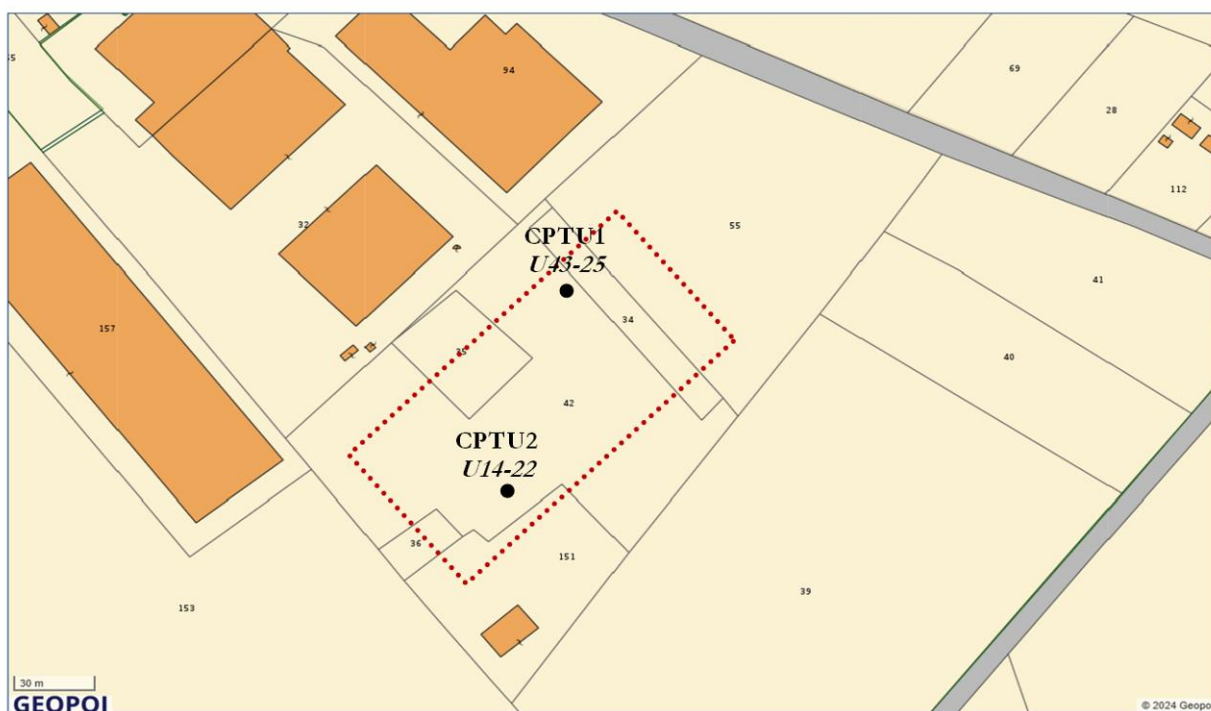


MICROZONAZIONE SISMICA

per procedure urbanistiche

DELIBERA DI GIUNTA REGIONALE N. 476/2021 e sua modifica D.G.R. 564/2021

Progetto per la realizzazione di un nuovo capannone presso l'azienda Punto Verde in via Punta a Migliaro (Fe); riferimenti catastali foglio n. 5 mappali n. 34, 35, 36, 42, 55 e 151 del comune di Fiscaglia/C (Fe).



Committente: **Soc. Agr. Punto Verde S.S.**
Sede in: via Punta n. 12
44027 Migliaro (Fe)

Codigoro, li 23/12/2025



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IN ALLEGATO: ANALISI DELLA RISPOSTA SISMICA LOCALE

PREMESSA

La Delibera di Giunta Regionale n. 476 del 12/04/2021 delibera espressamente: “2. di stabilire che il presente atto di coordinamento tecnico deve essere osservato per la predisposizione e approvazione degli atti di pianificazione territoriale ed urbanistica (...). Nella Delibera di Giunta Regionale di integrazione 564/2021 è espressamente riportato:

Infatti, come è già stato anticipato al paragrafo 2, l'analisi più approfondita (terzo livello di approfondimento), **può essere svolta dal Comune** nell'ambito della predisposizione e approvazione degli **strumenti generali di pianificazione urbanistica comunale**⁵, ai fini della redazione di una più completa carta di microzonazione, per accertare gli effettivi fattori limitanti o condizionanti le trasformazioni urbane presenti in detti areali ed indirizzare le scelte localizzative verso ambiti meno esposti alla pericolosità sismica.

Il medesimo livello di analisi **è comunque richiesto obbligatoriamente** per la predisposizione e approvazione degli **strumenti di pianificazione urbanistica attuativa** che prevedano, negli ambiti che presentano le **situazioni elencate al precedente paragrafo 2.1. lettera c)**, la localizzazione e l'attuazione dei seguenti interventi:

1. nuove urbanizzazioni;
2. l'addensamento e la sostituzione urbana¹⁹;
3. la ristrutturazione urbanistica²⁰;
4. edifici di interesse strategico e opere infrastrutturali la cui funzionalità durante gli interventi sismici assume rilievo fondamentale per le finalità di protezione civile e edifici e opere

¹⁹ Art. 7, comma 4, lettera c), LR 24/2017.

²⁰ Art. 7, comma 4, lettera b), LR 24/2017.

infrastrutturali che possono assumere rilevanza in relazione alle conseguenze di un eventuale collasso.

Di conseguenza, i PUG che non abbiano proceduto direttamente a svolgere l'analisi di terzo livello relative alle suddette aree, recependo le indicazioni del piano territoriale di scala provinciale o metropolitana (PTCP/PTM/PTAV), devono prescrivere la predisposizione di analisi del terzo livello di approfondimento in caso di elaborazione e approvazione degli Accordi operativi e dei Piani attuativi di iniziativa pubblica (art. 38 della LR 24/2017) che prevedano la realizzazione delle significative trasformazioni appena elencate²¹.

Inoltre, la predisposizione di analisi del terzo livello di approfondimento è obbligatoria negli areali più volte richiamati, per tutti i **procedimenti speciali** per i quali la legge consente che l'approvazione del progetto delle medesime significative trasformazioni comporti **variante alla pianificazione urbanistica e possa essere attuato senza la necessità di piani urbanistici attuativi**, quali: il procedimento unico e l'accordo di programma, di cui gli articoli 53 e 61 della L.R. n. 24/2017; la variante ai sensi dell'art. 8 del DPR n. 160 del 2010; il provvedimento autorizzatorio unico regionale di cui all'art. 21 della L.R. n. 4 del 2018; ecc.

La zona da indagare e la scala di restituzione degli elaborati devono essere commisurate alla criticità e alle dimensioni dell'area e all'importanza dell'intervento da realizzare.

Il comune di Fiscaglia si è dotato di microzonazione sismica di I e di II livello di approfondimento. In questa fase lo scrivente procederà con l'analisi approfondita di terzo livello di approfondimento per il centro aziendale della Punto Verde su cui è in progetto la realizzazione di un nuovo fabbricato in variante al PUG vigente.

Introduzione alla microzonazione sismica

La microzonazione sismica è la suddivisione dettagliata del territorio in base al comportamento dei terreni durante un evento sismico e ai possibili effetti indotti dallo scuotimento (risposta sismica locale). La microzonazione sismica è pertanto un efficace strumento di prevenzione e riduzione del rischio sismico, in particolare se realizzato e applicato fino dalle prime fasi di pianificazione urbanistica, in quanto consente di indirizzare le scelte urbanistiche verso aree a minore pericolosità sismica e/o fornire indicazioni per scelte progettuali che tengano adeguatamente conto delle condizioni di pericolosità sismica locale.

Gli studi di microzonazione sismica prevedono diversi livelli di approfondimento in funzione delle finalità e delle applicazioni nonché degli scenari di pericolosità locale.

Per la microzonazione sismica si identificano due fasi di analisi con diversi livelli di approfondimento.

La **prima fase di analisi** è diretta a definire gli scenari di pericolosità sismica locale, cioè identificare le parti di territorio suscettibili di effetti locali (amplificazione del moto sismico, instabilità dei versanti, fenomeni di liquefazione, rotture del terreno, ...).

L'individuazione delle aree soggette ad effetti locali si basa su rilievi, osservazioni e valutazioni di tipo geologico e geomorfologico, svolti a scala territoriale, associati a raccolte di informazioni sugli effetti indotti dai terremoti passati. Tale analisi viene svolta soprattutto mediante elaborazione dei dati disponibili in sede di predisposizione del piano territoriale di livello provinciale o metropolitano 3 e concorre alla definizione delle scelte di piano, fornendo prime indicazioni sui limiti e le condizioni per la pianificazione nelle suddette aree. Il quadro conoscitivo della pianificazione urbanistica comunale presenta una cartografia della pericolosità sismica locale, derivata dalle previsioni della pianificazione d'area vasta ma ad una scala di maggior dettaglio, limitatamente agli areali da indagare.

La **seconda fase di analisi** ha come obiettivo la microzonazione sismica del territorio indagato.

Sulla base degli scenari individuati dalle analisi svolte nel corso della prima fase, nella seconda fase si attuano due diversi livelli di approfondimento: a) un'analisi semplificata (secondo livello di approfondimento) e b) una analisi approfondita (terzo livello di approfondimento), come di seguito specificato:

a) nelle aree pianeggianti e sub-pianeggianti, incluse le zone di fondovalle appenniniche, con stratificazione orizzontale e sub-orizzontale, e sui versanti stabili, compresi quelli con coperture di spessore circa costante e acclività $\leq 15^\circ$, vale a dire in tutte le zone non interessate da instabilità nelle quali il modello stratigrafico può essere assimilato ad un modello fisico monodimensionale, si ritiene sufficiente un'analisi semplificata (secondo livello di approfondimento), cioè l'analisi della pericolosità sismica locale può essere basata, oltre che sull'acquisizione di dati geologici e geomorfologici più dettagliati di quelli rilevati nel primo livello, su prove geofisiche e prove geotecniche in sito di tipo standard e l'amplificazione del moto sismico può essere stimata attraverso tabelle e formule. Il numero delle verticali indagate deve essere tale da consentire un'adeguata caratterizzazione litostratigrafica e geofisica spaziale dei terreni e delle formazioni presenti nell'area di studio;

b) un'analisi più approfondita (terzo livello di approfondimento) è invece richiesta per la definizione di indici di rischio negli areali che presentano le caratteristiche elencate al successivo paragrafo 2.1, lettera c), specificamente individuati dalla cartografia della pericolosità sismica locale predisposta dai piani di area vasta e recepita nel quadro conoscitivo dei piani urbanistici comunali.

L'analisi approfondita richiede un significativo numero di prove geofisiche e geotecniche, sia in sito che in laboratorio, rivolte alla definizione del comportamento dei terreni sotto sollecitazione dinamica, e l'impiego di specifiche procedure di elaborazione per la stima degli indici di rischio.

1. PRIMO LIVELLO DI APPROFONDIMENTO

Per il comune di Fiscaglia sono già stati redatti gli studi di microzonazione sismica di I e II livello di approfondimento, e tali studi hanno coinvolto tutto il sedime del centro aziendale della Az. Agr. Punto Verde S.S..

Il primo livello di approfondimento ha le seguenti finalità:

- individuare le aree suscettibili di effetti locali in cui effettuare le successive indagini di microzonazione sismica;
- definire il tipo di effetti attesi;
- indicare, per ogni area, il livello di approfondimento necessario;
- descrivere le caratteristiche delle unità geologiche del sottosuolo, in termini di litologia, stratigrafia, tettonica e geometria per definire il modello geologico di base per la microzonazione sismica.

Per questo livello di approfondimento sono stati prodotti i seguenti elaborati cartografici:

1. Carta delle indagini
2. Carta Geologico Tecnica
3. Carta delle frequenze naturali dei terreni
4. Carta delle aree suscettibili di effetti locali – Microzone Omogenee in Prospettiva sismica

CARTA DELLE INDAGINI

Di seguito si riporta la **FIGURA1 - Carta delle indagini**.

In questa Carta sono ubicate tutte le indagini realizzate in sito, nello specifico:

- n. 5 prove penetrometriche statiche con punta elettrica e piezocono CPTU spinte fino a 30m di profondità.
- n. 1 prova penetrometrica statica con punta elettrica piezocono e sismocono SCPTU spinta fino a 30m di profondità.



Attuazione dell'articolo 11 della legge 24 giugno 2009, n.77

MICROZONAZIONE SISMICA

Carta delle Indagini

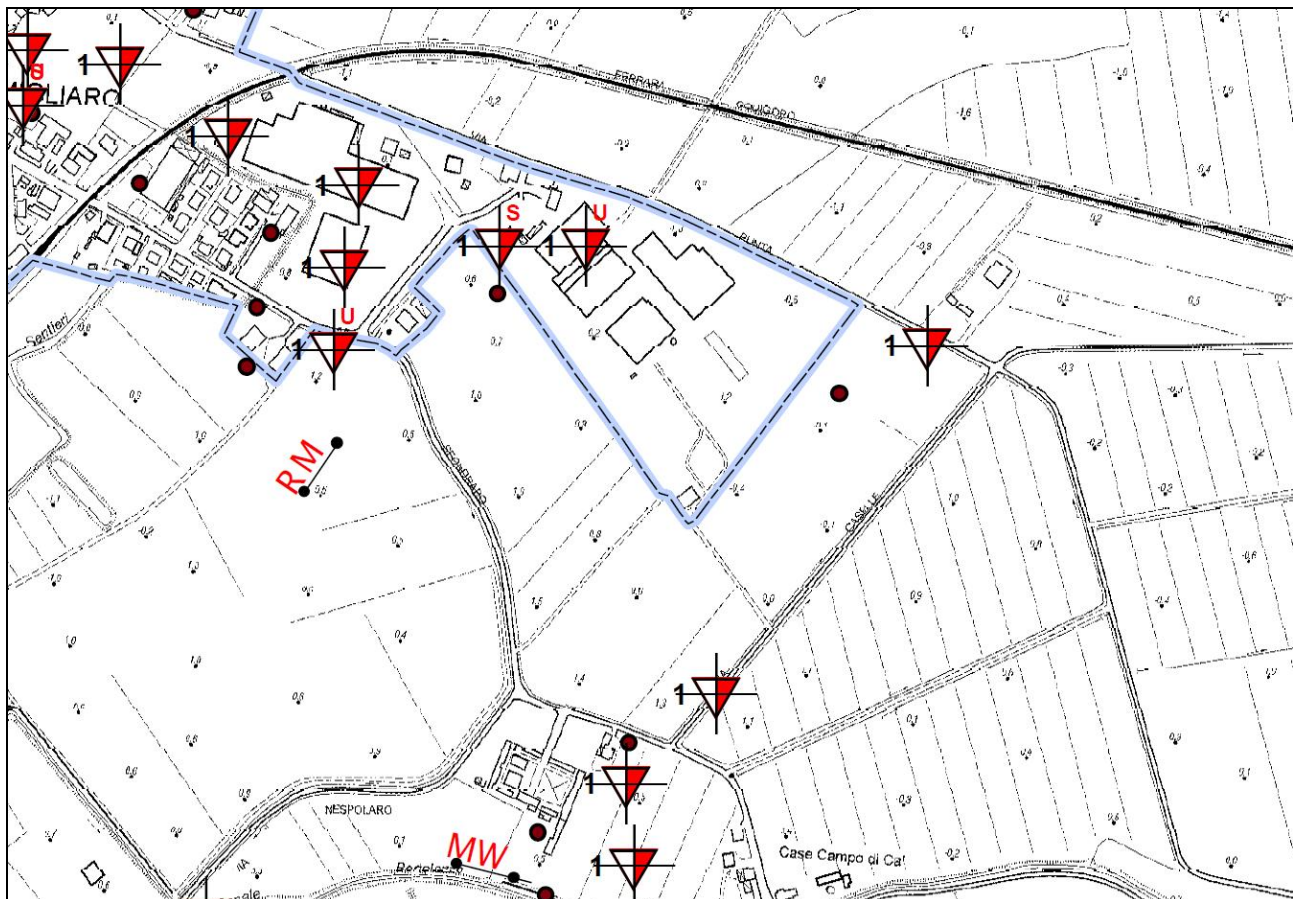
scala 1 : 10.000

Regione Emilia-Romagna
Comune di Fiscaglia



Tavola 1

Regione	Soggetto realizzatore	Data
Emilia-Romagna	Dott. Geol. Thomas Veronese	Dicembre 2018



Frontespizio e stralcio della tavola delle indagini del 2018



FIGURA 1 - Aggiornamento della tavola delle indagini all'interno del centro aziendale della Punto Verde.

CARTA GEOLOGICO TECNICA

Di seguito si riporta la **FIGURA 2 - Carta Geologico Tecnica**.



Attuazione dell'articolo 11 della legge 24 giugno 2009, n.77

MICROZONAZIONE SISMICA

Carta Geologica Tecnica per la Microzonazione Sismica

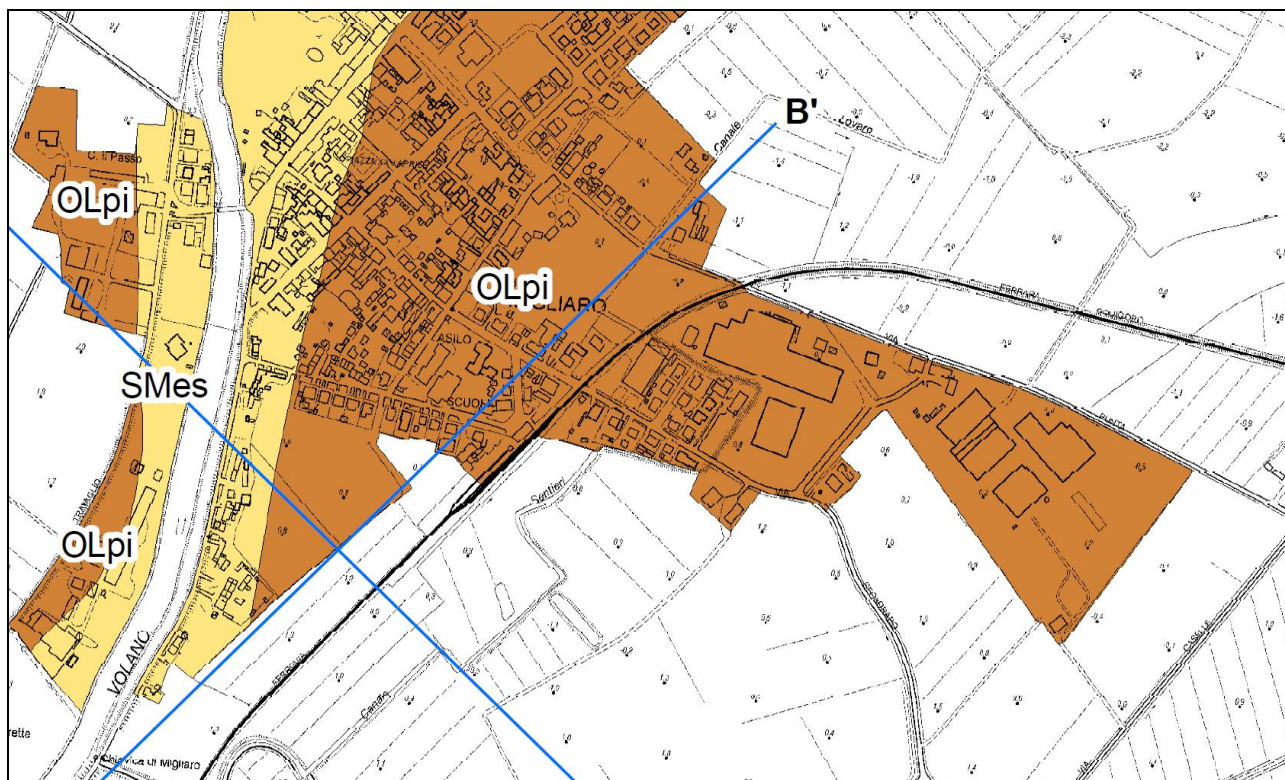
scala 1 : 10.000

Regione Emilia-Romagna
Comune di Fiscaglia



Tavola 2

Regione	Soggetto realizzatore	Data
Emilia-Romagna	Dott. Geol. Thomas Veronese	Dicembre 2018



Legenda

Terreni di copertura

- SPes** Sabbie pulite con granulometria poco assortita di argine e canale
- SMes** Sabbie limose, miscela di sabbie e limo di argine e canale
- OLpi** Limi organici, argille limose organiche di bassa plasticità di piana inondabile
- OHpa** Argille organiche di medio-alta plasticità, limi organici palustri

Elementi geologici e idrogeologici

- 2456** ● Pozzo o sondaggio che ha raggiunto il substrato geologico (profondità in m)
- 50** ● Pozzo o sondaggio che non ha raggiunto il substrato geologico (profondità in m)
- A — A'** — Elementi geologici e idrogeologici

Elementi cartografici

- Limiti amministrativi

FIGURA 2 – Stralcio della carta geologico tecnica all'interno del centro aziendale della Punto Verde.

Questa carta è realizzata sulla base dei rilievi geologici e morfologici disponibili. In questa cartografia sono rappresentati gli elementi geologici e morfologici locali d'interesse per l'analisi della pericolosità sismica, in particolare quelli che possono modificare il moto sismico in superficie.

CARTA DELLE FREQUENZE NATURALI DEI TERRENI

Di seguito si riporta la **FIGURA 3 - Carta delle frequenze naturali del terreno f_0** .



MICROZONAZIONE SISMICA

Carta delle frequenze naturali dei terreni

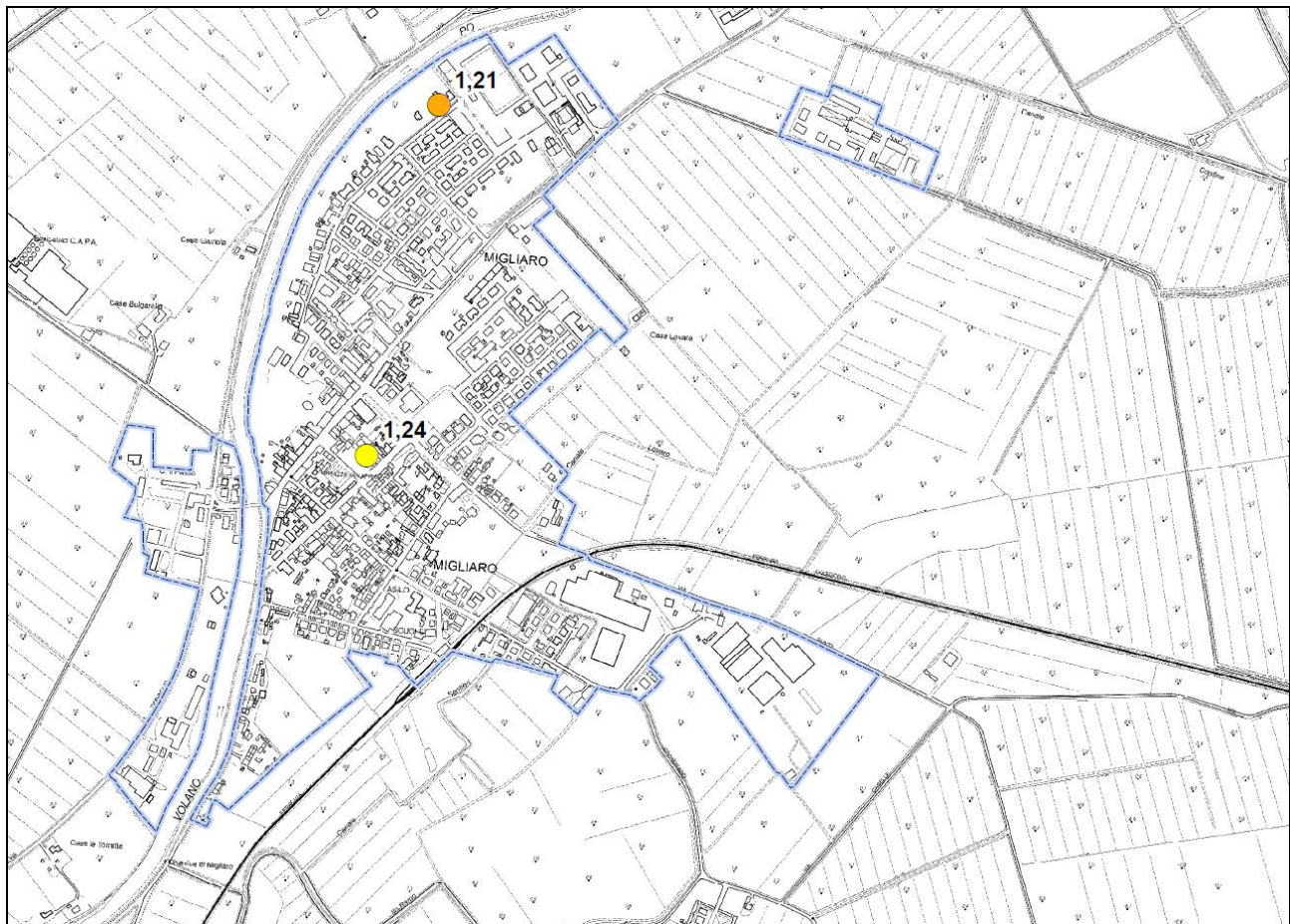
scala 1 : 10.000

Regione Emilia–Romagna
Comune di Fiscaglia



Tavola 3

Regione	Soggetto realizzatore	Data
Emilia–Romagna	Dott. Geol. Thomas Veronese	Dicembre 2018



Legenda

Punti di misura della frequenza

Misure di microtremore a stazione singola effettuate per lo studio di Microzonazione Sismica di II livello

- 2,26**
● $2 < A_0 \leq 2,5$
- 2,83**
● $2,5 < A_0 \leq 3$
- 3,6**
● $A_0 > 3$

Misure di microtremore a stazione singola da archivio

- 2,73**
◆ $2,5 < A_0 \leq 3$

Il colore del simbolo indica differenti classi di ampiezza A_0

Elementi cartografici

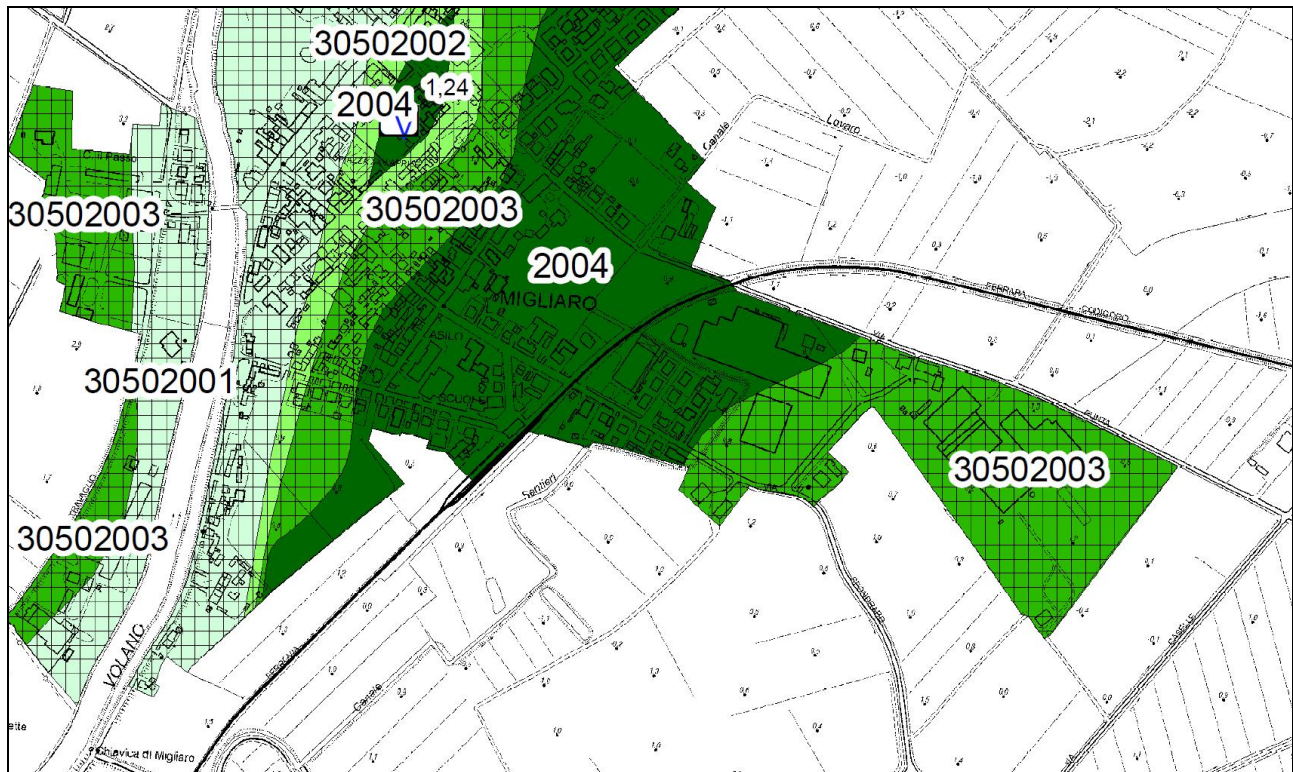
- ▭ Limiti amministrativi
- ▭ Limiti ambiti comunali territorio urbanizzato ed urbanizzabile

FIGURA 3 – Stralcio della carta delle frequenze di Migliaro FE.

CARTA DELLE AREE SUSCETTIBILI DI EFFETTI LOCALI – MICROZONE OMOGENEE IN PROSPETTIVA SISMICA

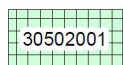
Di seguito si riporta la **FIGURA 4 - Carta delle microzone omogenee in prospettiva sismica MOPS**.



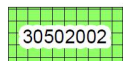


Legenda

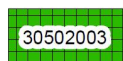
Zone di attenzione per instabilità



Presenza di paleoalvei importanti sub-affioranti con tetto delle sabbie compreso tra piano campagna e -4,0 metri da piano campagna con spessore maggiore di 6 metri caratterizzato da un addensamento in graduale aumento con la profondità seguito da terreni argilloso limosi e limoso argilloso con lenti di sabbia e sabbia limosa dello spessore variabile più in profondità.



Porzioni immediatamente esterne al paleoalveo principale e interessate dalle divagazioni secondarie del medesimo, caratterizzate da un primo strato di terreni di copertura di 1-4 metri di argille e limi di consistenza media di origine alluvionale, seguito da depositi di paleoalveo secondario, sabbioso e sabbioso limoso, di spessore inferiore a 6 metri, a cui seguono terreni argillosi e argilloso limosi consistenti a cui si possono intervallare banchi sabbiosi e sabbioso limosi di spessore variabile

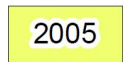


Porzioni in transizione tra la zona dei paleoalvei e le piane alluvionali, caratterizzate da un primo intervallo di depositi argilloso limosi e limoso argilloso di consistenza variabile di spessore maggiore di 4 metri, seguito da corpi di paleoalveo minore con spessore del corpo sabbioso minore di 5 metri a cui seguono depositi argilloso limosi e limoso argilloso di consistenza in generale aumento con la profondità alternati a banchi sabbiosi e sabbiosi limosi mediamente addensati.

Zone stabili suscettibili di amplificazioni locali



Porzioni caratterizzate da un primo intervallo di almeno 15 metri di terreni argilloso limosi e limoso argilloso talvolta di origine organica e torbe caratterizzati da un diverso grado di consistenza da bassa a medio alta all'aumentare della profondità con possibile presenza di corpi lenticolari sabbioso limosi dello spessore decimetrico, seguiti da depositi di paleoalveo minori con tetto delle sabbie e spessore metrico variabile, generalmente moderatamente addensati.



Porzioni caratterizzate da terreni in prevalenza argilloso limosi e limoso argilloso a consistenza variabile da bassa a moderata e con presenza variabile di terreni torbosi o argille organiche nei primi 20 metri da piano campagna; talvolta è possibile la presenza di corpi lenticolari dello spessore inferiore al metro di limi sabbiosi e sabbie fini limose.

Punti di misura di rumore ambientale



Stazione microtremore a stazione singola con indicazione del valore di f_0

Elementi cartografici



Limiti amministrativi

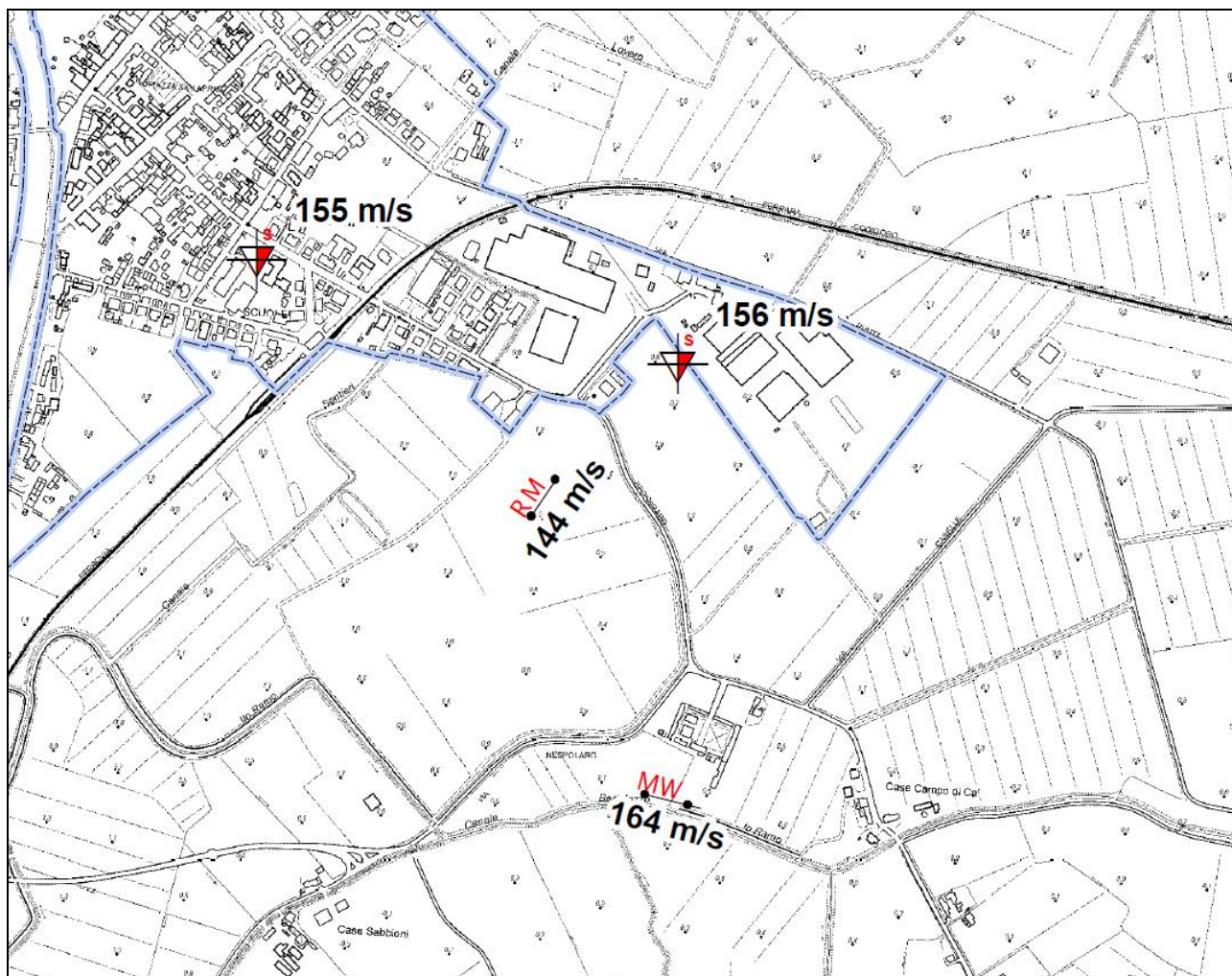
FIGURA 4 – Stralcio della carta delle microzone omogenee in prospettiva sismica

2. SECONDO LIVELLO DI APPROFONDIMENTO

CARTA DELLE VELOCITÀ DELLE ONDE DI TAGLIO S (V_s)





Di seguito si riporta la **FIGURA 5 - Carta delle velocità delle onde di taglio S**.





Legenda

Punti di misura della velocità delle onde di taglio

- 156 m/s**
 ESAC_SPAC utilizzata per la misura indiretta della velocità delle onde di taglio con indicazione del valore di Vs30
- 156 m/s**
 SCPT utilizzata per la misura diretta della velocità delle onde di taglio con indicazione del valore di Vs30
- 164 m/s**
 MASW utilizzata per la misura indiretta della velocità delle onde di taglio con indicazione del valore di Vs30
- 165 m/s**
 REMI utilizzata per la misura indiretta della velocità delle onde di taglio con indicazione del valore di Vs30

Elementi cartografici



-  Limiti amministrativi
-  Limiti ambiti comunali territorio urbanizzato ed urbanizzabile

FIGURA 5 – Stralcio della carta delle velocità delle onde di taglio

Con la misura della V_{s30} in sito (che è di 156 m/sec) e con il bedrock sismico profondo oltre i 300m (valutazione ricavata da altri studi territoriali), le tabelle del secondo livello di approfondimento definiscono i seguenti fattori di amplificazione.

PIANURA 3: settore di pianura caratterizzato da elevati spessori di sedimenti prevalentemente fini e poco consolidati, alternanze di limi, argille e sabbie di ambiente alluvionale e transizionale, con substrato rigido a profondità non inferiore a 300 m da p.c.;

V_{s30} (m/s) →	150	200	250	300	350	400
PGA	1,3	1,3	1,3			

Fattore di Amplificazione **PGA**

V_{s30} (m/s) →	150	200	250	300	350	400
SA1	1,3	1,3	1,3			
SA2	2,1	2,1	2,0			
SA3	2,5	2,5	2,4			
SA4	2,4	2,4	2,3			

Fattori di Amplificazione **SA1** ($0,1s \leq T \leq 0,5s$), **SA2** ($0,4s \leq T \leq 0,8s$), **SA3** ($0,7s \leq T \leq 1,1s$), **SA4** ($0,5s \leq T \leq 1,5s$)

V_{s30} (m/s) →	150	200	250	300	350	400
SI1	1,5	1,5	1,5			
SI2	2,3	2,3	2,2			
SI3	2,6	2,6	2,4			

Fattori di Amplificazione **SI1** ($0,1s \leq T \leq 0,5s$), **SI2** ($0,5s \leq T \leq 1,0s$), **SI3** ($0,5s \leq T \leq 1,5s$)

Il fattore di amplificazione F.A., secondo D.G.R. 476/2021, derivato dal rapporto tra la P.G.A. in superficie e quella al bedrock per valori di V_{s30} di 156 m/s è pari a 1,30 per Pianura 3.

Queste tabelle da II livello di approfondimento verranno poi superate nel capitolo seguente dagli studi specifici sull'area in valutazione, mediante le analisi di risposta sismica locale.

3. TERZO LIVELLO DI APPROFONDIMENTO

Da ora in poi, non essendo stati condotti gli studi di approfondimento di III livello, si è dovuto procedere con una specifica **analisi di risposta sismica locale RSL** per il calcolo dei fattori di amplificazione sismica stratigrafica locale e per lo studio dei potenziali di liquefazione delle sabbie, visto che negli approfondimenti precedenti è emerso che sono presenti banchi di sabbie sciolte, sature di acqua, costituenti i caratteri predisponenti alla liquefazione. Il sito allo studio della Soc. Agr. Punto Verde appartiene alla zona omogenea 30502003.

30502003

Porzioni in transizione tra la zona dei paleoalvei e le piane alluvionali, caratterizzate da un primo intervallo di depositi argilloso limosi e limoso argillosi di consistenza variabile di spessore maggiore di 4 metri, seguito da corpi di paleoalveo minore con spessore del corpo sabbioso minore di 5 metri a cui seguono depositi argilloso limosi e limoso argillosi di consistenza in generale aumento con la profondità alternati a banchi sabbiosi e sabbiosi limosi mediamente addensati.

In questa fase è richiesta un'analisi più approfondita per la stima di indici di rischio negli ambiti di pericolosità sismica locale definiti dalla cartografia di area vasta di prima fase che presentano zone suscettibili di instabilità.

Questo livello di analisi è quindi finalizzato a valutare l'effettivo grado di pericolosità sismica locale delle aree instabili e potenzialmente instabili e di quelle soggette a liquefazione e densificazione (individuate attraverso il primo livello di analisi nella cartografia delle aree suscettibili di effetti locali) ai fini della predisposizione della Variante del PUG attivato per questo progetto.

Per questo livello di approfondimento sono stati prodotti i seguenti elaborati cartografici:

1. Carta dei Fattori di Amplificazione - FA_{PGA}
2. Carta dei Fattori di Amplificazione - $FA_{SA1} 0,1s \leq T \leq 0,5s$
3. Carta dei Fattori di Amplificazione - $FA_{SA2} 0,4s \leq T \leq 0,8s$
4. Carta dei Fattori di Amplificazione - $FA_{SA3} 0,7s \leq T \leq 1,1s$
5. Carta dei Fattori di Amplificazione - $FA_{SA4} 0,5s \leq T \leq 1,5s$
6. Carta dei Fattori di Amplificazione - $FA_{SI1} 0,1s \leq T \leq 0,5s$
7. Carta dei Fattori di Amplificazione - $FA_{SI2} 0,5s \leq T \leq 1,0s$
8. Carta dei Fattori di Amplificazione - $FA_{SI3} 0,5s \leq T \leq 1,5s$
9. Carta della distribuzione sul territorio dei valori di $H_{SM} 0,1s \leq T \leq 0,5s$
10. Carta della distribuzione sul territorio dei valori di $H_{SM} 0,4s \leq T \leq 0,8s$
11. Carta della distribuzione sul territorio dei valori di $H_{SM} 0,5s \leq T \leq 1,5s$
12. Carta della distribuzione sul territorio dei valori di $H_{SM} 0,7s \leq T \leq 1,1s$
13. Carta dell'indice di liquefazione I_{pl}

Sul sito allo studio è stata condotta una analisi specifica di risposta sismica locale R.S.L. per calcolare i fattori di amplificazione in termini di $FA_{PGA} = PGA/PGA_0$, Valore del fattore di amplificazione $FA_{SA} = SA/SA_0$, espressi nell'intervallo di periodo prefissati $FA_{0,1-0,5s}$, $FA_{0,4-0,8s}$, $FA_{0,7-1,1s}$ e $FA_{0,5-1,5s}$, Valore del fattore di amplificazione $FA_{SI} = SI/SI_0$, espressi nell'intervallo di periodo prefissati $FA_{0,1-0,5s}$, $FA_{0,5-1,0s}$ e $FA_{0,5-1,5s}$.

Si riporta in **Tabella 1** la sintesi dei risultati ottenuti attraverso lo studio di risposta sismica locale R.S.L., per i diversi fattori di amplificazione F.A..

	ΔT (sec)	Societa Agricola Punto Verde Ss, Via Punta, Fiscaglia, FE
FA PGA		1.34
PGAo		0.107
PGA		0.143
FA SA1	0.1-0.5	1.22
FA SA2	0.4-0.8	2.16
FA SA3	0.7-1.1	3.08
FA SA4	0.5-1.5	2.75
FA SI1	0.1-0.5	1.15
FA SI2	0.5-1.0	2.32
FA SI3	0.5-1.5	2.57

Tabella 1 – Sintesi dei risultati ottenuti attraverso lo studio di risposta sismica locale RSL

A questa relazione è allegata la relazione dell'Analisi di Risposta Sismica Locale condotta per calcolare i fattori riportati nella Tabella 1.

CARTE DELLA DISTRIBUZIONE SUL TERRITORIO DEI VALORI DI HSM

Di seguito si riportano i valori di HSM del sito allo studio (centro Aziendale della Punto Verde a Migliaro), per i seguenti intervalli di periodo richiesti dalla DGR 476/2021: **HSM $0,1s \leq T \leq 0,5s$, Distribuzione HSM $0,4s \leq T \leq 0,8s$, i HSM $0,5s \leq T \leq 1,5s$ e Tavola HSM $0,7s \leq T \leq 1,1s$.**

Le mappe di microzonazione sismica rappresentano il rischio sismico locale attraverso fattori di amplificazione, vale a dire valori relativi, e le mappe di rischio sismico di riferimento non considerano gli effetti locali che possono derivare da condizioni geologiche e morfologiche locali. Per l'implementazione di politiche per ridurre il rischio sismico, le autorità responsabili della gestione del territorio hanno bisogno di mappe realistiche di pericolosità sismica comparabili su scala nazionale. Grazie ai dati disponibili sulla geologia e al rischio sismico e alle procedure indicate dalle linee guida regionali e nazionali, è possibile produrre, in modo rapido ed economico, mappe del rischio sismico del sito su qualsiasi scala. L'uso del parametro H_{SM} per questa mappatura consente di considerare sia il rischio sismico di riferimento sia gli effetti locali e rende i risultati finali comparabili su scala nazionale; pertanto, consente una classificazione realistica del pericolo sismico applicabile a tutte le scale.

In **FIGURA 6** si riporta lo schema per la mappatura del rischio sismico del sito secondo le linee guida italiane per la microzonazione sismica (SM Working Gruppo, 2015; CTMS, 2017c), adottato nella Deliberazione della Giunta Regionale 12 aprile 2021, N. 476.

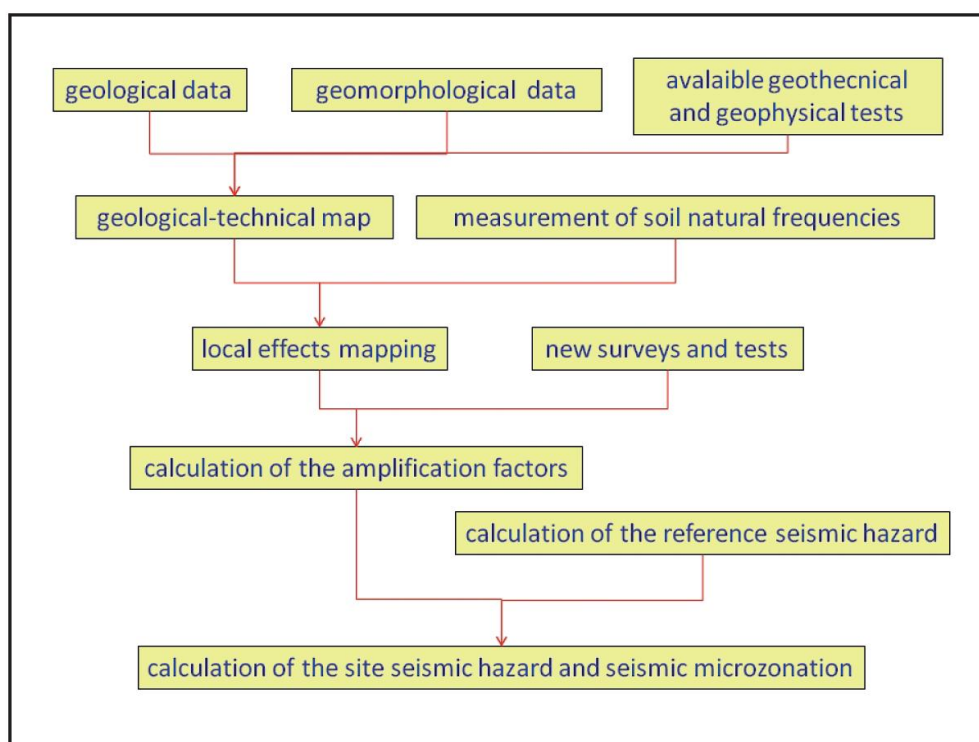


FIGURA 6 - Schema per la mappatura del rischio sismico del sito secondo le linee guida italiane per la microzonazione sismica (SM Working Gruppo, 2015; CTMS, 2017c)

Con l'introduzione del parametro H_{SM} si è scelto di sviluppare mappe che tenessero in conto del rischio sismico derivato dalla interazione tra il moto sismico e la presenza di edifici con determinati modo di vibrare. L'intervallo compreso tra 0,1sec e 0,5sec risulta essere il più significativo possibile per la realtà edilizia della Regione Emilia Romagna (**FIGURA 7**), ma la norma prevede che nel III livello di approfondimento il parametro di H_{SM} venga calcolato anche per l'intervallo di periodo 0,4sec-0,8 sec, 0,7sec-1,1sec e 0,5sec-1,5sec.

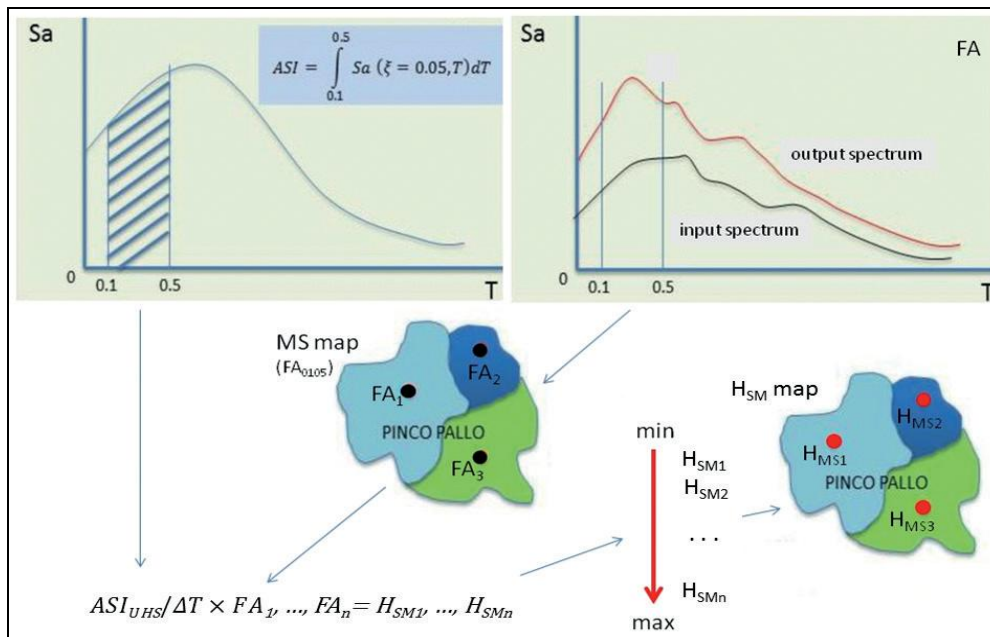


FIGURA 7 - Schema per il calcolo del parametro HSM e mappatura HSM

Di seguito si riporta lo stralcio del foglio di calcolo excel (**FIGURA 8**) redatto dallo scrivente per il calcolo dell'integrale della funzione costituita dallo spettro il accelerazione ottenuto con la RSL, per i diversi intervalli richiesti dalla norma regionale.

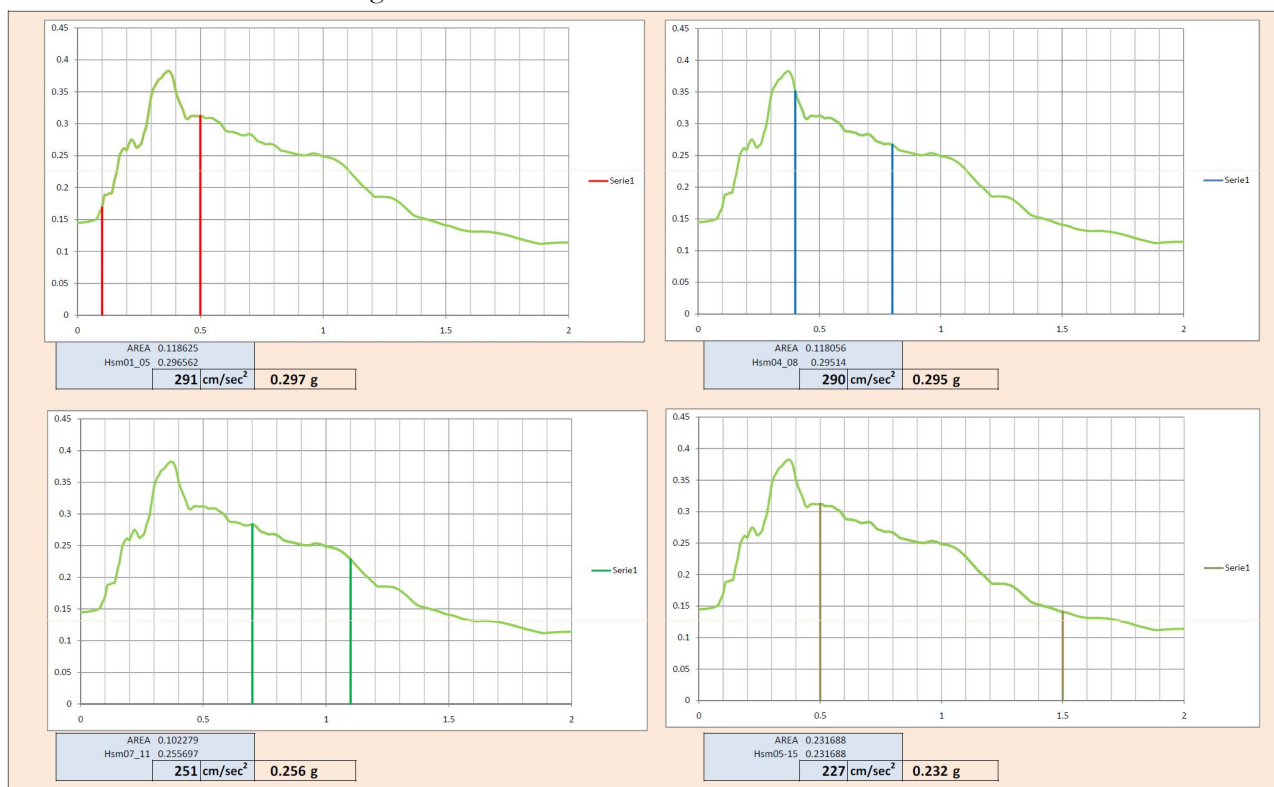


FIGURA 8 – Calcolo degli HSM dallo spettro di risposta in accelerazione ottenuto con al RSL

	ΔT (sec)	Societa Agricola Punto Verde Ss, Via Punta, Fiscaglia, FE
FA PGA		1.34
PGAo		0.107
PGA		0.143
FA SA1	0.1-0.5	1.22
FA SA2	0.4-0.8	2.16
FA SA3	0.7-1.1	3.08
FA SA4	0.5-1.5	2.75
FA SI1	0.1-0.5	1.15
FA SI2	0.5-1.0	2.32
FA SI3	0.5-1.5	2.57
Hsm (g)	0.1-0.5	0.297
Hsm (g)	0.4-0.8	0.295
Hsm (g)	0.7-1.1	0.256
Hsm (g)	0.5-1.5	0.232
Hsm	0.1-0.5	291
Hsm	0.4-0.8	290
Hsm	0.7-1.1	251
Hsm	0.5-1.5	227

TABELLA 2 - Tabella riassuntiva di tutti i parametri calcolati con la RSL

Non ci sono, sulla normativa regionale, delle classi di rischio in cui suddividere il territorio. Una ipotesi è stata proposta da Naso et Alii (giugno 2019):

Il parametro H_{SM} può essere discretizzato in classi in modo semiquantitativo, relativo al livello di scuotimento, il potenziale danno agli edifici e l'intensità strumentale. Le possibili soglie delle classi per i valori H_{SM} proposti da Naso et Alii (2019) possono variare da "basso-molto basso", "moderato-basso", Pericolo sismico da "moderato", "alto" a "molto alto".

In **Tabella 3** si riporta la recente proposta di classificazione.

seismic hazard	low-very low	moderate-low	moderate	high	very high
H_{SM} (cm/s ²)	≤ 180	$180 < H_{SM} \leq 340$	$340 < H_{SM} \leq 650$	$650 < H_{SM} \leq 1240$	> 1240
potential damage	none - very light	very light - moderate	moderate - heavy	heavy	very heavy
instrumental intensity	$\leq VI$	VII	VIII	IX	$\geq X$

Tabella 3 – Maps for land management: from geology to seismic hazard

G. Naso, L. Martelli, M. Baglione, F. Bramerini, S. Castenetto, V. D'intinosante and G. Ercolessi

1 Dipartimento della Protezione Civile, Servizio Rischio Sismico, Roma, Italy

2 Regione Emilia-Romagna, Servizio Geologico, Sismico e dei Suoli, Bologna, Italy

3 Regione Toscana, Settore Sismica - Ufficio Prevenzione Sismica, Firenze, Italy

(Received: 16 March 2018; accepted: 4 December 2018)

	ΔT (sec)	Societa Agricola Punto Verde Ss, Via Punta, Fiscaglia, FE
Hsm	0.1-0.5	291

Tabella 4 – Valori H_{SM} (T compreso tra 0,1 – 0,5 sec) espressi in cm/sec^2 .

Nel sito allo studio il rischio per edifici con periodo compreso tra 0,1sec e 0,5sec è **"moderato-basso"**.

Si fa ora riferimento ad una ulteriore classificazione degli HSM per tutti e quattro gli intervalli di periodo su cui vengono calcolati (**Tabella 5**).

Intervalli di periodo	Classificazione HSM [g]			
	Basso (ZS_{4SM})	Medio (ZS_{3SM})	Alto (ZS_{2SM})	Molto alto (ZS_{1SM})
T1 (0,1-0,5)	$\leq 0,21$	0,22-0,54	0,55-0,85	$\geq 0,86$
T2(0,4-0,8)	$\leq 0,14$	0,15-0,34	0,35-0,55	$\geq 0,56$
T3(0,7-1,1)	$\leq 0,09$	0,10-0,22	0,23-0,35	$\geq 0,36$
T4(0,5-1,5)	$\leq 0,09$	0,10-0,22	0,23-0,35	$\geq 0,36$

Tabella 5 – Microzonazione sismica- Linee guida per la gestione del territorio in aree interessate da amplificazione

Massimo Baglione, Daniele Bottero, Fabrizio Bramerini, Sergio Castenetto, Iolanda Gaudiosi, Luca Martelli, Federico Mori, Massimiliano Moscatelli, Andrea Motti, Giuseppe Naso, Pierpaolo Tiberi, Daniele Spina

	ΔT (sec)	Societa Agricola Punto Verde Ss, Via Punta, Fiscaglia, FE
Hsm (g)	0.1-0.5	0.297
Hsm (g)	0.4-0.8	0.295
Hsm (g)	0.7-1.1	0.256
Hsm (g)	0.5-1.5	0.232

Tabella 6 – Classificazione di H_{SM} (g) per i 4 intervalli di periodo

Secondo quest'altra classificazione, l'ambito dello stabilimento della Punto Verde, presenta rischio **"Medio"** per i bassi periodi (tra 0,1 e 0,5 sec e 0,4-0,8 secondi) mentre presenta un rischio **"Alto"** per gli edifici con periodo compreso tra 0,7-1,1 secondi e 0,5-1,5 secondi (**TABELLA 6**).

CARTA DELL'INDICE DI LIQUEFAZIONE I_{PL}

A tal proposito è stata redatta la **FIGURA 9 – Carta dell'indice di Liquefazione**.

Questa carta dell'indice del potenziale di liquefazione è stata realizzata analizzando le 6 prove penetrometriche statiche con punta elettrica e piezocono CPTU realizzate in sito e presenta un punto colorato per ogni verticale indagata, in funzione del valore del potenziale di liquefazione calcolato; inoltre per ogni indagine realizzata viene riportato il valore puntuale di I_{PL} calcolato con il metodo Boulanger & Idriss 2014.

L'indice del potenziale di liquefazione è un valore adimensionale che parte da 0 ed esprime il grado di pericolosità dovuto a liquefazione delle sabbie in caso di sisma. Sulla base dei valori di questo indice si esprime una diversa classificazione del potenziale di liquefazione (**Tabella 7**) indicata con diversi colori in carta, come riportato da D.G.R. 476 del 2021 della Regione Emilia Romagna.

Indice del Potenziale di Liquefazione I_L	Classificazione D.G.R. 476 del 2021	Colori nella carta
0,00	<i>Rischio di liquefazione nullo</i>	
$0,00 \leq 2,00$	<i>Rischio di liquefazione basso</i>	
$2,00 \leq 5,00$	<i>Rischio di liquefazione moderato</i>	
$5,00 \leq 15,00$	<i>Rischio di liquefazione alto</i>	
$\geq 15,00$	<i>Rischio di liquefazione molto alto</i>	

Tabella 7 – Classificazione dell'indice del potenziale di liquefazione

Successivamente verrà spiegato come è stato calcolato questo valore e i dati di input utilizzati.

La procedura utilizzata per la valutazione della resistenza alla liquefazione è stata eseguita secondo il metodo **B&I 2014**.

Tra i metodi semplificati basati sui risultati di prove CPTe/CPTu è particolarmente raccomandato dalle delibere regionali il recente metodo di *Boulanger e Idriss, 2014*.

Si riporta di seguito lo stralcio della D.G.R. 476/2021 con la sequenza logica del calcolo.

A2.2 Metodo basato sui risultati di prove CPTe/CPTu (Boulanger e Idriss, 2014)

Tutti i metodi semplificati di stima del rischio di liquefazione che utilizzano i risultati di prove penetrometriche statiche sono calibrati sull'apparecchiatura a punta elettrica (CPTe/CPTu). L'uso di tali metodi con i risultati di prove CPT a punta meccanica può condurre ad una sovrastima della resistenza CRR e quindi del fattore di sicurezza.

$$1. \quad q_{c1N} = C_N \cdot \frac{q_c}{p_a}$$

$$C_N = \left(\frac{p_a}{\sigma'_{v0}} \right)^m \leq 1.7$$

$$m = 1.338 - 0.249 \cdot (q_{c1Ncs})^{0.264} \quad \text{con } 21 \leq q_{c1Ncs} \leq 254$$

(q_{c1Ncs} è definito al punto 2 e m è determinato per via iterativa; p_a è la pressione atmosferica)

$$2. \quad q_{c1Ncs} = q_{c1N} + \Delta q_{c1N}$$

$$\Delta q_{c1N} = \left(11.9 + \frac{q_{c1N}}{14.6} \right) \cdot \exp \left[1.63 - \frac{9.7}{FC + 2} - \left(\frac{15.7}{FC + 2} \right)^2 \right]$$

FC è il contenuto di fine espresso in %. In assenza di dati specifici per il sito, FC può essere stimato con l'espressione empirica²:

$$FC = 80 I_c - 137$$

in cui I_c è l'indice di classificazione del terreno da prova CPT proposto da Robertson (1990):

$$I_c = \sqrt{(\log F + 1.22)^2 + (\log Q_n - 3.47)^2}$$

con

$$F = \frac{f_s}{q_c - \sigma_{v0}} \cdot 100$$

$$Q_n = \left(\frac{q_c - \sigma_{v0}}{p_a} \right) \cdot \left(\frac{p_a}{\sigma'_{v0}} \right)^m$$

$$3. \quad CRR = \exp \left[\frac{q_{c1Ncs}}{113} + \left(\frac{q_{c1Ncs}}{1000} \right)^2 - \left(\frac{q_{c1Ncs}}{140} \right)^3 + \left(\frac{q_{c1Ncs}}{137} \right)^4 - 2.80 \right]$$

$$4. \quad MSF = 1 + (MSF \left[8.64 \exp \left(\frac{-M}{4} \right) - 1.325 \right])_{max}$$

$$MSF \left(\frac{q_{c1Ncs}}{180} \right)^3_{max}$$

² L'espressione deriva dalla seguente correlazione tra I_c e FC proposta da Boulanger e Idriss (2014):

$I_c = [(FC+137)/80] - C_{FC}$ dove $(-C_{FC})$ è l'errore che, per il set di dati utilizzato dagli Autori, presenta media nulla e deviazione standard 0.29.

Qualora si disponga di dati specifici per il sito, il parametro C_{FC} può essere appositamente calibrato mantenendo la stessa forma funzionale (lineare) della suddetta correlazione, o forme funzionali differenti.

In mancanza di dati specifici per il sito, è lecito invece determinare FC dalla curva di regressione media ottenuta da Boulanger e Idriss (2014), ovvero assumere nella suddetta correlazione $C_{FC}=0$.

$$5. K_{\sigma} = 1 - C_{\sigma} \cdot \ln\left(\frac{\sigma'_v}{P_a}\right) \leq 1.0$$

$$C_{\sigma} = \frac{1}{37.3 - 8.27(q_{c1Ncs})^{0.264}} \leq 0.3$$

$$6. CSR = 0.65 \cdot \frac{a_{max}}{g} \cdot \frac{\sigma_{v0}}{\sigma'_{vn}} \cdot r_d$$

$$r_d = \exp[\alpha(z) + \beta(z) \cdot M]$$

$$\alpha(z) = -1.012 - 1.126 \cdot \text{sen}\left(\frac{z}{11.73} + 5.133\right)$$

$$\beta(z) = 0.106 + 0.118 \cdot \text{sen}\left(\frac{z}{11.28} + 5.142\right)$$

$$7. F_L = \frac{CRR_{M=7.5, \sigma'_v=1atm}}{CSR} \cdot MSF \cdot K_{\sigma}$$

Nelle equazioni precedenti M è la magnitudo momento del terremoto di riferimento.

La curva CRR – q_{c1Ncs} è mostrata in Figura 2b.

Il metodo di Boulanger & Idriss 2014, a rigore, andrebbe utilizzato nel modo di seguito esposto. La pubblicazione originale degli autori indica che il contenuto in fine v'è stimato con questa formula (**FIGURA 7**):

For the present study, the relationship for estimating FC was developed by first regressing I_c against FC using the combined data sets in Figure 2.10 to obtain the least-squares fit,

$$I_c = \frac{(FC + 137)}{80} + \varepsilon \quad (2.29)$$

where ε = an error term, which was found to have a mean of 0 and a standard deviation of 0.29 and be unbiased against FC. This equation can then be inverted to provide the following form for estimating FC,

$$FC = 80(I_c + C_{FC}) - 137 \quad (2.30)$$

$0\% \leq FC \leq 100\%$

where C_{FC} is a fitting parameter that can be adjusted based on site-specific data when available. The sign convention for C_{FC} is set opposite to that for the error term ε in Equation 2.29 so that a positive C_{FC} corresponds to a larger estimate of FC. The regression of I_c against FC was preferred over regressing FC directly against I_c because this is a calibration or inverse regression problem (e.g., Draper and Smith 1998). This expression with $C_{FC} = 0.0$, -0.29 , and 0.29 (i.e., +/- an amount equal to the standard deviation in the general correlation) is shown in Figure 2.11. The curves envelope approximately 2/3 of the data points, as expected. The term C_{FC} can be calibrated to site specific data by regressing I_c against FC using the equation,

$$I_c = \frac{(FC + 137)}{80} - C_{FC} \quad (2.31)$$

FIGURA 7

La Deliberazione della Giunta Regionale 12 aprile 2021, N. 476 riporta la formula per la stima del contenuto in fine, in modo parziale (**FIGURA 8**):

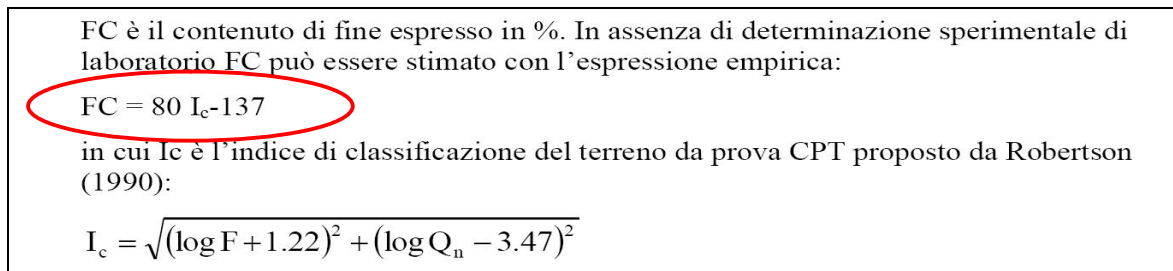


FIGURA 8

Nelle note a fondo pagina è indicato (FIGURA 9):

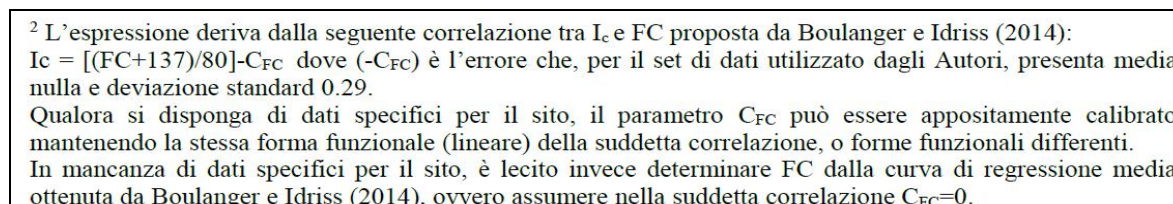


FIGURA 9

L'importanza di stimare il fattore di correzione del contenuto in fine C_{FC} sembra fondamentale per gli autori, al fine di utilizzare il loro metodo, Boulanger & Idriss 2014.

La stima del C_{FC} andrebbe fatta per ogni verticale di indagine, laddove si siano incontrate delle sabbie. Questo implementerebbe i costi degli studi, per via dei sondaggi necessarie e delle analisi granulometriche di laboratorio geotecnico.

Per il calcolo dell'indice di liquefazione, è stata considerata una accelerazione di progetto P.G.A. secondo l'analisi specifica di R.S.L. condotta, pari a 0,14g.

La Magnitudo di progetto è stata considerata pari a $M_w=5,50$, come indicato negli studi di MZ del Comune di Fiscaglia.

Il fattore di sicurezza richiesto dalla normativa regionale è in questo caso $F_L=1,2$.

In **Tabella 7** sono riportati i valori stimati dell'indice del potenziale di liquefazione per le 6 verticali indagate.

Prova	Potenziale Liquefazione I_{PL}
CPTU1 U82-13	0,15
SCPTU2 U82-13	0,04
CPTU3 U82-13	0,70
CPTU1 U14-22	0,56
CPTU2 U14-22	0,15
CPTU1 U43-25	0,05

Tabella 7 – Indice potenziale liquefazione calcolato

L'area si può considerare stabile, da punto di vista dell'effetto di sito della liquefazione delle sabbie.

Sono stati stimati i cedimenti postsismici nei banchi sabbiosi rilevati con le 6 prove penetrometriche statiche con punta elettrica e piezocono.

Del calcolo completo dei cedimenti post sismici si riporta solo il risultato finale.

Prova	Potenziale Liquefazione IPL
CPTU1 U82-13	2,36
SCPTU2 U82-13	1,06
CPTU3 U82-13	3,79
CPTU1 U14-22	5,04
CPTU2 U14-22	1,04
CPTU1 U43-25	0,63

Tabella 8 – Cedimenti post-sismici

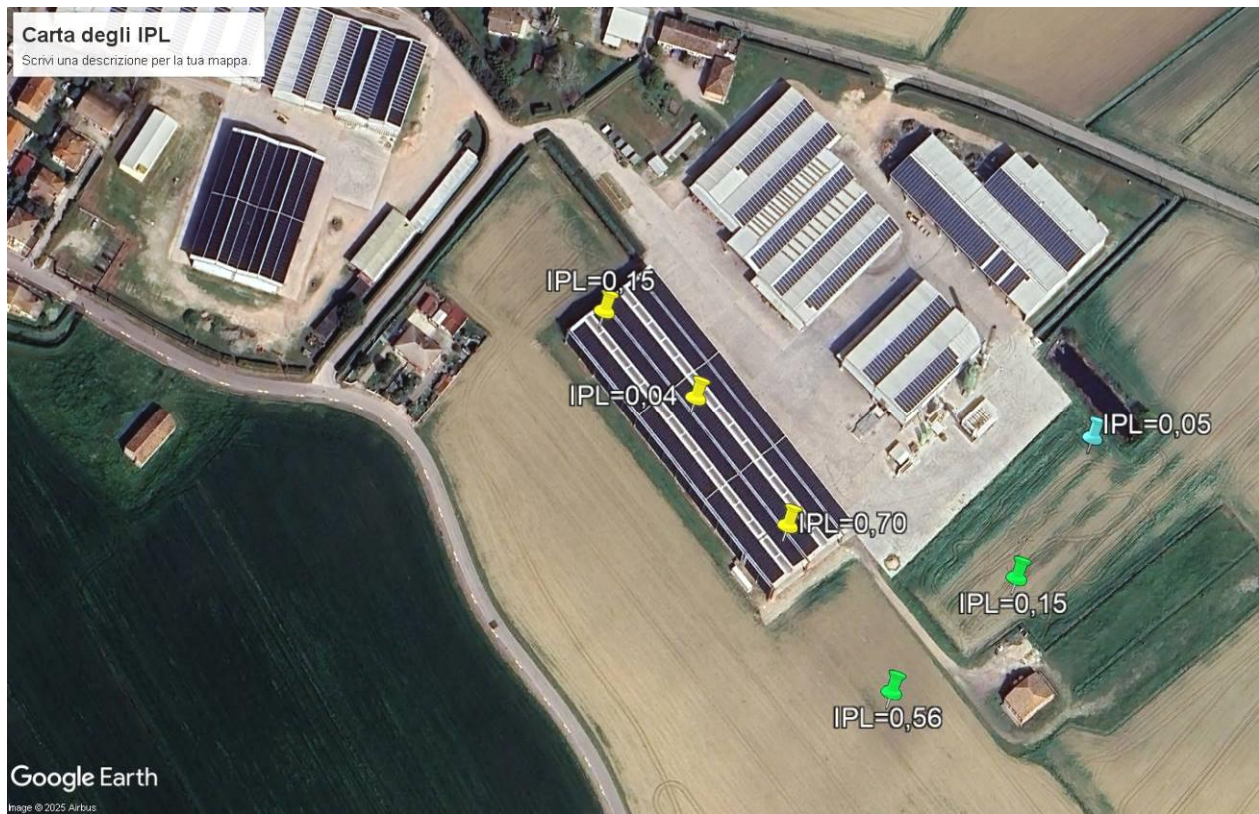


FIGURA 9 - *Carta dell'indice del potenziale di liquefazione*

4. SINTESI DEI RISULTATI SUL RISCHIO DI LIQUEFAZIONE

- A) L'analisi sul rischio di liquefazione condotta ai sensi delle NTC 2018, unico riferimento normativo per la progettazione esecutiva delle opere, porta a verificare la stabilità delle sabbie sature presenti con azioni sismiche in superficie pari a **PGA=0,19g** (ovvero $a_g \times F.A. = 0,107g \times 1,80 = 0,192g$). La procedura utilizzata per la valutazione della resistenza alla liquefazione è quella secondo il metodo **Robertson 2009**. Il fattore di sicurezza utilizzato è $F_L = 1$. Con queste condizioni di sforzo ciclico di taglio indotto dal sisma di progetto non emergono problematiche inerenti la liquefazione delle sabbie e l'area va considerata stabile (**Rischio di liquefazione nullo**).
- B) Per la variante urbanistica in corso per poter realizzare l'opera di progetto, occorre fare le valutazioni previste dalla D.G.R. 476/2021, ove le azioni sismiche calcolate attraverso gli studi specialistici di analisi di risposta sismica locale R.S.L. a cui si perviene risultano essere pari a **PGA=0,107g x 1,34 = 0,143g \approx 0,14g**. Per il calcolo del IPL si utilizza un fattore di sicurezza alla liquefazione pari a $F_L = 1,2$. La procedura utilizzata per la valutazione della resistenza alla liquefazione è quella secondo il metodo **Boulanger & Idriss 2014**. Con questi dati di input si perviene al medesimo risultato ovvero che nel sito allo studio non emergono problematiche inerenti la liquefazione delle sabbie e l'area va considerata stabile (**Rischio di liquefazione basso**).

Nel III livello di approfondimento le analisi sono pervenute alla conclusione che pur essendoci i caratteri predisponenti (I livello di approfondimento), già le cause scatenanti per eventi con tempo di ritorno di 475 anni erano poco significative per indurre liquefazione (II livello di approfondimento), ma le analisi di risposta sismica locale e geotecniche hanno dimostrato definitivamente che le resistenze dei terreni (CRR) alle sollecitazioni di taglio indotte dal sisma di progetto (CSR) sono più che sufficienti per non dare origine a liquefazione, e quindi per non andare incontro a instabilità per liquefazione (III livello di approfondimento), quindi il retino dell'instabilità 3050 per liquefazione presente nelle tavole di I e II livello non è più necessario; il **III livello di approfondimento dimostra che l'area è stabile**.

L'area quindi può essere considerata stabile, dal punto di vista del rischio di liquefazione.

Le problematiche geologiche principali dell'area sono di carattere geotecnico per la scarsa resistenza al taglio di diversi strati qui rilevati, all'interno del volume significativo dell'opera di progetto. Tali strati hanno anche propensione a comprimersi significativamente anche per modesti incrementi di pressione indotte dalle opere di progetto.

Codigoro, lì 23/12/2025

Dott. Geologo Thomas Veronese



SEGUE IN ALLEGATO LA RELAZIONE DI CALCOLO DELLA RISPOSTA SISMICA LOCALE.

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LIQUEFACTION ANALYSIS REPORT

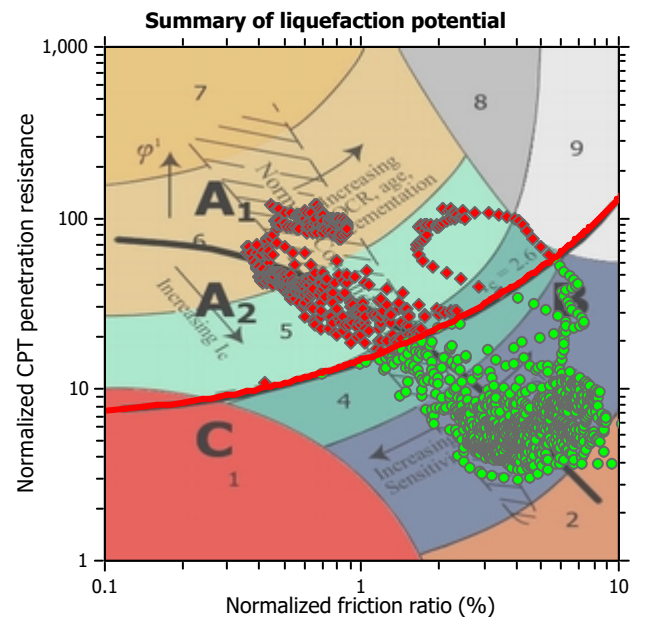
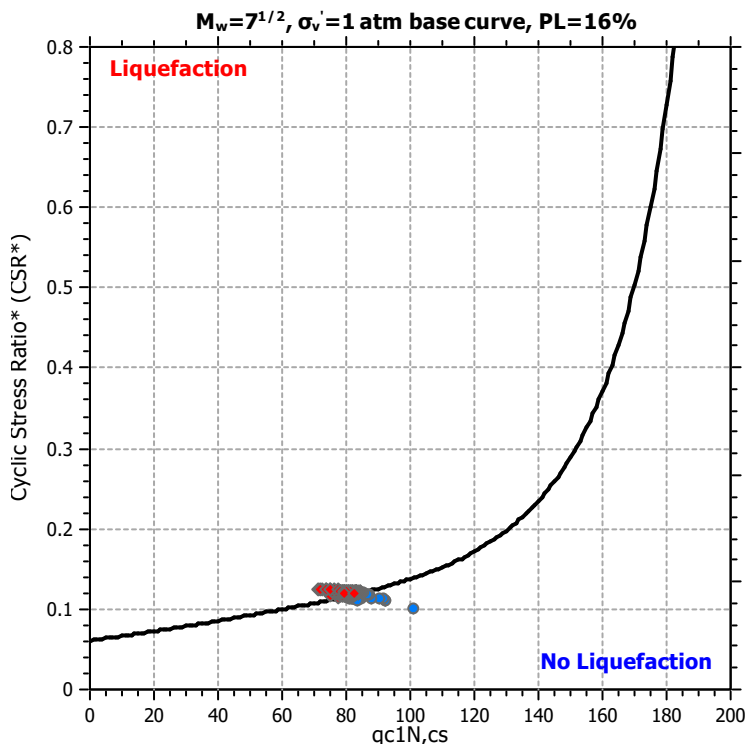
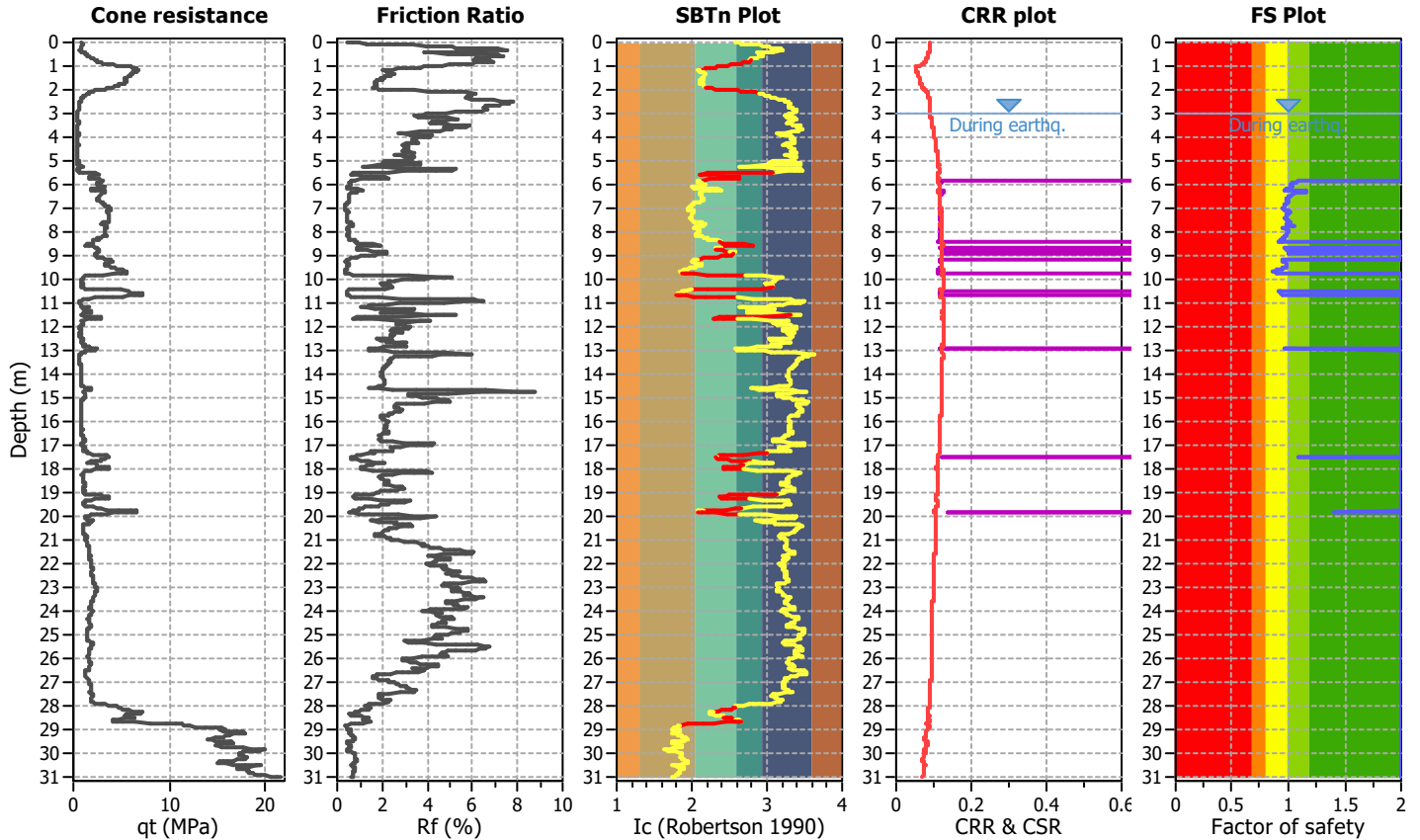
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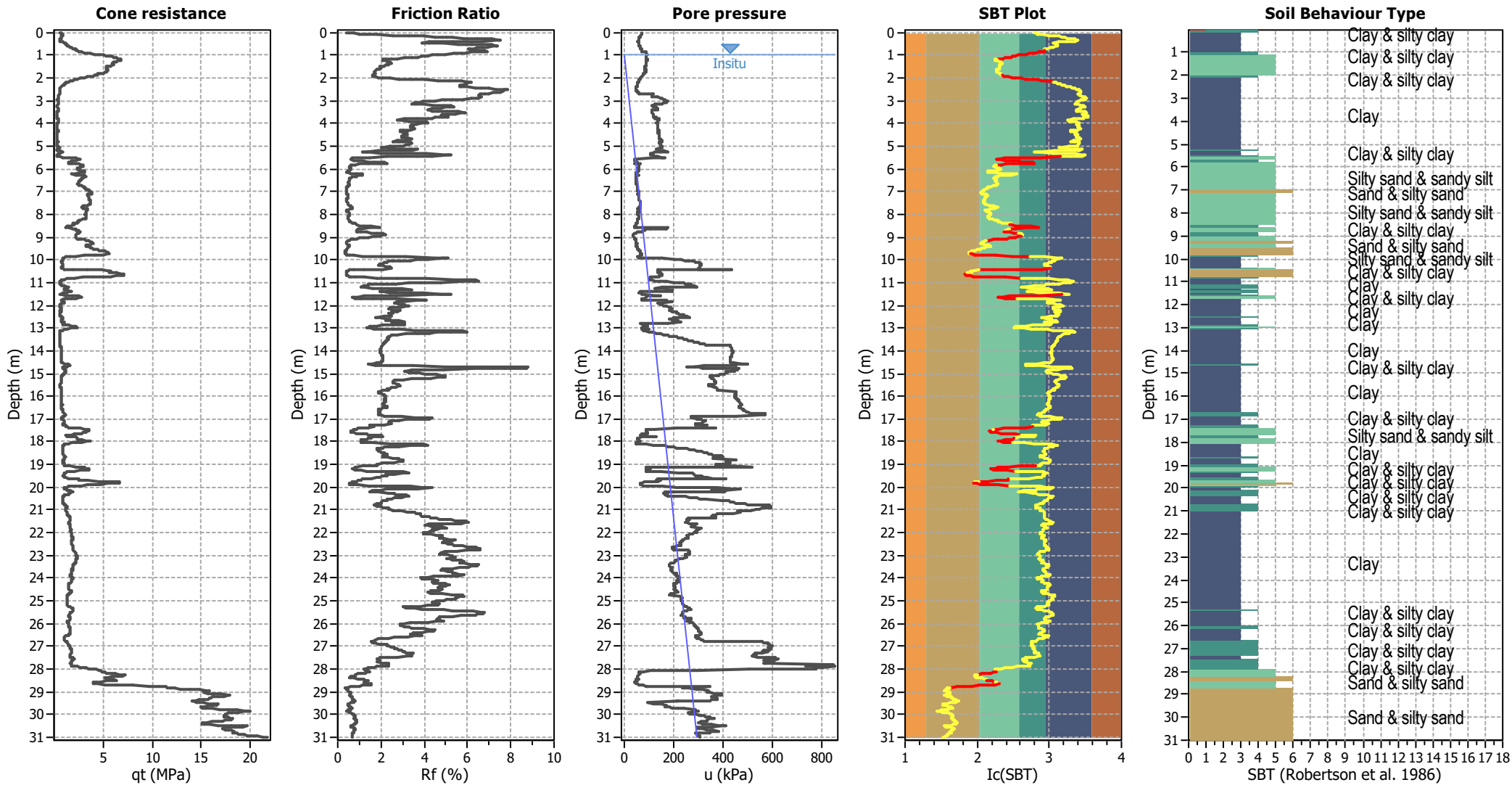
Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	1.00 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	3.00 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	5.50	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	Limit depth:	20.00 m
Peak ground acceleration:	0.14	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	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



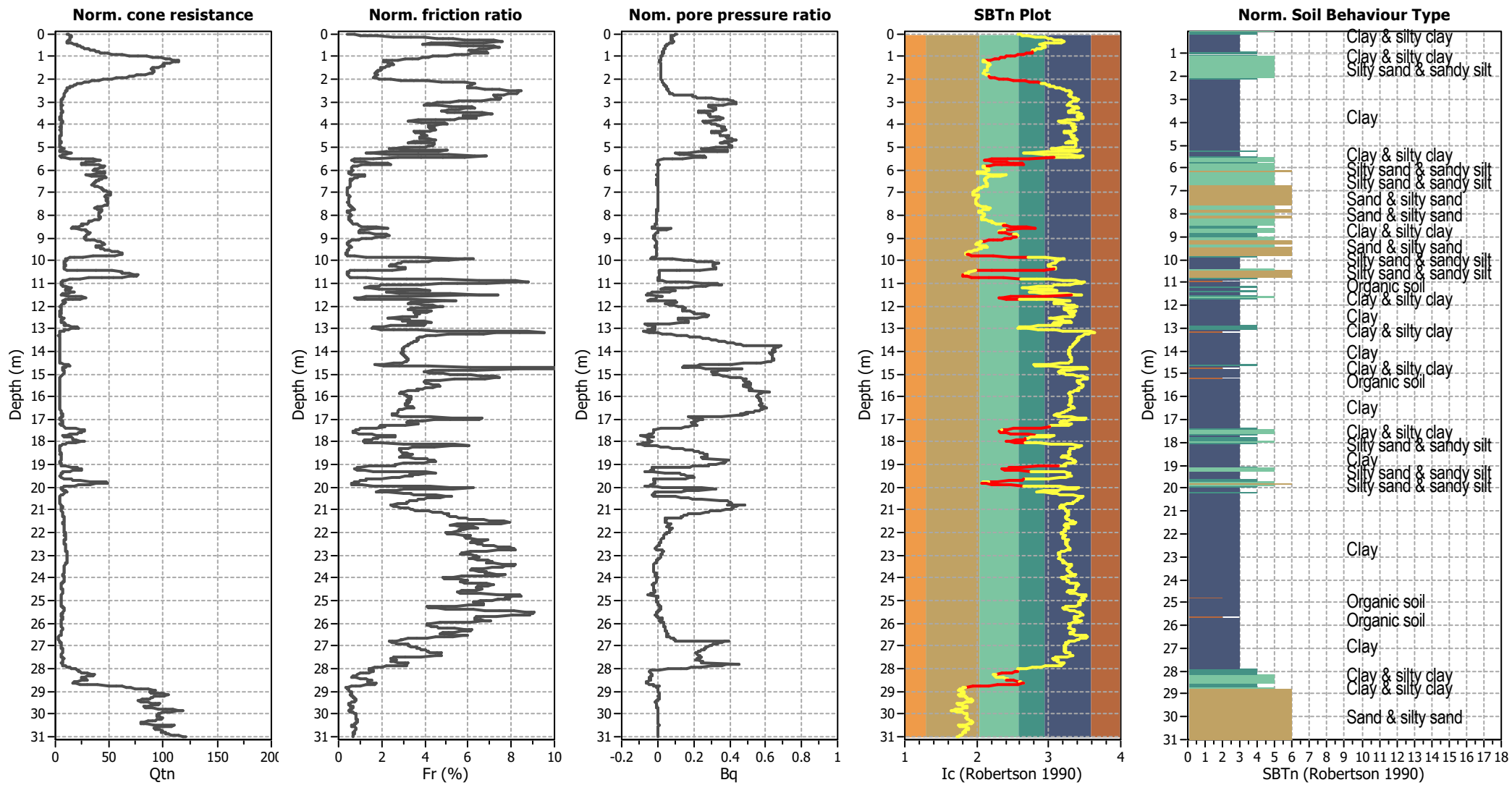
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K ₀ applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.00 m	Fill height:	N/A	Limit depth:	20.00 m

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)



