1.423574595	12.95111928	14.06517456	2.756976462	13.14601303	16.25334103	0
18.01	1.12	21.58	0.46	1.454521869	13.03517951	14.04292924	2.760281184	13.17042994	16.27539751	0
18.03	1.12	23.38	0.51	1.311921686	12.63186842	14.8161711	2.763109186	13.19414262	16.29595709	0
18.05	1.2	23.39	0.51	1.155642913	12.63186842	15.35997304	2.765514522	13.21784788	16.31651593	0
18.06	1.2	23.56	0.52	1.133419011	12.55596991	15.41559205	2.767867296	13.24133396	16.336744	0
18.08	1.2	23.31	0.51	1.155642913	12.63186842	15.27761325	2.770290441	13.2648872	16.35718133	0
18.1	1.12	22.32	0.48	1.393916791	12.86882886	14.47035462	2.773379138	13.28865712	16.37830242	0
18.12	1.04	20.48	0.43	1.755096087	13.2987839	13.03932463	2.777699537	13.31292874	16.40092272	0
18.14	1.04	21.01	0.45	1.677091817	13.12108738	13.57966938	2.781667598	13.3368584	16.42277778	0
18.16	0.96	18.97	0.39	2.172201334	13.68041854	11.92617847	2.787525132	13.36221405	16.44759098	0
18.18	0.96	19.04	0.39	2.172201334	13.68041854	12.07529503	2.793316448	13.38748894	16.47232697	0
18.2	0.96	18.69	0.38	2.229364527	13.78194763	11.83414497	2.799387313	13.41278288	16.49743421	0
18.22	1.04	19.6	0.41	1.84071053	13.48494529	12.51483833	2.804132187	13.43688173	16.52042757	0
18.24	0.8	14.94	0.29	1	14.83841802	8.570225095	2.807900116	13.46398625	16.55305593	0
18.26	1.12	22.27	0.48	1.393916791	12.86882886	14.81279415	2.810941687	13.48718089	16.57370413	0
18.27	1.2	23.05	0.5	1.178755771	12.70926996	15.43019757	2.813413452	13.51008547	16.59377729	0
18.29	1.2	23.64	0.51	1.155642913	12.63186842	15.91388047	2.815765422	13.53220977	16.61302556	0
18.31	1.2	24.71	0.54	1.091440529	12.40845616	16.68068762	2.817886708	13.55411511	16.63169365	0
18.33	1.2	24.02	0.52	1.133419011	12.55596991	15.99705902	2.820185987	13.57624126	16.65080284	0
18.35	1.12	23.35	0.5	1.338160119	12.70926996	15.41037111	2.823006737	13.59859834	16.67039283	0
18.37	1.12	23.34	0.5	1.338160119	12.70926996	15.41481935	2.82582945	13.62098735	16.69000887	0
18.39	1.04	21.08	0.44	1.71520754	13.20892591	13.44998881	2.829980128	13.64470306	16.71190574	0
18.41	1.04	20.75	0.43	1.755096087	13.2987839	13.2200551	2.834305453	13.66854469	16.73414717	0
18.42	1.04	21.14	0.44	1.71520754	13.20892591	13.58009673	2.838424448	13.6923317	16.75610655	0
18.44	1.04	20.69	0.43	1.755096087	13.2987839	13.14518295	2.842782953	13.71624331	16.77841029	0
18.46	1.12	22.34	0.47	1.423574595	12.95111928	14.6222022	2.845964193	13.73978234	16.79953294	0
18.48	1.12	23.21	0.49	1.36546951	12.78823528	15.37414434	2.848869185	13.76251683	16.81959454	0
18.5	1.12	22.51	0.47	1.423574595	12.95111928	14.86555373	2.852004476	13.78619976	16.84084234	0
18.52	1.12	22.6	0.48	1.393916791	12.86882886	14.89940137	2.855070655	13.80976637	16.86180412	0
18.54	1.12	22.56	0.47	1.423574595	12.95111928	14.91399092	2.858202063	13.83352085	16.883112	0
18.56	1.12	22.57	0.47	1.423574595	12.95111928	14.79445209	2.861361659	13.8573111	16.90444991	0
18.57	1.12	22.63	0.47	1.423574595	12.95111928	14.60808548	2.864564878	13.88113337	16.92581468	0
18.59	1.12	23.61	0.5	1.338160119	12.70926996	15.44862601	2.867414849	13.90392478	16.94575802	0
18.61	1.2	24.41	0.52	1.133419011	12.55596991	16.23499465	2.869713942	13.92660434	16.96531388	0
18.63	1.2	25.41	0.55	1.071596155	12.33673579	17.12659683	2.871776596	13.94904992	16.98428667	0
18.65	1.2	25.05	0.54	1.091440529	12.40845616	16.85390967	2.87391351	13.9715793	17.00344992	0
18.67	1.2	24.97	0.53	1.112033746	12.48151717	16.88112716	2.876089472	13.99426721	17.0228742	0
18.69	1.2	25.35	0.54	1.091440529	12.40845616	17.359182	2.878168211	14.01691805	17.0421374	0
18.7	1.12	23.04	0.48	1.393916791	12.86882886	15.31287684	2.881180727	14.04014524	17.06278012	0
18.72	1.04	21.59	0.44	1.71520754	13.20892591	13.99564954	2.885240659	14.06459132	17.08532303	0
18.74	1.04	21.19	0.43	1.755096087	13.2987839	13.57034507	2.889529348	14.08915835	17.10821561	0
18.76	1.12	22.14	0.46	1.454521869	13.03517951	14.27313051	2.892912026	14.11340452	17.13014123	0
18.78	1.12	23.83	0.5	1.338160119	12.70926996	15.71183499	2.895741678	14.13650795	17.15034196	0
18.8	1.12	23.27	0.48	1.393916791	12.86882886	15.24132615	2.898783152	14.15985858	17.17108667	0
18.82	1.12	23.92	0.5	1.338160119	12.70926996	15.75008989	2.901611369	14.18308526	17.19139189	0
18.83	1.2	24.77	0.52	1.133419011	12.55596991	16.48912748	2.903901698	14.20612238	17.21123669	0
18.85	1.2	25.34	0.54	1.091440529	12.40845616	16.80328316	2.906068044	14.22897909	17.23066064	0
18.87	1.2	25.32	0.54	1.091440529	12.40845616	16.79794753	2.908237157	14.2518598	17.25010329	0
18.89	1.2	25.85	0.55	1.071596155	12.33673579	17.358034	2.91030009	14.27470257	17.26938904	0
18.91	1.2	26.05	0.55	1.071596155	12.33673579	17.5844131	2.912338537	14.2975914	17.28871038	0
18.93	1.28	26.2	0.56	0.919324073	12.26630776	17.72604134	2.914075011	14.32040707	17.30784814	0

CPTu-3

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(lp20%) (mm)	Ced.-RER(lp40%) (mm)	Ced.-RER(lp55%) (mm)
0.02				0			0	0	0	0
0.04				0			0	0	0	0
0.06		26.32	321.02	0	-12.55878881	-58.26938922	0	-0.010294378	-0.011715949	0
0.08	1.23	28.4	243.57	0.002302633	-11.47961417	-61.94181691	0	-0.019742408	-0.022652234	0
0.1	1.68	28.14	182.16	0.001101654	-10.34407716	-56.12685922	0	-0.028436664	-0.032910335	0
0.12	5.81	26.03	130.82	-0.009422936	-9.050067303	-43.58874416	9.12E-08	-0.036429064	-0.042569044	0
0.14	5.59	25.11	103.2	-0.011512746	-8.123117276	-36.99113268	2.44E-07	-0.043715194	-0.051576926	0
0.16	5.7	25.46	88.54	-0.013673222	-7.524255659	-35.21186115	4.63E-07	-0.050552777	-0.060201053	0
0.18	5.92	26.59	80.73	-0.015537913	-7.163314572	-35.91120025	7.38E-07	-0.057075791	-0.068569028	0
0.2	6.26	28.79	77.97	-0.016915323	-7.027347808	-40.1332536	1.04E-06	-0.063289796	-0.076641967	0
0.22	6.59	30.46	74.1	-0.018599665	-6.828363872	-42.78051906	1.37E-06	-0.069147399	-0.084362516	0
0.24	6.7	31.09	68.25	-0.020474124	-6.506923901	-41.86873677	1.79E-06	-0.074709982	-0.091831352	0
0.26	6.48	29.9	58.7	-0.023148033	-5.917742911	-35.55131396	2.39E-06	-0.079928674	-0.099044978	0
0.28	6.48	29.66	53.04	-0.025618204	-5.521431639	-32.91678771	3.16E-06	-0.084800125	-0.105954817	0
0.3	6.14	28.11	45.42	-0.028545308	-4.915224169	-26.96934349	4.28E-06	-0.089165657	-0.112392043	0
0.32	6.03	27.16	40.18	-0.031748234	-4.436089392	-23.02215056	5.84E-06	-0.093119749	-0.118455803	0
0.34	5.92	26.47	36.02	-0.034824424	-4.008893376	-19.97439143	7.94E-06	-0.096786827	-0.124324004	0
0.36	5.92	26.79	33.99	-0.036904258	-3.782160481	-19.16269429	1.04E-05	-0.10020796	-0.129987159	0
0.38	6.14	27.96	33.55	-0.038644646	-3.731232721	-20.36394882	1.30E-05	-0.10341992	-0.135423716	0
0.4	6.26	28.33	31.96	-0.041266825	-3.541460936	-19.7448134	1.59E-05	-0.106416202	-0.140682069	0
0.42	6.14	27.95	29.58	-0.043831233	-3.238983527	-17.64828193	1.96E-05	-0.109116677	-0.145677602	0
0.44	6.26	28.31	28.34	-0.046538028	-3.071598613	-17.09467492	2.39E-05	-0.111616747	-0.150508795	0
0.46	6.14	27.76	26.13	-0.049618365	-2.754254688	-14.88038426	2.93E-05	-0.113814336	-0.155072099	0
0.48	6.03	27.26	24.24	-0.052625558	-2.460793539	-12.97172863	3.62E-05	-0.115724551	-0.159381019	0
0.5	6.03	27.09	22.84	-0.055851316	-2.228264896	-11.764793	4.46E-05	-0.117390518	-0.163480843	0
0.52	6.03	27.08	21.72	-0.05873131	-2.031738388	-10.79509336	5.47E-05	-0.118839087	-0.167402712	0
0.54	6.14	27.32	20.93	-0.061945909	-1.886923055	-10.29375021	6.62E-05	-0.120102625	-0.171174846	0
0.56	6.37	28.18	20.78	-0.064437483	-1.858809889	-10.92416995	7.80E-05	-0.121263608	-0.174884265	0
0.58	6.59	28.87	20.49	-0.067263797	-1.803877626	-11.39605102	9.01E-05	-0.122277634	-0.178421247	0
0.6	7.26	31.4	21.77	-0.06844701	-2.040725861	-15.33891186	9.97E-05	-0.123351946	-0.182002596	0
0.62	7.6	32.7	21.96	-0.070262484	-2.074691022	-17.13406402	0.000108717	-0.124342986	-0.185463995	0
0.64	8.15	35.33	23.22	-0.069925893	-2.292759939	-22.27180126	0.000115888	-0.125381134	-0.188948162	0
0.66	8.94	38.42	24.75	-0.069921527	-2.542176829	-27.31711365	0.000121929	-0.126487066	-0.192471736	0
0.68	9.94	42.79	27.21	-0.068101719	-2.912556876	-34.53995374	0.000126732	-0.12773479	-0.196096981	0
0.7	11.06	47.35	29.72	-0.066500291	-3.257439246	-42.93858691	0.000130622	-0.12911154	-0.199820154	0
0.72	12.73	55.42	34.86	-0.061355237	-3.880946445	-59.09447295	0.000133309	-0.130791069	-0.203806585	0
0.74	14.3	68.44	43.76	-0.051946843	-4.76969582	-81.71347485	0.000135002	-0.132834081	-0.208003088	0
0.76	16.2	72.22	45.15	-0.053539534	-4.891919792	-94.95363074	0.000135002	-0.134869228	-0.212175021	0
0.78	18.54	83.95	52.6	-0.048919618	-5.488871697	-121.9317719	0.000135002	-0.137149708	-0.216538449	0
0.8	20.55	94.19	58.72	-0.04584604	-5.919074422	-145.4474033	0.000135002	-0.139562075	-0.220976488	0
0.82	23.12	108.25	67.58	-0.041849773	-6.468363687	-179.1989007	0.000135002	-0.142167322	-0.225548967	0
0.84	24.35	114.95	70.53	-0.040948352	-6.635364955	-193.8460826	0.000135002	-0.144838903	-0.230206835	0
0.86		123.52	74.72	0	-6.860931769	-212.7008229	0.000135002	-0.147493731	-0.234779761	0
0.88		124.74	73.35	0	-6.788601064	-212.2509074	0.000135002	-0.150068475	-0.23928411	0
0.9		130.37	75.16	0	-6.883880943	-223.5161723	0.000135002	-0.152666625	-0.243827578	0
0.92		137.39	77.94	0	-7.025843613	-236.1598219	0.000135002	-0.155197472	-0.248231214	0
0.94	18.32	83.94	40.91	-0.062561275	-4.506465315	-98.76441489	0.000135002	-0.15652784	-0.251786599	0
0.96				0			0.000135002	-0.15652784	-0.251786599	0
0.98				0			0.000135002	-0.15652784	-0.251786599	0
1				0			0.000135002	-0.15652784	-0.251786599	0
1.02				0			0.000135002	-0.15652784	-0.251786599	0
1.04				0			0.000135002	-0.15652784	-0.251786599	0
1.06				0			0.000135002	-0.15652784	-0.251786599	0
1.08				0			0.000135002	-0.15652784	-0.251786599	0
1.1				0			0.000135002	-0.15652784	-0.251786599	0
1.12				0			0.000135002	-0.15652784	-0.251786599	0
1.14				0			0.000135002	-0.15652784	-0.251786599	0
1.16				0			0.000135002	-0.15652784	-0.251786599	0
1.18				0			0.000135002	-0.15652784	-0.251786599	0
1.2				0			0.000135002	-0.15652784	-0.251786599	0
1.22				0			0.000135002	-0.15652784	-0.251786599	0
1.24				0			0.000135002	-0.15652784	-0.251786599	0
1.26				0			0.000135002	-0.15652784	-0.251786599	0
1.28				0			0.000135002	-0.15652784	-0.251786599	0
1.3				0			0.000135002	-0.15652784	-0.251786599	0
1.32		132.18	46.25	0	-4.986005634	-150.0620166	0.000135002	-0.157291751	-0.254745955	0
1.34		128.06	43.62	0	-4.757170951	-140.1185695	0.000135002	-0.157912598	-0.257666305	0
1.36	22.19	102.7	32.48	-0.085615099	-3.604544185	-88.18921058	0.000135002	-0.157799429	-0.259973577	0
1.38	19.94	90.99	27.41	-0.096945236	-2.94118132	-65.08651908	0.000135002	-0.157218695	-0.26192939	0
1.4	19.92	91.22	26.99	-0.098410879	-2.880825961	-63.74000288	0.000135002	-0.156559306	-0.263820089	0
1.42	19.9	91.61	26.67	-0.099548151	-2.834207141	-62.67599683	0.000135002	-0.155830457	-0.265653411	0
1.44	18.53	84.48	23.68	-0.108638033	-2.369435282	-48.95703486	0.000135002	-0.154726448	-0.267230616	0
1.46	19.62	89.85	25.12	-0.105038987	-2.600176716	-56.65462641	0.000135002	-0.153764769	-0.268870953	0
1.48	20.59	94.97	26.47	-0.101787906	-2.804785472	-64.04093743	0.000135002	-0.152896164	-0.270608141	0
1.5	21.2	98.22	27.13	-0.100554861	-2.901048144	-68.17741639	0.000135002	-0.15208182	-0.272314171	0
1.52	21.3	99.32	27.07	-0.100978565	-2.892394302	-68.59683314	0.000135002	-0.15122184	-0.273992819	0
1.54	19.93	91.6	24.05	-0.110465256	-2.430035726	-53.87554448	0.000135002	-0.14989737	-0.275420006	0
1.56	20.17	92.83	24.06	-0.110994085	-2.431660607	-54.56485913	0.000135002	-0.148721635	-0.276817984	0
1.58	21.5	100.83	26.26	-0.104504429	-2.773652496	-66.42803423	0.000135002	-0.147677353	-0.2783446	0
1.6	21.61	101.83	26.16	-0.105129269	-2.758739657	-66.33852973	0.000135002	-0.146588267	-0.279834585	0