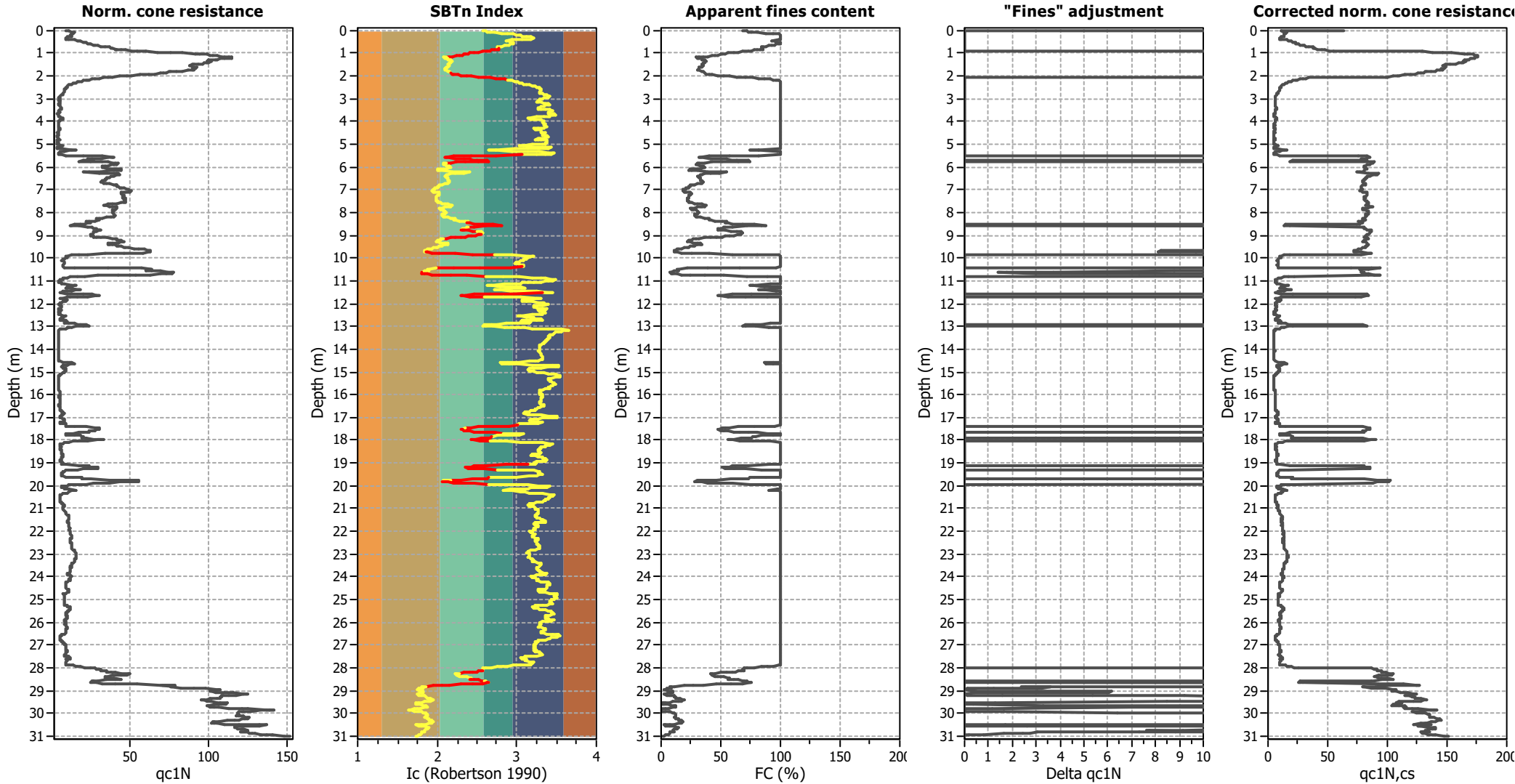
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on I_c value	I_c cut-off value:	2.60	K_o applied:	Yes
Earthquake magnitude M_w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.00 m	Fill height:	N/A	Limit depth:	20.00 m

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

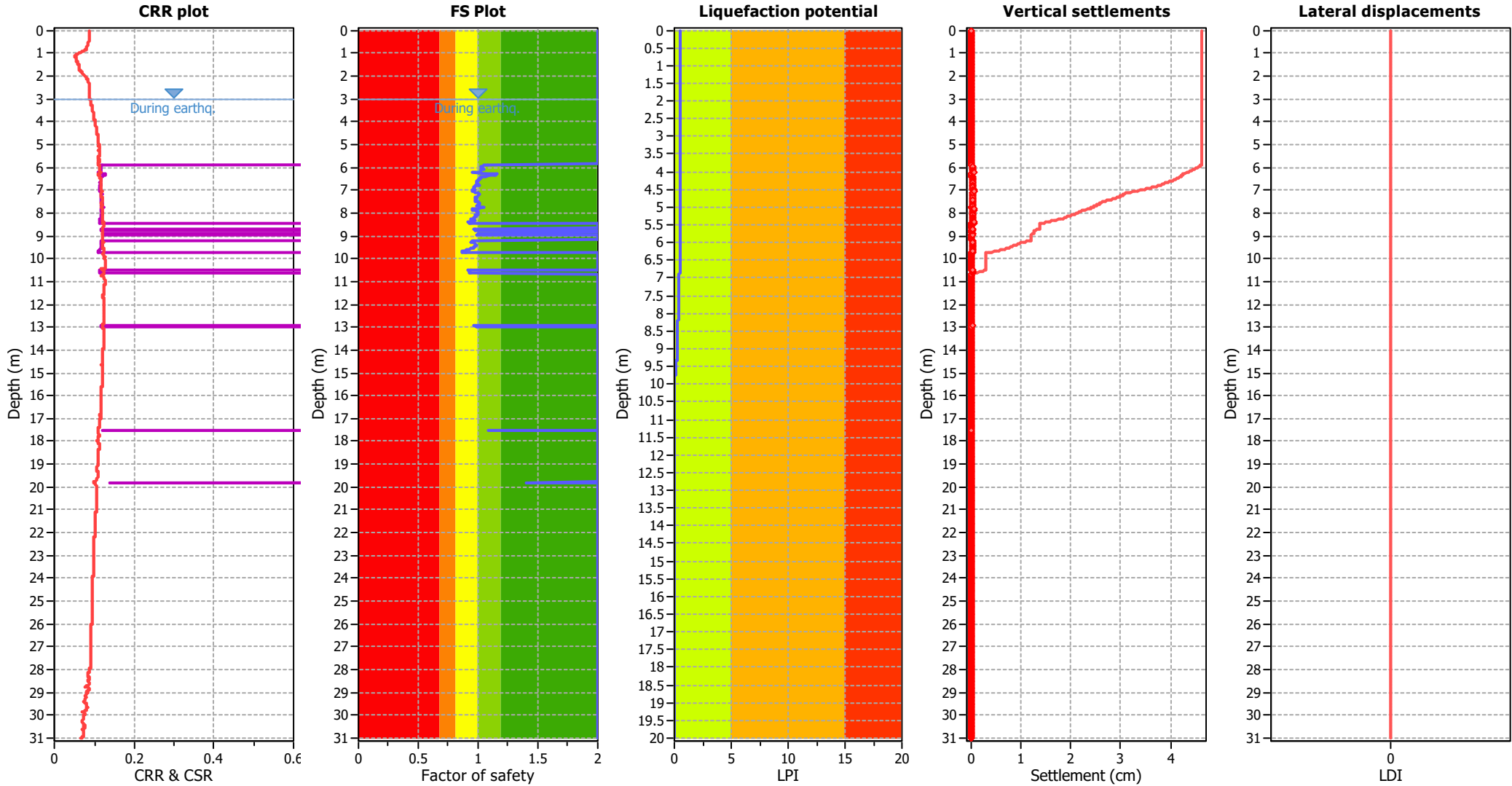
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on I_c value	I_c cut-off value:	2.60	K_{σ} applied:	Yes
Earthquake magnitude M_w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (earthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_s applied:	Yes
Earthquake magnitude M_w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.00 m	Fill height:	N/A	Limit depth:	20.00 m

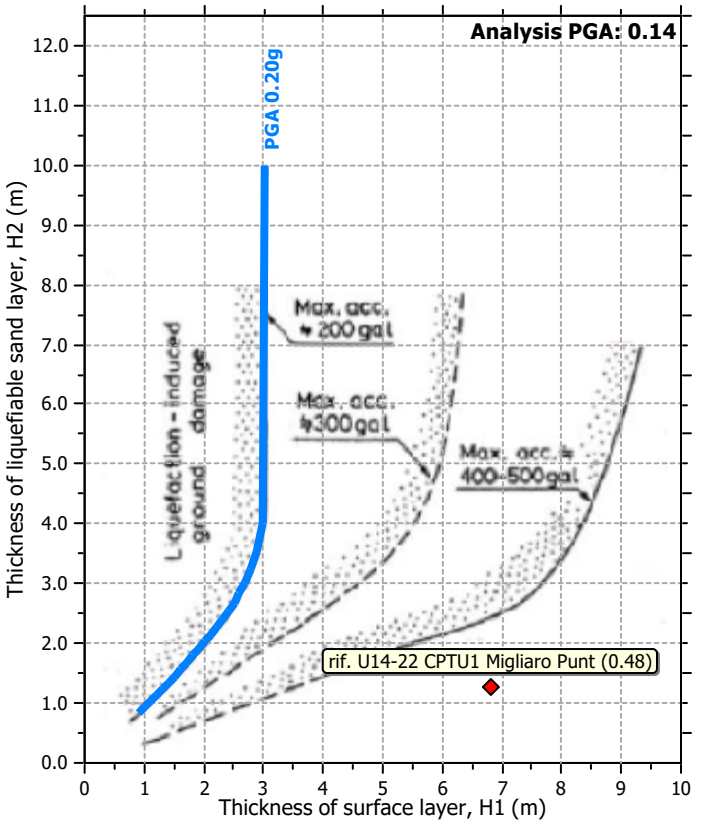
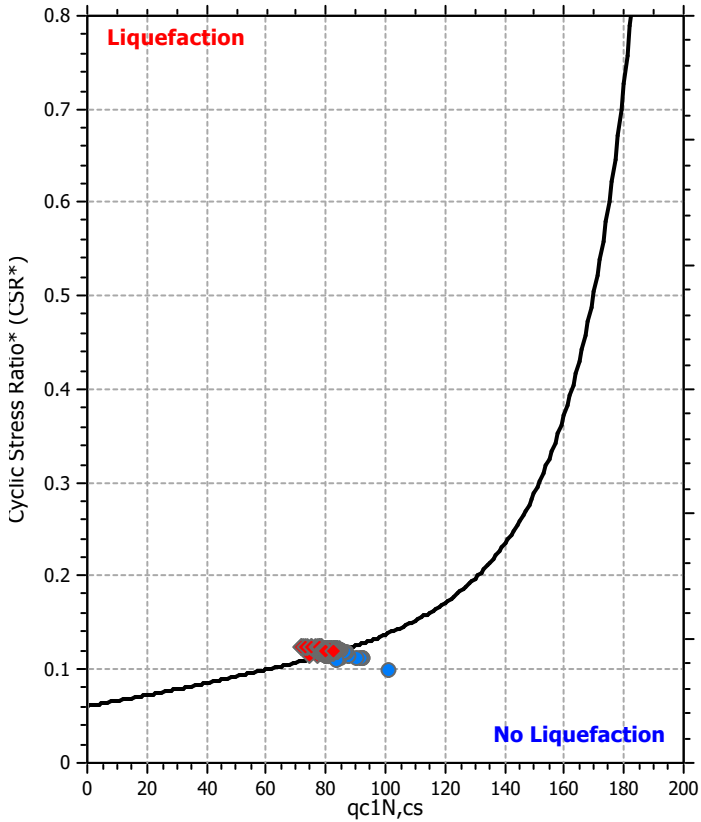
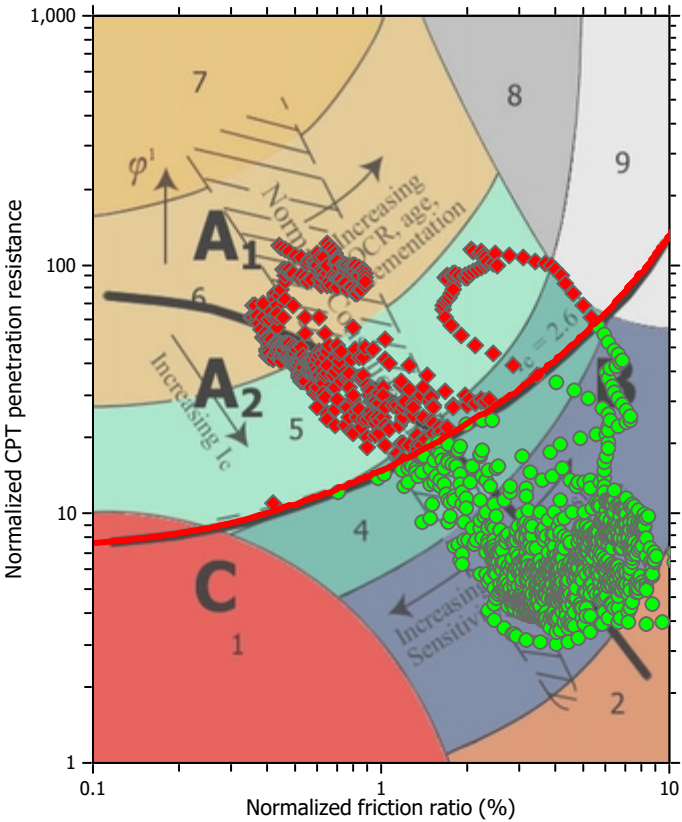
F.S. color scheme

Red	Almost certain it will liquefy
Orange	Very likely to liquefy
Yellow	Liquefaction and no liq. are equally likely
Light green	Unlike to liquefy
Dark green	Almost certain it will not liquefy

LPI color scheme

Red	Very high risk
Orange	High risk
Yellow	Low risk

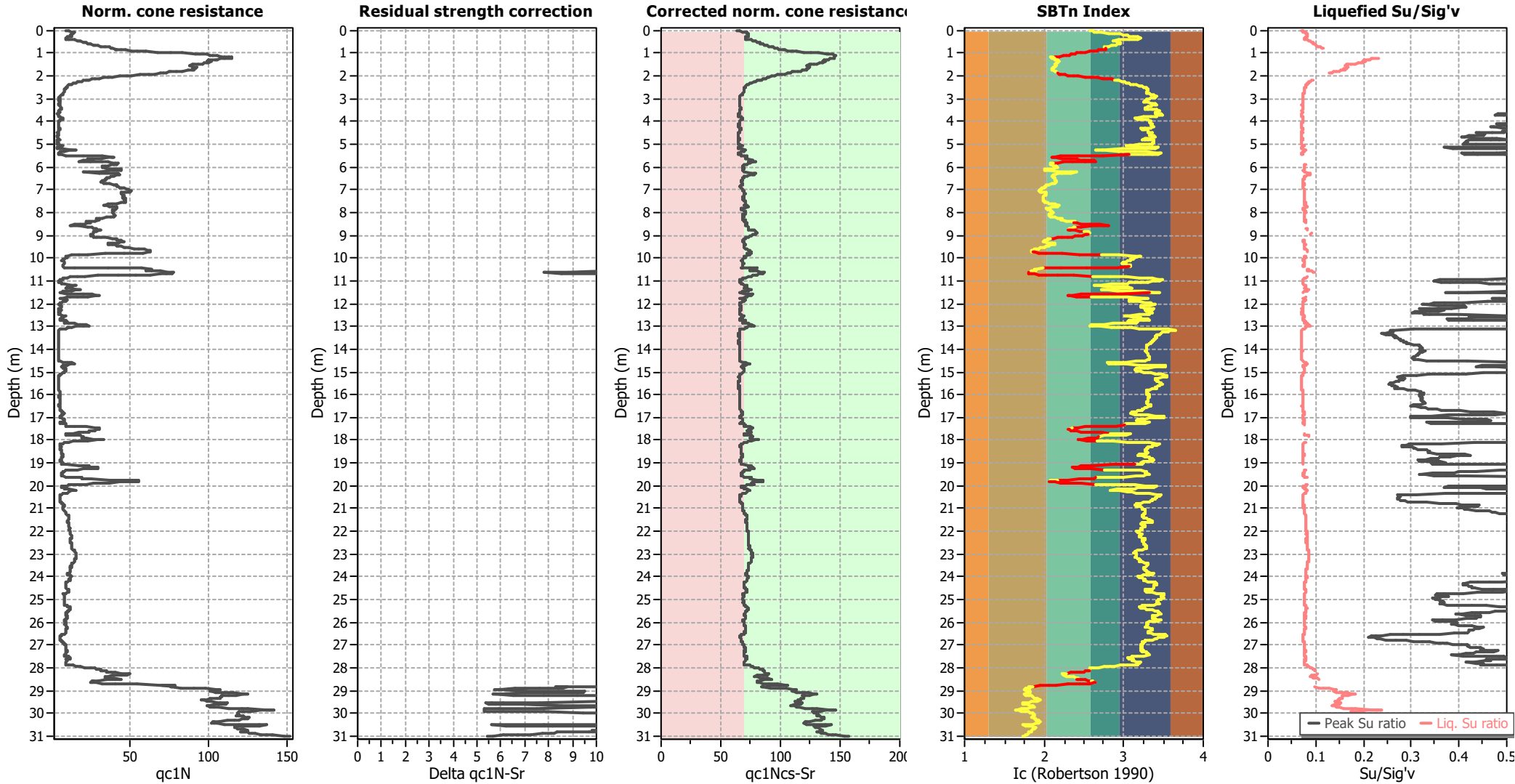
Liquefaction analysis summary plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on I_c value	I_c cut-off value:	2.60	K_{ϕ} applied:	Yes
Earthquake magnitude M_w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.00 m	Fill height:	N/A	Limit depth:	20.00 m

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _s applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.00 m	Fill height:	N/A	Limit depth:	20.00 m

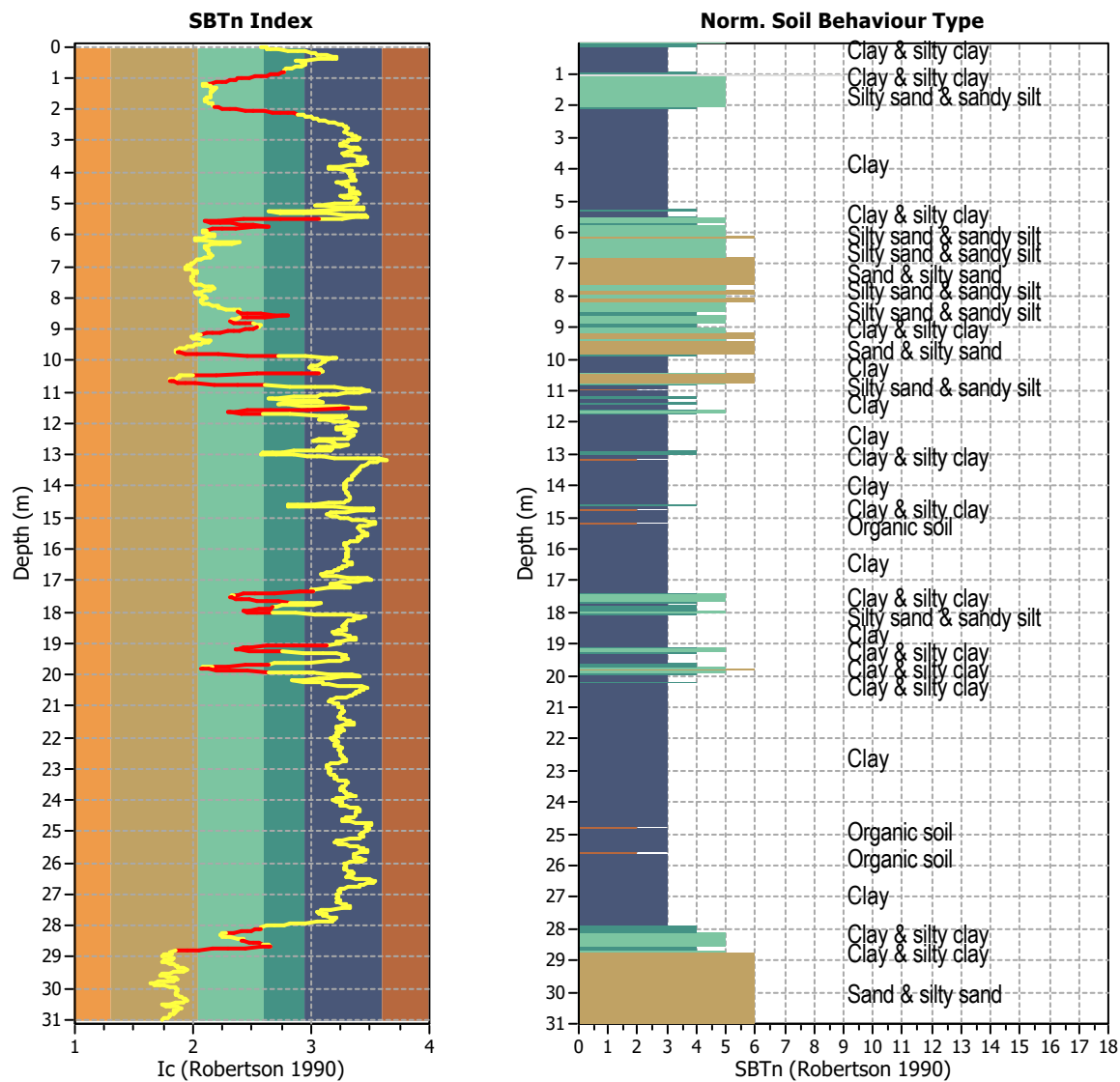
TRANSITION LAYER DETECTION ALGORITHM REPORT

Summary Details & Plots

Short description

The software will delete data when the cone is in transition from either clay to sand or vise-versa. To do this the software requires a range of I_c values over which the transition will be defined (typically somewhere between $1.80 < I_c < 3.0$) and a rate of change of I_c . Transitions typically occur when the rate of change of I_c is fast (i.e. ΔI_c is small).

The SBT_n plot below, displays in red the detected transition layers based on the parameters listed below the graphs.



Transition layer algorithm properties

I_c minimum check value:

1.70

I_c maximum check value:

3.00

I_c change ratio value:

0.0100

Minimum number of points in layer:

4

General statistics

Total points in CPT file:

1550

Total points excluded:

189

Exclusion percentage:

12.19%

Number of layers detected:

25

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	2.00	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	2.00	0.00	0.00	0.02	0.00	2.84	2.00	0.00	0.00	0.02	0.00
2.86	2.00	0.00	0.00	0.02	0.00	2.88	2.00	0.00	0.00	0.02	0.00
2.90	2.00	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.02	0.00	3.60	2.00	0.00	0.00	0.02	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.18	2.00	0.00	0.00	0.02	0.00	5.20	2.00	0.00	0.00	0.02	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	1.09	0.00	0.00	0.02	0.00
5.90	1.07	0.00	0.00	0.02	0.00	5.92	1.05	0.00	0.00	0.02	0.00
5.94	1.04	0.00	0.00	0.02	0.00	5.96	1.03	0.00	0.00	0.02	0.00
5.98	1.02	0.00	0.00	0.02	0.00	6.00	1.03	0.00	0.00	0.02	0.00
6.02	1.03	0.00	0.00	0.02	0.00	6.04	1.03	0.00	0.00	0.02	0.00
6.06	1.04	0.00	0.00	0.02	0.00	6.08	1.04	0.00	0.00	0.02	0.00
6.10	1.04	0.00	0.00	0.02	0.00	6.12	1.03	0.00	0.00	0.02	0.00
6.14	1.02	0.00	0.00	0.02	0.00	6.16	1.02	0.00	0.00	0.02	0.00
6.18	1.02	0.00	0.00	0.02	0.00	6.20	1.01	0.00	0.00	0.02	0.00
6.22	0.98	0.02	33059.81	0.02	0.00	6.24	0.96	0.04	85.71	0.02	0.01
6.26	1.06	0.00	0.00	0.02	0.00	6.28	1.16	0.00	0.00	0.02	0.00
6.30	1.16	0.00	0.00	0.02	0.00	6.32	1.15	0.00	0.00	0.02	0.00
6.34	1.13	0.00	0.00	0.02	0.00	6.36	1.09	0.00	0.00	0.02	0.00
6.38	1.06	0.00	0.00	0.02	0.00	6.40	1.04	0.00	0.00	0.02	0.00
6.42	1.03	0.00	0.00	0.02	0.00	6.44	1.03	0.00	0.00	0.02	0.00
6.46	1.03	0.00	0.00	0.02	0.00	6.48	1.02	0.00	0.00	0.02	0.00
6.50	1.01	0.00	0.00	0.02	0.00	6.52	1.01	0.00	0.00	0.02	0.00
6.54	1.01	0.00	0.00	0.02	0.00	6.56	1.00	0.00	0.00	0.02	0.00
6.58	1.00	0.00	732924032	0.02	0.00	6.60	1.00	0.00	251209100	0.02	0.00
6.62	0.99	0.01	32039765.38	0.02	0.00	6.64	0.98	0.02	78815.74	0.02	0.00
6.66	0.98	0.02	137272.37	0.02	0.00	6.68	0.98	0.02	221588.23	0.02	0.00
6.70	0.99	0.01	139461/6003.81	0.02	0.00	6.72	1.00	0.00	449771499	0.02	0.00
6.74	1.00	0.00	0.00	0.02	0.00	6.76	1.01	0.00	0.00	0.02	0.00
6.78	1.01	0.00	0.00	0.02	0.00	6.80	0.98	0.02	15643.61	0.02	0.00
6.82	0.98	0.02	16230.11	0.02	0.00	6.84	0.97	0.03	837.37	0.02	0.00
6.86	0.97	0.03	357.49	0.02	0.00	6.88	0.97	0.03	426.81	0.02	0.00
6.90	0.97	0.03	352.27	0.02	0.00	6.92	0.97	0.03	607.00	0.02	0.00
6.94	0.97	0.03	331.16	0.02	0.00	6.96	0.97	0.03	861.22	0.02	0.00
6.98	0.96	0.04	239.60	0.02	0.00	7.00	0.96	0.04	82.77	0.02	0.01
7.02	0.95	0.05	54.82	0.02	0.01	7.04	0.95	0.05	74.19	0.02	0.01
7.06	0.96	0.04	121.00	0.02	0.01	7.08	0.97	0.03	1091.60	0.02	0.00
7.10	0.98	0.02	18621.20	0.02	0.00	7.12	0.99	0.01	40665800.	0.02	0.00
7.14	1.00	0.00	0.00	0.02	0.00	7.16	1.01	0.00	0.00	0.02	0.00
7.18	1.01	0.00	0.00	0.02	0.00	7.20	1.01	0.00	0.00	0.02	0.00
7.22	1.00	0.00	0.00	0.02	0.00	7.24	1.00	0.00	0.00	0.02	0.00
7.26	1.00	0.00	444753397	0.02	0.00	7.28	0.99	0.01	41825871.59	0.02	0.00
7.30	0.98	0.02	369983.94	0.02	0.00	7.32	0.97	0.03	2324.12	0.02	0.00
7.34	0.98	0.02	3293.47	0.02	0.00	7.36	0.98	0.02	7581.47	0.02	0.00
7.38	0.98	0.02	264840.31	0.02	0.00	7.40	0.98	0.02	10816.52	0.02	0.00
7.42	0.97	0.03	920.60	0.02	0.00	7.44	0.97	0.03	1008.85	0.02	0.00
7.46	0.98	0.02	2943.19	0.02	0.00	7.48	0.98	0.02	27956.46	0.02	0.00
7.50	0.99	0.01	575185412	0.02	0.00	7.52	1.00	0.00	752168992	0.02	0.00
7.54	1.00	0.00	609855000	0.02	0.00	7.56	1.00	0.00	0.00	0.02	0.00
7.58	1.01	0.00	0.00	0.02	0.00	7.60	1.01	0.00	0.00	0.02	0.00
7.62	1.00	0.00	0.00	0.02	0.00						

LIQUEFACTION ANALYSIS REPORT

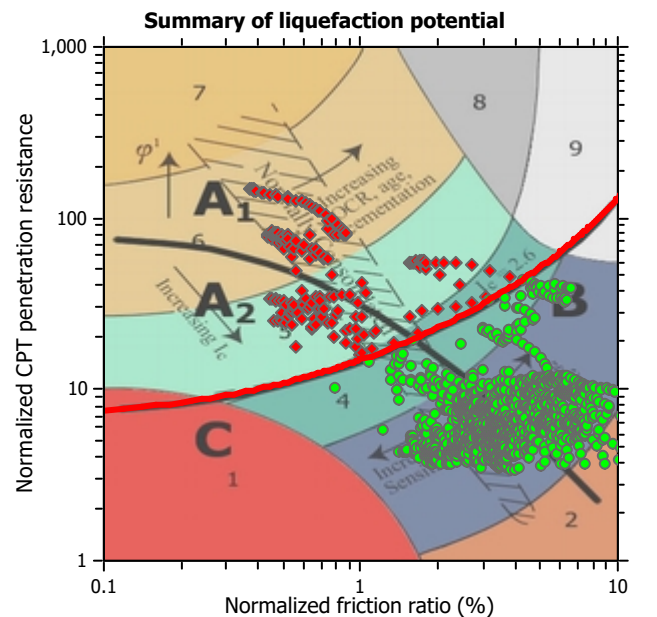
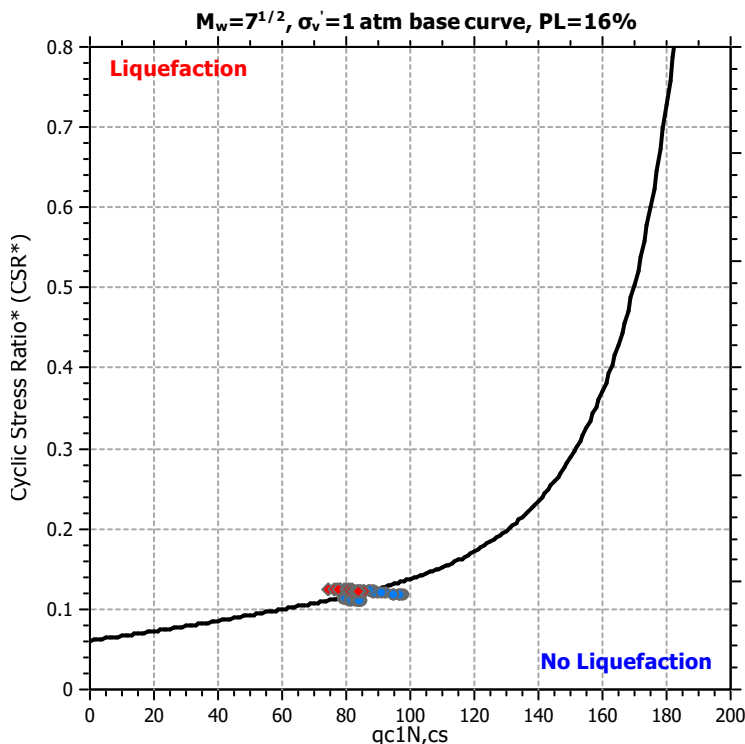
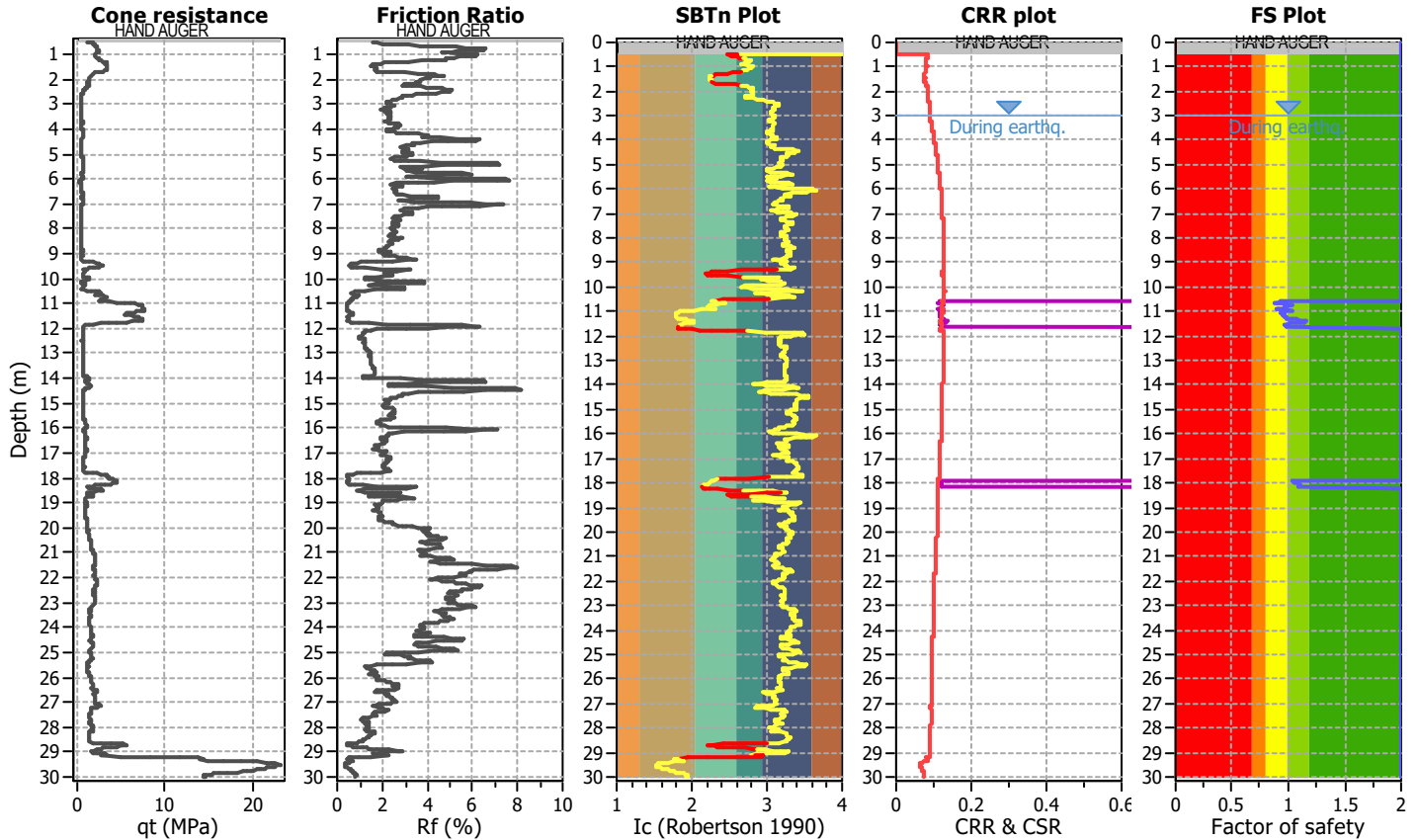
Project title :

Location :

CPT file : rif. U14-22 CPTU2 Migliaro Punt

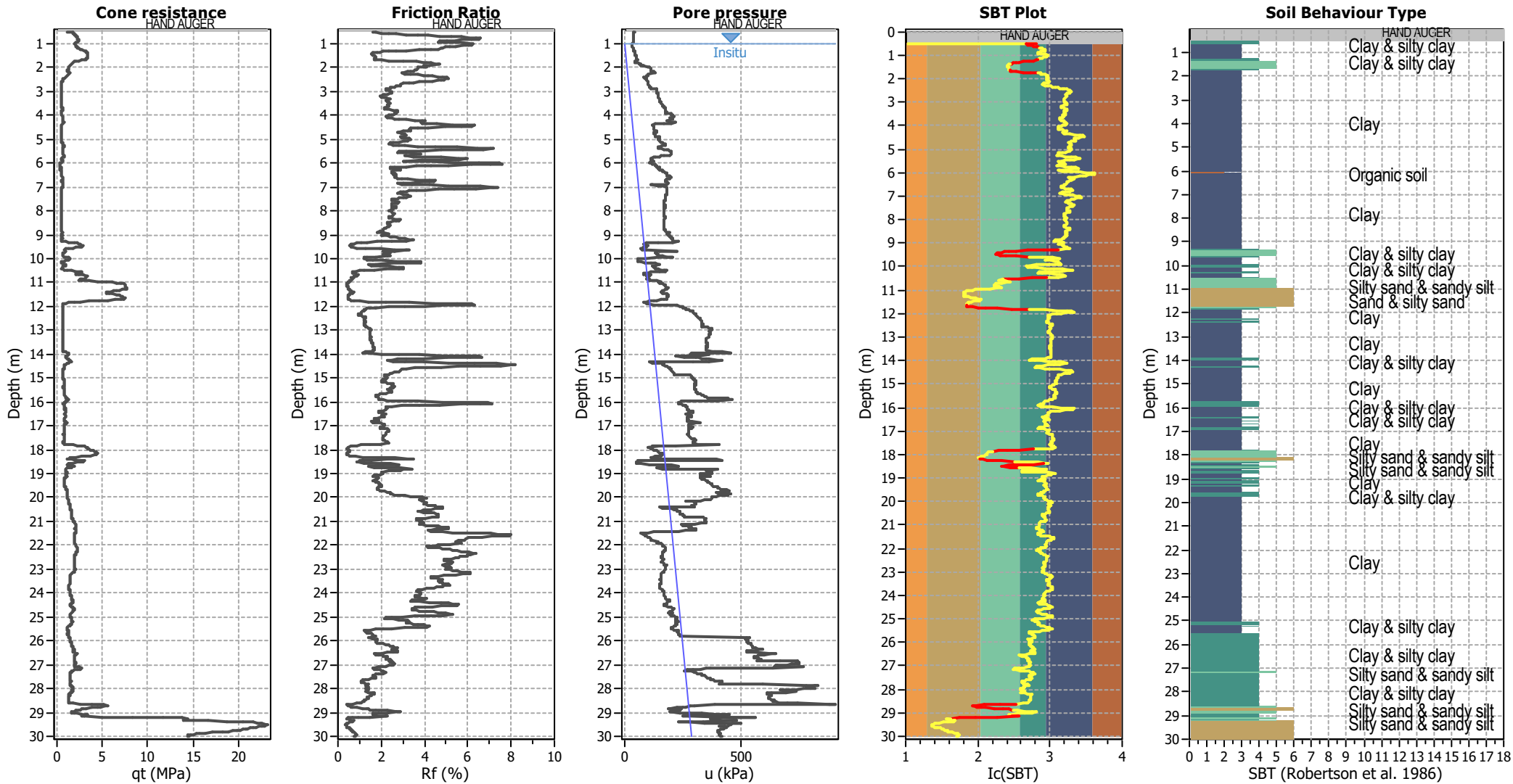
Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	1.00 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	3.00 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	5.50	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	Limit depth:	20.00 m
Peak ground acceleration:	0.14	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	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

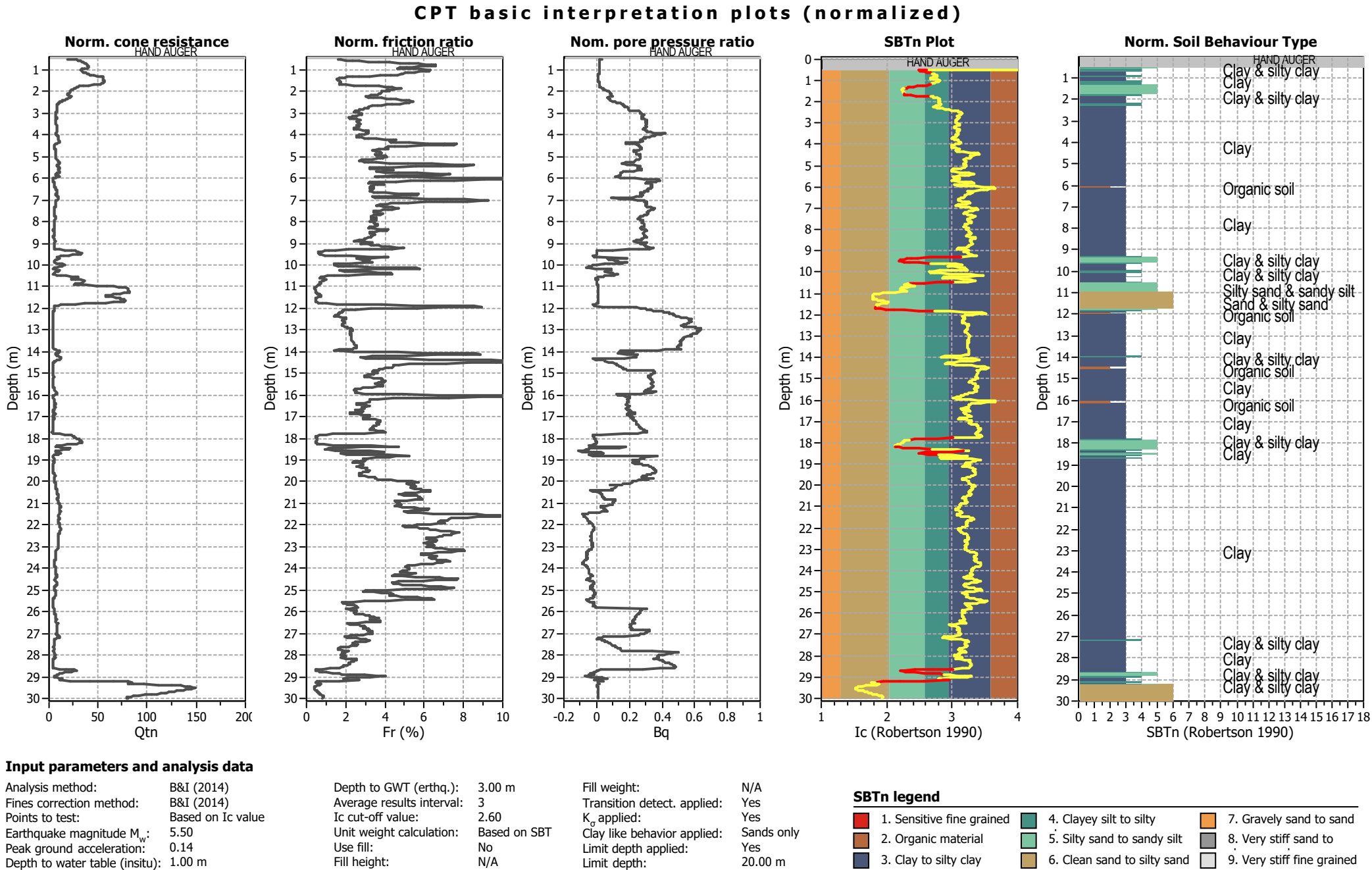


Input parameters and analysis data

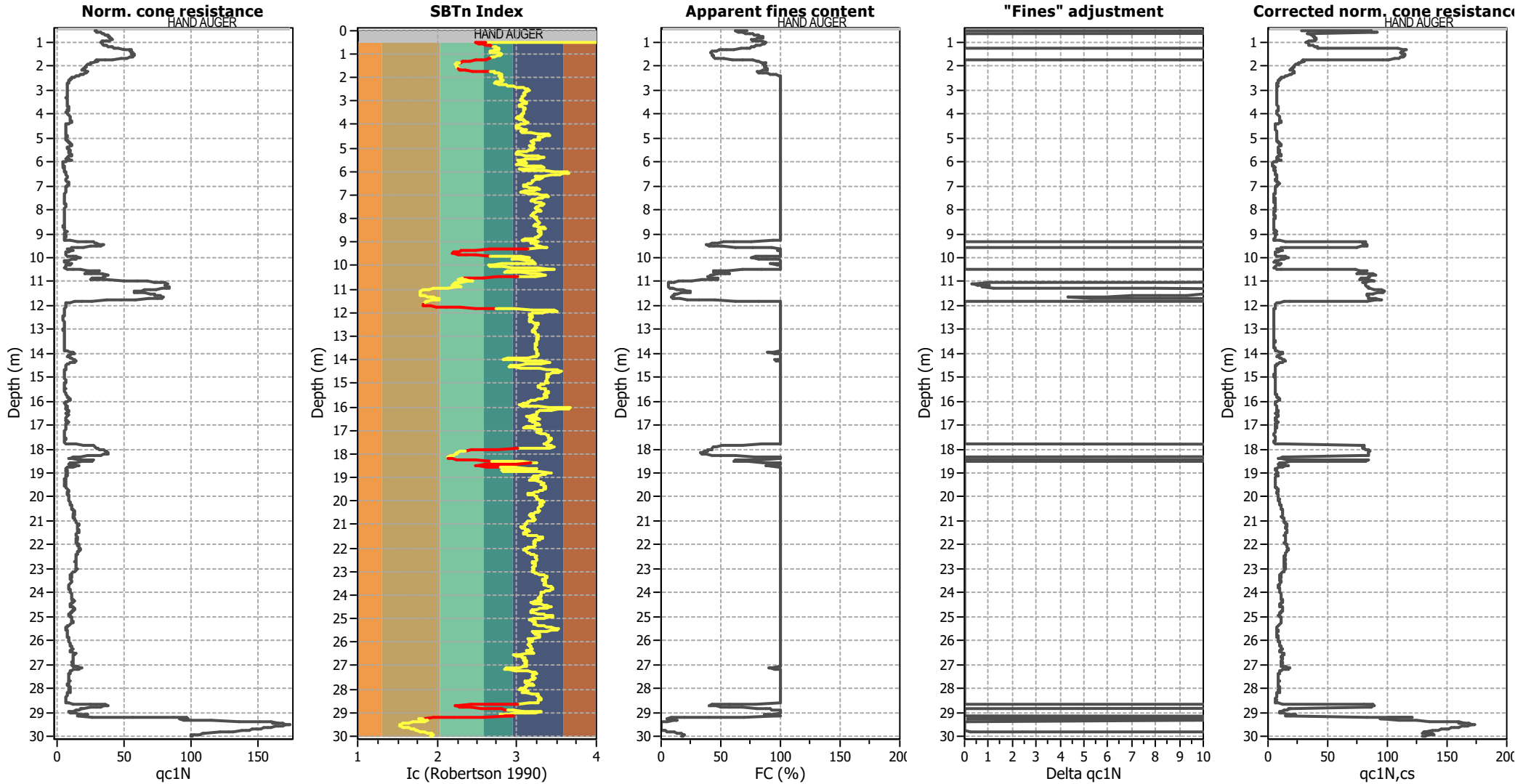
Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _o applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.00 m	Fill height:	N/A	Limit depth:	20.00 m

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



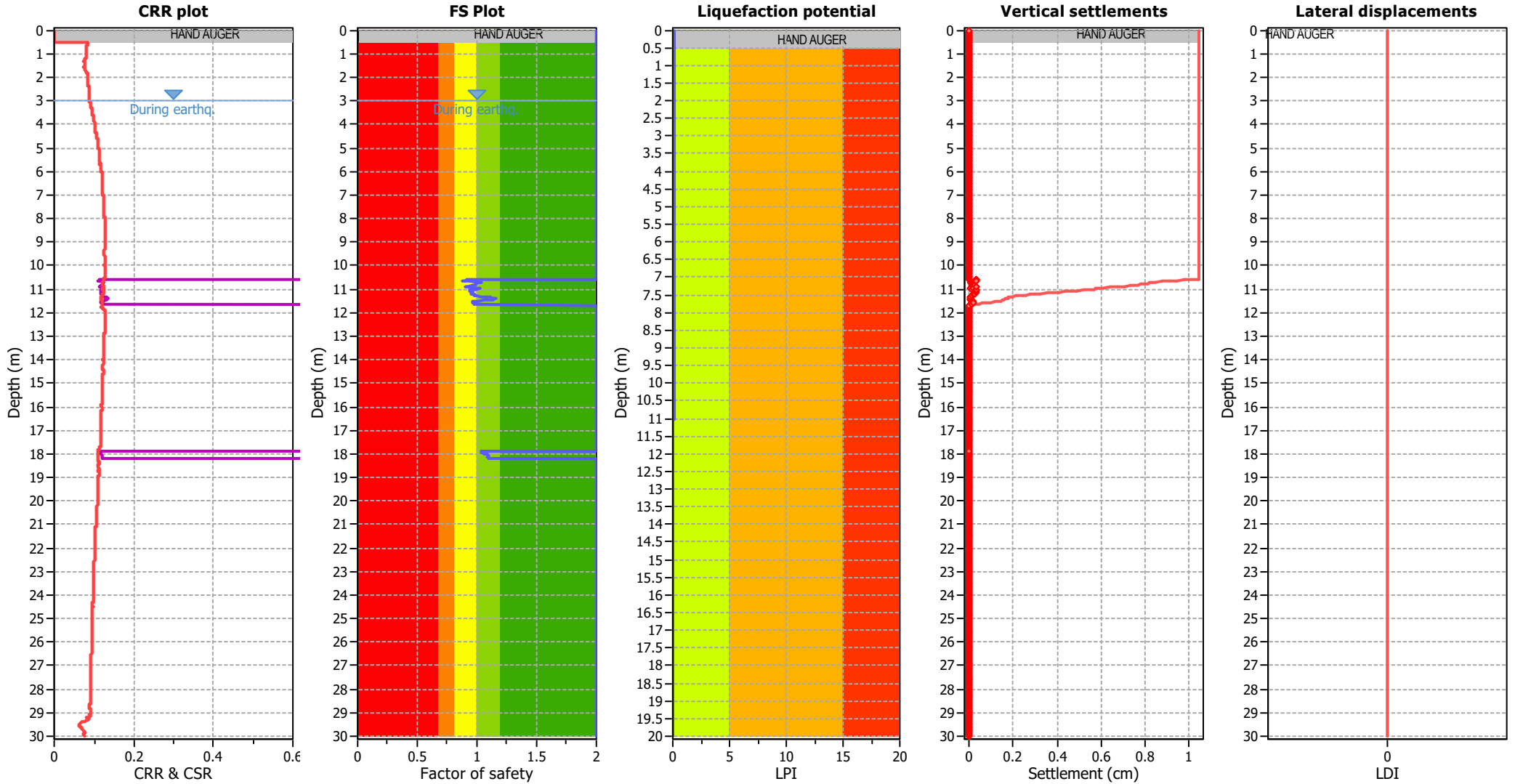
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _s applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (earthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _s applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.00 m	Fill height:	N/A	Limit depth:	20.00 m

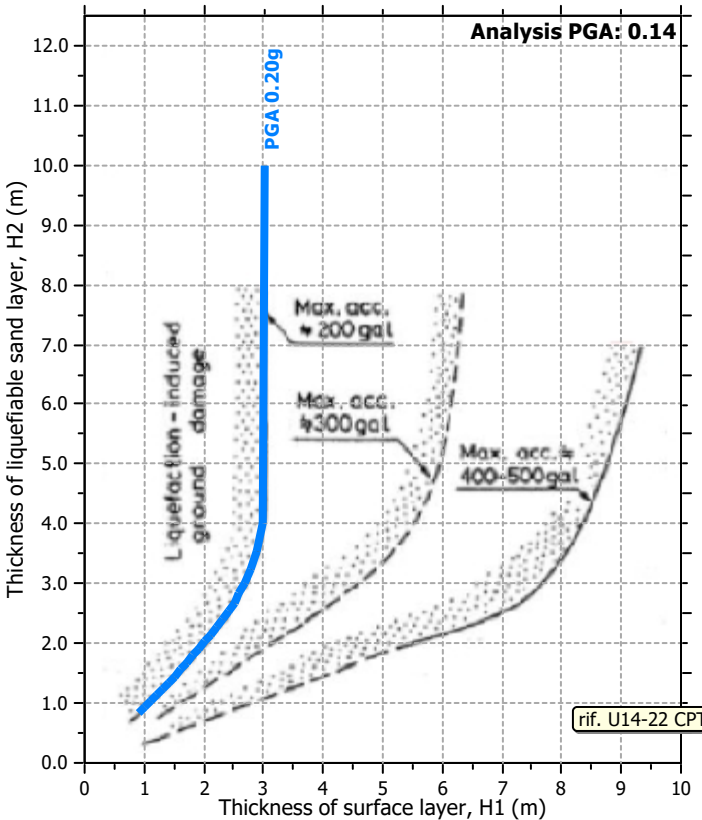
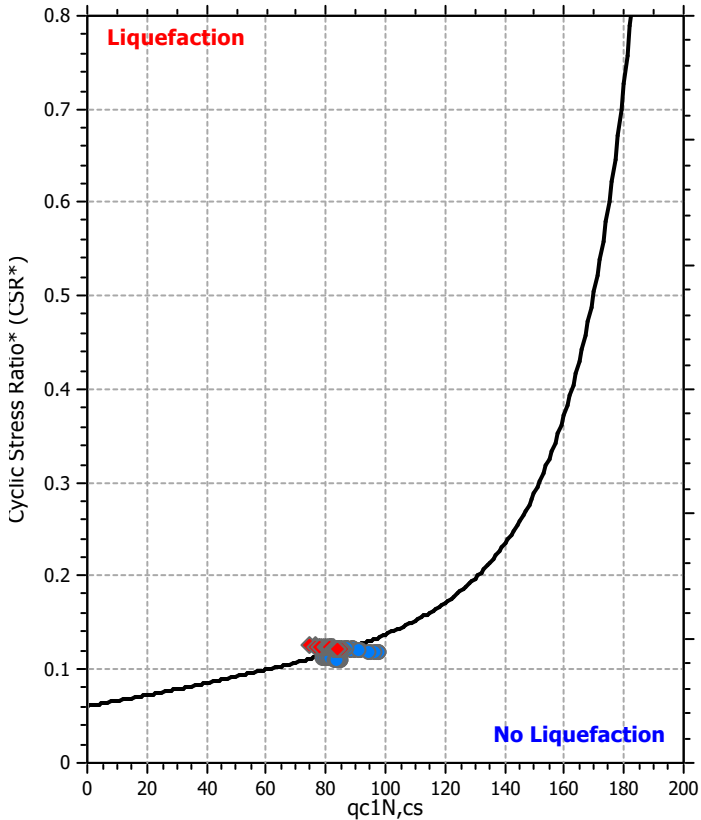
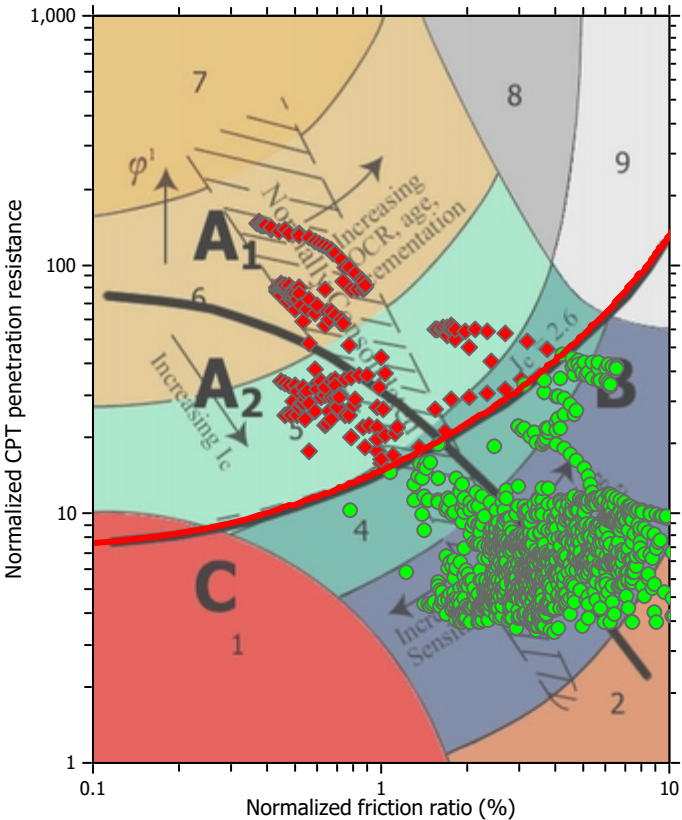
F.S. color scheme

Red	Almost certain it will liquefy
Orange	Very likely to liquefy
Yellow	Liquefaction and no liq. are equally likely
Green	Unlike to liquefy
Dark Green	Almost certain it will not liquefy

LPI color scheme

Red	Very high risk
Orange	High risk
Yellow	Low risk

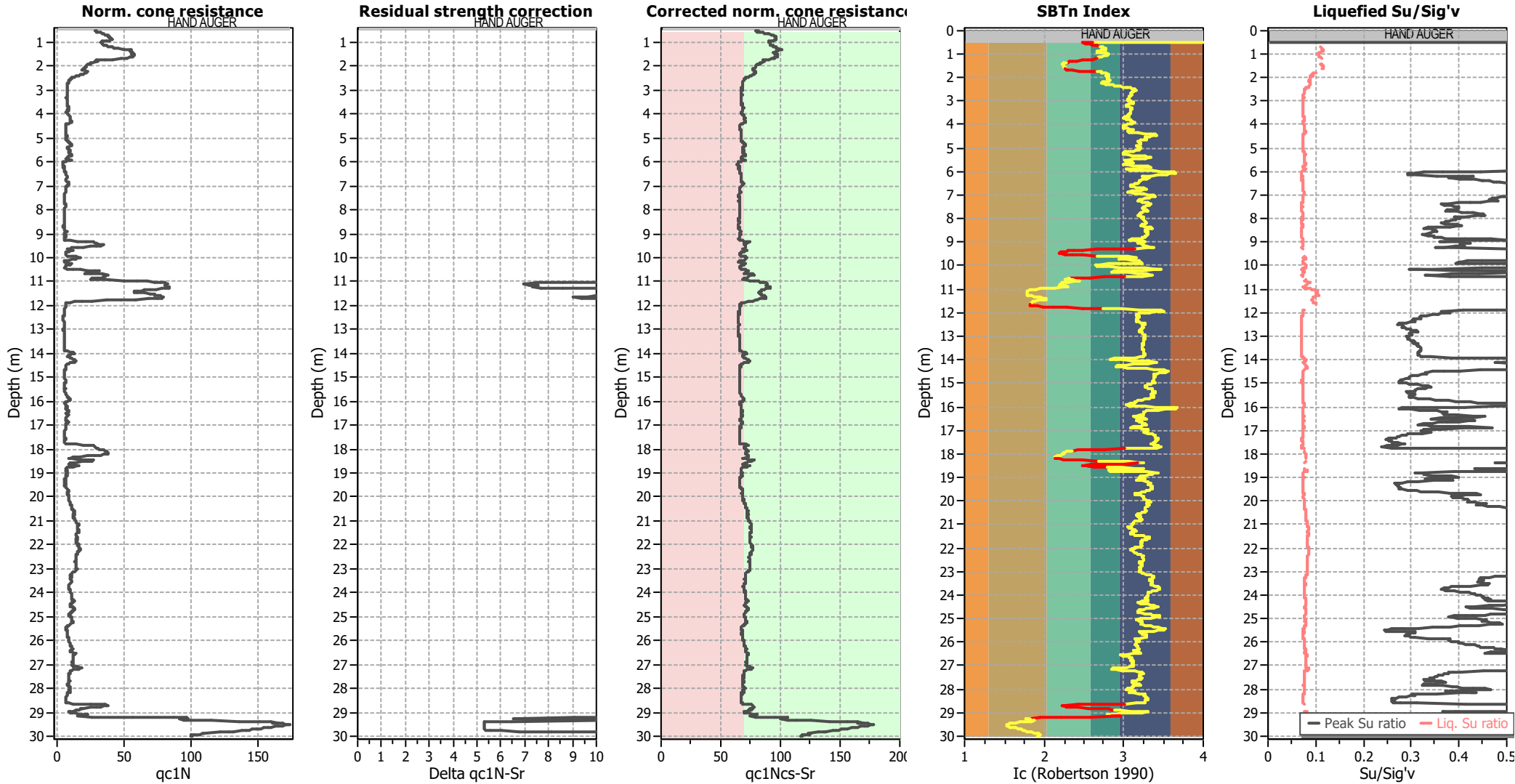
Liquefaction analysis summary plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on I_c value	I_c cut-off value:	2.60	K_{ϕ} applied:	Yes
Earthquake magnitude M_w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.00 m	Fill height:	N/A	Limit depth:	20.00 m

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _s applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.00 m	Fill height:	N/A	Limit depth:	20.00 m

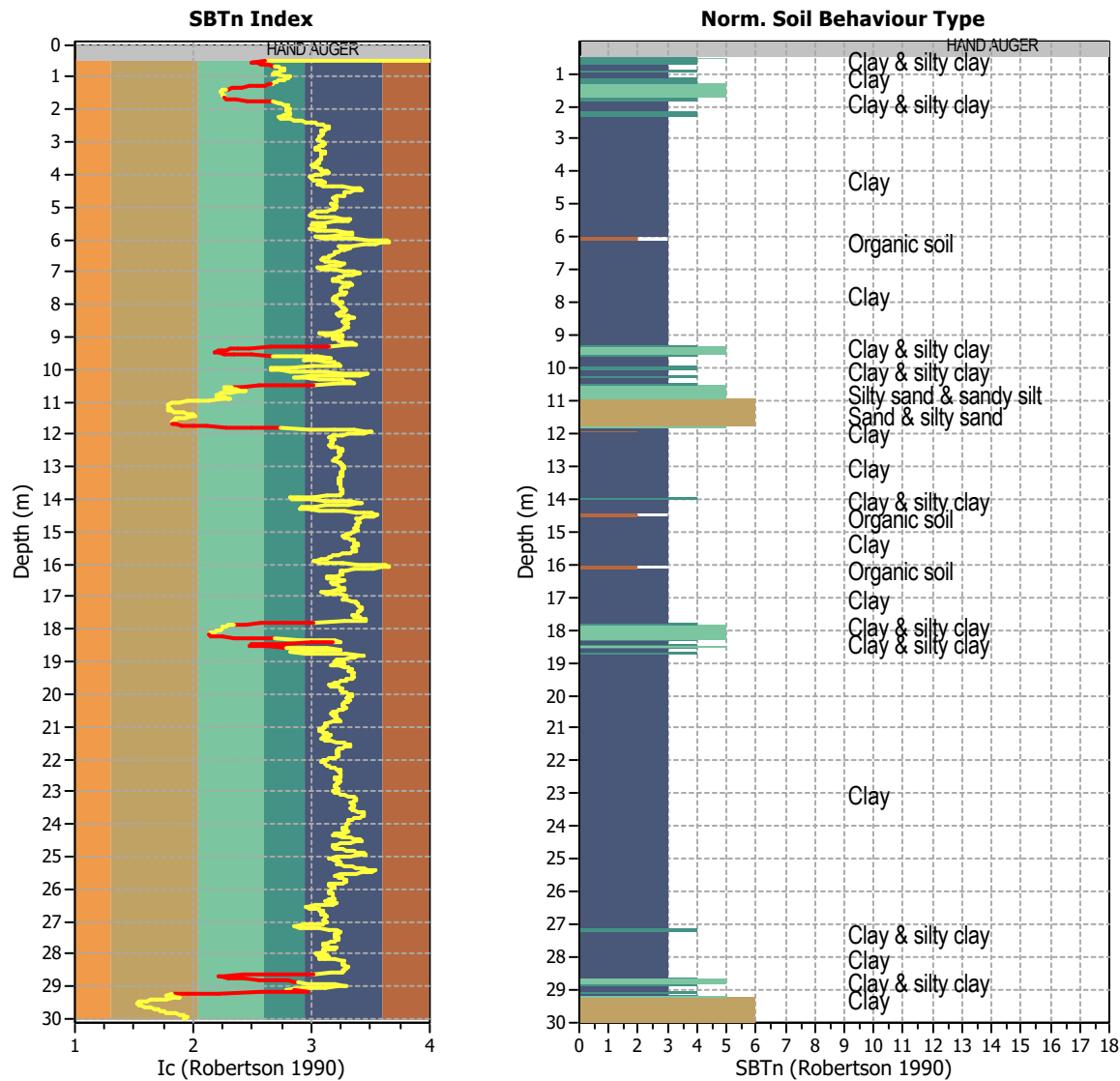
TRANSITION LAYER DETECTION ALGORITHM REPORT

Summary Details & Plots

Short description

The software will delete data when the cone is in transition from either clay to sand or vise-versa. To do this the software requires a range of I_c values over which the transition will be defined (typically somewhere between $1.80 < I_c < 3.0$) and a rate of change of I_c . Transitions typically occur when the rate of change of I_c is fast (i.e. ΔI_c is small).

The SBT_n plot below, displays in red the detected transition layers based on the parameters listed below the graphs.



Transition layer algorithm properties

I_c minimum check value:

1.70

I_c maximum check value:

3.00

I_c change ratio value:

0.0100

Minimum number of points in layer:

4

General statistics

Total points in CPT file:

1500

Total points excluded:

98

Exclusion percentage:

6.53%

Number of layers detected:

14

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
0.02	2.00	0.00	0.00	0.00	0.00	0.04	2.00	0.00	0.00	0.00	0.00
0.06	2.00	0.00	0.00	0.00	0.00	0.08	2.00	0.00	0.00	0.00	0.00
0.10	2.00	0.00	0.00	0.00	0.00	0.12	2.00	0.00	0.00	0.00	0.00
0.14	2.00	0.00	0.00	0.00	0.00	0.16	2.00	0.00	0.00	0.00	0.00
0.18	2.00	0.00	0.00	0.00	0.00	0.20	2.00	0.00	0.00	0.00	0.00
0.22	2.00	0.00	0.00	0.00	0.00	0.24	2.00	0.00	0.00	0.00	0.00
0.26	2.00	0.00	0.00	0.00	0.00	0.28	2.00	0.00	0.00	0.00	0.00
0.30	2.00	0.00	0.00	0.00	0.00	0.32	2.00	0.00	0.00	0.00	0.00
0.34	2.00	0.00	0.00	0.00	0.00	0.36	2.00	0.00	0.00	0.00	0.00
0.38	2.00	0.00	0.00	0.00	0.00	0.40	2.00	0.00	0.00	0.00	0.00
0.42	2.00	0.00	0.00	0.00	0.00	0.44	2.00	0.00	0.00	0.00	0.00
0.46	2.00	0.00	0.00	0.00	0.00	0.48	2.00	0.00	0.00	0.00	0.00
0.50	2.00	0.00	0.00	0.00	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	2.00	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	2.00	0.00	0.00	0.02	0.00	2.84	2.00	0.00	0.00	0.02	0.00
2.86	2.00	0.00	0.00	0.02	0.00	2.88	2.00	0.00	0.00	0.02	0.00
2.90	2.00	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.02	0.00	3.60	2.00	0.00	0.00	0.02	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.18	2.00	0.00	0.00	0.02	0.00	5.20	2.00	0.00	0.00	0.02	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	2.00	0.00	0.00	0.02	0.00
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00
5.98	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.02	0.00
6.02	2.00	0.00	0.00	0.02	0.00	6.04	2.00	0.00	0.00	0.02	0.00
6.06	2.00	0.00	0.00	0.02	0.00	6.08	2.00	0.00	0.00	0.02	0.00
6.10	2.00	0.00	0.00	0.02	0.00	6.12	2.00	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.70	2.00	0.00	0.00	0.02	0.00	6.72	2.00	0.00	0.00	0.02	0.00
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	2.00	0.00	0.00	0.02	0.00	6.96	2.00	0.00	0.00	0.02	0.00
6.98	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.02	0.00
7.02	2.00	0.00	0.00	0.02	0.00	7.04	2.00	0.00	0.00	0.02	0.00
7.06	2.00	0.00	0.00	0.02	0.00	7.08	2.00	0.00	0.00	0.02	0.00
7.10	2.00	0.00	0.00	0.02	0.00	7.12	2.00	0.00	0.00	0.02	0.00
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	2.00	0.00	0.00	0.02	0.00	7.48	2.00	0.00	0.00	0.02	0.00
7.50	2.00	0.00	0.00	0.02	0.00	7.52	2.00	0.00	0.00	0.02	0.00
7.54	2.00	0.00	0.00	0.02	0.00	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	2.00	0.00	0.00	0.02	0.00	7.64	2.00	0.00	0.00	0.02	0.00
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	2.00	0.00	0.00	0.02	0.00	8.12	2.00	0.00	0.00	0.02	0.00
8.14	2.00	0.00	0.00	0.02	0.00	8.16	2.00	0.00	0.00	0.02	0.00
8.18	2.00	0.00	0.00	0.02	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.02	0.00	8.24	2.00	0.00	0.00	0.02	0.00
8.26	2.00	0.00	0.00	0.02	0.00	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	2.00	0.00	0.00	0.02	0.00
8.86	2.00	0.00	0.00	0.02	0.00	8.88	2.00	0.00	0.00	0.02	0.00
8.90	2.00	0.00	0.00	0.02	0.00	8.92	2.00	0.00	0.00	0.02	0.00
8.94	2.00	0.00	0.00	0.02	0.00	8.96	2.00	0.00	0.00	0.02	0.00
8.98	2.00	0.00	0.00	0.02	0.00	9.00	2.00	0.00	0.00	0.02	0.00
9.02	2.00	0.00	0.00	0.02	0.00	9.04	2.00	0.00	0.00	0.02	0.00
9.06	2.00	0.00	0.00	0.02	0.00	9.08	2.00	0.00	0.00	0.02	0.00
9.10	2.00	0.00	0.00	0.02	0.00	9.12	2.00	0.00	0.00	0.02	0.00
9.14	2.00	0.00	0.00	0.02	0.00	9.16	2.00	0.00	0.00	0.02	0.00
9.18	2.00	0.00	0.00	0.02	0.00	9.20	2.00	0.00	0.00	0.02	0.00
9.22	2.00	0.00	0.00	0.02	0.00	9.24	2.00	0.00	0.00	0.02	0.00
9.26	2.00	0.00	0.00	0.02	0.00	9.28	2.00	0.00	0.00	0.02	0.00
9.30	2.00	0.00	0.00	0.02	0.00	9.32	2.00	0.00	0.00	0.02	0.00
9.34	2.00	0.00	0.00	0.02	0.00	9.36	2.00	0.00	0.00	0.02	0.00
9.38	2.00	0.00	0.00	0.02	0.00	9.40	2.00	0.00	0.00	0.02	0.00
9.42	2.00	0.00	0.00	0.02	0.00	9.44	2.00	0.00	0.00	0.02	0.00
9.46	2.00	0.00	0.00	0.02	0.00	9.48	2.00	0.00	0.00	0.02	0.00
9.50	2.00	0.00	0.00	0.02	0.00	9.52	2.00	0.00	0.00	0.02	0.00
9.54	2.00	0.00	0.00	0.02	0.00	9.56	2.00	0.00	0.00	0.02	0.00
9.58	2.00	0.00	0.00	0.02	0.00	9.60	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
9.62	2.00	0.00	0.00	0.02	0.00	9.64	2.00	0.00	0.00	0.02	0.00
9.66	2.00	0.00	0.00	0.02	0.00	9.68	2.00	0.00	0.00	0.02	0.00
9.70	2.00	0.00	0.00	0.02	0.00	9.72	2.00	0.00	0.00	0.02	0.00
9.74	2.00	0.00	0.00	0.02	0.00	9.76	2.00	0.00	0.00	0.02	0.00
9.78	2.00	0.00	0.00	0.02	0.00	9.80	2.00	0.00	0.00	0.02	0.00
9.82	2.00	0.00	0.00	0.02	0.00	9.84	2.00	0.00	0.00	0.02	0.00
9.86	2.00	0.00	0.00	0.02	0.00	9.88	2.00	0.00	0.00	0.02	0.00
9.90	2.00	0.00	0.00	0.02	0.00	9.92	2.00	0.00	0.00	0.02	0.00
9.94	2.00	0.00	0.00	0.02	0.00	9.96	2.00	0.00	0.00	0.02	0.00
9.98	2.00	0.00	0.00	0.02	0.00	10.00	2.00	0.00	0.00	0.02	0.00
10.02	2.00	0.00	0.00	0.02	0.00	10.04	2.00	0.00	0.00	0.02	0.00
10.06	2.00	0.00	0.00	0.02	0.00	10.08	2.00	0.00	0.00	0.02	0.00
10.10	2.00	0.00	0.00	0.02	0.00	10.12	2.00	0.00	0.00	0.02	0.00
10.14	2.00	0.00	0.00	0.02	0.00	10.16	2.00	0.00	0.00	0.02	0.00
10.18	2.00	0.00	0.00	0.02	0.00	10.20	2.00	0.00	0.00	0.02	0.00
10.22	2.00	0.00	0.00	0.02	0.00	10.24	2.00	0.00	0.00	0.02	0.00
10.26	2.00	0.00	0.00	0.02	0.00	10.28	2.00	0.00	0.00	0.02	0.00
10.30	2.00	0.00	0.00	0.02	0.00	10.32	2.00	0.00	0.00	0.02	0.00
10.34	2.00	0.00	0.00	0.02	0.00	10.36	2.00	0.00	0.00	0.02	0.00
10.38	2.00	0.00	0.00	0.02	0.00	10.40	2.00	0.00	0.00	0.02	0.00
10.42	2.00	0.00	0.00	0.02	0.00	10.44	2.00	0.00	0.00	0.02	0.00
10.46	2.00	0.00	0.00	0.02	0.00	10.48	2.00	0.00	0.00	0.02	0.00
10.50	2.00	0.00	0.00	0.02	0.00	10.52	2.00	0.00	0.00	0.02	0.00
10.54	2.00	0.00	0.00	0.02	0.00	10.56	2.00	0.00	0.00	0.02	0.00
10.58	0.95	0.05	52.96	0.02	0.00	10.60	0.93	0.07	16.56	0.02	0.01
10.62	0.91	0.09	8.98	0.02	0.01	10.64	0.90	0.10	6.43	0.02	0.01
10.66	0.88	0.12	4.38	0.02	0.01	10.68	0.93	0.07	14.01	0.02	0.01
10.70	1.01	0.00	0.00	0.02	0.00	10.72	1.04	0.00	0.00	0.02	0.00
10.74	1.01	0.00	0.00	0.02	0.00	10.76	0.99	0.01	775649/04 61.94	0.02	0.00
10.78	0.99	0.01	50800598. 73	0.02	0.00	10.80	0.99	0.01	924031.93	0.02	0.00
10.82	0.98	0.02	67360.11	0.02	0.00	10.84	0.97	0.03	1295.77	0.02	0.00
10.86	0.96	0.04	111.73	0.02	0.00	10.88	0.92	0.08	10.06	0.02	0.01
10.90	0.90	0.10	6.16	0.02	0.01	10.92	0.91	0.09	8.56	0.02	0.01
10.94	0.97	0.03	445.44	0.02	0.00	10.96	1.03	0.00	0.00	0.02	0.00
10.98	1.03	0.00	0.00	0.02	0.00	11.00	0.99	0.01	598748478 .54	0.02	0.00
11.02	0.95	0.05	41.35	0.02	0.00	11.04	0.93	0.07	18.16	0.02	0.01
11.06	0.94	0.06	31.69	0.02	0.01	11.08	0.96	0.04	78.77	0.02	0.00
11.10	0.96	0.04	103.38	0.02	0.00	11.12	0.96	0.04	99.72	0.02	0.00
11.14	0.95	0.05	74.10	0.02	0.00	11.16	0.95	0.05	52.34	0.02	0.00
11.18	0.95	0.05	58.21	0.02	0.00	11.20	0.96	0.04	199.45	0.02	0.00
11.22	0.98	0.02	2881.96	0.02	0.00	11.24	0.98	0.02	54823.76	0.02	0.00
11.26	0.98	0.02	141922.02	0.02	0.00	11.28	0.98	0.02	10830.30	0.02	0.00
11.30	0.99	0.01	198699359 7427.47	0.02	0.00	11.32	1.03	0.00	0.00	0.02	0.00
11.34	1.07	0.00	0.00	0.02	0.00	11.36	1.11	0.00	0.00	0.02	0.00
11.38	1.14	0.00	0.00	0.02	0.00	11.40	1.15	0.00	0.00	0.02	0.00
11.42	1.15	0.00	0.00	0.02	0.00	11.44	1.14	0.00	0.00	0.02	0.00
11.46	1.11	0.00	0.00	0.02	0.00	11.48	1.07	0.00	0.00	0.02	0.00
11.50	1.02	0.00	0.00	0.02	0.00	11.52	0.98	0.02	26472.34	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
11.54	0.97	0.03	491.67	0.02	0.00	11.56	0.96	0.04	264.77	0.02	0.00
11.58	0.97	0.03	1288.09	0.02	0.00	11.60	0.98	0.02	111607.45	0.02	0.00
11.62	0.98	0.02	40953.95	0.02	0.00	11.64	0.98	0.02	8039.69	0.02	0.00
11.66	0.98	0.02	11962.42	0.02	0.00	11.68	2.00	0.00	0.00	0.02	0.00
11.70	2.00	0.00	0.00	0.02	0.00	11.72	2.00	0.00	0.00	0.02	0.00
11.74	2.00	0.00	0.00	0.02	0.00	11.76	2.00	0.00	0.00	0.02	0.00
11.78	2.00	0.00	0.00	0.02	0.00	11.80	2.00	0.00	0.00	0.02	0.00
11.82	2.00	0.00	0.00	0.02	0.00	11.84	2.00	0.00	0.00	0.02	0.00
11.86	2.00	0.00	0.00	0.02	0.00	11.88	2.00	0.00	0.00	0.02	0.00
11.90	2.00	0.00	0.00	0.02	0.00	11.92	2.00	0.00	0.00	0.02	0.00
11.94	2.00	0.00	0.00	0.02	0.00	11.96	2.00	0.00	0.00	0.02	0.00
11.98	2.00	0.00	0.00	0.02	0.00	12.00	2.00	0.00	0.00	0.02	0.00
12.02	2.00	0.00	0.00	0.02	0.00	12.04	2.00	0.00	0.00	0.02	0.00
12.06	2.00	0.00	0.00	0.02	0.00	12.08	2.00	0.00	0.00	0.02	0.00
12.10	2.00	0.00	0.00	0.02	0.00	12.12	2.00	0.00	0.00	0.02	0.00
12.14	2.00	0.00	0.00	0.02	0.00	12.16	2.00	0.00	0.00	0.02	0.00
12.18	2.00	0.00	0.00	0.02	0.00	12.20	2.00	0.00	0.00	0.02	0.00
12.22	2.00	0.00	0.00	0.02	0.00	12.24	2.00	0.00	0.00	0.02	0.00
12.26	2.00	0.00	0.00	0.02	0.00	12.28	2.00	0.00	0.00	0.02	0.00
12.30	2.00	0.00	0.00	0.02	0.00	12.32	2.00	0.00	0.00	0.02	0.00
12.34	2.00	0.00	0.00	0.02	0.00	12.36	2.00	0.00	0.00	0.02	0.00
12.38	2.00	0.00	0.00	0.02	0.00	12.40	2.00	0.00	0.00	0.02	0.00
12.42	2.00	0.00	0.00	0.02	0.00	12.44	2.00	0.00	0.00	0.02	0.00
12.46	2.00	0.00	0.00	0.02	0.00	12.48	2.00	0.00	0.00	0.02	0.00
12.50	2.00	0.00	0.00	0.02	0.00	12.52	2.00	0.00	0.00	0.02	0.00
12.54	2.00	0.00	0.00	0.02	0.00	12.56	2.00	0.00	0.00	0.02	0.00
12.58	2.00	0.00	0.00	0.02	0.00	12.60	2.00	0.00	0.00	0.02	0.00
12.62	2.00	0.00	0.00	0.02	0.00	12.64	2.00	0.00	0.00	0.02	0.00
12.66	2.00	0.00	0.00	0.02	0.00	12.68	2.00	0.00	0.00	0.02	0.00
12.70	2.00	0.00	0.00	0.02	0.00	12.72	2.00	0.00	0.00	0.02	0.00
12.74	2.00	0.00	0.00	0.02	0.00	12.76	2.00	0.00	0.00	0.02	0.00
12.78	2.00	0.00	0.00	0.02	0.00	12.80	2.00	0.00	0.00	0.02	0.00
12.82	2.00	0.00	0.00	0.02	0.00	12.84	2.00	0.00	0.00	0.02	0.00
12.86	2.00	0.00	0.00	0.02	0.00	12.88	2.00	0.00	0.00	0.02	0.00
12.90	2.00	0.00	0.00	0.02	0.00	12.92	2.00	0.00	0.00	0.02	0.00
12.94	2.00	0.00	0.00	0.02	0.00	12.96	2.00	0.00	0.00	0.02	0.00
12.98	2.00	0.00	0.00	0.02	0.00	13.00	2.00	0.00	0.00	0.02	0.00
13.02	2.00	0.00	0.00	0.02	0.00	13.04	2.00	0.00	0.00	0.02	0.00
13.06	2.00	0.00	0.00	0.02	0.00	13.08	2.00	0.00	0.00	0.02	0.00
13.10	2.00	0.00	0.00	0.02	0.00	13.12	2.00	0.00	0.00	0.02	0.00
13.14	2.00	0.00	0.00	0.02	0.00	13.16	2.00	0.00	0.00	0.02	0.00
13.18	2.00	0.00	0.00	0.02	0.00	13.20	2.00	0.00	0.00	0.02	0.00
13.22	2.00	0.00	0.00	0.02	0.00	13.24	2.00	0.00	0.00	0.02	0.00
13.26	2.00	0.00	0.00	0.02	0.00	13.28	2.00	0.00	0.00	0.02	0.00
13.30	2.00	0.00	0.00	0.02	0.00	13.32	2.00	0.00	0.00	0.02	0.00
13.34	2.00	0.00	0.00	0.02	0.00	13.36	2.00	0.00	0.00	0.02	0.00
13.38	2.00	0.00	0.00	0.02	0.00	13.40	2.00	0.00	0.00	0.02	0.00
13.42	2.00	0.00	0.00	0.02	0.00	13.44	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
13.46	2.00	0.00	0.00	0.02	0.00	13.48	2.00	0.00	0.00	0.02	0.00
13.50	2.00	0.00	0.00	0.02	0.00	13.52	2.00	0.00	0.00	0.02	0.00
13.54	2.00	0.00	0.00	0.02	0.00	13.56	2.00	0.00	0.00	0.02	0.00
13.58	2.00	0.00	0.00	0.02	0.00	13.60	2.00	0.00	0.00	0.02	0.00
13.62	2.00	0.00	0.00	0.02	0.00	13.64	2.00	0.00	0.00	0.02	0.00
13.66	2.00	0.00	0.00	0.02	0.00	13.68	2.00	0.00	0.00	0.02	0.00
13.70	2.00	0.00	0.00	0.02	0.00	13.72	2.00	0.00	0.00	0.02	0.00
13.74	2.00	0.00	0.00	0.02	0.00	13.76	2.00	0.00	0.00	0.02	0.00
13.78	2.00	0.00	0.00	0.02	0.00	13.80	2.00	0.00	0.00	0.02	0.00
13.82	2.00	0.00	0.00	0.02	0.00	13.84	2.00	0.00	0.00	0.02	0.00
13.86	2.00	0.00	0.00	0.02	0.00	13.88	2.00	0.00	0.00	0.02	0.00
13.90	2.00	0.00	0.00	0.02	0.00	13.92	2.00	0.00	0.00	0.02	0.00
13.94	2.00	0.00	0.00	0.02	0.00	13.96	2.00	0.00	0.00	0.02	0.00
13.98	2.00	0.00	0.00	0.02	0.00	14.00	2.00	0.00	0.00	0.02	0.00
14.02	2.00	0.00	0.00	0.02	0.00	14.04	2.00	0.00	0.00	0.02	0.00
14.06	2.00	0.00	0.00	0.02	0.00	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	2.00	0.00	0.00	0.02	0.00
14.14	2.00	0.00	0.00	0.02	0.00	14.16	2.00	0.00	0.00	0.02	0.00
14.18	2.00	0.00	0.00	0.02	0.00	14.20	2.00	0.00	0.00	0.02	0.00
14.22	2.00	0.00	0.00	0.02	0.00	14.24	2.00	0.00	0.00	0.02	0.00
14.26	2.00	0.00	0.00	0.02	0.00	14.28	2.00	0.00	0.00	0.02	0.00
14.30	2.00	0.00	0.00	0.02	0.00	14.32	2.00	0.00	0.00	0.02	0.00
14.34	2.00	0.00	0.00	0.02	0.00	14.36	2.00	0.00	0.00	0.02	0.00
14.38	2.00	0.00	0.00	0.02	0.00	14.40	2.00	0.00	0.00	0.02	0.00
14.42	2.00	0.00	0.00	0.02	0.00	14.44	2.00	0.00	0.00	0.02	0.00
14.46	2.00	0.00	0.00	0.02	0.00	14.48	2.00	0.00	0.00	0.02	0.00
14.50	2.00	0.00	0.00	0.02	0.00	14.52	2.00	0.00	0.00	0.02	0.00
14.54	2.00	0.00	0.00	0.02	0.00	14.56	2.00	0.00	0.00	0.02	0.00
14.58	2.00	0.00	0.00	0.02	0.00	14.60	2.00	0.00	0.00	0.02	0.00
14.62	2.00	0.00	0.00	0.02	0.00	14.64	2.00	0.00	0.00	0.02	0.00
14.66	2.00	0.00	0.00	0.02	0.00	14.68	2.00	0.00	0.00	0.02	0.00
14.70	2.00	0.00	0.00	0.02	0.00	14.72	2.00	0.00	0.00	0.02	0.00
14.74	2.00	0.00	0.00	0.02	0.00	14.76	2.00	0.00	0.00	0.02	0.00
14.78	2.00	0.00	0.00	0.02	0.00	14.80	2.00	0.00	0.00	0.02	0.00
14.82	2.00	0.00	0.00	0.02	0.00	14.84	2.00	0.00	0.00	0.02	0.00
14.86	2.00	0.00	0.00	0.02	0.00	14.88	2.00	0.00	0.00	0.02	0.00
14.90	2.00	0.00	0.00	0.02	0.00	14.92	2.00	0.00	0.00	0.02	0.00
14.94	2.00	0.00	0.00	0.02	0.00	14.96	2.00	0.00	0.00	0.02	0.00
14.98	2.00	0.00	0.00	0.02	0.00	15.00	2.00	0.00	0.00	0.02	0.00
15.02	2.00	0.00	0.00	0.02	0.00	15.04	2.00	0.00	0.00	0.02	0.00
15.06	2.00	0.00	0.00	0.02	0.00	15.08	2.00	0.00	0.00	0.02	0.00
15.10	2.00	0.00	0.00	0.02	0.00	15.12	2.00	0.00	0.00	0.02	0.00
15.14	2.00	0.00	0.00	0.02	0.00	15.16	2.00	0.00	0.00	0.02	0.00
15.18	2.00	0.00	0.00	0.02	0.00	15.20	2.00	0.00	0.00	0.02	0.00
15.22	2.00	0.00	0.00	0.02	0.00	15.24	2.00	0.00	0.00	0.02	0.00
15.26	2.00	0.00	0.00	0.02	0.00	15.28	2.00	0.00	0.00	0.02	0.00
15.30	2.00	0.00	0.00	0.02	0.00	15.32	2.00	0.00	0.00	0.02	0.00
15.34	2.00	0.00	0.00	0.02	0.00	15.36	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
15.38	2.00	0.00	0.00	0.02	0.00	15.40	2.00	0.00	0.00	0.02	0.00
15.42	2.00	0.00	0.00	0.02	0.00	15.44	2.00	0.00	0.00	0.02	0.00
15.46	2.00	0.00	0.00	0.02	0.00	15.48	2.00	0.00	0.00	0.02	0.00
15.50	2.00	0.00	0.00	0.02	0.00	15.52	2.00	0.00	0.00	0.02	0.00
15.54	2.00	0.00	0.00	0.02	0.00	15.56	2.00	0.00	0.00	0.02	0.00
15.58	2.00	0.00	0.00	0.02	0.00	15.60	2.00	0.00	0.00	0.02	0.00
15.62	2.00	0.00	0.00	0.02	0.00	15.64	2.00	0.00	0.00	0.02	0.00
15.66	2.00	0.00	0.00	0.02	0.00	15.68	2.00	0.00	0.00	0.02	0.00
15.70	2.00	0.00	0.00	0.02	0.00	15.72	2.00	0.00	0.00	0.02	0.00
15.74	2.00	0.00	0.00	0.02	0.00	15.76	2.00	0.00	0.00	0.02	0.00
15.78	2.00	0.00	0.00	0.02	0.00	15.80	2.00	0.00	0.00	0.02	0.00
15.82	2.00	0.00	0.00	0.02	0.00	15.84	2.00	0.00	0.00	0.02	0.00
15.86	2.00	0.00	0.00	0.02	0.00	15.88	2.00	0.00	0.00	0.02	0.00
15.90	2.00	0.00	0.00	0.02	0.00	15.92	2.00	0.00	0.00	0.02	0.00
15.94	2.00	0.00	0.00	0.02	0.00	15.96	2.00	0.00	0.00	0.02	0.00
15.98	2.00	0.00	0.00	0.02	0.00	16.00	2.00	0.00	0.00	0.02	0.00
16.02	2.00	0.00	0.00	0.02	0.00	16.04	2.00	0.00	0.00	0.02	0.00
16.06	2.00	0.00	0.00	0.02	0.00	16.08	2.00	0.00	0.00	0.02	0.00
16.10	2.00	0.00	0.00	0.02	0.00	16.12	2.00	0.00	0.00	0.02	0.00
16.14	2.00	0.00	0.00	0.02	0.00	16.16	2.00	0.00	0.00	0.02	0.00
16.18	2.00	0.00	0.00	0.02	0.00	16.20	2.00	0.00	0.00	0.02	0.00
16.22	2.00	0.00	0.00	0.02	0.00	16.24	2.00	0.00	0.00	0.02	0.00
16.26	2.00	0.00	0.00	0.02	0.00	16.28	2.00	0.00	0.00	0.02	0.00
16.30	2.00	0.00	0.00	0.02	0.00	16.32	2.00	0.00	0.00	0.02	0.00
16.34	2.00	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.42	2.00	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	2.00	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.56	2.00	0.00	0.00	0.02	0.00
16.58	2.00	0.00	0.00	0.02	0.00	16.60	2.00	0.00	0.00	0.02	0.00
16.62	2.00	0.00	0.00	0.02	0.00	16.64	2.00	0.00	0.00	0.02	0.00
16.66	2.00	0.00	0.00	0.02	0.00	16.68	2.00	0.00	0.00	0.02	0.00
16.70	2.00	0.00	0.00	0.02	0.00	16.72	2.00	0.00	0.00	0.02	0.00
16.74	2.00	0.00	0.00	0.02	0.00	16.76	2.00	0.00	0.00	0.02	0.00
16.78	2.00	0.00	0.00	0.02	0.00	16.80	2.00	0.00	0.00	0.02	0.00
16.82	2.00	0.00	0.00	0.02	0.00	16.84	2.00	0.00	0.00	0.02	0.00
16.86	2.00	0.00	0.00	0.02	0.00	16.88	2.00	0.00	0.00	0.02	0.00
16.90	2.00	0.00	0.00	0.02	0.00	16.92	2.00	0.00	0.00	0.02	0.00
16.94	2.00	0.00	0.00	0.02	0.00	16.96	2.00	0.00	0.00	0.02	0.00
16.98	2.00	0.00	0.00	0.02	0.00	17.00	2.00	0.00	0.00	0.02	0.00
17.02	2.00	0.00	0.00	0.02	0.00	17.04	2.00	0.00	0.00	0.02	0.00
17.06	2.00	0.00	0.00	0.02	0.00	17.08	2.00	0.00	0.00	0.02	0.00
17.10	2.00	0.00	0.00	0.02	0.00	17.12	2.00	0.00	0.00	0.02	0.00
17.14	2.00	0.00	0.00	0.02	0.00	17.16	2.00	0.00	0.00	0.02	0.00
17.18	2.00	0.00	0.00	0.02	0.00	17.20	2.00	0.00	0.00	0.02	0.00
17.22	2.00	0.00	0.00	0.02	0.00	17.24	2.00	0.00	0.00	0.02	0.00
17.26	2.00	0.00	0.00	0.02	0.00	17.28	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
17.30	2.00	0.00	0.00	0.02	0.00	17.32	2.00	0.00	0.00	0.02	0.00
17.34	2.00	0.00	0.00	0.02	0.00	17.36	2.00	0.00	0.00	0.02	0.00
17.38	2.00	0.00	0.00	0.02	0.00	17.40	2.00	0.00	0.00	0.02	0.00
17.42	2.00	0.00	0.00	0.02	0.00	17.44	2.00	0.00	0.00	0.02	0.00
17.46	2.00	0.00	0.00	0.02	0.00	17.48	2.00	0.00	0.00	0.02	0.00
17.50	2.00	0.00	0.00	0.02	0.00	17.52	2.00	0.00	0.00	0.02	0.00
17.54	2.00	0.00	0.00	0.02	0.00	17.56	2.00	0.00	0.00	0.02	0.00
17.58	2.00	0.00	0.00	0.02	0.00	17.60	2.00	0.00	0.00	0.02	0.00
17.62	2.00	0.00	0.00	0.02	0.00	17.64	2.00	0.00	0.00	0.02	0.00
17.66	2.00	0.00	0.00	0.02	0.00	17.68	2.00	0.00	0.00	0.02	0.00
17.70	2.00	0.00	0.00	0.02	0.00	17.72	2.00	0.00	0.00	0.02	0.00
17.74	2.00	0.00	0.00	0.02	0.00	17.76	2.00	0.00	0.00	0.02	0.00
17.78	2.00	0.00	0.00	0.02	0.00	17.80	2.00	0.00	0.00	0.02	0.00
17.82	2.00	0.00	0.00	0.02	0.00	17.84	2.00	0.00	0.00	0.02	0.00
17.86	2.00	0.00	0.00	0.02	0.00	17.88	2.00	0.00	0.00	0.02	0.00
17.90	1.04	0.00	0.00	0.02	0.00	17.92	1.04	0.00	0.00	0.02	0.00
17.94	1.04	0.00	0.00	0.02	0.00	17.96	1.05	0.00	0.00	0.02	0.00
17.98	1.06	0.00	0.00	0.02	0.00	18.00	1.07	0.00	0.00	0.02	0.00
18.02	1.08	0.00	0.00	0.02	0.00	18.04	1.09	0.00	0.00	0.02	0.00
18.06	1.10	0.00	0.00	0.02	0.00	18.08	1.10	0.00	0.00	0.02	0.00
18.10	1.10	0.00	0.00	0.02	0.00	18.12	1.09	0.00	0.00	0.02	0.00
18.14	1.09	0.00	0.00	0.02	0.00	18.16	1.09	0.00	0.00	0.02	0.00
18.18	1.10	0.00	0.00	0.02	0.00	18.20	2.00	0.00	0.00	0.02	0.00
18.22	2.00	0.00	0.00	0.02	0.00	18.24	2.00	0.00	0.00	0.02	0.00
18.26	2.00	0.00	0.00	0.02	0.00	18.28	2.00	0.00	0.00	0.02	0.00
18.30	2.00	0.00	0.00	0.02	0.00	18.32	2.00	0.00	0.00	0.02	0.00
18.34	2.00	0.00	0.00	0.02	0.00	18.36	2.00	0.00	0.00	0.02	0.00
18.38	2.00	0.00	0.00	0.02	0.00	18.40	2.00	0.00	0.00	0.02	0.00
18.42	2.00	0.00	0.00	0.02	0.00	18.44	2.00	0.00	0.00	0.02	0.00
18.46	2.00	0.00	0.00	0.02	0.00	18.48	2.00	0.00	0.00	0.02	0.00
18.50	2.00	0.00	0.00	0.02	0.00	18.52	2.00	0.00	0.00	0.02	0.00
18.54	2.00	0.00	0.00	0.02	0.00	18.56	2.00	0.00	0.00	0.02	0.00
18.58	2.00	0.00	0.00	0.02	0.00	18.60	2.00	0.00	0.00	0.02	0.00
18.62	2.00	0.00	0.00	0.02	0.00	18.64	2.00	0.00	0.00	0.02	0.00
18.66	2.00	0.00	0.00	0.02	0.00	18.68	2.00	0.00	0.00	0.02	0.00
18.70	2.00	0.00	0.00	0.02	0.00	18.72	2.00	0.00	0.00	0.02	0.00
18.74	2.00	0.00	0.00	0.02	0.00	18.76	2.00	0.00	0.00	0.02	0.00
18.78	2.00	0.00	0.00	0.02	0.00	18.80	2.00	0.00	0.00	0.02	0.00
18.82	2.00	0.00	0.00	0.02	0.00	18.84	2.00	0.00	0.00	0.02	0.00
18.86	2.00	0.00	0.00	0.02	0.00	18.88	2.00	0.00	0.00	0.02	0.00
18.90	2.00	0.00	0.00	0.02	0.00	18.92	2.00	0.00	0.00	0.02	0.00
18.94	2.00	0.00	0.00	0.02	0.00	18.96	2.00	0.00	0.00	0.02	0.00
18.98	2.00	0.00	0.00	0.02	0.00	19.00	2.00	0.00	0.00	0.02	0.00
19.02	2.00	0.00	0.00	0.02	0.00	19.04	2.00	0.00	0.00	0.02	0.00
19.06	2.00	0.00	0.00	0.02	0.00	19.08	2.00	0.00	0.00	0.02	0.00
19.10	2.00	0.00	0.00	0.02	0.00	19.12	2.00	0.00	0.00	0.02	0.00
19.14	2.00	0.00	0.00	0.02	0.00	19.16	2.00	0.00	0.00	0.02	0.00
19.18	2.00	0.00	0.00	0.02	0.00	19.20	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
19.22	2.00	0.00	0.00	0.02	0.00	19.24	2.00	0.00	0.00	0.02	0.00
19.26	2.00	0.00	0.00	0.02	0.00	19.28	2.00	0.00	0.00	0.02	0.00
19.30	2.00	0.00	0.00	0.02	0.00	19.32	2.00	0.00	0.00	0.02	0.00
19.34	2.00	0.00	0.00	0.02	0.00	19.36	2.00	0.00	0.00	0.02	0.00
19.38	2.00	0.00	0.00	0.02	0.00	19.40	2.00	0.00	0.00	0.02	0.00
19.42	2.00	0.00	0.00	0.02	0.00	19.44	2.00	0.00	0.00	0.02	0.00
19.46	2.00	0.00	0.00	0.02	0.00	19.48	2.00	0.00	0.00	0.02	0.00
19.50	2.00	0.00	0.00	0.02	0.00	19.52	2.00	0.00	0.00	0.02	0.00
19.54	2.00	0.00	0.00	0.02	0.00	19.56	2.00	0.00	0.00	0.02	0.00
19.58	2.00	0.00	0.00	0.02	0.00	19.60	2.00	0.00	0.00	0.02	0.00
19.62	2.00	0.00	0.00	0.02	0.00	19.64	2.00	0.00	0.00	0.02	0.00
19.66	2.00	0.00	0.00	0.02	0.00	19.68	2.00	0.00	0.00	0.02	0.00
19.70	2.00	0.00	0.00	0.02	0.00	19.72	2.00	0.00	0.00	0.02	0.00
19.74	2.00	0.00	0.00	0.02	0.00	19.76	2.00	0.00	0.00	0.02	0.00
19.78	2.00	0.00	0.00	0.02	0.00	19.80	2.00	0.00	0.00	0.02	0.00
19.82	2.00	0.00	0.00	0.02	0.00	19.84	2.00	0.00	0.00	0.02	0.00
19.86	2.00	0.00	0.00	0.02	0.00	19.88	2.00	0.00	0.00	0.02	0.00
19.90	2.00	0.00	0.00	0.02	0.00	19.92	2.00	0.00	0.00	0.02	0.00
19.94	2.00	0.00	0.00	0.02	0.00	19.96	2.00	0.00	0.00	0.02	0.00
19.98	2.00	0.00	0.00	0.02	0.00	20.00	2.00	0.00	0.00	0.02	0.00
20.02	2.00	0.00	0.00	0.02	0.00	20.04	2.00	0.00	0.00	0.02	0.00
20.06	2.00	0.00	0.00	0.02	0.00	20.08	2.00	0.00	0.00	0.02	0.00
20.10	2.00	0.00	0.00	0.02	0.00	20.12	2.00	0.00	0.00	0.02	0.00
20.14	2.00	0.00	0.00	0.02	0.00	20.16	2.00	0.00	0.00	0.02	0.00
20.18	2.00	0.00	0.00	0.02	0.00	20.20	2.00	0.00	0.00	0.02	0.00
20.22	2.00	0.00	0.00	0.02	0.00	20.24	2.00	0.00	0.00	0.02	0.00
20.26	2.00	0.00	0.00	0.02	0.00	20.28	2.00	0.00	0.00	0.02	0.00
20.30	2.00	0.00	0.00	0.02	0.00	20.32	2.00	0.00	0.00	0.02	0.00
20.34	2.00	0.00	0.00	0.02	0.00	20.36	2.00	0.00	0.00	0.02	0.00
20.38	2.00	0.00	0.00	0.02	0.00	20.40	2.00	0.00	0.00	0.02	0.00
20.42	2.00	0.00	0.00	0.02	0.00	20.44	2.00	0.00	0.00	0.02	0.00
20.46	2.00	0.00	0.00	0.02	0.00	20.48	2.00	0.00	0.00	0.02	0.00
20.50	2.00	0.00	0.00	0.02	0.00	20.52	2.00	0.00	0.00	0.02	0.00
20.54	2.00	0.00	0.00	0.02	0.00	20.56	2.00	0.00	0.00	0.02	0.00
20.58	2.00	0.00	0.00	0.02	0.00	20.60	2.00	0.00	0.00	0.02	0.00
20.62	2.00	0.00	0.00	0.02	0.00	20.64	2.00	0.00	0.00	0.02	0.00
20.66	2.00	0.00	0.00	0.02	0.00	20.68	2.00	0.00	0.00	0.02	0.00
20.70	2.00	0.00	0.00	0.02	0.00	20.72	2.00	0.00	0.00	0.02	0.00
20.74	2.00	0.00	0.00	0.02	0.00	20.76	2.00	0.00	0.00	0.02	0.00
20.78	2.00	0.00	0.00	0.02	0.00	20.80	2.00	0.00	0.00	0.02	0.00
20.82	2.00	0.00	0.00	0.02	0.00	20.84	2.00	0.00	0.00	0.02	0.00
20.86	2.00	0.00	0.00	0.02	0.00	20.88	2.00	0.00	0.00	0.02	0.00
20.90	2.00	0.00	0.00	0.02	0.00	20.92	2.00	0.00	0.00	0.02	0.00
20.94	2.00	0.00	0.00	0.02	0.00	20.96	2.00	0.00	0.00	0.02	0.00
20.98	2.00	0.00	0.00	0.02	0.00	21.00	2.00	0.00	0.00	0.02	0.00
21.02	2.00	0.00	0.00	0.02	0.00	21.04	2.00	0.00	0.00	0.02	0.00
21.06	2.00	0.00	0.00	0.02	0.00	21.08	2.00	0.00	0.00	0.02	0.00
21.10	2.00	0.00	0.00	0.02	0.00	21.12	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
21.14	2.00	0.00	0.00	0.02	0.00	21.16	2.00	0.00	0.00	0.02	0.00
21.18	2.00	0.00	0.00	0.02	0.00	21.20	2.00	0.00	0.00	0.02	0.00
21.22	2.00	0.00	0.00	0.02	0.00	21.24	2.00	0.00	0.00	0.02	0.00
21.26	2.00	0.00	0.00	0.02	0.00	21.28	2.00	0.00	0.00	0.02	0.00
21.30	2.00	0.00	0.00	0.02	0.00	21.32	2.00	0.00	0.00	0.02	0.00
21.34	2.00	0.00	0.00	0.02	0.00	21.36	2.00	0.00	0.00	0.02	0.00
21.38	2.00	0.00	0.00	0.02	0.00	21.40	2.00	0.00	0.00	0.02	0.00
21.42	2.00	0.00	0.00	0.02	0.00	21.44	2.00	0.00	0.00	0.02	0.00
21.46	2.00	0.00	0.00	0.02	0.00	21.48	2.00	0.00	0.00	0.02	0.00
21.50	2.00	0.00	0.00	0.02	0.00	21.52	2.00	0.00	0.00	0.02	0.00
21.54	2.00	0.00	0.00	0.02	0.00	21.56	2.00	0.00	0.00	0.02	0.00
21.58	2.00	0.00	0.00	0.02	0.00	21.60	2.00	0.00	0.00	0.02	0.00
21.62	2.00	0.00	0.00	0.02	0.00	21.64	2.00	0.00	0.00	0.02	0.00
21.66	2.00	0.00	0.00	0.02	0.00	21.68	2.00	0.00	0.00	0.02	0.00
21.70	2.00	0.00	0.00	0.02	0.00	21.72	2.00	0.00	0.00	0.02	0.00
21.74	2.00	0.00	0.00	0.02	0.00	21.76	2.00	0.00	0.00	0.02	0.00
21.78	2.00	0.00	0.00	0.02	0.00	21.80	2.00	0.00	0.00	0.02	0.00
21.82	2.00	0.00	0.00	0.02	0.00	21.84	2.00	0.00	0.00	0.02	0.00
21.86	2.00	0.00	0.00	0.02	0.00	21.88	2.00	0.00	0.00	0.02	0.00
21.90	2.00	0.00	0.00	0.02	0.00	21.92	2.00	0.00	0.00	0.02	0.00
21.94	2.00	0.00	0.00	0.02	0.00	21.96	2.00	0.00	0.00	0.02	0.00
21.98	2.00	0.00	0.00	0.02	0.00	22.00	2.00	0.00	0.00	0.02	0.00
22.02	2.00	0.00	0.00	0.02	0.00	22.04	2.00	0.00	0.00	0.02	0.00
22.06	2.00	0.00	0.00	0.02	0.00	22.08	2.00	0.00	0.00	0.02	0.00
22.10	2.00	0.00	0.00	0.02	0.00	22.12	2.00	0.00	0.00	0.02	0.00
22.14	2.00	0.00	0.00	0.02	0.00	22.16	2.00	0.00	0.00	0.02	0.00
22.18	2.00	0.00	0.00	0.02	0.00	22.20	2.00	0.00	0.00	0.02	0.00
22.22	2.00	0.00	0.00	0.02	0.00	22.24	2.00	0.00	0.00	0.02	0.00
22.26	2.00	0.00	0.00	0.02	0.00	22.28	2.00	0.00	0.00	0.02	0.00
22.30	2.00	0.00	0.00	0.02	0.00	22.32	2.00	0.00	0.00	0.02	0.00
22.34	2.00	0.00	0.00	0.02	0.00	22.36	2.00	0.00	0.00	0.02	0.00
22.38	2.00	0.00	0.00	0.02	0.00	22.40	2.00	0.00	0.00	0.02	0.00
22.42	2.00	0.00	0.00	0.02	0.00	22.44	2.00	0.00	0.00	0.02	0.00
22.46	2.00	0.00	0.00	0.02	0.00	22.48	2.00	0.00	0.00	0.02	0.00
22.50	2.00	0.00	0.00	0.02	0.00	22.52	2.00	0.00	0.00	0.02	0.00
22.54	2.00	0.00	0.00	0.02	0.00	22.56	2.00	0.00	0.00	0.02	0.00
22.58	2.00	0.00	0.00	0.02	0.00	22.60	2.00	0.00	0.00	0.02	0.00
22.62	2.00	0.00	0.00	0.02	0.00	22.64	2.00	0.00	0.00	0.02	0.00
22.66	2.00	0.00	0.00	0.02	0.00	22.68	2.00	0.00	0.00	0.02	0.00
22.70	2.00	0.00	0.00	0.02	0.00	22.72	2.00	0.00	0.00	0.02	0.00
22.74	2.00	0.00	0.00	0.02	0.00	22.76	2.00	0.00	0.00	0.02	0.00
22.78	2.00	0.00	0.00	0.02	0.00	22.80	2.00	0.00	0.00	0.02	0.00
22.82	2.00	0.00	0.00	0.02	0.00	22.84	2.00	0.00	0.00	0.02	0.00
22.86	2.00	0.00	0.00	0.02	0.00	22.88	2.00	0.00	0.00	0.02	0.00
22.90	2.00	0.00	0.00	0.02	0.00	22.92	2.00	0.00	0.00	0.02	0.00
22.94	2.00	0.00	0.00	0.02	0.00	22.96	2.00	0.00	0.00	0.02	0.00
22.98	2.00	0.00	0.00	0.02	0.00	23.00	2.00	0.00	0.00	0.02	0.00
23.02	2.00	0.00	0.00	0.02	0.00	23.04	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
23.06	2.00	0.00	0.00	0.02	0.00	23.08	2.00	0.00	0.00	0.02	0.00
23.10	2.00	0.00	0.00	0.02	0.00	23.12	2.00	0.00	0.00	0.02	0.00
23.14	2.00	0.00	0.00	0.02	0.00	23.16	2.00	0.00	0.00	0.02	0.00
23.18	2.00	0.00	0.00	0.02	0.00	23.20	2.00	0.00	0.00	0.02	0.00
23.22	2.00	0.00	0.00	0.02	0.00	23.24	2.00	0.00	0.00	0.02	0.00
23.26	2.00	0.00	0.00	0.02	0.00	23.28	2.00	0.00	0.00	0.02	0.00
23.30	2.00	0.00	0.00	0.02	0.00	23.32	2.00	0.00	0.00	0.02	0.00
23.34	2.00	0.00	0.00	0.02	0.00	23.36	2.00	0.00	0.00	0.02	0.00
23.38	2.00	0.00	0.00	0.02	0.00	23.40	2.00	0.00	0.00	0.02	0.00
23.42	2.00	0.00	0.00	0.02	0.00	23.44	2.00	0.00	0.00	0.02	0.00
23.46	2.00	0.00	0.00	0.02	0.00	23.48	2.00	0.00	0.00	0.02	0.00
23.50	2.00	0.00	0.00	0.02	0.00	23.52	2.00	0.00	0.00	0.02	0.00
23.54	2.00	0.00	0.00	0.02	0.00	23.56	2.00	0.00	0.00	0.02	0.00
23.58	2.00	0.00	0.00	0.02	0.00	23.60	2.00	0.00	0.00	0.02	0.00
23.62	2.00	0.00	0.00	0.02	0.00	23.64	2.00	0.00	0.00	0.02	0.00
23.66	2.00	0.00	0.00	0.02	0.00	23.68	2.00	0.00	0.00	0.02	0.00
23.70	2.00	0.00	0.00	0.02	0.00	23.72	2.00	0.00	0.00	0.02	0.00
23.74	2.00	0.00	0.00	0.02	0.00	23.76	2.00	0.00	0.00	0.02	0.00
23.78	2.00	0.00	0.00	0.02	0.00	23.80	2.00	0.00	0.00	0.02	0.00
23.82	2.00	0.00	0.00	0.02	0.00	23.84	2.00	0.00	0.00	0.02	0.00
23.86	2.00	0.00	0.00	0.02	0.00	23.88	2.00	0.00	0.00	0.02	0.00
23.90	2.00	0.00	0.00	0.02	0.00	23.92	2.00	0.00	0.00	0.02	0.00
23.94	2.00	0.00	0.00	0.02	0.00	23.96	2.00	0.00	0.00	0.02	0.00
23.98	2.00	0.00	0.00	0.02	0.00	24.00	2.00	0.00	0.00	0.02	0.00
24.02	2.00	0.00	0.00	0.02	0.00	24.04	2.00	0.00	0.00	0.02	0.00
24.06	2.00	0.00	0.00	0.02	0.00	24.08	2.00	0.00	0.00	0.02	0.00
24.10	2.00	0.00	0.00	0.02	0.00	24.12	2.00	0.00	0.00	0.02	0.00
24.14	2.00	0.00	0.00	0.02	0.00	24.16	2.00	0.00	0.00	0.02	0.00
24.18	2.00	0.00	0.00	0.02	0.00	24.20	2.00	0.00	0.00	0.02	0.00
24.22	2.00	0.00	0.00	0.02	0.00	24.24	2.00	0.00	0.00	0.02	0.00
24.26	2.00	0.00	0.00	0.02	0.00	24.28	2.00	0.00	0.00	0.02	0.00
24.30	2.00	0.00	0.00	0.02	0.00	24.32	2.00	0.00	0.00	0.02	0.00
24.34	2.00	0.00	0.00	0.02	0.00	24.36	2.00	0.00	0.00	0.02	0.00
24.38	2.00	0.00	0.00	0.02	0.00	24.40	2.00	0.00	0.00	0.02	0.00
24.42	2.00	0.00	0.00	0.02	0.00	24.44	2.00	0.00	0.00	0.02	0.00
24.46	2.00	0.00	0.00	0.02	0.00	24.48	2.00	0.00	0.00	0.02	0.00
24.50	2.00	0.00	0.00	0.02	0.00	24.52	2.00	0.00	0.00	0.02	0.00
24.54	2.00	0.00	0.00	0.02	0.00	24.56	2.00	0.00	0.00	0.02	0.00
24.58	2.00	0.00	0.00	0.02	0.00	24.60	2.00	0.00	0.00	0.02	0.00
24.62	2.00	0.00	0.00	0.02	0.00	24.64	2.00	0.00	0.00	0.02	0.00
24.66	2.00	0.00	0.00	0.02	0.00	24.68	2.00	0.00	0.00	0.02	0.00
24.70	2.00	0.00	0.00	0.02	0.00	24.72	2.00	0.00	0.00	0.02	0.00
24.74	2.00	0.00	0.00	0.02	0.00	24.76	2.00	0.00	0.00	0.02	0.00
24.78	2.00	0.00	0.00	0.02	0.00	24.80	2.00	0.00	0.00	0.02	0.00
24.82	2.00	0.00	0.00	0.02	0.00	24.84	2.00	0.00	0.00	0.02	0.00
24.86	2.00	0.00	0.00	0.02	0.00	24.88	2.00	0.00	0.00	0.02	0.00
24.90	2.00	0.00	0.00	0.02	0.00	24.92	2.00	0.00	0.00	0.02	0.00
24.94	2.00	0.00	0.00	0.02	0.00	24.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
24.98	2.00	0.00	0.00	0.02	0.00	25.00	2.00	0.00	0.00	0.02	0.00
25.02	2.00	0.00	0.00	0.02	0.00	25.04	2.00	0.00	0.00	0.02	0.00
25.06	2.00	0.00	0.00	0.02	0.00	25.08	2.00	0.00	0.00	0.02	0.00
25.10	2.00	0.00	0.00	0.02	0.00	25.12	2.00	0.00	0.00	0.02	0.00
25.14	2.00	0.00	0.00	0.02	0.00	25.16	2.00	0.00	0.00	0.02	0.00
25.18	2.00	0.00	0.00	0.02	0.00	25.20	2.00	0.00	0.00	0.02	0.00
25.22	2.00	0.00	0.00	0.02	0.00	25.24	2.00	0.00	0.00	0.02	0.00
25.26	2.00	0.00	0.00	0.02	0.00	25.28	2.00	0.00	0.00	0.02	0.00
25.30	2.00	0.00	0.00	0.02	0.00	25.32	2.00	0.00	0.00	0.02	0.00
25.34	2.00	0.00	0.00	0.02	0.00	25.36	2.00	0.00	0.00	0.02	0.00
25.38	2.00	0.00	0.00	0.02	0.00	25.40	2.00	0.00	0.00	0.02	0.00
25.42	2.00	0.00	0.00	0.02	0.00	25.44	2.00	0.00	0.00	0.02	0.00
25.46	2.00	0.00	0.00	0.02	0.00	25.48	2.00	0.00	0.00	0.02	0.00
25.50	2.00	0.00	0.00	0.02	0.00	25.52	2.00	0.00	0.00	0.02	0.00
25.54	2.00	0.00	0.00	0.02	0.00	25.56	2.00	0.00	0.00	0.02	0.00
25.58	2.00	0.00	0.00	0.02	0.00	25.60	2.00	0.00	0.00	0.02	0.00
25.62	2.00	0.00	0.00	0.02	0.00	25.64	2.00	0.00	0.00	0.02	0.00
25.66	2.00	0.00	0.00	0.02	0.00	25.68	2.00	0.00	0.00	0.02	0.00
25.70	2.00	0.00	0.00	0.02	0.00	25.72	2.00	0.00	0.00	0.02	0.00
25.74	2.00	0.00	0.00	0.02	0.00	25.76	2.00	0.00	0.00	0.02	0.00
25.78	2.00	0.00	0.00	0.02	0.00	25.80	2.00	0.00	0.00	0.02	0.00
25.82	2.00	0.00	0.00	0.02	0.00	25.84	2.00	0.00	0.00	0.02	0.00
25.86	2.00	0.00	0.00	0.02	0.00	25.88	2.00	0.00	0.00	0.02	0.00
25.90	2.00	0.00	0.00	0.02	0.00	25.92	2.00	0.00	0.00	0.02	0.00
25.94	2.00	0.00	0.00	0.02	0.00	25.96	2.00	0.00	0.00	0.02	0.00
25.98	2.00	0.00	0.00	0.02	0.00	26.00	2.00	0.00	0.00	0.02	0.00
26.02	2.00	0.00	0.00	0.02	0.00	26.04	2.00	0.00	0.00	0.02	0.00
26.06	2.00	0.00	0.00	0.02	0.00	26.08	2.00	0.00	0.00	0.02	0.00
26.10	2.00	0.00	0.00	0.02	0.00	26.12	2.00	0.00	0.00	0.02	0.00
26.14	2.00	0.00	0.00	0.02	0.00	26.16	2.00	0.00	0.00	0.02	0.00
26.18	2.00	0.00	0.00	0.02	0.00	26.20	2.00	0.00	0.00	0.02	0.00
26.22	2.00	0.00	0.00	0.02	0.00	26.24	2.00	0.00	0.00	0.02	0.00
26.26	2.00	0.00	0.00	0.02	0.00	26.28	2.00	0.00	0.00	0.02	0.00
26.30	2.00	0.00	0.00	0.02	0.00	26.32	2.00	0.00	0.00	0.02	0.00
26.34	2.00	0.00	0.00	0.02	0.00	26.36	2.00	0.00	0.00	0.02	0.00
26.38	2.00	0.00	0.00	0.02	0.00	26.40	2.00	0.00	0.00	0.02	0.00
26.42	2.00	0.00	0.00	0.02	0.00	26.44	2.00	0.00	0.00	0.02	0.00
26.46	2.00	0.00	0.00	0.02	0.00	26.48	2.00	0.00	0.00	0.02	0.00
26.50	2.00	0.00	0.00	0.02	0.00	26.52	2.00	0.00	0.00	0.02	0.00
26.54	2.00	0.00	0.00	0.02	0.00	26.56	2.00	0.00	0.00	0.02	0.00
26.58	2.00	0.00	0.00	0.02	0.00	26.60	2.00	0.00	0.00	0.02	0.00
26.62	2.00	0.00	0.00	0.02	0.00	26.64	2.00	0.00	0.00	0.02	0.00
26.66	2.00	0.00	0.00	0.02	0.00	26.68	2.00	0.00	0.00	0.02	0.00
26.70	2.00	0.00	0.00	0.02	0.00	26.72	2.00	0.00	0.00	0.02	0.00
26.74	2.00	0.00	0.00	0.02	0.00	26.76	2.00	0.00	0.00	0.02	0.00
26.78	2.00	0.00	0.00	0.02	0.00	26.80	2.00	0.00	0.00	0.02	0.00
26.82	2.00	0.00	0.00	0.02	0.00	26.84	2.00	0.00	0.00	0.02	0.00
26.86	2.00	0.00	0.00	0.02	0.00	26.88	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
26.90	2.00	0.00	0.00	0.02	0.00	26.92	2.00	0.00	0.00	0.02	0.00
26.94	2.00	0.00	0.00	0.02	0.00	26.96	2.00	0.00	0.00	0.02	0.00
26.98	2.00	0.00	0.00	0.02	0.00	27.00	2.00	0.00	0.00	0.02	0.00
27.02	2.00	0.00	0.00	0.02	0.00	27.04	2.00	0.00	0.00	0.02	0.00
27.06	2.00	0.00	0.00	0.02	0.00	27.08	2.00	0.00	0.00	0.02	0.00
27.10	2.00	0.00	0.00	0.02	0.00	27.12	2.00	0.00	0.00	0.02	0.00
27.14	2.00	0.00	0.00	0.02	0.00	27.16	2.00	0.00	0.00	0.02	0.00
27.18	2.00	0.00	0.00	0.02	0.00	27.20	2.00	0.00	0.00	0.02	0.00
27.22	2.00	0.00	0.00	0.02	0.00	27.24	2.00	0.00	0.00	0.02	0.00
27.26	2.00	0.00	0.00	0.02	0.00	27.28	2.00	0.00	0.00	0.02	0.00
27.30	2.00	0.00	0.00	0.02	0.00	27.32	2.00	0.00	0.00	0.02	0.00
27.34	2.00	0.00	0.00	0.02	0.00	27.36	2.00	0.00	0.00	0.02	0.00
27.38	2.00	0.00	0.00	0.02	0.00	27.40	2.00	0.00	0.00	0.02	0.00
27.42	2.00	0.00	0.00	0.02	0.00	27.44	2.00	0.00	0.00	0.02	0.00
27.46	2.00	0.00	0.00	0.02	0.00	27.48	2.00	0.00	0.00	0.02	0.00
27.50	2.00	0.00	0.00	0.02	0.00	27.52	2.00	0.00	0.00	0.02	0.00
27.54	2.00	0.00	0.00	0.02	0.00	27.56	2.00	0.00	0.00	0.02	0.00
27.58	2.00	0.00	0.00	0.02	0.00	27.60	2.00	0.00	0.00	0.02	0.00
27.62	2.00	0.00	0.00	0.02	0.00	27.64	2.00	0.00	0.00	0.02	0.00
27.66	2.00	0.00	0.00	0.02	0.00	27.68	2.00	0.00	0.00	0.02	0.00
27.70	2.00	0.00	0.00	0.02	0.00	27.72	2.00	0.00	0.00	0.02	0.00
27.74	2.00	0.00	0.00	0.02	0.00	27.76	2.00	0.00	0.00	0.02	0.00
27.78	2.00	0.00	0.00	0.02	0.00	27.80	2.00	0.00	0.00	0.02	0.00
27.82	2.00	0.00	0.00	0.02	0.00	27.84	2.00	0.00	0.00	0.02	0.00
27.86	2.00	0.00	0.00	0.02	0.00	27.88	2.00	0.00	0.00	0.02	0.00
27.90	2.00	0.00	0.00	0.02	0.00	27.92	2.00	0.00	0.00	0.02	0.00
27.94	2.00	0.00	0.00	0.02	0.00	27.96	2.00	0.00	0.00	0.02	0.00
27.98	2.00	0.00	0.00	0.02	0.00	28.00	2.00	0.00	0.00	0.02	0.00
28.02	2.00	0.00	0.00	0.02	0.00	28.04	2.00	0.00	0.00	0.02	0.00
28.06	2.00	0.00	0.00	0.02	0.00	28.08	2.00	0.00	0.00	0.02	0.00
28.10	2.00	0.00	0.00	0.02	0.00	28.12	2.00	0.00	0.00	0.02	0.00
28.14	2.00	0.00	0.00	0.02	0.00	28.16	2.00	0.00	0.00	0.02	0.00
28.18	2.00	0.00	0.00	0.02	0.00	28.20	2.00	0.00	0.00	0.02	0.00
28.22	2.00	0.00	0.00	0.02	0.00	28.24	2.00	0.00	0.00	0.02	0.00
28.26	2.00	0.00	0.00	0.02	0.00	28.28	2.00	0.00	0.00	0.02	0.00
28.30	2.00	0.00	0.00	0.02	0.00	28.32	2.00	0.00	0.00	0.02	0.00
28.34	2.00	0.00	0.00	0.02	0.00	28.36	2.00	0.00	0.00	0.02	0.00
28.38	2.00	0.00	0.00	0.02	0.00	28.40	2.00	0.00	0.00	0.02	0.00
28.42	2.00	0.00	0.00	0.02	0.00	28.44	2.00	0.00	0.00	0.02	0.00
28.46	2.00	0.00	0.00	0.02	0.00	28.48	2.00	0.00	0.00	0.02	0.00
28.50	2.00	0.00	0.00	0.02	0.00	28.52	2.00	0.00	0.00	0.02	0.00
28.54	2.00	0.00	0.00	0.02	0.00	28.56	2.00	0.00	0.00	0.02	0.00
28.58	2.00	0.00	0.00	0.02	0.00	28.60	2.00	0.00	0.00	0.02	0.00
28.62	2.00	0.00	0.00	0.02	0.00	28.64	2.00	0.00	0.00	0.02	0.00
28.66	2.00	0.00	0.00	0.02	0.00	28.68	2.00	0.00	0.00	0.02	0.00
28.70	2.00	0.00	0.00	0.02	0.00	28.72	2.00	0.00	0.00	0.02	0.00
28.74	2.00	0.00	0.00	0.02	0.00	28.76	2.00	0.00	0.00	0.02	0.00
28.78	2.00	0.00	0.00	0.02	0.00	28.80	2.00	0.00	0.00	0.02	0.00

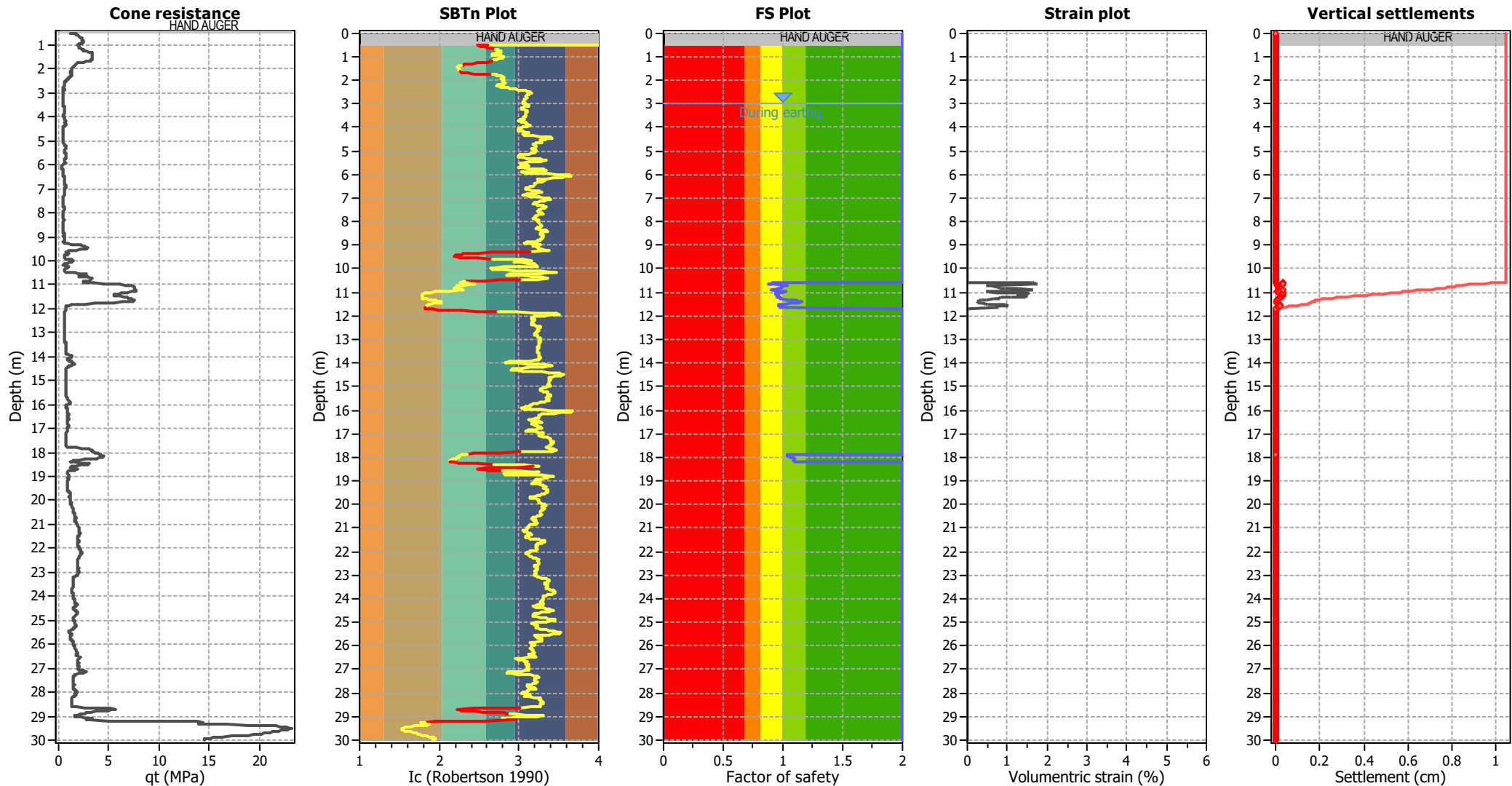
:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
28.82	2.00	0.00	0.00	0.02	0.00	28.84	2.00	0.00	0.00	0.02	0.00
28.86	2.00	0.00	0.00	0.02	0.00	28.88	2.00	0.00	0.00	0.02	0.00
28.90	2.00	0.00	0.00	0.02	0.00	28.92	2.00	0.00	0.00	0.02	0.00
28.94	2.00	0.00	0.00	0.02	0.00	28.96	2.00	0.00	0.00	0.02	0.00
28.98	2.00	0.00	0.00	0.02	0.00	29.00	2.00	0.00	0.00	0.02	0.00
29.02	2.00	0.00	0.00	0.02	0.00	29.04	2.00	0.00	0.00	0.02	0.00
29.06	2.00	0.00	0.00	0.02	0.00	29.08	2.00	0.00	0.00	0.02	0.00
29.10	2.00	0.00	0.00	0.02	0.00	29.12	2.00	0.00	0.00	0.02	0.00
29.14	2.00	0.00	0.00	0.02	0.00	29.16	2.00	0.00	0.00	0.02	0.00
29.18	2.00	0.00	0.00	0.02	0.00	29.20	2.00	0.00	0.00	0.02	0.00
29.22	2.00	0.00	0.00	0.02	0.00	29.24	2.00	0.00	0.00	0.02	0.00
29.26	2.00	0.00	0.00	0.02	0.00	29.28	2.00	0.00	0.00	0.02	0.00
29.30	2.00	0.00	0.00	0.02	0.00	29.32	2.00	0.00	0.00	0.02	0.00
29.34	2.00	0.00	0.00	0.02	0.00	29.36	2.00	0.00	0.00	0.02	0.00
29.38	2.00	0.00	0.00	0.02	0.00	29.40	2.00	0.00	0.00	0.02	0.00
29.42	2.00	0.00	0.00	0.02	0.00	29.44	2.00	0.00	0.00	0.02	0.00
29.46	2.00	0.00	0.00	0.02	0.00	29.48	2.00	0.00	0.00	0.02	0.00
29.50	2.00	0.00	0.00	0.02	0.00	29.52	2.00	0.00	0.00	0.02	0.00
29.54	2.00	0.00	0.00	0.02	0.00	29.56	2.00	0.00	0.00	0.02	0.00
29.58	2.00	0.00	0.00	0.02	0.00	29.60	2.00	0.00	0.00	0.02	0.00
29.62	2.00	0.00	0.00	0.02	0.00	29.64	2.00	0.00	0.00	0.02	0.00
29.66	2.00	0.00	0.00	0.02	0.00	29.68	2.00	0.00	0.00	0.02	0.00
29.70	2.00	0.00	0.00	0.02	0.00	29.72	2.00	0.00	0.00	0.02	0.00
29.74	2.00	0.00	0.00	0.02	0.00	29.76	2.00	0.00	0.00	0.02	0.00
29.78	2.00	0.00	0.00	0.02	0.00	29.80	2.00	0.00	0.00	0.02	0.00
29.82	2.00	0.00	0.00	0.02	0.00	29.84	2.00	0.00	0.00	0.02	0.00
29.86	2.00	0.00	0.00	0.02	0.00	29.88	2.00	0.00	0.00	0.02	0.00
29.90	2.00	0.00	0.00	0.02	0.00	29.92	2.00	0.00	0.00	0.02	0.00
29.94	2.00	0.00	0.00	0.02	0.00	29.96	2.00	0.00	0.00	0.02	0.00
29.98	2.00	0.00	0.00	0.02	0.00	30.00	2.00	0.00	0.00	0.02	0.00
Overall liquefaction potential: 0.15											

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

- FS: Calculated factor of safety for test point
- d_z: Layer thickness (m)
- LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

- q_c : 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

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.00	7.21	2.00	0.00	0.83	0.00	3.02	7.72	2.00	0.00	0.83	0.00
3.04	7.21	2.00	0.00	0.83	0.00	3.06	7.05	2.00	0.00	0.83	0.00
3.08	7.05	2.00	0.00	0.83	0.00	3.10	7.05	2.00	0.00	0.83	0.00
3.12	7.21	2.00	0.00	0.83	0.00	3.14	7.55	2.00	0.00	0.83	0.00
3.16	7.21	2.00	0.00	0.82	0.00	3.18	7.55	2.00	0.00	0.82	0.00
3.20	7.55	2.00	0.00	0.82	0.00	3.22	7.72	2.00	0.00	0.82	0.00
3.24	7.55	2.00	0.00	0.82	0.00	3.26	7.55	2.00	0.00	0.82	0.00
3.28	7.05	2.00	0.00	0.82	0.00	3.30	7.05	2.00	0.00	0.82	0.00
3.32	7.05	2.00	0.00	0.82	0.00	3.34	6.88	2.00	0.00	0.81	0.00
3.36	7.05	2.00	0.00	0.81	0.00	3.38	7.38	2.00	0.00	0.81	0.00
3.40	7.38	2.00	0.00	0.81	0.00	3.42	7.05	2.00	0.00	0.81	0.00
3.44	7.55	2.00	0.00	0.81	0.00	3.46	7.38	2.00	0.00	0.81	0.00
3.48	7.38	2.00	0.00	0.81	0.00	3.50	7.38	2.00	0.00	0.81	0.00
3.52	7.55	2.00	0.00	0.80	0.00	3.54	7.38	2.00	0.00	0.80	0.00
3.56	7.89	2.00	0.00	0.80	0.00	3.58	7.89	2.00	0.00	0.80	0.00
3.60	7.55	2.00	0.00	0.80	0.00	3.62	7.55	2.00	0.00	0.80	0.00
3.64	7.89	2.00	0.00	0.80	0.00	3.66	8.05	2.00	0.00	0.80	0.00
3.68	8.56	2.00	0.00	0.80	0.00	3.70	8.72	2.00	0.00	0.79	0.00
3.72	8.72	2.00	0.00	0.79	0.00	3.74	8.89	2.00	0.00	0.79	0.00
3.76	8.56	2.00	0.00	0.79	0.00	3.78	8.56	2.00	0.00	0.79	0.00
3.80	8.39	2.00	0.00	0.79	0.00	3.82	8.05	2.00	0.00	0.79	0.00
3.84	8.05	2.00	0.00	0.79	0.00	3.86	8.39	2.00	0.00	0.79	0.00
3.88	7.89	2.00	0.00	0.78	0.00	3.90	6.88	2.00	0.00	0.78	0.00
3.92	6.71	2.00	0.00	0.78	0.00	3.94	7.05	2.00	0.00	0.78	0.00
3.96	7.05	2.00	0.00	0.78	0.00	3.98	7.72	2.00	0.00	0.78	0.00
4.00	7.72	2.00	0.00	0.78	0.00	4.02	8.56	2.00	0.00	0.78	0.00
4.04	8.72	2.00	0.00	0.78	0.00	4.06	9.06	2.00	0.00	0.77	0.00
4.08	9.23	2.00	0.00	0.77	0.00	4.10	9.23	2.00	0.00	0.77	0.00
4.12	9.56	2.00	0.00	0.77	0.00	4.14	10.07	2.00	0.00	0.77	0.00
4.16	10.23	2.00	0.00	0.77	0.00	4.18	9.73	2.00	0.00	0.77	0.00
4.20	9.71	2.00	0.00	0.77	0.00	4.22	9.53	2.00	0.00	0.77	0.00
4.24	9.67	2.00	0.00	0.76	0.00	4.26	10.14	2.00	0.00	0.76	0.00
4.28	10.92	2.00	0.00	0.76	0.00	4.30	10.90	2.00	0.00	0.76	0.00
4.32	10.72	2.00	0.00	0.76	0.00	4.34	10.22	2.00	0.00	0.76	0.00
4.36	9.40	2.00	0.00	0.76	0.00	4.38	8.27	2.00	0.00	0.76	0.00
4.40	7.29	2.00	0.00	0.76	0.00	4.42	6.95	2.00	0.00	0.75	0.00
4.44	6.61	2.00	0.00	0.75	0.00	4.46	6.28	2.00	0.00	0.75	0.00
4.48	6.11	2.00	0.00	0.75	0.00	4.50	6.42	2.00	0.00	0.75	0.00
4.52	6.25	2.00	0.00	0.75	0.00	4.54	6.24	2.00	0.00	0.75	0.00
4.56	6.23	2.00	0.00	0.75	0.00	4.58	6.22	2.00	0.00	0.75	0.00
4.60	6.05	2.00	0.00	0.74	0.00	4.62	6.04	2.00	0.00	0.74	0.00
4.64	6.03	2.00	0.00	0.74	0.00	4.66	6.18	2.00	0.00	0.74	0.00
4.68	6.65	2.00	0.00	0.74	0.00	4.70	6.79	2.00	0.00	0.74	0.00
4.72	6.94	2.00	0.00	0.74	0.00	4.74	6.77	2.00	0.00	0.74	0.00
4.76	6.76	2.00	0.00	0.74	0.00	4.78	6.75	2.00	0.00	0.73	0.00
4.80	6.74	2.00	0.00	0.73	0.00	4.82	6.73	2.00	0.00	0.73	0.00
4.84	6.88	2.00	0.00	0.73	0.00	4.86	6.87	2.00	0.00	0.73	0.00
4.88	6.86	2.00	0.00	0.73	0.00	4.90	6.84	2.00	0.00	0.73	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.92	7.15	2.00	0.00	0.73	0.00	4.94	7.13	2.00	0.00	0.73	0.00
4.96	6.97	2.00	0.00	0.72	0.00	4.98	6.80	2.00	0.00	0.72	0.00
5.00	6.79	2.00	0.00	0.72	0.00	5.02	6.94	2.00	0.00	0.72	0.00
5.04	6.93	2.00	0.00	0.72	0.00	5.06	6.91	2.00	0.00	0.72	0.00
5.08	7.06	2.00	0.00	0.72	0.00	5.10	7.05	2.00	0.00	0.72	0.00
5.12	7.34	2.00	0.00	0.72	0.00	5.14	8.09	2.00	0.00	0.71	0.00
5.16	8.53	2.00	0.00	0.71	0.00	5.18	8.82	2.00	0.00	0.71	0.00
5.20	9.11	2.00	0.00	0.71	0.00	5.22	9.25	2.00	0.00	0.71	0.00
5.24	9.38	2.00	0.00	0.71	0.00	5.26	10.11	2.00	0.00	0.71	0.00
5.28	10.99	2.00	0.00	0.71	0.00	5.30	10.97	2.00	0.00	0.71	0.00
5.32	10.36	2.00	0.00	0.70	0.00	5.34	9.90	2.00	0.00	0.70	0.00
5.36	9.14	2.00	0.00	0.70	0.00	5.38	8.38	2.00	0.00	0.70	0.00
5.40	8.07	2.00	0.00	0.70	0.00	5.42	8.06	2.00	0.00	0.70	0.00
5.44	8.19	2.00	0.00	0.70	0.00	5.46	8.48	2.00	0.00	0.70	0.00
5.48	8.76	2.00	0.00	0.70	0.00	5.50	9.33	2.00	0.00	0.69	0.00
5.52	9.61	2.00	0.00	0.69	0.00	5.54	9.60	2.00	0.00	0.69	0.00
5.56	9.29	2.00	0.00	0.69	0.00	5.58	8.84	2.00	0.00	0.69	0.00
5.60	8.82	2.00	0.00	0.69	0.00	5.62	8.66	2.00	0.00	0.69	0.00
5.64	8.80	2.00	0.00	0.69	0.00	5.66	10.52	2.00	0.00	0.69	0.00
5.68	10.79	2.00	0.00	0.68	0.00	5.70	10.49	2.00	0.00	0.68	0.00
5.72	10.47	2.00	0.00	0.68	0.00	5.74	9.74	2.00	0.00	0.68	0.00
5.76	8.14	2.00	0.00	0.68	0.00	5.78	7.40	2.00	0.00	0.68	0.00
5.80	7.24	2.00	0.00	0.68	0.00	5.82	7.23	2.00	0.00	0.68	0.00
5.84	7.22	2.00	0.00	0.68	0.00	5.86	6.92	2.00	0.00	0.67	0.00
5.88	8.78	2.00	0.00	0.67	0.00	5.90	9.76	2.00	0.00	0.67	0.00
5.92	10.60	2.00	0.00	0.67	0.00	5.94	9.17	2.00	0.00	0.67	0.00
5.96	7.73	2.00	0.00	0.67	0.00	5.98	6.86	2.00	0.00	0.67	0.00
6.00	5.56	2.00	0.00	0.67	0.00	6.02	4.83	2.00	0.00	0.67	0.00
6.04	4.24	2.00	0.00	0.66	0.00	6.06	4.24	2.00	0.00	0.66	0.00
6.08	4.09	2.00	0.00	0.66	0.00	6.10	3.79	2.00	0.00	0.66	0.00
6.12	4.22	2.00	0.00	0.66	0.00	6.14	4.07	2.00	0.00	0.66	0.00
6.16	4.07	2.00	0.00	0.66	0.00	6.18	4.49	2.00	0.00	0.66	0.00
6.20	5.49	2.00	0.00	0.66	0.00	6.22	5.76	2.00	0.00	0.65	0.00
6.24	5.19	2.00	0.00	0.65	0.00	6.26	4.61	2.00	0.00	0.65	0.00
6.28	5.03	2.00	0.00	0.65	0.00	6.30	5.17	2.00	0.00	0.65	0.00
6.32	5.30	2.00	0.00	0.65	0.00	6.34	5.72	2.00	0.00	0.65	0.00
6.36	5.43	2.00	0.00	0.65	0.00	6.38	5.71	2.00	0.00	0.65	0.00
6.40	5.84	2.00	0.00	0.64	0.00	6.42	5.83	2.00	0.00	0.64	0.00
6.44	5.97	2.00	0.00	0.64	0.00	6.46	5.96	2.00	0.00	0.64	0.00
6.48	6.09	2.00	0.00	0.64	0.00	6.50	6.64	2.00	0.00	0.64	0.00
6.52	6.63	2.00	0.00	0.64	0.00	6.54	6.62	2.00	0.00	0.64	0.00
6.56	6.89	2.00	0.00	0.64	0.00	6.58	7.30	2.00	0.00	0.63	0.00
6.60	7.42	2.00	0.00	0.63	0.00	6.62	7.42	2.00	0.00	0.63	0.00
6.64	7.41	2.00	0.00	0.63	0.00	6.66	7.53	2.00	0.00	0.63	0.00
6.68	7.39	2.00	0.00	0.63	0.00	6.70	6.97	2.00	0.00	0.63	0.00
6.72	6.82	2.00	0.00	0.63	0.00	6.74	6.54	2.00	0.00	0.63	0.00
6.76	6.53	2.00	0.00	0.62	0.00	6.78	6.79	2.00	0.00	0.62	0.00
6.80	6.92	2.00	0.00	0.62	0.00	6.82	7.32	2.00	0.00	0.62	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
6.84	7.71	2.00	0.00	0.62	0.00	6.86	8.25	2.00	0.00	0.62	0.00
6.88	8.77	2.00	0.00	0.62	0.00	6.90	9.16	2.00	0.00	0.62	0.00
6.92	8.88	2.00	0.00	0.62	0.00	6.94	8.74	2.00	0.00	0.61	0.00
6.96	8.32	2.00	0.00	0.61	0.00	6.98	7.77	2.00	0.00	0.61	0.00
7.00	7.63	2.00	0.00	0.61	0.00	7.02	6.81	2.00	0.00	0.61	0.00
7.04	6.54	2.00	0.00	0.61	0.00	7.06	6.39	2.00	0.00	0.61	0.00
7.08	6.12	2.00	0.00	0.61	0.00	7.10	6.38	2.00	0.00	0.61	0.00
7.12	6.10	2.00	0.00	0.60	0.00	7.14	6.09	2.00	0.00	0.60	0.00
7.16	6.09	2.00	0.00	0.60	0.00	7.18	6.08	2.00	0.00	0.60	0.00
7.20	6.07	2.00	0.00	0.60	0.00	7.22	6.06	2.00	0.00	0.60	0.00
7.24	6.46	2.00	0.00	0.60	0.00	7.26	6.32	2.00	0.00	0.60	0.00
7.28	6.04	2.00	0.00	0.60	0.00	7.30	5.90	2.00	0.00	0.59	0.00
7.32	5.76	2.00	0.00	0.59	0.00	7.34	5.36	2.00	0.00	0.59	0.00
7.36	5.09	2.00	0.00	0.59	0.00	7.38	5.08	2.00	0.00	0.59	0.00
7.40	4.95	2.00	0.00	0.59	0.00	7.42	5.07	2.00	0.00	0.59	0.00
7.44	5.33	2.00	0.00	0.59	0.00	7.46	5.06	2.00	0.00	0.59	0.00
7.48	5.45	2.00	0.00	0.58	0.00	7.50	5.57	2.00	0.00	0.58	0.00
7.52	5.44	2.00	0.00	0.58	0.00	7.54	5.43	2.00	0.00	0.58	0.00
7.56	5.56	2.00	0.00	0.58	0.00	7.58	5.42	2.00	0.00	0.58	0.00
7.60	5.54	2.00	0.00	0.58	0.00	7.62	5.54	2.00	0.00	0.58	0.00
7.64	5.14	2.00	0.00	0.58	0.00	7.66	5.13	2.00	0.00	0.57	0.00
7.68	5.39	2.00	0.00	0.57	0.00	7.70	5.51	2.00	0.00	0.57	0.00
7.72	5.64	2.00	0.00	0.57	0.00	7.74	5.76	2.00	0.00	0.57	0.00
7.76	5.88	2.00	0.00	0.57	0.00	7.78	6.13	2.00	0.00	0.57	0.00
7.80	6.26	2.00	0.00	0.57	0.00	7.82	6.12	2.00	0.00	0.57	0.00
7.84	6.11	2.00	0.00	0.56	0.00	7.86	6.11	2.00	0.00	0.56	0.00
7.88	6.23	2.00	0.00	0.56	0.00	7.90	6.35	2.00	0.00	0.56	0.00
7.92	5.58	2.00	0.00	0.56	0.00	7.94	5.44	2.00	0.00	0.56	0.00
7.96	5.56	2.00	0.00	0.56	0.00	7.98	5.69	2.00	0.00	0.56	0.00
8.00	5.68	2.00	0.00	0.56	0.00	8.02	5.67	2.00	0.00	0.55	0.00
8.04	5.41	2.00	0.00	0.55	0.00	8.06	5.66	2.00	0.00	0.55	0.00
8.08	5.53	2.00	0.00	0.55	0.00	8.10	5.40	2.00	0.00	0.55	0.00
8.12	5.39	2.00	0.00	0.55	0.00	8.14	5.38	2.00	0.00	0.55	0.00
8.16	5.38	2.00	0.00	0.55	0.00	8.18	5.25	2.00	0.00	0.55	0.00
8.20	5.24	2.00	0.00	0.54	0.00	8.22	5.36	2.00	0.00	0.54	0.00
8.24	5.61	2.00	0.00	0.54	0.00	8.26	5.73	2.00	0.00	0.54	0.00
8.28	5.72	2.00	0.00	0.54	0.00	8.30	5.84	2.00	0.00	0.54	0.00
8.32	5.84	2.00	0.00	0.54	0.00	8.34	5.58	2.00	0.00	0.54	0.00
8.36	5.20	2.00	0.00	0.54	0.00	8.38	4.94	2.00	0.00	0.53	0.00
8.40	4.94	2.00	0.00	0.53	0.00	8.42	4.93	2.00	0.00	0.53	0.00
8.44	5.18	2.00	0.00	0.53	0.00	8.46	5.17	2.00	0.00	0.53	0.00
8.48	5.17	2.00	0.00	0.53	0.00	8.50	5.29	2.00	0.00	0.53	0.00
8.52	5.28	2.00	0.00	0.53	0.00	8.54	5.27	2.00	0.00	0.53	0.00
8.56	5.27	2.00	0.00	0.52	0.00	8.58	5.14	2.00	0.00	0.52	0.00
8.60	5.13	2.00	0.00	0.52	0.00	8.62	5.13	2.00	0.00	0.52	0.00
8.64	5.12	2.00	0.00	0.52	0.00	8.66	5.12	2.00	0.00	0.52	0.00
8.68	4.87	2.00	0.00	0.52	0.00	8.70	5.11	2.00	0.00	0.52	0.00
8.72	4.86	2.00	0.00	0.52	0.00	8.74	5.35	2.00	0.00	0.51	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
8.76	5.09	2.00	0.00	0.51	0.00	8.78	5.34	2.00	0.00	0.51	0.00
8.80	5.33	2.00	0.00	0.51	0.00	8.82	5.45	2.00	0.00	0.51	0.00
8.84	5.57	2.00	0.00	0.51	0.00	8.86	5.68	2.00	0.00	0.51	0.00
8.88	6.78	2.00	0.00	0.51	0.00	8.90	7.50	2.00	0.00	0.51	0.00
8.92	6.89	2.00	0.00	0.50	0.00	8.94	5.90	2.00	0.00	0.50	0.00
8.96	5.29	2.00	0.00	0.50	0.00	8.98	5.41	2.00	0.00	0.50	0.00
9.00	5.52	2.00	0.00	0.50	0.00	9.02	6.73	2.00	0.00	0.50	0.00
9.04	5.88	2.00	0.00	0.50	0.00	9.06	5.87	2.00	0.00	0.50	0.00
9.08	5.99	2.00	0.00	0.50	0.00	9.10	5.86	2.00	0.00	0.49	0.00
9.12	5.97	2.00	0.00	0.49	0.00	9.14	5.97	2.00	0.00	0.49	0.00
9.16	6.08	2.00	0.00	0.49	0.00	9.18	5.83	2.00	0.00	0.49	0.00
9.20	5.47	2.00	0.00	0.49	0.00	9.22	5.22	2.00	0.00	0.49	0.00
9.24	5.22	2.00	0.00	0.49	0.00	9.26	5.45	2.00	0.00	0.49	0.00
9.28	6.40	2.00	0.00	0.48	0.00	9.30	9.38	2.00	0.00	0.48	0.00
9.32	14.94	2.00	0.00	0.48	0.00	9.34	77.29	2.00	0.00	0.48	0.00
9.36	81.65	2.00	0.00	0.48	0.00	9.38	81.34	2.00	0.00	0.48	0.00
9.40	80.13	2.00	0.00	0.48	0.00	9.42	79.33	2.00	0.00	0.48	0.00
9.44	80.53	2.00	0.00	0.48	0.00	9.46	82.04	2.00	0.00	0.47	0.00
9.48	83.15	2.00	0.00	0.47	0.00	9.50	82.36	2.00	0.00	0.47	0.00
9.52	80.36	2.00	0.00	0.47	0.00	9.54	77.80	2.00	0.00	0.47	0.00
9.56	74.15	2.00	0.00	0.47	0.00	9.58	14.97	2.00	0.00	0.47	0.00
9.60	11.22	2.00	0.00	0.47	0.00	9.62	9.34	2.00	0.00	0.47	0.00
9.64	8.39	2.00	0.00	0.46	0.00	9.66	7.68	2.00	0.00	0.46	0.00
9.68	10.47	2.00	0.00	0.46	0.00	9.70	11.74	2.00	0.00	0.46	0.00
9.72	10.45	2.00	0.00	0.46	0.00	9.74	9.05	2.00	0.00	0.46	0.00
9.76	7.64	2.00	0.00	0.46	0.00	9.78	6.70	2.00	0.00	0.46	0.00
9.80	6.46	2.00	0.00	0.46	0.00	9.82	6.46	2.00	0.00	0.45	0.00
9.84	6.22	2.00	0.00	0.45	0.00	9.86	6.33	2.00	0.00	0.45	0.00
9.88	6.32	2.00	0.00	0.45	0.00	9.90	5.97	2.00	0.00	0.45	0.00
9.92	7.35	2.00	0.00	0.45	0.00	9.94	11.39	2.00	0.00	0.45	0.00
9.96	14.59	2.00	0.00	0.45	0.00	9.98	15.72	2.00	0.00	0.45	0.00
10.00	17.18	2.00	0.00	0.44	0.00	10.02	15.69	2.00	0.00	0.44	0.00
10.04	13.96	2.00	0.00	0.44	0.00	10.06	12.58	2.00	0.00	0.44	0.00
10.08	10.96	2.00	0.00	0.44	0.00	10.10	9.01	2.00	0.00	0.44	0.00
10.12	7.17	2.00	0.00	0.44	0.00	10.14	5.78	2.00	0.00	0.44	0.00
10.16	5.09	2.00	0.00	0.44	0.00	10.18	5.08	2.00	0.00	0.43	0.00
10.20	6.22	2.00	0.00	0.43	0.00	10.22	8.27	2.00	0.00	0.43	0.00
10.24	11.22	2.00	0.00	0.43	0.00	10.26	11.21	2.00	0.00	0.43	0.00
10.28	9.73	2.00	0.00	0.43	0.00	10.30	7.90	2.00	0.00	0.43	0.00
10.32	6.76	2.00	0.00	0.43	0.00	10.34	6.53	2.00	0.00	0.43	0.00
10.36	6.29	2.00	0.00	0.42	0.00	10.38	6.17	2.00	0.00	0.42	0.00
10.40	5.49	2.00	0.00	0.42	0.00	10.42	5.48	2.00	0.00	0.42	0.00
10.44	5.82	2.00	0.00	0.42	0.00	10.46	7.39	2.00	0.00	0.42	0.00
10.48	11.45	2.00	0.00	0.42	0.00	10.50	72.72	2.00	0.00	0.42	0.00
10.52	77.36	2.00	0.00	0.42	0.00	10.54	80.83	2.00	0.00	0.41	0.00
10.56	82.88	2.00	0.00	0.41	0.00	10.58	81.80	0.95	1.62	0.41	0.03
10.60	79.82	0.93	1.65	0.41	0.03	10.62	78.03	0.91	1.68	0.41	0.03
10.64	76.65	0.90	1.71	0.41	0.03	10.66	74.52	0.88	1.75	0.41	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
10.68	79.38	0.93	1.64	0.41	0.03	10.70	87.44	1.01	0.59	0.41	0.01
10.72	90.09	1.04	0.46	0.40	0.01	10.74	87.25	1.01	0.60	0.40	0.01
10.76	85.69	0.99	0.72	0.40	0.01	10.78	85.38	0.99	0.74	0.40	0.01
10.80	85.07	0.99	0.77	0.40	0.02	10.82	84.75	0.98	0.81	0.40	0.02
10.84	83.82	0.97	0.94	0.40	0.02	10.86	82.43	0.96	1.27	0.40	0.03
10.88	78.29	0.92	1.62	0.40	0.03	10.90	76.31	0.90	1.65	0.39	0.03
10.92	77.70	0.91	1.62	0.39	0.03	10.94	83.31	0.97	1.02	0.39	0.02
10.96	89.00	1.03	0.48	0.39	0.01	10.98	88.98	1.03	0.48	0.39	0.01
11.00	85.39	0.99	0.71	0.39	0.01	11.02	81.24	0.95	1.53	0.39	0.03
11.04	79.78	0.93	1.55	0.39	0.03	11.06	80.81	0.94	1.53	0.39	0.03
11.08	81.95	0.96	1.35	0.38	0.03	11.10	82.19	0.96	1.26	0.38	0.03
11.12	82.14	0.96	1.26	0.38	0.03	11.14	81.83	0.95	1.37	0.38	0.03
11.16	81.42	0.95	1.50	0.38	0.03	11.18	81.53	0.95	1.48	0.38	0.03
11.20	82.61	0.96	1.10	0.38	0.02	11.22	83.79	0.98	0.86	0.38	0.02
11.24	84.40	0.98	0.77	0.38	0.02	11.26	84.52	0.98	0.75	0.37	0.02
11.28	84.07	0.98	0.80	0.37	0.02	11.30	85.38	0.99	0.66	0.37	0.01
11.32	88.75	1.03	0.46	0.37	0.01	11.34	92.21	1.07	0.35	0.37	0.01
11.36	95.29	1.11	0.29	0.37	0.01	11.38	97.15	1.14	0.26	0.37	0.01
11.40	98.00	1.15	0.25	0.37	0.00	11.42	97.80	1.15	0.25	0.37	0.00
11.44	96.76	1.14	0.26	0.36	0.01	11.46	94.70	1.11	0.29	0.36	0.01
11.48	91.48	1.07	0.36	0.36	0.01	11.50	87.24	1.02	0.51	0.36	0.01
11.52	83.99	0.98	0.76	0.36	0.02	11.54	82.77	0.97	0.94	0.36	0.02
11.56	82.40	0.96	1.01	0.36	0.02	11.58	83.14	0.97	0.86	0.36	0.02
11.60	84.13	0.98	0.72	0.36	0.01	11.62	83.95	0.98	0.74	0.35	0.01
11.64	83.61	0.98	0.78	0.35	0.02	11.66	83.67	0.98	0.76	0.35	0.02
11.68	83.83	2.00	0.00	0.35	0.00	11.70	85.42	2.00	0.00	0.35	0.00
11.72	90.01	2.00	0.00	0.35	0.00	11.74	94.28	2.00	0.00	0.35	0.00
11.76	95.07	2.00	0.00	0.35	0.00	11.78	90.76	2.00	0.00	0.35	0.00
11.80	83.00	2.00	0.00	0.34	0.00	11.82	18.13	2.00	0.00	0.34	0.00
11.84	13.39	2.00	0.00	0.34	0.00	11.86	9.39	2.00	0.00	0.34	0.00
11.88	8.12	2.00	0.00	0.34	0.00	11.90	6.85	2.00	0.00	0.34	0.00
11.92	6.53	2.00	0.00	0.34	0.00	11.94	6.21	2.00	0.00	0.34	0.00
11.96	6.21	2.00	0.00	0.34	0.00	11.98	6.51	2.00	0.00	0.33	0.00
12.00	6.30	2.00	0.00	0.33	0.00	12.02	6.19	2.00	0.00	0.33	0.00
12.04	5.98	2.00	0.00	0.33	0.00	12.06	6.08	2.00	0.00	0.33	0.00
12.08	5.97	2.00	0.00	0.33	0.00	12.10	5.75	2.00	0.00	0.33	0.00
12.12	5.65	2.00	0.00	0.33	0.00	12.14	5.54	2.00	0.00	0.33	0.00
12.16	5.43	2.00	0.00	0.32	0.00	12.18	5.32	2.00	0.00	0.32	0.00
12.20	5.42	2.00	0.00	0.32	0.00	12.22	5.42	2.00	0.00	0.32	0.00
12.24	5.31	2.00	0.00	0.32	0.00	12.26	5.41	2.00	0.00	0.32	0.00
12.28	5.10	2.00	0.00	0.32	0.00	12.30	5.09	2.00	0.00	0.32	0.00
12.32	5.30	2.00	0.00	0.32	0.00	12.34	5.29	2.00	0.00	0.31	0.00
12.36	5.08	2.00	0.00	0.31	0.00	12.38	5.29	2.00	0.00	0.31	0.00
12.40	5.08	2.00	0.00	0.31	0.00	12.42	4.97	2.00	0.00	0.31	0.00
12.44	4.86	2.00	0.00	0.31	0.00	12.46	4.86	2.00	0.00	0.31	0.00
12.48	4.55	2.00	0.00	0.31	0.00	12.50	4.75	2.00	0.00	0.31	0.00
12.52	4.85	2.00	0.00	0.30	0.00	12.54	4.85	2.00	0.00	0.30	0.00
12.56	4.84	2.00	0.00	0.30	0.00	12.58	4.84	2.00	0.00	0.30	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
12.60	4.84	2.00	0.00	0.30	0.00	12.62	4.83	2.00	0.00	0.30	0.00
12.64	4.83	2.00	0.00	0.30	0.00	12.66	4.93	2.00	0.00	0.30	0.00
12.68	4.93	2.00	0.00	0.30	0.00	12.70	5.03	2.00	0.00	0.29	0.00
12.72	5.02	2.00	0.00	0.29	0.00	12.74	5.12	2.00	0.00	0.29	0.00
12.76	5.12	2.00	0.00	0.29	0.00	12.78	5.32	2.00	0.00	0.29	0.00
12.80	5.32	2.00	0.00	0.29	0.00	12.82	5.31	2.00	0.00	0.29	0.00
12.84	5.10	2.00	0.00	0.29	0.00	12.86	4.90	2.00	0.00	0.29	0.00
12.88	5.00	2.00	0.00	0.28	0.00	12.90	5.09	2.00	0.00	0.28	0.00
12.92	4.99	2.00	0.00	0.28	0.00	12.94	4.99	2.00	0.00	0.28	0.00
12.96	4.98	2.00	0.00	0.28	0.00	12.98	4.98	2.00	0.00	0.28	0.00
13.00	4.87	2.00	0.00	0.28	0.00	13.02	4.87	2.00	0.00	0.28	0.00
13.04	4.97	2.00	0.00	0.28	0.00	13.06	4.96	2.00	0.00	0.27	0.00
13.08	4.96	2.00	0.00	0.27	0.00	13.10	4.96	2.00	0.00	0.27	0.00
13.12	4.95	2.00	0.00	0.27	0.00	13.14	5.05	2.00	0.00	0.27	0.00
13.16	5.05	2.00	0.00	0.27	0.00	13.18	5.05	2.00	0.00	0.27	0.00
13.20	5.34	2.00	0.00	0.27	0.00	13.22	5.14	2.00	0.00	0.27	0.00
13.24	5.14	2.00	0.00	0.26	0.00	13.26	5.13	2.00	0.00	0.26	0.00
13.28	5.13	2.00	0.00	0.26	0.00	13.30	5.33	2.00	0.00	0.26	0.00
13.32	5.32	2.00	0.00	0.26	0.00	13.34	5.32	2.00	0.00	0.26	0.00
13.36	5.41	2.00	0.00	0.26	0.00	13.38	5.31	2.00	0.00	0.26	0.00
13.40	5.41	2.00	0.00	0.26	0.00	13.42	5.30	2.00	0.00	0.25	0.00
13.44	5.40	2.00	0.00	0.25	0.00	13.46	5.40	2.00	0.00	0.25	0.00
13.48	5.49	2.00	0.00	0.25	0.00	13.50	5.49	2.00	0.00	0.25	0.00
13.52	5.48	2.00	0.00	0.25	0.00	13.54	5.48	2.00	0.00	0.25	0.00
13.56	5.48	2.00	0.00	0.25	0.00	13.58	5.47	2.00	0.00	0.25	0.00
13.60	5.47	2.00	0.00	0.24	0.00	13.62	5.47	2.00	0.00	0.24	0.00
13.64	5.46	2.00	0.00	0.24	0.00	13.66	5.46	2.00	0.00	0.24	0.00
13.68	5.45	2.00	0.00	0.24	0.00	13.70	5.45	2.00	0.00	0.24	0.00
13.72	5.45	2.00	0.00	0.24	0.00	13.74	5.44	2.00	0.00	0.24	0.00
13.76	5.44	2.00	0.00	0.24	0.00	13.78	5.44	2.00	0.00	0.23	0.00
13.80	5.53	2.00	0.00	0.23	0.00	13.82	5.53	2.00	0.00	0.23	0.00
13.84	5.52	2.00	0.00	0.23	0.00	13.86	5.62	2.00	0.00	0.23	0.00
13.88	5.61	2.00	0.00	0.23	0.00	13.90	6.10	2.00	0.00	0.23	0.00
13.92	7.28	2.00	0.00	0.23	0.00	13.94	9.44	2.00	0.00	0.23	0.00
13.96	11.20	2.00	0.00	0.22	0.00	13.98	11.97	2.00	0.00	0.22	0.00
14.00	12.55	2.00	0.00	0.22	0.00	14.02	12.35	2.00	0.00	0.22	0.00
14.04	11.26	2.00	0.00	0.22	0.00	14.06	9.88	2.00	0.00	0.22	0.00
14.08	8.99	2.00	0.00	0.22	0.00	14.10	8.30	2.00	0.00	0.22	0.00
14.12	7.90	2.00	0.00	0.22	0.00	14.14	8.09	2.00	0.00	0.21	0.00
14.16	8.28	2.00	0.00	0.21	0.00	14.18	9.24	2.00	0.00	0.21	0.00
14.20	9.92	2.00	0.00	0.21	0.00	14.22	10.88	2.00	0.00	0.21	0.00
14.24	11.75	2.00	0.00	0.21	0.00	14.26	12.61	2.00	0.00	0.21	0.00
14.28	13.38	2.00	0.00	0.21	0.00	14.30	14.14	2.00	0.00	0.21	0.00
14.32	14.52	2.00	0.00	0.20	0.00	14.34	13.93	2.00	0.00	0.20	0.00
14.36	12.56	2.00	0.00	0.20	0.00	14.38	10.71	2.00	0.00	0.20	0.00
14.40	9.73	2.00	0.00	0.20	0.00	14.42	8.76	2.00	0.00	0.20	0.00
14.44	8.08	2.00	0.00	0.20	0.00	14.46	7.50	2.00	0.00	0.20	0.00
14.48	6.91	2.00	0.00	0.20	0.00	14.50	6.62	2.00	0.00	0.19	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
14.52	6.32	2.00	0.00	0.19	0.00	14.54	6.42	2.00	0.00	0.19	0.00
14.56	6.41	2.00	0.00	0.19	0.00	14.58	6.50	2.00	0.00	0.19	0.00
14.60	6.40	2.00	0.00	0.19	0.00	14.62	6.30	2.00	0.00	0.19	0.00
14.64	6.10	2.00	0.00	0.19	0.00	14.66	6.10	2.00	0.00	0.19	0.00
14.68	6.10	2.00	0.00	0.18	0.00	14.70	5.90	2.00	0.00	0.18	0.00
14.72	5.90	2.00	0.00	0.18	0.00	14.74	5.89	2.00	0.00	0.18	0.00
14.76	5.89	2.00	0.00	0.18	0.00	14.78	5.88	2.00	0.00	0.18	0.00
14.80	5.88	2.00	0.00	0.18	0.00	14.82	5.78	2.00	0.00	0.18	0.00
14.84	5.68	2.00	0.00	0.18	0.00	14.86	5.30	2.00	0.00	0.17	0.00
14.88	5.39	2.00	0.00	0.17	0.00	14.90	5.58	2.00	0.00	0.17	0.00
14.92	5.38	2.00	0.00	0.17	0.00	14.94	5.38	2.00	0.00	0.17	0.00
14.96	5.38	2.00	0.00	0.17	0.00	14.98	5.37	2.00	0.00	0.17	0.00
15.00	5.56	2.00	0.00	0.17	0.00	15.02	5.74	2.00	0.00	0.17	0.00
15.04	5.74	2.00	0.00	0.16	0.00	15.06	5.92	2.00	0.00	0.16	0.00
15.08	6.11	2.00	0.00	0.16	0.00	15.10	6.10	2.00	0.00	0.16	0.00
15.12	6.19	2.00	0.00	0.16	0.00	15.14	6.38	2.00	0.00	0.16	0.00
15.16	6.37	2.00	0.00	0.16	0.00	15.18	6.18	2.00	0.00	0.16	0.00
15.20	6.18	2.00	0.00	0.16	0.00	15.22	6.08	2.00	0.00	0.15	0.00
15.24	5.89	2.00	0.00	0.15	0.00	15.26	5.88	2.00	0.00	0.15	0.00
15.28	5.88	2.00	0.00	0.15	0.00	15.30	5.87	2.00	0.00	0.15	0.00
15.32	5.87	2.00	0.00	0.15	0.00	15.34	5.87	2.00	0.00	0.15	0.00
15.36	5.68	2.00	0.00	0.15	0.00	15.38	5.58	2.00	0.00	0.15	0.00
15.40	5.67	2.00	0.00	0.14	0.00	15.42	5.76	2.00	0.00	0.14	0.00
15.44	5.75	2.00	0.00	0.14	0.00	15.46	5.84	2.00	0.00	0.14	0.00
15.48	6.02	2.00	0.00	0.14	0.00	15.50	5.83	2.00	0.00	0.14	0.00
15.52	5.83	2.00	0.00	0.14	0.00	15.54	5.73	2.00	0.00	0.14	0.00
15.56	5.73	2.00	0.00	0.14	0.00	15.58	5.73	2.00	0.00	0.13	0.00
15.60	5.81	2.00	0.00	0.13	0.00	15.62	5.81	2.00	0.00	0.13	0.00
15.64	5.99	2.00	0.00	0.13	0.00	15.66	6.17	2.00	0.00	0.13	0.00
15.68	6.26	2.00	0.00	0.13	0.00	15.70	6.53	2.00	0.00	0.13	0.00
15.72	6.71	2.00	0.00	0.13	0.00	15.74	6.80	2.00	0.00	0.13	0.00
15.76	7.17	2.00	0.00	0.12	0.00	15.78	7.35	2.00	0.00	0.12	0.00
15.80	7.62	2.00	0.00	0.12	0.00	15.82	7.70	2.00	0.00	0.12	0.00
15.84	7.88	2.00	0.00	0.12	0.00	15.86	8.52	2.00	0.00	0.12	0.00
15.88	9.16	2.00	0.00	0.12	0.00	15.90	9.89	2.00	0.00	0.12	0.00
15.92	9.97	2.00	0.00	0.12	0.00	15.94	9.78	2.00	0.00	0.11	0.00
15.96	9.41	2.00	0.00	0.11	0.00	15.98	8.67	2.00	0.00	0.11	0.00
16.00	7.84	2.00	0.00	0.11	0.00	16.02	6.73	2.00	0.00	0.11	0.00
16.04	6.18	2.00	0.00	0.11	0.00	16.06	5.63	2.00	0.00	0.11	0.00
16.08	5.72	2.00	0.00	0.11	0.00	16.10	5.89	2.00	0.00	0.11	0.00
16.12	6.07	2.00	0.00	0.10	0.00	16.14	6.25	2.00	0.00	0.10	0.00
16.16	6.70	2.00	0.00	0.10	0.00	16.18	6.78	2.00	0.00	0.10	0.00
16.20	7.05	2.00	0.00	0.10	0.00	16.22	7.14	2.00	0.00	0.10	0.00
16.24	7.22	2.00	0.00	0.10	0.00	16.26	7.13	2.00	0.00	0.10	0.00
16.28	6.94	2.00	0.00	0.10	0.00	16.30	7.03	2.00	0.00	0.09	0.00
16.32	7.21	2.00	0.00	0.09	0.00	16.34	7.02	2.00	0.00	0.09	0.00
16.36	7.47	2.00	0.00	0.09	0.00	16.38	7.91	2.00	0.00	0.09	0.00
16.40	8.54	2.00	0.00	0.09	0.00	16.42	8.54	2.00	0.00	0.09	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
16.44	7.90	2.00	0.00	0.09	0.00	16.46	7.53	2.00	0.00	0.09	0.00
16.48	7.08	2.00	0.00	0.08	0.00	16.50	6.44	2.00	0.00	0.08	0.00
16.52	6.71	2.00	0.00	0.08	0.00	16.54	7.15	2.00	0.00	0.08	0.00
16.56	7.96	2.00	0.00	0.08	0.00	16.58	8.13	2.00	0.00	0.08	0.00
16.60	8.04	2.00	0.00	0.08	0.00	16.62	7.49	2.00	0.00	0.08	0.00
16.64	7.22	2.00	0.00	0.08	0.00	16.66	7.04	2.00	0.00	0.07	0.00
16.68	6.67	2.00	0.00	0.07	0.00	16.70	6.67	2.00	0.00	0.07	0.00
16.72	6.58	2.00	0.00	0.07	0.00	16.74	6.57	2.00	0.00	0.07	0.00
16.76	6.39	2.00	0.00	0.07	0.00	16.78	6.12	2.00	0.00	0.07	0.00
16.80	6.65	2.00	0.00	0.07	0.00	16.82	7.09	2.00	0.00	0.07	0.00
16.84	6.46	2.00	0.00	0.06	0.00	16.86	8.51	2.00	0.00	0.06	0.00
16.88	8.68	2.00	0.00	0.06	0.00	16.90	8.59	2.00	0.00	0.06	0.00
16.92	7.87	2.00	0.00	0.06	0.00	16.94	6.89	2.00	0.00	0.06	0.00
16.96	6.62	2.00	0.00	0.06	0.00	16.98	6.52	2.00	0.00	0.06	0.00
17.00	6.52	2.00	0.00	0.06	0.00	17.02	6.60	2.00	0.00	0.05	0.00
17.04	6.42	2.00	0.00	0.05	0.00	17.06	6.42	2.00	0.00	0.05	0.00
17.08	6.95	2.00	0.00	0.05	0.00	17.10	6.85	2.00	0.00	0.05	0.00
17.12	6.58	2.00	0.00	0.05	0.00	17.14	6.14	2.00	0.00	0.05	0.00
17.16	6.05	2.00	0.00	0.05	0.00	17.18	6.13	2.00	0.00	0.05	0.00
17.20	6.04	2.00	0.00	0.04	0.00	17.22	5.86	2.00	0.00	0.04	0.00
17.24	5.86	2.00	0.00	0.04	0.00	17.26	5.76	2.00	0.00	0.04	0.00
17.28	5.85	2.00	0.00	0.04	0.00	17.30	5.76	2.00	0.00	0.04	0.00
17.32	5.67	2.00	0.00	0.04	0.00	17.34	5.40	2.00	0.00	0.04	0.00
17.36	5.48	2.00	0.00	0.04	0.00	17.38	5.48	2.00	0.00	0.03	0.00
17.40	5.48	2.00	0.00	0.03	0.00	17.42	5.47	2.00	0.00	0.03	0.00
17.44	5.47	2.00	0.00	0.03	0.00	17.46	5.64	2.00	0.00	0.03	0.00
17.48	5.64	2.00	0.00	0.03	0.00	17.50	5.64	2.00	0.00	0.03	0.00
17.52	5.63	2.00	0.00	0.03	0.00	17.54	5.72	2.00	0.00	0.03	0.00
17.56	5.97	2.00	0.00	0.02	0.00	17.58	5.97	2.00	0.00	0.02	0.00
17.60	5.97	2.00	0.00	0.02	0.00	17.62	5.70	2.00	0.00	0.02	0.00
17.64	5.61	2.00	0.00	0.02	0.00	17.66	5.44	2.00	0.00	0.02	0.00
17.68	5.35	2.00	0.00	0.02	0.00	17.70	5.26	2.00	0.00	0.02	0.00
17.72	5.25	2.00	0.00	0.02	0.00	17.74	5.42	2.00	0.00	0.01	0.00
17.76	6.20	2.00	0.00	0.01	0.00	17.78	8.27	2.00	0.00	0.01	0.00
17.80	13.57	2.00	0.00	0.01	0.00	17.82	76.24	2.00	0.00	0.01	0.00
17.84	78.94	2.00	0.00	0.01	0.00	17.86	80.21	2.00	0.00	0.01	0.00
17.88	80.31	2.00	0.00	0.01	0.00	17.90	79.67	1.04	0.01	0.01	0.00
17.92	79.40	1.04	0.01	0.00	0.00	17.94	79.81	1.04	0.00	0.00	0.00
17.96	80.22	1.05	0.00	0.00	0.00	17.98	81.08	1.06	0.00	0.00	0.00
18.00	81.94	1.07	0.00	0.00	0.00	18.02	83.10	1.08	0.00	0.00	0.00
18.04	84.25	1.09	0.00	0.00	0.00	18.06	84.92	1.10	0.00	0.00	0.00
18.08	84.95	1.10	0.00	0.00	0.00	18.10	84.56	1.10	0.00	0.00	0.00
18.12	83.75	1.09	0.00	0.00	0.00	18.14	83.59	1.09	0.00	0.00	0.00
18.16	83.85	1.09	0.00	0.00	0.00	18.18	84.17	1.10	0.00	0.00	0.00
18.20	84.27	2.00	0.00	0.00	0.00	18.22	84.21	2.00	0.00	0.00	0.00
18.24	83.65	2.00	0.00	0.00	0.00	18.26	81.47	2.00	0.00	0.00	0.00
18.28	77.95	2.00	0.00	0.00	0.00	18.30	16.81	2.00	0.00	0.00	0.00
18.32	13.62	2.00	0.00	0.00	0.00	18.34	12.07	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
18.36	9.74	2.00	0.00	0.00	0.00	18.38	8.80	2.00	0.00	0.00	0.00
18.40	9.22	2.00	0.00	0.00	0.00	18.42	11.26	2.00	0.00	0.00	0.00
18.44	16.14	2.00	0.00	0.00	0.00	18.46	81.12	2.00	0.00	0.00	0.00
18.48	83.76	2.00	0.00	0.00	0.00	18.50	81.98	2.00	0.00	0.00	0.00
18.52	78.46	2.00	0.00	0.00	0.00	18.54	18.14	2.00	0.00	0.00	0.00
18.56	14.62	2.00	0.00	0.00	0.00	18.58	12.49	2.00	0.00	0.00	0.00
18.60	10.18	2.00	0.00	0.00	0.00	18.62	8.48	2.00	0.00	0.00	0.00
18.64	8.47	2.00	0.00	0.00	0.00	18.66	10.07	2.00	0.00	0.00	0.00
18.68	13.13	2.00	0.00	0.00	0.00	18.70	16.53	2.00	0.00	0.00	0.00
18.72	15.15	2.00	0.00	0.00	0.00	18.74	12.34	2.00	0.00	0.00	0.00
18.76	10.04	2.00	0.00	0.00	0.00	18.78	8.10	2.00	0.00	0.00	0.00
18.80	6.83	2.00	0.00	0.00	0.00	18.82	6.57	2.00	0.00	0.00	0.00
18.84	6.74	2.00	0.00	0.00	0.00	18.86	7.07	2.00	0.00	0.00	0.00
18.88	6.56	2.00	0.00	0.00	0.00	18.90	6.64	2.00	0.00	0.00	0.00
18.92	6.97	2.00	0.00	0.00	0.00	18.94	7.30	2.00	0.00	0.00	0.00
18.96	7.47	2.00	0.00	0.00	0.00	18.98	8.05	2.00	0.00	0.00	0.00
19.00	8.04	2.00	0.00	0.00	0.00	19.02	7.12	2.00	0.00	0.00	0.00
19.04	6.61	2.00	0.00	0.00	0.00	19.06	6.86	2.00	0.00	0.00	0.00
19.08	7.27	2.00	0.00	0.00	0.00	19.10	7.94	2.00	0.00	0.00	0.00
19.12	7.93	2.00	0.00	0.00	0.00	19.14	7.01	2.00	0.00	0.00	0.00
19.16	6.59	2.00	0.00	0.00	0.00	19.18	6.42	2.00	0.00	0.00	0.00
19.20	6.42	2.00	0.00	0.00	0.00	19.22	6.08	2.00	0.00	0.00	0.00
19.24	5.83	2.00	0.00	0.00	0.00	19.26	5.83	2.00	0.00	0.00	0.00
19.28	5.91	2.00	0.00	0.00	0.00	19.30	5.99	2.00	0.00	0.00	0.00
19.32	5.98	2.00	0.00	0.00	0.00	19.34	5.90	2.00	0.00	0.00	0.00
19.36	5.81	2.00	0.00	0.00	0.00	19.38	5.97	2.00	0.00	0.00	0.00
19.40	5.89	2.00	0.00	0.00	0.00	19.42	5.97	2.00	0.00	0.00	0.00
19.44	5.96	2.00	0.00	0.00	0.00	19.46	5.96	2.00	0.00	0.00	0.00
19.48	5.96	2.00	0.00	0.00	0.00	19.50	5.87	2.00	0.00	0.00	0.00
19.52	5.95	2.00	0.00	0.00	0.00	19.54	6.28	2.00	0.00	0.00	0.00
19.56	6.36	2.00	0.00	0.00	0.00	19.58	6.43	2.00	0.00	0.00	0.00
19.60	6.59	2.00	0.00	0.00	0.00	19.62	6.75	2.00	0.00	0.00	0.00
19.64	7.24	2.00	0.00	0.00	0.00	19.66	7.49	2.00	0.00	0.00	0.00
19.68	7.98	2.00	0.00	0.00	0.00	19.70	8.55	2.00	0.00	0.00	0.00
19.72	8.71	2.00	0.00	0.00	0.00	19.74	8.37	2.00	0.00	0.00	0.00
19.76	8.20	2.00	0.00	0.00	0.00	19.78	7.87	2.00	0.00	0.00	0.00
19.80	7.78	2.00	0.00	0.00	0.00	19.82	7.70	2.00	0.00	0.00	0.00
19.84	7.53	2.00	0.00	0.00	0.00	19.86	7.85	2.00	0.00	0.00	0.00
19.88	7.93	2.00	0.00	0.00	0.00	19.90	8.09	2.00	0.00	0.00	0.00
19.92	8.25	2.00	0.00	0.00	0.00	19.94	8.24	2.00	0.00	0.00	0.00
19.96	8.32	2.00	0.00	0.00	0.00	19.98	8.47	2.00	0.00	0.00	0.00
20.00	8.39	2.00	0.00	0.00	0.00	20.02	8.38	2.00	0.00	0.00	0.00
20.04	8.38	2.00	0.00	0.00	0.00	20.06	8.62	2.00	0.00	0.00	0.00
20.08	8.86	2.00	0.00	0.00	0.00	20.10	9.18	2.00	0.00	0.00	0.00
20.12	9.17	2.00	0.00	0.00	0.00	20.14	9.08	2.00	0.00	0.00	0.00
20.16	8.83	2.00	0.00	0.00	0.00	20.18	8.83	2.00	0.00	0.00	0.00
20.20	9.23	2.00	0.00	0.00	0.00	20.22	9.30	2.00	0.00	0.00	0.00
20.24	9.46	2.00	0.00	0.00	0.00	20.26	9.62	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
20.28	10.02	2.00	0.00	0.00	0.00	20.30	10.25	2.00	0.00	0.00	0.00
20.32	10.25	2.00	0.00	0.00	0.00	20.34	10.40	2.00	0.00	0.00	0.00
20.36	10.56	2.00	0.00	0.00	0.00	20.38	10.88	2.00	0.00	0.00	0.00
20.40	11.03	2.00	0.00	0.00	0.00	20.42	10.86	2.00	0.00	0.00	0.00
20.44	10.93	2.00	0.00	0.00	0.00	20.46	11.25	2.00	0.00	0.00	0.00
20.48	11.33	2.00	0.00	0.00	0.00	20.50	11.32	2.00	0.00	0.00	0.00
20.52	11.72	2.00	0.00	0.00	0.00	20.54	11.71	2.00	0.00	0.00	0.00
20.56	12.02	2.00	0.00	0.00	0.00	20.58	12.26	2.00	0.00	0.00	0.00
20.60	12.66	2.00	0.00	0.00	0.00	20.62	12.49	2.00	0.00	0.00	0.00
20.64	12.48	2.00	0.00	0.00	0.00	20.66	12.47	2.00	0.00	0.00	0.00
20.68	12.38	2.00	0.00	0.00	0.00	20.70	12.70	2.00	0.00	0.00	0.00
20.72	12.69	2.00	0.00	0.00	0.00	20.74	12.60	2.00	0.00	0.00	0.00
20.76	12.59	2.00	0.00	0.00	0.00	20.78	12.26	2.00	0.00	0.00	0.00
20.80	11.77	2.00	0.00	0.00	0.00	20.82	11.68	2.00	0.00	0.00	0.00
20.84	11.43	2.00	0.00	0.00	0.00	20.86	12.23	2.00	0.00	0.00	0.00
20.88	12.94	2.00	0.00	0.00	0.00	20.90	13.02	2.00	0.00	0.00	0.00
20.92	13.01	2.00	0.00	0.00	0.00	20.94	12.92	2.00	0.00	0.00	0.00
20.96	13.07	2.00	0.00	0.00	0.00	20.98	13.63	2.00	0.00	0.00	0.00
21.00	13.94	2.00	0.00	0.00	0.00	21.02	14.01	2.00	0.00	0.00	0.00
21.04	14.16	2.00	0.00	0.00	0.00	21.06	13.99	2.00	0.00	0.00	0.00
21.08	14.38	2.00	0.00	0.00	0.00	21.10	15.02	2.00	0.00	0.00	0.00
21.12	15.49	2.00	0.00	0.00	0.00	21.14	15.96	2.00	0.00	0.00	0.00
21.16	15.87	2.00	0.00	0.00	0.00	21.18	15.70	2.00	0.00	0.00	0.00
21.20	15.61	2.00	0.00	0.00	0.00	21.22	15.68	2.00	0.00	0.00	0.00
21.24	15.43	2.00	0.00	0.00	0.00	21.26	14.94	2.00	0.00	0.00	0.00
21.28	14.69	2.00	0.00	0.00	0.00	21.30	14.76	2.00	0.00	0.00	0.00
21.32	15.07	2.00	0.00	0.00	0.00	21.34	15.38	2.00	0.00	0.00	0.00
21.36	16.01	2.00	0.00	0.00	0.00	21.38	15.84	2.00	0.00	0.00	0.00
21.40	15.67	2.00	0.00	0.00	0.00	21.42	15.74	2.00	0.00	0.00	0.00
21.44	15.73	2.00	0.00	0.00	0.00	21.46	15.72	2.00	0.00	0.00	0.00
21.48	15.15	2.00	0.00	0.00	0.00	21.50	14.98	2.00	0.00	0.00	0.00
21.52	14.81	2.00	0.00	0.00	0.00	21.54	14.49	2.00	0.00	0.00	0.00
21.56	14.40	2.00	0.00	0.00	0.00	21.58	14.07	2.00	0.00	0.00	0.00
21.60	13.98	2.00	0.00	0.00	0.00	21.62	14.13	2.00	0.00	0.00	0.00
21.64	14.59	2.00	0.00	0.00	0.00	21.66	14.66	2.00	0.00	0.00	0.00
21.68	14.81	2.00	0.00	0.00	0.00	21.70	15.04	2.00	0.00	0.00	0.00
21.72	14.87	2.00	0.00	0.00	0.00	21.74	14.78	2.00	0.00	0.00	0.00
21.76	14.62	2.00	0.00	0.00	0.00	21.78	14.61	2.00	0.00	0.00	0.00
21.80	14.60	2.00	0.00	0.00	0.00	21.82	14.74	2.00	0.00	0.00	0.00
21.84	14.34	2.00	0.00	0.00	0.00	21.86	14.49	2.00	0.00	0.00	0.00
21.88	14.25	2.00	0.00	0.00	0.00	21.90	14.00	2.00	0.00	0.00	0.00
21.92	14.31	2.00	0.00	0.00	0.00	21.94	14.92	2.00	0.00	0.00	0.00
21.96	15.23	2.00	0.00	0.00	0.00	21.98	16.00	2.00	0.00	0.00	0.00
22.00	15.44	2.00	0.00	0.00	0.00	22.02	15.28	2.00	0.00	0.00	0.00
22.04	15.74	2.00	0.00	0.00	0.00	22.06	16.20	2.00	0.00	0.00	0.00
22.08	16.19	2.00	0.00	0.00	0.00	22.10	16.33	2.00	0.00	0.00	0.00
22.12	16.09	2.00	0.00	0.00	0.00	22.14	16.55	2.00	0.00	0.00	0.00
22.16	16.85	2.00	0.00	0.00	0.00	22.18	16.84	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
22.20	16.99	2.00	0.00	0.00	0.00	22.22	17.06	2.00	0.00	0.00	0.00
22.24	16.42	2.00	0.00	0.00	0.00	22.26	16.10	2.00	0.00	0.00	0.00
22.28	15.93	2.00	0.00	0.00	0.00	22.30	15.53	2.00	0.00	0.00	0.00
22.32	15.13	2.00	0.00	0.00	0.00	22.34	14.89	2.00	0.00	0.00	0.00
22.36	14.72	2.00	0.00	0.00	0.00	22.38	14.95	2.00	0.00	0.00	0.00
22.40	15.02	2.00	0.00	0.00	0.00	22.42	14.46	2.00	0.00	0.00	0.00
22.44	14.07	2.00	0.00	0.00	0.00	22.46	13.98	2.00	0.00	0.00	0.00
22.48	13.97	2.00	0.00	0.00	0.00	22.50	13.73	2.00	0.00	0.00	0.00
22.52	13.57	2.00	0.00	0.00	0.00	22.54	13.56	2.00	0.00	0.00	0.00
22.56	13.86	2.00	0.00	0.00	0.00	22.58	14.08	2.00	0.00	0.00	0.00
22.60	14.38	2.00	0.00	0.00	0.00	22.62	14.14	2.00	0.00	0.00	0.00
22.64	14.06	2.00	0.00	0.00	0.00	22.66	13.82	2.00	0.00	0.00	0.00
22.68	13.51	2.00	0.00	0.00	0.00	22.70	13.57	2.00	0.00	0.00	0.00
22.72	13.80	2.00	0.00	0.00	0.00	22.74	13.94	2.00	0.00	0.00	0.00
22.76	13.93	2.00	0.00	0.00	0.00	22.78	14.08	2.00	0.00	0.00	0.00
22.80	14.30	2.00	0.00	0.00	0.00	22.82	14.29	2.00	0.00	0.00	0.00
22.84	13.82	2.00	0.00	0.00	0.00	22.86	14.27	2.00	0.00	0.00	0.00
22.88	14.03	2.00	0.00	0.00	0.00	22.90	13.95	2.00	0.00	0.00	0.00
22.92	13.94	2.00	0.00	0.00	0.00	22.94	14.08	2.00	0.00	0.00	0.00
22.96	14.30	2.00	0.00	0.00	0.00	22.98	14.45	2.00	0.00	0.00	0.00
23.00	14.74	2.00	0.00	0.00	0.00	23.02	14.73	2.00	0.00	0.00	0.00
23.04	14.19	2.00	0.00	0.00	0.00	23.06	13.80	2.00	0.00	0.00	0.00
23.08	13.57	2.00	0.00	0.00	0.00	23.10	13.56	2.00	0.00	0.00	0.00
23.12	13.33	2.00	0.00	0.00	0.00	23.14	12.56	2.00	0.00	0.00	0.00
23.16	12.03	2.00	0.00	0.00	0.00	23.18	11.27	2.00	0.00	0.00	0.00
23.20	10.97	2.00	0.00	0.00	0.00	23.22	10.66	2.00	0.00	0.00	0.00
23.24	10.58	2.00	0.00	0.00	0.00	23.26	10.35	2.00	0.00	0.00	0.00
23.28	10.20	2.00	0.00	0.00	0.00	23.30	10.12	2.00	0.00	0.00	0.00
23.32	10.19	2.00	0.00	0.00	0.00	23.34	10.40	2.00	0.00	0.00	0.00
23.36	10.40	2.00	0.00	0.00	0.00	23.38	10.24	2.00	0.00	0.00	0.00
23.40	10.16	2.00	0.00	0.00	0.00	23.42	10.16	2.00	0.00	0.00	0.00
23.44	10.08	2.00	0.00	0.00	0.00	23.46	10.22	2.00	0.00	0.00	0.00
23.48	10.36	2.00	0.00	0.00	0.00	23.50	10.65	2.00	0.00	0.00	0.00
23.52	10.57	2.00	0.00	0.00	0.00	23.54	10.57	2.00	0.00	0.00	0.00
23.56	10.49	2.00	0.00	0.00	0.00	23.58	10.48	2.00	0.00	0.00	0.00
23.60	10.25	2.00	0.00	0.00	0.00	23.62	10.03	2.00	0.00	0.00	0.00
23.64	9.51	2.00	0.00	0.00	0.00	23.66	9.21	2.00	0.00	0.00	0.00
23.68	8.98	2.00	0.00	0.00	0.00	23.70	9.12	2.00	0.00	0.00	0.00
23.72	8.90	2.00	0.00	0.00	0.00	23.74	8.82	2.00	0.00	0.00	0.00
23.76	8.82	2.00	0.00	0.00	0.00	23.78	8.88	2.00	0.00	0.00	0.00
23.80	8.95	2.00	0.00	0.00	0.00	23.82	9.17	2.00	0.00	0.00	0.00
23.84	9.16	2.00	0.00	0.00	0.00	23.86	9.67	2.00	0.00	0.00	0.00
23.88	9.88	2.00	0.00	0.00	0.00	23.90	9.80	2.00	0.00	0.00	0.00
23.92	10.02	2.00	0.00	0.00	0.00	23.94	10.16	2.00	0.00	0.00	0.00
23.96	10.15	2.00	0.00	0.00	0.00	23.98	10.07	2.00	0.00	0.00	0.00
24.00	10.22	2.00	0.00	0.00	0.00	24.02	10.43	2.00	0.00	0.00	0.00
24.04	10.42	2.00	0.00	0.00	0.00	24.06	10.42	2.00	0.00	0.00	0.00
24.08	10.41	2.00	0.00	0.00	0.00	24.10	10.41	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
24.12	10.47	2.00	0.00	0.00	0.00	24.14	10.61	2.00	0.00	0.00	0.00
24.16	10.83	2.00	0.00	0.00	0.00	24.18	10.82	2.00	0.00	0.00	0.00
24.20	10.52	2.00	0.00	0.00	0.00	24.22	10.52	2.00	0.00	0.00	0.00
24.24	10.51	2.00	0.00	0.00	0.00	24.26	10.94	2.00	0.00	0.00	0.00
24.28	11.59	2.00	0.00	0.00	0.00	24.30	12.32	2.00	0.00	0.00	0.00
24.32	12.60	2.00	0.00	0.00	0.00	24.34	12.52	2.00	0.00	0.00	0.00
24.36	12.52	2.00	0.00	0.00	0.00	24.38	11.85	2.00	0.00	0.00	0.00
24.40	11.41	2.00	0.00	0.00	0.00	24.42	11.19	2.00	0.00	0.00	0.00
24.44	11.25	2.00	0.00	0.00	0.00	24.46	10.81	2.00	0.00	0.00	0.00
24.48	10.16	2.00	0.00	0.00	0.00	24.50	9.65	2.00	0.00	0.00	0.00
24.52	9.86	2.00	0.00	0.00	0.00	24.54	10.07	2.00	0.00	0.00	0.00
24.56	10.28	2.00	0.00	0.00	0.00	24.58	10.92	2.00	0.00	0.00	0.00
24.60	11.28	2.00	0.00	0.00	0.00	24.62	11.70	2.00	0.00	0.00	0.00
24.64	12.42	2.00	0.00	0.00	0.00	24.66	12.56	2.00	0.00	0.00	0.00
24.68	12.63	2.00	0.00	0.00	0.00	24.70	12.62	2.00	0.00	0.00	0.00
24.72	12.40	2.00	0.00	0.00	0.00	24.74	12.46	2.00	0.00	0.00	0.00
24.76	12.09	2.00	0.00	0.00	0.00	24.78	11.94	2.00	0.00	0.00	0.00
24.80	11.22	2.00	0.00	0.00	0.00	24.82	11.07	2.00	0.00	0.00	0.00
24.84	10.27	2.00	0.00	0.00	0.00	24.86	10.41	2.00	0.00	0.00	0.00
24.88	9.83	2.00	0.00	0.00	0.00	24.90	9.40	2.00	0.00	0.00	0.00
24.92	9.18	2.00	0.00	0.00	0.00	24.94	9.10	2.00	0.00	0.00	0.00
24.96	9.31	2.00	0.00	0.00	0.00	24.98	9.52	2.00	0.00	0.00	0.00
25.00	9.87	2.00	0.00	0.00	0.00	25.02	10.30	2.00	0.00	0.00	0.00
25.04	10.65	2.00	0.00	0.00	0.00	25.06	10.71	2.00	0.00	0.00	0.00
25.08	10.57	2.00	0.00	0.00	0.00	25.10	10.42	2.00	0.00	0.00	0.00
25.12	10.55	2.00	0.00	0.00	0.00	25.14	10.69	2.00	0.00	0.00	0.00
25.16	10.76	2.00	0.00	0.00	0.00	25.18	11.04	2.00	0.00	0.00	0.00
25.20	11.39	2.00	0.00	0.00	0.00	25.22	11.17	2.00	0.00	0.00	0.00
25.24	11.38	2.00	0.00	0.00	0.00	25.26	10.66	2.00	0.00	0.00	0.00
25.28	10.51	2.00	0.00	0.00	0.00	25.30	10.15	2.00	0.00	0.00	0.00
25.32	9.65	2.00	0.00	0.00	0.00	25.34	9.22	2.00	0.00	0.00	0.00
25.36	9.01	2.00	0.00	0.00	0.00	25.38	8.86	2.00	0.00	0.00	0.00
25.40	8.09	2.00	0.00	0.00	0.00	25.42	7.32	2.00	0.00	0.00	0.00
25.44	7.04	2.00	0.00	0.00	0.00	25.46	6.96	2.00	0.00	0.00	0.00
25.48	6.89	2.00	0.00	0.00	0.00	25.50	6.82	2.00	0.00	0.00	0.00
25.52	6.81	2.00	0.00	0.00	0.00	25.54	7.02	2.00	0.00	0.00	0.00
25.56	7.78	2.00	0.00	0.00	0.00	25.58	8.06	2.00	0.00	0.00	0.00
25.60	8.12	2.00	0.00	0.00	0.00	25.62	7.84	2.00	0.00	0.00	0.00
25.64	7.77	2.00	0.00	0.00	0.00	25.66	7.77	2.00	0.00	0.00	0.00
25.68	7.76	2.00	0.00	0.00	0.00	25.70	7.62	2.00	0.00	0.00	0.00
25.72	7.55	2.00	0.00	0.00	0.00	25.74	7.61	2.00	0.00	0.00	0.00
25.76	7.75	2.00	0.00	0.00	0.00	25.78	7.95	2.00	0.00	0.00	0.00
25.80	7.74	2.00	0.00	0.00	0.00	25.82	7.81	2.00	0.00	0.00	0.00
25.84	7.74	2.00	0.00	0.00	0.00	25.86	8.63	2.00	0.00	0.00	0.00
25.88	8.70	2.00	0.00	0.00	0.00	25.90	8.70	2.00	0.00	0.00	0.00
25.92	8.62	2.00	0.00	0.00	0.00	25.94	8.69	2.00	0.00	0.00	0.00
25.96	8.68	2.00	0.00	0.00	0.00	25.98	8.89	2.00	0.00	0.00	0.00
26.00	9.02	2.00	0.00	0.00	0.00	26.02	9.16	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
26.04	9.02	2.00	0.00	0.00	0.00	26.06	9.15	2.00	0.00	0.00	0.00
26.08	9.29	2.00	0.00	0.00	0.00	26.10	9.56	2.00	0.00	0.00	0.00
26.12	9.62	2.00	0.00	0.00	0.00	26.14	9.83	2.00	0.00	0.00	0.00
26.16	9.82	2.00	0.00	0.00	0.00	26.18	9.82	2.00	0.00	0.00	0.00
26.20	9.88	2.00	0.00	0.00	0.00	26.22	10.02	2.00	0.00	0.00	0.00
26.24	10.36	2.00	0.00	0.00	0.00	26.26	10.43	2.00	0.00	0.00	0.00
26.28	10.42	2.00	0.00	0.00	0.00	26.30	10.55	2.00	0.00	0.00	0.00
26.32	10.55	2.00	0.00	0.00	0.00	26.34	11.03	2.00	0.00	0.00	0.00
26.36	11.65	2.00	0.00	0.00	0.00	26.38	11.65	2.00	0.00	0.00	0.00
26.40	11.29	2.00	0.00	0.00	0.00	26.42	10.80	2.00	0.00	0.00	0.00
26.44	10.17	2.00	0.00	0.00	0.00	26.46	10.10	2.00	0.00	0.00	0.00
26.48	10.16	2.00	0.00	0.00	0.00	26.50	10.85	2.00	0.00	0.00	0.00
26.52	12.58	2.00	0.00	0.00	0.00	26.54	13.56	2.00	0.00	0.00	0.00
26.56	13.34	2.00	0.00	0.00	0.00	26.58	12.92	2.00	0.00	0.00	0.00
26.60	12.14	2.00	0.00	0.00	0.00	26.62	12.07	2.00	0.00	0.00	0.00
26.64	11.65	2.00	0.00	0.00	0.00	26.66	11.85	2.00	0.00	0.00	0.00
26.68	11.57	2.00	0.00	0.00	0.00	26.70	11.49	2.00	0.00	0.00	0.00
26.72	11.62	2.00	0.00	0.00	0.00	26.74	11.90	2.00	0.00	0.00	0.00
26.76	11.89	2.00	0.00	0.00	0.00	26.78	12.09	2.00	0.00	0.00	0.00
26.80	11.60	2.00	0.00	0.00	0.00	26.82	11.46	2.00	0.00	0.00	0.00
26.84	11.45	2.00	0.00	0.00	0.00	26.86	11.45	2.00	0.00	0.00	0.00
26.88	11.30	2.00	0.00	0.00	0.00	26.90	11.51	2.00	0.00	0.00	0.00
26.92	11.91	2.00	0.00	0.00	0.00	26.94	11.98	2.00	0.00	0.00	0.00
26.96	11.90	2.00	0.00	0.00	0.00	26.98	11.55	2.00	0.00	0.00	0.00
27.00	11.55	2.00	0.00	0.00	0.00	27.02	11.40	2.00	0.00	0.00	0.00
27.04	11.26	2.00	0.00	0.00	0.00	27.06	11.39	2.00	0.00	0.00	0.00
27.08	12.21	2.00	0.00	0.00	0.00	27.10	14.77	2.00	0.00	0.00	0.00
27.12	16.91	2.00	0.00	0.00	0.00	27.14	18.03	2.00	0.00	0.00	0.00
27.16	17.46	2.00	0.00	0.00	0.00	27.18	16.62	2.00	0.00	0.00	0.00
27.20	14.74	2.00	0.00	0.00	0.00	27.22	12.38	2.00	0.00	0.00	0.00
27.24	10.39	2.00	0.00	0.00	0.00	27.26	9.91	2.00	0.00	0.00	0.00
27.28	9.43	2.00	0.00	0.00	0.00	27.30	9.50	2.00	0.00	0.00	0.00
27.32	9.36	2.00	0.00	0.00	0.00	27.34	9.28	2.00	0.00	0.00	0.00
27.36	9.08	2.00	0.00	0.00	0.00	27.38	9.28	2.00	0.00	0.00	0.00
27.40	9.14	2.00	0.00	0.00	0.00	27.42	8.93	2.00	0.00	0.00	0.00
27.44	8.86	2.00	0.00	0.00	0.00	27.46	8.86	2.00	0.00	0.00	0.00
27.48	8.92	2.00	0.00	0.00	0.00	27.50	8.65	2.00	0.00	0.00	0.00
27.52	8.44	2.00	0.00	0.00	0.00	27.54	8.64	2.00	0.00	0.00	0.00
27.56	8.91	2.00	0.00	0.00	0.00	27.58	8.63	2.00	0.00	0.00	0.00
27.60	8.30	2.00	0.00	0.00	0.00	27.62	8.29	2.00	0.00	0.00	0.00
27.64	8.29	2.00	0.00	0.00	0.00	27.66	8.49	2.00	0.00	0.00	0.00
27.68	8.95	2.00	0.00	0.00	0.00	27.70	9.35	2.00	0.00	0.00	0.00
27.72	9.08	2.00	0.00	0.00	0.00	27.74	8.94	2.00	0.00	0.00	0.00
27.76	8.67	2.00	0.00	0.00	0.00	27.78	8.53	2.00	0.00	0.00	0.00
27.80	8.20	2.00	0.00	0.00	0.00	27.82	7.99	2.00	0.00	0.00	0.00
27.84	7.99	2.00	0.00	0.00	0.00	27.86	8.05	2.00	0.00	0.00	0.00
27.88	8.78	2.00	0.00	0.00	0.00	27.90	8.85	2.00	0.00	0.00	0.00
27.92	8.58	2.00	0.00	0.00	0.00	27.94	8.84	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