1.62	20.37	95.8	23.87	-0.112355096	-2.400671771	-54.69728974	0.000135002	-0.145184166	-0.281131033	0
1.64	21.82	102.85	25.68	-0.107529347	-2.686355175	-65.31475026	0.000135002	-0.143973041	-0.282530088	0
1.66	22.67	108.1	26.91	-0.104254963	-2.86922328	-72.7249974	0.000135002	-0.142842671	-0.284015469	0
1.68	22.53	106.83	26.12	-0.10713418	-2.752758553	-69.14329385	0.000135002	-0.141599241	-0.285407597	0
1.7				0			0.000135002	-0.141599241	-0.285407597	0
1.72	22.38	109.64	26.21	-0.106471874	-2.766203189	-69.36442597	0.000135002	-0.140298225	-0.286753178	0
1.74	21.75	105.52	24.63	-0.111962714	-2.523179707	-61.42933314	0.000135002	-0.138807524	-0.287923593	0
1.76	20.88	99.9	22.67	-0.119562555	-2.199063681	-51.41811116	0.000135002	-0.137070833	-0.288872843	0
1.78	21.48	102.44	23.06	-0.118959721	-2.265733727	-54.60930337	0.000135002	-0.135334729	-0.289841601	0

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
1.8	20.98	98.52	21.66	-0.125392548	-2.020926071	-47.61026976	0.000135002	-0.133406857	-0.290634364	0
1.82	20.48	94.85	20.37	-0.131965522	-1.780919261	-40.93179345	0.000135002	-0.131197762	-0.291281859	0
1.84	19.25	87.58	18.18	-0.143926609	-1.33634491	-28.91617861	0.000135002	-0.128656917	-0.291620071	0
1.86	19.24	87.68	17.96	-0.145656207	-1.288756991	-27.99272975	0.000135002	-0.126036261	-0.291902655	0
1.88	20.08	92.21	18.86	-0.141322983	-1.479875196	-33.53021305	0.000135002	-0.123507802	-0.292280359	0
1.9	7.26	28.68	4.32	-0.344928567	4.280646279	29.51848061	0.000135002	-0.115017086	-0.287977534	0
1.92	21.5	99.17	20.12	-0.13639594	-1.732651787	-41.85203066	0.000135002	-0.112670924	-0.288448502	0
1.94	22.46	104.68	21.24	-0.131579564	-1.944390612	-49.08003561	0.000135002	-0.11043145	-0.289026481	0
1.96	22.93	107.71	21.73	-0.12971352	-2.033537537	-52.54534916	0.000135002	-0.108298027	-0.289613679	0
1.98	23.41	111.05	22.29	-0.127528388	-2.132990616	-56.33441517	0.000135002	-0.106197231	-0.290237507	0
2	23.75	113.02	22.49	-0.127134958	-2.167905099	-57.90847399	0.000135002	-0.104091758	-0.290858109	0
2.02	23.13	109.25	21.29	-0.132865532	-1.953580953	-50.84526539	0.000135002	-0.10181209	-0.291327153	0
2.04	21.91	102.93	19.52	-0.14170639	-1.61431832	-39.97410539	0.000135002	-0.099180681	-0.291577758	0
2.06	20.93	97.26	17.96	-0.151071612	-1.288756991	-30.46781333	0.000135002	-0.096292197	-0.291600305	0
2.08	20.56	95.31	17.3	-0.155644016	-1.142414928	-26.601223	0.000135002	-0.093271901	-0.291506819	0
2.1	20.43	94.62	16.93	-0.15861275	-1.057912623	-24.52931219	0.000135002	-0.090155591	-0.291335749	0
2.12	19.58	89.64	15.63	-0.168664219	-0.745630802	-16.56976559	0.000135002	-0.086668025	-0.290929633	0
2.14	19.33	88.42	15.18	-0.172686214	-0.631445944	-13.86875036	0.000135002	-0.083068808	-0.29042432	0
2.16	19.2	87.77	14.87	-0.175762022	-0.550798717	-12.04347832	0.000135002	-0.079371638	-0.289840213	0
2.18	19.67	89.91	15.15	-0.174357729	-0.623713696	-13.92909858	0.000135002	-0.075689069	-0.28927811	0
2.2	20.37	93.83	15.79	-0.169849027	-0.78543917	-18.18158154	0.000135002	-0.072206612	-0.28881291	0
2.22	21.08	97.76	16.43	-0.165641863	-0.940738071	-22.49637749	0.000135002	-0.068804757	-0.28842322	0
2.24	21.91	102.54	17.24	-0.160447142	-1.128835353	-28.10149821	0.000135002	-0.065484294	-0.288128219	0
2.26	22.14	104.32	17.42	-0.159481772	-1.169433356	-29.39801092	0.000135002	-0.062166874	-0.287836476	0
2.28	22.72	108.12	18.02	-0.15582942	-1.30179308	-33.60180487	0.000135002	-0.059031151	-0.287510537	0
2.3	23.31	111.24	18.46	-0.153719526	-1.39608527	-36.91090301	0.000135002	-0.055927962	-0.287429893	0
2.32	23.42	114.81	19	-0.149636902	-1.508782409	-40.26922143	0.000135002	-0.052871847	-0.287292917	0
2.34	23.89	118.84	19.62	-0.146078234	-1.634291027	-44.4788646	0.000135002	-0.049873044	-0.287212484	0
2.36	23.87	119.3	19.51	-0.146852252	-1.612315425	-43.7248012	0.000135002	-0.046842335	-0.287097464	0
2.38	23.14	116.32	18.7	-0.151294466	-1.446574459	-38.09490188	0.000135002	-0.0436869296	-0.286858266	0
2.4	22.18	111.47	17.54	-0.158509561	-1.196266301	-30.22445764	0.000135002	-0.040160179	-0.286425484	0
2.42	21.69	108.46	16.78	-0.164150799	-1.023127608	-25.26128667	0.000135002	-0.036509873	-0.285860438	0
2.44	20.49	103.84	15.73	-0.170928265	-0.770558504	-18.02450383	0.000135002	-0.032668146	-0.285113916	0
2.46	19.53	97.99	14.49	-0.181730018	-0.449615469	-10.01744165	0.000135002	-0.028399432	-0.284098978	0
2.48	18.69	99.97	14.71	-0.175559534	-0.508514055	-10.86197208	0.000135002	-0.02420038	-0.283113855	0
2.5	103.94	15.38	0	-0.682607019	-14.57729133	0.000135002	-0.020121196	-0.282226345	0	0
2.52	14.67	79.85	11.01	-0.209146603	0.623914129	10.47957367	0.000135002	-0.01473769	-0.280344979	0
2.54	12.44	66.1	8.66	-0.243905567	1.562338972	22.41978297	0.000135002	-0.008216114	-0.277626187	0
2.56	11.14	58.33	7.37	-0.269296419	2.192792609	28.2195305	0.000135002	-0.000930112	-0.274317729	0
2.58	9.97	54.84	6.8	-0.273018988	2.507419786	28.97614423	0.000135002	0.006803934	-0.270673063	0
2.6	9.5	52.04	6.35	-0.283581857	2.775036472	30.33331317	0.000135002	0.015023038	-0.266686678	0
2.62	9.5	51.66	6.26	-0.287658912	2.830831001	30.92971613	0.000135002	0.023345778	-0.262619484	0
2.64	7.87	41.39	4.73	-0.334734205	3.926249733	33.04488826	0.000135002	0.032931802	-0.257504468	0
2.66	7.4	42.4	4.86	-0.311143287	3.820273577	32.11127135	0.000135002	0.042427334	-0.252466599	0
2.68	5.76	31.65	3.36	-0.363905895	5.262946503	26.1780538	0.000135002	0.054451404	-0.245506269	0
2.7	5.65	32.06	3.4	-0.353073197	5.216689747	25.85381005	0.000135002	0.06642298	-0.238586826	0
2.72	5.65	31.38	3.3	-0.363772385	5.333374541	25.52105052	0.000135002	0.078577447	-0.231513323	0
2.74	5.54	31.36	3.29	-0.35797446	5.345236918	25.53382259	0.000135002	0.090798259	-0.224391085	0
2.76	5.54	30.7	3.19	-0.36919623	5.465883852	25.20040284	0.000135002	0.103252862	-0.217078303	0
2.78	4.67	25.58	2.53	-0.387503123	6.371915309	21.53560821	0.000135002	0.117395195	-0.208410349	0
2.8	4.56	24.26	2.36	-0.403748509	6.643791973	21.04142068	0.000135002	0.131971098	-0.199363684	0
2.82	4.23	22.44	2.13	-0.406603463	7.044583569	19.23248805	0.000135002	0.147457065	-0.189583613	0
2.84	3.9	20.55	1.9	-0.406437818	7.491217591	17.50375429	0.000135002	0.163973421	-0.178956813	0
2.86	3.36	16.79	1.47	-0.408205767	8.494143987	14.3812653	0.000135002	0.182673047	-0.166423273	0
2.88	3.25	16.16	1.4	-0.401149814	8.684847679	14.03436646	0.000135002	0.202230893	-0.153212613	0
2.9	1.08	4.64	0.29	2.452044174	14.83841802	28.00454633	0.008803323	0.238807718	-0.106248249	0
2.92	0.75	3.12	0.18	1	16.70254745	1.560017932	0.015164788	0.282448351	-0.106248349	0
2.94	5.21	29.05	2.89	-0.382971745	5.851919415	24.69761626	0.015164788	0.296269483	-0.097902488	0
2.96	4.44	24.59	2.34	-0.394033633	6.677057283	20.58189553	0.015164788	0.311788263	-0.088210443	0
2.98	4.44	24.16	2.28	-0.404402939	6.778586377	20.42123711	0.015164788	0.32735062	-0.078323488	0
3	3.89	22.67	2.1	-0.366317114	7.100026347	18.84119792	0.015164788	0.344182567	-0.06776059	0
3.02	3.78	21.61	1.97	-0.373669131	7.349803965	17.87281229	0.015164788	0.361627204	-0.056576506	0
3.04	3.27	18.3	1.59	-0.357671083	8.187425881	15.53064628	0.015164788	0.380809695	-0.043892747	0
3.06	3.06	16.69	1.42	-0.34649225	8.629404901	13.90887482	0.015164788	0.401177117	-0.030203632	0
3.08	2.86	15.74	1.31	-0.315979884	8.944558339	12.45225634	0.015164788	0.422518313	-0.015692371	0
3.1	2.86	16.1	1.35	-0.306617517	8.826996084	12.53521714	0.015164788	0.443827665	-0.001277149	0
3.12	3.17	18.51	1.6	-0.333011023	8.162920156	14.61521876	0.015164788	0.463945153	0.011997724	0
3.14	3.68	22.01	1.98	-0.356138989	7.330013288	17.46632216	0.015164788	0.482176405	0.023683047	0
3.16	4.19	25.66	2.39	-0.35777795	6.594418891	20.26992479	0.015164788	0.498775875	0.034060045	0
3.18	4.4	26.63	2.5	-0.364633648	6.418539922	21.48067082	0.015164788	0.515306161	0.044335023	0
3.2	4.6	28.71	2.73	-0.352723748	6.074536177	22.19781308	0.015164788	0.531090212	0.054034789	0
3.22	4.09	25.13	2.3	-0.359645217	6.744449476	20.19119562	0.015164788	0.548308124	0.064859931	0
3.24	3.06	17.64	1.48	-0.332445267	8.467644561	14.20887693	0.015164788	0.57000265	0.079286547	0
3.26	2.75	15.23	1.22	-0.302151611	9.222761524	12.17985555	0.015164788	0.593687047	0.09544694	0
3.28	3.57	21.54	1.88	-0.356434816	7.532579357	17.35325502	0.015164788	0.613334095	0.10811617	0
3.3	3.88	24.04	2.15	-0.356415065	7.008053861	19.21832626	0.015164788	0.631900735	0.119885192	0
3.32	3.88	24.15	2.16	-0.354764995	6.98991624	19.07268545	0.015164788	0.65055217	0.131704968	0
3.34	3.88	23.9	2.13	-0.359761685	7.044583569	19.15091177	0.015164788	0.669450531	0.143699899	0
3.36	3.88	24.04	2.13	-0.359761685	7.044583569	19.0503499	0.015164788	0.688461679	0.1557651	0
3.38	2.85	16.55	1.33	-0.308185961	8.885335231	12.9688576	0.015164788	0.712615981	0.171972841	0
3.4	3.16	18.73	1.55	-0.341398477	8.287014716	15.29907222	0.015164788	0.734848263	0.186606467	0
3.42	3.09	18.8	1.56	-0.32262151	8.261878615	15.91518725	0.015164788	0.757225736	0.20131889	0
3.44	3.19	18.87	1.56	-0.34620719	8.261878615	16.6507423	0.015164788	0.779288445	0.215818825	0
3.46	3.09	18.55	1.52	-0.33111155	8.363407708	16.42079833	0.015164788	0.802170983	0.230897175	0
3.48	3.19	18.99	1.56	-0.34620719	8.261878615	17.19090393	0.015164788	0.824531192	0.245581148	0
3.5	3.19	18.6								

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
3.58	4.25	25.87	2.26	-0.385625909	6.813024048	24.75961947	0.015164788	0.930314479	0.313947699	0
3.6	4.35	27.05	2.38	-0.377471186	6.610807386	25.57503221	0.015164788	0.948702782	0.325465196	0
3.62	4.45	27.99	2.47	-0.374347218	6.465727421	26.36736574	0.015164788	0.966948203	0.366848065	0.003078868
3.64	4.15	26.2	2.27	-0.371809664	6.795767285	24.16935022	0.015164788	0.98620189	0.34896557	0.012190857
3.66	4.06	25.57	2.2	-0.372126932	6.918195873	23.17671717	0.015164788	1.005634584	0.361234729	0.021476261
3.68	3.77	24.13	2.04	-0.359347055	7.213328493	21.41803136	0.015164788	1.026072886	0.374237886	0.031467491
3.7	3.47	22.5	1.86	-0.342621722	7.574383502	19.30074106	0.015164788	1.047604986	0.38806461	0.042297084
3.72	3.38	21.95	1.8	-0.337176902	7.702547454	18.82209901	0.015164788	1.069386127	0.402095562	0.053364791
3.74	3.38	21.45	1.74	-0.348803691	7.835056765	18.88515072	0.015164788	1.091552088	0.416421032	0.064749577
3.76	3.18	19.6	1.55	-0.346100735	8.287014716	17.34505328	0.015164788	1.115154479	0.431853332	0.077349552
3.78	2.8	17.51	1.34	-0.290627137	8.856056815	15.08788687	0.015164788	1.140502884	0.448681193	0.091638879
3.8	2.8	17.24	1.31	-0.29728272	8.944558339	14.61827058	0.015164788	1.166107531	0.465715631	0.106202577
3.82	2.6	15.82	1.18	-0.257482293	9.353061934	13.03891658	0.015164788	1.193178921	0.483933902	0.122334183
3.84	2.38	15.26	1.12	-0.180084559	9.557037796	12.53071011	0.015164788	1.221472742	0.503805058	0.139638188
3.86	2.38	15.25	1.12	-0.180084559	9.557037796	12.55947679	0.015164788	1.24983293	0.522272305	0.156974107
3.88	2.2	14.04	1	-0.110844331	10	11.5498	0.015164788	1.279457829	0.54259289	0.176334119
3.9	2.01	12.26	0.85	-0.007648839	10.63522967	9.83141901	0.015164788	1.31228845	0.565628429	0.200922354
3.92	2.65	17.53	1.32	-0.246843958	8.914834619	14.99840691	0.015164788	1.338278325	0.58286766	0.215625103
3.94	2.84	19.22	1.47	-0.276072643	8.494143987	16.89086014	0.015164788	1.362928383	0.599031797	0.229001766
3.96	3.11	21.25	1.67	-0.305833913	7.99555176	18.69008197	0.015164788	1.386092258	0.614027605	0.241034867
3.98	2.65	17.86	1.34	-0.24315972	8.856056815	15.06167295	0.015164788	1.412089729	0.631231212	0.255640787
4	2.93	20.17	1.55	-0.285076045	8.287014716	17.11193956	0.015164788	1.436324476	0.647033449	0.26854565
4.02	3.11	22.33	1.75	-0.291852934	7.812657562	18.34154178	0.015164788	1.458992223	0.661643165	0.280147225
4.04	3.11	22.67	1.79	-0.285331081	7.724322721	18.04648966	0.015164788	1.481420967	0.676066793	0.291546203
4.06	2.84	20.58	1.58	-0.256852395	8.212086217	15.5651061	0.015164788	1.505235682	0.691567983	0.30414591
4.08	2.56	19.04	1.43	-0.199942873	8.601975663	14.10345522	0.015164788	1.530365996	0.708089294	0.317918212
4.1	2.38	17.17	1.25	-0.16135765	9.127809883	12.53841605	0.015164788	1.557252659	0.726017852	0.333472852
4.12	2.38	17.07	1.24	-0.162657021	9.159204834	12.50597828	0.015164788	1.584236333	0.744025405	0.349139694
4.14	2.47	18.1	1.33	-0.183890147	8.885335231	13.23612848	0.015164788	1.610014779	0.761101541	0.363669871
4.16	2.38	17.15	1.24	-0.162657021	9.159204834	12.51367201	0.015164788	1.637058744	0.779151541	0.379372833
4.18	2.1	15.3	1.07	-0.053367593	9.735546001	10.95414429	0.015164788	1.666115817	0.798878079	0.397547007
4.2	2.01	13.88	0.95	-0.006843698	10.20048755	9.895594979	0.015164788	1.697098532	0.820237161	0.418508612
4.22	1.92	13.22	0.89	0.052155878	10.45548994	9.199576489	0.015230734	1.72876592	0.842271149	0.441135334
4.24	2.01	14.21	0.97	-0.00670259	10.11905439	10.10124486	0.015230734	1.759577301	0.863454611	0.46166408
4.26	2.01	14.44	0.99	-0.006567185	10.03928325	10.13726665	0.015230734	1.790078581	0.884369807	0.481698007
4.28	1.74	13.08	0.87	0.184067816	10.54432673	9.005276797	0.015470005	1.822080433	0.906715375	0.505069826
4.3	1.74	12.91	0.85	0.188398823	10.63522967	8.917001963	0.015717879	1.855062782	0.929830233	0.529745961
4.32	1.91	14.41	0.98	0.053521677	10.07896532	10.19426868	0.01577796	1.885092192	0.95045395	0.54961432
4.34	2.09	16.16	1.12	-0.046061715	9.557037796	11.9006146	0.01577796	1.913188185	0.969432298	0.566759104
4.36	2.09	16.01	1.11	-0.046476686	9.592093191	12.04757313	0.01577796	1.941467073	0.9885559	0.584099391
4.38	2.26	17.68	1.25	-0.113542759	9.127809883	13.21953322	0.01577796	1.967995573	1.006255553	0.599457073
4.4	2.09	15.7	1.08	-0.047767705	9.699186201	11.53660003	0.01577796	1.996478285	1.025583534	0.617190846
4.42	2	15.42	1.05	-0.00070456	9.809296308	11.28873438	0.01577796	2.025916926	1.045631301	0.63582461
4.44	1.82	13.08	0.85	0.127306009	10.63522967	9.544905923	0.015938424	2.05842599	1.06843131	0.660162621
4.46	1.65	12.05	0.76	0.291437774	11.07267767	8.764245829	0.016335266	2.093115788	1.093223498	0.69045058
4.48	2	15.32	1.03	-0.000718241	9.884464978	11.60960065	0.016335266	2.122209016	1.113088943	0.709088717
4.5	2.26	17.76	1.24	-0.114458426	9.159204834	13.66379336	0.016335266	2.148922869	1.130934641	0.724615079
4.52	2.26	17.52	1.21	-0.117296238	9.254931667	13.60798878	0.016335266	2.1759371	1.149031523	0.740492934
4.54	2.17	16.52	1.12	-0.084806154	9.557037796	12.54628808	0.016335266	2.204224055	1.168152635	0.757767757
4.56	2	15.23	1.01	-0.000732464	9.961107636	11.26511624	0.016335266	2.233548877	1.188233329	0.776797981
4.58	2.17	16.95	1.15	-0.082593819	9.453719437	12.51691361	0.016335266	2.261549389	1.207102854	0.793667123
4.6	2.26	17.57	1.21	-0.117296238	9.254931667	13.2871203	0.016335266	2.288525572	1.225170177	0.80951874
4.62	2	15.6	1.03	-0.000718241	9.884464978	11.40805641	0.016335266	2.317768236	1.245126581	0.828241491
4.64	1.65	12.88	0.81	0.273447788	10.82363483	8.773963102	0.016714367	2.351045702	1.268619969	0.854592738
4.66	1.39	10.73	0.64	0.655594736	11.74438023	6.79612051	0.017890095	2.389182148	1.296790693	0.854592738
4.68	1.3	10.04	0.59	0.842221496	12.0623319	6.161197885	0.019559447	2.429537932	1.327196247	0.854592738
4.7	1.21	9.13	0.53	1.093945123	12.48151717	5.397132841	0.022039562	2.472894214	1.36093248	0.854592738
4.72	1.39	9.67	0.56	0.749251127	12.26630776	6.678023269	0.023415541	2.515029879	1.393102436	0.854592738
4.74	1.74	12.37	0.76	0.21070921	11.07267767	9.376454177	0.023691724	2.550068432	1.418028715	0.885110665
4.76	1.74	12.24	0.75	0.213518666	11.12444863	9.266331975	0.023975514	2.585344919	1.443169525	0.916598909
4.78	1.65	12.11	0.74	0.299314471	11.17691452	9.068160892	0.024382148	2.620955953	1.468584934	0.949261142
4.8	1.47	10.41	0.61	0.581862114	11.93203148	7.559419227	0.025334289	2.66136455	1.498606234	0.949261142
4.82	1.39	9.81	0.56	0.749251127	12.26630776	6.80240363	0.026699427	2.703468309	1.530596356	0.949261142
4.84	1.13	8.29	0.46	1.432198566	13.03517951	5.229974725	0.03010112	2.752092232	1.57049459	0.949261142
4.86	1.3	9.78	0.56	0.887340505	12.26630776	6.372469543	0.031834175	2.795130507	1.603128661	0.949261142
4.88	1.39	10.66	0.62	0.676742954	11.86847479	6.973203681	0.033044571	2.835415053	1.632832658	0.949261142
4.89	1.74	14.36	0.9	0.177932222	10.41181742	9.751916427	0.033272571	2.867813639	1.655180858	0.972020943
4.92	2.82	26.54	1.94	-0.204980736	7.409784431	19.1044249	0.033272571	2.889463504	1.668971684	0.982747778
4.93	2.57	23.5	1.66	-0.174953077	8.019027208	16.92560035	0.033272571	2.912863887	1.684084956	0.994895393
4.96	1.9	16.48	1.06	0.055203228	9.772247213	11.77878273	0.033331492	2.943105525	1.704492597	1.01376754
4.97	1.66	14.01	0.86	0.249433123	10.58951394	9.693111584	0.033655625	2.976621892	1.727689858	1.038295731
5	1.41	11.36	0.66	0.61072297	11.62410458	7.564967261	0.034674605	3.015910933	1.756078345	1.098462949
5.01	1.49	11.84	0.7	0.484749323	11.39411764	7.995252348	0.035441327	3.05430167	1.783478263	1.139474481
5.04	1.49	11.96	0.7	0.484749323	11.39411764	8.056552701	0.036203901	3.092086349	1.810418549	1.179852847
5.05	1.41	11.9	0.7	0.575824515	11.39411764	7.88894523	0.037130744	3.1307112	1.83793139	1.221143092
5.07	1.32	11.09	0.64	0.748864598	11.74438023	7.084092713	0.038475596	3.171054342	1.867136018	1.221143092
5.09	1.32	11.05	0.63	0.760751338	11.80593505	6.948265017	0.039871349	3.212693255	1.897342438	1.221143092
5.11	1.24	10.6	0.6	0.919163862	11.99663875	6.526531377	0.041669811	3.255459177	1.928664484	1.221143092
5.13	1.24	10.33	0.58	0.950859168	12.12914806	6.308976362	0.043598364	3.299230857	1.960941025	1.221143092
5.15	1.24	10.27	0.57	0.967540908	12.1971263	6.432276525	0.045526744	3.343791303	1.99389608	1.221143092
5.17	1.16	9.54	0.52	1.208734132	12.55596991					

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
5.35	1.49	12.76	0.73	0.464828118	11.23009426	8.137438601	0.074784643	3.835522755	2.37860653	0
5.37	1.24	10.87	0.6	0.919163862	11.99663875	6.606668924	0.076605811	3.879941747	2.410540707	0
5.39	1.07	9.38	0.5	1.443678303	12.70926996	5.330522007	0.080157508	3.932270952	2.449835255	0
5.41	0.99	8.13	0.41	1.979537518	13.48494529	4.409981658	0.086054848	3.998120073	2.50442165	0
5.43	0.83	6.44	0.31	1	14.57774476	3.221535814	0.090140477	3.998120073	2.50442165	0
5.45	0.79	6.6	0.32	1	14.4536502	3.340961243	0.094087246	3.998120073	2.50442165	0
5.47	0.95	8	0.4	2.148138025	13.58146008	4.430679721	0.100491885	4.06935068	2.564082178	0
5.49	1.03	8.69	0.45	1.701895516	13.12108738	4.994148277	0.10500174	4.129097424	2.61004572	0
5.51	1.03	9.01	0.47	1.62947443	12.95111928	5.231216099	0.109132105	4.186582852	2.653394269	0
5.53	1.11	9.52	0.5	1.358881753	12.70926996	5.655116762	0.112324149	4.240226091	2.692987192	0
5.55	1.03	9.04	0.47	1.62947443	12.95111928	5.507981518	0.116261763	4.298872118	2.736937997	0
5.57	1.03	8.96	0.46	1.664897788	13.03517951	5.514011287	0.120287824	4.359455837	2.782504657	0
5.59	1.1	9.61	0.5	1.379790915	12.70926996	6.013899453	0.123353058	4.414408472	2.822739762	0
5.61	1.34	11.94	0.66	0.699850358	11.62410458	7.773619938	0.124558185	4.457866819	2.852954325	0
5.63	1.42	13.15	0.74	0.533666222	11.17691452	8.60130634	0.125390205	4.497882099	2.880346579	0
5.65	1.42	13.73	0.78	0.506298723	10.97114858	7.771433286	0.126165633	4.536900069	2.906873138	0
5.67	1.34	12.9	0.72	0.641529495	11.28400753	8.080364954	0.127234272	4.578585783	2.935431252	0
5.69	1.34	12.82	0.71	0.650565122	11.33867486	7.971201814	0.128334597	4.620688676	2.964285392	0
5.71	1.34	12.2	0.67	0.68940483	11.56532678	8.093068718	0.129485441	4.664656769	2.994580852	0
5.73	1.34	11.82	0.64	0.721720682	11.74438023	7.92534267	0.130717914	4.710166689	3.026065149	0
5.75	1.1	9.82	0.51	1.352736191	12.63186842	6.150204094	0.133700433	4.766979515	3.066535917	0
5.77	1.1	9.58	0.49	1.407949913	12.78823528	5.838340935	0.136976776	4.826589379	3.109108463	0
5.79	1.1	9.59	0.49	1.407949913	12.78823528	5.837317876	0.140259482	4.886618997	3.151816367	0
5.81	1.18	11	0.58	1.049644587	12.12914806	6.993545479	0.142306077	4.937153513	3.18693979	0
5.83	1.26	11.21	0.59	0.903414153	12.0623319	7.164422029	0.144028818	4.986331364	3.22098435	0
5.85	1.26	11.56	0.61	0.873794016	11.93203148	7.398575443	0.145645176	5.034450599	3.254114154	0
5.87	1.18	11.92	0.63	0.966339461	11.80593505	6.912965271	0.147561929	5.081379707	3.286263602	0
5.89	1.18	11.31	0.59	1.031854001	12.0623319	6.45720751	0.149756606	5.131775437	3.320935124	0
5.91	1.58	15.65	0.89	0.305137246	10.45548994	9.74911704	0.150187217	5.168949417	3.345606602	0
5.93	1.34	13.11	0.71	0.650565122	11.33867486	7.900788644	0.151322051	5.211950956	3.374621257	0
5.95	1.26	12.28	0.65	0.820022077	11.68377979	7.346994408	0.152862984	5.258756414	3.406379342	0
5.97	1.26	11.79	0.62	0.859700564	11.86847479	7.051654299	0.154549065	5.307385024	3.439429283	0
5.99	1.18	11.02	0.57	1.068059405	12.1971263	6.526909593	0.156815188	5.360785988	3.475839286	0
6.01	1.1	10.23	0.52	1.326722034	12.55596991	5.888624327	0.159941936	5.419818073	3.516022886	0
6.03	1.1	10.19	0.51	1.352736191	12.63186842	5.890998154	0.163134679	5.480854011	3.557352266	0
6.05	1.1	10	0.5	1.379790915	12.70926996	5.792376877	0.166452441	5.545412886	3.600749956	0
6.07	0.95	9.05	0.44	1.95285275	13.20892591	4.965631518	0.171938611	5.639430542	3.654916986	0
6.09	0.95	8.92	0.43	1.99826793	13.2987839	4.874137287	0.177668403	5.639430542	3.713912918	0
6.11	1.02	9.41	0.46	1.689399007	13.03517951	5.162322143	0.182249982	5.719241854	3.763739885	0
6.13	0.95	8.96	0.43	1.99826793	13.2987839	4.813494833	0.188071887	5.719241854	3.823468788	0
6.15	0.95	9.08	0.44	1.95285275	13.20892591	4.958630787	0.193604397	5.920165359	3.878735445	0
6.17	0.95	9.21	0.45	1.909456022	13.12108738	5.005301201	0.198971915	6.017254321	3.931455876	0
6.19	0.95	9.06	0.44	1.95285275	13.20892591	4.914645064	0.204573014	6.017254321	3.987300035	0
6.21	1.02	9.64	0.47	1.653454347	12.95111928	5.303224322	0.208975388	6.098579479	4.036285546	0
6.23	0.94	9.15	0.44	1.980636158	13.20892591	4.853884005	0.214746056	6.098579479	4.092712108	0
6.25	0.91	8.85	0.42	2.16416642	13.39075639	4.593966793	0.221419501	6.098579479	4.160667781	0
6.27	0.98	10.13	0.5	1.646677277	12.70926996	5.446049271	0.225710015	6.169980975	4.205508659	0
6.29	0.91	9.28	0.44	2.065795219	13.20892591	5.001031439	0.231581446	6.169980975	4.263149054	0
6.31	0.91	9.34	0.45	2.019888659	13.12108738	5.15671855	0.237158476	6.169980975	4.317867437	0
6.33	0.98	9.31	0.44	1.871224179	13.20892591	5.378410453	0.242120425	6.169980975	4.376591045	0
6.35	0.91	8.6	0.4	2.272374741	13.58146008	4.95315849	0.24867629	6.169980975	4.376591045	0
6.37	0.91	8.52	0.4	2.272374741	13.58146008	4.921377874	0.255285571	6.169980975	4.376591045	0
6.39	0.91	8.12	0.37	2.456621342	13.88618448	4.722413619	0.262745305	6.169980975	4.376591045	0
6.41	0.9	8.07	0.37	2.491121419	13.88618448	4.697696211	0.270363391	6.169980975	4.376591045	0
6.43	0.9	8.44	0.39	2.363371602	13.68041854	5.033983609	0.277120195	6.169980975	4.376591045	0
6.45	1.13	10.81	0.53	1.243040265	12.48151717	7.060295004	0.27965899	6.237827367	4.41827496	0
6.47	1.36	13.37	0.69	0.644618121	11.45035818	9.336622063	0.280656369	6.286121802	4.449550269	0
6.49	1.43	14.43	0.75	0.51574152	11.12444863	10.26174764	0.281383713	6.33080972	4.478488938	0
6.51	1.36	13.97	0.72	0.617759033	11.28400753	9.836607886	0.282294342	6.378005872	4.508989899	0
6.53	1.36	13.21	0.67	0.663860453	11.56532678	9.247866596	0.283337095	6.428180111	4.541253938	0
6.55	1.36	13.68	0.7	0.635409291	11.39411764	9.741514817	0.284286408	6.476887141	4.57259449	0
6.57	1.36	13.63	0.69	0.644618121	11.45035818	9.767384538	0.285248776	6.526418634	4.604382548	0