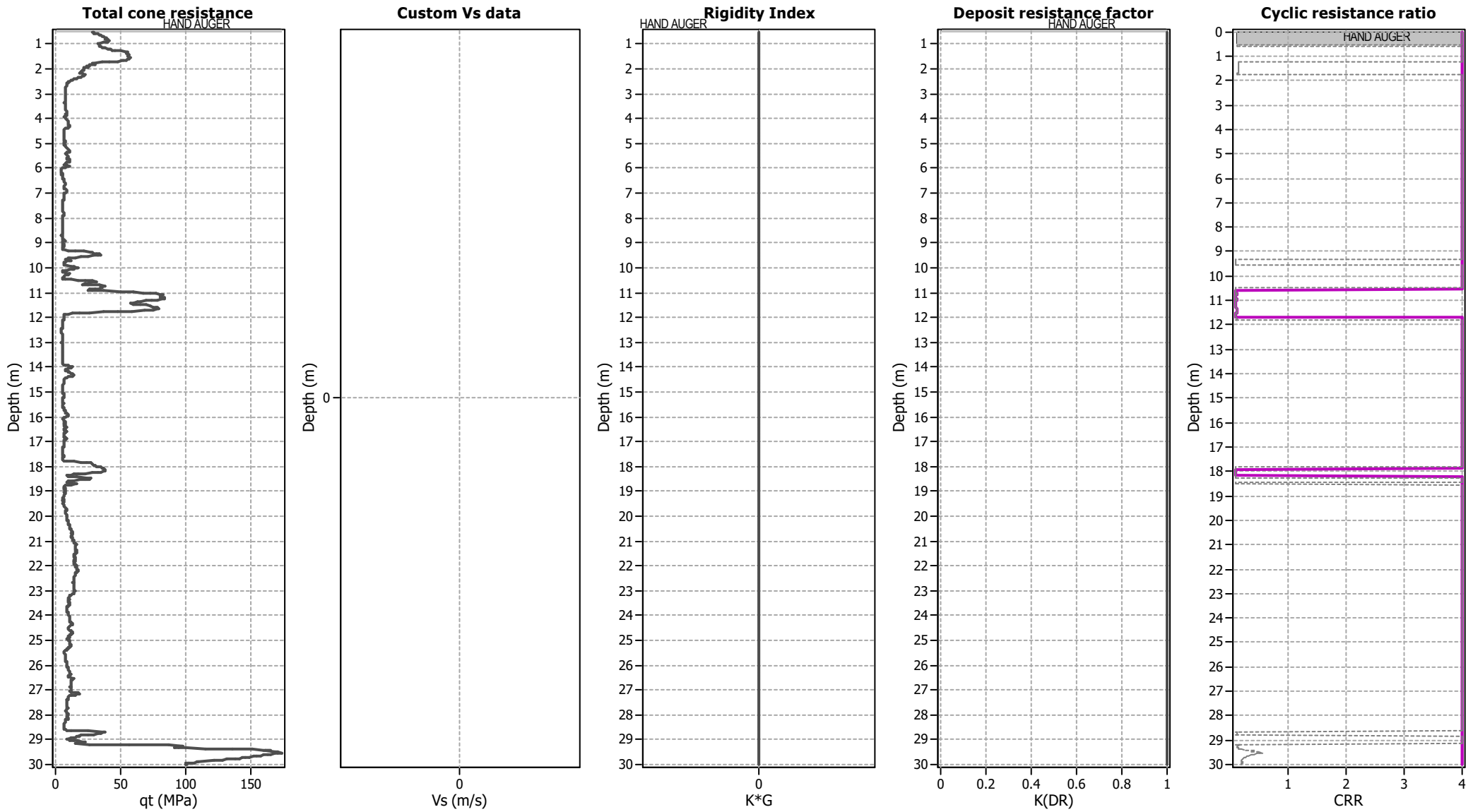
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
27.96	9.37	2.00	0.00	0.00	0.00	27.98	10.04	2.00	0.00	0.00	0.00
28.00	10.23	2.00	0.00	0.00	0.00	28.02	10.03	2.00	0.00	0.00	0.00
28.04	9.62	2.00	0.00	0.00	0.00	28.06	8.62	2.00	0.00	0.00	0.00
28.08	8.22	2.00	0.00	0.00	0.00	28.10	8.81	2.00	0.00	0.00	0.00
28.12	9.67	2.00	0.00	0.00	0.00	28.14	10.07	2.00	0.00	0.00	0.00
28.16	9.40	2.00	0.00	0.00	0.00	28.18	8.07	2.00	0.00	0.00	0.00
28.20	7.47	2.00	0.00	0.00	0.00	28.22	7.34	2.00	0.00	0.00	0.00
28.24	7.40	2.00	0.00	0.00	0.00	28.26	7.66	2.00	0.00	0.00	0.00
28.28	7.39	2.00	0.00	0.00	0.00	28.30	7.33	2.00	0.00	0.00	0.00
28.32	7.19	2.00	0.00	0.00	0.00	28.34	6.99	2.00	0.00	0.00	0.00
28.36	6.86	2.00	0.00	0.00	0.00	28.38	6.73	2.00	0.00	0.00	0.00
28.40	6.66	2.00	0.00	0.00	0.00	28.42	6.59	2.00	0.00	0.00	0.00
28.44	6.59	2.00	0.00	0.00	0.00	28.46	6.58	2.00	0.00	0.00	0.00
28.48	6.71	2.00	0.00	0.00	0.00	28.50	6.71	2.00	0.00	0.00	0.00
28.52	6.58	2.00	0.00	0.00	0.00	28.54	6.57	2.00	0.00	0.00	0.00
28.56	6.57	2.00	0.00	0.00	0.00	28.58	6.70	2.00	0.00	0.00	0.00
28.60	7.35	2.00	0.00	0.00	0.00	28.62	8.20	2.00	0.00	0.00	0.00
28.64	12.18	2.00	0.00	0.00	0.00	28.66	80.04	2.00	0.00	0.00	0.00
28.68	87.60	2.00	0.00	0.00	0.00	28.70	89.60	2.00	0.00	0.00	0.00
28.72	89.19	2.00	0.00	0.00	0.00	28.74	88.30	2.00	0.00	0.00	0.00
28.76	86.68	2.00	0.00	0.00	0.00	28.78	85.53	2.00	0.00	0.00	0.00
28.80	82.81	2.00	0.00	0.00	0.00	28.82	19.87	2.00	0.00	0.00	0.00
28.84	16.95	2.00	0.00	0.00	0.00	28.86	17.98	2.00	0.00	0.00	0.00
28.88	16.27	2.00	0.00	0.00	0.00	28.90	15.33	2.00	0.00	0.00	0.00
28.92	13.57	2.00	0.00	0.00	0.00	28.94	11.43	2.00	0.00	0.00	0.00
28.96	10.10	2.00	0.00	0.00	0.00	28.98	9.18	2.00	0.00	0.00	0.00
29.00	9.64	2.00	0.00	0.00	0.00	29.02	11.21	2.00	0.00	0.00	0.00
29.04	13.87	2.00	0.00	0.00	0.00	29.06	16.21	2.00	0.00	0.00	0.00
29.08	20.28	2.00	0.00	0.00	0.00	29.10	22.70	2.00	0.00	0.00	0.00
29.12	19.80	2.00	0.00	0.00	0.00	29.14	16.40	2.00	0.00	0.00	0.00
29.16	14.83	2.00	0.00	0.00	0.00	29.18	83.51	2.00	0.00	0.00	0.00
29.20	112.05	2.00	0.00	0.00	0.00	29.22	120.45	2.00	0.00	0.00	0.00
29.24	101.21	2.00	0.00	0.00	0.00	29.26	97.67	2.00	0.00	0.00	0.00
29.28	94.35	2.00	0.00	0.00	0.00	29.30	95.38	2.00	0.00	0.00	0.00
29.32	109.64	2.00	0.00	0.00	0.00	29.34	119.01	2.00	0.00	0.00	0.00
29.36	124.70	2.00	0.00	0.00	0.00	29.38	134.97	2.00	0.00	0.00	0.00
29.40	150.38	2.00	0.00	0.00	0.00	29.42	159.67	2.00	0.00	0.00	0.00
29.44	164.69	2.00	0.00	0.00	0.00	29.46	159.80	2.00	0.00	0.00	0.00
29.48	167.85	2.00	0.00	0.00	0.00	29.50	170.17	2.00	0.00	0.00	0.00
29.52	173.33	2.00	0.00	0.00	0.00	29.54	170.49	2.00	0.00	0.00	0.00
29.56	167.67	2.00	0.00	0.00	0.00	29.58	164.95	2.00	0.00	0.00	0.00
29.60	162.15	2.00	0.00	0.00	0.00	29.62	159.36	2.00	0.00	0.00	0.00
29.64	156.58	2.00	0.00	0.00	0.00	29.66	153.91	2.00	0.00	0.00	0.00
29.68	151.16	2.00	0.00	0.00	0.00	29.70	148.42	2.00	0.00	0.00	0.00
29.72	145.69	2.00	0.00	0.00	0.00	29.74	142.98	2.00	0.00	0.00	0.00
29.76	140.37	2.00	0.00	0.00	0.00	29.78	137.69	2.00	0.00	0.00	0.00
29.80	131.49	2.00	0.00	0.00	0.00	29.82	130.46	2.00	0.00	0.00	0.00
29.84	131.39	2.00	0.00	0.00	0.00	29.86	129.32	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
29.88	136.97	2.00	0.00	0.00	0.00	29.90	138.17	2.00	0.00	0.00	0.00
29.92	139.59	2.00	0.00	0.00	0.00	29.94	136.68	2.00	0.00	0.00	0.00
29.96	134.55	2.00	0.00	0.00	0.00	29.98	131.21	2.00	0.00	0.00	0.00
30.00	129.85	2.00	0.00	0.00	0.00						
											Total estimated settlement: 1.04

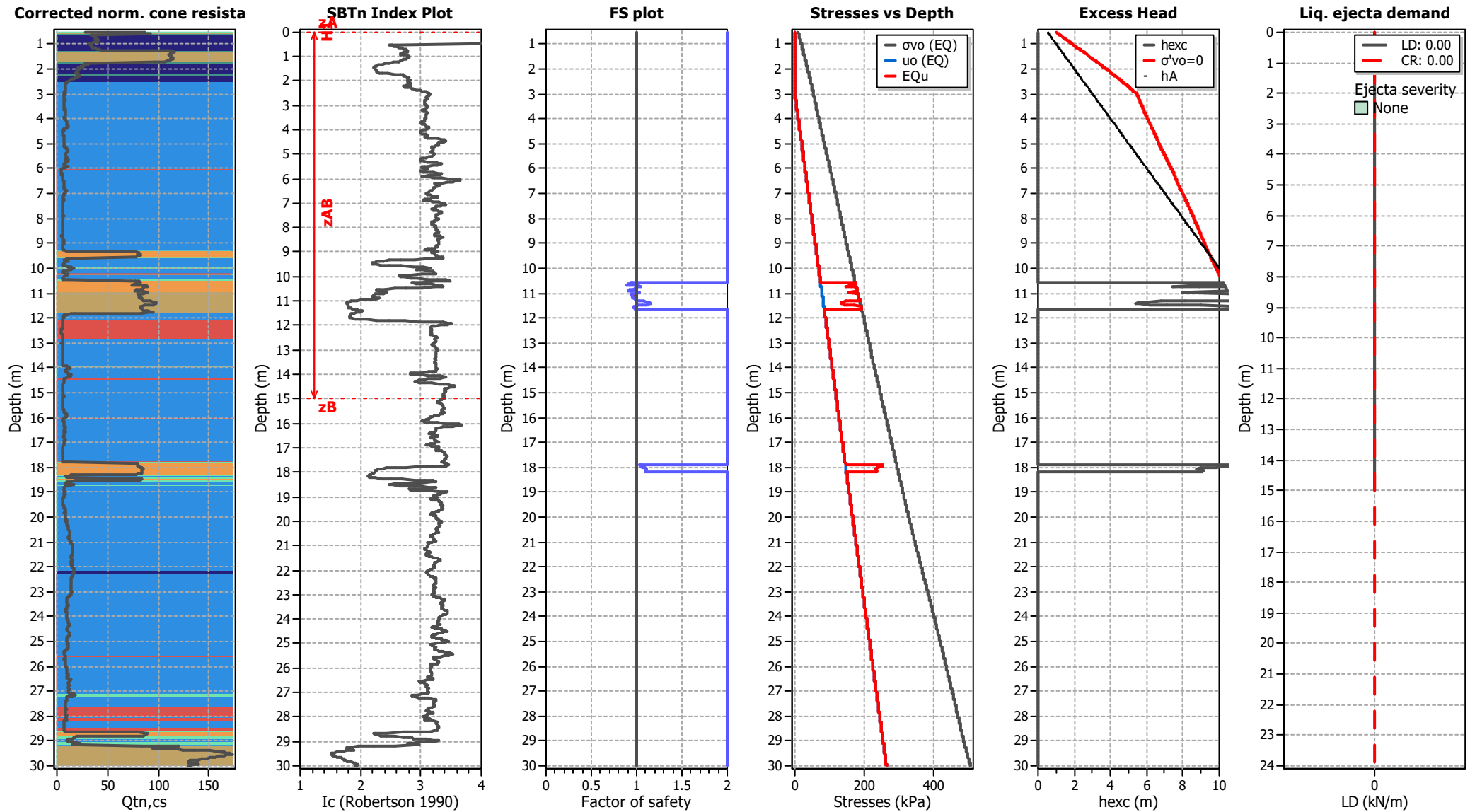
Abbreviations

Q_{tn,cs}: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumetric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

Aging Calculation Estimation

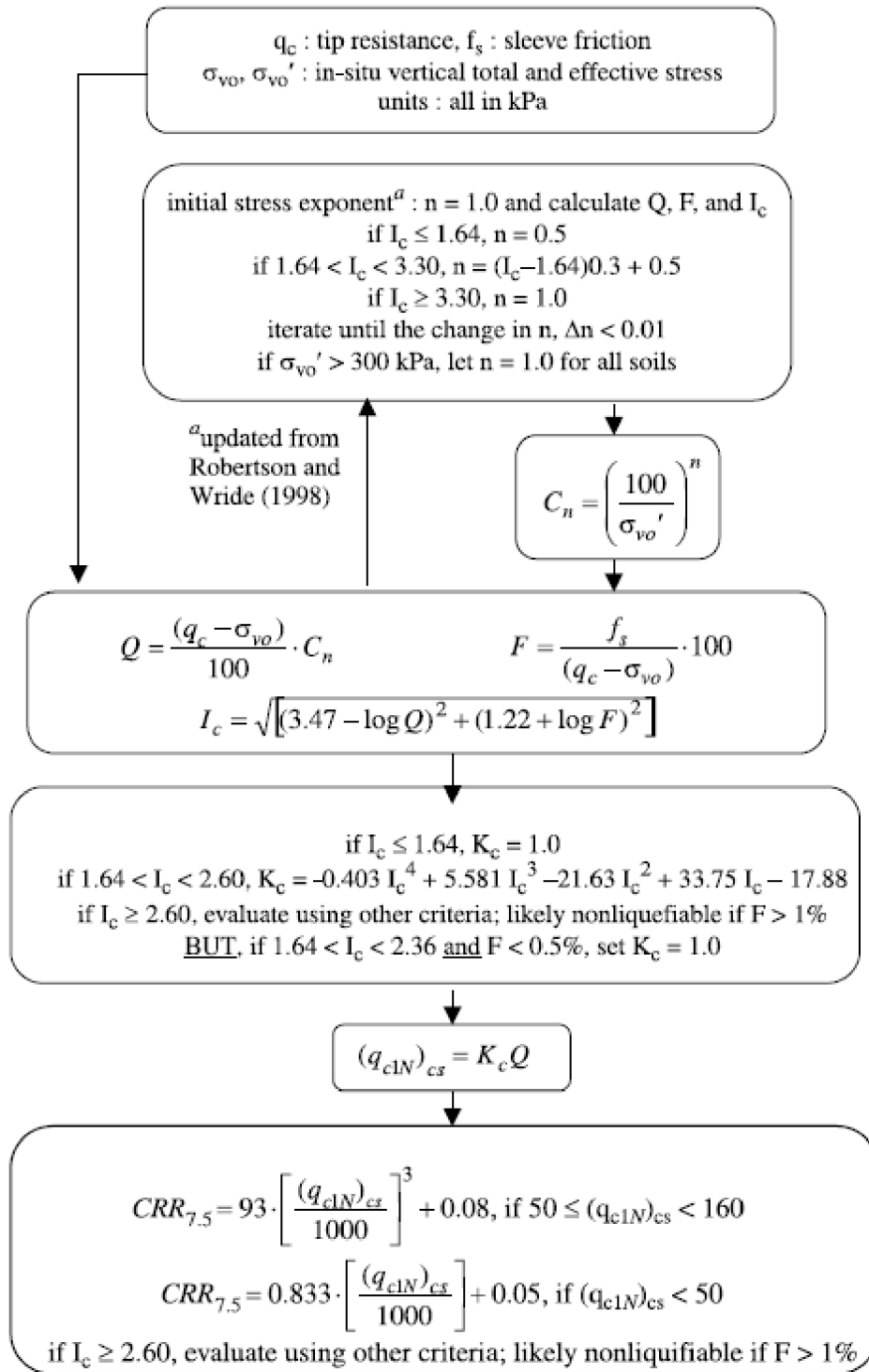


Ejecta Severity Estimation



Procedure for the evaluation of soil liquefaction resistance, NCEER (1998)

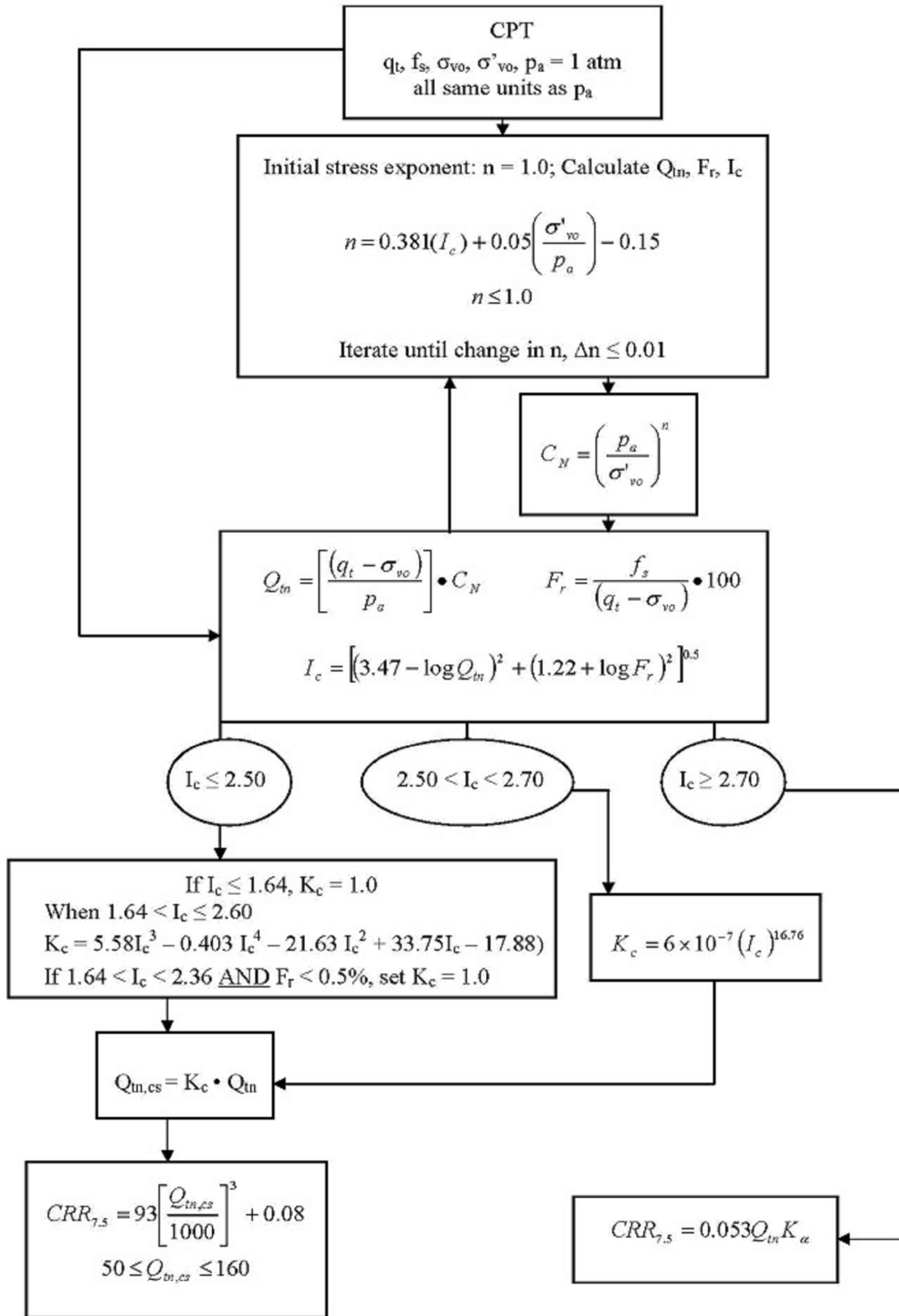
Calculation of soil resistance against liquefaction is performed according to the Robertson & Wride (1998) procedure. The procedure used in the software, slightly differs from the one originally published in NCEER-97-0022 (Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils). The revised procedure is presented below in the form of a flowchart¹:



¹ "Estimating liquefaction-induced ground settlements from CPT for level ground", G. Zhang, P.K. Robertson, and R.W.I. Brachman

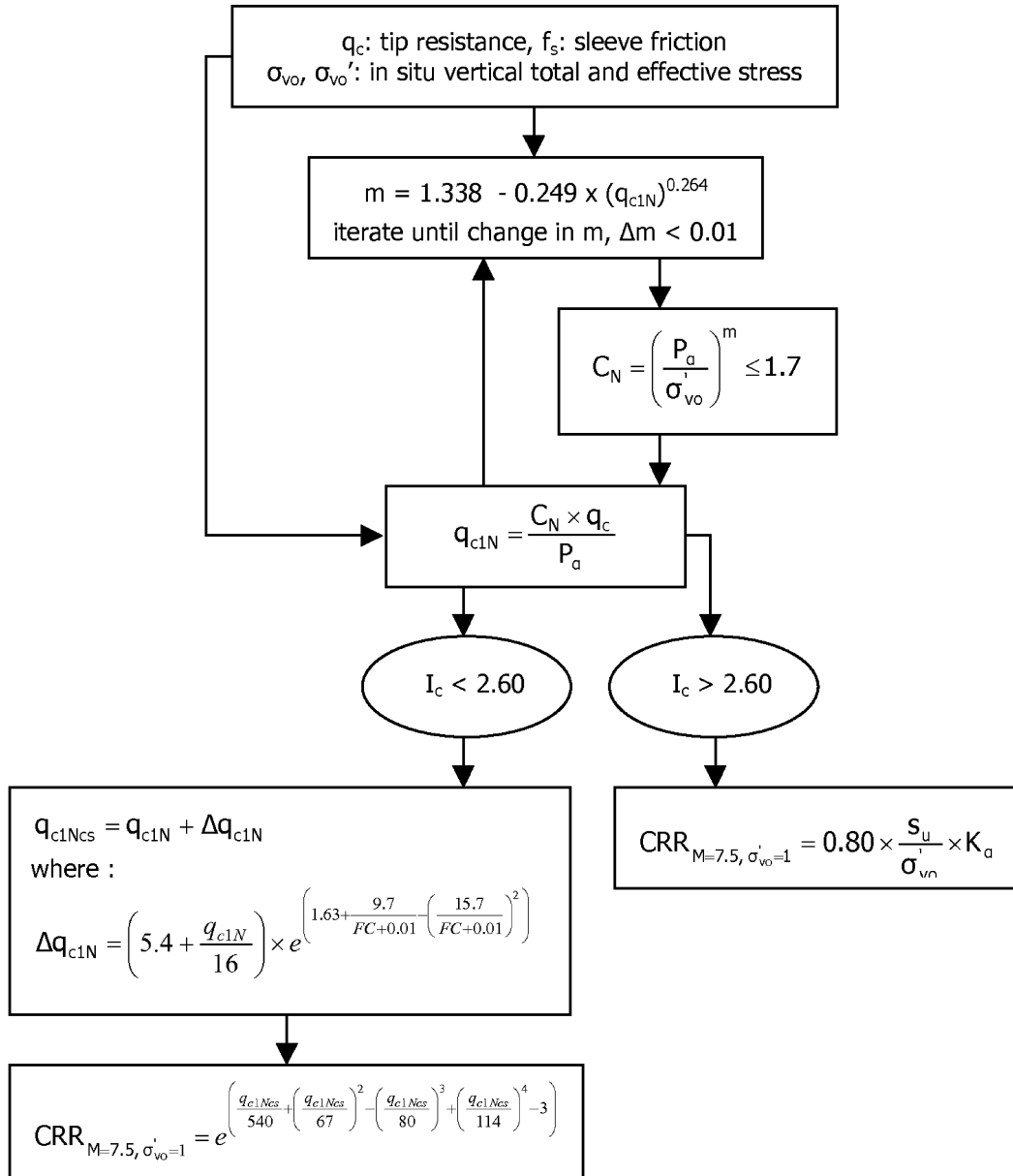
Procedure for the evaluation of soil liquefaction resistance (all soils), Robertson (2010)

Calculation of soil resistance against liquefaction is performed according to the Robertson & Wride (1998) procedure. This procedure used in the software, slightly differs from the one originally published in NCEER-97-0022 (Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils). The revised procedure is presented below in the form of a flowchart¹:

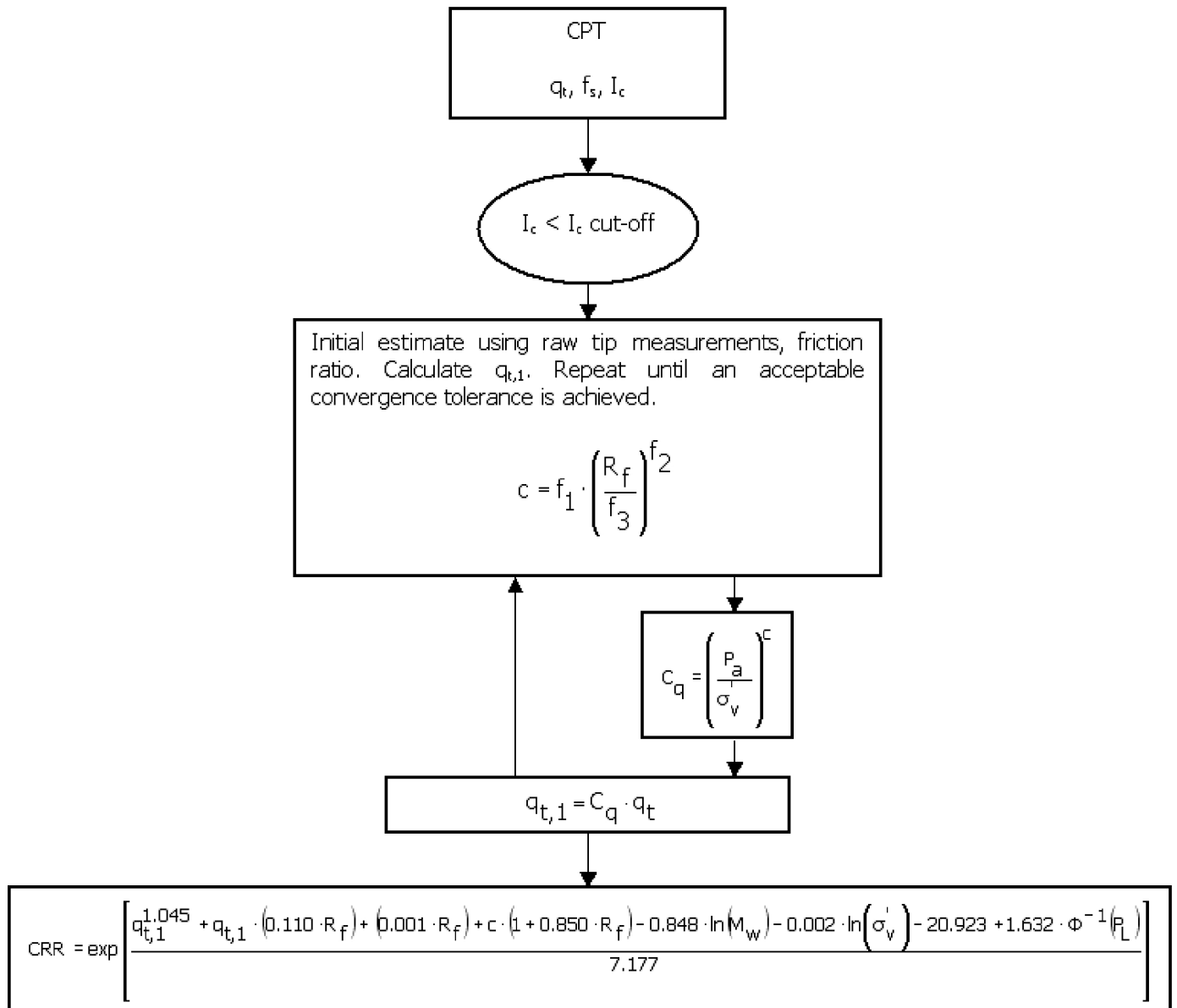


¹ P.K. Robertson, 2009. "Performance based earthquake design using the CPT", Keynote Lecture, International Conference on Performance-based Design in Earthquake Geotechnical Engineering – from case history to practice, IS-Tokyo, June 2009

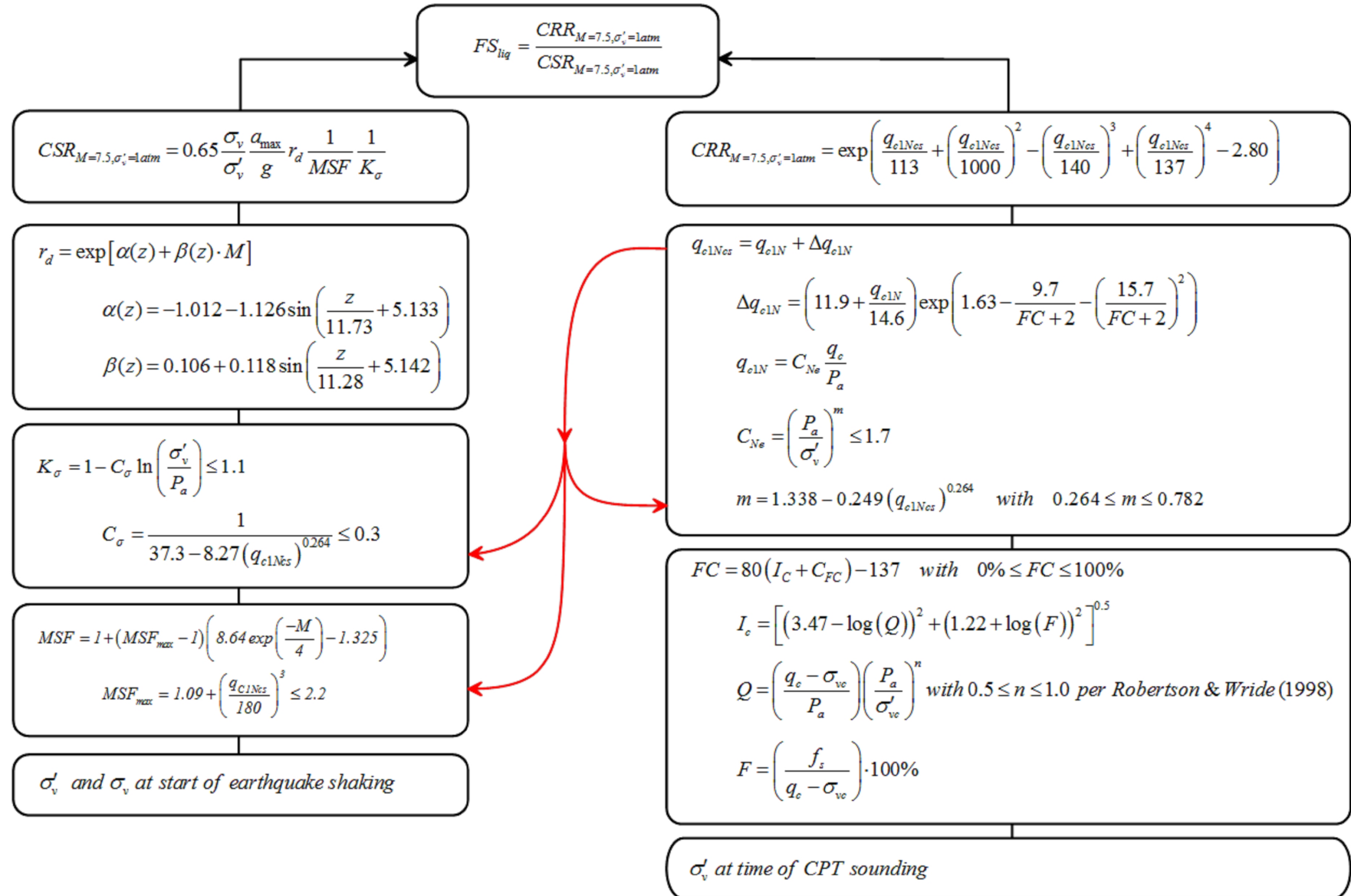
Procedure for the evaluation of soil liquefaction resistance, Idriss & Boulanger (2008)



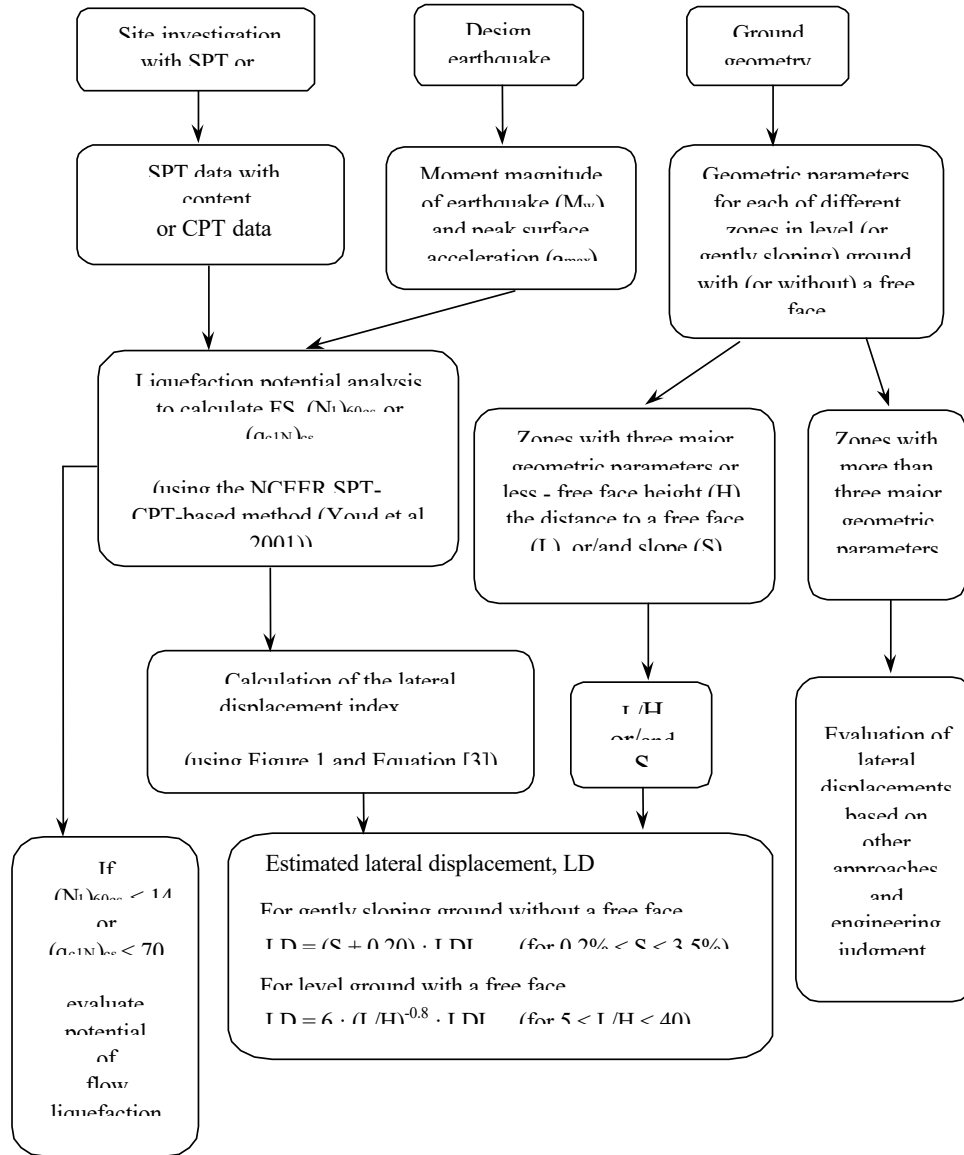
Procedure for the evaluation of soil liquefaction resistance (sandy soils), Moss et al. (2006)



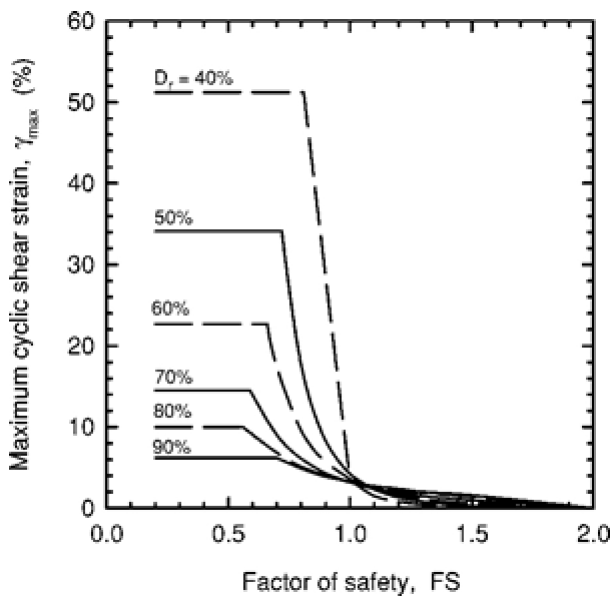
Procedure for the evaluation of soil liquefaction resistance, Boulanger & Idriss(2014)



Procedure for the evaluation of liquefaction-induced lateral spreading displacements



¹ Flow chart illustrating major steps in estimating liquefaction-induced lateral spreading displacements using the proposed approach



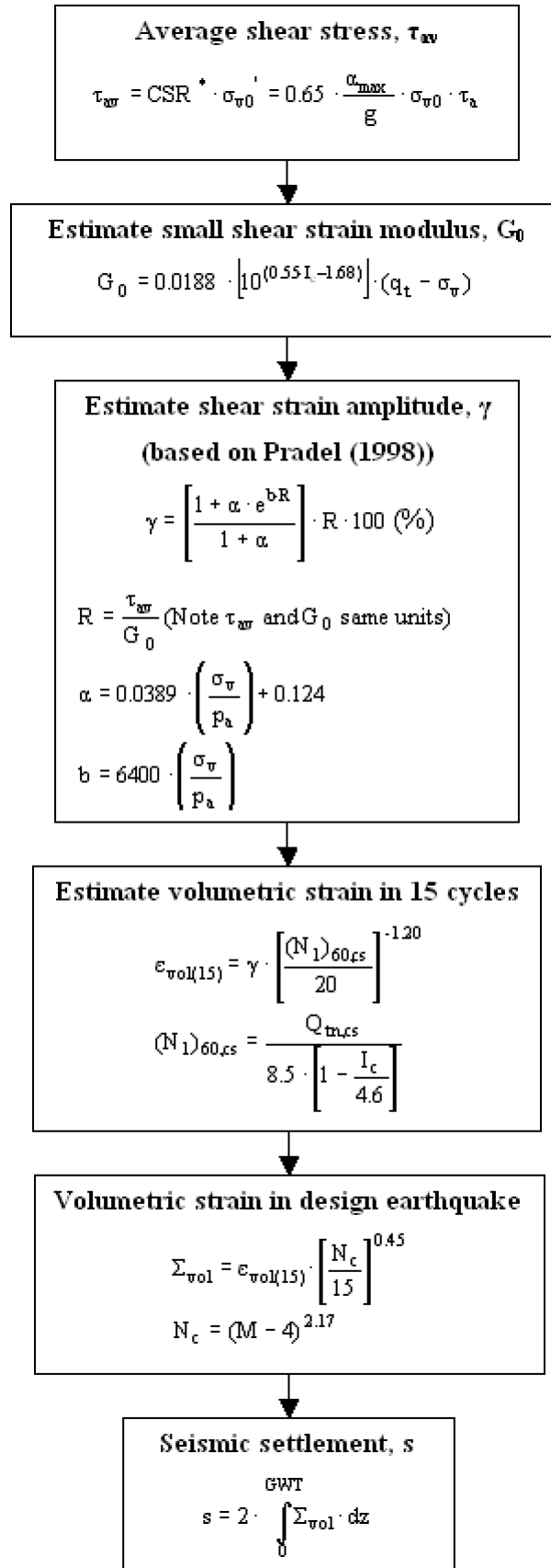
¹ Figure 1

$$LDI = \int_0^{Z_{max}} \gamma_{max} dz$$

¹ Equation [3]

¹ "Estimating liquefaction-induced ground settlements from CPT for level ground", G. Zhang, P.K. Robertson, and R.W.I. Brachman

Procedure for the estimation of seismic induced settlements in dry sands



Robertson, P.K. and Lisheng, S., 2010, "Estimation of seismic compression in dry soils using the CPT" FIFTH INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN GEOTECHNICAL EARTHQUAKE ENGINEERING AND SOIL DYNAMICS, Symposium in honor of professor I. M. Idriss, San Diego, CA

Liquefaction Potential Index (LPI) calculation procedure

Calculation of the Liquefaction Potential Index (LPI) is used to interpret the liquefaction assessment calculations in terms of severity over depth. The calculation procedure is based on the methodology developed by Iwasaki (1982) and is adopted by AFPS.

To estimate the severity of liquefaction extent at a given site, LPI is calculated based on the following equation:

$$\mathbf{LPI} = \int_0^{20} (10 - 0,5_z) \times F_L \times d_z$$

where:

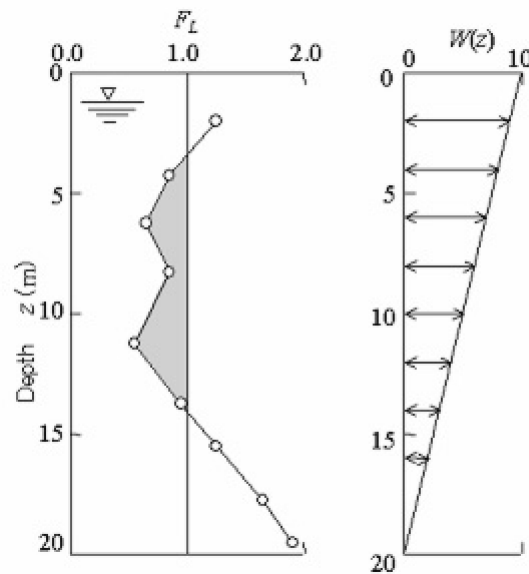
$F_L = 1 - F.S.$ when F.S. less than 1

$F_L = 0$ when F.S. greater than 1

z depth of measurment in meters

Values of LPI range between zero (0) when no test point is characterized as liquefiable and 100 when all points are characterized as susceptible to liquefaction. Iwasaki proposed four (4) discrete categories based on the numeric value of LPI:

- $LPI = 0$: Liquefaction risk is very low
- $0 < LPI \leq 5$: Liquefaction risk is low
- $5 < LPI \leq 15$: Liquefaction risk is high
- $LPI > 15$: Liquefaction risk is very high



Graphical presentation of the LPI calculation procedure

Shear-Induced Building Settlement (Ds) calculation procedure

The shear-induced building settlement (Ds) due to liquefaction below the building can be estimated using the relationship developed by Bray and Macedo (2017):

$$\begin{aligned} \ln(Ds) = & c1 + c2 * LBS + 0.58 * \ln\left(\tanh\left(\frac{HL}{6}\right)\right) + \\ & 4.59 * \ln(Q) - 0.42 * \ln(Q)^2 - 0.02 * B + \\ & 0.84 * \ln(CAVdp) + 0.41 * \ln(Sa1) + \varepsilon \end{aligned}$$

where Ds is in the units of mm, c1= -8.35 and c2= 0.072 for LBS ≤ 16, and c1= -7.48 and c2= 0.014 otherwise. Q is the building contact pressure in units of kPa, HL is the cumulative thickness of the liquefiable layers in the units of m, B is the building width in the units of m, CAVdp is a standardized version of the cumulative absolute velocity in the units of g-s, Sa1 is 5%-damped pseudo-acceleration response spectral value at a period of 1 s in the units of g, and ε is a normal random variable with zero mean and 0.50 standard deviation in Ln units. The liquefaction-induced building settlement index (LBS) is:

$$LBS = \sum W * \frac{\varepsilon_{shear}}{z} dz$$

where z (m) is the depth measured from the ground surface > 0, w is a foundation-weighting factor wherein W = 0.0 for z less than Df, which is the embedment depth of the foundation, and W = 1.0 otherwise. The shear strain parameter (ε_{shear}) is the liquefaction-induced free-field shear strain (in %) estimated using Zhang et al. (2004). It is calculated based on the estimated Dr of the liquefied soil layer and the calculated safety factor against liquefaction triggering (FSL).

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LIQUEFACTION ANALYSIS REPORT

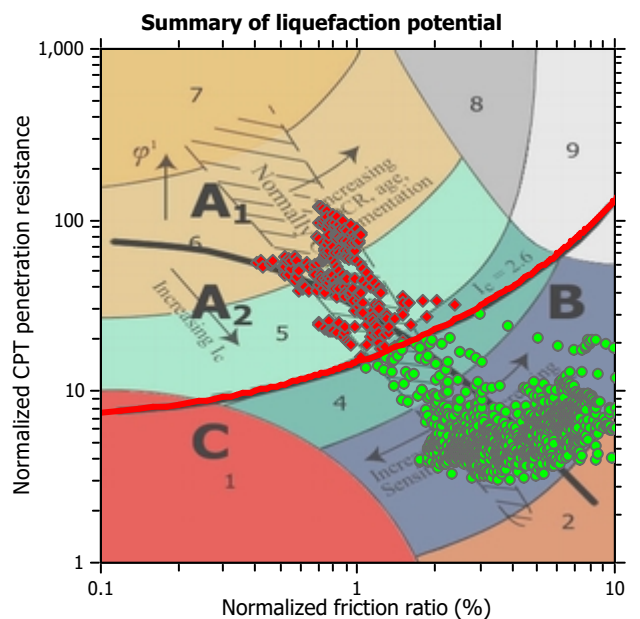
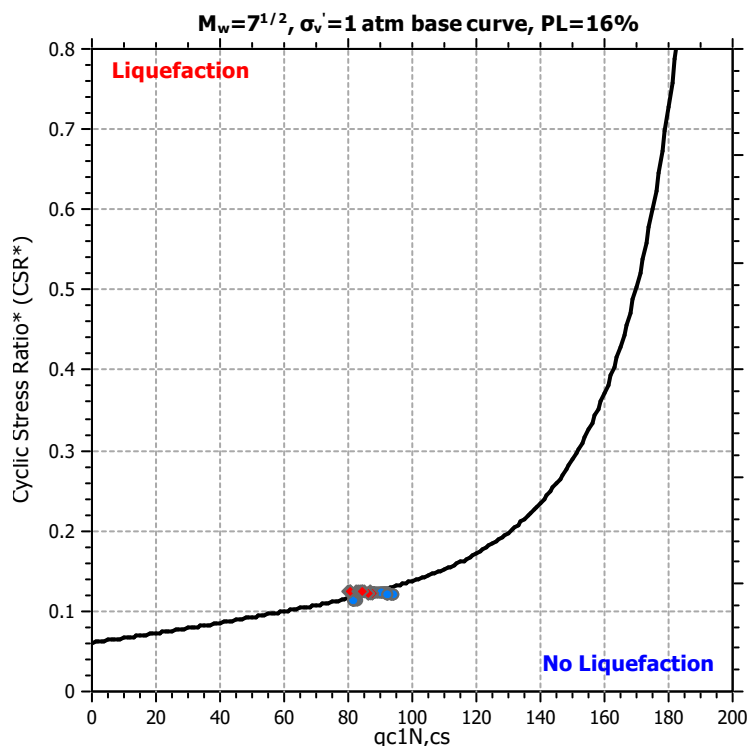
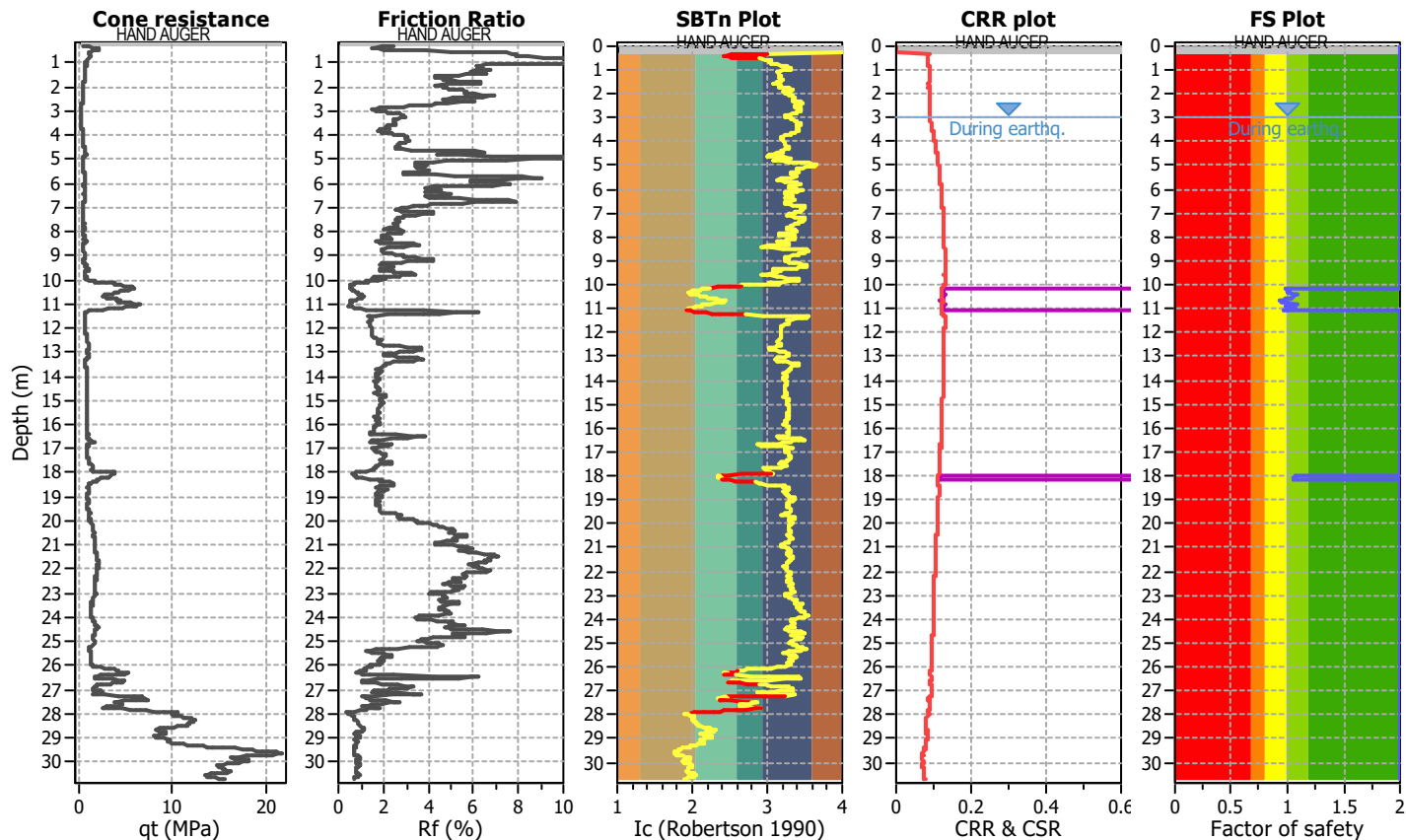
Project title :

Location :

CPT file : rif. U43-25 CPTU1 Migliaro Punt

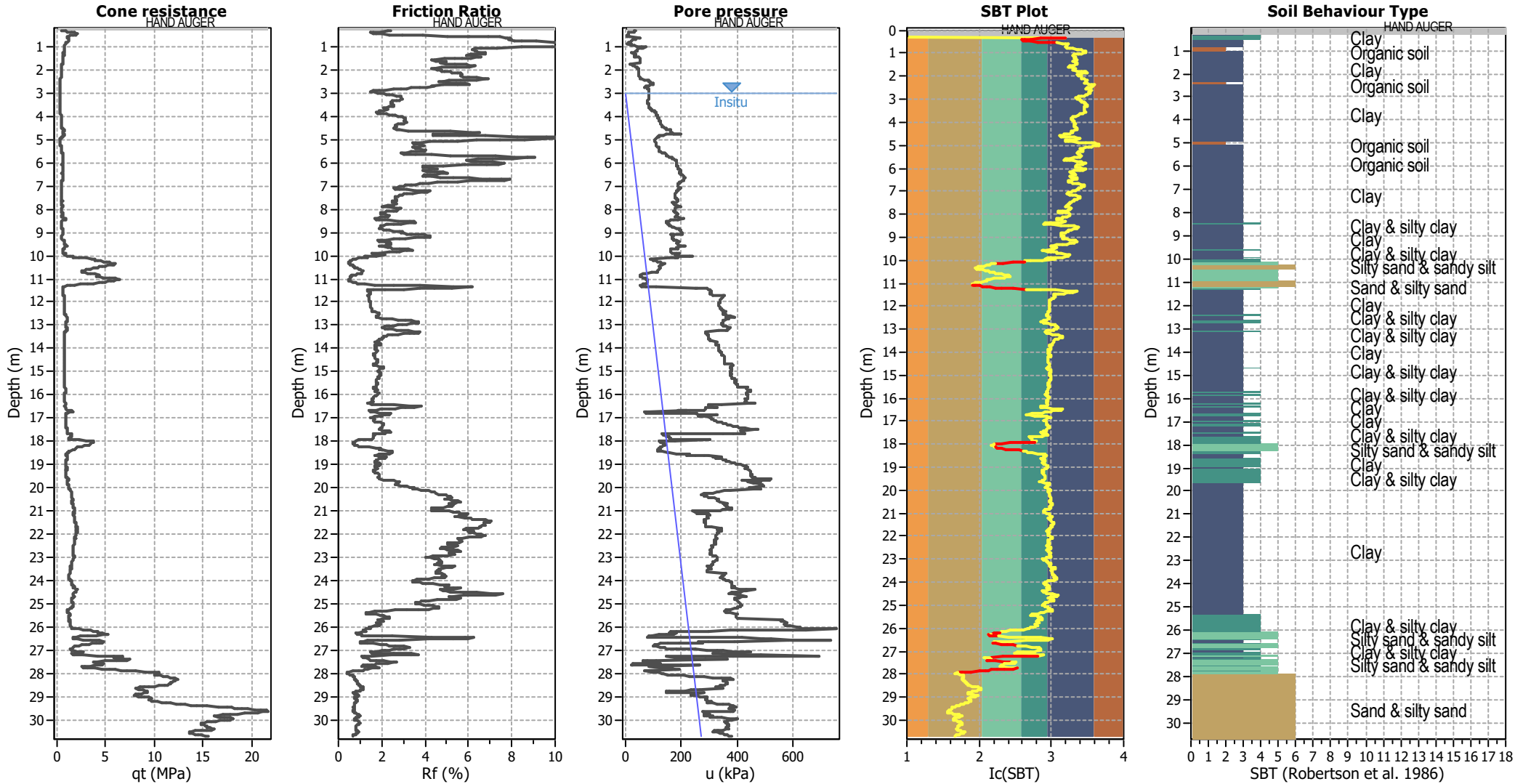
Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	3.00 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	3.00 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	5.50	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	Limit depth:	20.00 m
Peak ground acceleration:	0.14	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	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

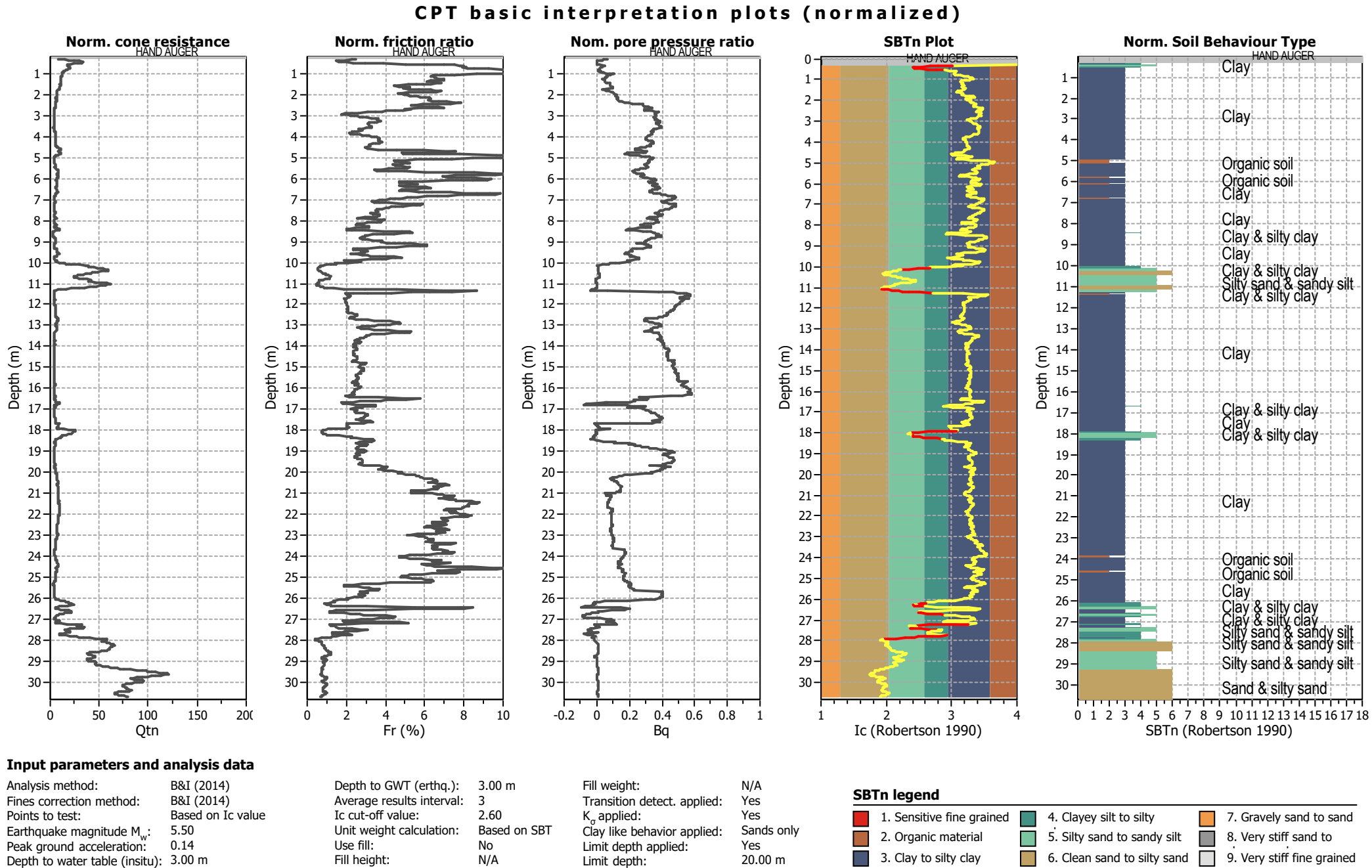


Input parameters and analysis data

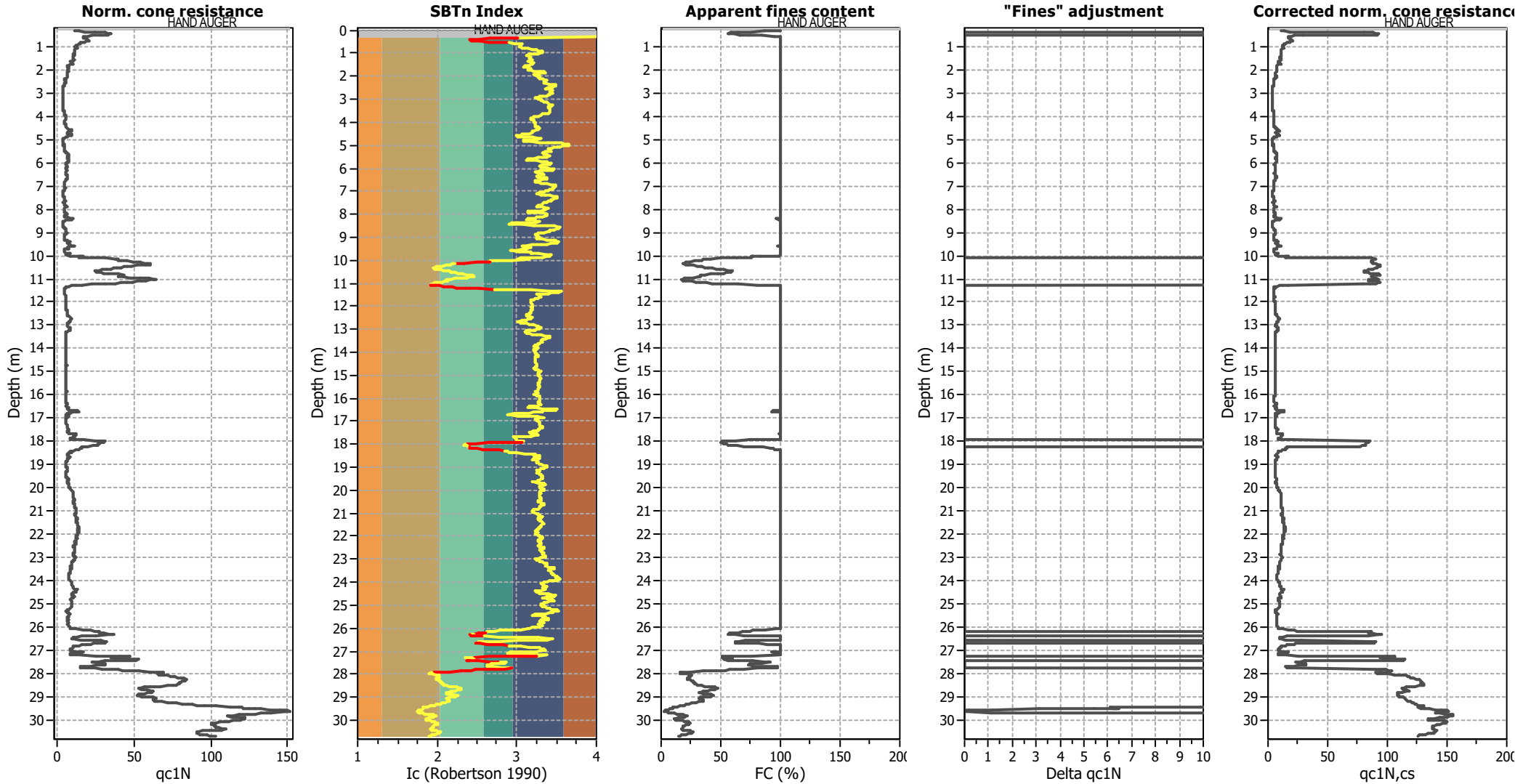
Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K ₀ applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

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

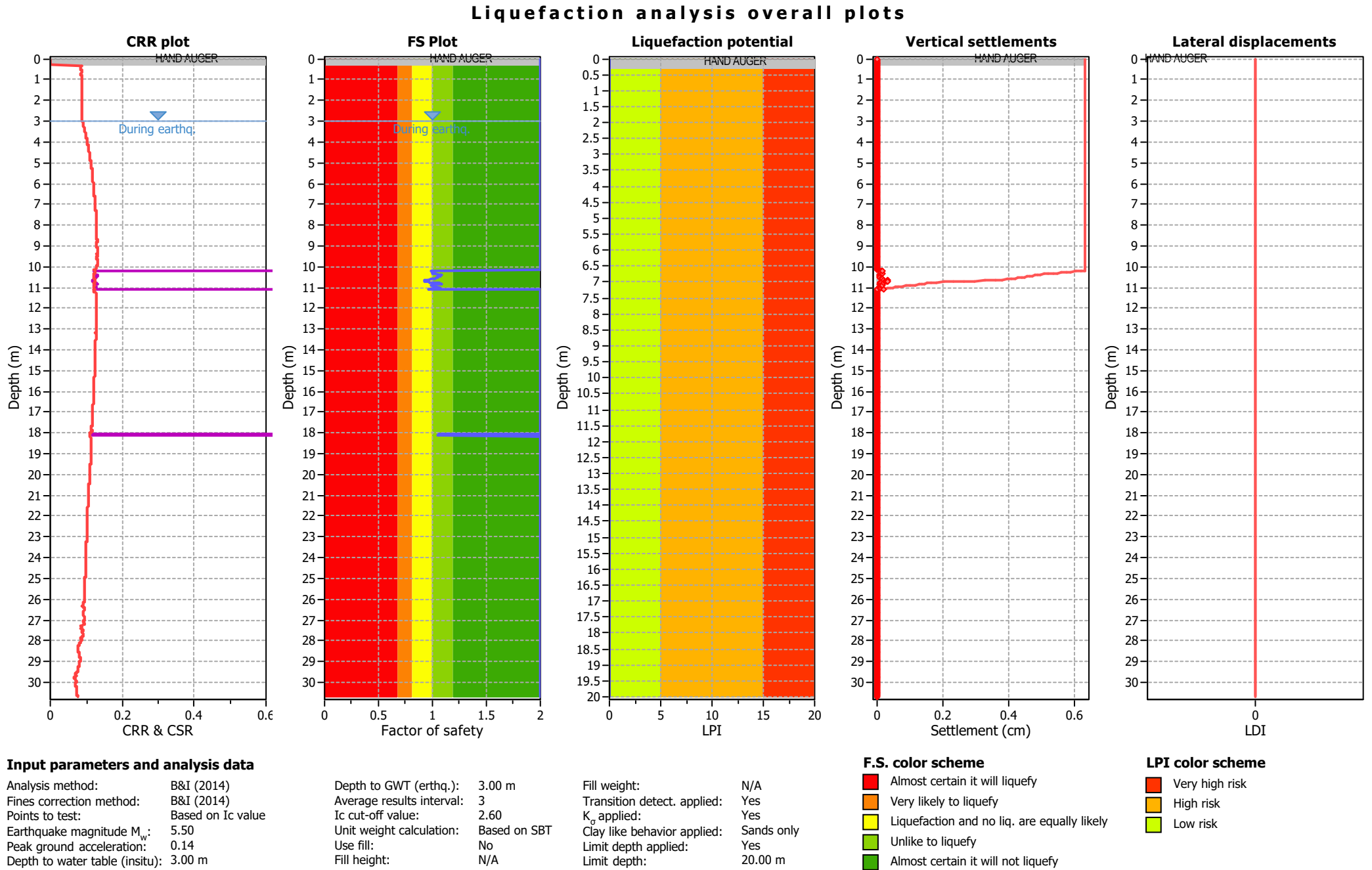


Liquefaction analysis overall plots (intermediate results)

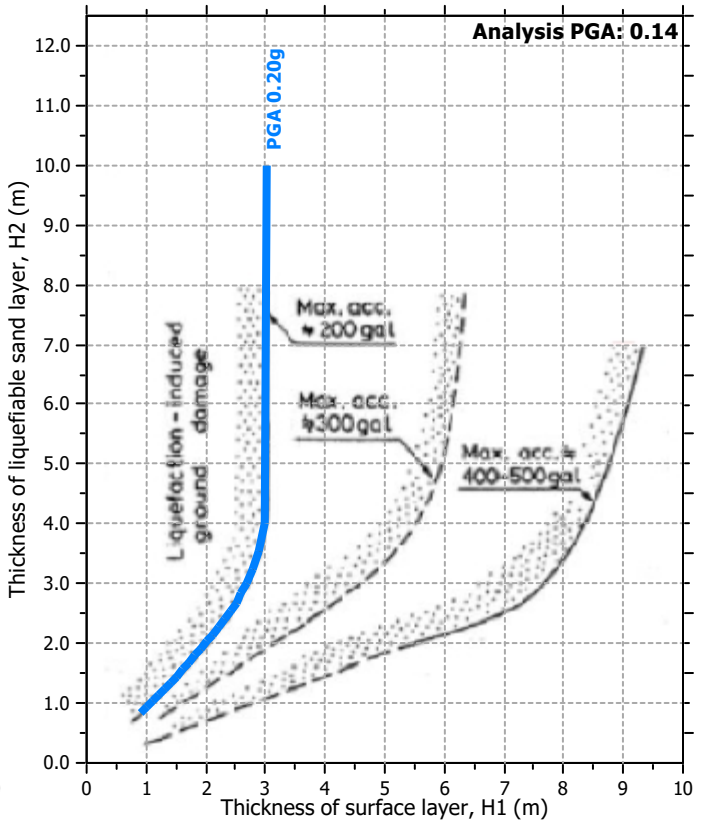
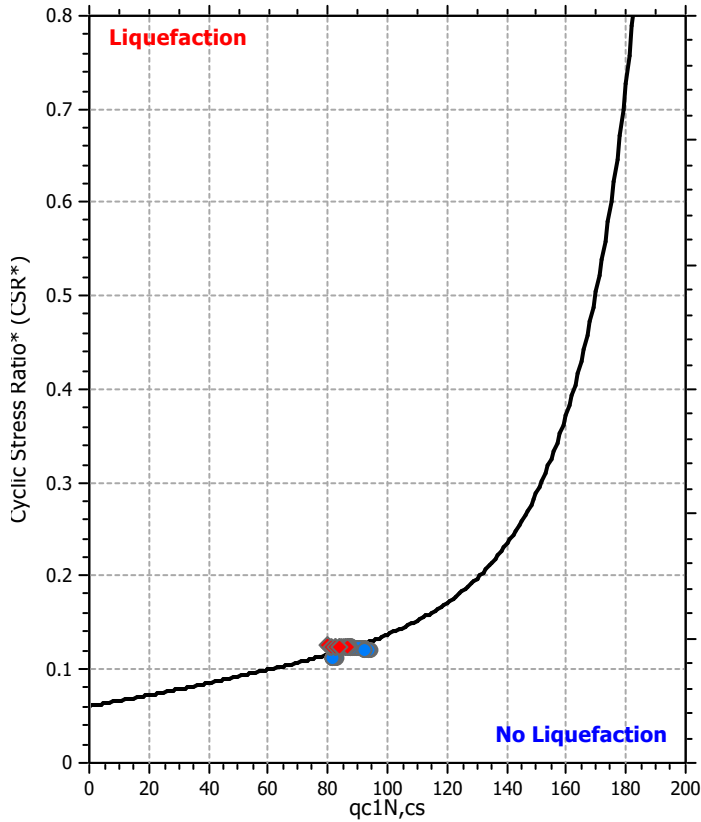
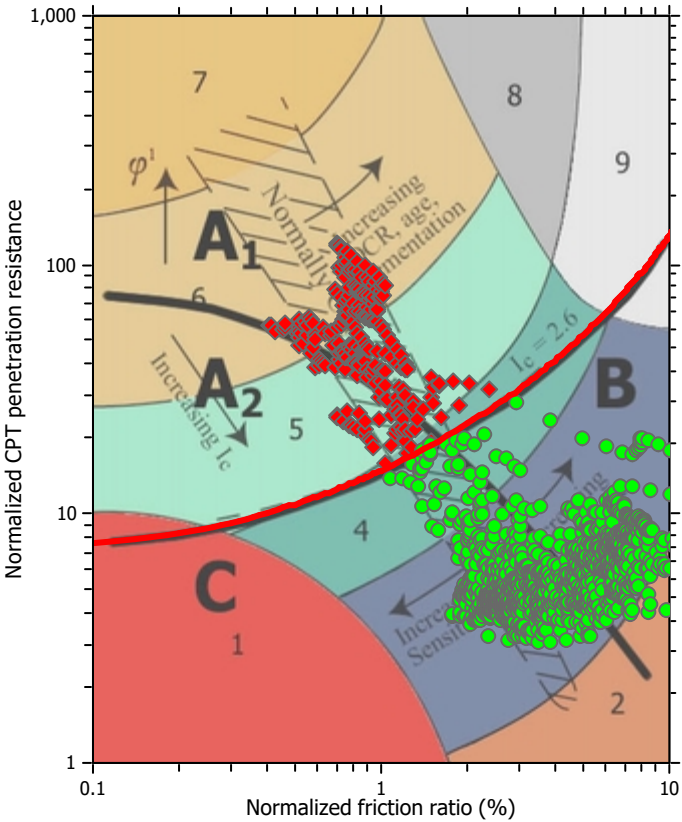


Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _s applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m



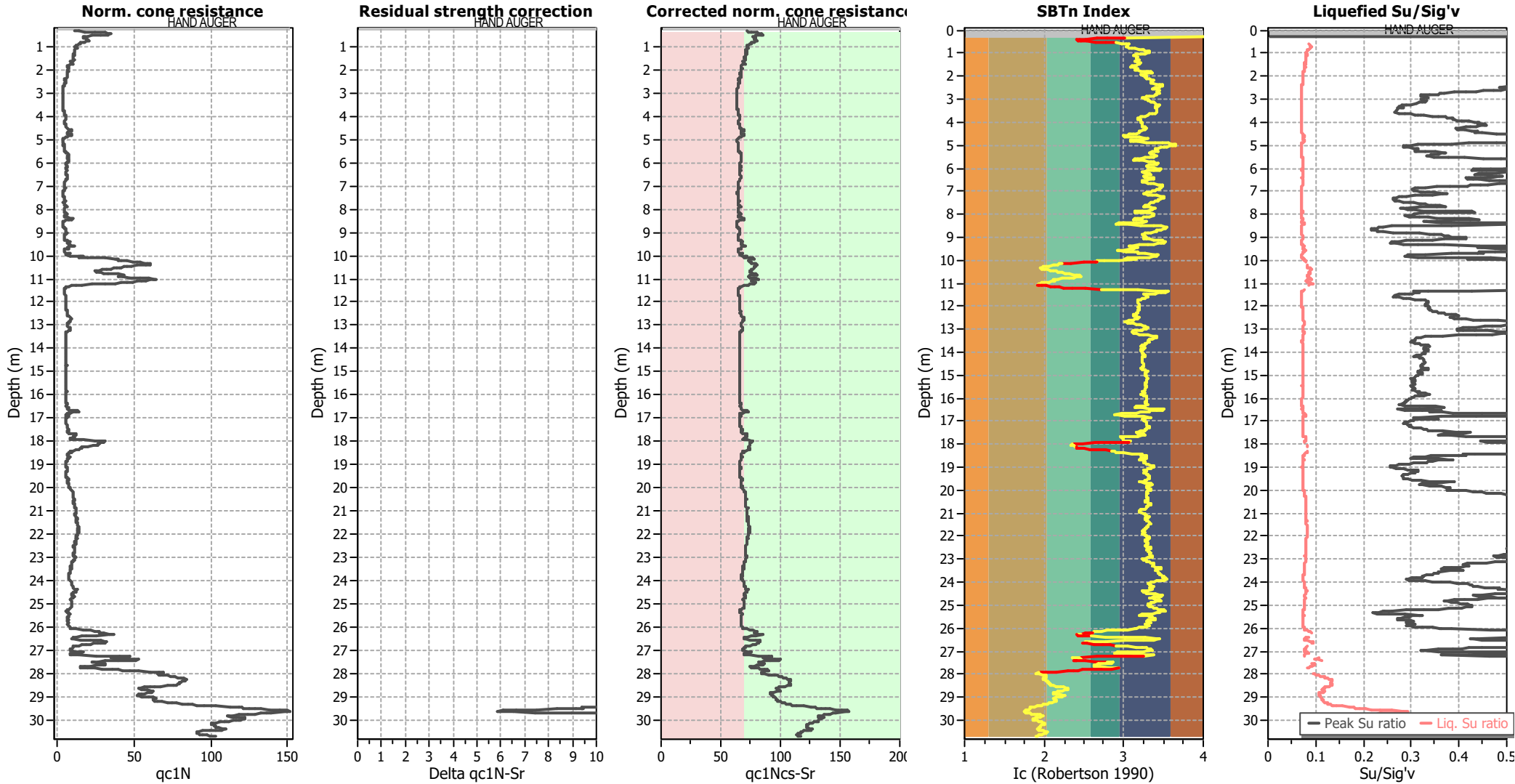
Liquefaction analysis summary plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on I_c value	I_c cut-off value:	2.60	K_{ϕ} applied:	Yes
Earthquake magnitude M_w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _s applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

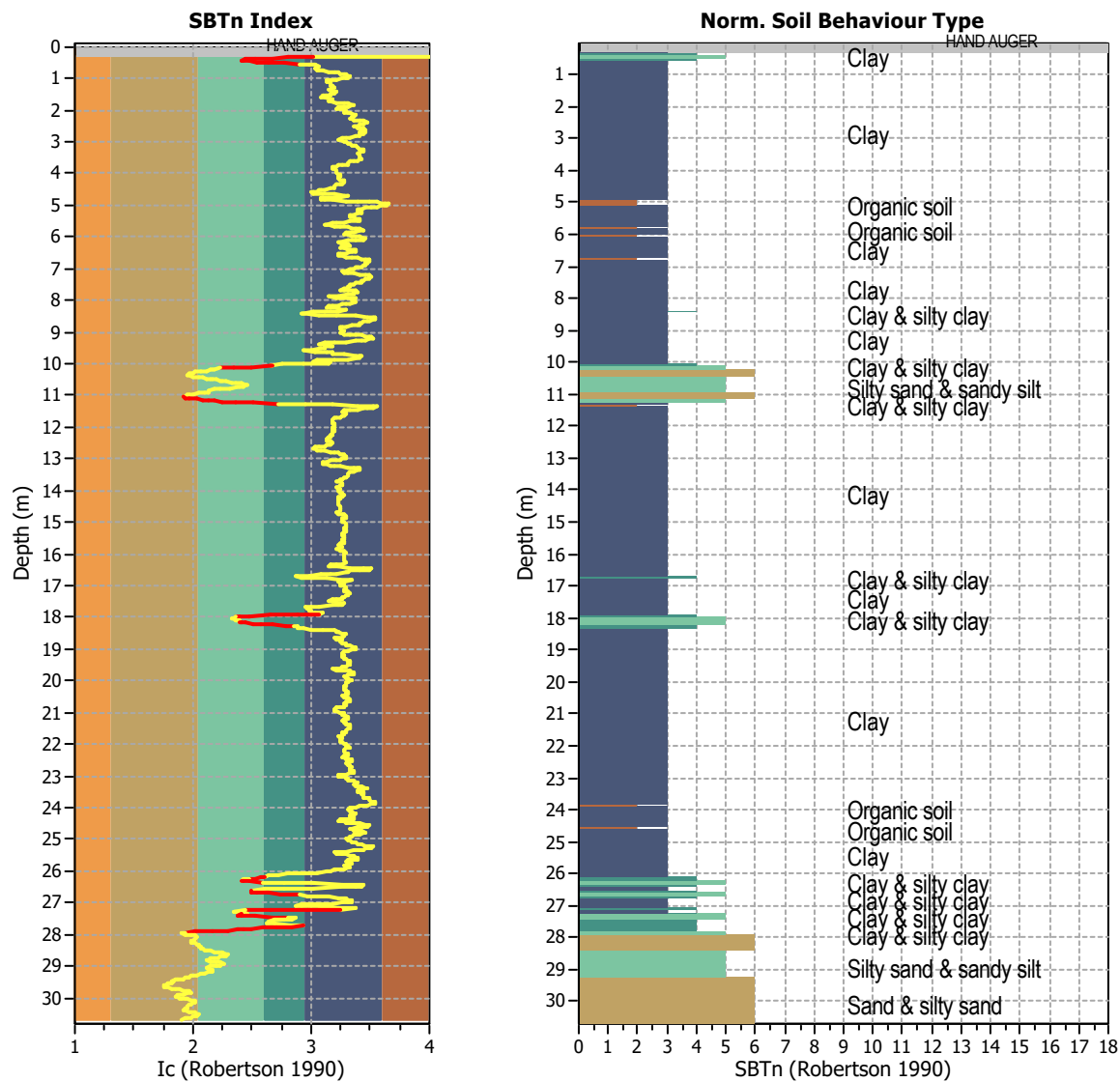
TRANSITION LAYER DETECTION ALGORITHM REPORT

Summary Details & Plots

Short description

The software will delete data when the cone is in transition from either clay to sand or vise-versa. To do this the software requires a range of I_c values over which the transition will be defined (typically somewhere between $1.80 < I_c < 3.0$) and a rate of change of I_c . Transitions typically occur when the rate of change of I_c is fast (i.e. ΔI_c is small).

The SBT_n plot below, displays in red the detected transition layers based on the parameters listed below the graphs.



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:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
0.02	2.00	0.00	0.00	0.00	0.00	0.04	2.00	0.00	0.00	0.00	0.00
0.06	2.00	0.00	0.00	0.00	0.00	0.08	2.00	0.00	0.00	0.00	0.00
0.10	2.00	0.00	0.00	0.00	0.00	0.12	2.00	0.00	0.00	0.00	0.00
0.14	2.00	0.00	0.00	0.00	0.00	0.16	2.00	0.00	0.00	0.00	0.00
0.18	2.00	0.00	0.00	0.00	0.00	0.20	2.00	0.00	0.00	0.00	0.00
0.22	2.00	0.00	0.00	0.00	0.00	0.24	2.00	0.00	0.00	0.00	0.00
0.26	2.00	0.00	0.00	0.00	0.00	0.28	2.00	0.00	0.00	0.00	0.00
0.30	2.00	0.00	0.00	0.00	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	2.00	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	2.00	0.00	0.00	0.02	0.00	2.84	2.00	0.00	0.00	0.02	0.00
2.86	2.00	0.00	0.00	0.02	0.00	2.88	2.00	0.00	0.00	0.02	0.00
2.90	2.00	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.02	0.00	3.60	2.00	0.00	0.00	0.02	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.18	2.00	0.00	0.00	0.02	0.00	5.20	2.00	0.00	0.00	0.02	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	2.00	0.00	0.00	0.02	0.00
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00
5.98	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.02	0.00
6.02	2.00	0.00	0.00	0.02	0.00	6.04	2.00	0.00	0.00	0.02	0.00
6.06	2.00	0.00	0.00	0.02	0.00	6.08	2.00	0.00	0.00	0.02	0.00
6.10	2.00	0.00	0.00	0.02	0.00	6.12	2.00	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.70	2.00	0.00	0.00	0.02	0.00	6.72	2.00	0.00	0.00	0.02	0.00
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	2.00	0.00	0.00	0.02	0.00	6.96	2.00	0.00	0.00	0.02	0.00
6.98	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.02	0.00
7.02	2.00	0.00	0.00	0.02	0.00	7.04	2.00	0.00	0.00	0.02	0.00
7.06	2.00	0.00	0.00	0.02	0.00	7.08	2.00	0.00	0.00	0.02	0.00
7.10	2.00	0.00	0.00	0.02	0.00	7.12	2.00	0.00	0.00	0.02	0.00
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	2.00	0.00	0.00	0.02	0.00	7.48	2.00	0.00	0.00	0.02	0.00
7.50	2.00	0.00	0.00	0.02	0.00	7.52	2.00	0.00	0.00	0.02	0.00
7.54	2.00	0.00	0.00	0.02	0.00	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	2.00	0.00	0.00	0.02	0.00	7.64	2.00	0.00	0.00	0.02	0.00
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	2.00	0.00	0.00	0.02	0.00	8.12	2.00	0.00	0.00	0.02	0.00
8.14	2.00	0.00	0.00	0.02	0.00	8.16	2.00	0.00	0.00	0.02	0.00
8.18	2.00	0.00	0.00	0.02	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.02	0.00	8.24	2.00	0.00	0.00	0.02	0.00
8.26	2.00	0.00	0.00	0.02	0.00	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	2.00	0.00	0.00	0.02	0.00
8.86	2.00	0.00	0.00	0.02	0.00	8.88	2.00	0.00	0.00	0.02	0.00
8.90	2.00	0.00	0.00	0.02	0.00	8.92	2.00	0.00	0.00	0.02	0.00
8.94	2.00	0.00	0.00	0.02	0.00	8.96	2.00	0.00	0.00	0.02	0.00
8.98	2.00	0.00	0.00	0.02	0.00	9.00	2.00	0.00	0.00	0.02	0.00
9.02	2.00	0.00	0.00	0.02	0.00	9.04	2.00	0.00	0.00	0.02	0.00
9.06	2.00	0.00	0.00	0.02	0.00	9.08	2.00	0.00	0.00	0.02	0.00
9.10	2.00	0.00	0.00	0.02	0.00	9.12	2.00	0.00	0.00	0.02	0.00
9.14	2.00	0.00	0.00	0.02	0.00	9.16	2.00	0.00	0.00	0.02	0.00
9.18	2.00	0.00	0.00	0.02	0.00	9.20	2.00	0.00	0.00	0.02	0.00
9.22	2.00	0.00	0.00	0.02	0.00	9.24	2.00	0.00	0.00	0.02	0.00
9.26	2.00	0.00	0.00	0.02	0.00	9.28	2.00	0.00	0.00	0.02	0.00
9.30	2.00	0.00	0.00	0.02	0.00	9.32	2.00	0.00	0.00	0.02	0.00
9.34	2.00	0.00	0.00	0.02	0.00	9.36	2.00	0.00	0.00	0.02	0.00
9.38	2.00	0.00	0.00	0.02	0.00	9.40	2.00	0.00	0.00	0.02	0.00
9.42	2.00	0.00	0.00	0.02	0.00	9.44	2.00	0.00	0.00	0.02	0.00
9.46	2.00	0.00	0.00	0.02	0.00	9.48	2.00	0.00	0.00	0.02	0.00
9.50	2.00	0.00	0.00	0.02	0.00	9.52	2.00	0.00	0.00	0.02	0.00
9.54	2.00	0.00	0.00	0.02	0.00	9.56	2.00	0.00	0.00	0.02	0.00
9.58	2.00	0.00	0.00	0.02	0.00	9.60	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
9.62	2.00	0.00	0.00	0.02	0.00	9.64	2.00	0.00	0.00	0.02	0.00
9.66	2.00	0.00	0.00	0.02	0.00	9.68	2.00	0.00	0.00	0.02	0.00
9.70	2.00	0.00	0.00	0.02	0.00	9.72	2.00	0.00	0.00	0.02	0.00
9.74	2.00	0.00	0.00	0.02	0.00	9.76	2.00	0.00	0.00	0.02	0.00
9.78	2.00	0.00	0.00	0.02	0.00	9.80	2.00	0.00	0.00	0.02	0.00
9.82	2.00	0.00	0.00	0.02	0.00	9.84	2.00	0.00	0.00	0.02	0.00
9.86	2.00	0.00	0.00	0.02	0.00	9.88	2.00	0.00	0.00	0.02	0.00
9.90	2.00	0.00	0.00	0.02	0.00	9.92	2.00	0.00	0.00	0.02	0.00
9.94	2.00	0.00	0.00	0.02	0.00	9.96	2.00	0.00	0.00	0.02	0.00
9.98	2.00	0.00	0.00	0.02	0.00	10.00	2.00	0.00	0.00	0.02	0.00
10.02	2.00	0.00	0.00	0.02	0.00	10.04	2.00	0.00	0.00	0.02	0.00
10.06	2.00	0.00	0.00	0.02	0.00	10.08	2.00	0.00	0.00	0.02	0.00
10.10	2.00	0.00	0.00	0.02	0.00	10.12	2.00	0.00	0.00	0.02	0.00
10.14	2.00	0.00	0.00	0.02	0.00	10.16	2.00	0.00	0.00	0.02	0.00
10.18	1.00	0.00	0.00	0.02	0.00	10.20	0.99	0.01	203394826 5.33	0.02	0.00
10.22	0.99	0.01	212648997 7846.08	0.02	0.00	10.24	1.00	0.00	0.00	0.02	0.00
10.26	1.01	0.00	0.00	0.02	0.00	10.28	1.00	0.00	0.00	0.02	0.00
10.30	1.00	0.00	950712706	0.02	0.00	10.32	1.00	0.00	794249800	0.02	0.00
10.34	1.01	0.00	0.00	0.02	0.00	10.36	1.02	0.00	0.00	0.02	0.00
10.38	1.06	0.00	0.00	0.02	0.00	10.40	1.09	0.00	0.00	0.02	0.00
10.42	1.08	0.00	0.00	0.02	0.00	10.44	1.08	0.00	0.00	0.02	0.00
10.46	1.06	0.00	0.00	0.02	0.00	10.48	1.05	0.00	0.00	0.02	0.00
10.50	1.05	0.00	0.00	0.02	0.00	10.52	1.05	0.00	0.00	0.02	0.00
10.54	1.04	0.00	0.00	0.02	0.00	10.56	1.03	0.00	0.00	0.02	0.00
10.58	1.01	0.00	0.00	0.02	0.00	10.60	0.99	0.01	5139062.6 4	0.02	0.00
10.62	0.97	0.03	458.17	0.02	0.00	10.64	0.95	0.05	46.76	0.02	0.00
10.66	0.93	0.07	16.78	0.02	0.01	10.68	0.93	0.07	13.19	0.02	0.01
10.70	0.93	0.07	18.23	0.02	0.01	10.72	0.95	0.05	63.27	0.02	0.00
10.74	0.96	0.04	211.42	0.02	0.00	10.76	0.97	0.03	2130.80	0.02	0.00
10.78	1.00	0.00	0.00	0.02	0.00	10.80	1.06	0.00	0.00	0.02	0.00
10.82	1.08	0.00	0.00	0.02	0.00	10.84	1.05	0.00	0.00	0.02	0.00
10.86	1.01	0.00	0.00	0.02	0.00	10.88	0.99	0.01	78457064. 21	0.02	0.00
10.90	0.99	0.01	407233155 17.97	0.02	0.00	10.92	1.00	0.00	0.00	0.02	0.00
10.94	1.02	0.00	0.00	0.02	0.00	10.96	1.04	0.00	0.00	0.02	0.00
10.98	1.04	0.00	0.00	0.02	0.00	11.00	1.07	0.00	0.00	0.02	0.00
11.02	1.06	0.00	0.00	0.02	0.00	11.04	1.01	0.00	0.00	0.02	0.00
11.06	0.97	0.03	461.83	0.02	0.00	11.08	2.00	0.00	0.00	0.02	0.00
11.10	2.00	0.00	0.00	0.02	0.00	11.12	2.00	0.00	0.00	0.02	0.00
11.14	2.00	0.00	0.00	0.02	0.00	11.16	2.00	0.00	0.00	0.02	0.00
11.18	2.00	0.00	0.00	0.02	0.00	11.20	2.00	0.00	0.00	0.02	0.00
11.22	2.00	0.00	0.00	0.02	0.00	11.24	2.00	0.00	0.00	0.02	0.00
11.26	2.00	0.00	0.00	0.02	0.00	11.28	2.00	0.00	0.00	0.02	0.00
11.30	2.00	0.00	0.00	0.02	0.00	11.32	2.00	0.00	0.00	0.02	0.00
11.34	2.00	0.00	0.00	0.02	0.00	11.36	2.00	0.00	0.00	0.02	0.00
11.38	2.00	0.00	0.00	0.02	0.00	11.40	2.00	0.00	0.00	0.02	0.00
11.42	2.00	0.00	0.00	0.02	0.00	11.44	2.00	0.00	0.00	0.02	0.00
11.46	2.00	0.00	0.00	0.02	0.00	11.48	2.00	0.00	0.00	0.02	0.00
11.50	2.00	0.00	0.00	0.02	0.00	11.52	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
11.54	2.00	0.00	0.00	0.02	0.00	11.56	2.00	0.00	0.00	0.02	0.00
11.58	2.00	0.00	0.00	0.02	0.00	11.60	2.00	0.00	0.00	0.02	0.00
11.62	2.00	0.00	0.00	0.02	0.00	11.64	2.00	0.00	0.00	0.02	0.00
11.66	2.00	0.00	0.00	0.02	0.00	11.68	2.00	0.00	0.00	0.02	0.00
11.70	2.00	0.00	0.00	0.02	0.00	11.72	2.00	0.00	0.00	0.02	0.00
11.74	2.00	0.00	0.00	0.02	0.00	11.76	2.00	0.00	0.00	0.02	0.00
11.78	2.00	0.00	0.00	0.02	0.00	11.80	2.00	0.00	0.00	0.02	0.00
11.82	2.00	0.00	0.00	0.02	0.00	11.84	2.00	0.00	0.00	0.02	0.00
11.86	2.00	0.00	0.00	0.02	0.00	11.88	2.00	0.00	0.00	0.02	0.00
11.90	2.00	0.00	0.00	0.02	0.00	11.92	2.00	0.00	0.00	0.02	0.00
11.94	2.00	0.00	0.00	0.02	0.00	11.96	2.00	0.00	0.00	0.02	0.00
11.98	2.00	0.00	0.00	0.02	0.00	12.00	2.00	0.00	0.00	0.02	0.00
12.02	2.00	0.00	0.00	0.02	0.00	12.04	2.00	0.00	0.00	0.02	0.00
12.06	2.00	0.00	0.00	0.02	0.00	12.08	2.00	0.00	0.00	0.02	0.00
12.10	2.00	0.00	0.00	0.02	0.00	12.12	2.00	0.00	0.00	0.02	0.00
12.14	2.00	0.00	0.00	0.02	0.00	12.16	2.00	0.00	0.00	0.02	0.00
12.18	2.00	0.00	0.00	0.02	0.00	12.20	2.00	0.00	0.00	0.02	0.00
12.22	2.00	0.00	0.00	0.02	0.00	12.24	2.00	0.00	0.00	0.02	0.00
12.26	2.00	0.00	0.00	0.02	0.00	12.28	2.00	0.00	0.00	0.02	0.00
12.30	2.00	0.00	0.00	0.02	0.00	12.32	2.00	0.00	0.00	0.02	0.00
12.34	2.00	0.00	0.00	0.02	0.00	12.36	2.00	0.00	0.00	0.02	0.00
12.38	2.00	0.00	0.00	0.02	0.00	12.40	2.00	0.00	0.00	0.02	0.00
12.42	2.00	0.00	0.00	0.02	0.00	12.44	2.00	0.00	0.00	0.02	0.00
12.46	2.00	0.00	0.00	0.02	0.00	12.48	2.00	0.00	0.00	0.02	0.00
12.50	2.00	0.00	0.00	0.02	0.00	12.52	2.00	0.00	0.00	0.02	0.00
12.54	2.00	0.00	0.00	0.02	0.00	12.56	2.00	0.00	0.00	0.02	0.00
12.58	2.00	0.00	0.00	0.02	0.00	12.60	2.00	0.00	0.00	0.02	0.00
12.62	2.00	0.00	0.00	0.02	0.00	12.64	2.00	0.00	0.00	0.02	0.00
12.66	2.00	0.00	0.00	0.02	0.00	12.68	2.00	0.00	0.00	0.02	0.00
12.70	2.00	0.00	0.00	0.02	0.00	12.72	2.00	0.00	0.00	0.02	0.00
12.74	2.00	0.00	0.00	0.02	0.00	12.76	2.00	0.00	0.00	0.02	0.00
12.78	2.00	0.00	0.00	0.02	0.00	12.80	2.00	0.00	0.00	0.02	0.00
12.82	2.00	0.00	0.00	0.02	0.00	12.84	2.00	0.00	0.00	0.02	0.00
12.86	2.00	0.00	0.00	0.02	0.00	12.88	2.00	0.00	0.00	0.02	0.00
12.90	2.00	0.00	0.00	0.02	0.00	12.92	2.00	0.00	0.00	0.02	0.00
12.94	2.00	0.00	0.00	0.02	0.00	12.96	2.00	0.00	0.00	0.02	0.00
12.98	2.00	0.00	0.00	0.02	0.00	13.00	2.00	0.00	0.00	0.02	0.00
13.02	2.00	0.00	0.00	0.02	0.00	13.04	2.00	0.00	0.00	0.02	0.00
13.06	2.00	0.00	0.00	0.02	0.00	13.08	2.00	0.00	0.00	0.02	0.00
13.10	2.00	0.00	0.00	0.02	0.00	13.12	2.00	0.00	0.00	0.02	0.00
13.14	2.00	0.00	0.00	0.02	0.00	13.16	2.00	0.00	0.00	0.02	0.00
13.18	2.00	0.00	0.00	0.02	0.00	13.20	2.00	0.00	0.00	0.02	0.00
13.22	2.00	0.00	0.00	0.02	0.00	13.24	2.00	0.00	0.00	0.02	0.00
13.26	2.00	0.00	0.00	0.02	0.00	13.28	2.00	0.00	0.00	0.02	0.00
13.30	2.00	0.00	0.00	0.02	0.00	13.32	2.00	0.00	0.00	0.02	0.00
13.34	2.00	0.00	0.00	0.02	0.00	13.36	2.00	0.00	0.00	0.02	0.00
13.38	2.00	0.00	0.00	0.02	0.00	13.40	2.00	0.00	0.00	0.02	0.00
13.42	2.00	0.00	0.00	0.02	0.00	13.44	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
13.46	2.00	0.00	0.00	0.02	0.00	13.48	2.00	0.00	0.00	0.02	0.00
13.50	2.00	0.00	0.00	0.02	0.00	13.52	2.00	0.00	0.00	0.02	0.00
13.54	2.00	0.00	0.00	0.02	0.00	13.56	2.00	0.00	0.00	0.02	0.00
13.58	2.00	0.00	0.00	0.02	0.00	13.60	2.00	0.00	0.00	0.02	0.00
13.62	2.00	0.00	0.00	0.02	0.00	13.64	2.00	0.00	0.00	0.02	0.00
13.66	2.00	0.00	0.00	0.02	0.00	13.68	2.00	0.00	0.00	0.02	0.00
13.70	2.00	0.00	0.00	0.02	0.00	13.72	2.00	0.00	0.00	0.02	0.00
13.74	2.00	0.00	0.00	0.02	0.00	13.76	2.00	0.00	0.00	0.02	0.00
13.78	2.00	0.00	0.00	0.02	0.00	13.80	2.00	0.00	0.00	0.02	0.00
13.82	2.00	0.00	0.00	0.02	0.00	13.84	2.00	0.00	0.00	0.02	0.00
13.86	2.00	0.00	0.00	0.02	0.00	13.88	2.00	0.00	0.00	0.02	0.00
13.90	2.00	0.00	0.00	0.02	0.00	13.92	2.00	0.00	0.00	0.02	0.00
13.94	2.00	0.00	0.00	0.02	0.00	13.96	2.00	0.00	0.00	0.02	0.00
13.98	2.00	0.00	0.00	0.02	0.00	14.00	2.00	0.00	0.00	0.02	0.00
14.02	2.00	0.00	0.00	0.02	0.00	14.04	2.00	0.00	0.00	0.02	0.00
14.06	2.00	0.00	0.00	0.02	0.00	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	2.00	0.00	0.00	0.02	0.00
14.14	2.00	0.00	0.00	0.02	0.00	14.16	2.00	0.00	0.00	0.02	0.00
14.18	2.00	0.00	0.00	0.02	0.00	14.20	2.00	0.00	0.00	0.02	0.00
14.22	2.00	0.00	0.00	0.02	0.00	14.24	2.00	0.00	0.00	0.02	0.00
14.26	2.00	0.00	0.00	0.02	0.00	14.28	2.00	0.00	0.00	0.02	0.00
14.30	2.00	0.00	0.00	0.02	0.00	14.32	2.00	0.00	0.00	0.02	0.00
14.34	2.00	0.00	0.00	0.02	0.00	14.36	2.00	0.00	0.00	0.02	0.00
14.38	2.00	0.00	0.00	0.02	0.00	14.40	2.00	0.00	0.00	0.02	0.00
14.42	2.00	0.00	0.00	0.02	0.00	14.44	2.00	0.00	0.00	0.02	0.00
14.46	2.00	0.00	0.00	0.02	0.00	14.48	2.00	0.00	0.00	0.02	0.00
14.50	2.00	0.00	0.00	0.02	0.00	14.52	2.00	0.00	0.00	0.02	0.00
14.54	2.00	0.00	0.00	0.02	0.00	14.56	2.00	0.00	0.00	0.02	0.00
14.58	2.00	0.00	0.00	0.02	0.00	14.60	2.00	0.00	0.00	0.02	0.00
14.62	2.00	0.00	0.00	0.02	0.00	14.64	2.00	0.00	0.00	0.02	0.00
14.66	2.00	0.00	0.00	0.02	0.00	14.68	2.00	0.00	0.00	0.02	0.00
14.70	2.00	0.00	0.00	0.02	0.00	14.72	2.00	0.00	0.00	0.02	0.00
14.74	2.00	0.00	0.00	0.02	0.00	14.76	2.00	0.00	0.00	0.02	0.00
14.78	2.00	0.00	0.00	0.02	0.00	14.80	2.00	0.00	0.00	0.02	0.00
14.82	2.00	0.00	0.00	0.02	0.00	14.84	2.00	0.00	0.00	0.02	0.00
14.86	2.00	0.00	0.00	0.02	0.00	14.88	2.00	0.00	0.00	0.02	0.00
14.90	2.00	0.00	0.00	0.02	0.00	14.92	2.00	0.00	0.00	0.02	0.00
14.94	2.00	0.00	0.00	0.02	0.00	14.96	2.00	0.00	0.00	0.02	0.00
14.98	2.00	0.00	0.00	0.02	0.00	15.00	2.00	0.00	0.00	0.02	0.00
15.02	2.00	0.00	0.00	0.02	0.00	15.04	2.00	0.00	0.00	0.02	0.00
15.06	2.00	0.00	0.00	0.02	0.00	15.08	2.00	0.00	0.00	0.02	0.00
15.10	2.00	0.00	0.00	0.02	0.00	15.12	2.00	0.00	0.00	0.02	0.00
15.14	2.00	0.00	0.00	0.02	0.00	15.16	2.00	0.00	0.00	0.02	0.00
15.18	2.00	0.00	0.00	0.02	0.00	15.20	2.00	0.00	0.00	0.02	0.00
15.22	2.00	0.00	0.00	0.02	0.00	15.24	2.00	0.00	0.00	0.02	0.00
15.26	2.00	0.00	0.00	0.02	0.00	15.28	2.00	0.00	0.00	0.02	0.00
15.30	2.00	0.00	0.00	0.02	0.00	15.32	2.00	0.00	0.00	0.02	0.00
15.34	2.00	0.00	0.00	0.02	0.00	15.36	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
15.38	2.00	0.00	0.00	0.02	0.00	15.40	2.00	0.00	0.00	0.02	0.00
15.42	2.00	0.00	0.00	0.02	0.00	15.44	2.00	0.00	0.00	0.02	0.00
15.46	2.00	0.00	0.00	0.02	0.00	15.48	2.00	0.00	0.00	0.02	0.00
15.50	2.00	0.00	0.00	0.02	0.00	15.52	2.00	0.00	0.00	0.02	0.00
15.54	2.00	0.00	0.00	0.02	0.00	15.56	2.00	0.00	0.00	0.02	0.00
15.58	2.00	0.00	0.00	0.02	0.00	15.60	2.00	0.00	0.00	0.02	0.00
15.62	2.00	0.00	0.00	0.02	0.00	15.64	2.00	0.00	0.00	0.02	0.00
15.66	2.00	0.00	0.00	0.02	0.00	15.68	2.00	0.00	0.00	0.02	0.00
15.70	2.00	0.00	0.00	0.02	0.00	15.72	2.00	0.00	0.00	0.02	0.00
15.74	2.00	0.00	0.00	0.02	0.00	15.76	2.00	0.00	0.00	0.02	0.00
15.78	2.00	0.00	0.00	0.02	0.00	15.80	2.00	0.00	0.00	0.02	0.00
15.82	2.00	0.00	0.00	0.02	0.00	15.84	2.00	0.00	0.00	0.02	0.00
15.86	2.00	0.00	0.00	0.02	0.00	15.88	2.00	0.00	0.00	0.02	0.00
15.90	2.00	0.00	0.00	0.02	0.00	15.92	2.00	0.00	0.00	0.02	0.00
15.94	2.00	0.00	0.00	0.02	0.00	15.96	2.00	0.00	0.00	0.02	0.00
15.98	2.00	0.00	0.00	0.02	0.00	16.00	2.00	0.00	0.00	0.02	0.00
16.02	2.00	0.00	0.00	0.02	0.00	16.04	2.00	0.00	0.00	0.02	0.00
16.06	2.00	0.00	0.00	0.02	0.00	16.08	2.00	0.00	0.00	0.02	0.00
16.10	2.00	0.00	0.00	0.02	0.00	16.12	2.00	0.00	0.00	0.02	0.00
16.14	2.00	0.00	0.00	0.02	0.00	16.16	2.00	0.00	0.00	0.02	0.00
16.18	2.00	0.00	0.00	0.02	0.00	16.20	2.00	0.00	0.00	0.02	0.00
16.22	2.00	0.00	0.00	0.02	0.00	16.24	2.00	0.00	0.00	0.02	0.00
16.26	2.00	0.00	0.00	0.02	0.00	16.28	2.00	0.00	0.00	0.02	0.00
16.30	2.00	0.00	0.00	0.02	0.00	16.32	2.00	0.00	0.00	0.02	0.00
16.34	2.00	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.42	2.00	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	2.00	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.56	2.00	0.00	0.00	0.02	0.00
16.58	2.00	0.00	0.00	0.02	0.00	16.60	2.00	0.00	0.00	0.02	0.00
16.62	2.00	0.00	0.00	0.02	0.00	16.64	2.00	0.00	0.00	0.02	0.00
16.66	2.00	0.00	0.00	0.02	0.00	16.68	2.00	0.00	0.00	0.02	0.00
16.70	2.00	0.00	0.00	0.02	0.00	16.72	2.00	0.00	0.00	0.02	0.00
16.74	2.00	0.00	0.00	0.02	0.00	16.76	2.00	0.00	0.00	0.02	0.00
16.78	2.00	0.00	0.00	0.02	0.00	16.80	2.00	0.00	0.00	0.02	0.00
16.82	2.00	0.00	0.00	0.02	0.00	16.84	2.00	0.00	0.00	0.02	0.00
16.86	2.00	0.00	0.00	0.02	0.00	16.88	2.00	0.00	0.00	0.02	0.00
16.90	2.00	0.00	0.00	0.02	0.00	16.92	2.00	0.00	0.00	0.02	0.00
16.94	2.00	0.00	0.00	0.02	0.00	16.96	2.00	0.00	0.00	0.02	0.00
16.98	2.00	0.00	0.00	0.02	0.00	17.00	2.00	0.00	0.00	0.02	0.00
17.02	2.00	0.00	0.00	0.02	0.00	17.04	2.00	0.00	0.00	0.02	0.00
17.06	2.00	0.00	0.00	0.02	0.00	17.08	2.00	0.00	0.00	0.02	0.00
17.10	2.00	0.00	0.00	0.02	0.00	17.12	2.00	0.00	0.00	0.02	0.00
17.14	2.00	0.00	0.00	0.02	0.00	17.16	2.00	0.00	0.00	0.02	0.00
17.18	2.00	0.00	0.00	0.02	0.00	17.20	2.00	0.00	0.00	0.02	0.00
17.22	2.00	0.00	0.00	0.02	0.00	17.24	2.00	0.00	0.00	0.02	0.00
17.26	2.00	0.00	0.00	0.02	0.00	17.28	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
17.30	2.00	0.00	0.00	0.02	0.00	17.32	2.00	0.00	0.00	0.02	0.00
17.34	2.00	0.00	0.00	0.02	0.00	17.36	2.00	0.00	0.00	0.02	0.00
17.38	2.00	0.00	0.00	0.02	0.00	17.40	2.00	0.00	0.00	0.02	0.00
17.42	2.00	0.00	0.00	0.02	0.00	17.44	2.00	0.00	0.00	0.02	0.00
17.46	2.00	0.00	0.00	0.02	0.00	17.48	2.00	0.00	0.00	0.02	0.00
17.50	2.00	0.00	0.00	0.02	0.00	17.52	2.00	0.00	0.00	0.02	0.00
17.54	2.00	0.00	0.00	0.02	0.00	17.56	2.00	0.00	0.00	0.02	0.00
17.58	2.00	0.00	0.00	0.02	0.00	17.60	2.00	0.00	0.00	0.02	0.00
17.62	2.00	0.00	0.00	0.02	0.00	17.64	2.00	0.00	0.00	0.02	0.00
17.66	2.00	0.00	0.00	0.02	0.00	17.68	2.00	0.00	0.00	0.02	0.00
17.70	2.00	0.00	0.00	0.02	0.00	17.72	2.00	0.00	0.00	0.02	0.00
17.74	2.00	0.00	0.00	0.02	0.00	17.76	2.00	0.00	0.00	0.02	0.00
17.78	2.00	0.00	0.00	0.02	0.00	17.80	2.00	0.00	0.00	0.02	0.00
17.82	2.00	0.00	0.00	0.02	0.00	17.84	2.00	0.00	0.00	0.02	0.00
17.86	2.00	0.00	0.00	0.02	0.00	17.88	2.00	0.00	0.00	0.02	0.00
17.90	2.00	0.00	0.00	0.02	0.00	17.92	2.00	0.00	0.00	0.02	0.00
17.94	2.00	0.00	0.00	0.02	0.00	17.96	2.00	0.00	0.00	0.02	0.00
17.98	2.00	0.00	0.00	0.02	0.00	18.00	2.00	0.00	0.00	0.02	0.00
18.02	2.00	0.00	0.00	0.02	0.00	18.04	1.07	0.00	0.00	0.02	0.00
18.06	1.07	0.00	0.00	0.02	0.00	18.08	1.06	0.00	0.00	0.02	0.00
18.10	1.05	0.00	0.00	0.02	0.00	18.12	1.06	0.00	0.00	0.02	0.00
18.14	1.06	0.00	0.00	0.02	0.00	18.16	2.00	0.00	0.00	0.02	0.00
18.18	2.00	0.00	0.00	0.02	0.00	18.20	2.00	0.00	0.00	0.02	0.00
18.22	2.00	0.00	0.00	0.02	0.00	18.24	2.00	0.00	0.00	0.02	0.00
18.26	2.00	0.00	0.00	0.02	0.00	18.28	2.00	0.00	0.00	0.02	0.00
18.30	2.00	0.00	0.00	0.02	0.00	18.32	2.00	0.00	0.00	0.02	0.00
18.34	2.00	0.00	0.00	0.02	0.00	18.36	2.00	0.00	0.00	0.02	0.00
18.38	2.00	0.00	0.00	0.02	0.00	18.40	2.00	0.00	0.00	0.02	0.00
18.42	2.00	0.00	0.00	0.02	0.00	18.44	2.00	0.00	0.00	0.02	0.00
18.46	2.00	0.00	0.00	0.02	0.00	18.48	2.00	0.00	0.00	0.02	0.00
18.50	2.00	0.00	0.00	0.02	0.00	18.52	2.00	0.00	0.00	0.02	0.00
18.54	2.00	0.00	0.00	0.02	0.00	18.56	2.00	0.00	0.00	0.02	0.00
18.58	2.00	0.00	0.00	0.02	0.00	18.60	2.00	0.00	0.00	0.02	0.00
18.62	2.00	0.00	0.00	0.02	0.00	18.64	2.00	0.00	0.00	0.02	0.00
18.66	2.00	0.00	0.00	0.02	0.00	18.68	2.00	0.00	0.00	0.02	0.00
18.70	2.00	0.00	0.00	0.02	0.00	18.72	2.00	0.00	0.00	0.02	0.00
18.74	2.00	0.00	0.00	0.02	0.00	18.76	2.00	0.00	0.00	0.02	0.00
18.78	2.00	0.00	0.00	0.02	0.00	18.80	2.00	0.00	0.00	0.02	0.00
18.82	2.00	0.00	0.00	0.02	0.00	18.84	2.00	0.00	0.00	0.02	0.00
18.86	2.00	0.00	0.00	0.02	0.00	18.88	2.00	0.00	0.00	0.02	0.00
18.90	2.00	0.00	0.00	0.02	0.00	18.92	2.00	0.00	0.00	0.02	0.00
18.94	2.00	0.00	0.00	0.02	0.00	18.96	2.00	0.00	0.00	0.02	0.00
18.98	2.00	0.00	0.00	0.02	0.00	19.00	2.00	0.00	0.00	0.02	0.00
19.02	2.00	0.00	0.00	0.02	0.00	19.04	2.00	0.00	0.00	0.02	0.00
19.06	2.00	0.00	0.00	0.02	0.00	19.08	2.00	0.00	0.00	0.02	0.00
19.10	2.00	0.00	0.00	0.02	0.00	19.12	2.00	0.00	0.00	0.02	0.00
19.14	2.00	0.00	0.00	0.02	0.00	19.16	2.00	0.00	0.00	0.02	0.00
19.18	2.00	0.00	0.00	0.02	0.00	19.20	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
19.22	2.00	0.00	0.00	0.02	0.00	19.24	2.00	0.00	0.00	0.02	0.00
19.26	2.00	0.00	0.00	0.02	0.00	19.28	2.00	0.00	0.00	0.02	0.00
19.30	2.00	0.00	0.00	0.02	0.00	19.32	2.00	0.00	0.00	0.02	0.00
19.34	2.00	0.00	0.00	0.02	0.00	19.36	2.00	0.00	0.00	0.02	0.00
19.38	2.00	0.00	0.00	0.02	0.00	19.40	2.00	0.00	0.00	0.02	0.00
19.42	2.00	0.00	0.00	0.02	0.00	19.44	2.00	0.00	0.00	0.02	0.00
19.46	2.00	0.00	0.00	0.02	0.00	19.48	2.00	0.00	0.00	0.02	0.00
19.50	2.00	0.00	0.00	0.02	0.00	19.52	2.00	0.00	0.00	0.02	0.00
19.54	2.00	0.00	0.00	0.02	0.00	19.56	2.00	0.00	0.00	0.02	0.00
19.58	2.00	0.00	0.00	0.02	0.00	19.60	2.00	0.00	0.00	0.02	0.00
19.62	2.00	0.00	0.00	0.02	0.00	19.64	2.00	0.00	0.00	0.02	0.00
19.66	2.00	0.00	0.00	0.02	0.00	19.68	2.00	0.00	0.00	0.02	0.00
19.70	2.00	0.00	0.00	0.02	0.00	19.72	2.00	0.00	0.00	0.02	0.00
19.74	2.00	0.00	0.00	0.02	0.00	19.76	2.00	0.00	0.00	0.02	0.00
19.78	2.00	0.00	0.00	0.02	0.00	19.80	2.00	0.00	0.00	0.02	0.00
19.82	2.00	0.00	0.00	0.02	0.00	19.84	2.00	0.00	0.00	0.02	0.00
19.86	2.00	0.00	0.00	0.02	0.00	19.88	2.00	0.00	0.00	0.02	0.00
19.90	2.00	0.00	0.00	0.02	0.00	19.92	2.00	0.00	0.00	0.02	0.00
19.94	2.00	0.00	0.00	0.02	0.00	19.96	2.00	0.00	0.00	0.02	0.00
19.98	2.00	0.00	0.00	0.02	0.00	20.00	2.00	0.00	0.00	0.02	0.00
20.02	2.00	0.00	0.00	0.02	0.00	20.04	2.00	0.00	0.00	0.02	0.00
20.06	2.00	0.00	0.00	0.02	0.00	20.08	2.00	0.00	0.00	0.02	0.00
20.10	2.00	0.00	0.00	0.02	0.00	20.12	2.00	0.00	0.00	0.02	0.00
20.14	2.00	0.00	0.00	0.02	0.00	20.16	2.00	0.00	0.00	0.02	0.00
20.18	2.00	0.00	0.00	0.02	0.00	20.20	2.00	0.00	0.00	0.02	0.00
20.22	2.00	0.00	0.00	0.02	0.00	20.24	2.00	0.00	0.00	0.02	0.00
20.26	2.00	0.00	0.00	0.02	0.00	20.28	2.00	0.00	0.00	0.02	0.00
20.30	2.00	0.00	0.00	0.02	0.00	20.32	2.00	0.00	0.00	0.02	0.00
20.34	2.00	0.00	0.00	0.02	0.00	20.36	2.00	0.00	0.00	0.02	0.00
20.38	2.00	0.00	0.00	0.02	0.00	20.40	2.00	0.00	0.00	0.02	0.00
20.42	2.00	0.00	0.00	0.02	0.00	20.44	2.00	0.00	0.00	0.02	0.00
20.46	2.00	0.00	0.00	0.02	0.00	20.48	2.00	0.00	0.00	0.02	0.00
20.50	2.00	0.00	0.00	0.02	0.00	20.52	2.00	0.00	0.00	0.02	0.00
20.54	2.00	0.00	0.00	0.02	0.00	20.56	2.00	0.00	0.00	0.02	0.00
20.58	2.00	0.00	0.00	0.02	0.00	20.60	2.00	0.00	0.00	0.02	0.00
20.62	2.00	0.00	0.00	0.02	0.00	20.64	2.00	0.00	0.00	0.02	0.00
20.66	2.00	0.00	0.00	0.02	0.00	20.68	2.00	0.00	0.00	0.02	0.00
20.70	2.00	0.00	0.00	0.02	0.00	20.72	2.00	0.00	0.00	0.02	0.00
20.74	2.00	0.00	0.00	0.02	0.00	20.76	2.00	0.00	0.00	0.02	0.00
20.78	2.00	0.00	0.00	0.02	0.00	20.80	2.00	0.00	0.00	0.02	0.00
20.82	2.00	0.00	0.00	0.02	0.00	20.84	2.00	0.00	0.00	0.02	0.00
20.86	2.00	0.00	0.00	0.02	0.00	20.88	2.00	0.00	0.00	0.02	0.00
20.90	2.00	0.00	0.00	0.02	0.00	20.92	2.00	0.00	0.00	0.02	0.00
20.94	2.00	0.00	0.00	0.02	0.00	20.96	2.00	0.00	0.00	0.02	0.00
20.98	2.00	0.00	0.00	0.02	0.00	21.00	2.00	0.00	0.00	0.02	0.00
21.02	2.00	0.00	0.00	0.02	0.00	21.04	2.00	0.00	0.00	0.02	0.00
21.06	2.00	0.00	0.00	0.02	0.00	21.08	2.00	0.00	0.00	0.02	0.00
21.10	2.00	0.00	0.00	0.02	0.00	21.12	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
21.14	2.00	0.00	0.00	0.02	0.00	21.16	2.00	0.00	0.00	0.02	0.00
21.18	2.00	0.00	0.00	0.02	0.00	21.20	2.00	0.00	0.00	0.02	0.00
21.22	2.00	0.00	0.00	0.02	0.00	21.24	2.00	0.00	0.00	0.02	0.00
21.26	2.00	0.00	0.00	0.02	0.00	21.28	2.00	0.00	0.00	0.02	0.00
21.30	2.00	0.00	0.00	0.02	0.00	21.32	2.00	0.00	0.00	0.02	0.00
21.34	2.00	0.00	0.00	0.02	0.00	21.36	2.00	0.00	0.00	0.02	0.00
21.38	2.00	0.00	0.00	0.02	0.00	21.40	2.00	0.00	0.00	0.02	0.00
21.42	2.00	0.00	0.00	0.02	0.00	21.44	2.00	0.00	0.00	0.02	0.00
21.46	2.00	0.00	0.00	0.02	0.00	21.48	2.00	0.00	0.00	0.02	0.00
21.50	2.00	0.00	0.00	0.02	0.00	21.52	2.00	0.00	0.00	0.02	0.00
21.54	2.00	0.00	0.00	0.02	0.00	21.56	2.00	0.00	0.00	0.02	0.00
21.58	2.00	0.00	0.00	0.02	0.00	21.60	2.00	0.00	0.00	0.02	0.00
21.62	2.00	0.00	0.00	0.02	0.00	21.64	2.00	0.00	0.00	0.02	0.00
21.66	2.00	0.00	0.00	0.02	0.00	21.68	2.00	0.00	0.00	0.02	0.00
21.70	2.00	0.00	0.00	0.02	0.00	21.72	2.00	0.00	0.00	0.02	0.00
21.74	2.00	0.00	0.00	0.02	0.00	21.76	2.00	0.00	0.00	0.02	0.00
21.78	2.00	0.00	0.00	0.02	0.00	21.80	2.00	0.00	0.00	0.02	0.00
21.82	2.00	0.00	0.00	0.02	0.00	21.84	2.00	0.00	0.00	0.02	0.00
21.86	2.00	0.00	0.00	0.02	0.00	21.88	2.00	0.00	0.00	0.02	0.00
21.90	2.00	0.00	0.00	0.02	0.00	21.92	2.00	0.00	0.00	0.02	0.00
21.94	2.00	0.00	0.00	0.02	0.00	21.96	2.00	0.00	0.00	0.02	0.00
21.98	2.00	0.00	0.00	0.02	0.00	22.00	2.00	0.00	0.00	0.02	0.00
22.02	2.00	0.00	0.00	0.02	0.00	22.04	2.00	0.00	0.00	0.02	0.00
22.06	2.00	0.00	0.00	0.02	0.00	22.08	2.00	0.00	0.00	0.02	0.00
22.10	2.00	0.00	0.00	0.02	0.00	22.12	2.00	0.00	0.00	0.02	0.00
22.14	2.00	0.00	0.00	0.02	0.00	22.16	2.00	0.00	0.00	0.02	0.00
22.18	2.00	0.00	0.00	0.02	0.00	22.20	2.00	0.00	0.00	0.02	0.00
22.22	2.00	0.00	0.00	0.02	0.00	22.24	2.00	0.00	0.00	0.02	0.00
22.26	2.00	0.00	0.00	0.02	0.00	22.28	2.00	0.00	0.00	0.02	0.00
22.30	2.00	0.00	0.00	0.02	0.00	22.32	2.00	0.00	0.00	0.02	0.00
22.34	2.00	0.00	0.00	0.02	0.00	22.36	2.00	0.00	0.00	0.02	0.00
22.38	2.00	0.00	0.00	0.02	0.00	22.40	2.00	0.00	0.00	0.02	0.00
22.42	2.00	0.00	0.00	0.02	0.00	22.44	2.00	0.00	0.00	0.02	0.00
22.46	2.00	0.00	0.00	0.02	0.00	22.48	2.00	0.00	0.00	0.02	0.00
22.50	2.00	0.00	0.00	0.02	0.00	22.52	2.00	0.00	0.00	0.02	0.00
22.54	2.00	0.00	0.00	0.02	0.00	22.56	2.00	0.00	0.00	0.02	0.00
22.58	2.00	0.00	0.00	0.02	0.00	22.60	2.00	0.00	0.00	0.02	0.00
22.62	2.00	0.00	0.00	0.02	0.00	22.64	2.00	0.00	0.00	0.02	0.00
22.66	2.00	0.00	0.00	0.02	0.00	22.68	2.00	0.00	0.00	0.02	0.00
22.70	2.00	0.00	0.00	0.02	0.00	22.72	2.00	0.00	0.00	0.02	0.00
22.74	2.00	0.00	0.00	0.02	0.00	22.76	2.00	0.00	0.00	0.02	0.00
22.78	2.00	0.00	0.00	0.02	0.00	22.80	2.00	0.00	0.00	0.02	0.00
22.82	2.00	0.00	0.00	0.02	0.00	22.84	2.00	0.00	0.00	0.02	0.00
22.86	2.00	0.00	0.00	0.02	0.00	22.88	2.00	0.00	0.00	0.02	0.00
22.90	2.00	0.00	0.00	0.02	0.00	22.92	2.00	0.00	0.00	0.02	0.00
22.94	2.00	0.00	0.00	0.02	0.00	22.96	2.00	0.00	0.00	0.02	0.00
22.98	2.00	0.00	0.00	0.02	0.00	23.00	2.00	0.00	0.00	0.02	0.00
23.02	2.00	0.00	0.00	0.02	0.00	23.04	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
23.06	2.00	0.00	0.00	0.02	0.00	23.08	2.00	0.00	0.00	0.02	0.00
23.10	2.00	0.00	0.00	0.02	0.00	23.12	2.00	0.00	0.00	0.02	0.00
23.14	2.00	0.00	0.00	0.02	0.00	23.16	2.00	0.00	0.00	0.02	0.00
23.18	2.00	0.00	0.00	0.02	0.00	23.20	2.00	0.00	0.00	0.02	0.00
23.22	2.00	0.00	0.00	0.02	0.00	23.24	2.00	0.00	0.00	0.02	0.00
23.26	2.00	0.00	0.00	0.02	0.00	23.28	2.00	0.00	0.00	0.02	0.00
23.30	2.00	0.00	0.00	0.02	0.00	23.32	2.00	0.00	0.00	0.02	0.00
23.34	2.00	0.00	0.00	0.02	0.00	23.36	2.00	0.00	0.00	0.02	0.00
23.38	2.00	0.00	0.00	0.02	0.00	23.40	2.00	0.00	0.00	0.02	0.00
23.42	2.00	0.00	0.00	0.02	0.00	23.44	2.00	0.00	0.00	0.02	0.00
23.46	2.00	0.00	0.00	0.02	0.00	23.48	2.00	0.00	0.00	0.02	0.00
23.50	2.00	0.00	0.00	0.02	0.00	23.52	2.00	0.00	0.00	0.02	0.00
23.54	2.00	0.00	0.00	0.02	0.00	23.56	2.00	0.00	0.00	0.02	0.00
23.58	2.00	0.00	0.00	0.02	0.00	23.60	2.00	0.00	0.00	0.02	0.00
23.62	2.00	0.00	0.00	0.02	0.00	23.64	2.00	0.00	0.00	0.02	0.00
23.66	2.00	0.00	0.00	0.02	0.00	23.68	2.00	0.00	0.00	0.02	0.00
23.70	2.00	0.00	0.00	0.02	0.00	23.72	2.00	0.00	0.00	0.02	0.00
23.74	2.00	0.00	0.00	0.02	0.00	23.76	2.00	0.00	0.00	0.02	0.00
23.78	2.00	0.00	0.00	0.02	0.00	23.80	2.00	0.00	0.00	0.02	0.00
23.82	2.00	0.00	0.00	0.02	0.00	23.84	2.00	0.00	0.00	0.02	0.00
23.86	2.00	0.00	0.00	0.02	0.00	23.88	2.00	0.00	0.00	0.02	0.00
23.90	2.00	0.00	0.00	0.02	0.00	23.92	2.00	0.00	0.00	0.02	0.00
23.94	2.00	0.00	0.00	0.02	0.00	23.96	2.00	0.00	0.00	0.02	0.00
23.98	2.00	0.00	0.00	0.02	0.00	24.00	2.00	0.00	0.00	0.02	0.00
24.02	2.00	0.00	0.00	0.02	0.00	24.04	2.00	0.00	0.00	0.02	0.00
24.06	2.00	0.00	0.00	0.02	0.00	24.08	2.00	0.00	0.00	0.02	0.00
24.10	2.00	0.00	0.00	0.02	0.00	24.12	2.00	0.00	0.00	0.02	0.00
24.14	2.00	0.00	0.00	0.02	0.00	24.16	2.00	0.00	0.00	0.02	0.00
24.18	2.00	0.00	0.00	0.02	0.00	24.20	2.00	0.00	0.00	0.02	0.00
24.22	2.00	0.00	0.00	0.02	0.00	24.24	2.00	0.00	0.00	0.02	0.00
24.26	2.00	0.00	0.00	0.02	0.00	24.28	2.00	0.00	0.00	0.02	0.00
24.30	2.00	0.00	0.00	0.02	0.00	24.32	2.00	0.00	0.00	0.02	0.00
24.34	2.00	0.00	0.00	0.02	0.00	24.36	2.00	0.00	0.00	0.02	0.00
24.38	2.00	0.00	0.00	0.02	0.00	24.40	2.00	0.00	0.00	0.02	0.00
24.42	2.00	0.00	0.00	0.02	0.00	24.44	2.00	0.00	0.00	0.02	0.00
24.46	2.00	0.00	0.00	0.02	0.00	24.48	2.00	0.00	0.00	0.02	0.00
24.50	2.00	0.00	0.00	0.02	0.00	24.52	2.00	0.00	0.00	0.02	0.00
24.54	2.00	0.00	0.00	0.02	0.00	24.56	2.00	0.00	0.00	0.02	0.00
24.58	2.00	0.00	0.00	0.02	0.00	24.60	2.00	0.00	0.00	0.02	0.00
24.62	2.00	0.00	0.00	0.02	0.00	24.64	2.00	0.00	0.00	0.02	0.00
24.66	2.00	0.00	0.00	0.02	0.00	24.68	2.00	0.00	0.00	0.02	0.00
24.70	2.00	0.00	0.00	0.02	0.00	24.72	2.00	0.00	0.00	0.02	0.00
24.74	2.00	0.00	0.00	0.02	0.00	24.76	2.00	0.00	0.00	0.02	0.00
24.78	2.00	0.00	0.00	0.02	0.00	24.80	2.00	0.00	0.00	0.02	0.00
24.82	2.00	0.00	0.00	0.02	0.00	24.84	2.00	0.00	0.00	0.02	0.00
24.86	2.00	0.00	0.00	0.02	0.00	24.88	2.00	0.00	0.00	0.02	0.00
24.90	2.00	0.00	0.00	0.02	0.00	24.92	2.00	0.00	0.00	0.02	0.00
24.94	2.00	0.00	0.00	0.02	0.00	24.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
24.98	2.00	0.00	0.00	0.02	0.00	25.00	2.00	0.00	0.00	0.02	0.00
25.02	2.00	0.00	0.00	0.02	0.00	25.04	2.00	0.00	0.00	0.02	0.00
25.06	2.00	0.00	0.00	0.02	0.00	25.08	2.00	0.00	0.00	0.02	0.00
25.10	2.00	0.00	0.00	0.02	0.00	25.12	2.00	0.00	0.00	0.02	0.00
25.14	2.00	0.00	0.00	0.02	0.00	25.16	2.00	0.00	0.00	0.02	0.00
25.18	2.00	0.00	0.00	0.02	0.00	25.20	2.00	0.00	0.00	0.02	0.00
25.22	2.00	0.00	0.00	0.02	0.00	25.24	2.00	0.00	0.00	0.02	0.00
25.26	2.00	0.00	0.00	0.02	0.00	25.28	2.00	0.00	0.00	0.02	0.00
25.30	2.00	0.00	0.00	0.02	0.00	25.32	2.00	0.00	0.00	0.02	0.00
25.34	2.00	0.00	0.00	0.02	0.00	25.36	2.00	0.00	0.00	0.02	0.00
25.38	2.00	0.00	0.00	0.02	0.00	25.40	2.00	0.00	0.00	0.02	0.00
25.42	2.00	0.00	0.00	0.02	0.00	25.44	2.00	0.00	0.00	0.02	0.00
25.46	2.00	0.00	0.00	0.02	0.00	25.48	2.00	0.00	0.00	0.02	0.00
25.50	2.00	0.00	0.00	0.02	0.00	25.52	2.00	0.00	0.00	0.02	0.00
25.54	2.00	0.00	0.00	0.02	0.00	25.56	2.00	0.00	0.00	0.02	0.00
25.58	2.00	0.00	0.00	0.02	0.00	25.60	2.00	0.00	0.00	0.02	0.00
25.62	2.00	0.00	0.00	0.02	0.00	25.64	2.00	0.00	0.00	0.02	0.00
25.66	2.00	0.00	0.00	0.02	0.00	25.68	2.00	0.00	0.00	0.02	0.00
25.70	2.00	0.00	0.00	0.02	0.00	25.72	2.00	0.00	0.00	0.02	0.00
25.74	2.00	0.00	0.00	0.02	0.00	25.76	2.00	0.00	0.00	0.02	0.00
25.78	2.00	0.00	0.00	0.02	0.00	25.80	2.00	0.00	0.00	0.02	0.00
25.82	2.00	0.00	0.00	0.02	0.00	25.84	2.00	0.00	0.00	0.02	0.00
25.86	2.00	0.00	0.00	0.02	0.00	25.88	2.00	0.00	0.00	0.02	0.00
25.90	2.00	0.00	0.00	0.02	0.00	25.92	2.00	0.00	0.00	0.02	0.00
25.94	2.00	0.00	0.00	0.02	0.00	25.96	2.00	0.00	0.00	0.02	0.00
25.98	2.00	0.00	0.00	0.02	0.00	26.00	2.00	0.00	0.00	0.02	0.00
26.02	2.00	0.00	0.00	0.02	0.00	26.04	2.00	0.00	0.00	0.02	0.00
26.06	2.00	0.00	0.00	0.02	0.00	26.08	2.00	0.00	0.00	0.02	0.00
26.10	2.00	0.00	0.00	0.02	0.00	26.12	2.00	0.00	0.00	0.02	0.00
26.14	2.00	0.00	0.00	0.02	0.00	26.16	2.00	0.00	0.00	0.02	0.00
26.18	2.00	0.00	0.00	0.02	0.00	26.20	2.00	0.00	0.00	0.02	0.00
26.22	2.00	0.00	0.00	0.02	0.00	26.24	2.00	0.00	0.00	0.02	0.00
26.26	2.00	0.00	0.00	0.02	0.00	26.28	2.00	0.00	0.00	0.02	0.00
26.30	2.00	0.00	0.00	0.02	0.00	26.32	2.00	0.00	0.00	0.02	0.00
26.34	2.00	0.00	0.00	0.02	0.00	26.36	2.00	0.00	0.00	0.02	0.00
26.38	2.00	0.00	0.00	0.02	0.00	26.40	2.00	0.00	0.00	0.02	0.00
26.42	2.00	0.00	0.00	0.02	0.00	26.44	2.00	0.00	0.00	0.02	0.00
26.46	2.00	0.00	0.00	0.02	0.00	26.48	2.00	0.00	0.00	0.02	0.00
26.50	2.00	0.00	0.00	0.02	0.00	26.52	2.00	0.00	0.00	0.02	0.00
26.54	2.00	0.00	0.00	0.02	0.00	26.56	2.00	0.00	0.00	0.02	0.00
26.58	2.00	0.00	0.00	0.02	0.00	26.60	2.00	0.00	0.00	0.02	0.00
26.62	2.00	0.00	0.00	0.02	0.00	26.64	2.00	0.00	0.00	0.02	0.00
26.66	2.00	0.00	0.00	0.02	0.00	26.68	2.00	0.00	0.00	0.02	0.00
26.70	2.00	0.00	0.00	0.02	0.00	26.72	2.00	0.00	0.00	0.02	0.00
26.74	2.00	0.00	0.00	0.02	0.00	26.76	2.00	0.00	0.00	0.02	0.00
26.78	2.00	0.00	0.00	0.02	0.00	26.80	2.00	0.00	0.00	0.02	0.00
26.82	2.00	0.00	0.00	0.02	0.00	26.84	2.00	0.00	0.00	0.02	0.00
26.86	2.00	0.00	0.00	0.02	0.00	26.88	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
26.90	2.00	0.00	0.00	0.02	0.00	26.92	2.00	0.00	0.00	0.02	0.00
26.94	2.00	0.00	0.00	0.02	0.00	26.96	2.00	0.00	0.00	0.02	0.00
26.98	2.00	0.00	0.00	0.02	0.00	27.00	2.00	0.00	0.00	0.02	0.00
27.02	2.00	0.00	0.00	0.02	0.00	27.04	2.00	0.00	0.00	0.02	0.00
27.06	2.00	0.00	0.00	0.02	0.00	27.08	2.00	0.00	0.00	0.02	0.00
27.10	2.00	0.00	0.00	0.02	0.00	27.12	2.00	0.00	0.00	0.02	0.00
27.14	2.00	0.00	0.00	0.02	0.00	27.16	2.00	0.00	0.00	0.02	0.00
27.18	2.00	0.00	0.00	0.02	0.00	27.20	2.00	0.00	0.00	0.02	0.00
27.22	2.00	0.00	0.00	0.02	0.00	27.24	2.00	0.00	0.00	0.02	0.00
27.26	2.00	0.00	0.00	0.02	0.00	27.28	2.00	0.00	0.00	0.02	0.00
27.30	2.00	0.00	0.00	0.02	0.00	27.32	2.00	0.00	0.00	0.02	0.00
27.34	2.00	0.00	0.00	0.02	0.00	27.36	2.00	0.00	0.00	0.02	0.00
27.38	2.00	0.00	0.00	0.02	0.00	27.40	2.00	0.00	0.00	0.02	0.00
27.42	2.00	0.00	0.00	0.02	0.00	27.44	2.00	0.00	0.00	0.02	0.00
27.46	2.00	0.00	0.00	0.02	0.00	27.48	2.00	0.00	0.00	0.02	0.00
27.50	2.00	0.00	0.00	0.02	0.00	27.52	2.00	0.00	0.00	0.02	0.00
27.54	2.00	0.00	0.00	0.02	0.00	27.56	2.00	0.00	0.00	0.02	0.00
27.58	2.00	0.00	0.00	0.02	0.00	27.60	2.00	0.00	0.00	0.02	0.00
27.62	2.00	0.00	0.00	0.02	0.00	27.64	2.00	0.00	0.00	0.02	0.00
27.66	2.00	0.00	0.00	0.02	0.00	27.68	2.00	0.00	0.00	0.02	0.00
27.70	2.00	0.00	0.00	0.02	0.00	27.72	2.00	0.00	0.00	0.02	0.00
27.74	2.00	0.00	0.00	0.02	0.00	27.76	2.00	0.00	0.00	0.02	0.00
27.78	2.00	0.00	0.00	0.02	0.00	27.80	2.00	0.00	0.00	0.02	0.00
27.82	2.00	0.00	0.00	0.02	0.00	27.84	2.00	0.00	0.00	0.02	0.00
27.86	2.00	0.00	0.00	0.02	0.00	27.88	2.00	0.00	0.00	0.02	0.00
27.90	2.00	0.00	0.00	0.02	0.00	27.92	2.00	0.00	0.00	0.02	0.00
27.94	2.00	0.00	0.00	0.02	0.00	27.96	2.00	0.00	0.00	0.02	0.00
27.98	2.00	0.00	0.00	0.02	0.00	28.00	2.00	0.00	0.00	0.02	0.00
28.02	2.00	0.00	0.00	0.02	0.00	28.04	2.00	0.00	0.00	0.02	0.00
28.06	2.00	0.00	0.00	0.02	0.00	28.08	2.00	0.00	0.00	0.02	0.00
28.10	2.00	0.00	0.00	0.02	0.00	28.12	2.00	0.00	0.00	0.02	0.00
28.14	2.00	0.00	0.00	0.02	0.00	28.16	2.00	0.00	0.00	0.02	0.00
28.18	2.00	0.00	0.00	0.02	0.00	28.20	2.00	0.00	0.00	0.02	0.00
28.22	2.00	0.00	0.00	0.02	0.00	28.24	2.00	0.00	0.00	0.02	0.00
28.26	2.00	0.00	0.00	0.02	0.00	28.28	2.00	0.00	0.00	0.02	0.00
28.30	2.00	0.00	0.00	0.02	0.00	28.32	2.00	0.00	0.00	0.02	0.00
28.34	2.00	0.00	0.00	0.02	0.00	28.36	2.00	0.00	0.00	0.02	0.00
28.38	2.00	0.00	0.00	0.02	0.00	28.40	2.00	0.00	0.00	0.02	0.00
28.42	2.00	0.00	0.00	0.02	0.00	28.44	2.00	0.00	0.00	0.02	0.00
28.46	2.00	0.00	0.00	0.02	0.00	28.48	2.00	0.00	0.00	0.02	0.00
28.50	2.00	0.00	0.00	0.02	0.00	28.52	2.00	0.00	0.00	0.02	0.00
28.54	2.00	0.00	0.00	0.02	0.00	28.56	2.00	0.00	0.00	0.02	0.00
28.58	2.00	0.00	0.00	0.02	0.00	28.60	2.00	0.00	0.00	0.02	0.00
28.62	2.00	0.00	0.00	0.02	0.00	28.64	2.00	0.00	0.00	0.02	0.00
28.66	2.00	0.00	0.00	0.02	0.00	28.68	2.00	0.00	0.00	0.02	0.00
28.70	2.00	0.00	0.00	0.02	0.00	28.72	2.00	0.00	0.00	0.02	0.00
28.74	2.00	0.00	0.00	0.02	0.00	28.76	2.00	0.00	0.00	0.02	0.00
28.78	2.00	0.00	0.00	0.02	0.00	28.80	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
28.82	2.00	0.00	0.00	0.02	0.00	28.84	2.00	0.00	0.00	0.02	0.00
28.86	2.00	0.00	0.00	0.02	0.00	28.88	2.00	0.00	0.00	0.02	0.00
28.90	2.00	0.00	0.00	0.02	0.00	28.92	2.00	0.00	0.00	0.02	0.00
28.94	2.00	0.00	0.00	0.02	0.00	28.96	2.00	0.00	0.00	0.02	0.00
28.98	2.00	0.00	0.00	0.02	0.00	29.00	2.00	0.00	0.00	0.02	0.00
29.02	2.00	0.00	0.00	0.02	0.00	29.04	2.00	0.00	0.00	0.02	0.00
29.06	2.00	0.00	0.00	0.02	0.00	29.08	2.00	0.00	0.00	0.02	0.00
29.10	2.00	0.00	0.00	0.02	0.00	29.12	2.00	0.00	0.00	0.02	0.00
29.14	2.00	0.00	0.00	0.02	0.00	29.16	2.00	0.00	0.00	0.02	0.00
29.18	2.00	0.00	0.00	0.02	0.00	29.20	2.00	0.00	0.00	0.02	0.00
29.22	2.00	0.00	0.00	0.02	0.00	29.24	2.00	0.00	0.00	0.02	0.00
29.26	2.00	0.00	0.00	0.02	0.00	29.28	2.00	0.00	0.00	0.02	0.00
29.30	2.00	0.00	0.00	0.02	0.00	29.32	2.00	0.00	0.00	0.02	0.00
29.34	2.00	0.00	0.00	0.02	0.00	29.36	2.00	0.00	0.00	0.02	0.00
29.38	2.00	0.00	0.00	0.02	0.00	29.40	2.00	0.00	0.00	0.02	0.00
29.42	2.00	0.00	0.00	0.02	0.00	29.44	2.00	0.00	0.00	0.02	0.00
29.46	2.00	0.00	0.00	0.02	0.00	29.48	2.00	0.00	0.00	0.02	0.00
29.50	2.00	0.00	0.00	0.02	0.00	29.52	2.00	0.00	0.00	0.02	0.00
29.54	2.00	0.00	0.00	0.02	0.00	29.56	2.00	0.00	0.00	0.02	0.00
29.58	2.00	0.00	0.00	0.02	0.00	29.60	2.00	0.00	0.00	0.02	0.00
29.62	2.00	0.00	0.00	0.02	0.00	29.64	2.00	0.00	0.00	0.02	0.00
29.66	2.00	0.00	0.00	0.02	0.00	29.68	2.00	0.00	0.00	0.02	0.00
29.70	2.00	0.00	0.00	0.02	0.00	29.72	2.00	0.00	0.00	0.02	0.00
29.74	2.00	0.00	0.00	0.02	0.00	29.76	2.00	0.00	0.00	0.02	0.00
29.78	2.00	0.00	0.00	0.02	0.00	29.80	2.00	0.00	0.00	0.02	0.00
29.82	2.00	0.00	0.00	0.02	0.00	29.84	2.00	0.00	0.00	0.02	0.00
29.86	2.00	0.00	0.00	0.02	0.00	29.88	2.00	0.00	0.00	0.02	0.00
29.90	2.00	0.00	0.00	0.02	0.00	29.92	2.00	0.00	0.00	0.02	0.00
29.94	2.00	0.00	0.00	0.02	0.00	29.96	2.00	0.00	0.00	0.02	0.00
29.98	2.00	0.00	0.00	0.02	0.00	30.00	2.00	0.00	0.00	0.02	0.00
30.02	2.00	0.00	0.00	0.02	0.00	30.04	2.00	0.00	0.00	0.02	0.00
30.06	2.00	0.00	0.00	0.02	0.00	30.08	2.00	0.00	0.00	0.02	0.00
30.10	2.00	0.00	0.00	0.02	0.00	30.12	2.00	0.00	0.00	0.02	0.00
30.14	2.00	0.00	0.00	0.02	0.00	30.16	2.00	0.00	0.00	0.02	0.00
30.18	2.00	0.00	0.00	0.02	0.00	30.20	2.00	0.00	0.00	0.02	0.00
30.22	2.00	0.00	0.00	0.02	0.00	30.24	2.00	0.00	0.00	0.02	0.00
30.26	2.00	0.00	0.00	0.02	0.00	30.28	2.00	0.00	0.00	0.02	0.00
30.30	2.00	0.00	0.00	0.02	0.00	30.32	2.00	0.00	0.00	0.02	0.00
30.34	2.00	0.00	0.00	0.02	0.00	30.36	2.00	0.00	0.00	0.02	0.00
30.38	2.00	0.00	0.00	0.02	0.00	30.40	2.00	0.00	0.00	0.02	0.00
30.42	2.00	0.00	0.00	0.02	0.00	30.44	2.00	0.00	0.00	0.02	0.00
30.46	2.00	0.00	0.00	0.02	0.00	30.48	2.00	0.00	0.00	0.02	0.00
30.50	2.00	0.00	0.00	0.02	0.00	30.52	2.00	0.00	0.00	0.02	0.00
30.54	2.00	0.00	0.00	0.02	0.00	30.56	2.00	0.00	0.00	0.02	0.00
30.58	2.00	0.00	0.00	0.02	0.00	30.60	2.00	0.00	0.00	0.02	0.00
30.62	2.00	0.00	0.00	0.02	0.00	30.64	2.00	0.00	0.00	0.02	0.00
30.66	2.00	0.00	0.00	0.02	0.00	30.68	2.00	0.00	0.00	0.02	0.00
30.70	2.00	0.00	0.00	0.02	0.00						

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}

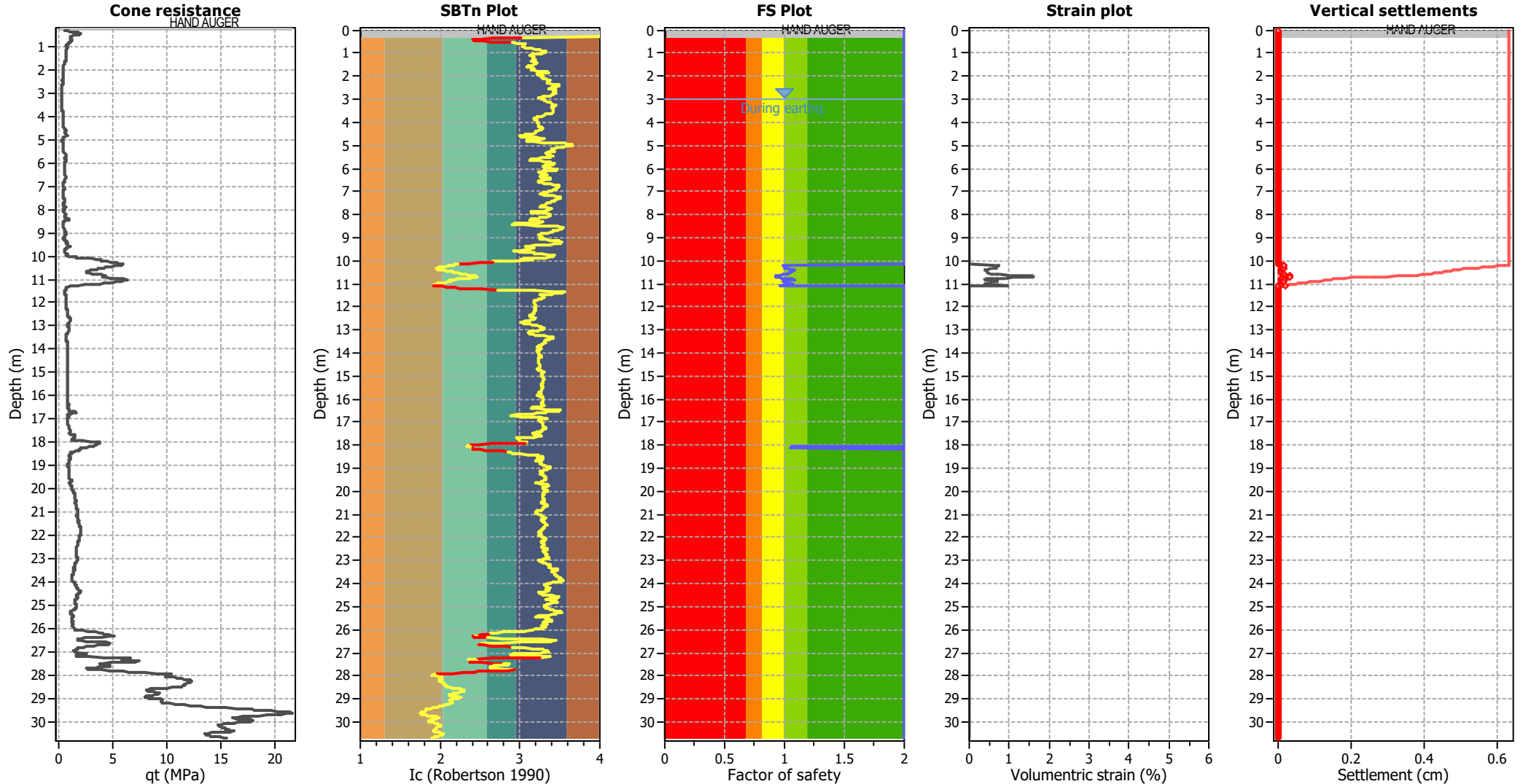
Overall liquefaction potential: 0.05

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

- FS: Calculated factor of safety for test point
- d_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