6.59	1.51	15.38	0.81	0.399902864	10.82363483	11.35886357	0.285763069	6.568659407	4.631569433	0
6.61	1.58	16.29	0.87	0.312151895	10.54432673	12.27865759	0.28613515	6.609278286	4.65767866	0
6.62	1.51	15.52	0.81	0.399902864	10.82363483	11.692448	0.286636685	6.65185723	4.685017807	0
6.64	1.58	15.96	0.84	0.323300177	10.68148643	12.1903532	0.287026278	6.693730592	4.711878266	0
6.66	1.51	15.33	0.8	0.40490165	10.87219012	11.84579474	0.287529423	6.737075852	4.739634417	0
6.68	1.66	16.41	0.86	0.249433123	10.58951394	12.94578669	0.287813581	6.778665263	4.766255683	0
6.7	1.73	17.77	0.95	0.175576174	10.20048755	14.27629636	0.287995302	6.817136114	4.790848733	0
6.72	1.73	17.53	0.93	0.179352006	10.28365346	14.20100558	0.28818227	6.856250545	4.815836192	0
6.74	1.73	17.21	0.91	0.183293808	10.36862747	14.01278528	0.288376279	6.895942175	4.841170226	0
6.76	1.73	17.15	0.9	0.185330406	10.41181742	14.18381063	0.288570471	6.936147831	4.866806976	0
6.78	1.81	17.88	0.95	0.120605254	10.20048755	15.04928931	0.288689816	6.974317828	4.891124617	0
6.8	1.81	18.57	1	0.114574991	10	15.7739	0.288798189	7.011477206	4.91477281	0
6.82	1.88	19.09	1.03	0.068679729	9.884464978	16.45180235	0.288860599	7.048201835	4.938120647	0
6.84	1.73	17.51	0.92	0.181301484	10.32590955	15.04505674	0.289041117	7.087497236	4.963084347	0
6.86	1.73	16.96	0.88	0.189542461	10.49965595	14.6241308	0.28923566	7.128966556	4.989385271	0
6.88	1.73	16.79	0.87	0.19172111	10.54432673	14.47345919	0.289434886	7.170895004	5.015941454	0
6.9	1.73	16.77	0.87	0.19172111	10.54432673	14.47894224	0.289634407	7.212921651	5.042532013	0
6.92	1.73	17.33	0.9	0.185330406	10.41181742	15.14992317	0.289819127	7.253214183	5.068020678	0
6.94	1.73	17.18	0.89	0.18741277	10.45548994	15.23730826	0.29000522	7.29393937	5.093748888	0
6.96	1.73	17.2	0.89	0.18741277	10.45548994	15.28226687	0.290191157	7.334875623	5.119582961	0
6.98	1.73	16.91	0.86	0.193950425	10.58951394	15.08783356	0.290386421	7.376891082	5.146034718	0
7	1.73	17.16	0.88	0.189542461	10.49965595	15.34587715	0.290574409	7.418381556	5.172151282	0
7.02	1.66	16.42	0.83	0.258448778	10.72829717	14.56945669	0.290844965	7.462674324	5.199917149	0
7.04	1.74	17.37	0.89	0.17993146	10.45548994	15.73948545	0.291019667	7.504111501	5.225957833	0
7.06	1.74									

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
7.12	1.81	18.47	0.95	0.120605254	10.20048755	17.2856442	0.291570519	7.664531168	5.326693618	0
7.14	1.81	18.9	0.97	0.118118547	10.11905439	17.92823224	0.291672231	7.703504137	5.351141173	0
7.16	1.88	19.49	1.01	0.070039724	9.961107636	18.79392061	0.291729884	7.74178246	5.375156485	0
7.18	2.02	20.93	1.1	-0.011122402	9.627465834	20.57851567	0.291729884	7.77746651	5.397554439	0
7.2	2.18	22.25	1.19	-0.084280902	9.320077347	22.05372622	0.291729884	7.811855711	5.419131303	0
7.22	2.18	22	1.17	-0.085721601	9.386327244	21.77327558	0.291729884	7.846572296	5.440900432	0
7.24	2.26	22.73	1.21	-0.117296238	9.254931667	22.70521641	0.291729884	7.879919578	5.461799	0
7.26	2.26	23.19	1.24	-0.114458426	9.159204834	23.18478679	0.291729884	7.912913441	5.482464226	0
7.28	2.33	24.38	1.32	-0.134217235	8.914834619	24.53834973	0.291729884	7.945012967	5.502552311	0
7.3	2.24	24.47	1.32	-0.099742219	8.914834619	24.526493	0.291729884	7.977162902	5.522662089	0
7.32	2.24	24.4	1.31	-0.10050361	8.944558339	24.29476213	0.291729884	8.009510651	5.542886572	0
7.34	2.31	25.26	1.36	-0.122946961	8.798149825	25.3025111	0.291729884	8.04051767	5.562258868	0
7.36	2.24	24.44	1.31	-0.10050361	8.944558339	24.33215039	0.291729884	8.072962917	5.582524941	0
7.38	2.09	22.98	1.21	-0.042635637	9.254931667	22.55639711	0.291729884	8.106794711	5.603643412	0
7.4	2.24	24.19	1.28	-0.102859163	9.035110273	24.01803364	0.291729884	8.139804078	5.624241684	0
7.42	2.17	23.29	1.22	-0.07785483	9.222761524	23.14396668	0.291729884	8.173670298	5.645358774	0
7.44	2.17	23.67	1.24	-0.076599106	9.159204834	23.75998485	0.291729884	8.207344876	5.666347113	0
7.46	2.17	23.31	1.22	-0.07785483	9.222761524	23.21498194	0.291729884	8.241322272	5.687509335	0
7.48	2.17	23.6	1.23	-0.077221863	9.190853997	23.51838438	0.291729884	8.275276504	5.708647436	0
7.5	2.17	23.41	1.22	-0.07785483	9.222761524	22.92013026	0.291729884	8.309362745	5.729853641	0
7.52	2.24	24.86	1.31	-0.10050361	8.944558339	24.38170324	0.291729884	8.342306278	5.75034962	0
7.54	2.17	24.49	1.28	-0.074205384	9.035110273	23.91855708	0.291729884	8.375777732	5.771160414	0
7.56	2.17	24.35	1.27	-0.074789679	9.065766511	23.65548587	0.291729884	8.409364669	5.792030943	0
7.58	2.16	23.9	1.24	-0.07229595	9.159204834	23.08705807	0.291729884	8.443417277	5.813172979	0
7.6	2.16	24	1.24	-0.07229595	9.159204834	23.13679255	0.291729884	8.477525116	5.834337268	0
7.62	2.16	24.07	1.24	-0.07229595	9.159204834	23.34232511	0.291729884	8.511789377	5.855586487	0
7.64	2.09	23.55	1.21	-0.042635637	9.254931667	22.9565486	0.291729884	8.546552865	5.877122873	0
7.66	2.16	23.86	1.22	-0.07348113	9.222761524	23.59901773	0.291729884	8.581285516	5.898632184	0
7.68	2.16	23.69	1.21	-0.074088412	9.254931667	23.54565675	0.291729884	8.616261006	5.920275247	0
7.7	2.16	24	1.23	-0.072883722	9.190853997	23.93169709	0.291729884	8.651022477	5.941781673	0
7.72	2.09	23.23	1.17	-0.044093266	9.386327244	23.04587383	0.291729884	8.686798627	5.963871995	0
7.74	2.09	22.97	1.15	-0.044860105	9.453719437	22.74659434	0.291729884	8.723053557	5.986230433	0
7.76	2.16	23.97	1.21	-0.074088412	9.254931667	23.85005146	0.291729884	8.758356039	6.008024949	0
7.78	2.16	24.42	1.24	-0.07229595	9.159204834	24.22032649	0.291729884	8.792311104	6.028989423	0
7.8	2.24	25.23	1.29	-0.102061805	9.004692607	25.07725849	0.291729884	8.825661521	6.049587823	0
7.81	2.24	25.78	1.32	-0.099742219	8.914834619	25.61392453	0.291729884	8.858675284	6.069977059	0
7.83	2.16	24.94	1.26	-0.071148395	9.096665094	24.55399132	0.291729884	8.892534527	6.090856388	0
7.85	1.95	22.08	1.08	0.026396235	9.699186201	21.25566957	0.291750478	8.930499051	6.114095014	0
7.87	2.16	25.1	1.27	-0.070588172	9.065766511	24.72878197	0.291750478	8.964289252	6.1349131	0
7.89	2.23	26.08	1.33	-0.095105967	8.885335231	25.73939451	0.291750478	8.997441235	6.155349334	0
7.91	2.31	26.3	1.34	-0.12478199	8.856056815	26.12758162	0.291750478	9.030482988	6.175710986	0
7.93	2.31	26.94	1.37	-0.122049538	8.769514896	27.16997413	0.291750478	9.063313673	6.195941154	0
7.95	2.38	27.75	1.42	-0.142038525	8.629404901	28.21979361	0.291750478	9.094766261	6.215324029	0
7.97	2.45	28.77	1.48	-0.158906611	8.467644561	29.73379517	0.291750478	9.12566543	6.234366849	0
7.99	2.59	29.64	1.54	-0.194400891	8.312313512	31.34540176	0.291750478	9.155289041	6.252621245	0
8.01	2.74	31.92	1.68	-0.216914582	7.972216464	34.42674125	0.291750478	9.183838904	6.270208444	0
8.03	2.95	34.86	1.87	-0.240495488	7.553425541	38.46023003	0.291750478	9.210461159	6.286588861	0
8.05	3.1	36.13	1.95	-0.260011336	7.389688498	40.60086993	0.291750478	9.236673416	6.302703597	0
8.07	3.39	39.57	2.18	-0.279968439	6.953891558	45.4262966	0.291750478	9.261107831	6.317689367	0
8.09	3.53	41.67	2.32	-0.283224447	6.710608136	49.26411777	0.291750478	9.284265632	6.331867099	0
8.11	3.82	44.89	2.54	-0.29460179	6.35649655	53.32191627	0.291750478	9.306675886	6.34554744	0
8.13	4.04	48.4	2.79	-0.291388685	5.989562171	56.95390814	0.291750478	9.327647066	6.358304154	0
8.15	4.32	52.88	3.11	-0.286297996	5.565156499	61.65981925	0.291750478	9.347187778	6.370134454	0
8.17	4.4	53.83	3.17	-0.287565968	5.49046664	63.13751132	0.291750478	9.366626759	6.381891756	0
8.19	4.32	52.34	3.05	-0.291930087	5.641301446	61.70122685	0.291750478	9.386396572	6.39386941	0
8.21	4.39	53.43	3.12	-0.291331931	5.552608654	62.70449901	0.291750478	9.406027534	6.405749827	0
8.23	4.39	53.4	3.11	-0.292268689	5.565156499	63.04977273	0.291750478	9.425708856	6.417661498	0
8.25	4.47	54.05	3.15	-0.295180321	5.515205016	64.17365707	0.291750478	9.445350056	6.429541051	0
8.27	4.47	54.54	3.18	-0.292395601	5.47815592	65.33741784	0.291750478	9.464983954	6.441410124	0
8.29	4.39	53.56	3.1	-0.293211492	5.577744755	64.83832658	0.291750478	9.484818822	6.453413656	0
8.31	4.54	54.54	3.16	-0.299926762	5.502816256	66.05066078	0.291750478	9.504549618	6.465343034	0
8.33	4.68	56.68	3.31	-0.296934734	5.321548056	69.5162337	0.291750478	9.524048191	6.477105616	0
8.35	4.61	56.14	3.26	-0.296148608	5.381041599	68.8475215	0.291750478	9.543644329	6.488934863	0
8.37	4.54	55.29	3.19	-0.297106134	5.465883852	67.44572721	0.291750478	9.563403463	6.500873603	0
8.38	4.61	56.99	3.3	-0.292558928	5.333374541	68.86703876	0.291750478	9.582981867	6.512683856	0
8.41	4.68	58.07	3.38	-0.290785198	5.239749698	69.77161621	0.291750478	9.601744051	6.523987934	0
8.42	4.75	59.33	3.46	-0.289018787	5.148315111	70.07490109	0.291750478	9.620301826	6.53515536	0
8.44	4.82	61.3	3.59	-0.28326048	5.004149963	70.1041877	0.291750478	9.63860195	6.546146281	0
8.46	4.82	62.99	3.71	-0.274098416	4.875634813	68.78116539	0.291750478	9.656621354	6.556948977	0
8.48	4.64	63.74	3.76	-0.258760061	4.823309396	68.05318162	0.291750478	9.674535854	6.567680459	0
8.5	4.53	60.52	3.51	-0.269293794	5.092235952	63.90379294	0.291750478	9.693550777	6.579112316	0
8.52	4.17	55.25	3.13	-0.271425529	5.540100962	58.34618269	0.291750478	9.713361288	6.591084744	0
8.54	3.74	49.22	2.7	-0.268088319	6.117726123	51.53896725	0.291750478	9.735033691	6.604251419	0
8.56	3.38	45.31	2.43	-0.249760668	6.529543538	46.71777399	0.291750478	9.758323342	6.618438411	0
8.58	3.02	39.6	2.05	-0.232594375	7.19421525	40.82343055	0.291750478	9.784097465	6.634177056	0
8.6	2.52	32.25	1.58	-0.16944648	8.212086217	32.71136727	0.291750478	9.814872035	6.652932901	0
8.62	2.23	28.23	1.33	-0.095105967	8.885335231	28.09525229	0.291750478	9.849439865	6.673849965	0
8.64	2.08	25.22	1.16	-0.039696958	9.419878097	24.4804734	0.291750478	9.888022072	6.696927233	0
8.66	2.01	24.74	1.13	-0.005753551	9.522294009	24.14501436	0.291750478	9.927464083	6.720430958	0
8.68	1.94	24.02	1.08	0.031895739	9.699186201	23.47494036	0.291774971	9.968210795	6.744543676	0
8.7	1.94	23.31	1.04	0.033122498	9.846699946	22.58537567	0.291801453	10.01025443	6.769245872	0
8.72	1.87	23.08	1.03	0.074661482	9.884464978	22.26564696	0.291862113	10.05261305	6.794064992	0
8.74	1.94	23.19	1.03	0.033444076	9.884464978	22.49447233	0.291889059	10.09518023	6.818981525	0
8.76	1.94	23.91	1.07	0.03219383	9.735546001	23.34895468	0.291914093	10.13654159	6.843337375	0
8.78	1.94	24.21	1.08	0.031895739	9.699186201	23.66135872	0.291938611	10.17776854	6.867631018	0
8.8	2.01	24.3	1.09	-0.005964691	9.663161519	23.78				

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
8.88	2.07	26.71	1.21	-0.03345547	9.254931667	27.86604395	0.322214047	10.33515288	6.960919775	0
8.9	2.21	28.37	1.3	-0.08929496	8.974509829	29.98258091	0.322214047	10.37035529	6.982030776	0
8.92	2.35	30.64	1.43	-0.130797562	8.601975663	32.86634259	0.322214047	10.40378202	7.002196591	0
8.94	2.55	33.5	1.6	-0.17587305	8.162920156	36.36082991	0.322214047	10.43448202	7.020801034	0
8.96	2.62	34.85	1.67	-0.187234392	7.99555176	37.92114297	0.322214047	10.46460782	7.03907449	0
8.98	2.76	37.73	1.84	-0.202618564	7.616639593	41.08902861	0.322214047	10.49256644	7.056060637	0
9	2.97	41.11	2.05	-0.223186417	7.19421525	44.10888478	0.322214047	10.51838529	7.071754812	0
9.02	3.11	43.65	2.2	-0.232155743	6.918195873	46.10770003	0.322214047	10.54339594	7.086952258	0
9.04	3.1	44.16	2.23	-0.227364173	6.865256233	46.27306275	0.322214047	10.56832645	7.102096897	0
9.06	3.04	43.35	2.17	-0.22324596	6.971862395	45.22835376	0.322214047	10.59357393	7.117433282	0
9.08	2.9	41.47	2.05	-0.209745695	7.19421525	42.82601231	0.322214047	10.62023652	7.133626445	0
9.1	2.76	39.25	1.91	-0.195192753	7.470699695	40.30763725	0.322214047	10.64775545	7.150327413	0
9.12	2.62	37.31	1.79	-0.174682366	7.724322721	37.98250314	0.322214047	10.67618796	7.167560252	0
9.14	2.55	35.8	1.7	-0.165527576	7.925959708	35.84364685	0.322214047	10.70617708	7.185707751	0
9.15	2.48	34.49	1.61	-0.154808367	8.138567116	34.35891434	0.322214047	10.73702911	7.204336942	0
9.18	2.34	33.26	1.54	-0.11825962	8.312313512	32.99556224	0.322214047	10.76860241	7.223357457	0
9.2	2.41	34.05	1.58	-0.136813502	8.212086217	33.88495651	0.322214047	10.79989139	7.242222446	0
9.21	2.48	35.22	1.64	-0.151976507	8.066405368	35.19356529	0.322214047	10.83058036	7.260748037	0
9.23	2.21	31.61	1.44	-0.080613506	8.574737571	30.40859185	0.322214047	10.86438408	7.281008558	0
9.25	2	27.54	1.21	-0.000611395	9.254931667	25.79914006	0.322214047	10.90311152	7.303810201	0
9.27	1.86	25.81	1.11	0.074860872	9.592093191	23.83481684	0.322273772	10.94548664	7.328381958	0
9.29	1.65	22.92	0.95	0.233150219	10.20048755	20.44963143	0.32249092	10.99442212	7.355419774	0
9.31	1.58	21.92	0.9	0.301746832	10.41181742	19.15389167	0.322791502	11.04811172	7.384183813	0
9.33	1.72	23.62	0.99	0.175246799	10.03928325	20.83291824	0.322952256	11.09510856	7.410516589	0
9.35	1.65	23.25	0.97	0.228342998	10.11905439	20.29275168	0.323167628	11.14316803	7.43719813	0
9.37	1.52	21.01	0.85	0.372113007	10.63522967	17.73732969	0.323569881	11.2022852	7.467177152	0
9.39	1.52	20.98	0.85	0.372113007	10.63522967	17.40029926	0.323980567	11.26163536	7.497185445	0
9.41	1.52	21.01	0.84	0.376542924	10.68148643	17.36937871	0.324397575	11.32270073	7.527531022	0
9.43	1.52	21.85	0.89	0.355388827	10.45548994	17.91799133	0.324779661	11.37812247	7.556631178	0
9.45	1.52	21.22	0.85	0.372113007	10.63522967	17.09113313	0.325199736	11.43818014	7.5867258	0
9.47	1.45	21.04	0.84	0.441382279	10.68148643	16.66269156	0.325711667	11.5015191	7.617889609	0
9.49	1.52	22.33	0.91	0.347578084	10.36862747	17.68535313	0.32609204	11.55553541	7.646545785	0
9.51	1.51	21.63	0.87	0.372323357	10.54432673	16.85732058	0.326520213	11.61356455	7.676131944	0
9.53	1.51	21.97	0.88	0.368092409	10.49965595	17.14667314	0.326936979	11.67076905	7.705549393	0
9.55	1.38	20.47	0.81	0.528298309	10.82363483	15.61579915	0.327594789	11.74179327	7.737672675	0
9.57	1.31	18.99	0.73	0.668573087	11.23009426	14.18304754	0.328512772	11.74179327	7.772879407	0
9.59	1.38	20.01	0.78	0.548617475	10.97114858	14.89048169	0.329231294	11.8297926	7.806032699	0
9.61	1.24	18.44	0.7	0.787854739	11.39411764	13.23438158	0.330394052	11.8297926	7.84375271	0
9.63	1.31	18.91	0.73	0.668573087	11.23009426	13.67061834	0.331350748	11.8297926	7.879902148	0
9.65	1.24	18.13	0.69	0.799272924	11.45035818	12.95321769	0.33255954	11.8297926	7.918248406	0
9.67	1.24	18.42	0.7	0.787854739	11.39411764	13.23016576	0.333727909	11.8297926	7.956102988	0
9.69	1.24	18.11	0.68	0.811026937	11.50741979	12.92674494	0.334960629	11.8297926	7.995230698	0
9.71	1.24	17.99	0.68	0.811026937	11.50741979	12.78267205	0.336209146	11.8297926	8.034408606	0
9.73	1.24	17.75	0.66	0.835603511	11.62410458	12.63075204	0.337512954	11.8297926	8.075053861	0
9.75	1.24	18.19	0.68	0.811026937	11.50741979	13.1410131	0.338731006	11.8297926	8.114441884	0
9.77	1.31	19.37	0.74	0.659538316	11.17691452	14.13834979	0.339652974	11.8297926	8.149626899	0
9.79	1.38	20.72	0.8	0.534902038	10.87219012	15.37110239	0.34034179	11.91383581	8.182501428	0
9.8	1.44	21.91	0.86	0.440413687	10.58951394	16.45345728	0.340872423	11.97681795	8.212782499	0
9.82	1.31	19.05	0.72	0.677858824	11.28400753	13.78917004	0.341848422	11.97681795	8.249041758	0
9.85	1.38	20.35	0.78	0.548617475	10.97114858	14.93996157	0.342578518	11.97681795	8.282822024	0
9.86	1.38	20.98	0.81	0.528298309	10.82363483	15.55442914	0.343254751	12.05824593	8.315532823	0
9.88	1.38	20.48	0.78	0.548617475	10.97114858	15.14808426	0.343976917	12.05824593	8.349378702	0
9.9	1.31	19.56	0.74	0.659538316	11.17691452	14.39251283	0.344892045	12.05824593	8.38492741	0
9.92	1.38	20.28	0.77	0.555742377	11.02158347	15.15104015	0.345625648	12.05824593	8.419276431	0
9.94	1.24	18.9	0.7	0.787854739	11.39411764	13.8158234	0.346767869	12.05824593	8.457095259	0
9.96	1.31	19.95	0.75	0.650744471	11.12444863	14.7920681	0.347650277	12.05824593	8.492456664	0
9.98	1.38	20.42	0.77	0.555742377	11.02158347	15.16558864	0.348386401	12.05824593	8.527010481	0
10	1.38	20.4	0.77	0.555742377	11.02158347	15.11037051	0.349126318	12.05824593	8.561599371	0
10.02	1.38	20.32	0.77	0.555742377	11.02158347	15.09659353	0.349867941	12.05824593	8.59622338	0
10.04	1.44	22.55	0.87	0.435351461	10.54432673	17.1858818	0.350379089	12.12334737	8.626787591	0
10.06	1.44	22.2	0.85	0.445595025	10.63522967	16.94957823	0.350910293	12.19338879	8.657919017	0
10.08	1.5	22.35	0.86	0.385578199	10.58951394	17.0804624	0.35136715	12.26164088	8.68867847	0
10.1	1.5	21.65	0.82	0.404386891	10.77567533	16.34217369	0.351868632	12.34912531	8.721032712	0
10.12	1.37	21.3	0.8	0.545404114	10.87219012	15.99636204	0.352560567	12.34912531	8.753913938	0
10.14	1.37	21.47	0.81	0.53867073	10.82363483	16.12082995	0.353239751	12.34912531	8.786553866	0
10.16	1.37	21.15	0.79	0.552307964	10.92135618	15.78387159	0.353951977	12.34912531	8.819945685	0
10.18	1.37	21.35	0.8	0.545404114	10.87219012	15.76195762	0.354657316	12.34912531	8.852982718	0
10.2	1.37	21.41	0.8	0.545404114	10.87219012	15.84937003	0.355359796	12.34912531	8.886070111	0
10.22	1.31	19.82	0.73	0.668573087	11.23009426	14.32308682	0.356313988	12.34912531	8.923208696	0
10.24	1.24	18.55	0.67	0.823131817	11.56532678	13.19384044	0.357591312	12.34912531	8.964153343	0
10.26	1.1	16.99	0.6	1.149825762	11.99663875	11.75070765	0.359597465	12.34912531	9.014337018	0
10.28	1.1	16.48	0.58	1.189474927	12.12914806	11.34730317	0.361749512	12.34912531	9.06877312	0
10.3	1.1	16.97	0.6	1.149825762	11.99663875	11.68016742	0.363773491	12.34912531	9.119288249	0
10.32	1.1	17.24	0.61	1.13097616	11.93203148	11.79624497	0.365747577	12.34912531	9.168412793	0
10.34	1.1	16.3	0.56	1.231956174	12.26630776	10.91983515	0.368073662	12.34912531	9.230117029	0
10.36	0.96	14.75	0.5	1.69431704	12.70926996	9.41375626	0.371789953	12.34912531	9.230117029	0
10.38	1.03	15.59	0.53	1.445005627	12.48151717	10.10141666	0.374747651	12.34912531	9.230117029	0
10.4	0.96	14.87	0.5	1.69431704	12.70926996	9.364063015	0.378493796	12.34912531	9.230117029	0
10.41	0.82	12.23	0.39	1	13.68041854	7.168265705	0.381385988	12.34912531	9.230117029	0
10.44	0.76	10.63	0.33	1	14.33337454	5.886143589	0.384912915	12.34912531	9.230117029	0
10.45	0.71	10.02	0.3	1	14.70590871	5.403392036	0.388760128	12.34912531	9.230117029	0
10.47	0.64	8.91	0.26	1	15.26523987	4.532707674	0.393352527	12.34912531	9.230117029	0
10.49	0.64	9.02	0.27	1	15.11772612	4.54892379	0.39793471	12.34912531	9.230117029	0
10.51	0.64	9.25	0.27	1	15.11772612	4.771154364	0.402309332	12.34912531	9.230117029	0
10.53	0.64	8.5	0.25	1	15.41853992	4.22329227	0.407257605	12.34912531	9.230117029	0
10.55	0.57	8.14	0.23	1	15.74444948	4.016251617	0.412468434	12.34912531	9.230117029	0
10.5										

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(lp20%) (mm)	Ced.-RER(lp40%) (mm)	Ced.-RER(lp55%) (mm)
10.63	0.41	5.25	0.13	1	17.97450983	2.195586376	0.442610105	12.34912531	9.230117029	0
10.65	0.41	5.36	0.14	1	17.68484768	2.208483778	0.452149681	12.34912531	9.230117029	0
10.67	0.41	6.08	0.16	1	17.16292016	2.656476782	0.460090274	12.34912531	9.230117029	0
10.69	0.55	7.68	0.21	1	16.10002635	3.728122101	0.465755861	12.34912531	9.230117029	0
10.71	0.55	7.68	0.21	1	16.10002635	3.726995099	0.47143121	12.34912531	9.230117029	0
10.73	0.48	7.15	0.19	1	16.49121759	3.325124203	0.477800296	12.34912531	9.230117029	0
10.75	0.34	4.77	0.12	1	18.28736879	1.796002488	0.489607629	12.34912531	9.230117029	0
10.77	0.14	1.29	0.02	1	25.29073004	0.244308452	0.576522346	12.34912531	9.230117029	0
10.79	0.34	4.51	0.11	1	18.62746583	1.636236599	0.589515577	12.34912531	9.230117029	0
10.81	0.27	4.06	0.09	1	19.41181742	1.393962609	0.604787149	12.34912531	9.230117029	0
10.83	0.29	3.46	0.08	1	19.87219012	1.064553225	0.624808694	12.34912531	9.230117029	0
10.85	0.21	2.66	0.06	1	20.99663875	0.698348205	0.655363651	12.34912531	9.230117029	0
10.87	0.07	0.92	0.02	1	25.29073004	0.128476909	0.821665909	12.34912531	9.230117029	0
10.89	0	0.05	0	0	inf	inf	0.821665909	12.34912531	9.230117029	0
10.91	0	0.01	0	0	inf	inf	0.821665909	12.34912531	9.230117029	0
10.93				0			0.821665909	12.34912531	9.230117029	0
10.95				0			0.821665909	12.34912531	9.230117029	0
10.97				0			0.821665909	12.34912531	9.230117029	0
10.99				0			0.821665909	12.34912531	9.230117029	0
11.01				0			0.821665909	12.34912531	9.230117029	0
11.03				0			0.821665909	12.34912531	9.230117029	0
11.05				0			0.821665909	12.34912531	9.230117029	0
11.07				0			0.821665909	12.34912531	9.230117029	0
11.09				0			0.821665909	12.34912531	9.230117029	0
11.11				0			0.821665909	12.34912531	9.230117029	0
11.13				0			0.821665909	12.34912531	9.230117029	0
11.15	0	0.01	0	0	inf	inf	0.821665909	12.34912531	9.230117029	0
11.17	0	0.1	0	0	inf	inf	0.821665909	12.34912531	9.230117029	0
11.19	0.07	1.16	0.02	1	25.29073004	0.204602006	0.928184904	12.34912531	9.230117029	0
11.21	0.14	1.24	0.02	1	25.29073004	0.232674716	1.02197249	12.34912531	9.230117029	0
11.23	0.14	1.69	0.03	1	23.70590871	0.375975712	1.080093266	12.34912531	9.230117029	0
11.25	0.14	1.69	0.03	1	23.70590871	0.377398067	1.138063886	12.34912531	9.230117029	0
11.27	0.14	1.74	0.03	1	23.70590871	0.398022207	1.193101016	12.34912531	9.230117029	0
11.29	0.07	1.2	0.02	1	25.29073004	0.219776444	1.292911531	12.34912531	9.230117029	0
11.31	0.14	1.4	0.02	1	25.29073004	0.28856723	1.36902551	12.34912531	9.230117029	0
11.33	0.14	1.59	0.03	1	23.70590871	0.35321804	1.431287335	12.34912531	9.230117029	0
11.35	0.21	3.01	0.06	1	20.99663875	0.97004471	1.453989382	12.34912531	9.230117029	0
11.37	0.43	5.34	0.13	1	17.97450983	2.262271807	1.463736221	12.34912531	9.230117029	0
11.39	0.57	8.45	0.23	1	15.74444948	4.342319165	1.468821062	12.34912531	9.230117029	0
11.41	0.78	11.69	0.34	1	14.21668975	6.864528644	1.472041676	12.34912531	9.230117029	0
11.43	0.93	14.14	0.43	2.055431062	13.2987839	8.985190354	1.477105913	12.34912531	9.230117029	0
11.45	0.93	14.28	0.44	2.00871672	13.20892591	9.138595392	1.481978569	12.34912531	9.230117029	0
11.47	0.93	14.22	0.43	2.055431062	13.2987839	9.157675581	1.486960888	12.34912531	9.230117029	0
11.49	0.93	14.35	0.44	2.00871672	13.20892591	9.255362297	1.491785092	12.34912531	9.230117029	0
11.51	0.93	13.67	0.41	2.155695992	13.48494529	8.792209634	1.49728175	12.34912531	9.230117029	0
11.53	0.93	13.65	0.41	2.155695992	13.48494529	8.724624753	1.502788709	12.34912531	9.230117029	0
11.55	0.93	14.62	0.45	1.964078571	13.12108738	9.444689904	1.507429868	12.34912531	9.230117029	0
11.57	1.03	16.02	0.5	1.531705965	12.70926996	10.72242979	1.510622294	12.34912531	9.230117029	0
11.58	1.14	17.77	0.57	1.137952799	12.1971263	12.21725156	1.512706464	12.34912531	9.230117029	0
11.6	1.14	17.47	0.56	1.158273385	12.26630776	12.02637878	1.514864603	12.34912531	9.230117029	0
11.62	1.14	17.79	0.57	1.137952799	12.1971263	12.3855719	1.516926145	12.34912531	9.230117029	0
11.64	1.07	17.09	0.54	1.336739169	12.40845616	11.65861316	1.519502254	12.34912531	9.230117029	0
11.66	1.07	16.53	0.52	1.388152214	12.55596991	11.30702758	1.52226431	12.34912531	9.230117029	0
11.68	1	15.68	0.48	1.666666667	12.86882886	10.8037679	1.525739641	12.34912531	9.230117029	0
11.7	1.07	16.04	0.49	1.473141125	12.78823528	11.39610799	1.528655906	12.34912531	9.230117029	0
11.72	1.07	15.61	0.48	1.503831565	12.86882886	11.0894559	1.531719587	12.34912531	9.230117029	0
11.74	1.14	17.59	0.55	1.179332901	12.33673579	13.30590976	1.533724626	12.34912531	9.230117029	0
11.76				0			1.533724626	12.34912531	9.230117029	0
11.78	1.35	20.74	0.68	0.666635553	11.50741979	16.89795551	1.534619604	12.34912531	9.230117029	0
11.8	1.42	21.44	0.7	0.564161434	11.39411764	17.83247775	1.535338327	12.34912531	9.230117029	0