:: Post-earthquake settlement due to soil liquefaction ::											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
3.00	3.76	2.00	0.00	0.83	0.00	3.02	3.76	2.00	0.00	0.83	0.00
3.04	3.75	2.00	0.00	0.83	0.00	3.06	3.90	2.00	0.00	0.83	0.00
3.08	3.89	2.00	0.00	0.83	0.00	3.10	3.89	2.00	0.00	0.83	0.00
3.12	3.88	2.00	0.00	0.83	0.00	3.14	3.73	2.00	0.00	0.83	0.00
3.16	3.73	2.00	0.00	0.82	0.00	3.18	3.72	2.00	0.00	0.82	0.00
3.20	3.72	2.00	0.00	0.82	0.00	3.22	3.71	2.00	0.00	0.82	0.00
3.24	3.41	2.00	0.00	0.82	0.00	3.26	3.41	2.00	0.00	0.82	0.00
3.28	3.41	2.00	0.00	0.82	0.00	3.30	3.40	2.00	0.00	0.82	0.00
3.32	3.40	2.00	0.00	0.82	0.00	3.34	3.39	2.00	0.00	0.81	0.00
3.36	3.68	2.00	0.00	0.81	0.00	3.38	3.39	2.00	0.00	0.81	0.00
3.40	3.38	2.00	0.00	0.81	0.00	3.42	3.38	2.00	0.00	0.81	0.00
3.44	3.38	2.00	0.00	0.81	0.00	3.46	3.37	2.00	0.00	0.81	0.00
3.48	3.37	2.00	0.00	0.81	0.00	3.50	3.37	2.00	0.00	0.81	0.00
3.52	3.36	2.00	0.00	0.80	0.00	3.54	3.36	2.00	0.00	0.80	0.00
3.56	3.35	2.00	0.00	0.80	0.00	3.58	3.35	2.00	0.00	0.80	0.00
3.60	3.35	2.00	0.00	0.80	0.00	3.62	3.63	2.00	0.00	0.80	0.00
3.64	3.77	2.00	0.00	0.80	0.00	3.66	3.77	2.00	0.00	0.80	0.00
3.68	3.91	2.00	0.00	0.80	0.00	3.70	3.90	2.00	0.00	0.79	0.00
3.72	4.04	2.00	0.00	0.79	0.00	3.74	4.04	2.00	0.00	0.79	0.00
3.76	4.46	2.00	0.00	0.79	0.00	3.78	4.45	2.00	0.00	0.79	0.00
3.80	4.45	2.00	0.00	0.79	0.00	3.82	4.59	2.00	0.00	0.79	0.00
3.84	4.72	2.00	0.00	0.79	0.00	3.86	4.58	2.00	0.00	0.79	0.00
3.88	4.57	2.00	0.00	0.78	0.00	3.90	4.71	2.00	0.00	0.78	0.00
3.92	4.70	2.00	0.00	0.78	0.00	3.94	4.84	2.00	0.00	0.78	0.00
3.96	4.97	2.00	0.00	0.78	0.00	3.98	5.25	2.00	0.00	0.78	0.00
4.00	5.24	2.00	0.00	0.78	0.00	4.02	5.23	2.00	0.00	0.78	0.00
4.04	5.23	2.00	0.00	0.78	0.00	4.06	5.22	2.00	0.00	0.77	0.00
4.08	5.35	2.00	0.00	0.77	0.00	4.10	5.35	2.00	0.00	0.77	0.00
4.12	5.48	2.00	0.00	0.77	0.00	4.14	5.47	2.00	0.00	0.77	0.00
4.16	5.33	2.00	0.00	0.77	0.00	4.18	5.18	2.00	0.00	0.77	0.00
4.20	5.18	2.00	0.00	0.77	0.00	4.22	4.89	2.00	0.00	0.77	0.00
4.24	4.89	2.00	0.00	0.76	0.00	4.26	4.74	2.00	0.00	0.76	0.00
4.28	4.74	2.00	0.00	0.76	0.00	4.30	4.87	2.00	0.00	0.76	0.00
4.32	4.86	2.00	0.00	0.76	0.00	4.34	4.86	2.00	0.00	0.76	0.00
4.36	5.26	2.00	0.00	0.76	0.00	4.38	5.39	2.00	0.00	0.76	0.00
4.40	5.25	2.00	0.00	0.76	0.00	4.42	5.25	2.00	0.00	0.75	0.00
4.44	5.24	2.00	0.00	0.75	0.00	4.46	5.37	2.00	0.00	0.75	0.00
4.48	5.63	2.00	0.00	0.75	0.00	4.50	6.17	2.00	0.00	0.75	0.00
4.52	6.70	2.00	0.00	0.75	0.00	4.54	6.96	2.00	0.00	0.75	0.00
4.56	7.49	2.00	0.00	0.75	0.00	4.58	7.88	2.00	0.00	0.75	0.00
4.60	9.07	2.00	0.00	0.74	0.00	4.62	9.19	2.00	0.00	0.74	0.00
4.64	8.38	2.00	0.00	0.74	0.00	4.66	7.57	2.00	0.00	0.74	0.00
4.68	7.03	2.00	0.00	0.74	0.00	4.70	6.62	2.00	0.00	0.74	0.00
4.72	6.75	2.00	0.00	0.74	0.00	4.74	7.00	2.00	0.00	0.74	0.00
4.76	8.97	2.00	0.00	0.74	0.00	4.78	9.09	2.00	0.00	0.73	0.00
4.80	9.60	2.00	0.00	0.73	0.00	4.82	9.72	2.00	0.00	0.73	0.00
4.84	8.40	2.00	0.00	0.73	0.00	4.86	7.86	2.00	0.00	0.73	0.00
4.88	6.93	2.00	0.00	0.73	0.00	4.90	5.74	2.00	0.00	0.73	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
4.92	5.34	2.00	0.00	0.73	0.00	4.94	5.07	2.00	0.00	0.73	0.00
4.96	4.53	2.00	0.00	0.72	0.00	4.98	4.13	2.00	0.00	0.72	0.00
5.00	3.99	2.00	0.00	0.72	0.00	5.02	3.99	2.00	0.00	0.72	0.00
5.04	3.85	2.00	0.00	0.72	0.00	5.06	3.85	2.00	0.00	0.72	0.00
5.08	3.97	2.00	0.00	0.72	0.00	5.10	3.97	2.00	0.00	0.72	0.00
5.12	4.23	2.00	0.00	0.72	0.00	5.14	4.22	2.00	0.00	0.71	0.00
5.16	4.22	2.00	0.00	0.71	0.00	5.18	4.34	2.00	0.00	0.71	0.00
5.20	4.21	2.00	0.00	0.71	0.00	5.22	4.20	2.00	0.00	0.71	0.00
5.24	4.20	2.00	0.00	0.71	0.00	5.26	4.19	2.00	0.00	0.71	0.00
5.28	4.32	2.00	0.00	0.71	0.00	5.30	4.83	2.00	0.00	0.71	0.00
5.32	4.96	2.00	0.00	0.70	0.00	5.34	4.95	2.00	0.00	0.70	0.00
5.36	4.95	2.00	0.00	0.70	0.00	5.38	4.68	2.00	0.00	0.70	0.00
5.40	4.68	2.00	0.00	0.70	0.00	5.42	4.67	2.00	0.00	0.70	0.00
5.44	4.54	2.00	0.00	0.70	0.00	5.46	4.53	2.00	0.00	0.70	0.00
5.48	4.53	2.00	0.00	0.70	0.00	5.50	4.65	2.00	0.00	0.69	0.00
5.52	4.90	2.00	0.00	0.69	0.00	5.54	5.66	2.00	0.00	0.69	0.00
5.56	5.78	2.00	0.00	0.69	0.00	5.58	6.16	2.00	0.00	0.69	0.00
5.60	6.91	2.00	0.00	0.69	0.00	5.62	7.28	2.00	0.00	0.69	0.00
5.64	7.52	2.00	0.00	0.69	0.00	5.66	7.51	2.00	0.00	0.69	0.00
5.68	7.50	2.00	0.00	0.68	0.00	5.70	7.12	2.00	0.00	0.68	0.00
5.72	6.98	2.00	0.00	0.68	0.00	5.74	7.60	2.00	0.00	0.68	0.00
5.76	7.09	2.00	0.00	0.68	0.00	5.78	6.83	2.00	0.00	0.68	0.00
5.80	6.45	2.00	0.00	0.68	0.00	5.82	6.69	2.00	0.00	0.68	0.00
5.84	6.93	2.00	0.00	0.68	0.00	5.86	7.29	2.00	0.00	0.67	0.00
5.88	7.28	2.00	0.00	0.67	0.00	5.90	7.40	2.00	0.00	0.67	0.00
5.92	7.39	2.00	0.00	0.67	0.00	5.94	7.26	2.00	0.00	0.67	0.00
5.96	7.00	2.00	0.00	0.67	0.00	5.98	6.74	2.00	0.00	0.67	0.00
6.00	6.24	2.00	0.00	0.67	0.00	6.02	5.99	2.00	0.00	0.67	0.00
6.04	5.86	2.00	0.00	0.66	0.00	6.06	5.48	2.00	0.00	0.66	0.00
6.08	5.47	2.00	0.00	0.66	0.00	6.10	5.84	2.00	0.00	0.66	0.00
6.12	6.20	2.00	0.00	0.66	0.00	6.14	6.68	2.00	0.00	0.66	0.00
6.16	6.67	2.00	0.00	0.66	0.00	6.18	6.54	2.00	0.00	0.66	0.00
6.20	6.17	2.00	0.00	0.66	0.00	6.22	5.92	2.00	0.00	0.65	0.00
6.24	5.79	2.00	0.00	0.65	0.00	6.26	5.66	2.00	0.00	0.65	0.00
6.28	5.65	2.00	0.00	0.65	0.00	6.30	5.77	2.00	0.00	0.65	0.00
6.32	6.37	2.00	0.00	0.65	0.00	6.34	6.49	2.00	0.00	0.65	0.00
6.36	6.36	2.00	0.00	0.65	0.00	6.38	6.11	2.00	0.00	0.65	0.00
6.40	5.86	2.00	0.00	0.64	0.00	6.42	5.61	2.00	0.00	0.64	0.00
6.44	5.36	2.00	0.00	0.64	0.00	6.46	5.60	2.00	0.00	0.64	0.00
6.48	5.71	2.00	0.00	0.64	0.00	6.50	5.83	2.00	0.00	0.64	0.00
6.52	6.06	2.00	0.00	0.64	0.00	6.54	6.41	2.00	0.00	0.64	0.00
6.56	6.65	2.00	0.00	0.64	0.00	6.58	6.64	2.00	0.00	0.63	0.00
6.60	6.87	2.00	0.00	0.63	0.00	6.62	7.10	2.00	0.00	0.63	0.00
6.64	6.86	2.00	0.00	0.63	0.00	6.66	6.61	2.00	0.00	0.63	0.00
6.68	6.36	2.00	0.00	0.63	0.00	6.70	6.24	2.00	0.00	0.63	0.00
6.72	5.75	2.00	0.00	0.63	0.00	6.74	5.87	2.00	0.00	0.63	0.00
6.76	5.50	2.00	0.00	0.62	0.00	6.78	5.50	2.00	0.00	0.62	0.00
6.80	5.25	2.00	0.00	0.62	0.00	6.82	4.89	2.00	0.00	0.62	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
6.84	4.53	2.00	0.00	0.62	0.00	6.86	4.41	2.00	0.00	0.62	0.00
6.88	4.40	2.00	0.00	0.62	0.00	6.90	4.28	2.00	0.00	0.62	0.00
6.92	4.28	2.00	0.00	0.62	0.00	6.94	4.39	2.00	0.00	0.61	0.00
6.96	4.39	2.00	0.00	0.61	0.00	6.98	4.38	2.00	0.00	0.61	0.00
7.00	4.50	2.00	0.00	0.61	0.00	7.02	4.49	2.00	0.00	0.61	0.00
7.04	4.72	2.00	0.00	0.61	0.00	7.06	4.84	2.00	0.00	0.61	0.00
7.08	5.18	2.00	0.00	0.61	0.00	7.10	5.41	2.00	0.00	0.61	0.00
7.12	5.17	2.00	0.00	0.60	0.00	7.14	4.82	2.00	0.00	0.60	0.00
7.16	4.70	2.00	0.00	0.60	0.00	7.18	4.46	2.00	0.00	0.60	0.00
7.20	4.22	2.00	0.00	0.60	0.00	7.22	4.10	2.00	0.00	0.60	0.00
7.24	4.10	2.00	0.00	0.60	0.00	7.26	4.09	2.00	0.00	0.60	0.00
7.28	4.09	2.00	0.00	0.60	0.00	7.30	3.97	2.00	0.00	0.59	0.00
7.32	3.97	2.00	0.00	0.59	0.00	7.34	3.96	2.00	0.00	0.59	0.00
7.36	4.07	2.00	0.00	0.59	0.00	7.38	4.07	2.00	0.00	0.59	0.00
7.40	4.07	2.00	0.00	0.59	0.00	7.42	4.06	2.00	0.00	0.59	0.00
7.44	4.18	2.00	0.00	0.59	0.00	7.46	4.29	2.00	0.00	0.59	0.00
7.48	4.40	2.00	0.00	0.58	0.00	7.50	4.62	2.00	0.00	0.58	0.00
7.52	4.62	2.00	0.00	0.58	0.00	7.54	4.85	2.00	0.00	0.58	0.00
7.56	4.84	2.00	0.00	0.58	0.00	7.58	4.95	2.00	0.00	0.58	0.00
7.60	5.06	2.00	0.00	0.58	0.00	7.62	5.06	2.00	0.00	0.58	0.00
7.64	5.28	2.00	0.00	0.58	0.00	7.66	5.39	2.00	0.00	0.57	0.00
7.68	5.50	2.00	0.00	0.57	0.00	7.70	4.70	2.00	0.00	0.57	0.00
7.72	4.24	2.00	0.00	0.57	0.00	7.74	4.35	2.00	0.00	0.57	0.00
7.76	4.34	2.00	0.00	0.57	0.00	7.78	4.45	2.00	0.00	0.57	0.00
7.80	4.68	2.00	0.00	0.57	0.00	7.82	4.67	2.00	0.00	0.57	0.00
7.84	4.67	2.00	0.00	0.56	0.00	7.86	5.34	2.00	0.00	0.56	0.00
7.88	6.36	2.00	0.00	0.56	0.00	7.90	6.80	2.00	0.00	0.56	0.00
7.92	5.56	2.00	0.00	0.56	0.00	7.94	4.65	2.00	0.00	0.56	0.00
7.96	4.64	2.00	0.00	0.56	0.00	7.98	4.75	2.00	0.00	0.56	0.00
8.00	4.64	2.00	0.00	0.56	0.00	8.02	4.75	2.00	0.00	0.55	0.00
8.04	4.85	2.00	0.00	0.55	0.00	8.06	4.40	2.00	0.00	0.55	0.00
8.08	4.40	2.00	0.00	0.55	0.00	8.10	4.62	2.00	0.00	0.55	0.00
8.12	4.84	2.00	0.00	0.55	0.00	8.14	5.17	2.00	0.00	0.55	0.00
8.16	5.39	2.00	0.00	0.55	0.00	8.18	5.49	2.00	0.00	0.55	0.00
8.20	6.60	2.00	0.00	0.54	0.00	8.22	6.49	2.00	0.00	0.54	0.00
8.24	6.26	2.00	0.00	0.54	0.00	8.26	5.92	2.00	0.00	0.54	0.00
8.28	5.25	2.00	0.00	0.54	0.00	8.30	5.13	2.00	0.00	0.54	0.00
8.32	4.91	2.00	0.00	0.54	0.00	8.34	5.12	2.00	0.00	0.54	0.00
8.36	6.45	2.00	0.00	0.54	0.00	8.38	8.10	2.00	0.00	0.53	0.00
8.40	9.30	2.00	0.00	0.53	0.00	8.42	10.39	2.00	0.00	0.53	0.00
8.44	9.29	2.00	0.00	0.53	0.00	8.46	7.41	2.00	0.00	0.53	0.00
8.48	5.53	2.00	0.00	0.53	0.00	8.50	4.76	2.00	0.00	0.53	0.00
8.52	4.31	2.00	0.00	0.53	0.00	8.54	3.98	2.00	0.00	0.53	0.00
8.56	3.98	2.00	0.00	0.52	0.00	8.58	3.97	2.00	0.00	0.52	0.00
8.60	3.97	2.00	0.00	0.52	0.00	8.62	3.86	2.00	0.00	0.52	0.00
8.64	3.74	2.00	0.00	0.52	0.00	8.66	3.74	2.00	0.00	0.52	0.00
8.68	3.96	2.00	0.00	0.52	0.00	8.70	3.95	2.00	0.00	0.52	0.00
8.72	3.95	2.00	0.00	0.52	0.00	8.74	3.95	2.00	0.00	0.51	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
8.76	3.95	2.00	0.00	0.51	0.00	8.78	4.05	2.00	0.00	0.51	0.00
8.80	4.27	2.00	0.00	0.51	0.00	8.82	4.70	2.00	0.00	0.51	0.00
8.84	5.13	2.00	0.00	0.51	0.00	8.86	5.23	2.00	0.00	0.51	0.00
8.88	5.45	2.00	0.00	0.51	0.00	8.90	5.55	2.00	0.00	0.51	0.00
8.92	5.76	2.00	0.00	0.50	0.00	8.94	5.76	2.00	0.00	0.50	0.00
8.96	5.75	2.00	0.00	0.50	0.00	8.98	5.86	2.00	0.00	0.50	0.00
9.00	6.07	2.00	0.00	0.50	0.00	9.02	6.39	2.00	0.00	0.50	0.00
9.04	6.38	2.00	0.00	0.50	0.00	9.06	6.05	2.00	0.00	0.50	0.00
9.08	5.83	2.00	0.00	0.50	0.00	9.10	5.50	2.00	0.00	0.49	0.00
9.12	5.18	2.00	0.00	0.49	0.00	9.14	5.06	2.00	0.00	0.49	0.00
9.16	4.74	2.00	0.00	0.49	0.00	9.18	4.63	2.00	0.00	0.49	0.00
9.20	4.52	2.00	0.00	0.49	0.00	9.22	4.40	2.00	0.00	0.49	0.00
9.24	4.40	2.00	0.00	0.49	0.00	9.26	4.40	2.00	0.00	0.49	0.00
9.28	4.50	2.00	0.00	0.48	0.00	9.30	4.71	2.00	0.00	0.48	0.00
9.32	5.03	2.00	0.00	0.48	0.00	9.34	5.77	2.00	0.00	0.48	0.00
9.36	6.83	2.00	0.00	0.48	0.00	9.38	7.88	2.00	0.00	0.48	0.00
9.40	8.19	2.00	0.00	0.48	0.00	9.42	7.02	2.00	0.00	0.48	0.00
9.44	6.49	2.00	0.00	0.48	0.00	9.46	6.90	2.00	0.00	0.47	0.00
9.48	7.43	2.00	0.00	0.47	0.00	9.50	8.05	2.00	0.00	0.47	0.00
9.52	7.63	2.00	0.00	0.47	0.00	9.54	7.41	2.00	0.00	0.47	0.00
9.56	9.51	2.00	0.00	0.47	0.00	9.58	11.29	2.00	0.00	0.47	0.00
9.60	10.12	2.00	0.00	0.47	0.00	9.62	8.33	2.00	0.00	0.47	0.00
9.64	6.85	2.00	0.00	0.46	0.00	9.66	6.74	2.00	0.00	0.46	0.00
9.68	7.15	2.00	0.00	0.46	0.00	9.70	7.15	2.00	0.00	0.46	0.00
9.72	6.41	2.00	0.00	0.46	0.00	9.74	5.04	2.00	0.00	0.46	0.00
9.76	5.04	2.00	0.00	0.46	0.00	9.78	5.03	2.00	0.00	0.46	0.00
9.80	5.03	2.00	0.00	0.46	0.00	9.82	4.82	2.00	0.00	0.45	0.00
9.84	5.02	2.00	0.00	0.45	0.00	9.86	5.02	2.00	0.00	0.45	0.00
9.88	5.85	2.00	0.00	0.45	0.00	9.90	7.40	2.00	0.00	0.45	0.00
9.92	8.75	2.00	0.00	0.45	0.00	9.94	7.60	2.00	0.00	0.45	0.00
9.96	6.25	2.00	0.00	0.45	0.00	9.98	6.14	2.00	0.00	0.45	0.00
10.00	8.52	2.00	0.00	0.44	0.00	10.02	14.50	2.00	0.00	0.44	0.00
10.04	17.07	2.00	0.00	0.44	0.00	10.06	15.31	2.00	0.00	0.44	0.00
10.08	14.57	2.00	0.00	0.44	0.00	10.10	75.29	2.00	0.00	0.44	0.00
10.12	85.99	2.00	0.00	0.44	0.00	10.14	90.15	2.00	0.00	0.44	0.00
10.16	89.19	2.00	0.00	0.44	0.00	10.18	87.88	1.00	0.67	0.43	0.01
10.20	86.71	0.99	0.77	0.43	0.02	10.22	86.90	0.99	0.75	0.43	0.01
10.24	87.68	1.00	0.68	0.43	0.01	10.26	88.34	1.01	0.63	0.43	0.01
10.28	87.91	1.00	0.66	0.43	0.01	10.30	87.19	1.00	0.71	0.43	0.01
10.32	87.27	1.00	0.70	0.43	0.01	10.34	88.28	1.01	0.63	0.43	0.01
10.36	89.65	1.02	0.55	0.42	0.01	10.38	92.48	1.06	0.43	0.42	0.01
10.40	94.50	1.09	0.38	0.42	0.01	10.42	93.95	1.08	0.39	0.42	0.01
10.44	93.87	1.08	0.39	0.42	0.01	10.46	92.46	1.06	0.43	0.42	0.01
10.48	92.00	1.05	0.44	0.42	0.01	10.50	91.39	1.05	0.46	0.42	0.01
10.52	91.61	1.05	0.45	0.42	0.01	10.54	91.04	1.04	0.47	0.41	0.01
10.56	89.75	1.03	0.52	0.41	0.01	10.58	88.09	1.01	0.61	0.41	0.01
10.60	86.19	0.99	0.77	0.41	0.02	10.62	84.37	0.97	1.02	0.41	0.02
10.64	82.54	0.95	1.59	0.41	0.03	10.66	80.76	0.93	1.62	0.41	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.68	80.15	0.93	1.63	0.41	0.03	10.70	80.93	0.93	1.61	0.41	0.03
10.72	82.85	0.95	1.42	0.40	0.03	10.74	83.86	0.96	1.10	0.40	0.02
10.76	84.90	0.97	0.90	0.40	0.02	10.78	87.59	1.00	0.62	0.40	0.01
10.80	92.08	1.06	0.42	0.40	0.01	10.82	94.23	1.08	0.36	0.40	0.01
10.84	91.88	1.05	0.42	0.40	0.01	10.86	88.06	1.01	0.58	0.40	0.01
10.88	86.20	0.99	0.72	0.40	0.01	10.90	86.44	0.99	0.70	0.39	0.01
10.92	87.60	1.00	0.60	0.39	0.01	10.94	89.05	1.02	0.52	0.39	0.01
10.96	90.37	1.04	0.46	0.39	0.01	10.98	90.78	1.04	0.44	0.39	0.01
11.00	92.76	1.07	0.38	0.39	0.01	11.02	92.57	1.06	0.39	0.39	0.01
11.04	87.75	1.01	0.58	0.39	0.01	11.06	84.07	0.97	0.97	0.39	0.02
11.08	84.03	2.00	0.00	0.38	0.00	11.10	87.82	2.00	0.00	0.38	0.00
11.12	91.47	2.00	0.00	0.38	0.00	11.14	93.44	2.00	0.00	0.38	0.00
11.16	93.71	2.00	0.00	0.38	0.00	11.18	92.51	2.00	0.00	0.38	0.00
11.20	90.22	2.00	0.00	0.38	0.00	11.22	85.86	2.00	0.00	0.38	0.00
11.24	79.37	2.00	0.00	0.38	0.00	11.26	16.48	2.00	0.00	0.37	0.00
11.28	12.64	2.00	0.00	0.37	0.00	11.30	9.40	2.00	0.00	0.37	0.00
11.32	7.53	2.00	0.00	0.37	0.00	11.34	5.86	2.00	0.00	0.37	0.00
11.36	5.47	2.00	0.00	0.37	0.00	11.38	5.56	2.00	0.00	0.37	0.00
11.40	5.46	2.00	0.00	0.37	0.00	11.42	5.16	2.00	0.00	0.37	0.00
11.44	5.06	2.00	0.00	0.36	0.00	11.46	5.06	2.00	0.00	0.36	0.00
11.48	4.96	2.00	0.00	0.36	0.00	11.50	4.56	2.00	0.00	0.36	0.00
11.52	4.56	2.00	0.00	0.36	0.00	11.54	4.56	2.00	0.00	0.36	0.00
11.56	4.56	2.00	0.00	0.36	0.00	11.58	4.55	2.00	0.00	0.36	0.00
11.60	4.55	2.00	0.00	0.36	0.00	11.62	4.74	2.00	0.00	0.35	0.00
11.64	4.93	2.00	0.00	0.35	0.00	11.66	4.93	2.00	0.00	0.35	0.00
11.68	4.92	2.00	0.00	0.35	0.00	11.70	5.21	2.00	0.00	0.35	0.00
11.72	5.30	2.00	0.00	0.35	0.00	11.74	5.30	2.00	0.00	0.35	0.00
11.76	5.49	2.00	0.00	0.35	0.00	11.78	5.49	2.00	0.00	0.35	0.00
11.80	5.48	2.00	0.00	0.34	0.00	11.82	5.48	2.00	0.00	0.34	0.00
11.84	5.48	2.00	0.00	0.34	0.00	11.86	5.47	2.00	0.00	0.34	0.00
11.88	5.47	2.00	0.00	0.34	0.00	11.90	5.47	2.00	0.00	0.34	0.00
11.92	5.46	2.00	0.00	0.34	0.00	11.94	5.46	2.00	0.00	0.34	0.00
11.96	5.46	2.00	0.00	0.34	0.00	11.98	5.55	2.00	0.00	0.33	0.00
12.00	5.54	2.00	0.00	0.33	0.00	12.02	5.54	2.00	0.00	0.33	0.00
12.04	5.63	2.00	0.00	0.33	0.00	12.06	5.63	2.00	0.00	0.33	0.00
12.08	5.63	2.00	0.00	0.33	0.00	12.10	5.62	2.00	0.00	0.33	0.00
12.12	5.62	2.00	0.00	0.33	0.00	12.14	5.61	2.00	0.00	0.33	0.00
12.16	5.71	2.00	0.00	0.32	0.00	12.18	5.70	2.00	0.00	0.32	0.00
12.20	5.70	2.00	0.00	0.32	0.00	12.22	5.79	2.00	0.00	0.32	0.00
12.24	5.88	2.00	0.00	0.32	0.00	12.26	5.88	2.00	0.00	0.32	0.00
12.28	5.87	2.00	0.00	0.32	0.00	12.30	6.06	2.00	0.00	0.32	0.00
12.32	6.06	2.00	0.00	0.32	0.00	12.34	6.15	2.00	0.00	0.31	0.00
12.36	6.24	2.00	0.00	0.31	0.00	12.38	6.52	2.00	0.00	0.31	0.00
12.40	6.51	2.00	0.00	0.31	0.00	12.42	6.51	2.00	0.00	0.31	0.00
12.44	6.50	2.00	0.00	0.31	0.00	12.46	6.31	2.00	0.00	0.31	0.00
12.48	6.31	2.00	0.00	0.31	0.00	12.50	6.30	2.00	0.00	0.31	0.00
12.52	6.49	2.00	0.00	0.30	0.00	12.54	6.58	2.00	0.00	0.30	0.00
12.56	6.85	2.00	0.00	0.30	0.00	12.58	6.94	2.00	0.00	0.30	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
12.60	7.13	2.00	0.00	0.30	0.00	12.62	7.59	2.00	0.00	0.30	0.00
12.64	8.34	2.00	0.00	0.30	0.00	12.66	8.71	2.00	0.00	0.30	0.00
12.68	8.89	2.00	0.00	0.30	0.00	12.70	9.35	2.00	0.00	0.29	0.00
12.72	9.06	2.00	0.00	0.29	0.00	12.74	9.34	2.00	0.00	0.29	0.00
12.76	8.96	2.00	0.00	0.29	0.00	12.78	8.67	2.00	0.00	0.29	0.00
12.80	8.48	2.00	0.00	0.29	0.00	12.82	8.19	2.00	0.00	0.29	0.00
12.84	7.90	2.00	0.00	0.29	0.00	12.86	7.71	2.00	0.00	0.29	0.00
12.88	7.52	2.00	0.00	0.28	0.00	12.90	7.14	2.00	0.00	0.28	0.00
12.92	7.04	2.00	0.00	0.28	0.00	12.94	6.76	2.00	0.00	0.28	0.00
12.96	6.66	2.00	0.00	0.28	0.00	12.98	6.66	2.00	0.00	0.28	0.00
13.00	6.65	2.00	0.00	0.28	0.00	13.02	6.65	2.00	0.00	0.28	0.00
13.04	6.74	2.00	0.00	0.28	0.00	13.06	7.10	2.00	0.00	0.27	0.00
13.08	7.74	2.00	0.00	0.27	0.00	13.10	7.92	2.00	0.00	0.27	0.00
13.12	8.10	2.00	0.00	0.27	0.00	13.14	8.19	2.00	0.00	0.27	0.00
13.16	8.09	2.00	0.00	0.27	0.00	13.18	8.18	2.00	0.00	0.27	0.00
13.20	8.17	2.00	0.00	0.27	0.00	13.22	7.80	2.00	0.00	0.27	0.00
13.24	7.42	2.00	0.00	0.26	0.00	13.26	6.96	2.00	0.00	0.26	0.00
13.28	6.40	2.00	0.00	0.26	0.00	13.30	6.03	2.00	0.00	0.26	0.00
13.32	5.94	2.00	0.00	0.26	0.00	13.34	5.84	2.00	0.00	0.26	0.00
13.36	5.65	2.00	0.00	0.26	0.00	13.38	5.65	2.00	0.00	0.26	0.00
13.40	5.64	2.00	0.00	0.26	0.00	13.42	5.64	2.00	0.00	0.25	0.00
13.44	5.64	2.00	0.00	0.25	0.00	13.46	5.63	2.00	0.00	0.25	0.00
13.48	5.63	2.00	0.00	0.25	0.00	13.50	5.63	2.00	0.00	0.25	0.00
13.52	5.53	2.00	0.00	0.25	0.00	13.54	5.53	2.00	0.00	0.25	0.00
13.56	5.52	2.00	0.00	0.25	0.00	13.58	5.52	2.00	0.00	0.25	0.00
13.60	5.61	2.00	0.00	0.24	0.00	13.62	5.79	2.00	0.00	0.24	0.00
13.64	5.78	2.00	0.00	0.24	0.00	13.66	5.78	2.00	0.00	0.24	0.00
13.68	5.87	2.00	0.00	0.24	0.00	13.70	6.13	2.00	0.00	0.24	0.00
13.72	6.04	2.00	0.00	0.24	0.00	13.74	5.95	2.00	0.00	0.24	0.00
13.76	5.94	2.00	0.00	0.24	0.00	13.78	5.94	2.00	0.00	0.23	0.00
13.80	5.93	2.00	0.00	0.23	0.00	13.82	5.93	2.00	0.00	0.23	0.00
13.84	5.84	2.00	0.00	0.23	0.00	13.86	5.83	2.00	0.00	0.23	0.00
13.88	5.92	2.00	0.00	0.23	0.00	13.90	6.10	2.00	0.00	0.23	0.00
13.92	6.00	2.00	0.00	0.23	0.00	13.94	6.00	2.00	0.00	0.23	0.00
13.96	5.91	2.00	0.00	0.22	0.00	13.98	5.90	2.00	0.00	0.22	0.00
14.00	5.90	2.00	0.00	0.22	0.00	14.02	5.98	2.00	0.00	0.22	0.00
14.04	5.98	2.00	0.00	0.22	0.00	14.06	5.89	2.00	0.00	0.22	0.00
14.08	5.88	2.00	0.00	0.22	0.00	14.10	5.79	2.00	0.00	0.22	0.00
14.12	5.79	2.00	0.00	0.22	0.00	14.14	5.61	2.00	0.00	0.21	0.00
14.16	5.60	2.00	0.00	0.21	0.00	14.18	5.60	2.00	0.00	0.21	0.00
14.20	5.77	2.00	0.00	0.21	0.00	14.22	5.77	2.00	0.00	0.21	0.00
14.24	5.77	2.00	0.00	0.21	0.00	14.26	5.85	2.00	0.00	0.21	0.00
14.28	5.85	2.00	0.00	0.21	0.00	14.30	5.93	2.00	0.00	0.21	0.00
14.32	5.93	2.00	0.00	0.20	0.00	14.34	5.93	2.00	0.00	0.20	0.00
14.36	5.92	2.00	0.00	0.20	0.00	14.38	5.92	2.00	0.00	0.20	0.00
14.40	5.92	2.00	0.00	0.20	0.00	14.42	6.00	2.00	0.00	0.20	0.00
14.44	6.00	2.00	0.00	0.20	0.00	14.46	5.99	2.00	0.00	0.20	0.00
14.48	5.90	2.00	0.00	0.20	0.00	14.50	5.90	2.00	0.00	0.19	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
14.52	5.90	2.00	0.00	0.19	0.00	14.54	5.89	2.00	0.00	0.19	0.00
14.56	5.98	2.00	0.00	0.19	0.00	14.58	5.88	2.00	0.00	0.19	0.00
14.60	5.88	2.00	0.00	0.19	0.00	14.62	5.88	2.00	0.00	0.19	0.00
14.64	5.87	2.00	0.00	0.19	0.00	14.66	5.87	2.00	0.00	0.19	0.00
14.68	5.96	2.00	0.00	0.18	0.00	14.70	5.95	2.00	0.00	0.18	0.00
14.72	6.21	2.00	0.00	0.18	0.00	14.74	5.94	2.00	0.00	0.18	0.00
14.76	5.94	2.00	0.00	0.18	0.00	14.78	5.85	2.00	0.00	0.18	0.00
14.80	5.76	2.00	0.00	0.18	0.00	14.82	5.75	2.00	0.00	0.18	0.00
14.84	5.75	2.00	0.00	0.18	0.00	14.86	5.75	2.00	0.00	0.17	0.00
14.88	5.83	2.00	0.00	0.17	0.00	14.90	5.92	2.00	0.00	0.17	0.00
14.92	5.91	2.00	0.00	0.17	0.00	14.94	5.91	2.00	0.00	0.17	0.00
14.96	5.82	2.00	0.00	0.17	0.00	14.98	5.81	2.00	0.00	0.17	0.00
15.00	5.81	2.00	0.00	0.17	0.00	15.02	5.81	2.00	0.00	0.17	0.00
15.04	5.72	2.00	0.00	0.16	0.00	15.06	5.71	2.00	0.00	0.16	0.00
15.08	5.71	2.00	0.00	0.16	0.00	15.10	5.71	2.00	0.00	0.16	0.00
15.12	5.70	2.00	0.00	0.16	0.00	15.14	5.61	2.00	0.00	0.16	0.00
15.16	5.61	2.00	0.00	0.16	0.00	15.18	5.61	2.00	0.00	0.16	0.00
15.20	5.69	2.00	0.00	0.16	0.00	15.22	5.77	2.00	0.00	0.15	0.00
15.24	5.68	2.00	0.00	0.15	0.00	15.26	5.68	2.00	0.00	0.15	0.00
15.28	5.59	2.00	0.00	0.15	0.00	15.30	5.59	2.00	0.00	0.15	0.00
15.32	5.67	2.00	0.00	0.15	0.00	15.34	5.67	2.00	0.00	0.15	0.00
15.36	5.75	2.00	0.00	0.15	0.00	15.38	5.75	2.00	0.00	0.15	0.00
15.40	5.74	2.00	0.00	0.14	0.00	15.42	5.74	2.00	0.00	0.14	0.00
15.44	5.65	2.00	0.00	0.14	0.00	15.46	5.56	2.00	0.00	0.14	0.00
15.48	5.64	2.00	0.00	0.14	0.00	15.50	5.64	2.00	0.00	0.14	0.00
15.52	5.64	2.00	0.00	0.14	0.00	15.54	5.72	2.00	0.00	0.14	0.00
15.56	5.72	2.00	0.00	0.14	0.00	15.58	5.80	2.00	0.00	0.13	0.00
15.60	5.71	2.00	0.00	0.13	0.00	15.62	5.71	2.00	0.00	0.13	0.00
15.64	5.62	2.00	0.00	0.13	0.00	15.66	5.61	2.00	0.00	0.13	0.00
15.68	5.78	2.00	0.00	0.13	0.00	15.70	5.78	2.00	0.00	0.13	0.00
15.72	5.78	2.00	0.00	0.13	0.00	15.74	5.86	2.00	0.00	0.13	0.00
15.76	5.68	2.00	0.00	0.12	0.00	15.78	5.85	2.00	0.00	0.12	0.00
15.80	6.02	2.00	0.00	0.12	0.00	15.82	6.10	2.00	0.00	0.12	0.00
15.84	6.18	2.00	0.00	0.12	0.00	15.86	6.09	2.00	0.00	0.12	0.00
15.88	6.01	2.00	0.00	0.12	0.00	15.90	5.83	2.00	0.00	0.12	0.00
15.92	5.66	2.00	0.00	0.12	0.00	15.94	5.66	2.00	0.00	0.11	0.00
15.96	5.65	2.00	0.00	0.11	0.00	15.98	5.65	2.00	0.00	0.11	0.00
16.00	5.56	2.00	0.00	0.11	0.00	16.02	5.56	2.00	0.00	0.11	0.00
16.04	5.55	2.00	0.00	0.11	0.00	16.06	5.47	2.00	0.00	0.11	0.00
16.08	5.46	2.00	0.00	0.11	0.00	16.10	5.46	2.00	0.00	0.11	0.00
16.12	5.46	2.00	0.00	0.10	0.00	16.14	5.45	2.00	0.00	0.10	0.00
16.16	5.45	2.00	0.00	0.10	0.00	16.18	5.45	2.00	0.00	0.10	0.00
16.20	5.45	2.00	0.00	0.10	0.00	16.22	5.44	2.00	0.00	0.10	0.00
16.24	5.44	2.00	0.00	0.10	0.00	16.26	5.27	2.00	0.00	0.10	0.00
16.28	5.27	2.00	0.00	0.10	0.00	16.30	5.26	2.00	0.00	0.09	0.00
16.32	5.43	2.00	0.00	0.09	0.00	16.34	5.76	2.00	0.00	0.09	0.00
16.36	6.51	2.00	0.00	0.09	0.00	16.38	7.02	2.00	0.00	0.09	0.00
16.40	6.93	2.00	0.00	0.09	0.00	16.42	6.92	2.00	0.00	0.09	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
16.44	6.50	2.00	0.00	0.09	0.00	16.46	5.91	2.00	0.00	0.09	0.00
16.48	5.49	2.00	0.00	0.08	0.00	16.50	5.57	2.00	0.00	0.08	0.00
16.52	6.48	2.00	0.00	0.08	0.00	16.54	7.23	2.00	0.00	0.08	0.00
16.56	7.40	2.00	0.00	0.08	0.00	16.58	6.47	2.00	0.00	0.08	0.00
16.60	6.64	2.00	0.00	0.08	0.00	16.62	7.22	2.00	0.00	0.08	0.00
16.64	7.80	2.00	0.00	0.08	0.00	16.66	7.79	2.00	0.00	0.07	0.00
16.68	10.39	2.00	0.00	0.07	0.00	16.70	13.08	2.00	0.00	0.07	0.00
16.72	13.91	2.00	0.00	0.07	0.00	16.74	12.64	2.00	0.00	0.07	0.00
16.76	10.45	2.00	0.00	0.07	0.00	16.78	8.60	2.00	0.00	0.07	0.00
16.80	7.34	2.00	0.00	0.07	0.00	16.82	6.34	2.00	0.00	0.07	0.00
16.84	5.92	2.00	0.00	0.06	0.00	16.86	6.58	2.00	0.00	0.06	0.00
16.88	7.49	2.00	0.00	0.06	0.00	16.90	7.16	2.00	0.00	0.06	0.00
16.92	6.32	2.00	0.00	0.06	0.00	16.94	6.16	2.00	0.00	0.06	0.00
16.96	6.32	2.00	0.00	0.06	0.00	16.98	6.31	2.00	0.00	0.06	0.00
17.00	6.06	2.00	0.00	0.06	0.00	17.02	6.06	2.00	0.00	0.05	0.00
17.04	5.97	2.00	0.00	0.05	0.00	17.06	5.89	2.00	0.00	0.05	0.00
17.08	5.89	2.00	0.00	0.05	0.00	17.10	5.88	2.00	0.00	0.05	0.00
17.12	5.96	2.00	0.00	0.05	0.00	17.14	6.04	2.00	0.00	0.05	0.00
17.16	6.04	2.00	0.00	0.05	0.00	17.18	6.12	2.00	0.00	0.05	0.00
17.20	6.03	2.00	0.00	0.04	0.00	17.22	6.03	2.00	0.00	0.04	0.00
17.24	6.02	2.00	0.00	0.04	0.00	17.26	6.10	2.00	0.00	0.04	0.00
17.28	6.26	2.00	0.00	0.04	0.00	17.30	6.26	2.00	0.00	0.04	0.00
17.32	6.34	2.00	0.00	0.04	0.00	17.34	6.42	2.00	0.00	0.04	0.00
17.36	6.50	2.00	0.00	0.04	0.00	17.38	6.49	2.00	0.00	0.03	0.00
17.40	6.49	2.00	0.00	0.03	0.00	17.42	6.65	2.00	0.00	0.03	0.00
17.44	6.81	2.00	0.00	0.03	0.00	17.46	7.38	2.00	0.00	0.03	0.00
17.48	7.86	2.00	0.00	0.03	0.00	17.50	7.94	2.00	0.00	0.03	0.00
17.52	7.69	2.00	0.00	0.03	0.00	17.54	7.36	2.00	0.00	0.03	0.00
17.56	7.03	2.00	0.00	0.02	0.00	17.58	6.86	2.00	0.00	0.02	0.00
17.60	6.78	2.00	0.00	0.02	0.00	17.62	7.18	2.00	0.00	0.02	0.00
17.64	7.83	2.00	0.00	0.02	0.00	17.66	8.56	2.00	0.00	0.02	0.00
17.68	12.00	2.00	0.00	0.02	0.00	17.70	11.99	2.00	0.00	0.02	0.00
17.72	11.90	2.00	0.00	0.02	0.00	17.74	11.56	2.00	0.00	0.01	0.00
17.76	11.07	2.00	0.00	0.01	0.00	17.78	10.73	2.00	0.00	0.01	0.00
17.80	10.97	2.00	0.00	0.01	0.00	17.82	11.37	2.00	0.00	0.01	0.00
17.84	11.04	2.00	0.00	0.01	0.00	17.86	9.97	2.00	0.00	0.01	0.00
17.88	8.99	2.00	0.00	0.01	0.00	17.90	8.34	2.00	0.00	0.01	0.00
17.92	10.68	2.00	0.00	0.00	0.00	17.94	16.80	2.00	0.00	0.00	0.00
17.96	80.66	2.00	0.00	0.00	0.00	17.98	84.96	2.00	0.00	0.00	0.00
18.00	85.78	2.00	0.00	0.00	0.00	18.02	84.57	2.00	0.00	0.00	0.00
18.04	83.34	1.07	0.00	0.00	0.00	18.06	82.68	1.07	0.00	0.00	0.00
18.08	81.93	1.06	0.00	0.00	0.00	18.10	81.62	1.05	0.00	0.00	0.00
18.12	82.10	1.06	0.00	0.00	0.00	18.14	81.85	1.06	0.00	0.00	0.00
18.16	81.56	2.00	0.00	0.00	0.00	18.18	81.06	2.00	0.00	0.00	0.00
18.20	79.45	2.00	0.00	0.00	0.00	18.22	76.41	2.00	0.00	0.00	0.00
18.24	17.56	2.00	0.00	0.00	0.00	18.26	16.01	2.00	0.00	0.00	0.00
18.28	15.03	2.00	0.00	0.00	0.00	18.30	15.76	2.00	0.00	0.00	0.00
18.32	15.18	2.00	0.00	0.00	0.00	18.34	14.28	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
18.36	14.27	2.00	0.00	0.00	0.00	18.38	12.65	2.00	0.00	0.00	0.00
18.40	10.38	2.00	0.00	0.00	0.00	18.42	8.61	2.00	0.00	0.00	0.00
18.44	8.44	2.00	0.00	0.00	0.00	18.46	9.08	2.00	0.00	0.00	0.00
18.48	8.75	2.00	0.00	0.00	0.00	18.50	7.95	2.00	0.00	0.00	0.00
18.52	7.31	2.00	0.00	0.00	0.00	18.54	7.15	2.00	0.00	0.00	0.00
18.56	7.06	2.00	0.00	0.00	0.00	18.58	6.66	2.00	0.00	0.00	0.00
18.60	6.50	2.00	0.00	0.00	0.00	18.62	6.66	2.00	0.00	0.00	0.00
18.64	6.97	2.00	0.00	0.00	0.00	18.66	8.55	2.00	0.00	0.00	0.00
18.68	7.68	2.00	0.00	0.00	0.00	18.70	7.35	2.00	0.00	0.00	0.00
18.72	7.19	2.00	0.00	0.00	0.00	18.74	6.95	2.00	0.00	0.00	0.00
18.76	7.18	2.00	0.00	0.00	0.00	18.78	6.86	2.00	0.00	0.00	0.00
18.80	6.62	2.00	0.00	0.00	0.00	18.82	6.54	2.00	0.00	0.00	0.00
18.84	6.22	2.00	0.00	0.00	0.00	18.86	6.06	2.00	0.00	0.00	0.00
18.88	5.98	2.00	0.00	0.00	0.00	18.90	5.98	2.00	0.00	0.00	0.00
18.92	5.74	2.00	0.00	0.00	0.00	18.94	5.66	2.00	0.00	0.00	0.00
18.96	5.58	2.00	0.00	0.00	0.00	18.98	5.50	2.00	0.00	0.00	0.00
19.00	5.50	2.00	0.00	0.00	0.00	19.02	5.57	2.00	0.00	0.00	0.00
19.04	5.65	2.00	0.00	0.00	0.00	19.06	5.80	2.00	0.00	0.00	0.00
19.08	5.95	2.00	0.00	0.00	0.00	19.10	6.03	2.00	0.00	0.00	0.00
19.12	6.34	2.00	0.00	0.00	0.00	19.14	6.49	2.00	0.00	0.00	0.00
19.16	6.49	2.00	0.00	0.00	0.00	19.18	6.41	2.00	0.00	0.00	0.00
19.20	6.17	2.00	0.00	0.00	0.00	19.22	6.32	2.00	0.00	0.00	0.00
19.24	6.40	2.00	0.00	0.00	0.00	19.26	6.32	2.00	0.00	0.00	0.00
19.28	6.16	2.00	0.00	0.00	0.00	19.30	6.08	2.00	0.00	0.00	0.00
19.32	5.99	2.00	0.00	0.00	0.00	19.34	5.91	2.00	0.00	0.00	0.00
19.36	5.91	2.00	0.00	0.00	0.00	19.38	5.91	2.00	0.00	0.00	0.00
19.40	5.91	2.00	0.00	0.00	0.00	19.42	5.90	2.00	0.00	0.00	0.00
19.44	5.98	2.00	0.00	0.00	0.00	19.46	5.97	2.00	0.00	0.00	0.00
19.48	5.97	2.00	0.00	0.00	0.00	19.50	5.97	2.00	0.00	0.00	0.00
19.52	6.12	2.00	0.00	0.00	0.00	19.54	6.27	2.00	0.00	0.00	0.00
19.56	6.42	2.00	0.00	0.00	0.00	19.58	6.50	2.00	0.00	0.00	0.00
19.60	6.73	2.00	0.00	0.00	0.00	19.62	7.26	2.00	0.00	0.00	0.00
19.64	7.88	2.00	0.00	0.00	0.00	19.66	7.80	2.00	0.00	0.00	0.00
19.68	7.02	2.00	0.00	0.00	0.00	19.70	6.78	2.00	0.00	0.00	0.00
19.72	6.55	2.00	0.00	0.00	0.00	19.74	6.55	2.00	0.00	0.00	0.00
19.76	6.47	2.00	0.00	0.00	0.00	19.78	6.62	2.00	0.00	0.00	0.00
19.80	6.84	2.00	0.00	0.00	0.00	19.82	7.15	2.00	0.00	0.00	0.00
19.84	7.22	2.00	0.00	0.00	0.00	19.86	7.45	2.00	0.00	0.00	0.00
19.88	7.60	2.00	0.00	0.00	0.00	19.90	7.44	2.00	0.00	0.00	0.00
19.92	7.74	2.00	0.00	0.00	0.00	19.94	7.58	2.00	0.00	0.00	0.00
19.96	7.58	2.00	0.00	0.00	0.00	19.98	7.58	2.00	0.00	0.00	0.00
20.00	7.65	2.00	0.00	0.00	0.00	20.02	8.11	2.00	0.00	0.00	0.00
20.04	8.25	2.00	0.00	0.00	0.00	20.06	8.33	2.00	0.00	0.00	0.00
20.08	8.86	2.00	0.00	0.00	0.00	20.10	9.01	2.00	0.00	0.00	0.00
20.12	9.16	2.00	0.00	0.00	0.00	20.14	9.61	2.00	0.00	0.00	0.00
20.16	9.99	2.00	0.00	0.00	0.00	20.18	10.06	2.00	0.00	0.00	0.00
20.20	10.29	2.00	0.00	0.00	0.00	20.22	10.44	2.00	0.00	0.00	0.00
20.24	10.43	2.00	0.00	0.00	0.00	20.26	10.42	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
20.28	10.65	2.00	0.00	0.00	0.00	20.30	10.56	2.00	0.00	0.00	0.00
20.32	10.64	2.00	0.00	0.00	0.00	20.34	10.78	2.00	0.00	0.00	0.00
20.36	10.62	2.00	0.00	0.00	0.00	20.38	10.69	2.00	0.00	0.00	0.00
20.40	10.84	2.00	0.00	0.00	0.00	20.42	10.68	2.00	0.00	0.00	0.00
20.44	10.83	2.00	0.00	0.00	0.00	20.46	11.13	2.00	0.00	0.00	0.00
20.48	11.58	2.00	0.00	0.00	0.00	20.50	11.27	2.00	0.00	0.00	0.00
20.52	11.18	2.00	0.00	0.00	0.00	20.54	10.95	2.00	0.00	0.00	0.00
20.56	10.79	2.00	0.00	0.00	0.00	20.58	10.63	2.00	0.00	0.00	0.00
20.60	10.62	2.00	0.00	0.00	0.00	20.62	10.61	2.00	0.00	0.00	0.00
20.64	10.61	2.00	0.00	0.00	0.00	20.66	10.75	2.00	0.00	0.00	0.00
20.68	10.90	2.00	0.00	0.00	0.00	20.70	11.05	2.00	0.00	0.00	0.00
20.72	11.19	2.00	0.00	0.00	0.00	20.74	11.03	2.00	0.00	0.00	0.00
20.76	11.03	2.00	0.00	0.00	0.00	20.78	11.17	2.00	0.00	0.00	0.00
20.80	11.16	2.00	0.00	0.00	0.00	20.82	11.31	2.00	0.00	0.00	0.00
20.84	11.38	2.00	0.00	0.00	0.00	20.86	12.06	2.00	0.00	0.00	0.00
20.88	12.58	2.00	0.00	0.00	0.00	20.90	12.19	2.00	0.00	0.00	0.00
20.92	11.96	2.00	0.00	0.00	0.00	20.94	12.26	2.00	0.00	0.00	0.00
20.96	12.32	2.00	0.00	0.00	0.00	20.98	12.32	2.00	0.00	0.00	0.00
21.00	12.16	2.00	0.00	0.00	0.00	21.02	11.85	2.00	0.00	0.00	0.00
21.04	12.37	2.00	0.00	0.00	0.00	21.06	12.06	2.00	0.00	0.00	0.00
21.08	12.36	2.00	0.00	0.00	0.00	21.10	12.27	2.00	0.00	0.00	0.00
21.12	11.81	2.00	0.00	0.00	0.00	21.14	11.35	2.00	0.00	0.00	0.00
21.16	11.57	2.00	0.00	0.00	0.00	21.18	11.79	2.00	0.00	0.00	0.00
21.20	11.78	2.00	0.00	0.00	0.00	21.22	12.15	2.00	0.00	0.00	0.00
21.24	12.15	2.00	0.00	0.00	0.00	21.26	12.59	2.00	0.00	0.00	0.00
21.28	12.13	2.00	0.00	0.00	0.00	21.30	12.20	2.00	0.00	0.00	0.00
21.32	12.87	2.00	0.00	0.00	0.00	21.34	13.01	2.00	0.00	0.00	0.00
21.36	12.78	2.00	0.00	0.00	0.00	21.38	12.47	2.00	0.00	0.00	0.00
21.40	12.54	2.00	0.00	0.00	0.00	21.42	12.60	2.00	0.00	0.00	0.00
21.44	12.52	2.00	0.00	0.00	0.00	21.46	12.44	2.00	0.00	0.00	0.00
21.48	12.73	2.00	0.00	0.00	0.00	21.50	12.95	2.00	0.00	0.00	0.00
21.52	13.09	2.00	0.00	0.00	0.00	21.54	13.08	2.00	0.00	0.00	0.00
21.56	13.22	2.00	0.00	0.00	0.00	21.58	13.22	2.00	0.00	0.00	0.00
21.60	13.58	2.00	0.00	0.00	0.00	21.62	13.35	2.00	0.00	0.00	0.00
21.64	13.72	2.00	0.00	0.00	0.00	21.66	13.93	2.00	0.00	0.00	0.00
21.68	14.07	2.00	0.00	0.00	0.00	21.70	13.99	2.00	0.00	0.00	0.00
21.72	13.61	2.00	0.00	0.00	0.00	21.74	13.90	2.00	0.00	0.00	0.00
21.76	14.11	2.00	0.00	0.00	0.00	21.78	14.48	2.00	0.00	0.00	0.00
21.80	14.17	2.00	0.00	0.00	0.00	21.82	13.27	2.00	0.00	0.00	0.00
21.84	13.56	2.00	0.00	0.00	0.00	21.86	13.92	2.00	0.00	0.00	0.00
21.88	14.14	2.00	0.00	0.00	0.00	21.90	13.83	2.00	0.00	0.00	0.00
21.92	13.82	2.00	0.00	0.00	0.00	21.94	13.89	2.00	0.00	0.00	0.00
21.96	13.36	2.00	0.00	0.00	0.00	21.98	13.58	2.00	0.00	0.00	0.00
22.00	13.57	2.00	0.00	0.00	0.00	22.02	13.41	2.00	0.00	0.00	0.00
22.04	12.96	2.00	0.00	0.00	0.00	22.06	13.02	2.00	0.00	0.00	0.00
22.08	12.57	2.00	0.00	0.00	0.00	22.10	12.49	2.00	0.00	0.00	0.00
22.12	12.49	2.00	0.00	0.00	0.00	22.14	12.48	2.00	0.00	0.00	0.00
22.16	12.47	2.00	0.00	0.00	0.00	22.18	12.83	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
22.20	12.53	2.00	0.00	0.00	0.00	22.22	12.23	2.00	0.00	0.00	0.00
22.24	12.37	2.00	0.00	0.00	0.00	22.26	12.36	2.00	0.00	0.00	0.00
22.28	12.13	2.00	0.00	0.00	0.00	22.30	12.20	2.00	0.00	0.00	0.00
22.32	11.75	2.00	0.00	0.00	0.00	22.34	11.60	2.00	0.00	0.00	0.00
22.36	11.96	2.00	0.00	0.00	0.00	22.38	12.03	2.00	0.00	0.00	0.00
22.40	11.95	2.00	0.00	0.00	0.00	22.42	12.30	2.00	0.00	0.00	0.00
22.44	11.93	2.00	0.00	0.00	0.00	22.46	11.56	2.00	0.00	0.00	0.00
22.48	11.26	2.00	0.00	0.00	0.00	22.50	10.82	2.00	0.00	0.00	0.00
22.52	10.74	2.00	0.00	0.00	0.00	22.54	10.81	2.00	0.00	0.00	0.00
22.56	11.02	2.00	0.00	0.00	0.00	22.58	11.16	2.00	0.00	0.00	0.00
22.60	11.15	2.00	0.00	0.00	0.00	22.62	11.00	2.00	0.00	0.00	0.00
22.64	10.93	2.00	0.00	0.00	0.00	22.66	11.06	2.00	0.00	0.00	0.00
22.68	11.27	2.00	0.00	0.00	0.00	22.70	11.05	2.00	0.00	0.00	0.00
22.72	11.19	2.00	0.00	0.00	0.00	22.74	10.97	2.00	0.00	0.00	0.00
22.76	11.18	2.00	0.00	0.00	0.00	22.78	11.03	2.00	0.00	0.00	0.00
22.80	11.02	2.00	0.00	0.00	0.00	22.82	10.73	2.00	0.00	0.00	0.00
22.84	10.58	2.00	0.00	0.00	0.00	22.86	10.36	2.00	0.00	0.00	0.00
22.88	10.28	2.00	0.00	0.00	0.00	22.90	10.56	2.00	0.00	0.00	0.00
22.92	10.70	2.00	0.00	0.00	0.00	22.94	10.98	2.00	0.00	0.00	0.00
22.96	11.33	2.00	0.00	0.00	0.00	22.98	11.90	2.00	0.00	0.00	0.00
23.00	11.89	2.00	0.00	0.00	0.00	23.02	11.60	2.00	0.00	0.00	0.00
23.04	10.95	2.00	0.00	0.00	0.00	23.06	11.02	2.00	0.00	0.00	0.00
23.08	11.15	2.00	0.00	0.00	0.00	23.10	10.93	2.00	0.00	0.00	0.00
23.12	10.71	2.00	0.00	0.00	0.00	23.14	10.63	2.00	0.00	0.00	0.00
23.16	10.13	2.00	0.00	0.00	0.00	23.18	9.63	2.00	0.00	0.00	0.00
23.20	9.27	2.00	0.00	0.00	0.00	23.22	9.41	2.00	0.00	0.00	0.00
23.24	9.26	2.00	0.00	0.00	0.00	23.26	9.26	2.00	0.00	0.00	0.00
23.28	9.53	2.00	0.00	0.00	0.00	23.30	9.53	2.00	0.00	0.00	0.00
23.32	9.52	2.00	0.00	0.00	0.00	23.34	9.24	2.00	0.00	0.00	0.00
23.36	8.95	2.00	0.00	0.00	0.00	23.38	8.52	2.00	0.00	0.00	0.00
23.40	8.45	2.00	0.00	0.00	0.00	23.42	8.65	2.00	0.00	0.00	0.00
23.44	8.86	2.00	0.00	0.00	0.00	23.46	9.21	2.00	0.00	0.00	0.00
23.48	9.34	2.00	0.00	0.00	0.00	23.50	9.48	2.00	0.00	0.00	0.00
23.52	8.63	2.00	0.00	0.00	0.00	23.54	8.49	2.00	0.00	0.00	0.00
23.56	8.41	2.00	0.00	0.00	0.00	23.58	8.41	2.00	0.00	0.00	0.00
23.60	8.47	2.00	0.00	0.00	0.00	23.62	8.40	2.00	0.00	0.00	0.00
23.64	8.12	2.00	0.00	0.00	0.00	23.66	8.18	2.00	0.00	0.00	0.00
23.68	8.04	2.00	0.00	0.00	0.00	23.70	7.97	2.00	0.00	0.00	0.00
23.72	7.61	2.00	0.00	0.00	0.00	23.74	7.61	2.00	0.00	0.00	0.00
23.76	7.88	2.00	0.00	0.00	0.00	23.78	7.81	2.00	0.00	0.00	0.00
23.80	7.53	2.00	0.00	0.00	0.00	23.82	7.25	2.00	0.00	0.00	0.00
23.84	7.25	2.00	0.00	0.00	0.00	23.86	7.11	2.00	0.00	0.00	0.00
23.88	7.17	2.00	0.00	0.00	0.00	23.90	7.17	2.00	0.00	0.00	0.00
23.92	7.51	2.00	0.00	0.00	0.00	23.94	7.64	2.00	0.00	0.00	0.00
23.96	7.91	2.00	0.00	0.00	0.00	23.98	8.12	2.00	0.00	0.00	0.00
24.00	8.46	2.00	0.00	0.00	0.00	24.02	8.80	2.00	0.00	0.00	0.00
24.04	9.14	2.00	0.00	0.00	0.00	24.06	9.28	2.00	0.00	0.00	0.00
24.08	9.55	2.00	0.00	0.00	0.00	24.10	9.55	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
24.12	9.68	2.00	0.00	0.00	0.00	24.14	9.67	2.00	0.00	0.00	0.00
24.16	9.67	2.00	0.00	0.00	0.00	24.18	9.80	2.00	0.00	0.00	0.00
24.20	9.80	2.00	0.00	0.00	0.00	24.22	10.07	2.00	0.00	0.00	0.00
24.24	10.69	2.00	0.00	0.00	0.00	24.26	10.82	2.00	0.00	0.00	0.00
24.28	10.82	2.00	0.00	0.00	0.00	24.30	10.74	2.00	0.00	0.00	0.00
24.32	10.67	2.00	0.00	0.00	0.00	24.34	10.80	2.00	0.00	0.00	0.00
24.36	11.21	2.00	0.00	0.00	0.00	24.38	13.51	2.00	0.00	0.00	0.00
24.40	13.22	2.00	0.00	0.00	0.00	24.42	12.38	2.00	0.00	0.00	0.00
24.44	11.95	2.00	0.00	0.00	0.00	24.46	12.29	2.00	0.00	0.00	0.00
24.48	12.15	2.00	0.00	0.00	0.00	24.50	11.38	2.00	0.00	0.00	0.00
24.52	10.68	2.00	0.00	0.00	0.00	24.54	9.99	2.00	0.00	0.00	0.00
24.56	9.77	2.00	0.00	0.00	0.00	24.58	9.77	2.00	0.00	0.00	0.00
24.60	9.90	2.00	0.00	0.00	0.00	24.62	10.31	2.00	0.00	0.00	0.00
24.64	9.96	2.00	0.00	0.00	0.00	24.66	11.12	2.00	0.00	0.00	0.00
24.68	11.12	2.00	0.00	0.00	0.00	24.70	10.77	2.00	0.00	0.00	0.00
24.72	10.49	2.00	0.00	0.00	0.00	24.74	9.87	2.00	0.00	0.00	0.00
24.76	9.52	2.00	0.00	0.00	0.00	24.78	9.04	2.00	0.00	0.00	0.00
24.80	8.62	2.00	0.00	0.00	0.00	24.82	8.69	2.00	0.00	0.00	0.00
24.84	8.68	2.00	0.00	0.00	0.00	24.86	9.02	2.00	0.00	0.00	0.00
24.88	9.15	2.00	0.00	0.00	0.00	24.90	9.21	2.00	0.00	0.00	0.00
24.92	9.28	2.00	0.00	0.00	0.00	24.94	9.48	2.00	0.00	0.00	0.00
24.96	9.61	2.00	0.00	0.00	0.00	24.98	9.74	2.00	0.00	0.00	0.00
25.00	9.80	2.00	0.00	0.00	0.00	25.02	9.80	2.00	0.00	0.00	0.00
25.04	9.79	2.00	0.00	0.00	0.00	25.06	9.79	2.00	0.00	0.00	0.00
25.08	9.78	2.00	0.00	0.00	0.00	25.10	9.58	2.00	0.00	0.00	0.00
25.12	9.44	2.00	0.00	0.00	0.00	25.14	9.16	2.00	0.00	0.00	0.00
25.16	8.89	2.00	0.00	0.00	0.00	25.18	8.61	2.00	0.00	0.00	0.00
25.20	8.07	2.00	0.00	0.00	0.00	25.22	7.26	2.00	0.00	0.00	0.00
25.24	6.59	2.00	0.00	0.00	0.00	25.26	6.39	2.00	0.00	0.00	0.00
25.28	6.45	2.00	0.00	0.00	0.00	25.30	6.39	2.00	0.00	0.00	0.00
25.32	5.99	2.00	0.00	0.00	0.00	25.34	5.98	2.00	0.00	0.00	0.00
25.36	6.18	2.00	0.00	0.00	0.00	25.38	6.51	2.00	0.00	0.00	0.00
25.40	7.30	2.00	0.00	0.00	0.00	25.42	7.90	2.00	0.00	0.00	0.00
25.44	8.16	2.00	0.00	0.00	0.00	25.46	7.69	2.00	0.00	0.00	0.00
25.48	7.49	2.00	0.00	0.00	0.00	25.50	7.35	2.00	0.00	0.00	0.00
25.52	7.35	2.00	0.00	0.00	0.00	25.54	7.28	2.00	0.00	0.00	0.00
25.56	7.01	2.00	0.00	0.00	0.00	25.58	6.94	2.00	0.00	0.00	0.00
25.60	7.01	2.00	0.00	0.00	0.00	25.62	6.87	2.00	0.00	0.00	0.00
25.64	6.94	2.00	0.00	0.00	0.00	25.66	7.40	2.00	0.00	0.00	0.00
25.68	7.19	2.00	0.00	0.00	0.00	25.70	7.06	2.00	0.00	0.00	0.00
25.72	6.99	2.00	0.00	0.00	0.00	25.74	6.92	2.00	0.00	0.00	0.00
25.76	6.92	2.00	0.00	0.00	0.00	25.78	7.05	2.00	0.00	0.00	0.00
25.80	7.24	2.00	0.00	0.00	0.00	25.82	7.31	2.00	0.00	0.00	0.00
25.84	7.24	2.00	0.00	0.00	0.00	25.86	7.04	2.00	0.00	0.00	0.00
25.88	6.90	2.00	0.00	0.00	0.00	25.90	6.96	2.00	0.00	0.00	0.00
25.92	7.16	2.00	0.00	0.00	0.00	25.94	7.22	2.00	0.00	0.00	0.00
25.96	7.35	2.00	0.00	0.00	0.00	25.98	8.14	2.00	0.00	0.00	0.00
26.00	8.34	2.00	0.00	0.00	0.00	26.02	8.13	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
26.04	8.26	2.00	0.00	0.00	0.00	26.06	9.59	2.00	0.00	0.00	0.00
26.08	12.66	2.00	0.00	0.00	0.00	26.10	16.58	2.00	0.00	0.00	0.00
26.12	19.17	2.00	0.00	0.00	0.00	26.14	21.93	2.00	0.00	0.00	0.00
26.16	24.94	2.00	0.00	0.00	0.00	26.18	26.62	2.00	0.00	0.00	0.00
26.20	86.01	2.00	0.00	0.00	0.00	26.22	85.80	2.00	0.00	0.00	0.00
26.24	84.62	2.00	0.00	0.00	0.00	26.26	84.64	2.00	0.00	0.00	0.00
26.28	86.85	2.00	0.00	0.00	0.00	26.30	90.99	2.00	0.00	0.00	0.00
26.32	95.04	2.00	0.00	0.00	0.00	26.34	93.21	2.00	0.00	0.00	0.00
26.36	83.59	2.00	0.00	0.00	0.00	26.38	19.01	2.00	0.00	0.00	0.00
26.40	15.69	2.00	0.00	0.00	0.00	26.42	11.90	2.00	0.00	0.00	0.00
26.44	10.23	2.00	0.00	0.00	0.00	26.46	10.03	2.00	0.00	0.00	0.00
26.48	10.15	2.00	0.00	0.00	0.00	26.50	9.89	2.00	0.00	0.00	0.00
26.52	10.87	2.00	0.00	0.00	0.00	26.54	14.89	2.00	0.00	0.00	0.00
26.56	21.49	2.00	0.00	0.00	0.00	26.58	28.59	2.00	0.00	0.00	0.00
26.60	90.07	2.00	0.00	0.00	0.00	26.62	90.37	2.00	0.00	0.00	0.00
26.64	88.52	2.00	0.00	0.00	0.00	26.66	89.22	2.00	0.00	0.00	0.00
26.68	86.89	2.00	0.00	0.00	0.00	26.70	26.19	2.00	0.00	0.00	0.00
26.72	23.77	2.00	0.00	0.00	0.00	26.74	21.36	2.00	0.00	0.00	0.00
26.76	18.82	2.00	0.00	0.00	0.00	26.78	16.44	2.00	0.00	0.00	0.00
26.80	14.06	2.00	0.00	0.00	0.00	26.82	12.32	2.00	0.00	0.00	0.00
26.84	10.86	2.00	0.00	0.00	0.00	26.86	10.53	2.00	0.00	0.00	0.00
26.88	10.59	2.00	0.00	0.00	0.00	26.90	9.99	2.00	0.00	0.00	0.00
26.92	9.40	2.00	0.00	0.00	0.00	26.94	8.61	2.00	0.00	0.00	0.00
26.96	8.15	2.00	0.00	0.00	0.00	26.98	8.54	2.00	0.00	0.00	0.00
27.00	8.86	2.00	0.00	0.00	0.00	27.02	9.51	2.00	0.00	0.00	0.00
27.04	11.47	2.00	0.00	0.00	0.00	27.06	15.18	2.00	0.00	0.00	0.00
27.08	17.19	2.00	0.00	0.00	0.00	27.10	15.44	2.00	0.00	0.00	0.00
27.12	12.24	2.00	0.00	0.00	0.00	27.14	9.61	2.00	0.00	0.00	0.00
27.16	8.90	2.00	0.00	0.00	0.00	27.18	8.89	2.00	0.00	0.00	0.00
27.20	9.67	2.00	0.00	0.00	0.00	27.22	14.34	2.00	0.00	0.00	0.00
27.24	25.98	2.00	0.00	0.00	0.00	27.26	100.44	2.00	0.00	0.00	0.00
27.28	106.11	2.00	0.00	0.00	0.00	27.30	105.75	2.00	0.00	0.00	0.00
27.32	98.94	2.00	0.00	0.00	0.00	27.34	93.66	2.00	0.00	0.00	0.00
27.36	98.83	2.00	0.00	0.00	0.00	27.38	107.71	2.00	0.00	0.00	0.00
27.40	114.11	2.00	0.00	0.00	0.00	27.42	112.94	2.00	0.00	0.00	0.00
27.44	101.38	2.00	0.00	0.00	0.00	27.46	30.80	2.00	0.00	0.00	0.00
27.48	26.27	2.00	0.00	0.00	0.00	27.50	23.01	2.00	0.00	0.00	0.00
27.52	23.34	2.00	0.00	0.00	0.00	27.54	28.18	2.00	0.00	0.00	0.00
27.56	30.52	2.00	0.00	0.00	0.00	27.58	31.48	2.00	0.00	0.00	0.00
27.60	31.31	2.00	0.00	0.00	0.00	27.62	29.95	2.00	0.00	0.00	0.00
27.64	26.84	2.00	0.00	0.00	0.00	27.66	25.16	2.00	0.00	0.00	0.00
27.68	21.82	2.00	0.00	0.00	0.00	27.70	17.53	2.00	0.00	0.00	0.00
27.72	14.89	2.00	0.00	0.00	0.00	27.74	15.35	2.00	0.00	0.00	0.00
27.76	20.01	2.00	0.00	0.00	0.00	27.78	24.87	2.00	0.00	0.00	0.00
27.80	88.76	2.00	0.00	0.00	0.00	27.82	95.62	2.00	0.00	0.00	0.00
27.84	99.32	2.00	0.00	0.00	0.00	27.86	101.28	2.00	0.00	0.00	0.00
27.88	103.67	2.00	0.00	0.00	0.00	27.90	104.12	2.00	0.00	0.00	0.00
27.92	101.71	2.00	0.00	0.00	0.00	27.94	94.32	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
27.96	90.18	2.00	0.00	0.00	0.00	27.98	91.03	2.00	0.00	0.00	0.00
28.00	95.41	2.00	0.00	0.00	0.00	28.02	100.84	2.00	0.00	0.00	0.00
28.04	105.72	2.00	0.00	0.00	0.00	28.06	109.64	2.00	0.00	0.00	0.00
28.08	112.09	2.00	0.00	0.00	0.00	28.10	115.66	2.00	0.00	0.00	0.00
28.12	116.84	2.00	0.00	0.00	0.00	28.14	118.82	2.00	0.00	0.00	0.00
28.16	118.47	2.00	0.00	0.00	0.00	28.18	119.91	2.00	0.00	0.00	0.00
28.20	120.53	2.00	0.00	0.00	0.00	28.22	122.25	2.00	0.00	0.00	0.00
28.24	124.10	2.00	0.00	0.00	0.00	28.26	126.51	2.00	0.00	0.00	0.00
28.28	127.36	2.00	0.00	0.00	0.00	28.30	128.62	2.00	0.00	0.00	0.00
28.32	128.50	2.00	0.00	0.00	0.00	28.34	127.96	2.00	0.00	0.00	0.00
28.36	128.02	2.00	0.00	0.00	0.00	28.38	128.01	2.00	0.00	0.00	0.00
28.40	128.67	2.00	0.00	0.00	0.00	28.42	128.64	2.00	0.00	0.00	0.00
28.44	129.51	2.00	0.00	0.00	0.00	28.46	129.90	2.00	0.00	0.00	0.00
28.48	130.24	2.00	0.00	0.00	0.00	28.50	128.90	2.00	0.00	0.00	0.00
28.52	126.40	2.00	0.00	0.00	0.00	28.54	123.29	2.00	0.00	0.00	0.00
28.56	121.00	2.00	0.00	0.00	0.00	28.58	118.19	2.00	0.00	0.00	0.00
28.60	115.52	2.00	0.00	0.00	0.00	28.62	113.21	2.00	0.00	0.00	0.00
28.64	112.44	2.00	0.00	0.00	0.00	28.66	111.97	2.00	0.00	0.00	0.00
28.68	113.08	2.00	0.00	0.00	0.00	28.70	114.70	2.00	0.00	0.00	0.00
28.72	116.26	2.00	0.00	0.00	0.00	28.74	117.87	2.00	0.00	0.00	0.00
28.76	117.89	2.00	0.00	0.00	0.00	28.78	115.58	2.00	0.00	0.00	0.00
28.80	112.21	2.00	0.00	0.00	0.00	28.82	110.33	2.00	0.00	0.00	0.00
28.84	108.51	2.00	0.00	0.00	0.00	28.86	108.80	2.00	0.00	0.00	0.00
28.88	108.76	2.00	0.00	0.00	0.00	28.90	108.60	2.00	0.00	0.00	0.00
28.92	108.57	2.00	0.00	0.00	0.00	28.94	109.23	2.00	0.00	0.00	0.00
28.96	110.04	2.00	0.00	0.00	0.00	28.98	110.31	2.00	0.00	0.00	0.00
29.00	110.58	2.00	0.00	0.00	0.00	29.02	111.65	2.00	0.00	0.00	0.00
29.04	113.42	2.00	0.00	0.00	0.00	29.06	114.72	2.00	0.00	0.00	0.00
29.08	115.00	2.00	0.00	0.00	0.00	29.10	115.02	2.00	0.00	0.00	0.00
29.12	115.51	2.00	0.00	0.00	0.00	29.14	115.98	2.00	0.00	0.00	0.00
29.16	116.44	2.00	0.00	0.00	0.00	29.18	116.61	2.00	0.00	0.00	0.00
29.20	117.59	2.00	0.00	0.00	0.00	29.22	119.46	2.00	0.00	0.00	0.00
29.24	121.26	2.00	0.00	0.00	0.00	29.26	122.40	2.00	0.00	0.00	0.00
29.28	122.41	2.00	0.00	0.00	0.00	29.30	123.30	2.00	0.00	0.00	0.00
29.32	123.97	2.00	0.00	0.00	0.00	29.34	124.24	2.00	0.00	0.00	0.00
29.36	125.12	2.00	0.00	0.00	0.00	29.38	127.22	2.00	0.00	0.00	0.00
29.40	130.21	2.00	0.00	0.00	0.00	29.42	130.88	2.00	0.00	0.00	0.00
29.44	128.40	2.00	0.00	0.00	0.00	29.46	126.22	2.00	0.00	0.00	0.00
29.48	127.91	2.00	0.00	0.00	0.00	29.50	131.26	2.00	0.00	0.00	0.00
29.52	134.21	2.00	0.00	0.00	0.00	29.54	135.90	2.00	0.00	0.00	0.00
29.56	139.72	2.00	0.00	0.00	0.00	29.58	144.67	2.00	0.00	0.00	0.00
29.60	149.58	2.00	0.00	0.00	0.00	29.62	151.53	2.00	0.00	0.00	0.00
29.64	149.97	2.00	0.00	0.00	0.00	29.66	148.55	2.00	0.00	0.00	0.00
29.68	140.45	2.00	0.00	0.00	0.00	29.70	141.82	2.00	0.00	0.00	0.00
29.72	143.79	2.00	0.00	0.00	0.00	29.74	148.51	2.00	0.00	0.00	0.00
29.76	153.61	2.00	0.00	0.00	0.00	29.78	154.67	2.00	0.00	0.00	0.00
29.80	155.34	2.00	0.00	0.00	0.00	29.82	153.92	2.00	0.00	0.00	0.00
29.84	152.36	2.00	0.00	0.00	0.00	29.86	149.60	2.00	0.00	0.00	0.00

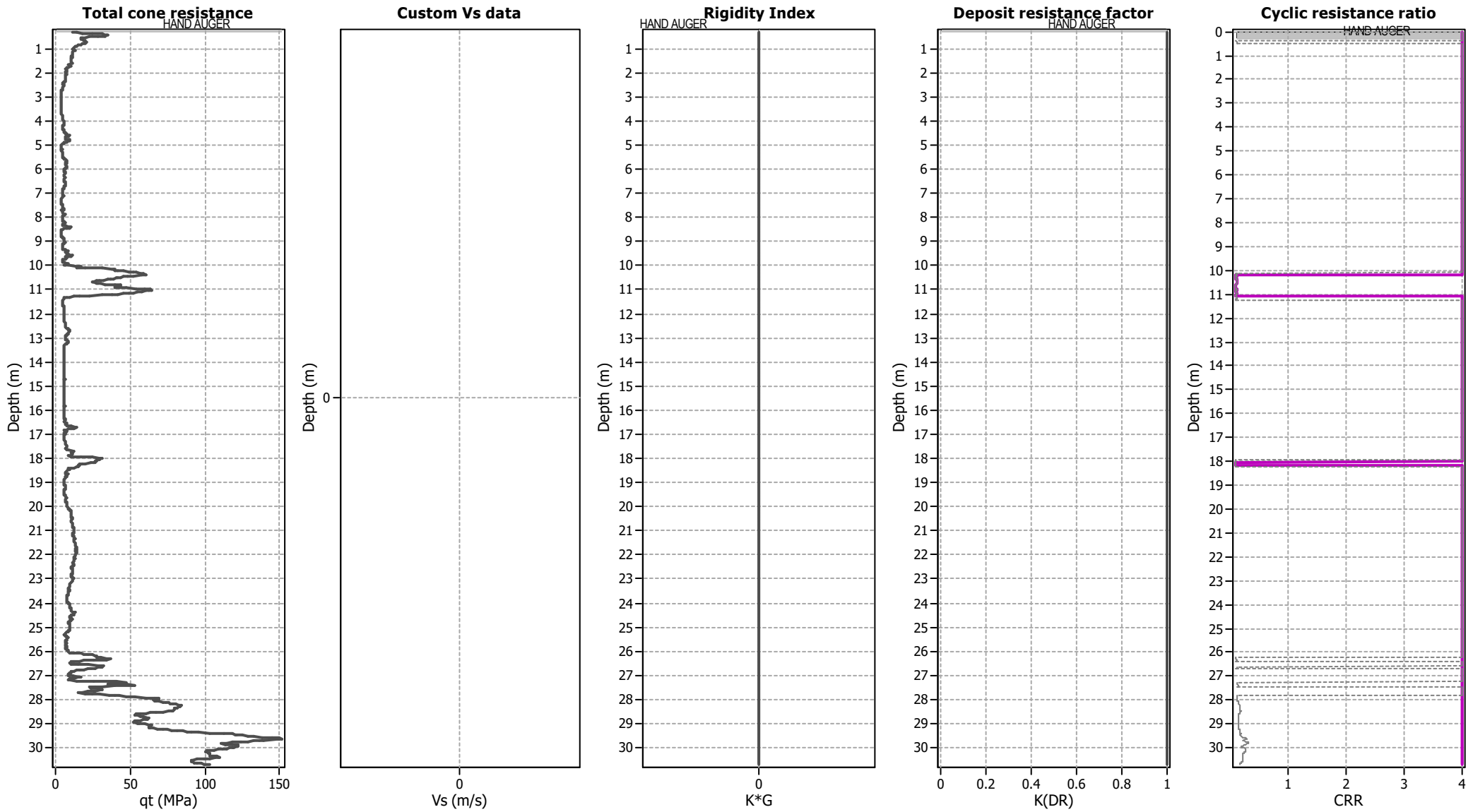
:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
29.88	147.45	2.00	0.00	0.00	0.00	29.90	144.31	2.00	0.00	0.00	0.00
29.92	138.87	2.00	0.00	0.00	0.00	29.94	136.03	2.00	0.00	0.00	0.00
29.96	134.31	2.00	0.00	0.00	0.00	29.98	134.43	2.00	0.00	0.00	0.00
30.00	138.56	2.00	0.00	0.00	0.00	30.02	143.24	2.00	0.00	0.00	0.00
30.04	147.38	2.00	0.00	0.00	0.00	30.06	149.67	2.00	0.00	0.00	0.00
30.08	150.47	2.00	0.00	0.00	0.00	30.10	149.91	2.00	0.00	0.00	0.00
30.12	148.80	2.00	0.00	0.00	0.00	30.14	147.31	2.00	0.00	0.00	0.00
30.16	145.83	2.00	0.00	0.00	0.00	30.18	144.32	2.00	0.00	0.00	0.00
30.20	142.37	2.00	0.00	0.00	0.00	30.22	140.98	2.00	0.00	0.00	0.00
30.24	138.97	2.00	0.00	0.00	0.00	30.26	138.05	2.00	0.00	0.00	0.00
30.28	137.23	2.00	0.00	0.00	0.00	30.30	137.48	2.00	0.00	0.00	0.00
30.32	137.51	2.00	0.00	0.00	0.00	30.34	138.09	2.00	0.00	0.00	0.00
30.36	138.32	2.00	0.00	0.00	0.00	30.38	139.41	2.00	0.00	0.00	0.00
30.40	138.53	2.00	0.00	0.00	0.00	30.42	140.27	2.00	0.00	0.00	0.00
30.44	140.73	2.00	0.00	0.00	0.00	30.46	141.68	2.00	0.00	0.00	0.00
30.48	140.74	2.00	0.00	0.00	0.00	30.50	140.50	2.00	0.00	0.00	0.00
30.52	140.04	2.00	0.00	0.00	0.00	30.54	139.43	2.00	0.00	0.00	0.00
30.56	138.42	2.00	0.00	0.00	0.00	30.58	136.68	2.00	0.00	0.00	0.00
30.60	134.27	2.00	0.00	0.00	0.00	30.62	131.99	2.00	0.00	0.00	0.00
30.64	129.28	2.00	0.00	0.00	0.00	30.66	127.09	2.00	0.00	0.00	0.00
30.68	125.17	2.00	0.00	0.00	0.00	30.70	125.37	2.00	0.00	0.00	0.00

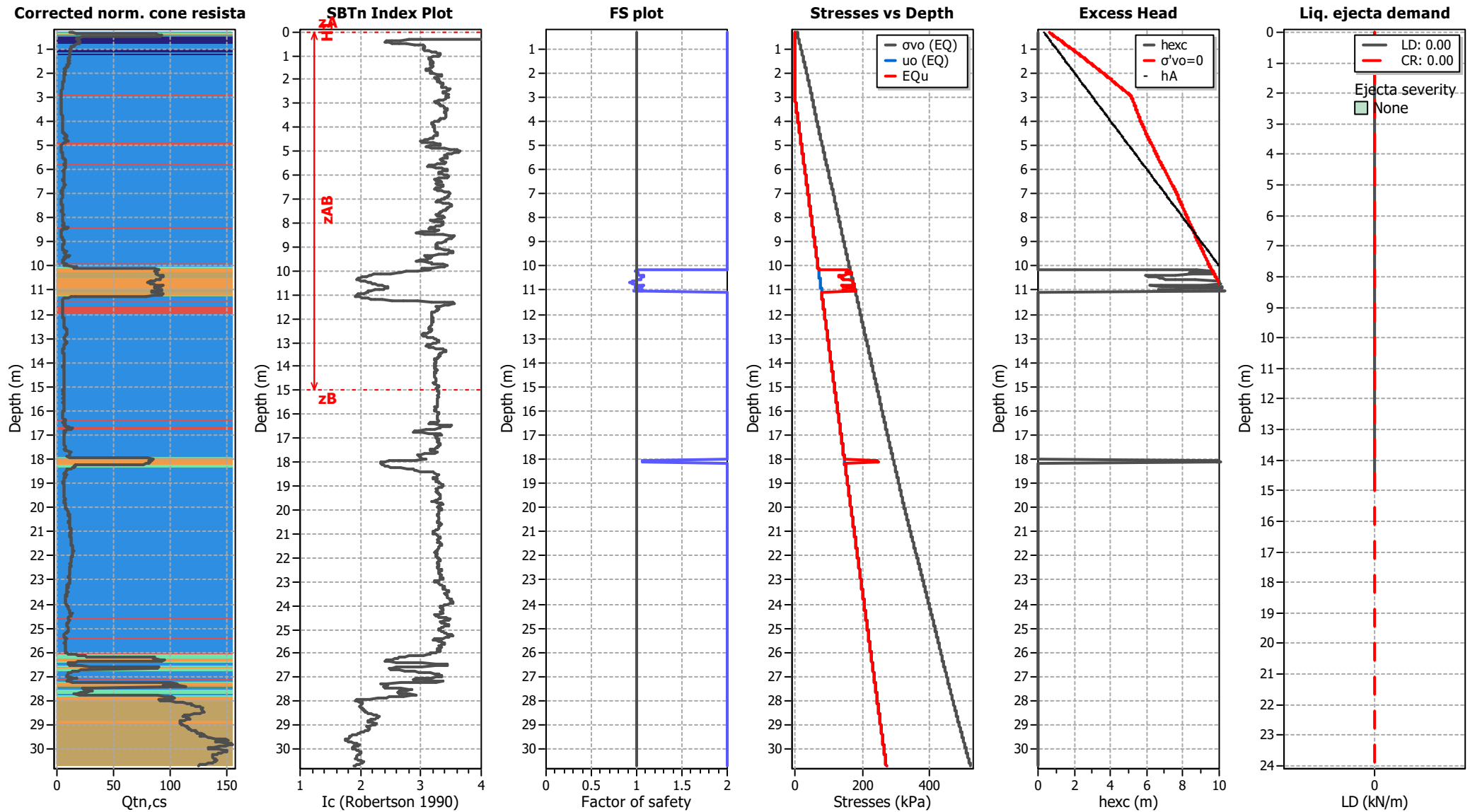
Total estimated settlement: 0.63**Abbreviations**

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
 FS: Factor of safety against liquefaction
 e_v (%): Post-liquefaction volumetric strain
 DF: e_v depth weighting factor
 Settlement: Calculated settlement

Aging Calculation Estimation

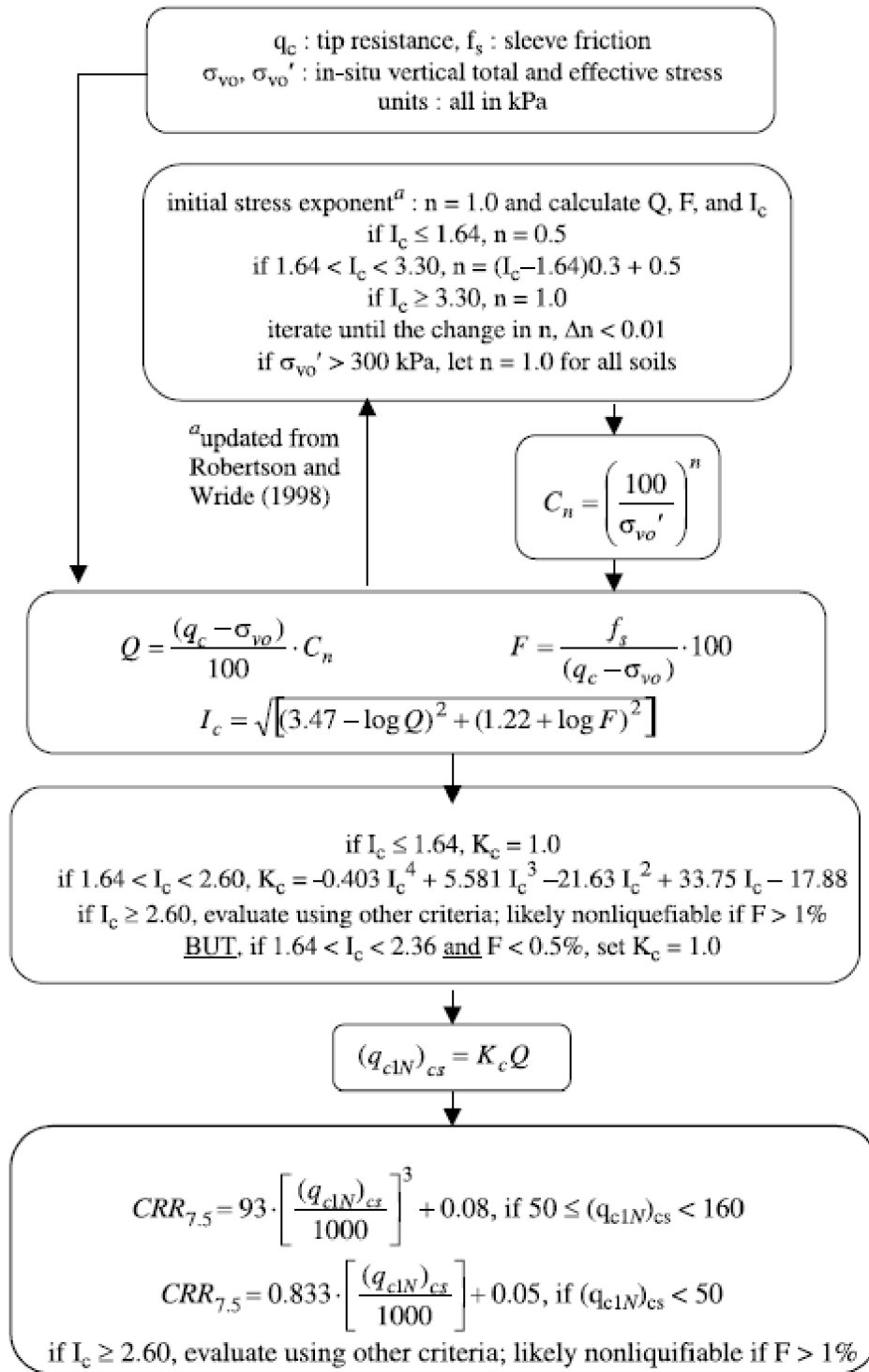


Ejecta Severity Estimation



Procedure for the evaluation of soil liquefaction resistance, NCEER (1998)

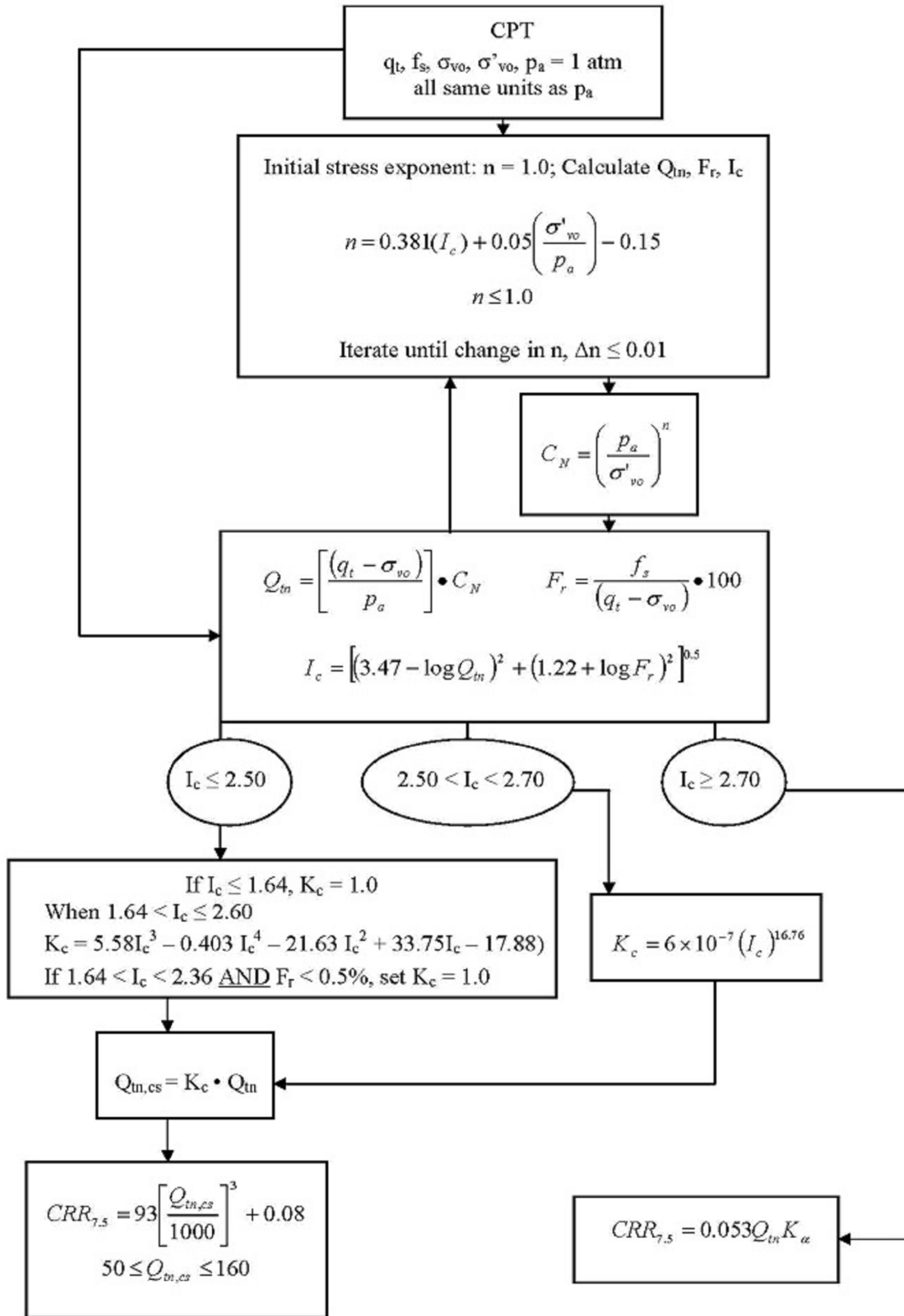
Calculation of soil resistance against liquefaction is performed according to the Robertson & Wride (1998) procedure. The procedure used in the software, slightly differs from the one originally published in NCEER-97-0022 (Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils). The revised procedure is presented below in the form of a flowchart¹:



¹ "Estimating liquefaction-induced ground settlements from CPT for level ground", G. Zhang, P.K. Robertson, and R.W.I. Brachman

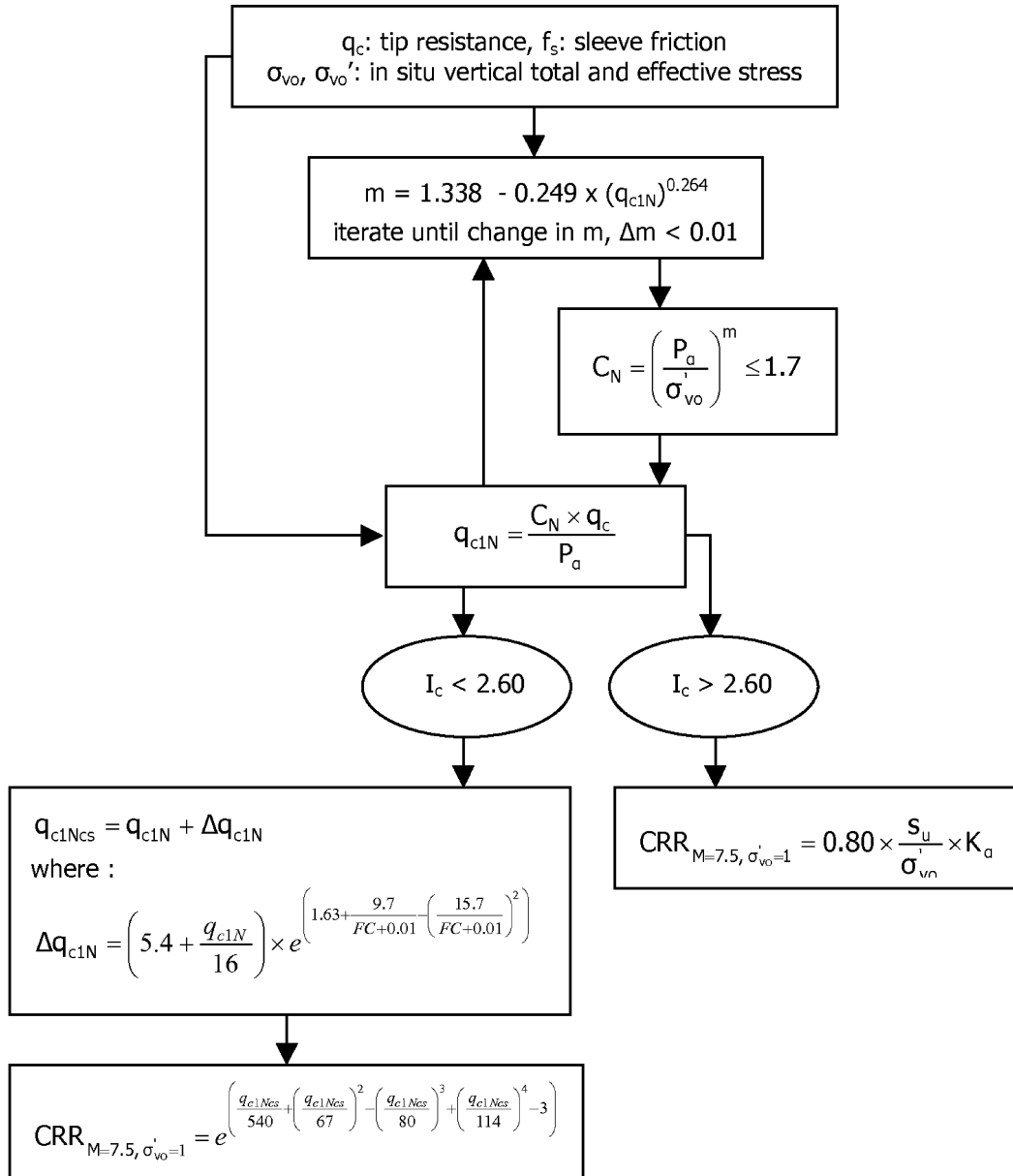
Procedure for the evaluation of soil liquefaction resistance (all soils), Robertson (2010)

Calculation of soil resistance against liquefaction is performed according to the Robertson & Wride (1998) procedure. This procedure used in the software, slightly differs from the one originally published in NCEER-97-0022 (Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils). The revised procedure is presented below in the form of a flowchart¹:

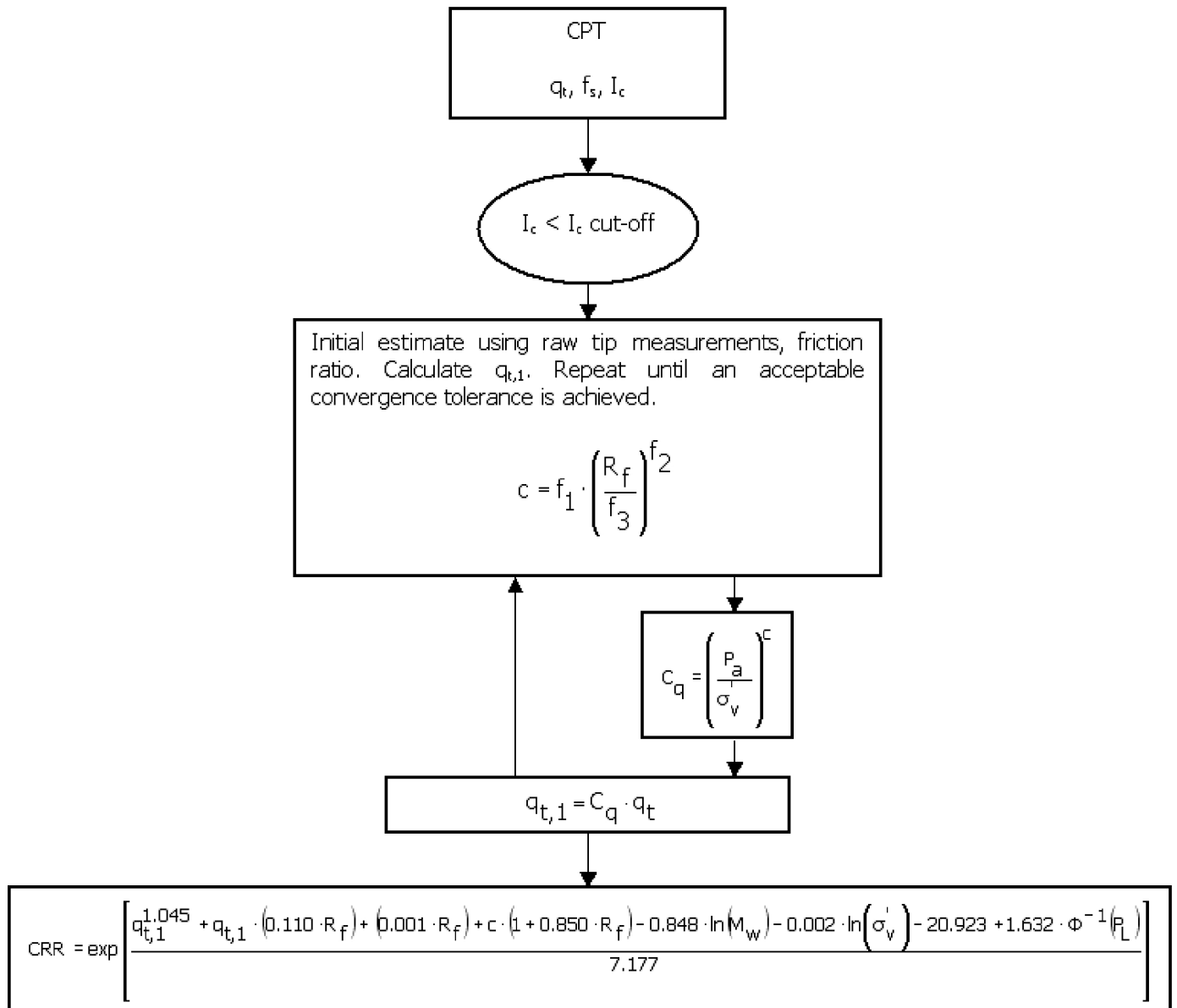


¹ P.K. Robertson, 2009. "Performance based earthquake design using the CPT", Keynote Lecture, International Conference on Performance-based Design in Earthquake Geotechnical Engineering – from case history to practice, IS-Tokyo, June 2009

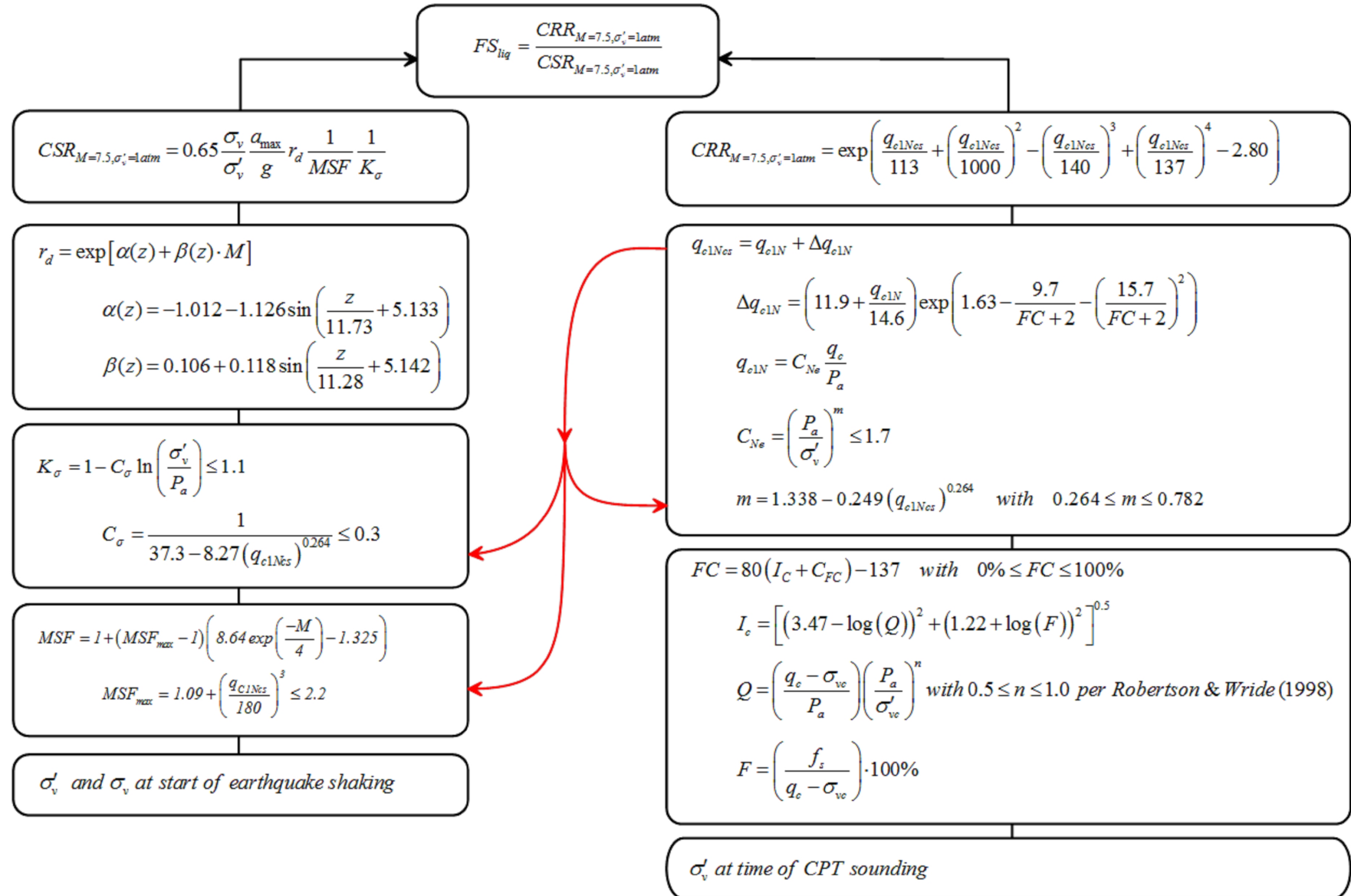
Procedure for the evaluation of soil liquefaction resistance, Idriss & Boulanger (2008)



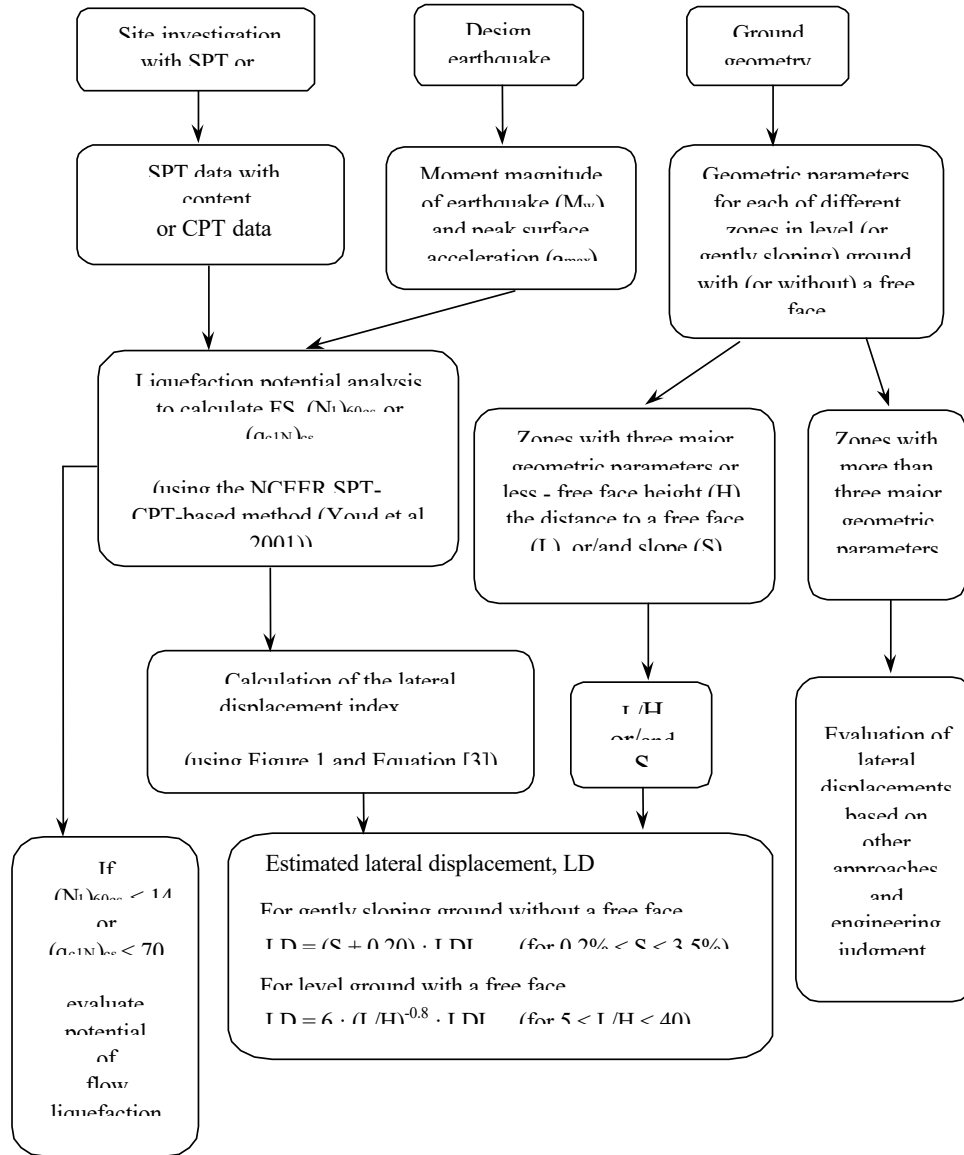
Procedure for the evaluation of soil liquefaction resistance (sandy soils), Moss et al. (2006)



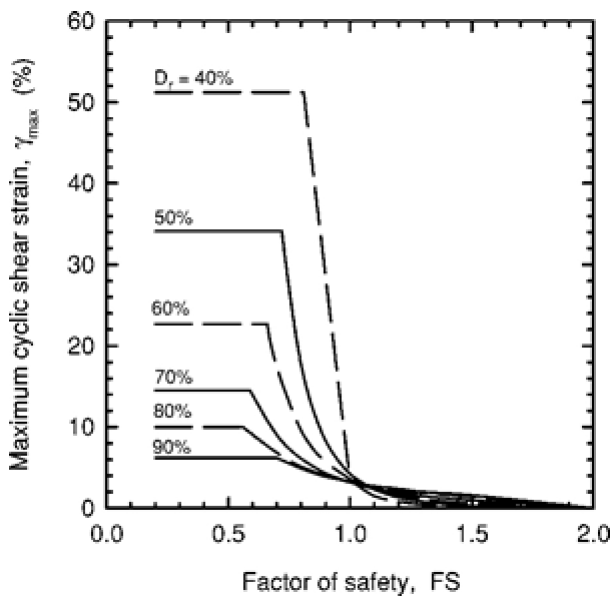
Procedure for the evaluation of soil liquefaction resistance, Boulanger & Idriss(2014)



Procedure for the evaluation of liquefaction-induced lateral spreading displacements



¹ Flow chart illustrating major steps in estimating liquefaction-induced lateral spreading displacements using the proposed approach



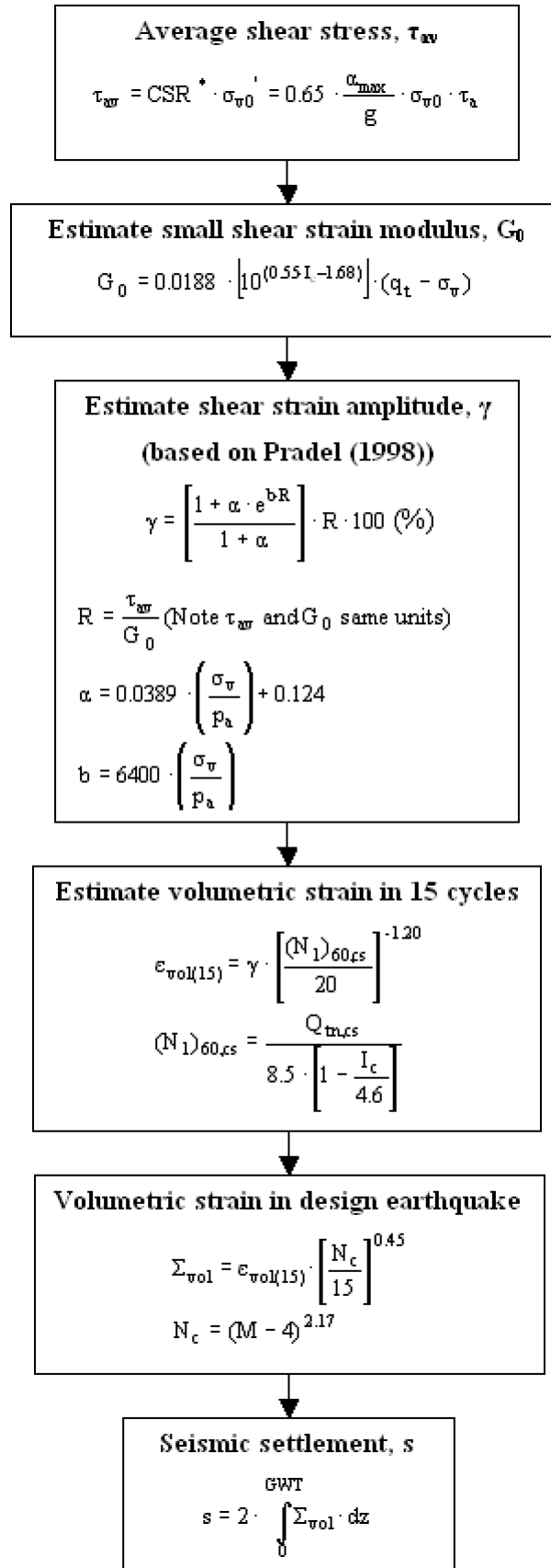
¹ Figure 1

$$LDI = \int_0^{Z_{max}} \gamma_{max} dz$$

¹ Equation [3]

¹ "Estimating liquefaction-induced ground settlements from CPT for level ground", G. Zhang, P.K. Robertson, and R.W.I. Brachman

Procedure for the estimation of seismic induced settlements in dry sands



Robertson, P.K. and Lisheng, S., 2010, "Estimation of seismic compression in dry soils using the CPT" FIFTH INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN GEOTECHNICAL EARTHQUAKE ENGINEERING AND SOIL DYNAMICS, Symposium in honor of professor I. M. Idriss, San Diego, CA

Liquefaction Potential Index (LPI) calculation procedure

Calculation of the Liquefaction Potential Index (LPI) is used to interpret the liquefaction assessment calculations in terms of severity over depth. The calculation procedure is based on the methodology developed by Iwasaki (1982) and is adopted by AFPS.