11.82	1.49	22.87	0.76	0.44647964	11.07267767	19.34906132	1.535863284	12.34912531	9.230117029	0
11.84	1.57	24.72	0.84	0.332032053	10.68148643	21.26523725	1.536218998	12.34912531	9.288188754	0
11.86	1.64	26.49	0.91	0.251115785	10.36862747	23.00819173	1.536468016	12.34912531	9.33492487	0
11.88	1.78	28.37	0.99	0.135235145	10.03928325	24.68629633	1.536593181	12.34912531	9.376047052	0
11.9	1.78	29.58	1.04	0.128733456	9.846699946	25.71938333	1.536707703	12.34912531	9.414504577	0
11.92	1.85	30.89	1.1	0.081202911	9.627465834	26.60733105	1.536777628	12.34912531	9.449477096	0
11.94	1.85	31.06	1.11	0.080471354	9.592093191	26.61450953	1.536847001	12.34912531	9.483875607	0
11.96	1.85	30.66	1.09	0.081947892	9.663161519	26.21567404	1.536918822	12.34912531	9.518710848	0
11.98	1.78	29.95	1.05	0.127507423	9.809296308	25.80923952	1.53703249	12.34912531	9.555720282	0
12	1.71	28.4	0.98	0.183908517	10.07896532	24.4853344	1.537205543	12.34912531	9.595383291	0
12.02	1.71	27.68	0.95	0.189716154	10.20048755	23.92269343	1.537388529	12.34912531	9.636260918	0
12.04	1.56	25.42	0.85	0.33681008	10.63522967	21.66396283	1.537747727	12.34912531	9.685773708	0
12.06	1.56	25.41	0.85	0.33681008	10.63522967	21.7063974	1.538106751	12.34912531	9.734617373	0
12.08	1.64	26.6	0.9	0.25390596	10.41181742	22.81374961	1.538364621	12.34912531	9.777330521	0
12.1	1.71	27.45	0.93	0.193796071	10.28365346	23.5013361	1.538555949	12.34912531	9.817776867	0
12.12	1.78	29.13	1	0.133882794	10	24.8853	1.538680948	12.34912531	9.854766028	0
12.14	1.78	29.43	1.01	0.132557222	9.961107636	24.95486568	1.538804534	12.34912531	9.891057861	0
12.16	1.78	30.17	1.05	0.127507423	9.809296308	25.54213238	1.538920839	12.34912531	9.925743361	0
12.18	1.71	28.74	0.98	0.183908517	10.07896532	23.90125836	1.539100352	12.34912531	9.962595143	0
12.2	1.63	28.04	0.95	0.247979971	10.20048755	23.08961961	1.539351236	12.34912531	10.00042852	0
12.22	1.63	27.38	0.92	0.256066274	10.32590955	22.52524888	1.539617178	12.34912531	10.03960603	0
12.24	1.49	25.22	0.83	0.40882473	10.72829717	20.52559271	1.540083732	12.34912531	10.08601162	0
12.25	1.49	24.46	0.8	0.424155658	10.87219012	19.68551359	1.540589129	12.34912531	10.13556047	0
12.27	1.49	24.28	0.79	0.429524716	10.92135618	19.40331824	1.541109075	12.34912531	10.18615267	0
12.29	1.49	24.29	0.79	0.429524716	10.92135618	19.3127802	1.54163217	12.34912531	10.23656189	0
12.31	1.42	24.17	0.78	0.506298723	10.97114858	19.15068884	1.542254776	12.34912531	10.28828177	0
12.33	1.49	24.38	0.79	0.429524716	10.92135618	19.277395	1.542780213	12.34912531	10.33831227	0
12.35	1.49	24.82	0.81	0.418919168	10.82363483	19.31899757	1.543292266	12.34912531	10.38583068	0
12.37	1.49	25.84	0.85	0.399205325	10.63522967	20.3100981	1.543757041	12.34912531	10.42969238	0

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
12.39	1.56	26.61	0.88	0.325327919	10.49965595	21.10714337	1.544121963	12.34912531	10.47018968	0
12.41	1.49	26.08	0.85	0.399205325	10.63522967	20.68520265	1.544579467	12.34912531	10.51382204	0
12.43	1.42	24.57	0.79	0.499889878	10.92135618	19.23578464	1.54519641	12.34912531	10.56311103	0
12.45	1.42	24.29	0.78	0.506298723	10.97114858	19.00564981	1.545829628	12.34912531	10.61344792	0
12.47	1.42	23.99	0.76	0.519622374	11.07267767	18.82244477	1.546486774	12.34912531	10.6668351	0
12.49	1.42	23.41	0.74	0.533666222	11.17691452	18.33226343	1.5471806	12.34912531	10.72410218	0
12.51	1.35	22	0.68	0.666635553	11.50741979	17.22039341	1.5481045	12.34912531	10.72410218	0
12.53	1.35	21.78	0.67	0.676585337	11.56532678	17.23164298	1.549042834	12.34912531	10.72410218	0
12.55	1.42	23.01	0.72	0.548490283	11.28400753	18.69884172	1.549744769	12.34912531	10.7868783	0
12.57	1.49	25.02	0.8	0.424155658	10.87219012	20.84503267	1.550232349	12.34912531	10.83434991	0
12.59	1.56	26.76	0.87	0.32906732	10.54432673	22.76752115	1.550579172	12.34912531	10.87508372	0
12.61	1.63	28.01	0.92	0.256066274	10.32590955	24.10604237	1.550834409	12.34912531	10.9131615	0
12.63	1.7	29.17	0.96	0.19479778	10.1595589	25.17284707	1.551020611	12.34912531	10.94852319	0
12.65	1.77	30.98	1.04	0.134991453	9.846699946	26.51233807	1.551143279	12.34912531	10.98124613	0
12.67	1.85	32.28	1.09	0.081947892	9.663161519	27.32848372	1.551215617	12.34912531	11.01272794	0
12.69	1.77	31.5	1.05	0.13370582	9.809296308	26.39740492	1.55133798	12.34912531	11.04508494	0
12.71	1.77	31.41	1.05	0.13370582	9.809296308	25.85946311	1.551463044	12.34912531	11.07740834	0
12.72	1.77	31.56	1.05	0.13370582	9.809296308	25.46620843	1.551590196	12.34912531	11.10959736	0
12.74	1.63	29.44	0.96	0.245396846	10.1595589	23.20321339	1.551846664	12.34912531	11.14554837	0
12.76	1.63	29.47	0.96	0.245396846	10.1595589	23.24507077	1.552103008	12.34912531	11.18145676	0
12.78	1.63	28.78	0.93	0.253312873	10.28365346	22.68831045	1.552374471	12.34912531	11.21850958	0
12.8	1.49	26.45	0.84	0.403957769	10.68148643	20.6816307	1.552864498	12.34912531	11.2602725	0
12.82	1.42	25.85	0.82	0.481601224	10.77567533	19.04762249	1.553480772	12.34912531	11.30467159	0
12.84	1.49	27.04	0.86	0.394563402	10.58951394	20.15925769	1.553958415	12.34912531	11.34509572	0
12.86	1.49	27.23	0.87	0.390028191	10.54432673	20.10655486	1.554432387	12.34912531	11.38490941	0
12.88	1.42	25.73	0.81	0.487546918	10.82363483	18.41619819	1.555080042	12.34912531	11.43020334	0
12.9	1.35	25.34	0.79	0.573812881	10.92135618	17.93395898	1.55586375	12.34912531	11.47763477	0
12.92	1.35	25.39	0.79	0.573812881	10.92135618	18.01936399	1.556644698	12.34912531	11.52511274	0
12.94	1.21	22.36	0.67	0.865359575	11.56532678	15.38246288	1.558026126	12.34912531	11.52511274	0
12.96	1.21	21.04	0.62	0.935146637	11.86847479	14.29723948	1.559634104	12.34912531	11.52511274	0
12.98	1.06	19.03	0.55	1.332157088	12.33673579	12.51191744	1.562254782	12.34912531	11.52511274	0
13	1.06	18.85	0.54	1.356826664	12.40845616	12.32023204	1.564968825	12.34912531	11.52511274	0
13.02	1.14	19.57	0.57	1.137952799	12.1971263	12.9976237	1.567129054	12.34912531	11.52511274	0
13.04	1.06	19.32	0.56	1.308368569	12.26630776	12.74910963	1.569664491	12.34912531	11.52511274	0
13.06	0.99	17.75	0.5	1.623220765	12.70926996	11.47354764	1.573163735	12.34912531	11.52511274	0
13.08	1.06	18.04	0.51	1.436639997	12.63186842	11.7211107	1.576199023	12.34912531	11.52511274	0
13.1	0.99	17.19	0.48	1.690854963	12.86882886	10.85691616	1.580060438	12.34912531	11.52511274	0
13.12	0.99	16.74	0.46	1.764370396	13.03517951	10.60868085	1.584189013	12.34912531	11.52511274	0
13.14	0.99	17.22	0.48	1.690854963	12.86882886	11.0531658	1.587991046	12.34912531	11.52511274	0
13.16	1.06	19.05	0.54	1.356826664	12.40845616	12.53303706	1.590684988	12.34912531	11.52511274	0
13.18	1.13	20.74	0.6	1.098018901	11.99663875	13.9212595	1.592655004	12.34912531	11.52511274	0
13.2	1.21	22.3	0.66	0.878471083	11.62410458	15.21665034	1.594090083	12.34912531	11.52511274	0
13.22	1.13	20.65	0.6	1.098018901	11.99663875	13.75582585	1.596083561	12.34912531	11.52511274	0
13.23	1.21	21.53	0.63	0.92030304	11.80593505	14.73168188	1.597645586	12.34912531	11.52511274	0
13.25	1.13	19.97	0.57	1.155809369	12.1971263	13.297673	1.599821495	12.34912531	11.52511274	0
13.27	1.13	20.49	0.59	1.11662939	12.0623319	13.98458511	1.601822784	12.34912531	11.52511274	0
13.29	1.21	21.52	0.63	0.92030304	11.80593505	15.06094941	1.603356159	12.34912531	11.52511274	0
13.31	1.21	21.57	0.63	0.92030304	11.80593505	15.08656829	1.604888883	12.34912531	11.52511274	0
13.33	1.13	20.95	0.6	1.098018901	11.99663875	14.58695298	1.606782476	12.34912531	11.52511274	0
13.35	1.21	21.45	0.62	0.935146637	11.86847479	15.01955485	1.60835073	12.34912531	11.52511274	0
13.37	1.28	22.75	0.66	0.780032547	11.62410458	16.75382193	1.609524842	12.34912531	11.52511274	0
13.39	1.35	24.66	0.74	0.612584021	11.17691452	18.78973454	1.610348044	12.34912531	11.58265388	0
13.41	1.49	26.41	0.8	0.424155658	10.87219012	20.5984514	1.610868642	12.34912531	11.62941538	0
13.43	1.42	26.17	0.79	0.499889878	10.92135618	20.39530502	1.611489089	12.34912531	11.67738671	0
13.45	1.55	27.85	0.85	0.345550215	10.63522967	22.11734268	1.611885082	12.34912531	11.7200483	0
13.47	1.55	26.49	0.8	0.367147104	10.87219012	20.86808171	1.612331575	12.34912531	11.76706139	0
13.49	1.7	29.81	0.92	0.203267249	10.32590955	24.13722662	1.612545544	12.34912531	11.80465064	0
13.51	1.84	33.71	1.08	0.088504251	9.699186201	27.60378694	1.612627117	12.34912531	11.8360203	0
13.53	1.84	34.41	1.1	0.086895083	9.627465834	27.9884873	1.612706199	12.34912531	11.86687605	0
13.55	1.92	34.41	1.12	0.041445296	9.557037796	28.31377574	1.612743532	12.34912531	11.89734503	0
13.57	1.62	28.77	0.88	0.275784161	10.49965595	22.31292386	1.613059153	12.34912531	11.93819324	0
13.59	1.48	26.49	0.79	0.439371946	10.92135618	20.6930254	1.613618862	12.34912531	11.98646878	0
13.6	1.42	25.93	0.77	0.512874031	11.02158347	19.62282722	1.614287959	12.34912531	12.03746256	0
13.62	1.35	24.03	0.7	0.647588823	11.39411764	18.00019917	1.615210044	12.34912531	12.1169735	0
13.64	1.35	23.87	0.69	0.656974168	11.45035818	18.11996282	1.616140469	12.34912531	12.23814393	0
13.66	1.28	23.12	0.66	0.780032547	11.62410458	17.38768435	1.617293133	12.34912531	12.23814393	0
13.68	1.27	23.26	0.67	0.781913585	11.56532678	17.51626567	1.618441523	12.34912531	12.23814393	0
13.7	1.42	25.25	0.74	0.533666222	11.17691452	19.59491946	1.619142986	12.34912531	12.29555678	0
13.72	1.49	28.03	0.84	0.403957769	10.68148643	22.50525101	1.619605903	12.34912531	12.33952018	0
13.74	1.63	30.27	0.92	0.256066274	10.32590955	24.67293481	1.619873895	12.34912531	12.37758865	0
13.76	1.63	31.63	0.97	0.242866982	10.11905439	25.6516005	1.620118678	12.34912531	12.41349852	0
13.78	1.63	31.76	0.98	0.240388747	10.07896532	25.59240795	1.620361825	12.34912531	12.44901997	0
13.8	1.7	32.73	1.01	0.185154326	9.961107636	26.47094627	1.620543097	12.34912531	12.48365754	0
13.82	1.62	30.21	0.92	0.263793545	10.32590955	23.62815928	1.620832813	12.34912531	12.5216776	0
13.84	1.55	28.07	0.83	0.353876726	10.72829717	20.97478651	1.621271135	12.34912531	12.56654382	0
13.86	1.47	27.49	0.81	0.438192456	10.82363483	19.60311799	1.621852542	12.34912531	12.61313612	0
13.88	1.47	27.76	0.82	0.432848646	10.77567533	19.82681158	1.622421077	12.34912531	12.65872882	0
13.9	1.4	26.2	0.76	0.541183454	11.07267767	18.37366914	1.623188951	12.34912531	12.71208283	0
13.92	1.4	25.69	0.74	0.555810034	11.17691452	17.8813867	1.624000284	12.34912531	12.77015384	0
13.94	1.4	26.13	0.76	0.541183454	11.07267767	18.15299068	1.62477934	12.34912531	12.82362222	0
13.96	1.33	24.74	0.71	0.662753007	11.33867486	16.93839283	1.625802988	12.34912531	12.89744977	0
13.98	1.25	22.92	0.64	0.847217758	11.74438023	15.57222608	1.627227982	12.34912531	12.89744977	0
14	1.18	20.75	0.57	1.068059405	12.1971263	14.0935355	1.62921518	12.34912531	12.89744977	0
14.02	1.18	20.39	0.55	1.106897928	12.33673579	14.28853076	1.631249169	12.34912531	12.89744977	0
14.04	1.25	21.98	0.6	0.903698942	11.99663875	15.66293151	1.632765784	12.34912531	12.89744977	0</

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
14.13	1.55	28.68	0.84	0.349663908	10.68148643	21.38583123	1.635475898	12.34912531	13.15049849	0
14.15	1.55	28.34	0.82	0.358192296	10.77567533	21.55641522	1.635915804	12.34912531	13.19696729	0
14.17	1.69	32.55	0.98	0.197776904	10.07896532	25.99334919	1.636117481	12.34912531	13.23302357	0
14.19	1.69	31.71	0.95	0.20402249	10.20048755	25.47388157	1.636330026	12.34912531	13.27027769	0
14.21	1.55	28.48	0.83	0.353876726	10.72829717	22.68155131	1.63674457	12.34912531	13.31478657	0
14.23	1.62	28.98	0.84	0.28891674	10.68148643	23.62146634	1.637069942	12.34912531	13.35856741	0
14.25	1.69	30.73	0.91	0.212990512	10.36862747	25.39670875	1.637293309	12.34912531	13.39791283	0
14.27	1.77	32.58	0.97	0.144733105	10.11905439	27.20254797	1.637435188	12.34912531	13.43358699	0
14.29	1.91	36.79	1.13	0.046417029	9.522294009	31.00601764	1.637475159	12.34912531	13.46375442	0
14.31	2.21	44.42	1.43	-0.081177236	8.601975663	37.85213371	1.637475159	12.41181232	13.48861221	0
14.33	2.28	45.73	1.48	-0.102774793	8.467644561	39.08012721	1.637475159	12.46880855	13.51295574	0
14.35	2.13	42.33	1.34	-0.054843093	8.856056815	35.10558633	1.637475159	12.46880855	13.53964871	0
14.37	1.91	38.41	1.18	0.044450206	9.353061934	31.24352927	1.637513327	12.46880855	13.56882683	0
14.39	1.77	35.04	1.06	0.132444445	9.772247213	27.8706445	1.637640969	12.46880855	13.6015082	0
14.41	1.62	31.57	0.93	0.260957055	10.28365346	24.37935443	1.637928821	12.46880855	13.63991693	0
14.43	1.55	30.3	0.88	0.333770094	10.49965595	23.19027511	1.638316329	12.46880855	13.68101681	0
14.45	1.55	29.78	0.86	0.341532189	10.58951394	22.60511772	1.638723597	12.46880855	13.72343432	0
14.47	1.55	29.01	0.83	0.353876726	10.72829717	21.69712276	1.639163735	12.46880855	13.76829413	0
14.48	1.55	30.04	0.86	0.341532189	10.58951394	22.53999221	1.639573119	12.46880855	13.81075248	0
14.5	1.55	29.82	0.86	0.341532189	10.58951394	22.21436466	1.639988965	12.46880855	13.8532318	0
14.52	1.47	28.92	0.82	0.432848646	10.77567533	21.50318339	1.640534032	12.46880855	13.89916813	0
14.54	1.4	27.4	0.77	0.534155098	11.02158347	20.13279588	1.641253357	12.46880855	13.95315715	0
14.56	1.33	25.9	0.71	0.662753007	11.33867486	18.76664076	1.64221189	12.46880855	14.03450139	0
14.58	1.25	24	0.65	0.834183639	11.68377979	16.96005791	1.643548448	12.46880855	14.03450139	0
14.6	1.18	22.6	0.6	1.014656434	11.99663875	15.38376973	1.645342723	12.46880855	14.03450139	0
14.62	1.25	23.28	0.62	0.874547364	11.86847479	15.84749965	1.646845637	12.46880855	14.03450139	0
14.64	1.25	24.39	0.66	0.821544493	11.62410458	16.51982871	1.648201597	12.46880855	14.03450139	0
14.66	1.25	25.15	0.68	0.79738142	11.50741979	17.08587168	1.649475475	12.46880855	14.03450139	0
14.68	1.25	24.08	0.65	0.834183639	11.68377979	16.0528124	1.650895366	12.46880855	14.03450139	0
14.7	1.32	26.23	0.72	0.665657421	11.28400753	18.17853613	1.651897081	12.46880855	14.0662067	0
14.72	1.32	25.32	0.69	0.694599048	11.45035818	17.68656676	1.652972603	12.46880855	14.0662067	0
14.74	1.25	23.44	0.62	0.874547364	11.86847479	16.34039741	1.65444003	12.46880855	14.0662067	0
14.76	1.18	22.28	0.58	1.049644587	12.12914806	15.40098575	1.656310868	12.46880855	14.0662067	0
14.78	1.18	21.3	0.55	1.106897928	12.33673579	14.76411193	1.658371104	12.46880855	14.0662067	0
14.8	1.32	24.69	0.66	0.726171732	11.62410458	18.07559886	1.659476375	12.46880855	14.0662067	0
14.82	1.4	26.23	0.71	0.579294965	11.33867486	19.34060448	1.66030138	12.46880855	14.19277905	0
14.84	1.47	28.91	0.8	0.443669862	10.87219012	21.63217923	1.660866915	12.46880855	14.24164542	0
14.87	1.47	29.16	0.81	0.438192456	10.82363483	21.70972203	1.661424159	12.46880855	14.28928219	0
14.87	1.47	28.1	0.77	0.460955701	11.02158347	20.74030556	1.662038417	12.46880855	14.3427033	0
14.89	1.47	28.11	0.77	0.460955701	11.02158347	20.66425664	1.662655649	12.46880855	14.39616552	0
14.91	1.4	27.38	0.75	0.548399233	11.12444863	19.98318081	1.663415877	12.46880855	14.45599342	0
14.93	1.4	27.5	0.75	0.548399233	11.12444863	20.19843889	1.664168816	12.46880855	14.51588153	0
14.95	1.4	27.18	0.74	0.555810034	11.17691452	20.10313377	1.664936433	12.46880855	14.57925586	0
14.97	1.32	26.07	0.7	0.684676204	11.39411764	19.17117263	1.665929135	12.46880855	14.57925586	0
14.99	1.32	25.04	0.66	0.726171732	11.62410458	18.38003416	1.667028584	12.46880855	14.57925586	0
15.01	1.4	26.27	0.7	0.587570607	11.39411764	19.44201081	1.667870561	12.46880855	14.57925586	0
15.03	1.32	26.21	0.7	0.684676204	11.39411764	19.36737934	1.668856529	12.46880855	14.57925586	0
15.05	1.32	25.54	0.68	0.70481374	11.50741979	18.87516038	1.669899234	12.46880855	14.57925586	0
15.07	1.4	27.01	0.73	0.56342387	11.23009426	20.33186105	1.670673933	12.46880855	14.64636726	0
15.09	1.4	26.96	0.72	0.571249202	11.28400753	20.46918966	1.671454959	12.46880855	14.72122658	0
15.11	1.32	25.78	0.68	0.70481374	11.50741979	19.3018555	1.672478119	12.46880855	14.72122658	0
15.13	1.4	26.68	0.71	0.579294965	11.33867486	20.04881812	1.673288602	12.46880855	14.72065428	0
15.15	1.4	27.61	0.74	0.555810034	11.17691452	20.92776652	1.674034471	12.46880855	14.88369332	0
15.17	1.4	27.29	0.73	0.56342387	11.23009426	20.68223999	1.674800405	12.46880855	14.95184508	0
15.19	1.32	25.94	0.68	0.70481374	11.50741979	19.1725121	1.675835099	12.46880855	14.95184508	0
15.2	1.32	26.51	0.7	0.684676204	11.39411764	19.30858569	1.676834352	12.46880855	14.95184508	0
15.22	1.25	24.7	0.64	0.847217758	11.74438023	17.36383129	1.678210778	12.46880855	14.95184508	0
15.24	1.18	22.79	0.58	1.049644587	12.12914806	15.39843863	1.680135776	12.46880855	14.95184508	0
15.26	1.18	22.6	0.57	1.068059405	12.1971263	15.11870396	1.682133048	12.46880855	14.95184508	0
15.28	1.1	21.18	0.53	1.301689542	12.48151717	13.56541212	1.684848809	12.46880855	14.95184508	0
15.3	1.03	20.56	0.51	1.501672514	12.63186842	12.871116	1.688154536	12.46880855	14.95184508	0
15.32	1.07	20.87	0.52	1.388152214	12.55596991	12.98689079	1.691186114	12.46880855	14.95184508	0
15.34	1.07	20.91	0.52	1.388152214	12.55596991	12.97496262	1.694223688	12.46880855	14.95184508	0
15.36	1.07	21.19	0.52	1.388152214	12.55596991	13.28296056	1.697193965	12.46880855	14.95184508	0
15.38	1.15	22.41	0.56	1.140256687	12.26630776	14.16856676	1.699483722	12.46880855	14.95184508	0
15.4	1.23	23.94	0.61	0.91943017	11.93203148	15.29030175	1.701196511	12.46880855	14.95184508	0
15.42	1.23	24.53	0.63	0.89024191	11.80593505	15.65703107	1.702817672	12.46880855	14.95184508	0
15.44	1.15	23.2	0.58	1.100937491	12.12914806	14.47589562	1.704988381	12.46880855	14.95184508	0
15.46	1.15	23.89	0.61	1.046793024	11.93203148	13.53163963	1.707198526	12.46880855	14.95184508	0
15.48	1.07	20.79	0.51	1.415370885	12.63186842	12.60458358	1.710410025	12.46880855	14.95184508	0
15.5	1.03	20.4	0.5	1.531705965	12.70926996	12.11625542	1.714029103	12.46880855	14.95184508	0
15.52	0.96	19.47	0.47	1.802464936	12.95111928	11.33637373	1.718585996	12.46880855	14.95184508	0
15.54	0.88	18.4	0.43	2.203897889	13.2987839	10.46374915	1.724628326	12.46880855	14.95184508	0
15.56	0.81	16.87	0.39	1	13.68041854	9.168069287	1.727760719	12.46880855	14.95184508	0
15.58	0.81	16.69	0.38	1	13.78194763	8.984038202	1.730960394	12.46880855	14.95184508	0
15.6	0.74	15.35	0.35	1	14.1033876	7.790570277	1.734653834	12.46880855	14.95184508	0
15.61	0.66	13.65	0.3	1	14.70590871	6.566041179	1.739040647	12.46880855	14.95184508	0
15.63	0.66	12.99	0.28	1	14.97557772	6.177340105	1.743761197	12.46880855	14.95184508	0
15.65	0.29	4.87	0.08	1	19.87219012	1.477099891	1.763298129	12.46880855	14.95184508	0
15.67	0.66	13.76	0.3	1	14.70590871	6.597658883	1.767676651	12.46880855	14.95184508	0
15.69	0.74	15.48	0.35	1	14.1033876	7.759542824	1.771402902	12.46880855	14.95184508	0
15.71	0.69	13.95	0.3	1	14.70590871	6.759276819	1.775685017	12.46880855	14.95184508	0
15.72	0.77	15.3	0.34	1	14.21668975	7.759753597	1.77941864	12.46880855	14.95184508	0
15.74	0.92	18.18	0.42	2.134105665	13.39075639	9.902062625	1.785668759	12.46880855	14.95184508	0
15.76	0.92	18.49	0.43	2.084475301	13.2987839	9.963581886	1.791742109	12.46880855	14.95184508	0
15.78	0.92	18.89	0.44	2.037100862	13.20892591	10.32237933	1.797			

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
15.86	0.84	16.21	0.36	1	13.99327749	8.264429687	1.815057718	12.46880855	14.95184508	0
15.88	0.84	17.27	0.39	1	13.68041854	9.069296665	1.818277372	12.46880855	14.95184508	0
15.9	1	20.49	0.49	1.632653061	12.78823528	11.31797187	1.822493603	12.46880855	14.95184508	0
15.92	1.15	25.02	0.62	1.029909266	11.86847479	14.60273402	1.824557127	12.46880855	14.95184508	0
15.94	1.07	22.37	0.54	1.336739169	12.40845616	12.6548881	1.827650615	12.46880855	14.95184508	0
15.95	0.92	18.64	0.43	2.084475301	13.2987839	9.88392217	1.833833229	12.46880855	14.95184508	0
15.97	0.92	18.19	0.42	2.134105665	13.39075639	9.603716573	1.840353954	12.46880855	14.95184508	0
15.99	1.07	21.63	0.52	1.388152214	12.55596991	12.26454585	1.843678399	12.46880855	14.95184508	0
16.01	1.15	23.99	0.59	1.082277533	12.0623319	14.27769977	1.845907128	12.46880855	14.95184508	0
16.03	1.07	21.36	0.51	1.415370885	12.63186842	12.26352313	1.849303735	12.46880855	14.95184508	0
16.05	0.92	19.2	0.44	2.037100862	13.20892591	10.74017766	1.854891065	12.46880855	14.95184508	0
16.07	0.84	15.66	0.34	1	14.21668975	8.292452962	1.85844707	12.46880855	14.95184508	0
16.09	0.77	14.56	0.31	1	14.57774476	7.680722157	1.862290198	12.46880855	14.95184508	0
16.11	0.77	14.64	0.31	1	14.57774476	7.862215079	1.866048426	12.46880855	14.95184508	0
16.13	0.77	14.91	0.32	1	14.4536502	8.045768918	1.869724644	12.46880855	14.95184508	0
16.15	0.84	16.45	0.36	1	13.99327749	9.23780207	1.872929735	12.46880855	14.95184508	0
16.17	0.92	17.86	0.4	2.240810948	13.58146008	10.38655741	1.879323881	12.46880855	14.95184508	0
16.19	1.23	24.61	0.6	0.934754006	11.99663875	15.99643807	1.881057534	12.46880855	14.95184508	0
16.21	1.53	32.78	0.86	0.358977667	10.58951394	23.05146573	1.881520017	12.46880855	14.98803413	0
16.23	1.84	39.59	1.08	0.088504251	9.699186201	28.42249524	1.881612593	12.46880855	15.01659563	0
16.24	1.84	40.04	1.1	0.086895083	9.627465834	28.47852531	1.881703398	12.46880855	15.04448679	0
16.26	1.68	37.58	1.01	0.198690407	9.961107636	26.04431202	1.88193068	12.46880855	15.07390832	0
16.28	1.45	32.03	0.83	0.446700137	10.72829717	21.18473929	1.882559462	12.46880855	15.11079616	0
16.3	1.3	28.57	0.72	0.690153726	11.28400753	17.92284052	1.883708894	12.46880855	15.1542105	0
16.32	1.22	26.85	0.66	0.864064925	11.62410458	16.27246776	1.885295517	12.46880855	15.20599322	0
16.34	1.15	24.82	0.6	1.064239574	11.99663875	14.34714018	1.887514027	12.46880855	15.2791242	0
16.36	1.22	27.16	0.67	0.851168433	11.56532678	15.7730313	1.88912915	12.46880855	15.32686085	0
16.38	1.07	23.89	0.57	1.266384476	12.1971263	13.50697569	1.891938696	12.46880855	15.32686085	0
16.4	0.92	18.33	0.41	2.186157023	13.48494529	9.509718268	1.898833456	12.46880855	15.32686085	0
16.42	0.61	12.86	0.26	1	15.26523987	5.707978492	1.904093111	12.46880855	15.32686085	0
16.44	0.54	9.96	0.19	1	16.49121759	4.118516681	1.911388942	12.46880855	15.32686085	0
16.46	0.54	9.45	0.18	1	16.70254745	3.80851487	1.919285983	12.46880855	15.32686085	0
16.48	0.46	8.49	0.15	1	17.41517867	3.29651917	1.928418647	12.46880855	15.32686085	0
16.5	0.46	8.93	0.16	1	17.16292016	3.553067731	1.936899768	12.46880855	15.32686085	0
16.52	0.46	9	0.17	1	16.92595971	3.560883403	1.9453707	12.46880855	15.32686085	0
16.54	0.46	8.74	0.16	1	17.16292016	3.435844986	1.954157476	12.46880855	15.32686085	0
16.56	0.46	8.3	0.15	1	17.41517867	3.192724705	1.963622119	12.46880855	15.32686085	0
16.58	0.46	8.26	0.15	1	17.41517867	3.141698232	1.973250033	12.46880855	15.32686085	0
16.6	0.46	7.81	0.14	1	17.68484768	2.901729807	1.98368381	12.46880855	15.32686085	0
16.62	0.31	5.8	0.1	1	19	1.84984	2.000064686	12.46880855	15.32686085	0
16.64	0.46	8.44	0.15	1	17.41517867	3.301221268	2.0092528	12.46880855	15.32686085	0
16.66	0.46	8.99	0.17	1	16.92595971	3.623847973	2.017630635	12.46880855	15.32686085	0
16.68	0.54	9.4	0.17	1	16.92595971	3.946456765	2.025331214	12.46880855	15.32686085	0
16.7	0.46	9.16	0.17	1	16.92595971	3.775843092	2.033387163	12.46880855	15.32686085	0
16.72	0.46	9.09	0.17	1	16.92595971	3.758409353	2.041488463	12.46880855	15.32686085	0
16.74	0.46	8.63	0.16	1	17.16292016	3.506041329	2.050181458	12.46880855	15.32686085	0
16.76	0.46	8.01	0.14	1	17.68484768	3.160635977	2.059833313	12.46880855	15.32686085	0
16.77	0.54	9.31	0.17	1	16.92595971	3.919713749	2.067623167	12.46880855	15.32686085	0
16.8	0.54	10.72	0.2	1	16.29073004	4.817494687	2.073967545	12.46880855	15.32686085	0
16.81	0.61	11.52	0.22	1	15.91819587	5.334187437	2.079703	12.46880855	15.32686085	0