To estimate the severity of liquefaction extent at a given site, LPI is calculated based on the following equation:

$$\mathbf{LPI} = \int_0^{20} (10 - 0,5z) \times F_L \times d_z$$

where:

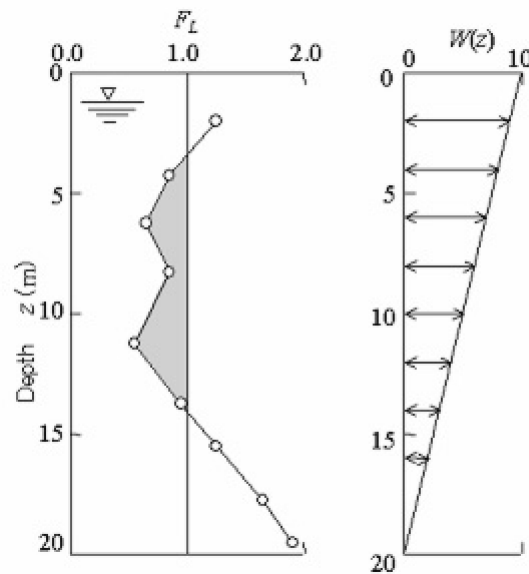
$F_L = 1 - F.S.$ when F.S. less than 1

$F_L = 0$ when F.S. greater than 1

z depth of measurment in meters

Values of LPI range between zero (0) when no test point is characterized as liquefiable and 100 when all points are characterized as susceptible to liquefaction. Iwasaki proposed four (4) discrete categories based on the numeric value of LPI:

- $LPI = 0$: Liquefaction risk is very low
- $0 < LPI \leq 5$: Liquefaction risk is low
- $5 < LPI \leq 15$: Liquefaction risk is high
- $LPI > 15$: Liquefaction risk is very high



Graphical presentation of the LPI calculation procedure

Shear-Induced Building Settlement (Ds) calculation procedure

The shear-induced building settlement (Ds) due to liquefaction below the building can be estimated using the relationship developed by Bray and Macedo (2017):

$$\begin{aligned} \ln(Ds) = & c1 + c2 * LBS + 0.58 * \ln\left(\tanh\left(\frac{HL}{6}\right)\right) + \\ & 4.59 * \ln(Q) - 0.42 * \ln(Q)^2 - 0.02 * B + \\ & 0.84 * \ln(CAVdp) + 0.41 * \ln(Sa1) + \varepsilon \end{aligned}$$

where Ds is in the units of mm, c1= -8.35 and c2= 0.072 for LBS ≤ 16, and c1= -7.48 and c2= 0.014 otherwise. Q is the building contact pressure in units of kPa, HL is the cumulative thickness of the liquefiable layers in the units of m, B is the building width in the units of m, CAVdp is a standardized version of the cumulative absolute velocity in the units of g-s, Sa1 is 5%-damped pseudo-acceleration response spectral value at a period of 1 s in the units of g, and ε is a normal random variable with zero mean and 0.50 standard deviation in Ln units. The liquefaction-induced building settlement index (LBS) is:

$$LBS = \sum W * \frac{\varepsilon_{shear}}{z} dz$$

where z (m) is the depth measured from the ground surface > 0, w is a foundation-weighting factor wherein W = 0.0 for z less than Df, which is the embedment depth of the foundation, and W = 1.0 otherwise. The shear strain parameter (ε_{shear}) is the liquefaction-induced free-field shear strain (in %) estimated using Zhang et al. (2004). It is calculated based on the estimated Dr of the liquefied soil layer and the calculated safety factor against liquefaction triggering (FSL).

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LIQUEFACTION ANALYSIS REPORT

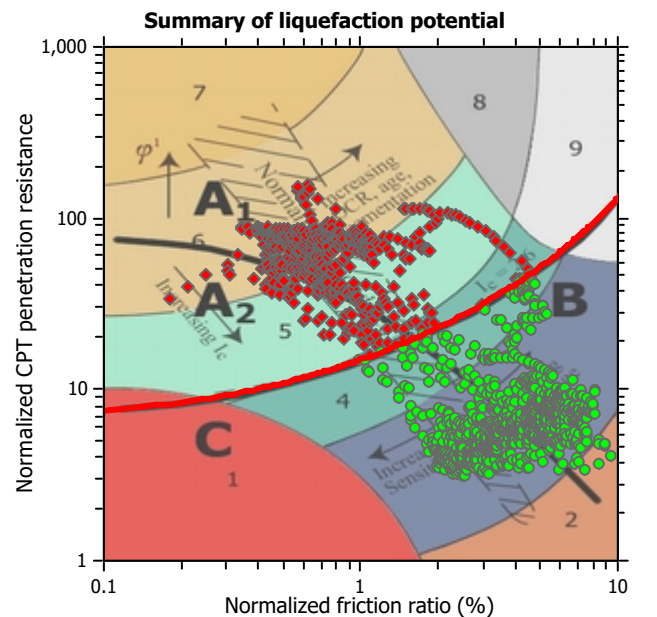
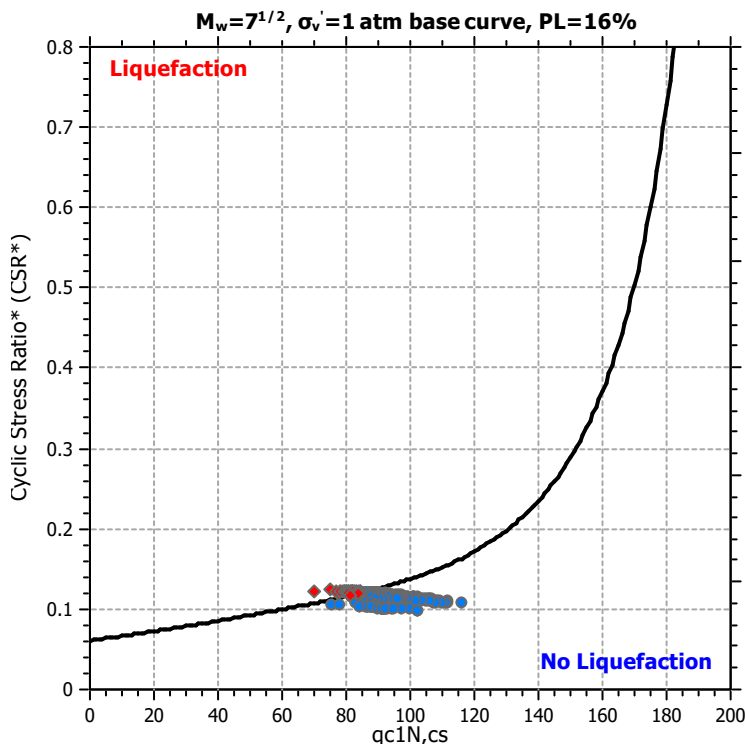
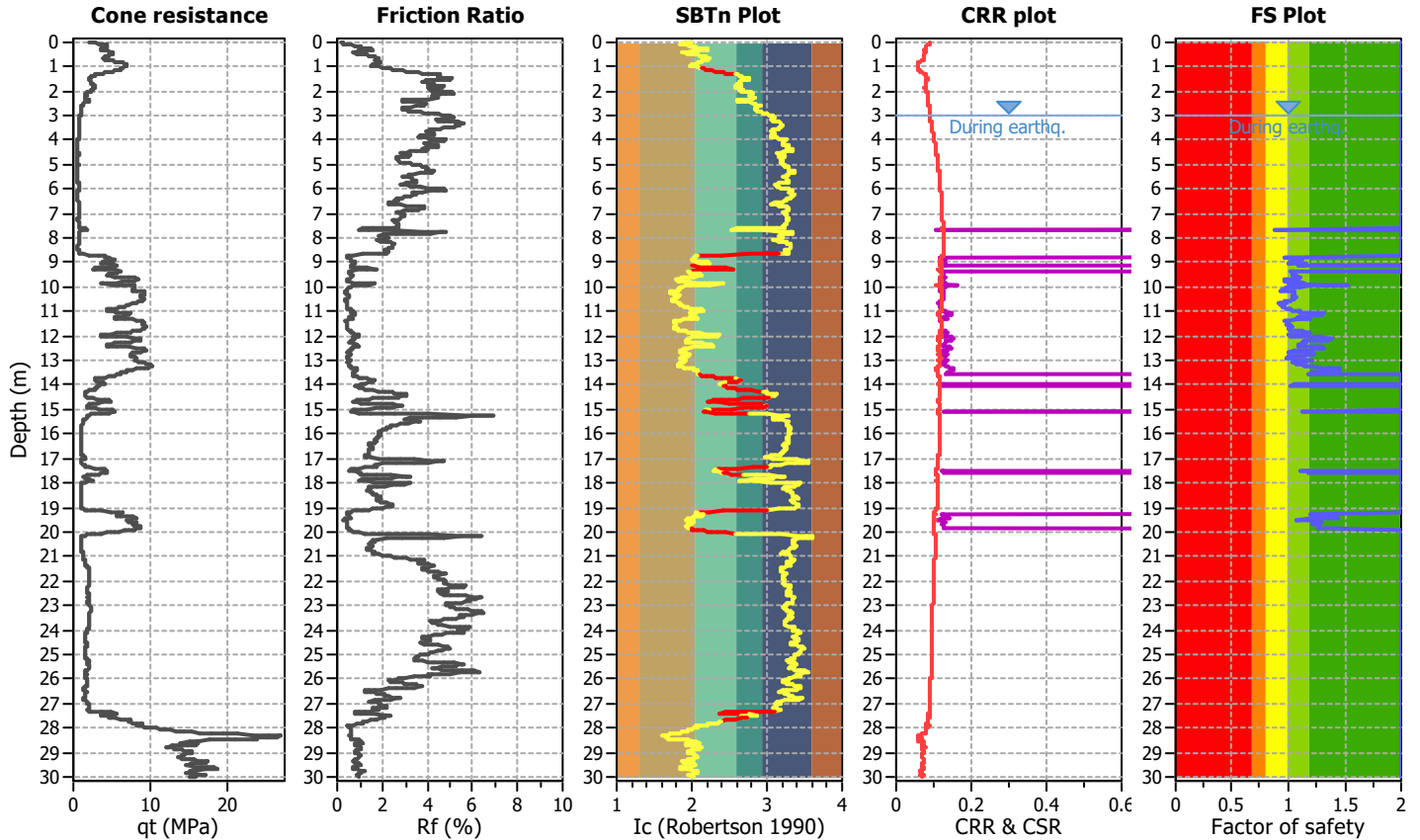
Project title :

Location :

CPT file : rif. U82-13 CPTU1 Migliaro Soc

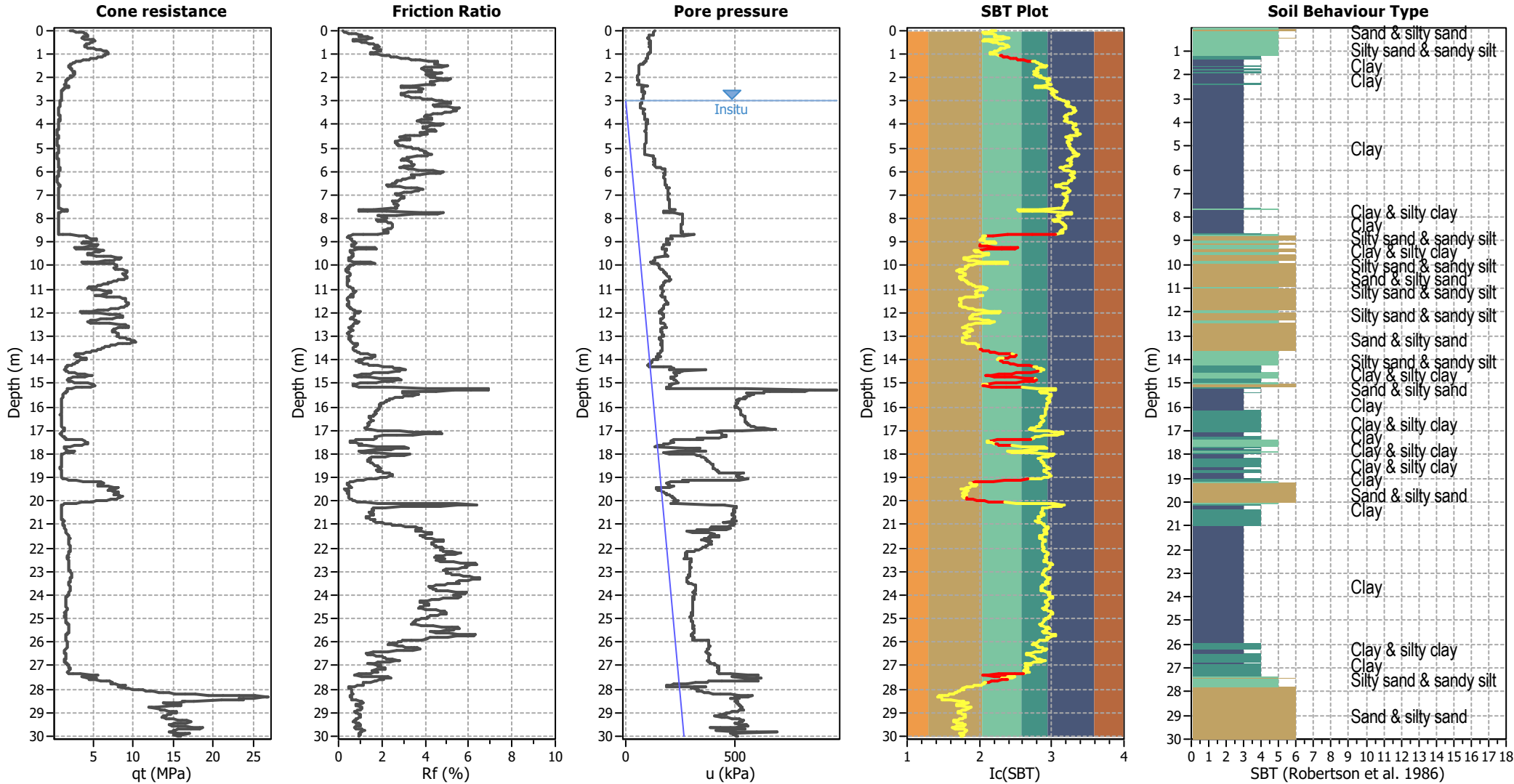
Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	3.00 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	3.00 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	5.50	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	Limit depth:	20.00 m
Peak ground acceleration:	0.14	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	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



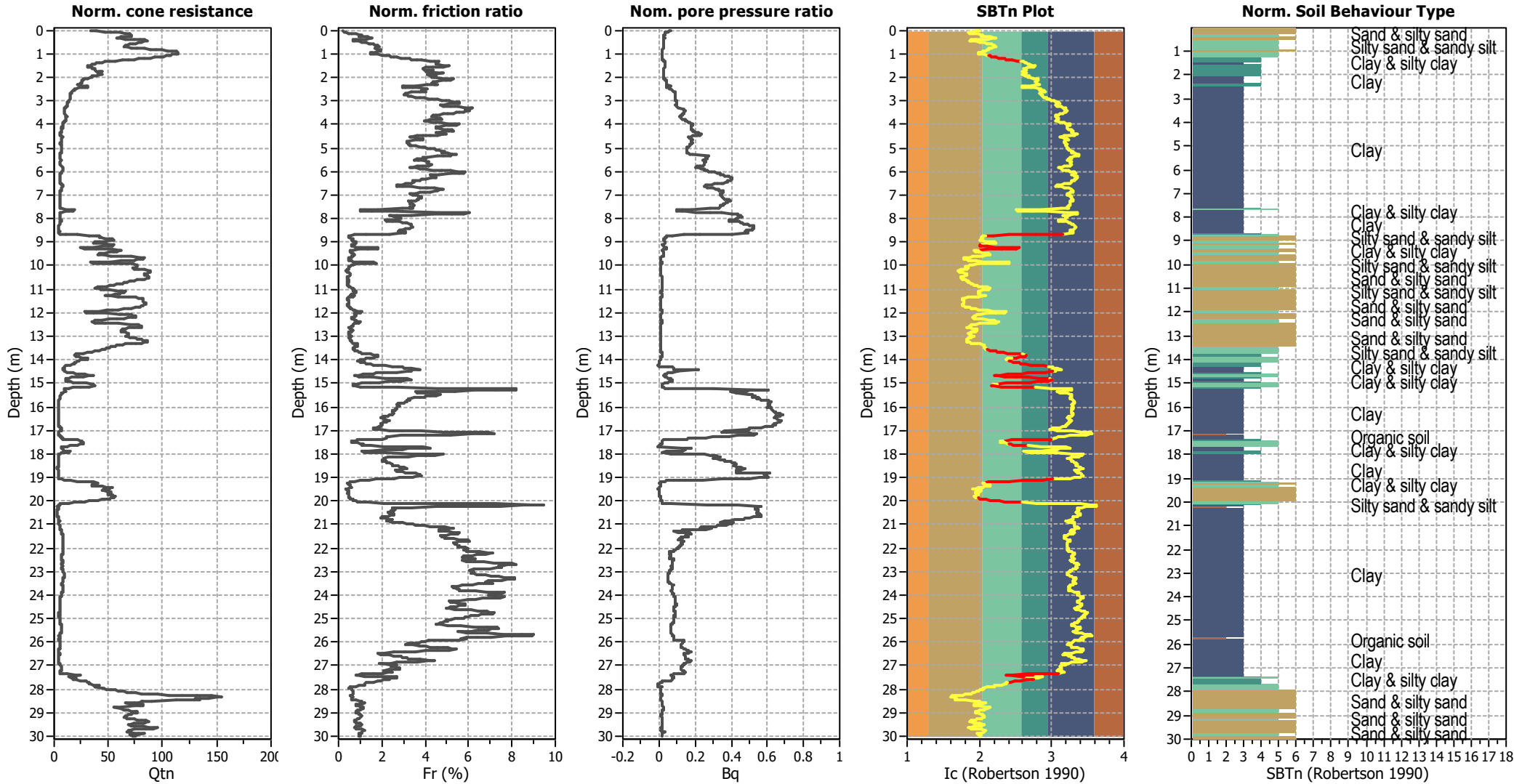
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K ₀ applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

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)



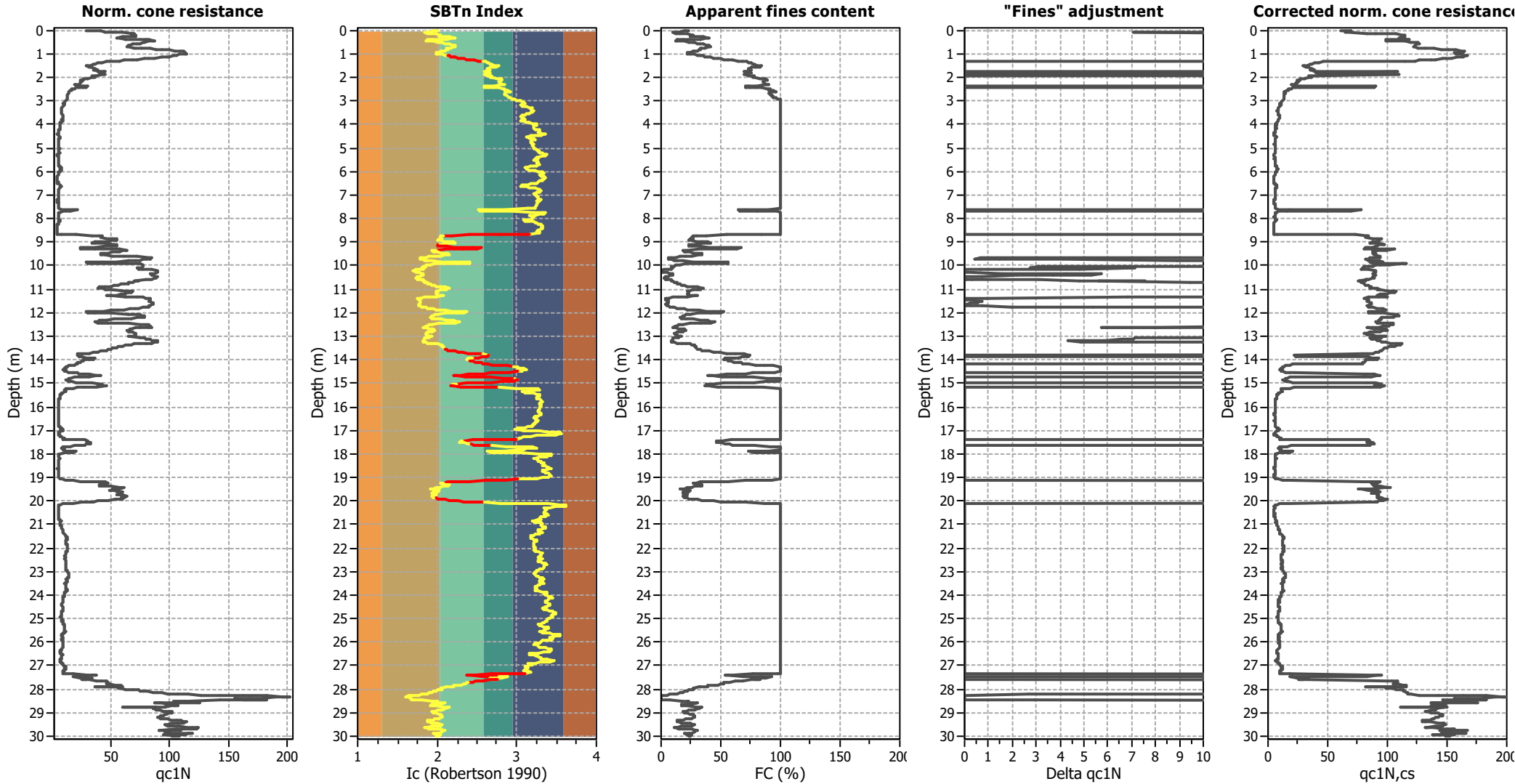
Input parameters and analysis data

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Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on I_c value	I_c cut-off value:	2.60	K_{α} applied:	Yes
Earthquake magnitude M_w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

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

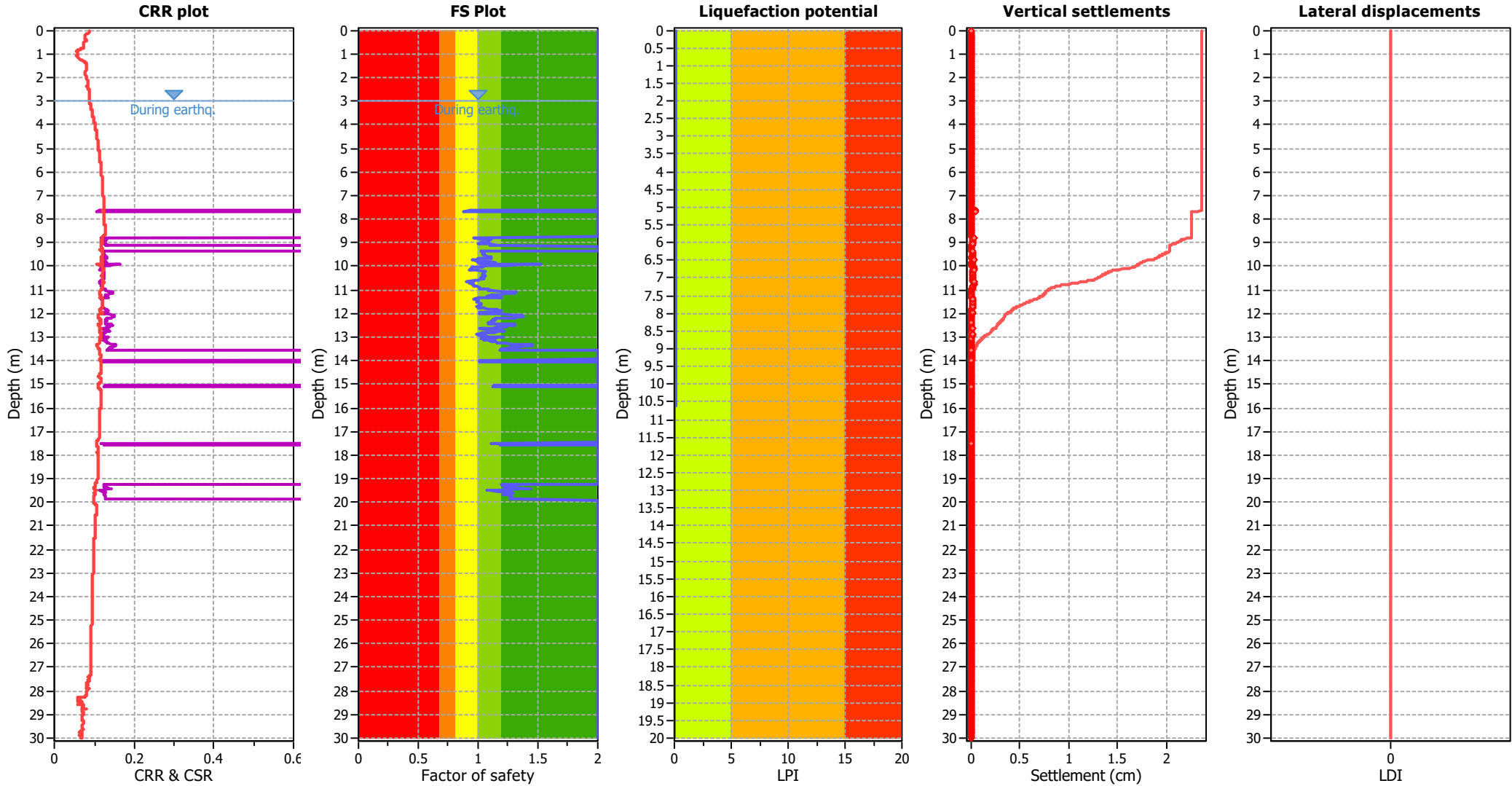
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _s applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (earthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_s applied:	Yes
Earthquake magnitude M_w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

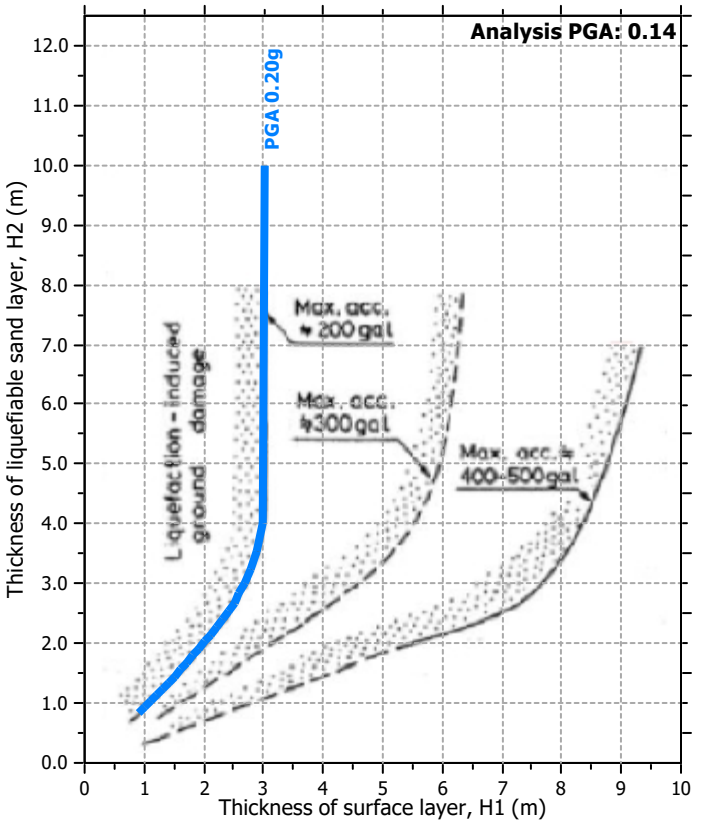
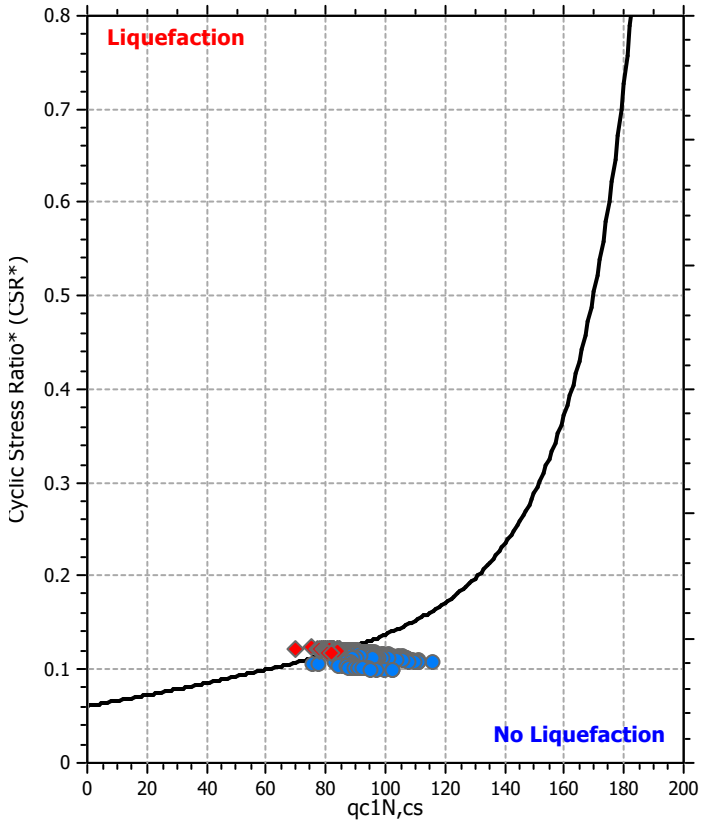
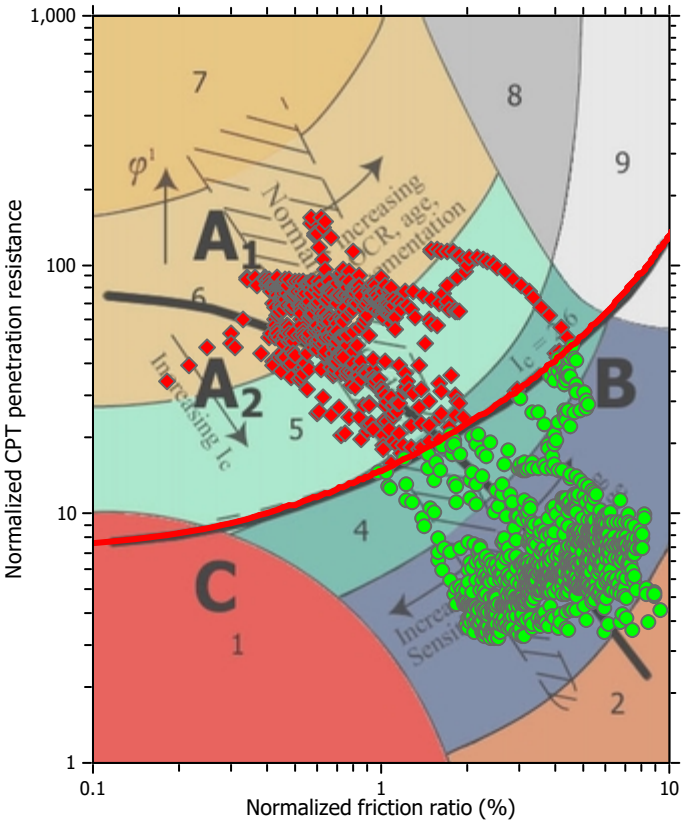
F.S. color scheme

Red	Almost certain it will liquefy
Orange	Very likely to liquefy
Yellow	Liquefaction and no liq. are equally likely
Light green	Unlike to liquefy
Dark green	Almost certain it will not liquefy

LPI color scheme

Red	Very high risk
Orange	High risk
Yellow	Low risk

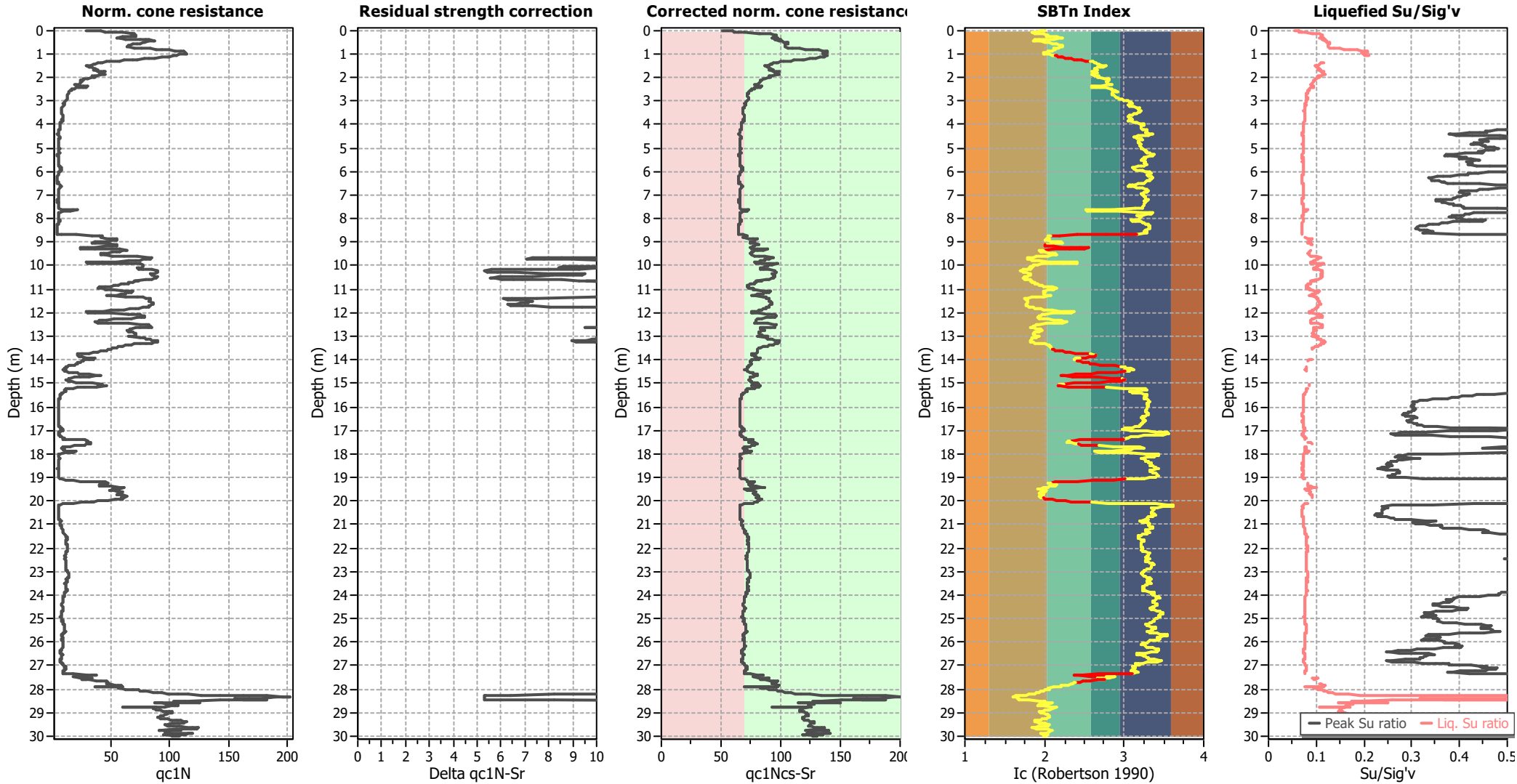
Liquefaction analysis summary plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on I_c value	I_c cut-off value:	2.60	K_s applied:	Yes
Earthquake magnitude M_w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _s applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

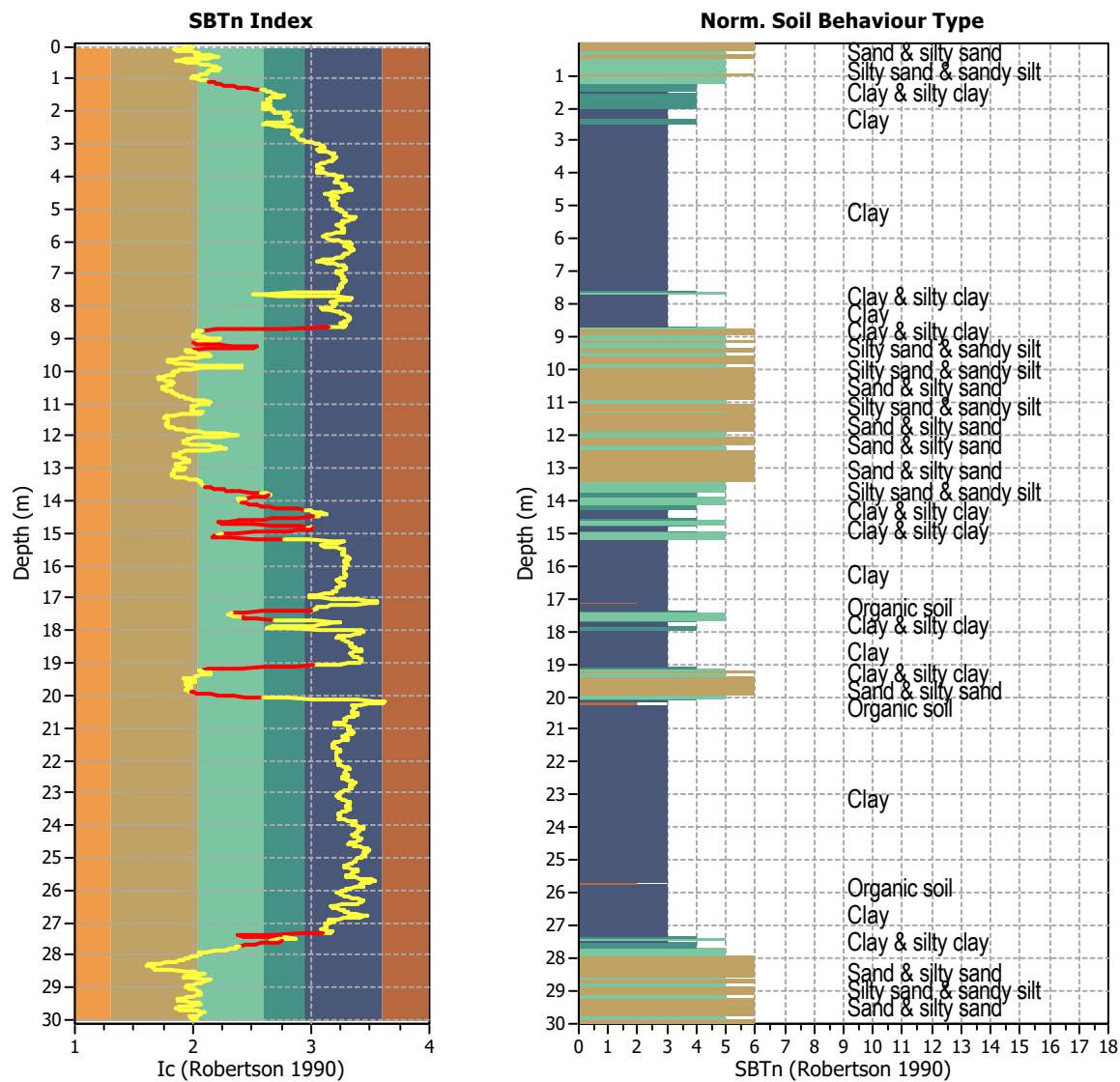
TRANSITION LAYER DETECTION ALGORITHM REPORT

Summary Details & Plots

Short description

The software will delete data when the cone is in transition from either clay to sand or vise-versa. To do this the software requires a range of I_c values over which the transition will be defined (typically somewhere between $1.80 < I_c < 3.0$) and a rate of change of I_c . Transitions typically occur when the rate of change of I_c is fast (i.e. ΔI_c is small).

The SBT_n plot below, displays in red the detected transition layers based on the parameters listed below the graphs.



Transition layer algorithm properties

I_c minimum check value: 1.70
 I_c maximum check value: 3.00
 I_c change ratio value: 0.0100
Minimum number of points in layer: 4

General statistics

Total points in CPT file: 1500
Total points excluded: 140
Exclusion percentage: 9.33%
Number of layers detected: 18

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	2.00	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	2.00	0.00	0.00	0.02	0.00	2.84	2.00	0.00	0.00	0.02	0.00
2.86	2.00	0.00	0.00	0.02	0.00	2.88	2.00	0.00	0.00	0.02	0.00
2.90	2.00	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.02	0.00	3.60	2.00	0.00	0.00	0.02	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.18	2.00	0.00	0.00	0.02	0.00	5.20	2.00	0.00	0.00	0.02	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	2.00	0.00	0.00	0.02	0.00
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00
5.98	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.02	0.00
6.02	2.00	0.00	0.00	0.02	0.00	6.04	2.00	0.00	0.00	0.02	0.00
6.06	2.00	0.00	0.00	0.02	0.00	6.08	2.00	0.00	0.00	0.02	0.00
6.10	2.00	0.00	0.00	0.02	0.00	6.12	2.00	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.70	2.00	0.00	0.00	0.02	0.00	6.72	2.00	0.00	0.00	0.02	0.00
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	2.00	0.00	0.00	0.02	0.00	6.96	2.00	0.00	0.00	0.02	0.00
6.98	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.02	0.00
7.02	2.00	0.00	0.00	0.02	0.00	7.04	2.00	0.00	0.00	0.02	0.00
7.06	2.00	0.00	0.00	0.02	0.00	7.08	2.00	0.00	0.00	0.02	0.00
7.10	2.00	0.00	0.00	0.02	0.00	7.12	2.00	0.00	0.00	0.02	0.00
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	2.00	0.00	0.00	0.02	0.00	7.48	2.00	0.00	0.00	0.02	0.00
7.50	2.00	0.00	0.00	0.02	0.00	7.52	2.00	0.00	0.00	0.02	0.00
7.54	2.00	0.00	0.00	0.02	0.00	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	2.00	0.00	0.00	0.02	0.00	7.64	0.94	0.06	33.44	0.02	0.01
7.66	0.88	0.12	3.82	0.02	0.02	7.68	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	2.00	0.00	0.00	0.02	0.00	8.12	2.00	0.00	0.00	0.02	0.00
8.14	2.00	0.00	0.00	0.02	0.00	8.16	2.00	0.00	0.00	0.02	0.00
8.18	2.00	0.00	0.00	0.02	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.02	0.00	8.24	2.00	0.00	0.00	0.02	0.00
8.26	2.00	0.00	0.00	0.02	0.00	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	0.97	0.03	757.20	0.02	0.00	8.80	0.97	0.03	404.98	0.02	0.00
8.82	0.97	0.03	496.41	0.02	0.00	8.84	1.03	0.00	0.00	0.02	0.00
8.86	1.08	0.00	0.00	0.02	0.00	8.88	1.12	0.00	0.00	0.02	0.00
8.90	1.09	0.00	0.00	0.02	0.00	8.92	1.08	0.00	0.00	0.02	0.00
8.94	1.09	0.00	0.00	0.02	0.00	8.96	1.09	0.00	0.00	0.02	0.00
8.98	1.05	0.00	0.00	0.02	0.00	9.00	1.02	0.00	0.00	0.02	0.00
9.02	1.00	0.00	0.00	0.02	0.00	9.04	1.02	0.00	0.00	0.02	0.00
9.06	1.10	0.00	0.00	0.02	0.00	9.08	1.15	0.00	0.00	0.02	0.00
9.10	1.14	0.00	0.00	0.02	0.00	9.12	1.09	0.00	0.00	0.02	0.00
9.14	2.00	0.00	0.00	0.02	0.00	9.16	2.00	0.00	0.00	0.02	0.00
9.18	2.00	0.00	0.00	0.02	0.00	9.20	2.00	0.00	0.00	0.02	0.00
9.22	2.00	0.00	0.00	0.02	0.00	9.24	2.00	0.00	0.00	0.02	0.00
9.26	2.00	0.00	0.00	0.02	0.00	9.28	2.00	0.00	0.00	0.02	0.00
9.30	2.00	0.00	0.00	0.02	0.00	9.32	2.00	0.00	0.00	0.02	0.00
9.34	2.00	0.00	0.00	0.02	0.00	9.36	2.00	0.00	0.00	0.02	0.00
9.38	1.02	0.00	0.00	0.02	0.00	9.40	1.03	0.00	0.00	0.02	0.00
9.42	1.04	0.00	0.00	0.02	0.00	9.44	1.05	0.00	0.00	0.02	0.00
9.46	1.05	0.00	0.00	0.02	0.00	9.48	1.04	0.00	0.00	0.02	0.00
9.50	1.03	0.00	0.00	0.02	0.00	9.52	1.04	0.00	0.00	0.02	0.00
9.54	1.05	0.00	0.00	0.02	0.00	9.56	1.06	0.00	0.00	0.02	0.00
9.58	1.08	0.00	0.00	0.02	0.00	9.60	1.11	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
9.62	1.10	0.00	0.00	0.02	0.00	9.64	1.11	0.00	0.00	0.02	0.00
9.66	1.03	0.00	0.00	0.02	0.00	9.68	1.01	0.00	0.00	0.02	0.00
9.70	0.98	0.02	55169.02	0.02	0.00	9.72	0.96	0.04	96.25	0.02	0.00
9.74	0.96	0.04	231.23	0.02	0.00	9.76	0.99	0.01	538231240.87	0.02	0.00
9.78	1.02	0.00	0.00	0.02	0.00	9.80	1.09	0.00	0.00	0.02	0.00
9.82	1.14	0.00	0.00	0.02	0.00	9.84	1.12	0.00	0.00	0.02	0.00
9.86	1.01	0.00	0.00	0.02	0.00	9.88	1.02	0.00	0.00	0.02	0.00
9.90	1.30	0.00	0.00	0.02	0.00	9.92	1.52	0.00	0.00	0.02	0.00
9.94	1.41	0.00	0.00	0.02	0.00	9.96	1.21	0.00	0.00	0.02	0.00
9.98	1.11	0.00	0.00	0.02	0.00	10.00	1.06	0.00	0.00	0.02	0.00
10.02	1.03	0.00	0.00	0.02	0.00	10.04	0.99	0.01	10643810.19	0.02	0.00
10.06	0.96	0.04	92.11	0.02	0.00	10.08	0.94	0.06	26.25	0.02	0.01
10.10	0.94	0.06	26.52	0.02	0.01	10.12	0.95	0.05	36.95	0.02	0.01
10.14	0.93	0.07	16.05	0.02	0.01	10.16	0.93	0.07	18.19	0.02	0.01
10.18	0.99	0.01	115323814.0160.90	0.02	0.00	10.20	1.05	0.00	0.00	0.02	0.00
10.22	1.06	0.00	0.00	0.02	0.00	10.24	1.05	0.00	0.00	0.02	0.00
10.26	1.05	0.00	0.00	0.02	0.00	10.28	1.05	0.00	0.00	0.02	0.00
10.30	1.05	0.00	0.00	0.02	0.00	10.32	1.04	0.00	0.00	0.02	0.00
10.34	1.03	0.00	0.00	0.02	0.00	10.36	1.05	0.00	0.00	0.02	0.00
10.38	1.06	0.00	0.00	0.02	0.00	10.40	1.05	0.00	0.00	0.02	0.00
10.42	1.04	0.00	0.00	0.02	0.00	10.44	1.03	0.00	0.00	0.02	0.00
10.46	1.03	0.00	0.00	0.02	0.00	10.48	1.05	0.00	0.00	0.02	0.00
10.50	1.04	0.00	0.00	0.02	0.00	10.52	1.04	0.00	0.00	0.02	0.00
10.54	1.02	0.00	0.00	0.02	0.00	10.56	1.00	0.00	558396032.5	0.02	0.00
10.58	0.98	0.02	7452.28	0.02	0.00	10.60	0.97	0.03	982.72	0.02	0.00
10.62	0.98	0.02	7451.88	0.02	0.00	10.64	0.91	0.09	6.87	0.02	0.01
10.66	0.97	0.03	606.17	0.02	0.00	10.68	0.92	0.08	11.26	0.02	0.01
10.70	0.93	0.07	16.14	0.02	0.01	10.72	0.94	0.06	28.84	0.02	0.01
10.74	0.95	0.05	40.79	0.02	0.00	10.76	0.96	0.04	93.73	0.02	0.00
10.78	0.95	0.05	55.51	0.02	0.00	10.80	0.96	0.04	112.93	0.02	0.00
10.82	0.97	0.03	527.41	0.02	0.00	10.84	0.97	0.03	946.89	0.02	0.00
10.86	0.99	0.01	3102705.75	0.02	0.00	10.88	1.01	0.00	0.00	0.02	0.00
10.90	1.01	0.00	0.00	0.02	0.00	10.92	1.01	0.00	0.00	0.02	0.00
10.94	1.01	0.00	0.00	0.02	0.00	10.96	1.04	0.00	0.00	0.02	0.00
10.98	1.08	0.00	0.00	0.02	0.00	11.00	1.10	0.00	0.00	0.02	0.00
11.02	1.09	0.00	0.00	0.02	0.00	11.04	1.10	0.00	0.00	0.02	0.00
11.06	1.22	0.00	0.00	0.02	0.00	11.08	1.28	0.00	0.00	0.02	0.00
11.10	1.32	0.00	0.00	0.02	0.00	11.12	1.30	0.00	0.00	0.02	0.00
11.14	1.24	0.00	0.00	0.02	0.00	11.16	1.22	0.00	0.00	0.02	0.00
11.18	1.19	0.00	0.00	0.02	0.00	11.20	1.16	0.00	0.00	0.02	0.00
11.22	1.11	0.00	0.00	0.02	0.00	11.24	1.08	0.00	0.00	0.02	0.00
11.26	1.09	0.00	0.00	0.02	0.00	11.28	1.07	0.00	0.00	0.02	0.00
11.30	1.10	0.00	0.00	0.02	0.00	11.32	1.19	0.00	0.00	0.02	0.00
11.34	1.09	0.00	0.00	0.02	0.00	11.36	1.00	0.00	0.00	0.02	0.00
11.38	0.96	0.04	258.32	0.02	0.00	11.40	0.98	0.02	313702.34	0.02	0.00
11.42	1.00	0.00	463722302	0.02	0.00	11.44	1.00	0.00	891545199	0.02	0.00
11.46	0.99	0.01	185246683.28.93	0.02	0.00	11.48	1.00	0.00	397222298	0.02	0.00
11.50	0.99	0.01	334164666.2202.42	0.02	0.00	11.52	0.99	0.01	208570263.81	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
11.54	1.00	0.00	0.00	0.02	0.00	11.56	1.02	0.00	0.00	0.02	0.00
11.58	1.02	0.00	0.00	0.02	0.00	11.60	1.02	0.00	0.00	0.02	0.00
11.62	1.03	0.00	0.00	0.02	0.00	11.64	1.01	0.00	0.00	0.02	0.00
11.66	1.01	0.00	0.00	0.02	0.00	11.68	1.00	0.00	955623699	0.02	0.00
11.70	0.99	0.01	4542888/5 24625.60	0.02	0.00	11.72	1.00	0.00	619269298	0.02	0.00
11.74	1.00	0.00	0.00	0.02	0.00	11.76	1.02	0.00	0.00	0.02	0.00
11.78	1.04	0.00	0.00	0.02	0.00	11.80	1.09	0.00	0.00	0.02	0.00
11.82	1.13	0.00	0.00	0.02	0.00	11.84	1.16	0.00	0.00	0.02	0.00
11.86	1.18	0.00	0.00	0.02	0.00	11.88	1.19	0.00	0.00	0.02	0.00
11.90	1.17	0.00	0.00	0.02	0.00	11.92	1.13	0.00	0.00	0.02	0.00
11.94	1.07	0.00	0.00	0.02	0.00	11.96	1.03	0.00	0.00	0.02	0.00
11.98	1.01	0.00	0.00	0.02	0.00	12.00	1.01	0.00	0.00	0.02	0.00
12.02	1.06	0.00	0.00	0.02	0.00	12.04	1.17	0.00	0.00	0.02	0.00
12.06	1.30	0.00	0.00	0.02	0.00	12.08	1.34	0.00	0.00	0.02	0.00
12.10	1.37	0.00	0.00	0.02	0.00	12.12	1.38	0.00	0.00	0.02	0.00
12.14	1.36	0.00	0.00	0.02	0.00	12.16	1.34	0.00	0.00	0.02	0.00
12.18	1.30	0.00	0.00	0.02	0.00	12.20	1.22	0.00	0.00	0.02	0.00
12.22	1.15	0.00	0.00	0.02	0.00	12.24	1.12	0.00	0.00	0.02	0.00
12.26	1.14	0.00	0.00	0.02	0.00	12.28	1.15	0.00	0.00	0.02	0.00
12.30	1.13	0.00	0.00	0.02	0.00	12.32	1.11	0.00	0.00	0.02	0.00
12.34	1.11	0.00	0.00	0.02	0.00	12.36	1.11	0.00	0.00	0.02	0.00
12.38	1.09	0.00	0.00	0.02	0.00	12.40	1.09	0.00	0.00	0.02	0.00
12.42	1.09	0.00	0.00	0.02	0.00	12.44	1.16	0.00	0.00	0.02	0.00
12.46	1.30	0.00	0.00	0.02	0.00	12.48	1.31	0.00	0.00	0.02	0.00
12.50	1.28	0.00	0.00	0.02	0.00	12.52	1.26	0.00	0.00	0.02	0.00
12.54	1.23	0.00	0.00	0.02	0.00	12.56	1.20	0.00	0.00	0.02	0.00
12.58	1.16	0.00	0.00	0.02	0.00	12.60	1.12	0.00	0.00	0.02	0.00
12.62	1.05	0.00	0.00	0.02	0.00	12.64	1.01	0.00	0.00	0.02	0.00
12.66	1.02	0.00	0.00	0.02	0.00	12.68	1.07	0.00	0.00	0.02	0.00
12.70	1.14	0.00	0.00	0.02	0.00	12.72	1.20	0.00	0.00	0.02	0.00
12.74	1.22	0.00	0.00	0.02	0.00	12.76	1.21	0.00	0.00	0.02	0.00
12.78	1.17	0.00	0.00	0.02	0.00	12.80	1.13	0.00	0.00	0.02	0.00
12.82	1.09	0.00	0.00	0.02	0.00	12.84	1.04	0.00	0.00	0.02	0.00
12.86	1.00	0.00	0.00	0.02	0.00	12.88	0.99	0.01	539278.95	0.02	0.00
12.90	0.99	0.01	235147028 675.46	0.02	0.00	12.92	1.01	0.00	0.00	0.02	0.00
12.94	1.04	0.00	0.00	0.02	0.00	12.96	1.07	0.00	0.00	0.02	0.00
12.98	1.09	0.00	0.00	0.02	0.00	13.00	1.21	0.00	0.00	0.02	0.00
13.02	1.06	0.00	0.00	0.02	0.00	13.04	1.15	0.00	0.00	0.02	0.00
13.06	1.03	0.00	0.00	0.02	0.00	13.08	1.04	0.00	0.00	0.02	0.00
13.10	1.05	0.00	0.00	0.02	0.00	13.12	1.06	0.00	0.00	0.02	0.00
13.14	1.09	0.00	0.00	0.02	0.00	13.16	1.11	0.00	0.00	0.02	0.00
13.18	1.12	0.00	0.00	0.02	0.00	13.20	1.15	0.00	0.00	0.02	0.00
13.22	1.16	0.00	0.00	0.02	0.00	13.24	1.18	0.00	0.00	0.02	0.00
13.26	1.22	0.00	0.00	0.02	0.00	13.28	1.28	0.00	0.00	0.02	0.00
13.30	1.37	0.00	0.00	0.02	0.00	13.32	1.44	0.00	0.00	0.02	0.00
13.34	1.46	0.00	0.00	0.02	0.00	13.36	1.45	0.00	0.00	0.02	0.00
13.38	1.42	0.00	0.00	0.02	0.00	13.40	1.38	0.00	0.00	0.02	0.00
13.42	1.34	0.00	0.00	0.02	0.00	13.44	1.30	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
13.46	1.26	0.00	0.00	0.02	0.00	13.48	1.23	0.00	0.00	0.02	0.00
13.50	1.21	0.00	0.00	0.02	0.00	13.52	1.20	0.00	0.00	0.02	0.00
13.54	1.19	0.00	0.00	0.02	0.00	13.56	1.18	0.00	0.00	0.02	0.00
13.58	2.00	0.00	0.00	0.02	0.00	13.60	2.00	0.00	0.00	0.02	0.00
13.62	2.00	0.00	0.00	0.02	0.00	13.64	2.00	0.00	0.00	0.02	0.00
13.66	2.00	0.00	0.00	0.02	0.00	13.68	2.00	0.00	0.00	0.02	0.00
13.70	2.00	0.00	0.00	0.02	0.00	13.72	2.00	0.00	0.00	0.02	0.00
13.74	2.00	0.00	0.00	0.02	0.00	13.76	2.00	0.00	0.00	0.02	0.00
13.78	2.00	0.00	0.00	0.02	0.00	13.80	2.00	0.00	0.00	0.02	0.00
13.82	2.00	0.00	0.00	0.02	0.00	13.84	2.00	0.00	0.00	0.02	0.00
13.86	2.00	0.00	0.00	0.02	0.00	13.88	2.00	0.00	0.00	0.02	0.00
13.90	2.00	0.00	0.00	0.02	0.00	13.92	2.00	0.00	0.00	0.02	0.00
13.94	2.00	0.00	0.00	0.02	0.00	13.96	1.13	0.00	0.00	0.02	0.00
13.98	1.09	0.00	0.00	0.02	0.00	14.00	1.04	0.00	0.00	0.02	0.00
14.02	1.02	0.00	0.00	0.02	0.00	14.04	1.02	0.00	0.00	0.02	0.00
14.06	2.00	0.00	0.00	0.02	0.00	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	2.00	0.00	0.00	0.02	0.00
14.14	2.00	0.00	0.00	0.02	0.00	14.16	2.00	0.00	0.00	0.02	0.00
14.18	2.00	0.00	0.00	0.02	0.00	14.20	2.00	0.00	0.00	0.02	0.00
14.22	2.00	0.00	0.00	0.02	0.00	14.24	2.00	0.00	0.00	0.02	0.00
14.26	2.00	0.00	0.00	0.02	0.00	14.28	2.00	0.00	0.00	0.02	0.00
14.30	2.00	0.00	0.00	0.02	0.00	14.32	2.00	0.00	0.00	0.02	0.00
14.34	2.00	0.00	0.00	0.02	0.00	14.36	2.00	0.00	0.00	0.02	0.00
14.38	2.00	0.00	0.00	0.02	0.00	14.40	2.00	0.00	0.00	0.02	0.00
14.42	2.00	0.00	0.00	0.02	0.00	14.44	2.00	0.00	0.00	0.02	0.00
14.46	2.00	0.00	0.00	0.02	0.00	14.48	2.00	0.00	0.00	0.02	0.00
14.50	2.00	0.00	0.00	0.02	0.00	14.52	2.00	0.00	0.00	0.02	0.00
14.54	2.00	0.00	0.00	0.02	0.00	14.56	2.00	0.00	0.00	0.02	0.00
14.58	2.00	0.00	0.00	0.02	0.00	14.60	2.00	0.00	0.00	0.02	0.00
14.62	2.00	0.00	0.00	0.02	0.00	14.64	2.00	0.00	0.00	0.02	0.00
14.66	2.00	0.00	0.00	0.02	0.00	14.68	2.00	0.00	0.00	0.02	0.00
14.70	2.00	0.00	0.00	0.02	0.00	14.72	2.00	0.00	0.00	0.02	0.00
14.74	2.00	0.00	0.00	0.02	0.00	14.76	2.00	0.00	0.00	0.02	0.00
14.78	2.00	0.00	0.00	0.02	0.00	14.80	2.00	0.00	0.00	0.02	0.00
14.82	2.00	0.00	0.00	0.02	0.00	14.84	2.00	0.00	0.00	0.02	0.00
14.86	2.00	0.00	0.00	0.02	0.00	14.88	2.00	0.00	0.00	0.02	0.00
14.90	2.00	0.00	0.00	0.02	0.00	14.92	2.00	0.00	0.00	0.02	0.00
14.94	2.00	0.00	0.00	0.02	0.00	14.96	2.00	0.00	0.00	0.02	0.00
14.98	2.00	0.00	0.00	0.02	0.00	15.00	2.00	0.00	0.00	0.02	0.00
15.02	2.00	0.00	0.00	0.02	0.00	15.04	2.00	0.00	0.00	0.02	0.00
15.06	1.14	0.00	0.00	0.02	0.00	15.08	1.12	0.00	0.00	0.02	0.00
15.10	2.00	0.00	0.00	0.02	0.00	15.12	2.00	0.00	0.00	0.02	0.00
15.14	2.00	0.00	0.00	0.02	0.00	15.16	2.00	0.00	0.00	0.02	0.00
15.18	2.00	0.00	0.00	0.02	0.00	15.20	2.00	0.00	0.00	0.02	0.00
15.22	2.00	0.00	0.00	0.02	0.00	15.24	2.00	0.00	0.00	0.02	0.00
15.26	2.00	0.00	0.00	0.02	0.00	15.28	2.00	0.00	0.00	0.02	0.00
15.30	2.00	0.00	0.00	0.02	0.00	15.32	2.00	0.00	0.00	0.02	0.00
15.34	2.00	0.00	0.00	0.02	0.00	15.36	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
15.38	2.00	0.00	0.00	0.02	0.00	15.40	2.00	0.00	0.00	0.02	0.00
15.42	2.00	0.00	0.00	0.02	0.00	15.44	2.00	0.00	0.00	0.02	0.00
15.46	2.00	0.00	0.00	0.02	0.00	15.48	2.00	0.00	0.00	0.02	0.00
15.50	2.00	0.00	0.00	0.02	0.00	15.52	2.00	0.00	0.00	0.02	0.00
15.54	2.00	0.00	0.00	0.02	0.00	15.56	2.00	0.00	0.00	0.02	0.00
15.58	2.00	0.00	0.00	0.02	0.00	15.60	2.00	0.00	0.00	0.02	0.00
15.62	2.00	0.00	0.00	0.02	0.00	15.64	2.00	0.00	0.00	0.02	0.00
15.66	2.00	0.00	0.00	0.02	0.00	15.68	2.00	0.00	0.00	0.02	0.00
15.70	2.00	0.00	0.00	0.02	0.00	15.72	2.00	0.00	0.00	0.02	0.00
15.74	2.00	0.00	0.00	0.02	0.00	15.76	2.00	0.00	0.00	0.02	0.00
15.78	2.00	0.00	0.00	0.02	0.00	15.80	2.00	0.00	0.00	0.02	0.00
15.82	2.00	0.00	0.00	0.02	0.00	15.84	2.00	0.00	0.00	0.02	0.00
15.86	2.00	0.00	0.00	0.02	0.00	15.88	2.00	0.00	0.00	0.02	0.00
15.90	2.00	0.00	0.00	0.02	0.00	15.92	2.00	0.00	0.00	0.02	0.00
15.94	2.00	0.00	0.00	0.02	0.00	15.96	2.00	0.00	0.00	0.02	0.00
15.98	2.00	0.00	0.00	0.02	0.00	16.00	2.00	0.00	0.00	0.02	0.00
16.02	2.00	0.00	0.00	0.02	0.00	16.04	2.00	0.00	0.00	0.02	0.00
16.06	2.00	0.00	0.00	0.02	0.00	16.08	2.00	0.00	0.00	0.02	0.00
16.10	2.00	0.00	0.00	0.02	0.00	16.12	2.00	0.00	0.00	0.02	0.00
16.14	2.00	0.00	0.00	0.02	0.00	16.16	2.00	0.00	0.00	0.02	0.00
16.18	2.00	0.00	0.00	0.02	0.00	16.20	2.00	0.00	0.00	0.02	0.00
16.22	2.00	0.00	0.00	0.02	0.00	16.24	2.00	0.00	0.00	0.02	0.00
16.26	2.00	0.00	0.00	0.02	0.00	16.28	2.00	0.00	0.00	0.02	0.00
16.30	2.00	0.00	0.00	0.02	0.00	16.32	2.00	0.00	0.00	0.02	0.00
16.34	2.00	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.42	2.00	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	2.00	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.56	2.00	0.00	0.00	0.02	0.00
16.58	2.00	0.00	0.00	0.02	0.00	16.60	2.00	0.00	0.00	0.02	0.00
16.62	2.00	0.00	0.00	0.02	0.00	16.64	2.00	0.00	0.00	0.02	0.00
16.66	2.00	0.00	0.00	0.02	0.00	16.68	2.00	0.00	0.00	0.02	0.00
16.70	2.00	0.00	0.00	0.02	0.00	16.72	2.00	0.00	0.00	0.02	0.00
16.74	2.00	0.00	0.00	0.02	0.00	16.76	2.00	0.00	0.00	0.02	0.00
16.78	2.00	0.00	0.00	0.02	0.00	16.80	2.00	0.00	0.00	0.02	0.00
16.82	2.00	0.00	0.00	0.02	0.00	16.84	2.00	0.00	0.00	0.02	0.00
16.86	2.00	0.00	0.00	0.02	0.00	16.88	2.00	0.00	0.00	0.02	0.00
16.90	2.00	0.00	0.00	0.02	0.00	16.92	2.00	0.00	0.00	0.02	0.00
16.94	2.00	0.00	0.00	0.02	0.00	16.96	2.00	0.00	0.00	0.02	0.00
16.98	2.00	0.00	0.00	0.02	0.00	17.00	2.00	0.00	0.00	0.02	0.00
17.02	2.00	0.00	0.00	0.02	0.00	17.04	2.00	0.00	0.00	0.02	0.00
17.06	2.00	0.00	0.00	0.02	0.00	17.08	2.00	0.00	0.00	0.02	0.00
17.10	2.00	0.00	0.00	0.02	0.00	17.12	2.00	0.00	0.00	0.02	0.00
17.14	2.00	0.00	0.00	0.02	0.00	17.16	2.00	0.00	0.00	0.02	0.00
17.18	2.00	0.00	0.00	0.02	0.00	17.20	2.00	0.00	0.00	0.02	0.00
17.22	2.00	0.00	0.00	0.02	0.00	17.24	2.00	0.00	0.00	0.02	0.00
17.26	2.00	0.00	0.00	0.02	0.00	17.28	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
17.30	2.00	0.00	0.00	0.02	0.00	17.32	2.00	0.00	0.00	0.02	0.00
17.34	2.00	0.00	0.00	0.02	0.00	17.36	2.00	0.00	0.00	0.02	0.00
17.38	2.00	0.00	0.00	0.02	0.00	17.40	2.00	0.00	0.00	0.02	0.00
17.42	2.00	0.00	0.00	0.02	0.00	17.44	2.00	0.00	0.00	0.02	0.00
17.46	2.00	0.00	0.00	0.02	0.00	17.48	2.00	0.00	0.00	0.02	0.00
17.50	1.10	0.00	0.00	0.02	0.00	17.52	1.14	0.00	0.00	0.02	0.00
17.54	1.17	0.00	0.00	0.02	0.00	17.56	1.18	0.00	0.00	0.02	0.00
17.58	1.18	0.00	0.00	0.02	0.00	17.60	2.00	0.00	0.00	0.02	0.00
17.62	2.00	0.00	0.00	0.02	0.00	17.64	2.00	0.00	0.00	0.02	0.00
17.66	2.00	0.00	0.00	0.02	0.00	17.68	2.00	0.00	0.00	0.02	0.00
17.70	2.00	0.00	0.00	0.02	0.00	17.72	2.00	0.00	0.00	0.02	0.00
17.74	2.00	0.00	0.00	0.02	0.00	17.76	2.00	0.00	0.00	0.02	0.00
17.78	2.00	0.00	0.00	0.02	0.00	17.80	2.00	0.00	0.00	0.02	0.00
17.82	2.00	0.00	0.00	0.02	0.00	17.84	2.00	0.00	0.00	0.02	0.00
17.86	2.00	0.00	0.00	0.02	0.00	17.88	2.00	0.00	0.00	0.02	0.00
17.90	2.00	0.00	0.00	0.02	0.00	17.92	2.00	0.00	0.00	0.02	0.00
17.94	2.00	0.00	0.00	0.02	0.00	17.96	2.00	0.00	0.00	0.02	0.00
17.98	2.00	0.00	0.00	0.02	0.00	18.00	2.00	0.00	0.00	0.02	0.00
18.02	2.00	0.00	0.00	0.02	0.00	18.04	2.00	0.00	0.00	0.02	0.00
18.06	2.00	0.00	0.00	0.02	0.00	18.08	2.00	0.00	0.00	0.02	0.00
18.10	2.00	0.00	0.00	0.02	0.00	18.12	2.00	0.00	0.00	0.02	0.00
18.14	2.00	0.00	0.00	0.02	0.00	18.16	2.00	0.00	0.00	0.02	0.00
18.18	2.00	0.00	0.00	0.02	0.00	18.20	2.00	0.00	0.00	0.02	0.00
18.22	2.00	0.00	0.00	0.02	0.00	18.24	2.00	0.00	0.00	0.02	0.00
18.26	2.00	0.00	0.00	0.02	0.00	18.28	2.00	0.00	0.00	0.02	0.00
18.30	2.00	0.00	0.00	0.02	0.00	18.32	2.00	0.00	0.00	0.02	0.00
18.34	2.00	0.00	0.00	0.02	0.00	18.36	2.00	0.00	0.00	0.02	0.00
18.38	2.00	0.00	0.00	0.02	0.00	18.40	2.00	0.00	0.00	0.02	0.00
18.42	2.00	0.00	0.00	0.02	0.00	18.44	2.00	0.00	0.00	0.02	0.00
18.46	2.00	0.00	0.00	0.02	0.00	18.48	2.00	0.00	0.00	0.02	0.00
18.50	2.00	0.00	0.00	0.02	0.00	18.52	2.00	0.00	0.00	0.02	0.00
18.54	2.00	0.00	0.00	0.02	0.00	18.56	2.00	0.00	0.00	0.02	0.00
18.58	2.00	0.00	0.00	0.02	0.00	18.60	2.00	0.00	0.00	0.02	0.00
18.62	2.00	0.00	0.00	0.02	0.00	18.64	2.00	0.00	0.00	0.02	0.00
18.66	2.00	0.00	0.00	0.02	0.00	18.68	2.00	0.00	0.00	0.02	0.00
18.70	2.00	0.00	0.00	0.02	0.00	18.72	2.00	0.00	0.00	0.02	0.00
18.74	2.00	0.00	0.00	0.02	0.00	18.76	2.00	0.00	0.00	0.02	0.00
18.78	2.00	0.00	0.00	0.02	0.00	18.80	2.00	0.00	0.00	0.02	0.00
18.82	2.00	0.00	0.00	0.02	0.00	18.84	2.00	0.00	0.00	0.02	0.00
18.86	2.00	0.00	0.00	0.02	0.00	18.88	2.00	0.00	0.00	0.02	0.00
18.90	2.00	0.00	0.00	0.02	0.00	18.92	2.00	0.00	0.00	0.02	0.00
18.94	2.00	0.00	0.00	0.02	0.00	18.96	2.00	0.00	0.00	0.02	0.00
18.98	2.00	0.00	0.00	0.02	0.00	19.00	2.00	0.00	0.00	0.02	0.00
19.02	2.00	0.00	0.00	0.02	0.00	19.04	2.00	0.00	0.00	0.02	0.00
19.06	2.00	0.00	0.00	0.02	0.00	19.08	2.00	0.00	0.00	0.02	0.00
19.10	2.00	0.00	0.00	0.02	0.00	19.12	2.00	0.00	0.00	0.02	0.00
19.14	2.00	0.00	0.00	0.02	0.00	19.16	2.00	0.00	0.00	0.02	0.00
19.18	2.00	0.00	0.00	0.02	0.00	19.20	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
19.22	2.00	0.00	0.00	0.02	0.00	19.24	2.00	0.00	0.00	0.02	0.00
19.26	1.20	0.00	0.00	0.02	0.00	19.28	1.20	0.00	0.00	0.02	0.00
19.30	1.21	0.00	0.00	0.02	0.00	19.32	1.21	0.00	0.00	0.02	0.00
19.34	1.21	0.00	0.00	0.02	0.00	19.36	1.23	0.00	0.00	0.02	0.00
19.38	1.30	0.00	0.00	0.02	0.00	19.40	1.40	0.00	0.00	0.02	0.00
19.42	1.44	0.00	0.00	0.02	0.00	19.44	1.44	0.00	0.00	0.02	0.00
19.46	1.35	0.00	0.00	0.02	0.00	19.48	1.19	0.00	0.00	0.02	0.00
19.50	1.07	0.00	0.00	0.02	0.00	19.52	1.10	0.00	0.00	0.02	0.00
19.54	1.17	0.00	0.00	0.02	0.00	19.56	1.22	0.00	0.00	0.02	0.00
19.58	1.27	0.00	0.00	0.02	0.00	19.60	1.29	0.00	0.00	0.02	0.00
19.62	1.27	0.00	0.00	0.02	0.00	19.64	1.23	0.00	0.00	0.02	0.00
19.66	1.21	0.00	0.00	0.02	0.00	19.68	1.22	0.00	0.00	0.02	0.00
19.70	1.25	0.00	0.00	0.02	0.00	19.72	1.26	0.00	0.00	0.02	0.00
19.74	1.27	0.00	0.00	0.02	0.00	19.76	1.28	0.00	0.00	0.02	0.00
19.78	1.29	0.00	0.00	0.02	0.00	19.80	1.27	0.00	0.00	0.02	0.00
19.82	1.28	0.00	0.00	0.02	0.00	19.84	1.27	0.00	0.00	0.02	0.00
19.86	1.29	0.00	0.00	0.02	0.00	19.88	1.33	0.00	0.00	0.02	0.00
19.90	2.00	0.00	0.00	0.02	0.00	19.92	2.00	0.00	0.00	0.02	0.00
19.94	2.00	0.00	0.00	0.02	0.00	19.96	2.00	0.00	0.00	0.02	0.00
19.98	2.00	0.00	0.00	0.02	0.00	20.00	2.00	0.00	0.00	0.02	0.00
20.02	2.00	0.00	0.00	0.02	0.00	20.04	2.00	0.00	0.00	0.02	0.00
20.06	2.00	0.00	0.00	0.02	0.00	20.08	2.00	0.00	0.00	0.02	0.00
20.10	2.00	0.00	0.00	0.02	0.00	20.12	2.00	0.00	0.00	0.02	0.00
20.14	2.00	0.00	0.00	0.02	0.00	20.16	2.00	0.00	0.00	0.02	0.00
20.18	2.00	0.00	0.00	0.02	0.00	20.20	2.00	0.00	0.00	0.02	0.00
20.22	2.00	0.00	0.00	0.02	0.00	20.24	2.00	0.00	0.00	0.02	0.00
20.26	2.00	0.00	0.00	0.02	0.00	20.28	2.00	0.00	0.00	0.02	0.00
20.30	2.00	0.00	0.00	0.02	0.00	20.32	2.00	0.00	0.00	0.02	0.00
20.34	2.00	0.00	0.00	0.02	0.00	20.36	2.00	0.00	0.00	0.02	0.00
20.38	2.00	0.00	0.00	0.02	0.00	20.40	2.00	0.00	0.00	0.02	0.00
20.42	2.00	0.00	0.00	0.02	0.00	20.44	2.00	0.00	0.00	0.02	0.00
20.46	2.00	0.00	0.00	0.02	0.00	20.48	2.00	0.00	0.00	0.02	0.00
20.50	2.00	0.00	0.00	0.02	0.00	20.52	2.00	0.00	0.00	0.02	0.00
20.54	2.00	0.00	0.00	0.02	0.00	20.56	2.00	0.00	0.00	0.02	0.00
20.58	2.00	0.00	0.00	0.02	0.00	20.60	2.00	0.00	0.00	0.02	0.00
20.62	2.00	0.00	0.00	0.02	0.00	20.64	2.00	0.00	0.00	0.02	0.00
20.66	2.00	0.00	0.00	0.02	0.00	20.68	2.00	0.00	0.00	0.02	0.00
20.70	2.00	0.00	0.00	0.02	0.00	20.72	2.00	0.00	0.00	0.02	0.00
20.74	2.00	0.00	0.00	0.02	0.00	20.76	2.00	0.00	0.00	0.02	0.00
20.78	2.00	0.00	0.00	0.02	0.00	20.80	2.00	0.00	0.00	0.02	0.00
20.82	2.00	0.00	0.00	0.02	0.00	20.84	2.00	0.00	0.00	0.02	0.00
20.86	2.00	0.00	0.00	0.02	0.00	20.88	2.00	0.00	0.00	0.02	0.00
20.90	2.00	0.00	0.00	0.02	0.00	20.92	2.00	0.00	0.00	0.02	0.00
20.94	2.00	0.00	0.00	0.02	0.00	20.96	2.00	0.00	0.00	0.02	0.00
20.98	2.00	0.00	0.00	0.02	0.00	21.00	2.00	0.00	0.00	0.02	0.00
21.02	2.00	0.00	0.00	0.02	0.00	21.04	2.00	0.00	0.00	0.02	0.00
21.06	2.00	0.00	0.00	0.02	0.00	21.08	2.00	0.00	0.00	0.02	0.00
21.10	2.00	0.00	0.00	0.02	0.00	21.12	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
21.14	2.00	0.00	0.00	0.02	0.00	21.16	2.00	0.00	0.00	0.02	0.00
21.18	2.00	0.00	0.00	0.02	0.00	21.20	2.00	0.00	0.00	0.02	0.00
21.22	2.00	0.00	0.00	0.02	0.00	21.24	2.00	0.00	0.00	0.02	0.00
21.26	2.00	0.00	0.00	0.02	0.00	21.28	2.00	0.00	0.00	0.02	0.00
21.30	2.00	0.00	0.00	0.02	0.00	21.32	2.00	0.00	0.00	0.02	0.00
21.34	2.00	0.00	0.00	0.02	0.00	21.36	2.00	0.00	0.00	0.02	0.00
21.38	2.00	0.00	0.00	0.02	0.00	21.40	2.00	0.00	0.00	0.02	0.00
21.42	2.00	0.00	0.00	0.02	0.00	21.44	2.00	0.00	0.00	0.02	0.00
21.46	2.00	0.00	0.00	0.02	0.00	21.48	2.00	0.00	0.00	0.02	0.00
21.50	2.00	0.00	0.00	0.02	0.00	21.52	2.00	0.00	0.00	0.02	0.00
21.54	2.00	0.00	0.00	0.02	0.00	21.56	2.00	0.00	0.00	0.02	0.00
21.58	2.00	0.00	0.00	0.02	0.00	21.60	2.00	0.00	0.00	0.02	0.00
21.62	2.00	0.00	0.00	0.02	0.00	21.64	2.00	0.00	0.00	0.02	0.00
21.66	2.00	0.00	0.00	0.02	0.00	21.68	2.00	0.00	0.00	0.02	0.00
21.70	2.00	0.00	0.00	0.02	0.00	21.72	2.00	0.00	0.00	0.02	0.00
21.74	2.00	0.00	0.00	0.02	0.00	21.76	2.00	0.00	0.00	0.02	0.00
21.78	2.00	0.00	0.00	0.02	0.00	21.80	2.00	0.00	0.00	0.02	0.00
21.82	2.00	0.00	0.00	0.02	0.00	21.84	2.00	0.00	0.00	0.02	0.00
21.86	2.00	0.00	0.00	0.02	0.00	21.88	2.00	0.00	0.00	0.02	0.00
21.90	2.00	0.00	0.00	0.02	0.00	21.92	2.00	0.00	0.00	0.02	0.00
21.94	2.00	0.00	0.00	0.02	0.00	21.96	2.00	0.00	0.00	0.02	0.00
21.98	2.00	0.00	0.00	0.02	0.00	22.00	2.00	0.00	0.00	0.02	0.00
22.02	2.00	0.00	0.00	0.02	0.00	22.04	2.00	0.00	0.00	0.02	0.00
22.06	2.00	0.00	0.00	0.02	0.00	22.08	2.00	0.00	0.00	0.02	0.00
22.10	2.00	0.00	0.00	0.02	0.00	22.12	2.00	0.00	0.00	0.02	0.00
22.14	2.00	0.00	0.00	0.02	0.00	22.16	2.00	0.00	0.00	0.02	0.00
22.18	2.00	0.00	0.00	0.02	0.00	22.20	2.00	0.00	0.00	0.02	0.00
22.22	2.00	0.00	0.00	0.02	0.00	22.24	2.00	0.00	0.00	0.02	0.00
22.26	2.00	0.00	0.00	0.02	0.00	22.28	2.00	0.00	0.00	0.02	0.00
22.30	2.00	0.00	0.00	0.02	0.00	22.32	2.00	0.00	0.00	0.02	0.00
22.34	2.00	0.00	0.00	0.02	0.00	22.36	2.00	0.00	0.00	0.02	0.00
22.38	2.00	0.00	0.00	0.02	0.00	22.40	2.00	0.00	0.00	0.02	0.00
22.42	2.00	0.00	0.00	0.02	0.00	22.44	2.00	0.00	0.00	0.02	0.00
22.46	2.00	0.00	0.00	0.02	0.00	22.48	2.00	0.00	0.00	0.02	0.00
22.50	2.00	0.00	0.00	0.02	0.00	22.52	2.00	0.00	0.00	0.02	0.00
22.54	2.00	0.00	0.00	0.02	0.00	22.56	2.00	0.00	0.00	0.02	0.00
22.58	2.00	0.00	0.00	0.02	0.00	22.60	2.00	0.00	0.00	0.02	0.00
22.62	2.00	0.00	0.00	0.02	0.00	22.64	2.00	0.00	0.00	0.02	0.00
22.66	2.00	0.00	0.00	0.02	0.00	22.68	2.00	0.00	0.00	0.02	0.00
22.70	2.00	0.00	0.00	0.02	0.00	22.72	2.00	0.00	0.00	0.02	0.00
22.74	2.00	0.00	0.00	0.02	0.00	22.76	2.00	0.00	0.00	0.02	0.00
22.78	2.00	0.00	0.00	0.02	0.00	22.80	2.00	0.00	0.00	0.02	0.00
22.82	2.00	0.00	0.00	0.02	0.00	22.84	2.00	0.00	0.00	0.02	0.00
22.86	2.00	0.00	0.00	0.02	0.00	22.88	2.00	0.00	0.00	0.02	0.00
22.90	2.00	0.00	0.00	0.02	0.00	22.92	2.00	0.00	0.00	0.02	0.00
22.94	2.00	0.00	0.00	0.02	0.00	22.96	2.00	0.00	0.00	0.02	0.00
22.98	2.00	0.00	0.00	0.02	0.00	23.00	2.00	0.00	0.00	0.02	0.00
23.02	2.00	0.00	0.00	0.02	0.00	23.04	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
23.06	2.00	0.00	0.00	0.02	0.00	23.08	2.00	0.00	0.00	0.02	0.00
23.10	2.00	0.00	0.00	0.02	0.00	23.12	2.00	0.00	0.00	0.02	0.00
23.14	2.00	0.00	0.00	0.02	0.00	23.16	2.00	0.00	0.00	0.02	0.00
23.18	2.00	0.00	0.00	0.02	0.00	23.20	2.00	0.00	0.00	0.02	0.00
23.22	2.00	0.00	0.00	0.02	0.00	23.24	2.00	0.00	0.00	0.02	0.00
23.26	2.00	0.00	0.00	0.02	0.00	23.28	2.00	0.00	0.00	0.02	0.00
23.30	2.00	0.00	0.00	0.02	0.00	23.32	2.00	0.00	0.00	0.02	0.00
23.34	2.00	0.00	0.00	0.02	0.00	23.36	2.00	0.00	0.00	0.02	0.00
23.38	2.00	0.00	0.00	0.02	0.00	23.40	2.00	0.00	0.00	0.02	0.00
23.42	2.00	0.00	0.00	0.02	0.00	23.44	2.00	0.00	0.00	0.02	0.00
23.46	2.00	0.00	0.00	0.02	0.00	23.48	2.00	0.00	0.00	0.02	0.00
23.50	2.00	0.00	0.00	0.02	0.00	23.52	2.00	0.00	0.00	0.02	0.00
23.54	2.00	0.00	0.00	0.02	0.00	23.56	2.00	0.00	0.00	0.02	0.00
23.58	2.00	0.00	0.00	0.02	0.00	23.60	2.00	0.00	0.00	0.02	0.00
23.62	2.00	0.00	0.00	0.02	0.00	23.64	2.00	0.00	0.00	0.02	0.00
23.66	2.00	0.00	0.00	0.02	0.00	23.68	2.00	0.00	0.00	0.02	0.00
23.70	2.00	0.00	0.00	0.02	0.00	23.72	2.00	0.00	0.00	0.02	0.00
23.74	2.00	0.00	0.00	0.02	0.00	23.76	2.00	0.00	0.00	0.02	0.00
23.78	2.00	0.00	0.00	0.02	0.00	23.80	2.00	0.00	0.00	0.02	0.00
23.82	2.00	0.00	0.00	0.02	0.00	23.84	2.00	0.00	0.00	0.02	0.00
23.86	2.00	0.00	0.00	0.02	0.00	23.88	2.00	0.00	0.00	0.02	0.00
23.90	2.00	0.00	0.00	0.02	0.00	23.92	2.00	0.00	0.00	0.02	0.00
23.94	2.00	0.00	0.00	0.02	0.00	23.96	2.00	0.00	0.00	0.02	0.00
23.98	2.00	0.00	0.00	0.02	0.00	24.00	2.00	0.00	0.00	0.02	0.00
24.02	2.00	0.00	0.00	0.02	0.00	24.04	2.00	0.00	0.00	0.02	0.00
24.06	2.00	0.00	0.00	0.02	0.00	24.08	2.00	0.00	0.00	0.02	0.00
24.10	2.00	0.00	0.00	0.02	0.00	24.12	2.00	0.00	0.00	0.02	0.00
24.14	2.00	0.00	0.00	0.02	0.00	24.16	2.00	0.00	0.00	0.02	0.00
24.18	2.00	0.00	0.00	0.02	0.00	24.20	2.00	0.00	0.00	0.02	0.00
24.22	2.00	0.00	0.00	0.02	0.00	24.24	2.00	0.00	0.00	0.02	0.00
24.26	2.00	0.00	0.00	0.02	0.00	24.28	2.00	0.00	0.00	0.02	0.00
24.30	2.00	0.00	0.00	0.02	0.00	24.32	2.00	0.00	0.00	0.02	0.00
24.34	2.00	0.00	0.00	0.02	0.00	24.36	2.00	0.00	0.00	0.02	0.00
24.38	2.00	0.00	0.00	0.02	0.00	24.40	2.00	0.00	0.00	0.02	0.00
24.42	2.00	0.00	0.00	0.02	0.00	24.44	2.00	0.00	0.00	0.02	0.00
24.46	2.00	0.00	0.00	0.02	0.00	24.48	2.00	0.00	0.00	0.02	0.00
24.50	2.00	0.00	0.00	0.02	0.00	24.52	2.00	0.00	0.00	0.02	0.00
24.54	2.00	0.00	0.00	0.02	0.00	24.56	2.00	0.00	0.00	0.02	0.00
24.58	2.00	0.00	0.00	0.02	0.00	24.60	2.00	0.00	0.00	0.02	0.00
24.62	2.00	0.00	0.00	0.02	0.00	24.64	2.00	0.00	0.00	0.02	0.00
24.66	2.00	0.00	0.00	0.02	0.00	24.68	2.00	0.00	0.00	0.02	0.00
24.70	2.00	0.00	0.00	0.02	0.00	24.72	2.00	0.00	0.00	0.02	0.00
24.74	2.00	0.00	0.00	0.02	0.00	24.76	2.00	0.00	0.00	0.02	0.00
24.78	2.00	0.00	0.00	0.02	0.00	24.80	2.00	0.00	0.00	0.02	0.00
24.82	2.00	0.00	0.00	0.02	0.00	24.84	2.00	0.00	0.00	0.02	0.00
24.86	2.00	0.00	0.00	0.02	0.00	24.88	2.00	0.00	0.00	0.02	0.00
24.90	2.00	0.00	0.00	0.02	0.00	24.92	2.00	0.00	0.00	0.02	0.00
24.94	2.00	0.00	0.00	0.02	0.00	24.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
24.98	2.00	0.00	0.00	0.02	0.00	25.00	2.00	0.00	0.00	0.02	0.00
25.02	2.00	0.00	0.00	0.02	0.00	25.04	2.00	0.00	0.00	0.02	0.00
25.06	2.00	0.00	0.00	0.02	0.00	25.08	2.00	0.00	0.00	0.02	0.00
25.10	2.00	0.00	0.00	0.02	0.00	25.12	2.00	0.00	0.00	0.02	0.00
25.14	2.00	0.00	0.00	0.02	0.00	25.16	2.00	0.00	0.00	0.02	0.00
25.18	2.00	0.00	0.00	0.02	0.00	25.20	2.00	0.00	0.00	0.02	0.00
25.22	2.00	0.00	0.00	0.02	0.00	25.24	2.00	0.00	0.00	0.02	0.00
25.26	2.00	0.00	0.00	0.02	0.00	25.28	2.00	0.00	0.00	0.02	0.00
25.30	2.00	0.00	0.00	0.02	0.00	25.32	2.00	0.00	0.00	0.02	0.00
25.34	2.00	0.00	0.00	0.02	0.00	25.36	2.00	0.00	0.00	0.02	0.00
25.38	2.00	0.00	0.00	0.02	0.00	25.40	2.00	0.00	0.00	0.02	0.00
25.42	2.00	0.00	0.00	0.02	0.00	25.44	2.00	0.00	0.00	0.02	0.00
25.46	2.00	0.00	0.00	0.02	0.00	25.48	2.00	0.00	0.00	0.02	0.00
25.50	2.00	0.00	0.00	0.02	0.00	25.52	2.00	0.00	0.00	0.02	0.00
25.54	2.00	0.00	0.00	0.02	0.00	25.56	2.00	0.00	0.00	0.02	0.00
25.58	2.00	0.00	0.00	0.02	0.00	25.60	2.00	0.00	0.00	0.02	0.00
25.62	2.00	0.00	0.00	0.02	0.00	25.64	2.00	0.00	0.00	0.02	0.00
25.66	2.00	0.00	0.00	0.02	0.00	25.68	2.00	0.00	0.00	0.02	0.00
25.70	2.00	0.00	0.00	0.02	0.00	25.72	2.00	0.00	0.00	0.02	0.00
25.74	2.00	0.00	0.00	0.02	0.00	25.76	2.00	0.00	0.00	0.02	0.00
25.78	2.00	0.00	0.00	0.02	0.00	25.80	2.00	0.00	0.00	0.02	0.00
25.82	2.00	0.00	0.00	0.02	0.00	25.84	2.00	0.00	0.00	0.02	0.00
25.86	2.00	0.00	0.00	0.02	0.00	25.88	2.00	0.00	0.00	0.02	0.00
25.90	2.00	0.00	0.00	0.02	0.00	25.92	2.00	0.00	0.00	0.02	0.00
25.94	2.00	0.00	0.00	0.02	0.00	25.96	2.00	0.00	0.00	0.02	0.00
25.98	2.00	0.00	0.00	0.02	0.00	26.00	2.00	0.00	0.00	0.02	0.00
26.02	2.00	0.00	0.00	0.02	0.00	26.04	2.00	0.00	0.00	0.02	0.00
26.06	2.00	0.00	0.00	0.02	0.00	26.08	2.00	0.00	0.00	0.02	0.00
26.10	2.00	0.00	0.00	0.02	0.00	26.12	2.00	0.00	0.00	0.02	0.00
26.14	2.00	0.00	0.00	0.02	0.00	26.16	2.00	0.00	0.00	0.02	0.00
26.18	2.00	0.00	0.00	0.02	0.00	26.20	2.00	0.00	0.00	0.02	0.00
26.22	2.00	0.00	0.00	0.02	0.00	26.24	2.00	0.00	0.00	0.02	0.00
26.26	2.00	0.00	0.00	0.02	0.00	26.28	2.00	0.00	0.00	0.02	0.00
26.30	2.00	0.00	0.00	0.02	0.00	26.32	2.00	0.00	0.00	0.02	0.00
26.34	2.00	0.00	0.00	0.02	0.00	26.36	2.00	0.00	0.00	0.02	0.00
26.38	2.00	0.00	0.00	0.02	0.00	26.40	2.00	0.00	0.00	0.02	0.00
26.42	2.00	0.00	0.00	0.02	0.00	26.44	2.00	0.00	0.00	0.02	0.00
26.46	2.00	0.00	0.00	0.02	0.00	26.48	2.00	0.00	0.00	0.02	0.00
26.50	2.00	0.00	0.00	0.02	0.00	26.52	2.00	0.00	0.00	0.02	0.00
26.54	2.00	0.00	0.00	0.02	0.00	26.56	2.00	0.00	0.00	0.02	0.00
26.58	2.00	0.00	0.00	0.02	0.00	26.60	2.00	0.00	0.00	0.02	0.00
26.62	2.00	0.00	0.00	0.02	0.00	26.64	2.00	0.00	0.00	0.02	0.00
26.66	2.00	0.00	0.00	0.02	0.00	26.68	2.00	0.00	0.00	0.02	0.00
26.70	2.00	0.00	0.00	0.02	0.00	26.72	2.00	0.00	0.00	0.02	0.00
26.74	2.00	0.00	0.00	0.02	0.00	26.76	2.00	0.00	0.00	0.02	0.00
26.78	2.00	0.00	0.00	0.02	0.00	26.80	2.00	0.00	0.00	0.02	0.00
26.82	2.00	0.00	0.00	0.02	0.00	26.84	2.00	0.00	0.00	0.02	0.00
26.86	2.00	0.00	0.00	0.02	0.00	26.88	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
26.90	2.00	0.00	0.00	0.02	0.00	26.92	2.00	0.00	0.00	0.02	0.00
26.94	2.00	0.00	0.00	0.02	0.00	26.96	2.00	0.00	0.00	0.02	0.00
26.98	2.00	0.00	0.00	0.02	0.00	27.00	2.00	0.00	0.00	0.02	0.00
27.02	2.00	0.00	0.00	0.02	0.00	27.04	2.00	0.00	0.00	0.02	0.00
27.06	2.00	0.00	0.00	0.02	0.00	27.08	2.00	0.00	0.00	0.02	0.00
27.10	2.00	0.00	0.00	0.02	0.00	27.12	2.00	0.00	0.00	0.02	0.00
27.14	2.00	0.00	0.00	0.02	0.00	27.16	2.00	0.00	0.00	0.02	0.00
27.18	2.00	0.00	0.00	0.02	0.00	27.20	2.00	0.00	0.00	0.02	0.00
27.22	2.00	0.00	0.00	0.02	0.00	27.24	2.00	0.00	0.00	0.02	0.00
27.26	2.00	0.00	0.00	0.02	0.00	27.28	2.00	0.00	0.00	0.02	0.00
27.30	2.00	0.00	0.00	0.02	0.00	27.32	2.00	0.00	0.00	0.02	0.00
27.34	2.00	0.00	0.00	0.02	0.00	27.36	2.00	0.00	0.00	0.02	0.00
27.38	2.00	0.00	0.00	0.02	0.00	27.40	2.00	0.00	0.00	0.02	0.00
27.42	2.00	0.00	0.00	0.02	0.00	27.44	2.00	0.00	0.00	0.02	0.00
27.46	2.00	0.00	0.00	0.02	0.00	27.48	2.00	0.00	0.00	0.02	0.00
27.50	2.00	0.00	0.00	0.02	0.00	27.52	2.00	0.00	0.00	0.02	0.00
27.54	2.00	0.00	0.00	0.02	0.00	27.56	2.00	0.00	0.00	0.02	0.00
27.58	2.00	0.00	0.00	0.02	0.00	27.60	2.00	0.00	0.00	0.02	0.00
27.62	2.00	0.00	0.00	0.02	0.00	27.64	2.00	0.00	0.00	0.02	0.00
27.66	2.00	0.00	0.00	0.02	0.00	27.68	2.00	0.00	0.00	0.02	0.00
27.70	2.00	0.00	0.00	0.02	0.00	27.72	2.00	0.00	0.00	0.02	0.00
27.74	2.00	0.00	0.00	0.02	0.00	27.76	2.00	0.00	0.00	0.02	0.00
27.78	2.00	0.00	0.00	0.02	0.00	27.80	2.00	0.00	0.00	0.02	0.00
27.82	2.00	0.00	0.00	0.02	0.00	27.84	2.00	0.00	0.00	0.02	0.00
27.86	2.00	0.00	0.00	0.02	0.00	27.88	2.00	0.00	0.00	0.02	0.00
27.90	2.00	0.00	0.00	0.02	0.00	27.92	2.00	0.00	0.00	0.02	0.00
27.94	2.00	0.00	0.00	0.02	0.00	27.96	2.00	0.00	0.00	0.02	0.00
27.98	2.00	0.00	0.00	0.02	0.00	28.00	2.00	0.00	0.00	0.02	0.00
28.02	2.00	0.00	0.00	0.02	0.00	28.04	2.00	0.00	0.00	0.02	0.00
28.06	2.00	0.00	0.00	0.02	0.00	28.08	2.00	0.00	0.00	0.02	0.00
28.10	2.00	0.00	0.00	0.02	0.00	28.12	2.00	0.00	0.00	0.02	0.00
28.14	2.00	0.00	0.00	0.02	0.00	28.16	2.00	0.00	0.00	0.02	0.00
28.18	2.00	0.00	0.00	0.02	0.00	28.20	2.00	0.00	0.00	0.02	0.00
28.22	2.00	0.00	0.00	0.02	0.00	28.24	2.00	0.00	0.00	0.02	0.00
28.26	2.00	0.00	0.00	0.02	0.00	28.28	2.00	0.00	0.00	0.02	0.00
28.30	2.00	0.00	0.00	0.02	0.00	28.32	2.00	0.00	0.00	0.02	0.00
28.34	2.00	0.00	0.00	0.02	0.00	28.36	2.00	0.00	0.00	0.02	0.00
28.38	2.00	0.00	0.00	0.02	0.00	28.40	2.00	0.00	0.00	0.02	0.00
28.42	2.00	0.00	0.00	0.02	0.00	28.44	2.00	0.00	0.00	0.02	0.00
28.46	2.00	0.00	0.00	0.02	0.00	28.48	2.00	0.00	0.00	0.02	0.00
28.50	2.00	0.00	0.00	0.02	0.00	28.52	2.00	0.00	0.00	0.02	0.00
28.54	2.00	0.00	0.00	0.02	0.00	28.56	2.00	0.00	0.00	0.02	0.00
28.58	2.00	0.00	0.00	0.02	0.00	28.60	2.00	0.00	0.00	0.02	0.00
28.62	2.00	0.00	0.00	0.02	0.00	28.64	2.00	0.00	0.00	0.02	0.00
28.66	2.00	0.00	0.00	0.02	0.00	28.68	2.00	0.00	0.00	0.02	0.00
28.70	2.00	0.00	0.00	0.02	0.00	28.72	2.00	0.00	0.00	0.02	0.00
28.74	2.00	0.00	0.00	0.02	0.00	28.76	2.00	0.00	0.00	0.02	0.00
28.78	2.00	0.00	0.00	0.02	0.00	28.80	2.00	0.00	0.00	0.02	0.00