16.83	0.61	12.23	0.24	1	15.57809882	5.739283169	2.085038858	12.46880855	15.32686085	0
16.85	0.61	11.66	0.23	1	15.74444948	5.358780824	2.090758816	12.46880855	15.32686085	0
16.87	0.61	11.59	0.22	1	15.91819587	5.364113645	2.096478307	12.46880855	15.32686085	0
16.89	0.61	11.82	0.23	1	15.74444948	5.527246433	2.102034781	12.46880855	15.32686085	0
16.91	0.61	12.58	0.25	1	15.41853992	6.06179897	2.107105883	12.46880855	15.32686085	0
16.93	0.61	12.36	0.24	1	15.57809882	5.916717715	2.112306401	12.46880855	15.32686085	0
16.95	0.61	11.87	0.23	1	15.74444948	5.616674906	2.117790073	12.46880855	15.32686085	0
16.97	0.61	12	0.23	1	15.74444948	5.758847285	2.123143227	12.46880855	15.32686085	0
16.99	0.61	11.96	0.23	1	15.74444948	5.744047502	2.128515745	12.46880855	15.32686085	0
17.01	0.61	11.99	0.23	1	15.74444948	5.774749179	2.133864896	12.46880855	15.32686085	0
17.03	0.69	12.84	0.25	1	15.41853992	6.40331963	2.138693329	12.46880855	15.32686085	0
17.05	0.69	12.79	0.25	1	15.41853992	6.355984712	2.143562755	12.46880855	15.32686085	0
17.07	0.69	13.21	0.26	1	15.26523987	6.689686067	2.148193765	12.55380137	15.32686085	0
17.09	0.69	12.54	0.24	1	15.57809882	6.276727578	2.153134237	12.63915292	15.32686085	0
17.1	0.61	12.14	0.23	1	15.74444948	6.012175477	2.158297094	12.71425865	15.32686085	0
17.13	0.69	12.52	0.24	1	15.57809882	6.264888223	2.16325648	12.7762415	15.32686085	0
17.15	0.69	13.25	0.26	1	15.26523987	6.868136722	2.167784928	12.82859821	15.32686085	0
17.17	0.77	14.07	0.28	1	14.97557772	7.546642879	2.171910206	12.87593145	15.32686085	0
17.19	0.76	14.66	0.29	1	14.83841802	8.098215018	2.175758214	12.92050197	15.32686085	0
17.21	0.8	15.43	0.31	1	14.57774476	8.724051349	2.179333847	12.96091891	15.38057475	0
17.23	0.88	16.29	0.34	2.787282624	14.21668975	9.336953158	2.188655484	12.99852045	15.42214306	0
17.24	0.88	16.71	0.35	2.707645977	14.1033876	9.734299156	2.197350059	13.03445578	15.46038727	0
17.26	0.96	17.52	0.37	2.289617622	13.88618448	10.50573173	2.204168961	13.06867992	15.49497276	0
17.28	0.96	17.66	0.37	2.289617622	13.88618448	10.70236011	2.210869429	13.10099811	15.52761715	0
17.3	0.96	17.66	0.37	2.289617622	13.88618448	10.64334382	2.217613935	13.13224631	15.55916706	0
17.32	0.96	17.63	0.37	2.289617622	13.88618448	10.63265146	2.224371683	13.16251234	15.58971395	0
17.34	1.04	19.46	0.41	1.84071053	13.48494529	12.2257211	2.229101691	13.1912462	15.61695494	0
17.36	0.96	18.36	0.39	2.172201334	13.68041854	11.27567457	2.235159603	13.21924555	15.64429524	0
17.38	0.96	18.95	0.4	2.1178963	13.58146008	11.41603208	2.240999385	13.24646606	15.67051481	0
17.4	1.04	19.36	0.41	1.84071053	13.48494529	12.039494	2.245816929	13.27352137	15.69623439	0
17.42	1.04	19.79	0.42	1.796884089	13.39075639	12.46491949	2.250363587	13.30041879	15.72149115	0
17.44	1.04	19.44	0.41	1.84071053	13.48494529	12.15290239	2.255145565	13.32749105	15.74722959	0
17.46	1.04	19.47	0.41	1.84071053	13.48494529	12.17542225	2.259923536	13.35453287	15.77294035	0
17.48	0.96	18.51	0.39	2.172201334	13.68041854	11.3357316	2.265985762	13.38179327	15.79957681	0
17.5	1.04	19.38	0.41	1.84071053	13.48494529	12.08089279	2.27081087	13.40876176	15.82522085	0
17.51	1.04	19.35	0.41	1.84071053	13.48494529	12.01131047	2.275668529	13.43569986	15.85083725	0
17.53	1.04	20.35	0.43	1.755096087	13.2987839	12.89476684	2.279987273	13.46160465	15.87489179	0
17.55	1.04	20.54	0.44	1.71520754	13.20892591	13.02294423	2.284170801	13.48728774	15.89848378	0
17.57	0.88	16.92	0.34	2.787282624	14.2166					

Prof. (m)	FS_coesivi	Cu (kPa)	OCR	ru	A	Med. (MPa)	Ced.-Rob. (mm)	Ced.-RER(Ip20%) (mm)	Ced.-RER(Ip40%) (mm)	Ced.-RER(Ip55%) (mm)
17.59	1.12	22	0.48	1.393916791	12.86882886	14.26895744	2.296105826	13.54120293	15.9514541	0
17.61	1.12	21.87	0.47	1.423574595	12.95111928	14.28534359	2.299280565	13.56649054	15.9740206	0
17.63	1.12	21.42	0.46	1.454521869	13.03517951	13.96119867	2.302602966	13.59184141	15.99685508	0
17.65	1.04	20.84	0.44	1.71520754	13.20892591	13.61655337	2.306624269	13.61744009	16.02037946	0
17.67	1.04	20.6	0.44	1.71520754	13.20892591	13.42740155	2.310706053	13.64300699	16.0438765	0
17.69	1.12	21.51	0.46	1.454521869	13.03517951	14.32553194	2.313953704	13.66693265	16.0669012	0
17.71	1.12	22.29	0.48	1.393916791	12.86882886	15.14982878	2.316989824	13.69340896	16.0889242	0
17.73	1.2	23.57	0.52	1.133419011	12.55596991	16.3320523	2.319124183	13.71723109	16.10933822	0
17.75	1.28	24.99	0.55	0.936039056	12.33673579	17.66953658	2.320823825	13.740719	16.1291024	0
17.77	1.28	25.79	0.57	0.90319558	12.1971263	18.35325988	2.322404407	13.7639577	16.14842648	0
17.79	1.36	26.41	0.59	0.75387543	12.0623319	18.86319524	2.323689295	13.7869556	16.1673416	0
17.81	1.28	24.97	0.55	0.936039056	12.33673579	17.40429676	2.325420217	13.81030217	16.18699795	0
17.82	1.28	25.19	0.56	0.919324073	12.26630776	17.45446529	2.327117029	13.83346409	16.20638321	0
17.84	1.28	25.53	0.57	0.90319558	12.1971263	17.79865655	2.328753459	13.7639577	16.22565656	0
17.86	1.28	25.27	0.56	0.919324073	12.26630776	17.55419037	2.330443983	13.87965759	16.24494212	0
17.88	1.28	25.33	0.56	0.919324073	12.26630776	17.70984981	2.332121309	13.90275086	16.2642809	0
17.9	1.36	26.74	0.6	0.74131084	11.99663875	19.00903399	2.333382733	13.92541839	16.2828469	0
17.92	1.28	26.43	0.59	0.872578781	12.0623319	18.66199555	2.33489663	13.94817112	16.30158484	0
17.94	1.36	27.03	0.6	0.74131084	11.99663875	19.41488028	2.336134129	13.9708225	16.32014432	0
17.96	1.36	26.98	0.6	0.74131084	11.99663875	19.30127211	2.337380217	13.99342925	16.33867056	0
17.98	1.36	27.58	0.62	0.717397587	11.86847479	19.71650375	2.338561877	14.0157451	16.35677837	0
18	1.44	28.89	0.65	0.582701186	11.68377979	21.04365578	2.339462027	14.03711445	16.37388273	0
18.02	1.44	29.71	0.67	0.565307121	11.56532678	21.65376132	2.34031159	14.05826776	16.39067343	0
18.04	1.44	29.34	0.66	0.57387238	11.62410458	21.25816246	2.341190938	14.07946356	16.407574	0
18.06	1.44	29.86	0.68	0.556993781	11.50741979	21.71335039	2.342027403	14.10044824	16.42417097	0
18.08	1.36	28.13	0.63	0.706010323	11.80593505	20.20007294	2.343168199	14.12170526	16.44136071	0
18.1	1.36	27.51	0.61	0.729158203	11.93203148	19.68331778	2.344378516	14.14312327	16.45885526	0
18.11	1.36	28.27	0.63	0.706010323	11.80593505	20.42285093	2.345509151	14.16431053	16.47599801	0
18.13	1.36	27.26	0.6	0.74131084	11.99663875	19.58055386	2.346748596	14.18630118	16.4940626	0
18.15	1.36	27.03	0.6	0.74131084	11.99663875	19.36809339	2.348002863	14.20822072	16.51207357	0
18.17	1.36	27.26	0.6	0.74131084	11.99663875	19.66884912	2.349239232	14.22947197	16.52954029	0
18.19	1.28	26.09	0.57	0.90319558	12.1971263	18.60586237	2.35083321	14.25153928	16.54798376	0
18.21	1.28	26.53	0.58	0.887623243	12.12914806	19.03184622	2.352366322	14.27348148	16.56622355	0
18.23	1.36	27.72	0.61	0.729158203	11.93203148	20.20570212	2.353553721	14.29447991	16.58340755	0
18.25	1.36	27.5	0.6	0.74131084	11.99663875	20.00895383	2.354773965	14.31545413	16.60066447	0
18.27	1.36	27.37	0.6	0.74131084	11.99663875	19.84483981	2.356005571	14.33635903	16.61786872	0
18.29	1.36	27.67	0.61	0.729158203	11.93203148	19.90871385	2.357214272	14.35708324	16.63484121	0
18.31	1.36	27.78	0.61	0.729158203	11.93203148	19.83211021	2.358428891	14.3778341	16.65183387	0
18.32	1.36	27.63	0.6	0.74131084	11.99663875	19.66980886	2.35967515	14.3987254	16.66902779	0
18.34	1.36	27.97	0.61	0.729158203	11.93203148	19.60027084	2.360906517	14.41953677	16.68606622	0
18.36	1.36	27.33	0.59	0.75387543	12.0623319	19.45509387	2.362190444	14.44060334	16.70349271	0
18.38	1.28	25.67	0.55	0.936039056	12.33673579	17.77378199	2.363937099	14.46264196	16.72214816	0
18.4	1.28	26.51	0.57	0.90319558	12.1971263	18.46632725	2.365560827	14.48453177	16.74004586	0
18.42	1.28	25.96	0.55	0.936039056	12.33673579	17.85754843	2.367302748	14.50670654	16.75922134	0
18.44	1.28	26.07	0.56	0.919324073	12.26630776	17.97431141	2.369004087	14.52878687	16.77779206	0
18.46	1.28	26.07	0.56	0.919324073	12.26630776	18.01613952	2.370703211	14.55089954	16.79638786	0
18.48	1.28	26.48	0.57	0.90319558	12.1971263	18.39594983	2.372339632	14.57299027	16.81485406	0
18.5	1.28	27.2	0.59	0.872578781	12.0623319	18.85101229	2.373883805	14.59427522	16.83244698	0
18.52	1.28	27.43	0.59	0.872578781	12.0623319	19.12953153	2.375407046	14.61559089	16.85006327	0
18.54	1.12	23.58	0.49	1.36546951	12.78823528	15.70024434	2.378314146	14.63849652	16.87026982	0
18.56	1.35	28.76	0.63	0.719543136	11.80593505	20.45933127	2.379490845	14.65955587	16.88732208	0
18.58	1.35	29.13	0.63	0.719543136	11.80593505	20.9047692	2.380643642	14.6807156	16.90044354	0
18.6	1.35	28.82	0.63	0.719543136	11.80593505	20.63653836	2.381812538	14.70183534	16.92155073	0
18.61	1.43	30.39	0.67	0.577322598	11.56532678	22.45604804	2.38267528	14.7227514	16.93818222	0
18.63	1.35	28.96	0.63	0.719543136	11.80593505	21.22447392	2.383814034	14.74398511	16.9553687	0
18.65	1.35	27.93	0.6	0.755520293	11.99663875	20.41444022	2.385058429	14.76551567	16.97305548	0
18.67	1.35	28.53	0.62	0.731148671	11.86847479	20.83938015	2.386239318	14.78690762	16.99045042	0
18.69	1.5	30.78	0.68	0.487643016	11.50741979	22.94614028	2.386955286	14.80721885	17.0065289	0
18.71	1.59	32.06	0.71	0.372230492	11.33867486	24.20444245	2.387473883	14.82731973	17.02225355	0
18.73	1.67	33.65	0.75	0.276765582	11.12444863	25.59424145	2.387838906	14.8471951	17.03757962	0
18.75	1.58	33.3	0.74	0.36698939	11.17691452	25.04791252	2.38833398	14.86718318	17.05304462	0
18.77	1.67	33.92	0.76	0.27312393	11.07267767	25.38566373	2.388697892	14.88700737	17.06827759	0
18.79	1.67	34.51	0.78	0.266120752	10.97114858	25.80447058	2.389047048	14.90673721	17.08333894	0
18.81	1.67	34.5	0.77	0.269576866	11.02158347	26.09977096	2.389397067	14.9265761	17.09853105	0
18.83	1.67	34.32	0.77	0.269576866	11.02158347	25.72437583	2.389752551	14.94643452	17.11373699	0
18.84	1.58	33.71	0.75	0.362096198	11.12444863	25.02389097	2.390243866	14.96642938	17.12914818	0
18.86	1.58	33.52	0.74	0.36698939	11.17691452	24.78257257	2.390747172	14.98653774	17.14469903	0
18.88	1.58	34.37	0.77	0.352691102	11.02158347	25.22741263	2.391222788	15.00638834	17.15989563	0
18.9	1.58	33.46	0.74	0.36698939	11.17691452	24.3869098	2.391735224	15.02647925	17.17542998	0
18.92	1.58	34.58	0.77	0.352691102	11.02158347	25.0344247	2.392215436	15.04640852	17.19068221	0
18.94	1.58	35	0.78	0.348169421	10.97114858	25.17834714	2.392687224	15.06636579	17.20590413	0
18.96	1.67	35.69	0.8	0.259467733	10.87219012	25.97855468	2.393028306	15.0862576	17.22098022	0
18.98	1.75	37.43	0.85	0.180610342	10.63522967	27.52833483	2.39325257	15.10526796	17.23518162	0
19	1.75	37.13	0.84	0.182760465	10.68148643	27.33435102	2.393481329	15.12497978	17.24994463	0
19.02	1.75	38.37	0.87	0.17645838	10.54432673	28.6013808	2.393692624	15.14398866	17.26406503	0
19.04	1.75	38.62	0.88	0.174453171	10.49965595	28.67120051	2.393901205	15.16296646	17.27812379	0
19.06	1.75	38.59	0.88	0.174453171	10.49965595	28.4153239	2.39411186	15.18198959	17.29221379	0
19.08	1.83	41.01	0.95	0.107242212	10.20048755	30.57616545	2.394232325	15.20065496	17.30580873	0
19.1	1.83	41.17	0.95	0.107242212	10.20048755	30.48262698	2.394353264	15.21936872	17.31943673	0
19.11	1.83	42.09	0.97	0.105031032	10.11905439	30.5933419	2.394471391	15.23804275	17.33297469	0
19.13	1.92	44.82	1.05	0.044208316	9.809296308	32.66888043	2.394517999	15.25633568	17.34602292	0
19.15	1.83	42.34	0.98	0.103959287	10.07896532	29.93402305	2.394637719	15.2749608	17.359493	0
19.17	1.75	40.1	0.91	0.168701968	10.36862747	27.59869417	2.394848631	15.29402078	17.37349273	0
19.19	1.67	38.8	0.88	0.235879758	10.49965595	26.16713756	2.395159932	15.31387279	17.38818797	0
19.21	1.5	35.38	0.78	0.425124681	10.97114858	22.69601506	2.395807359	15.3344034	17.40379305	0
19.23	1.42	32.62	0.7	0.564161434	11.39411764	20.0742704	2.396779635	15.35624075	17.	