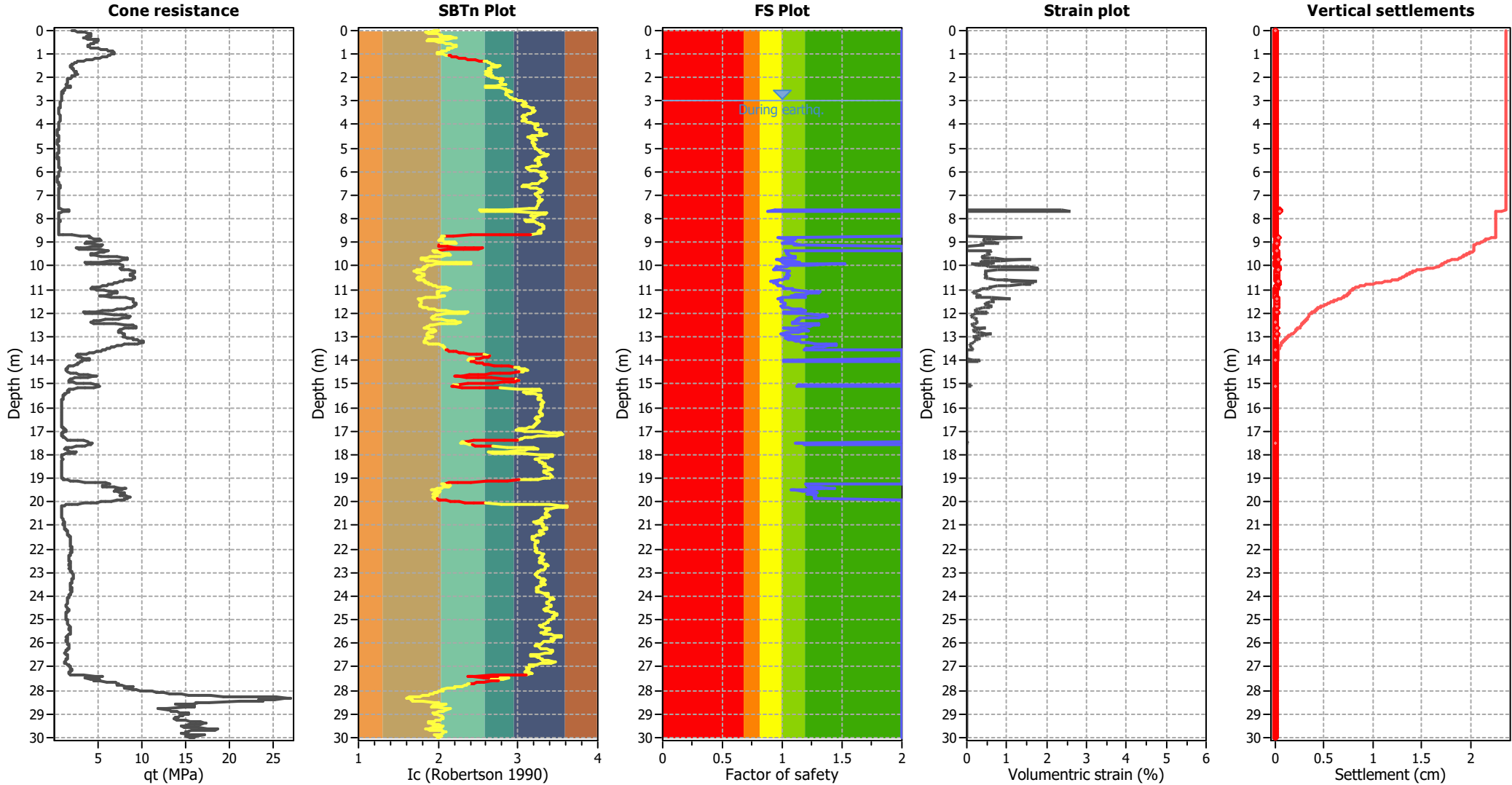
:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
28.82	2.00	0.00	0.00	0.02	0.00	28.84	2.00	0.00	0.00	0.02	0.00
28.86	2.00	0.00	0.00	0.02	0.00	28.88	2.00	0.00	0.00	0.02	0.00
28.90	2.00	0.00	0.00	0.02	0.00	28.92	2.00	0.00	0.00	0.02	0.00
28.94	2.00	0.00	0.00	0.02	0.00	28.96	2.00	0.00	0.00	0.02	0.00
28.98	2.00	0.00	0.00	0.02	0.00	29.00	2.00	0.00	0.00	0.02	0.00
29.02	2.00	0.00	0.00	0.02	0.00	29.04	2.00	0.00	0.00	0.02	0.00
29.06	2.00	0.00	0.00	0.02	0.00	29.08	2.00	0.00	0.00	0.02	0.00
29.10	2.00	0.00	0.00	0.02	0.00	29.12	2.00	0.00	0.00	0.02	0.00
29.14	2.00	0.00	0.00	0.02	0.00	29.16	2.00	0.00	0.00	0.02	0.00
29.18	2.00	0.00	0.00	0.02	0.00	29.20	2.00	0.00	0.00	0.02	0.00
29.22	2.00	0.00	0.00	0.02	0.00	29.24	2.00	0.00	0.00	0.02	0.00
29.26	2.00	0.00	0.00	0.02	0.00	29.28	2.00	0.00	0.00	0.02	0.00
29.30	2.00	0.00	0.00	0.02	0.00	29.32	2.00	0.00	0.00	0.02	0.00
29.34	2.00	0.00	0.00	0.02	0.00	29.36	2.00	0.00	0.00	0.02	0.00
29.38	2.00	0.00	0.00	0.02	0.00	29.40	2.00	0.00	0.00	0.02	0.00
29.42	2.00	0.00	0.00	0.02	0.00	29.44	2.00	0.00	0.00	0.02	0.00
29.46	2.00	0.00	0.00	0.02	0.00	29.48	2.00	0.00	0.00	0.02	0.00
29.50	2.00	0.00	0.00	0.02	0.00	29.52	2.00	0.00	0.00	0.02	0.00
29.54	2.00	0.00	0.00	0.02	0.00	29.56	2.00	0.00	0.00	0.02	0.00
29.58	2.00	0.00	0.00	0.02	0.00	29.60	2.00	0.00	0.00	0.02	0.00
29.62	2.00	0.00	0.00	0.02	0.00	29.64	2.00	0.00	0.00	0.02	0.00
29.66	2.00	0.00	0.00	0.02	0.00	29.68	2.00	0.00	0.00	0.02	0.00
29.70	2.00	0.00	0.00	0.02	0.00	29.72	2.00	0.00	0.00	0.02	0.00
29.74	2.00	0.00	0.00	0.02	0.00	29.76	2.00	0.00	0.00	0.02	0.00
29.78	2.00	0.00	0.00	0.02	0.00	29.80	2.00	0.00	0.00	0.02	0.00
29.82	2.00	0.00	0.00	0.02	0.00	29.84	2.00	0.00	0.00	0.02	0.00
29.86	2.00	0.00	0.00	0.02	0.00	29.88	2.00	0.00	0.00	0.02	0.00
29.90	2.00	0.00	0.00	0.02	0.00	29.92	2.00	0.00	0.00	0.02	0.00
29.94	2.00	0.00	0.00	0.02	0.00	29.96	2.00	0.00	0.00	0.02	0.00
29.98	2.00	0.00	0.00	0.02	0.00	30.00	2.00	0.00	0.00	0.02	0.00
Overall liquefaction potential: 0.15											

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

- FS: Calculated factor of safety for test point
- d_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

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
3.00	11.59	2.00	0.00	0.83	0.00	3.02	11.16	2.00	0.00	0.83	0.00
3.04	10.73	2.00	0.00	0.83	0.00	3.06	10.57	2.00	0.00	0.83	0.00
3.08	10.42	2.00	0.00	0.83	0.00	3.10	9.99	2.00	0.00	0.83	0.00
3.12	9.98	2.00	0.00	0.83	0.00	3.14	10.37	2.00	0.00	0.83	0.00
3.16	10.50	2.00	0.00	0.82	0.00	3.18	10.34	2.00	0.00	0.82	0.00
3.20	10.47	2.00	0.00	0.82	0.00	3.22	9.91	2.00	0.00	0.82	0.00
3.24	9.75	2.00	0.00	0.82	0.00	3.26	9.33	2.00	0.00	0.82	0.00
3.28	8.91	2.00	0.00	0.82	0.00	3.30	8.62	2.00	0.00	0.82	0.00
3.32	8.61	2.00	0.00	0.82	0.00	3.34	8.60	2.00	0.00	0.81	0.00
3.36	8.45	2.00	0.00	0.81	0.00	3.38	8.44	2.00	0.00	0.81	0.00
3.40	8.16	2.00	0.00	0.81	0.00	3.42	8.01	2.00	0.00	0.81	0.00
3.44	7.73	2.00	0.00	0.81	0.00	3.46	8.12	2.00	0.00	0.81	0.00
3.48	8.11	2.00	0.00	0.81	0.00	3.50	8.10	2.00	0.00	0.81	0.00
3.52	8.09	2.00	0.00	0.80	0.00	3.54	8.21	2.00	0.00	0.80	0.00
3.56	8.60	2.00	0.00	0.80	0.00	3.58	8.99	2.00	0.00	0.80	0.00
3.60	9.11	2.00	0.00	0.80	0.00	3.62	9.50	2.00	0.00	0.80	0.00
3.64	9.75	2.00	0.00	0.80	0.00	3.66	9.74	2.00	0.00	0.80	0.00
3.68	9.59	2.00	0.00	0.80	0.00	3.70	9.58	2.00	0.00	0.79	0.00
3.72	9.17	2.00	0.00	0.79	0.00	3.74	9.16	2.00	0.00	0.79	0.00
3.76	8.75	2.00	0.00	0.79	0.00	3.78	8.87	2.00	0.00	0.79	0.00
3.80	8.86	2.00	0.00	0.79	0.00	3.82	8.98	2.00	0.00	0.79	0.00
3.84	9.10	2.00	0.00	0.79	0.00	3.86	8.96	2.00	0.00	0.79	0.00
3.88	8.42	2.00	0.00	0.78	0.00	3.90	7.88	2.00	0.00	0.78	0.00
3.92	7.48	2.00	0.00	0.78	0.00	3.94	7.47	2.00	0.00	0.78	0.00
3.96	7.33	2.00	0.00	0.78	0.00	3.98	6.79	2.00	0.00	0.78	0.00
4.00	6.52	2.00	0.00	0.78	0.00	4.02	6.65	2.00	0.00	0.78	0.00
4.04	6.77	2.00	0.00	0.78	0.00	4.06	6.76	2.00	0.00	0.77	0.00
4.08	6.62	2.00	0.00	0.77	0.00	4.10	6.61	2.00	0.00	0.77	0.00
4.12	6.48	2.00	0.00	0.77	0.00	4.14	6.60	2.00	0.00	0.77	0.00
4.16	6.59	2.00	0.00	0.77	0.00	4.18	6.71	2.00	0.00	0.77	0.00
4.20	6.57	2.00	0.00	0.77	0.00	4.22	6.31	2.00	0.00	0.77	0.00
4.24	6.04	2.00	0.00	0.76	0.00	4.26	6.03	2.00	0.00	0.76	0.00
4.28	5.77	2.00	0.00	0.76	0.00	4.30	5.89	2.00	0.00	0.76	0.00
4.32	5.88	2.00	0.00	0.76	0.00	4.34	5.87	2.00	0.00	0.76	0.00
4.36	5.35	2.00	0.00	0.76	0.00	4.38	5.22	2.00	0.00	0.76	0.00
4.40	5.08	2.00	0.00	0.76	0.00	4.42	4.69	2.00	0.00	0.75	0.00
4.44	5.33	2.00	0.00	0.75	0.00	4.46	5.58	2.00	0.00	0.75	0.00
4.48	5.83	2.00	0.00	0.75	0.00	4.50	6.21	2.00	0.00	0.75	0.00
4.52	6.71	2.00	0.00	0.75	0.00	4.54	6.96	2.00	0.00	0.75	0.00
4.56	7.07	2.00	0.00	0.75	0.00	4.58	6.69	2.00	0.00	0.75	0.00
4.60	6.17	2.00	0.00	0.74	0.00	4.62	6.04	2.00	0.00	0.74	0.00
4.64	5.90	2.00	0.00	0.74	0.00	4.66	5.77	2.00	0.00	0.74	0.00
4.68	5.89	2.00	0.00	0.74	0.00	4.70	6.26	2.00	0.00	0.74	0.00
4.72	6.00	2.00	0.00	0.74	0.00	4.74	5.87	2.00	0.00	0.74	0.00
4.76	5.99	2.00	0.00	0.74	0.00	4.78	5.86	2.00	0.00	0.73	0.00
4.80	5.98	2.00	0.00	0.73	0.00	4.82	5.47	2.00	0.00	0.73	0.00
4.84	5.84	2.00	0.00	0.73	0.00	4.86	5.83	2.00	0.00	0.73	0.00
4.88	6.08	2.00	0.00	0.73	0.00	4.90	6.07	2.00	0.00	0.73	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
4.92	6.07	2.00	0.00	0.73	0.00	4.94	6.06	2.00	0.00	0.73	0.00
4.96	6.18	2.00	0.00	0.72	0.00	4.98	6.42	2.00	0.00	0.72	0.00
5.00	6.41	2.00	0.00	0.72	0.00	5.02	6.41	2.00	0.00	0.72	0.00
5.04	6.52	2.00	0.00	0.72	0.00	5.06	6.14	2.00	0.00	0.72	0.00
5.08	6.38	2.00	0.00	0.72	0.00	5.10	6.13	2.00	0.00	0.72	0.00
5.12	6.00	2.00	0.00	0.72	0.00	5.14	5.99	2.00	0.00	0.71	0.00
5.16	5.99	2.00	0.00	0.71	0.00	5.18	5.98	2.00	0.00	0.71	0.00
5.20	6.47	2.00	0.00	0.71	0.00	5.22	5.97	2.00	0.00	0.71	0.00
5.24	5.84	2.00	0.00	0.71	0.00	5.26	5.34	2.00	0.00	0.71	0.00
5.28	5.21	2.00	0.00	0.71	0.00	5.30	5.20	2.00	0.00	0.71	0.00
5.32	5.20	2.00	0.00	0.70	0.00	5.34	4.95	2.00	0.00	0.70	0.00
5.36	5.31	2.00	0.00	0.70	0.00	5.38	5.55	2.00	0.00	0.70	0.00
5.40	5.79	2.00	0.00	0.70	0.00	5.42	5.54	2.00	0.00	0.70	0.00
5.44	5.41	2.00	0.00	0.70	0.00	5.46	5.40	2.00	0.00	0.70	0.00
5.48	5.76	2.00	0.00	0.70	0.00	5.50	6.12	2.00	0.00	0.69	0.00
5.52	5.99	2.00	0.00	0.69	0.00	5.54	5.75	2.00	0.00	0.69	0.00
5.56	5.86	2.00	0.00	0.69	0.00	5.58	5.49	2.00	0.00	0.69	0.00
5.60	5.73	2.00	0.00	0.69	0.00	5.62	5.84	2.00	0.00	0.69	0.00
5.64	5.84	2.00	0.00	0.69	0.00	5.66	5.83	2.00	0.00	0.69	0.00
5.68	5.83	2.00	0.00	0.68	0.00	5.70	5.70	2.00	0.00	0.68	0.00
5.72	5.69	2.00	0.00	0.68	0.00	5.74	5.93	2.00	0.00	0.68	0.00
5.76	6.28	2.00	0.00	0.68	0.00	5.78	6.75	2.00	0.00	0.68	0.00
5.80	7.34	2.00	0.00	0.68	0.00	5.82	7.69	2.00	0.00	0.68	0.00
5.84	7.80	2.00	0.00	0.68	0.00	5.86	7.67	2.00	0.00	0.67	0.00
5.88	7.43	2.00	0.00	0.67	0.00	5.90	7.78	2.00	0.00	0.67	0.00
5.92	8.00	2.00	0.00	0.67	0.00	5.94	7.76	2.00	0.00	0.67	0.00
5.96	7.40	2.00	0.00	0.67	0.00	5.98	7.27	2.00	0.00	0.67	0.00
6.00	7.03	2.00	0.00	0.67	0.00	6.02	6.43	2.00	0.00	0.67	0.00
6.04	6.19	2.00	0.00	0.66	0.00	6.06	5.94	2.00	0.00	0.66	0.00
6.08	5.70	2.00	0.00	0.66	0.00	6.10	5.70	2.00	0.00	0.66	0.00
6.12	5.69	2.00	0.00	0.66	0.00	6.14	5.68	2.00	0.00	0.66	0.00
6.16	5.56	2.00	0.00	0.66	0.00	6.18	5.20	2.00	0.00	0.66	0.00
6.20	5.08	2.00	0.00	0.66	0.00	6.22	4.96	2.00	0.00	0.65	0.00
6.24	4.84	2.00	0.00	0.65	0.00	6.26	4.60	2.00	0.00	0.65	0.00
6.28	4.83	2.00	0.00	0.65	0.00	6.30	4.82	2.00	0.00	0.65	0.00
6.32	4.82	2.00	0.00	0.65	0.00	6.34	4.81	2.00	0.00	0.65	0.00
6.36	4.81	2.00	0.00	0.65	0.00	6.38	4.92	2.00	0.00	0.65	0.00
6.40	5.03	2.00	0.00	0.64	0.00	6.42	5.14	2.00	0.00	0.64	0.00
6.44	5.14	2.00	0.00	0.64	0.00	6.46	5.25	2.00	0.00	0.64	0.00
6.48	5.13	2.00	0.00	0.64	0.00	6.50	5.47	2.00	0.00	0.64	0.00
6.52	5.70	2.00	0.00	0.64	0.00	6.54	6.15	2.00	0.00	0.64	0.00
6.56	6.49	2.00	0.00	0.64	0.00	6.58	6.95	2.00	0.00	0.63	0.00
6.60	7.63	2.00	0.00	0.63	0.00	6.62	7.74	2.00	0.00	0.63	0.00
6.64	7.62	2.00	0.00	0.63	0.00	6.66	7.27	2.00	0.00	0.63	0.00
6.68	7.03	2.00	0.00	0.63	0.00	6.70	7.02	2.00	0.00	0.63	0.00
6.72	6.67	2.00	0.00	0.63	0.00	6.74	6.32	2.00	0.00	0.63	0.00
6.76	6.09	2.00	0.00	0.62	0.00	6.78	6.20	2.00	0.00	0.62	0.00
6.80	6.19	2.00	0.00	0.62	0.00	6.82	5.84	2.00	0.00	0.62	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
6.84	5.61	2.00	0.00	0.62	0.00	6.86	5.60	2.00	0.00	0.62	0.00
6.88	5.71	2.00	0.00	0.62	0.00	6.90	5.71	2.00	0.00	0.62	0.00
6.92	5.70	2.00	0.00	0.62	0.00	6.94	6.04	2.00	0.00	0.61	0.00
6.96	6.03	2.00	0.00	0.61	0.00	6.98	5.80	2.00	0.00	0.61	0.00
7.00	5.79	2.00	0.00	0.61	0.00	7.02	5.79	2.00	0.00	0.61	0.00
7.04	5.78	2.00	0.00	0.61	0.00	7.06	5.67	2.00	0.00	0.61	0.00
7.08	5.66	2.00	0.00	0.61	0.00	7.10	5.66	2.00	0.00	0.61	0.00
7.12	5.54	2.00	0.00	0.60	0.00	7.14	5.64	2.00	0.00	0.60	0.00
7.16	5.53	2.00	0.00	0.60	0.00	7.18	5.41	2.00	0.00	0.60	0.00
7.20	5.18	2.00	0.00	0.60	0.00	7.22	5.18	2.00	0.00	0.60	0.00
7.24	5.06	2.00	0.00	0.60	0.00	7.26	5.17	2.00	0.00	0.60	0.00
7.28	5.39	2.00	0.00	0.60	0.00	7.30	5.38	2.00	0.00	0.59	0.00
7.32	5.15	2.00	0.00	0.59	0.00	7.34	5.48	2.00	0.00	0.59	0.00
7.36	5.48	2.00	0.00	0.59	0.00	7.38	5.59	2.00	0.00	0.59	0.00
7.40	5.58	2.00	0.00	0.59	0.00	7.42	5.69	2.00	0.00	0.59	0.00
7.44	5.68	2.00	0.00	0.59	0.00	7.46	5.90	2.00	0.00	0.59	0.00
7.48	5.89	2.00	0.00	0.58	0.00	7.50	5.89	2.00	0.00	0.58	0.00
7.52	5.88	2.00	0.00	0.58	0.00	7.54	5.99	2.00	0.00	0.58	0.00
7.56	5.98	2.00	0.00	0.58	0.00	7.58	5.98	2.00	0.00	0.58	0.00
7.60	8.61	2.00	0.00	0.58	0.00	7.62	17.89	2.00	0.00	0.58	0.00
7.64	77.72	0.94	2.37	0.58	0.05	7.66	70.06	0.88	2.61	0.57	0.05
7.68	15.66	2.00	0.00	0.57	0.00	7.70	9.12	2.00	0.00	0.57	0.00
7.72	7.14	2.00	0.00	0.57	0.00	7.74	6.37	2.00	0.00	0.57	0.00
7.76	6.25	2.00	0.00	0.57	0.00	7.78	6.03	2.00	0.00	0.57	0.00
7.80	5.81	2.00	0.00	0.57	0.00	7.82	5.80	2.00	0.00	0.57	0.00
7.84	5.90	2.00	0.00	0.56	0.00	7.86	5.79	2.00	0.00	0.56	0.00
7.88	5.57	2.00	0.00	0.56	0.00	7.90	5.56	2.00	0.00	0.56	0.00
7.92	5.45	2.00	0.00	0.56	0.00	7.94	5.55	2.00	0.00	0.56	0.00
7.96	5.44	2.00	0.00	0.56	0.00	7.98	5.87	2.00	0.00	0.56	0.00
8.00	5.76	2.00	0.00	0.56	0.00	8.02	5.86	2.00	0.00	0.55	0.00
8.04	5.75	2.00	0.00	0.55	0.00	8.06	6.07	2.00	0.00	0.55	0.00
8.08	6.71	2.00	0.00	0.55	0.00	8.10	6.70	2.00	0.00	0.55	0.00
8.12	5.84	2.00	0.00	0.55	0.00	8.14	5.72	2.00	0.00	0.55	0.00
8.16	5.40	2.00	0.00	0.55	0.00	8.18	5.39	2.00	0.00	0.55	0.00
8.20	5.39	2.00	0.00	0.54	0.00	8.22	5.28	2.00	0.00	0.54	0.00
8.24	5.17	2.00	0.00	0.54	0.00	8.26	4.95	2.00	0.00	0.54	0.00
8.28	4.94	2.00	0.00	0.54	0.00	8.30	4.83	2.00	0.00	0.54	0.00
8.32	4.72	2.00	0.00	0.54	0.00	8.34	4.72	2.00	0.00	0.54	0.00
8.36	4.71	2.00	0.00	0.54	0.00	8.38	4.71	2.00	0.00	0.53	0.00
8.40	4.71	2.00	0.00	0.53	0.00	8.42	4.70	2.00	0.00	0.53	0.00
8.44	4.70	2.00	0.00	0.53	0.00	8.46	4.80	2.00	0.00	0.53	0.00
8.48	4.90	2.00	0.00	0.53	0.00	8.50	5.11	2.00	0.00	0.53	0.00
8.52	5.11	2.00	0.00	0.53	0.00	8.54	5.21	2.00	0.00	0.53	0.00
8.56	5.21	2.00	0.00	0.52	0.00	8.58	4.88	2.00	0.00	0.52	0.00
8.60	4.88	2.00	0.00	0.52	0.00	8.62	5.09	2.00	0.00	0.52	0.00
8.64	4.87	2.00	0.00	0.52	0.00	8.66	5.08	2.00	0.00	0.52	0.00
8.68	7.82	2.00	0.00	0.52	0.00	8.70	73.22	2.00	0.00	0.52	0.00
8.72	83.41	2.00	0.00	0.52	0.00	8.74	83.82	2.00	0.00	0.51	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
8.76	83.06	2.00	0.00	0.51	0.00	8.78	82.24	0.97	1.32	0.51	0.03
8.80	81.96	0.97	1.41	0.51	0.03	8.82	82.08	0.97	1.37	0.51	0.03
8.84	87.80	1.03	0.63	0.51	0.01	8.86	91.98	1.08	0.46	0.51	0.01
8.88	94.54	1.12	0.39	0.51	0.01	8.90	92.52	1.09	0.44	0.51	0.01
8.92	92.24	1.08	0.45	0.50	0.01	8.94	92.72	1.09	0.44	0.50	0.01
8.96	92.56	1.09	0.44	0.50	0.01	8.98	89.92	1.05	0.53	0.50	0.01
9.00	87.39	1.02	0.65	0.50	0.01	9.02	85.43	1.00	0.80	0.50	0.02
9.04	86.77	1.02	0.69	0.50	0.01	9.06	93.25	1.10	0.42	0.50	0.01
9.08	97.25	1.15	0.33	0.50	0.01	9.10	96.10	1.14	0.35	0.49	0.01
9.12	92.92	1.09	0.42	0.49	0.01	9.14	91.86	2.00	0.00	0.49	0.00
9.16	91.95	2.00	0.00	0.49	0.00	9.18	90.84	2.00	0.00	0.49	0.00
9.20	87.49	2.00	0.00	0.49	0.00	9.22	83.93	2.00	0.00	0.49	0.00
9.24	83.18	2.00	0.00	0.49	0.00	9.26	81.48	2.00	0.00	0.49	0.00
9.28	80.64	2.00	0.00	0.48	0.00	9.30	91.85	2.00	0.00	0.48	0.00
9.32	106.47	2.00	0.00	0.48	0.00	9.34	98.71	2.00	0.00	0.48	0.00
9.36	90.91	2.00	0.00	0.48	0.00	9.38	87.25	1.02	0.64	0.48	0.01
9.40	88.07	1.03	0.59	0.48	0.01	9.42	88.54	1.04	0.56	0.48	0.01
9.44	89.38	1.05	0.53	0.48	0.01	9.46	89.67	1.05	0.51	0.47	0.01
9.48	88.58	1.04	0.56	0.47	0.01	9.50	88.15	1.03	0.58	0.47	0.01
9.52	89.14	1.04	0.53	0.47	0.01	9.54	89.74	1.05	0.51	0.47	0.01
9.56	90.71	1.06	0.47	0.47	0.01	9.58	92.41	1.08	0.42	0.47	0.01
9.60	94.42	1.11	0.37	0.47	0.01	9.62	93.55	1.10	0.39	0.47	0.01
9.64	94.39	1.11	0.37	0.46	0.01	9.66	87.71	1.03	0.59	0.46	0.01
9.68	85.86	1.01	0.71	0.46	0.01	9.70	83.63	0.98	0.96	0.46	0.02
9.72	81.20	0.96	1.61	0.46	0.03	9.74	81.88	0.96	1.35	0.46	0.03
9.76	84.40	0.99	0.85	0.46	0.02	9.78	87.51	1.02	0.59	0.46	0.01
9.80	92.58	1.09	0.40	0.46	0.01	9.82	96.87	1.14	0.31	0.45	0.01
9.84	95.44	1.12	0.34	0.45	0.01	9.86	85.77	1.01	0.70	0.45	0.01
9.88	87.41	1.02	0.59	0.45	0.01	9.90	106.11	1.30	0.20	0.45	0.00
9.92	116.42	1.52	0.11	0.45	0.00	9.94	111.74	1.41	0.14	0.45	0.00
9.96	101.43	1.21	0.25	0.45	0.00	9.98	94.26	1.11	0.36	0.45	0.01
10.00	90.10	1.06	0.46	0.44	0.01	10.02	88.04	1.03	0.55	0.44	0.01
10.04	84.09	0.99	0.85	0.44	0.02	10.06	81.05	0.96	1.58	0.44	0.03
10.08	79.41	0.94	1.78	0.44	0.04	10.10	79.42	0.94	1.77	0.44	0.04
10.12	79.95	0.95	1.76	0.44	0.04	10.14	78.35	0.93	1.79	0.44	0.04
10.16	78.64	0.93	1.78	0.44	0.04	10.18	84.51	0.99	0.78	0.43	0.02
10.20	89.76	1.05	0.46	0.43	0.01	10.22	90.27	1.06	0.44	0.43	0.01
10.24	89.22	1.05	0.48	0.43	0.01	10.26	89.54	1.05	0.47	0.43	0.01
10.28	89.76	1.05	0.46	0.43	0.01	10.30	89.42	1.05	0.47	0.43	0.01
10.32	88.65	1.04	0.49	0.43	0.01	10.34	88.15	1.03	0.51	0.43	0.01
10.36	89.42	1.05	0.46	0.42	0.01	10.38	90.42	1.06	0.43	0.42	0.01
10.40	89.51	1.05	0.46	0.42	0.01	10.42	88.90	1.04	0.48	0.42	0.01
10.44	87.83	1.03	0.52	0.42	0.01	10.46	87.68	1.03	0.52	0.42	0.01
10.48	89.39	1.05	0.45	0.42	0.01	10.50	88.82	1.04	0.47	0.42	0.01
10.52	88.17	1.04	0.50	0.42	0.01	10.54	87.22	1.02	0.54	0.41	0.01
10.56	84.52	1.00	0.72	0.41	0.01	10.58	82.87	0.98	0.93	0.41	0.02
10.60	82.23	0.97	1.04	0.41	0.02	10.62	82.84	0.98	0.92	0.41	0.02
10.64	75.21	0.91	1.74	0.41	0.03	10.66	81.98	0.97	1.08	0.41	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
10.68	77.04	0.92	1.69	0.41	0.03	10.70	78.02	0.93	1.67	0.41	0.03
10.72	79.19	0.94	1.64	0.40	0.03	10.74	79.72	0.95	1.62	0.40	0.03
10.76	80.67	0.96	1.47	0.40	0.03	10.78	80.09	0.95	1.61	0.40	0.03
10.80	80.81	0.96	1.39	0.40	0.03	10.82	81.81	0.97	1.08	0.40	0.02
10.84	82.06	0.97	1.02	0.40	0.02	10.86	83.55	0.99	0.78	0.40	0.02
10.88	85.66	1.01	0.59	0.40	0.01	10.90	86.04	1.01	0.56	0.39	0.01
10.92	85.36	1.01	0.61	0.39	0.01	10.94	85.93	1.01	0.57	0.39	0.01
10.96	87.89	1.04	0.47	0.39	0.01	10.98	91.65	1.08	0.35	0.39	0.01
11.00	93.32	1.10	0.32	0.39	0.01	11.02	91.98	1.09	0.34	0.39	0.01
11.04	93.43	1.10	0.31	0.39	0.01	11.06	101.24	1.22	0.21	0.39	0.00
11.08	104.66	1.28	0.18	0.38	0.00	11.10	106.91	1.32	0.16	0.38	0.00
11.12	106.00	1.30	0.16	0.38	0.00	11.14	102.80	1.24	0.19	0.38	0.00
11.16	100.99	1.22	0.21	0.38	0.00	11.18	99.55	1.19	0.22	0.38	0.00
11.20	97.03	1.16	0.25	0.38	0.01	11.22	93.43	1.11	0.30	0.38	0.01
11.24	91.37	1.08	0.34	0.38	0.01	11.26	92.27	1.09	0.32	0.37	0.01
11.28	90.86	1.07	0.35	0.37	0.01	11.30	93.18	1.10	0.30	0.37	0.01
11.32	99.58	1.19	0.22	0.37	0.00	11.34	92.14	1.09	0.32	0.37	0.01
11.36	84.42	1.00	0.61	0.37	0.01	11.38	80.92	0.96	1.11	0.37	0.02
11.40	82.85	0.98	0.75	0.37	0.02	11.42	84.24	1.00	0.61	0.37	0.01
11.44	84.20	1.00	0.61	0.36	0.01	11.46	83.47	0.99	0.67	0.36	0.01
11.48	84.04	1.00	0.62	0.36	0.01	11.50	83.57	0.99	0.66	0.36	0.01
11.52	83.22	0.99	0.69	0.36	0.01	11.54	84.27	1.00	0.59	0.36	0.01
11.56	85.83	1.02	0.49	0.36	0.01	11.58	85.54	1.02	0.51	0.36	0.01
11.60	86.08	1.02	0.48	0.36	0.01	11.62	86.65	1.03	0.45	0.35	0.01
11.64	84.96	1.01	0.53	0.35	0.01	11.66	85.36	1.01	0.50	0.35	0.01
11.68	83.70	1.00	0.61	0.35	0.01	11.70	83.39	0.99	0.63	0.35	0.01
11.72	83.60	1.00	0.61	0.35	0.01	11.74	83.96	1.00	0.58	0.35	0.01
11.76	85.39	1.02	0.49	0.35	0.01	11.78	87.93	1.04	0.39	0.35	0.01
11.80	91.67	1.09	0.30	0.34	0.01	11.82	94.67	1.13	0.25	0.34	0.00
11.84	96.59	1.16	0.22	0.34	0.00	11.86	98.22	1.18	0.21	0.34	0.00
11.88	99.01	1.19	0.20	0.34	0.00	11.90	97.61	1.17	0.21	0.34	0.00
11.92	94.92	1.13	0.24	0.34	0.00	11.94	90.24	1.07	0.31	0.34	0.01
11.96	86.21	1.03	0.43	0.34	0.01	11.98	84.44	1.01	0.51	0.33	0.01
12.00	84.65	1.01	0.50	0.33	0.01	12.02	88.91	1.06	0.34	0.33	0.01
12.04	97.37	1.17	0.21	0.33	0.00	12.06	105.48	1.30	0.14	0.33	0.00
12.08	107.36	1.34	0.13	0.33	0.00	12.10	108.74	1.37	0.12	0.33	0.00
12.12	109.50	1.38	0.11	0.33	0.00	12.14	108.29	1.36	0.12	0.33	0.00
12.16	107.45	1.34	0.12	0.32	0.00	12.18	105.08	1.30	0.14	0.32	0.00
12.20	100.15	1.22	0.17	0.32	0.00	12.22	95.57	1.15	0.22	0.32	0.00
12.24	93.60	1.12	0.24	0.32	0.00	12.26	95.18	1.14	0.22	0.32	0.00
12.28	95.54	1.15	0.21	0.32	0.00	12.30	94.25	1.13	0.23	0.32	0.00
12.32	92.63	1.11	0.25	0.32	0.00	12.34	92.22	1.11	0.25	0.31	0.01
12.36	92.45	1.11	0.25	0.31	0.00	12.38	90.67	1.09	0.27	0.31	0.01
12.40	90.54	1.09	0.27	0.31	0.01	12.42	91.02	1.09	0.26	0.31	0.01
12.44	96.29	1.16	0.20	0.31	0.00	12.46	105.04	1.30	0.13	0.31	0.00
12.48	105.43	1.31	0.13	0.31	0.00	12.50	103.83	1.28	0.14	0.31	0.00
12.52	102.26	1.26	0.15	0.30	0.00	12.54	100.65	1.23	0.16	0.30	0.00
12.56	98.89	1.20	0.17	0.30	0.00	12.58	95.96	1.16	0.19	0.30	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
12.60	93.22	1.12	0.22	0.30	0.00	12.62	87.70	1.05	0.31	0.30	0.01
12.64	83.34	1.01	0.47	0.30	0.01	12.66	84.28	1.02	0.42	0.30	0.01
12.68	89.04	1.07	0.28	0.30	0.01	12.70	94.26	1.14	0.20	0.29	0.00
12.72	98.20	1.20	0.17	0.29	0.00	12.74	99.98	1.22	0.15	0.29	0.00
12.76	98.87	1.21	0.16	0.29	0.00	12.78	96.27	1.17	0.18	0.29	0.00
12.80	93.75	1.13	0.20	0.29	0.00	12.82	90.01	1.09	0.25	0.29	0.01
12.84	85.76	1.04	0.34	0.29	0.01	12.86	82.35	1.00	0.49	0.29	0.01
12.88	80.86	0.99	0.60	0.28	0.01	12.90	81.56	0.99	0.54	0.28	0.01
12.92	83.06	1.01	0.44	0.28	0.01	12.94	85.60	1.04	0.33	0.28	0.01
12.96	88.16	1.07	0.27	0.28	0.01	12.98	90.22	1.09	0.24	0.28	0.00
13.00	98.56	1.21	0.15	0.28	0.00	13.02	87.88	1.06	0.27	0.28	0.01
13.04	94.69	1.15	0.18	0.28	0.00	13.06	84.84	1.03	0.34	0.27	0.01
13.08	85.50	1.04	0.32	0.27	0.01	13.10	86.64	1.05	0.29	0.27	0.01
13.12	87.78	1.06	0.27	0.27	0.01	13.14	89.79	1.09	0.23	0.27	0.00
13.16	91.14	1.11	0.21	0.27	0.00	13.18	92.54	1.12	0.20	0.27	0.00
13.20	94.04	1.15	0.18	0.27	0.00	13.22	95.03	1.16	0.17	0.27	0.00
13.24	96.38	1.18	0.16	0.26	0.00	13.26	98.82	1.22	0.14	0.26	0.00
13.28	102.59	1.28	0.12	0.26	0.00	13.30	107.60	1.37	0.09	0.26	0.00
13.32	110.84	1.44	0.08	0.26	0.00	13.34	111.67	1.46	0.07	0.26	0.00
13.36	111.41	1.45	0.07	0.26	0.00	13.38	109.87	1.42	0.08	0.26	0.00
13.40	108.20	1.38	0.09	0.26	0.00	13.42	106.06	1.34	0.10	0.25	0.00
13.44	103.82	1.30	0.11	0.25	0.00	13.46	101.58	1.26	0.12	0.25	0.00
13.48	99.54	1.23	0.13	0.25	0.00	13.50	98.19	1.21	0.13	0.25	0.00
13.52	97.32	1.20	0.14	0.25	0.00	13.54	96.57	1.19	0.14	0.25	0.00
13.56	96.14	1.18	0.15	0.25	0.00	13.58	95.83	2.00	0.00	0.25	0.00
13.60	95.59	2.00	0.00	0.24	0.00	13.62	94.49	2.00	0.00	0.24	0.00
13.64	93.35	2.00	0.00	0.24	0.00	13.66	92.62	2.00	0.00	0.24	0.00
13.68	92.47	2.00	0.00	0.24	0.00	13.70	90.78	2.00	0.00	0.24	0.00
13.72	87.57	2.00	0.00	0.24	0.00	13.74	82.44	2.00	0.00	0.24	0.00
13.76	78.91	2.00	0.00	0.24	0.00	13.78	21.63	2.00	0.00	0.23	0.00
13.80	22.14	2.00	0.00	0.23	0.00	13.82	22.38	2.00	0.00	0.23	0.00
13.84	23.15	2.00	0.00	0.23	0.00	13.86	24.18	2.00	0.00	0.23	0.00
13.88	83.69	2.00	0.00	0.23	0.00	13.90	86.77	2.00	0.00	0.23	0.00
13.92	90.72	2.00	0.00	0.23	0.00	13.94	93.29	2.00	0.00	0.23	0.00
13.96	91.93	1.13	0.16	0.22	0.00	13.98	88.16	1.09	0.19	0.22	0.00
14.00	84.48	1.04	0.25	0.22	0.00	14.02	81.95	1.02	0.31	0.22	0.01
14.04	81.98	1.02	0.31	0.22	0.01	14.06	82.01	2.00	0.00	0.22	0.00
14.08	81.34	2.00	0.00	0.22	0.00	14.10	79.90	2.00	0.00	0.22	0.00
14.12	79.44	2.00	0.00	0.22	0.00	14.14	78.71	2.00	0.00	0.21	0.00
14.16	78.94	2.00	0.00	0.21	0.00	14.18	79.25	2.00	0.00	0.21	0.00
14.20	21.16	2.00	0.00	0.21	0.00	14.22	18.84	2.00	0.00	0.21	0.00
14.24	15.34	2.00	0.00	0.21	0.00	14.26	14.06	2.00	0.00	0.21	0.00
14.28	12.95	2.00	0.00	0.21	0.00	14.30	12.19	2.00	0.00	0.21	0.00
14.32	12.69	2.00	0.00	0.20	0.00	14.34	12.51	2.00	0.00	0.20	0.00
14.36	12.25	2.00	0.00	0.20	0.00	14.38	11.40	2.00	0.00	0.20	0.00
14.40	10.21	2.00	0.00	0.20	0.00	14.42	10.04	2.00	0.00	0.20	0.00
14.44	12.21	2.00	0.00	0.20	0.00	14.46	12.04	2.00	0.00	0.20	0.00
14.48	11.36	2.00	0.00	0.20	0.00	14.50	11.85	2.00	0.00	0.19	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
14.52	14.71	2.00	0.00	0.19	0.00	14.54	17.98	2.00	0.00	0.19	0.00
14.56	21.36	2.00	0.00	0.19	0.00	14.58	80.70	2.00	0.00	0.19	0.00
14.60	83.23	2.00	0.00	0.19	0.00	14.62	88.66	2.00	0.00	0.19	0.00
14.64	92.22	2.00	0.00	0.19	0.00	14.66	93.58	2.00	0.00	0.19	0.00
14.68	93.30	2.00	0.00	0.18	0.00	14.70	91.32	2.00	0.00	0.18	0.00
14.72	85.98	2.00	0.00	0.18	0.00	14.74	80.32	2.00	0.00	0.18	0.00
14.76	18.85	2.00	0.00	0.18	0.00	14.78	15.92	2.00	0.00	0.18	0.00
14.80	14.91	2.00	0.00	0.18	0.00	14.82	14.32	2.00	0.00	0.18	0.00
14.84	14.31	2.00	0.00	0.18	0.00	14.86	13.30	2.00	0.00	0.17	0.00
14.88	12.62	2.00	0.00	0.17	0.00	14.90	14.53	2.00	0.00	0.17	0.00
14.92	15.43	2.00	0.00	0.17	0.00	14.94	17.42	2.00	0.00	0.17	0.00
14.96	20.25	2.00	0.00	0.17	0.00	14.98	82.63	2.00	0.00	0.17	0.00
15.00	90.74	2.00	0.00	0.17	0.00	15.02	95.01	2.00	0.00	0.17	0.00
15.04	93.69	2.00	0.00	0.16	0.00	15.06	90.51	1.14	0.11	0.16	0.00
15.08	89.42	1.12	0.11	0.16	0.00	15.10	91.73	2.00	0.00	0.16	0.00
15.12	98.06	2.00	0.00	0.16	0.00	15.14	93.66	2.00	0.00	0.16	0.00
15.16	85.13	2.00	0.00	0.16	0.00	15.18	21.55	2.00	0.00	0.16	0.00
15.20	17.80	2.00	0.00	0.16	0.00	15.22	14.05	2.00	0.00	0.15	0.00
15.24	11.48	2.00	0.00	0.15	0.00	15.26	10.90	2.00	0.00	0.15	0.00
15.28	10.73	2.00	0.00	0.15	0.00	15.30	11.46	2.00	0.00	0.15	0.00
15.32	11.94	2.00	0.00	0.15	0.00	15.34	11.85	2.00	0.00	0.15	0.00
15.36	11.36	2.00	0.00	0.15	0.00	15.38	10.86	2.00	0.00	0.15	0.00
15.40	10.04	2.00	0.00	0.14	0.00	15.42	9.30	2.00	0.00	0.14	0.00
15.44	8.56	2.00	0.00	0.14	0.00	15.46	8.31	2.00	0.00	0.14	0.00
15.48	7.74	2.00	0.00	0.14	0.00	15.50	7.58	2.00	0.00	0.14	0.00
15.52	7.57	2.00	0.00	0.14	0.00	15.54	7.41	2.00	0.00	0.14	0.00
15.56	7.16	2.00	0.00	0.14	0.00	15.58	7.08	2.00	0.00	0.13	0.00
15.60	6.91	2.00	0.00	0.13	0.00	15.62	6.91	2.00	0.00	0.13	0.00
15.64	6.82	2.00	0.00	0.13	0.00	15.66	6.58	2.00	0.00	0.13	0.00
15.68	6.34	2.00	0.00	0.13	0.00	15.70	6.09	2.00	0.00	0.13	0.00
15.72	6.01	2.00	0.00	0.13	0.00	15.74	5.93	2.00	0.00	0.13	0.00
15.76	5.84	2.00	0.00	0.12	0.00	15.78	5.68	2.00	0.00	0.12	0.00
15.80	5.68	2.00	0.00	0.12	0.00	15.82	5.68	2.00	0.00	0.12	0.00
15.84	5.83	2.00	0.00	0.12	0.00	15.86	5.67	2.00	0.00	0.12	0.00
15.88	5.83	2.00	0.00	0.12	0.00	15.90	5.82	2.00	0.00	0.12	0.00
15.92	5.66	2.00	0.00	0.12	0.00	15.94	5.66	2.00	0.00	0.11	0.00
15.96	5.65	2.00	0.00	0.11	0.00	15.98	5.73	2.00	0.00	0.11	0.00
16.00	5.73	2.00	0.00	0.11	0.00	16.02	5.80	2.00	0.00	0.11	0.00
16.04	5.72	2.00	0.00	0.11	0.00	16.06	5.72	2.00	0.00	0.11	0.00
16.08	5.72	2.00	0.00	0.11	0.00	16.10	5.79	2.00	0.00	0.11	0.00
16.12	5.79	2.00	0.00	0.10	0.00	16.14	5.79	2.00	0.00	0.10	0.00
16.16	5.70	2.00	0.00	0.10	0.00	16.18	5.70	2.00	0.00	0.10	0.00
16.20	5.70	2.00	0.00	0.10	0.00	16.22	5.62	2.00	0.00	0.10	0.00
16.24	5.61	2.00	0.00	0.10	0.00	16.26	5.53	2.00	0.00	0.10	0.00
16.28	5.53	2.00	0.00	0.10	0.00	16.30	5.37	2.00	0.00	0.09	0.00
16.32	5.37	2.00	0.00	0.09	0.00	16.34	5.36	2.00	0.00	0.09	0.00
16.36	5.36	2.00	0.00	0.09	0.00	16.38	5.52	2.00	0.00	0.09	0.00
16.40	5.59	2.00	0.00	0.09	0.00	16.42	5.75	2.00	0.00	0.09	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
16.44	5.90	2.00	0.00	0.09	0.00	16.46	5.90	2.00	0.00	0.09	0.00
16.48	5.74	2.00	0.00	0.08	0.00	16.50	5.66	2.00	0.00	0.08	0.00
16.52	5.73	2.00	0.00	0.08	0.00	16.54	5.73	2.00	0.00	0.08	0.00
16.56	5.57	2.00	0.00	0.08	0.00	16.58	5.49	2.00	0.00	0.08	0.00
16.60	5.49	2.00	0.00	0.08	0.00	16.62	5.56	2.00	0.00	0.08	0.00
16.64	5.64	2.00	0.00	0.08	0.00	16.66	5.71	2.00	0.00	0.07	0.00
16.68	5.71	2.00	0.00	0.07	0.00	16.70	5.94	2.00	0.00	0.07	0.00
16.72	5.94	2.00	0.00	0.07	0.00	16.74	5.78	2.00	0.00	0.07	0.00
16.76	5.93	2.00	0.00	0.07	0.00	16.78	5.93	2.00	0.00	0.07	0.00
16.80	6.00	2.00	0.00	0.07	0.00	16.82	6.16	2.00	0.00	0.07	0.00
16.84	6.23	2.00	0.00	0.06	0.00	16.86	6.46	2.00	0.00	0.06	0.00
16.88	7.00	2.00	0.00	0.06	0.00	16.90	7.54	2.00	0.00	0.06	0.00
16.92	8.32	2.00	0.00	0.06	0.00	16.94	8.94	2.00	0.00	0.06	0.00
16.96	9.17	2.00	0.00	0.06	0.00	16.98	9.17	2.00	0.00	0.06	0.00
17.00	9.01	2.00	0.00	0.06	0.00	17.02	8.07	2.00	0.00	0.05	0.00
17.04	7.28	2.00	0.00	0.05	0.00	17.06	6.66	2.00	0.00	0.05	0.00
17.08	6.11	2.00	0.00	0.05	0.00	17.10	5.65	2.00	0.00	0.05	0.00
17.12	5.57	2.00	0.00	0.05	0.00	17.14	5.49	2.00	0.00	0.05	0.00
17.16	5.25	2.00	0.00	0.05	0.00	17.18	5.33	2.00	0.00	0.05	0.00
17.20	5.94	2.00	0.00	0.04	0.00	17.22	6.94	2.00	0.00	0.04	0.00
17.24	7.48	2.00	0.00	0.04	0.00	17.26	7.94	2.00	0.00	0.04	0.00
17.28	8.78	2.00	0.00	0.04	0.00	17.30	9.94	2.00	0.00	0.04	0.00
17.32	10.56	2.00	0.00	0.04	0.00	17.34	10.09	2.00	0.00	0.04	0.00
17.36	9.54	2.00	0.00	0.04	0.00	17.38	12.24	2.00	0.00	0.03	0.00
17.40	76.64	2.00	0.00	0.03	0.00	17.42	84.42	2.00	0.00	0.03	0.00
17.44	85.09	2.00	0.00	0.03	0.00	17.46	83.36	2.00	0.00	0.03	0.00
17.48	82.62	2.00	0.00	0.03	0.00	17.50	83.14	1.10	0.02	0.03	0.00
17.52	86.08	1.14	0.02	0.03	0.00	17.54	88.28	1.17	0.01	0.03	0.00
17.56	89.33	1.18	0.01	0.02	0.00	17.58	89.16	1.18	0.01	0.02	0.00
17.60	86.38	2.00	0.00	0.02	0.00	17.62	84.80	2.00	0.00	0.02	0.00
17.64	81.25	2.00	0.00	0.02	0.00	17.66	19.64	2.00	0.00	0.02	0.00
17.68	15.73	2.00	0.00	0.02	0.00	17.70	12.38	2.00	0.00	0.02	0.00
17.72	9.67	2.00	0.00	0.02	0.00	17.74	8.44	2.00	0.00	0.01	0.00
17.76	9.59	2.00	0.00	0.01	0.00	17.78	11.20	2.00	0.00	0.01	0.00
17.80	11.34	2.00	0.00	0.01	0.00	17.82	10.49	2.00	0.00	0.01	0.00
17.84	9.79	2.00	0.00	0.01	0.00	17.86	11.62	2.00	0.00	0.01	0.00
17.88	17.72	2.00	0.00	0.01	0.00	17.90	20.92	2.00	0.00	0.01	0.00
17.92	18.18	2.00	0.00	0.00	0.00	17.94	13.84	2.00	0.00	0.00	0.00
17.96	10.30	2.00	0.00	0.00	0.00	17.98	6.64	2.00	0.00	0.00	0.00
18.00	6.94	2.00	0.00	0.00	0.00	18.02	6.26	2.00	0.00	0.00	0.00
18.04	6.25	2.00	0.00	0.00	0.00	18.06	6.33	2.00	0.00	0.00	0.00
18.08	6.17	2.00	0.00	0.00	0.00	18.10	5.94	2.00	0.00	0.00	0.00
18.12	5.94	2.00	0.00	0.00	0.00	18.14	5.94	2.00	0.00	0.00	0.00
18.16	6.01	2.00	0.00	0.00	0.00	18.18	6.61	2.00	0.00	0.00	0.00
18.20	7.06	2.00	0.00	0.00	0.00	18.22	6.60	2.00	0.00	0.00	0.00
18.24	6.00	2.00	0.00	0.00	0.00	18.26	5.92	2.00	0.00	0.00	0.00
18.28	6.14	2.00	0.00	0.00	0.00	18.30	5.92	2.00	0.00	0.00	0.00
18.32	5.76	2.00	0.00	0.00	0.00	18.34	5.76	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
18.36	5.68	2.00	0.00	0.00	0.00	18.38	5.68	2.00	0.00	0.00	0.00
18.40	5.53	2.00	0.00	0.00	0.00	18.42	5.53	2.00	0.00	0.00	0.00
18.44	5.53	2.00	0.00	0.00	0.00	18.46	5.75	2.00	0.00	0.00	0.00
18.48	5.74	2.00	0.00	0.00	0.00	18.50	5.74	2.00	0.00	0.00	0.00
18.52	5.66	2.00	0.00	0.00	0.00	18.54	5.66	2.00	0.00	0.00	0.00
18.56	5.44	2.00	0.00	0.00	0.00	18.58	5.43	2.00	0.00	0.00	0.00
18.60	5.28	2.00	0.00	0.00	0.00	18.62	5.06	2.00	0.00	0.00	0.00
18.64	5.28	2.00	0.00	0.00	0.00	18.66	5.50	2.00	0.00	0.00	0.00
18.68	5.87	2.00	0.00	0.00	0.00	18.70	5.94	2.00	0.00	0.00	0.00
18.72	5.93	2.00	0.00	0.00	0.00	18.74	5.93	2.00	0.00	0.00	0.00
18.76	5.93	2.00	0.00	0.00	0.00	18.78	6.07	2.00	0.00	0.00	0.00
18.80	5.92	2.00	0.00	0.00	0.00	18.82	5.70	2.00	0.00	0.00	0.00
18.84	5.62	2.00	0.00	0.00	0.00	18.86	5.62	2.00	0.00	0.00	0.00
18.88	5.47	2.00	0.00	0.00	0.00	18.90	5.61	2.00	0.00	0.00	0.00
18.92	5.46	2.00	0.00	0.00	0.00	18.94	5.46	2.00	0.00	0.00	0.00
18.96	5.31	2.00	0.00	0.00	0.00	18.98	5.38	2.00	0.00	0.00	0.00
19.00	5.60	2.00	0.00	0.00	0.00	19.02	5.89	2.00	0.00	0.00	0.00
19.04	6.48	2.00	0.00	0.00	0.00	19.06	7.36	2.00	0.00	0.00	0.00
19.08	8.92	2.00	0.00	0.00	0.00	19.10	12.50	2.00	0.00	0.00	0.00
19.12	15.42	2.00	0.00	0.00	0.00	19.14	18.42	2.00	0.00	0.00	0.00
19.16	78.94	2.00	0.00	0.00	0.00	19.18	88.41	2.00	0.00	0.00	0.00
19.20	93.35	2.00	0.00	0.00	0.00	19.22	91.66	2.00	0.00	0.00	0.00
19.24	87.99	2.00	0.00	0.00	0.00	19.26	87.15	1.20	0.00	0.00	0.00
19.28	87.60	1.20	0.00	0.00	0.00	19.30	87.90	1.21	0.00	0.00	0.00
19.32	88.17	1.21	0.00	0.00	0.00	19.34	88.43	1.21	0.00	0.00	0.00
19.36	89.79	1.23	0.00	0.00	0.00	19.38	94.51	1.30	0.00	0.00	0.00
19.40	100.15	1.40	0.00	0.00	0.00	19.42	102.60	1.44	0.00	0.00	0.00
19.44	102.52	1.44	0.00	0.00	0.00	19.46	97.56	1.35	0.00	0.00	0.00
19.48	86.04	1.19	0.00	0.00	0.00	19.50	75.76	1.07	0.00	0.00	0.00
19.52	77.96	1.10	0.00	0.00	0.00	19.54	84.57	1.17	0.00	0.00	0.00
19.56	88.47	1.22	0.00	0.00	0.00	19.58	91.59	1.27	0.00	0.00	0.00
19.60	93.39	1.29	0.00	0.00	0.00	19.62	91.93	1.27	0.00	0.00	0.00
19.64	88.94	1.23	0.00	0.00	0.00	19.66	87.09	1.21	0.00	0.00	0.00
19.68	88.11	1.22	0.00	0.00	0.00	19.70	90.06	1.25	0.00	0.00	0.00
19.72	91.11	1.26	0.00	0.00	0.00	19.74	91.68	1.27	0.00	0.00	0.00
19.76	92.12	1.28	0.00	0.00	0.00	19.78	92.63	1.29	0.00	0.00	0.00
19.80	91.52	1.27	0.00	0.00	0.00	19.82	91.79	1.28	0.00	0.00	0.00
19.84	91.30	1.27	0.00	0.00	0.00	19.86	92.41	1.29	0.00	0.00	0.00
19.88	95.17	1.33	0.00	0.00	0.00	19.90	97.58	2.00	0.00	0.00	0.00
19.92	98.40	2.00	0.00	0.00	0.00	19.94	100.11	2.00	0.00	0.00	0.00
19.96	96.94	2.00	0.00	0.00	0.00	19.98	96.02	2.00	0.00	0.00	0.00
20.00	93.21	2.00	0.00	0.00	0.00	20.02	91.00	2.00	0.00	0.00	0.00
20.04	87.56	2.00	0.00	0.00	0.00	20.06	82.94	2.00	0.00	0.00	0.00
20.08	18.70	2.00	0.00	0.00	0.00	20.10	14.24	2.00	0.00	0.00	0.00
20.12	11.73	2.00	0.00	0.00	0.00	20.14	9.17	2.00	0.00	0.00	0.00
20.16	7.21	2.00	0.00	0.00	0.00	20.18	6.49	2.00	0.00	0.00	0.00
20.20	5.70	2.00	0.00	0.00	0.00	20.22	5.41	2.00	0.00	0.00	0.00
20.24	5.41	2.00	0.00	0.00	0.00	20.26	5.48	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
20.28	5.62	2.00	0.00	0.00	0.00	20.30	5.69	2.00	0.00	0.00	0.00
20.32	5.62	2.00	0.00	0.00	0.00	20.34	5.47	2.00	0.00	0.00	0.00
20.36	5.47	2.00	0.00	0.00	0.00	20.38	5.47	2.00	0.00	0.00	0.00
20.40	5.39	2.00	0.00	0.00	0.00	20.42	5.46	2.00	0.00	0.00	0.00
20.44	5.46	2.00	0.00	0.00	0.00	20.46	5.46	2.00	0.00	0.00	0.00
20.48	5.45	2.00	0.00	0.00	0.00	20.50	5.45	2.00	0.00	0.00	0.00
20.52	5.52	2.00	0.00	0.00	0.00	20.54	5.38	2.00	0.00	0.00	0.00
20.56	5.23	2.00	0.00	0.00	0.00	20.58	5.23	2.00	0.00	0.00	0.00
20.60	5.23	2.00	0.00	0.00	0.00	20.62	5.23	2.00	0.00	0.00	0.00
20.64	5.30	2.00	0.00	0.00	0.00	20.66	5.43	2.00	0.00	0.00	0.00
20.68	5.64	2.00	0.00	0.00	0.00	20.70	5.85	2.00	0.00	0.00	0.00
20.72	5.92	2.00	0.00	0.00	0.00	20.74	5.92	2.00	0.00	0.00	0.00
20.76	6.06	2.00	0.00	0.00	0.00	20.78	6.13	2.00	0.00	0.00	0.00
20.80	6.26	2.00	0.00	0.00	0.00	20.82	6.62	2.00	0.00	0.00	0.00
20.84	7.04	2.00	0.00	0.00	0.00	20.86	7.81	2.00	0.00	0.00	0.00
20.88	7.74	2.00	0.00	0.00	0.00	20.90	7.17	2.00	0.00	0.00	0.00
20.92	6.74	2.00	0.00	0.00	0.00	20.94	6.67	2.00	0.00	0.00	0.00
20.96	6.74	2.00	0.00	0.00	0.00	20.98	6.94	2.00	0.00	0.00	0.00
21.00	7.08	2.00	0.00	0.00	0.00	21.02	7.36	2.00	0.00	0.00	0.00
21.04	7.64	2.00	0.00	0.00	0.00	21.06	7.85	2.00	0.00	0.00	0.00
21.08	7.99	2.00	0.00	0.00	0.00	21.10	7.98	2.00	0.00	0.00	0.00
21.12	7.98	2.00	0.00	0.00	0.00	21.14	8.05	2.00	0.00	0.00	0.00
21.16	8.32	2.00	0.00	0.00	0.00	21.18	8.60	2.00	0.00	0.00	0.00
21.20	9.10	2.00	0.00	0.00	0.00	21.22	9.52	2.00	0.00	0.00	0.00
21.24	9.94	2.00	0.00	0.00	0.00	21.26	10.08	2.00	0.00	0.00	0.00
21.28	10.14	2.00	0.00	0.00	0.00	21.30	9.99	2.00	0.00	0.00	0.00
21.32	9.85	2.00	0.00	0.00	0.00	21.34	9.77	2.00	0.00	0.00	0.00
21.36	9.84	2.00	0.00	0.00	0.00	21.38	10.33	2.00	0.00	0.00	0.00
21.40	10.82	2.00	0.00	0.00	0.00	21.42	11.38	2.00	0.00	0.00	0.00
21.44	11.59	2.00	0.00	0.00	0.00	21.46	11.66	2.00	0.00	0.00	0.00
21.48	11.87	2.00	0.00	0.00	0.00	21.50	12.29	2.00	0.00	0.00	0.00
21.52	12.28	2.00	0.00	0.00	0.00	21.54	12.42	2.00	0.00	0.00	0.00
21.56	12.84	2.00	0.00	0.00	0.00	21.58	12.83	2.00	0.00	0.00	0.00
21.60	12.83	2.00	0.00	0.00	0.00	21.62	12.82	2.00	0.00	0.00	0.00
21.64	12.67	2.00	0.00	0.00	0.00	21.66	12.45	2.00	0.00	0.00	0.00
21.68	12.44	2.00	0.00	0.00	0.00	21.70	12.15	2.00	0.00	0.00	0.00
21.72	11.93	2.00	0.00	0.00	0.00	21.74	12.35	2.00	0.00	0.00	0.00
21.76	12.56	2.00	0.00	0.00	0.00	21.78	12.62	2.00	0.00	0.00	0.00
21.80	12.54	2.00	0.00	0.00	0.00	21.82	12.47	2.00	0.00	0.00	0.00
21.84	12.46	2.00	0.00	0.00	0.00	21.86	12.74	2.00	0.00	0.00	0.00
21.88	12.73	2.00	0.00	0.00	0.00	21.90	12.72	2.00	0.00	0.00	0.00
21.92	13.00	2.00	0.00	0.00	0.00	21.94	12.92	2.00	0.00	0.00	0.00
21.96	13.06	2.00	0.00	0.00	0.00	21.98	12.98	2.00	0.00	0.00	0.00
22.00	12.90	2.00	0.00	0.00	0.00	22.02	12.68	2.00	0.00	0.00	0.00
22.04	12.68	2.00	0.00	0.00	0.00	22.06	13.02	2.00	0.00	0.00	0.00
22.08	13.09	2.00	0.00	0.00	0.00	22.10	13.08	2.00	0.00	0.00	0.00
22.12	13.14	2.00	0.00	0.00	0.00	22.14	12.85	2.00	0.00	0.00	0.00
22.16	12.92	2.00	0.00	0.00	0.00	22.18	12.63	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
22.20	12.20	2.00	0.00	0.00	0.00	22.22	11.91	2.00	0.00	0.00	0.00
22.24	11.70	2.00	0.00	0.00	0.00	22.26	11.76	2.00	0.00	0.00	0.00
22.28	11.89	2.00	0.00	0.00	0.00	22.30	11.54	2.00	0.00	0.00	0.00
22.32	11.32	2.00	0.00	0.00	0.00	22.34	11.32	2.00	0.00	0.00	0.00
22.36	11.24	2.00	0.00	0.00	0.00	22.38	11.51	2.00	0.00	0.00	0.00
22.40	11.51	2.00	0.00	0.00	0.00	22.42	11.50	2.00	0.00	0.00	0.00
22.44	11.08	2.00	0.00	0.00	0.00	22.46	11.07	2.00	0.00	0.00	0.00
22.48	11.07	2.00	0.00	0.00	0.00	22.50	11.48	2.00	0.00	0.00	0.00
22.52	11.82	2.00	0.00	0.00	0.00	22.54	12.02	2.00	0.00	0.00	0.00
22.56	12.02	2.00	0.00	0.00	0.00	22.58	12.01	2.00	0.00	0.00	0.00
22.60	11.94	2.00	0.00	0.00	0.00	22.62	11.86	2.00	0.00	0.00	0.00
22.64	11.78	2.00	0.00	0.00	0.00	22.66	11.50	2.00	0.00	0.00	0.00
22.68	11.42	2.00	0.00	0.00	0.00	22.70	11.56	2.00	0.00	0.00	0.00
22.72	11.55	2.00	0.00	0.00	0.00	22.74	11.75	2.00	0.00	0.00	0.00
22.76	12.02	2.00	0.00	0.00	0.00	22.78	11.88	2.00	0.00	0.00	0.00
22.80	11.73	2.00	0.00	0.00	0.00	22.82	11.52	2.00	0.00	0.00	0.00
22.84	11.65	2.00	0.00	0.00	0.00	22.86	11.44	2.00	0.00	0.00	0.00
22.88	11.43	2.00	0.00	0.00	0.00	22.90	11.77	2.00	0.00	0.00	0.00
22.92	12.04	2.00	0.00	0.00	0.00	22.94	11.90	2.00	0.00	0.00	0.00
22.96	12.65	2.00	0.00	0.00	0.00	22.98	12.78	2.00	0.00	0.00	0.00
23.00	13.19	2.00	0.00	0.00	0.00	23.02	12.98	2.00	0.00	0.00	0.00
23.04	13.46	2.00	0.00	0.00	0.00	23.06	13.93	2.00	0.00	0.00	0.00
23.08	14.20	2.00	0.00	0.00	0.00	23.10	14.34	2.00	0.00	0.00	0.00
23.12	14.26	2.00	0.00	0.00	0.00	23.14	14.46	2.00	0.00	0.00	0.00
23.16	14.45	2.00	0.00	0.00	0.00	23.18	14.31	2.00	0.00	0.00	0.00
23.20	14.30	2.00	0.00	0.00	0.00	23.22	14.29	2.00	0.00	0.00	0.00
23.24	14.08	2.00	0.00	0.00	0.00	23.26	13.38	2.00	0.00	0.00	0.00
23.28	12.82	2.00	0.00	0.00	0.00	23.30	12.74	2.00	0.00	0.00	0.00
23.32	12.74	2.00	0.00	0.00	0.00	23.34	12.53	2.00	0.00	0.00	0.00
23.36	12.86	2.00	0.00	0.00	0.00	23.38	12.79	2.00	0.00	0.00	0.00
23.40	12.78	2.00	0.00	0.00	0.00	23.42	12.91	2.00	0.00	0.00	0.00
23.44	12.70	2.00	0.00	0.00	0.00	23.46	12.08	2.00	0.00	0.00	0.00
23.48	11.73	2.00	0.00	0.00	0.00	23.50	11.38	2.00	0.00	0.00	0.00
23.52	11.72	2.00	0.00	0.00	0.00	23.54	11.85	2.00	0.00	0.00	0.00
23.56	11.91	2.00	0.00	0.00	0.00	23.58	12.04	2.00	0.00	0.00	0.00
23.60	12.24	2.00	0.00	0.00	0.00	23.62	12.16	2.00	0.00	0.00	0.00
23.64	12.43	2.00	0.00	0.00	0.00	23.66	12.56	2.00	0.00	0.00	0.00
23.68	12.42	2.00	0.00	0.00	0.00	23.70	12.28	2.00	0.00	0.00	0.00
23.72	12.20	2.00	0.00	0.00	0.00	23.74	12.26	2.00	0.00	0.00	0.00
23.76	12.26	2.00	0.00	0.00	0.00	23.78	12.66	2.00	0.00	0.00	0.00
23.80	13.13	2.00	0.00	0.00	0.00	23.82	12.99	2.00	0.00	0.00	0.00
23.84	12.37	2.00	0.00	0.00	0.00	23.86	12.16	2.00	0.00	0.00	0.00
23.88	11.61	2.00	0.00	0.00	0.00	23.90	11.14	2.00	0.00	0.00	0.00
23.92	11.00	2.00	0.00	0.00	0.00	23.94	11.39	2.00	0.00	0.00	0.00
23.96	11.05	2.00	0.00	0.00	0.00	23.98	11.18	2.00	0.00	0.00	0.00
24.00	11.11	2.00	0.00	0.00	0.00	24.02	10.77	2.00	0.00	0.00	0.00
24.04	10.43	2.00	0.00	0.00	0.00	24.06	9.96	2.00	0.00	0.00	0.00
24.08	9.55	2.00	0.00	0.00	0.00	24.10	9.22	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
24.12	9.41	2.00	0.00	0.00	0.00	24.14	9.41	2.00	0.00	0.00	0.00
24.16	9.40	2.00	0.00	0.00	0.00	24.18	9.27	2.00	0.00	0.00	0.00
24.20	9.06	2.00	0.00	0.00	0.00	24.22	9.06	2.00	0.00	0.00	0.00
24.24	9.06	2.00	0.00	0.00	0.00	24.26	9.38	2.00	0.00	0.00	0.00
24.28	9.38	2.00	0.00	0.00	0.00	24.30	9.18	2.00	0.00	0.00	0.00
24.32	9.11	2.00	0.00	0.00	0.00	24.34	9.04	2.00	0.00	0.00	0.00
24.36	8.77	2.00	0.00	0.00	0.00	24.38	8.57	2.00	0.00	0.00	0.00
24.40	8.56	2.00	0.00	0.00	0.00	24.42	8.56	2.00	0.00	0.00	0.00
24.44	8.56	2.00	0.00	0.00	0.00	24.46	8.68	2.00	0.00	0.00	0.00
24.48	9.01	2.00	0.00	0.00	0.00	24.50	9.07	2.00	0.00	0.00	0.00
24.52	9.33	2.00	0.00	0.00	0.00	24.54	9.78	2.00	0.00	0.00	0.00
24.56	10.11	2.00	0.00	0.00	0.00	24.58	10.10	2.00	0.00	0.00	0.00
24.60	9.97	2.00	0.00	0.00	0.00	24.62	9.77	2.00	0.00	0.00	0.00
24.64	9.69	2.00	0.00	0.00	0.00	24.66	9.36	2.00	0.00	0.00	0.00
24.68	9.03	2.00	0.00	0.00	0.00	24.70	8.77	2.00	0.00	0.00	0.00
24.72	8.50	2.00	0.00	0.00	0.00	24.74	8.24	2.00	0.00	0.00	0.00
24.76	8.30	2.00	0.00	0.00	0.00	24.78	8.29	2.00	0.00	0.00	0.00
24.80	8.49	2.00	0.00	0.00	0.00	24.82	8.68	2.00	0.00	0.00	0.00
24.84	8.74	2.00	0.00	0.00	0.00	24.86	8.73	2.00	0.00	0.00	0.00
24.88	8.86	2.00	0.00	0.00	0.00	24.90	8.66	2.00	0.00	0.00	0.00
24.92	7.43	2.00	0.00	0.00	0.00	24.94	8.59	2.00	0.00	0.00	0.00
24.96	8.52	2.00	0.00	0.00	0.00	24.98	8.78	2.00	0.00	0.00	0.00
25.00	8.77	2.00	0.00	0.00	0.00	25.02	8.90	2.00	0.00	0.00	0.00
25.04	8.89	2.00	0.00	0.00	0.00	25.06	8.95	2.00	0.00	0.00	0.00
25.08	8.95	2.00	0.00	0.00	0.00	25.10	8.95	2.00	0.00	0.00	0.00
25.12	8.75	2.00	0.00	0.00	0.00	25.14	8.94	2.00	0.00	0.00	0.00
25.16	9.13	2.00	0.00	0.00	0.00	25.18	9.38	2.00	0.00	0.00	0.00
25.20	9.64	2.00	0.00	0.00	0.00	25.22	10.02	2.00	0.00	0.00	0.00
25.24	10.54	2.00	0.00	0.00	0.00	25.26	10.80	2.00	0.00	0.00	0.00
25.28	10.79	2.00	0.00	0.00	0.00	25.30	11.24	2.00	0.00	0.00	0.00
25.32	11.24	2.00	0.00	0.00	0.00	25.34	10.97	2.00	0.00	0.00	0.00
25.36	10.84	2.00	0.00	0.00	0.00	25.38	10.77	2.00	0.00	0.00	0.00
25.40	10.57	2.00	0.00	0.00	0.00	25.42	10.89	2.00	0.00	0.00	0.00
25.44	11.21	2.00	0.00	0.00	0.00	25.46	11.27	2.00	0.00	0.00	0.00
25.48	11.20	2.00	0.00	0.00	0.00	25.50	11.19	2.00	0.00	0.00	0.00
25.52	11.25	2.00	0.00	0.00	0.00	25.54	11.44	2.00	0.00	0.00	0.00
25.56	11.63	2.00	0.00	0.00	0.00	25.58	11.56	2.00	0.00	0.00	0.00
25.60	10.97	2.00	0.00	0.00	0.00	25.62	10.25	2.00	0.00	0.00	0.00
25.64	9.73	2.00	0.00	0.00	0.00	25.66	9.66	2.00	0.00	0.00	0.00
25.68	9.08	2.00	0.00	0.00	0.00	25.70	8.50	2.00	0.00	0.00	0.00
25.72	8.31	2.00	0.00	0.00	0.00	25.74	8.75	2.00	0.00	0.00	0.00
25.76	8.87	2.00	0.00	0.00	0.00	25.78	9.06	2.00	0.00	0.00	0.00
25.80	9.19	2.00	0.00	0.00	0.00	25.82	9.12	2.00	0.00	0.00	0.00
25.84	9.05	2.00	0.00	0.00	0.00	25.86	8.73	2.00	0.00	0.00	0.00
25.88	8.28	2.00	0.00	0.00	0.00	25.90	8.34	2.00	0.00	0.00	0.00
25.92	8.34	2.00	0.00	0.00	0.00	25.94	9.22	2.00	0.00	0.00	0.00
25.96	9.22	2.00	0.00	0.00	0.00	25.98	9.15	2.00	0.00	0.00	0.00
26.00	9.15	2.00	0.00	0.00	0.00	26.02	9.14	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
26.04	9.27	2.00	0.00	0.00	0.00	26.06	9.71	2.00	0.00	0.00	0.00
26.08	9.83	2.00	0.00	0.00	0.00	26.10	9.89	2.00	0.00	0.00	0.00
26.12	9.63	2.00	0.00	0.00	0.00	26.14	9.57	2.00	0.00	0.00	0.00
26.16	9.69	2.00	0.00	0.00	0.00	26.18	10.13	2.00	0.00	0.00	0.00
26.20	9.94	2.00	0.00	0.00	0.00	26.22	9.68	2.00	0.00	0.00	0.00
26.24	9.42	2.00	0.00	0.00	0.00	26.26	9.16	2.00	0.00	0.00	0.00
26.28	8.90	2.00	0.00	0.00	0.00	26.30	8.40	2.00	0.00	0.00	0.00
26.32	8.01	2.00	0.00	0.00	0.00	26.34	7.89	2.00	0.00	0.00	0.00
26.36	7.69	2.00	0.00	0.00	0.00	26.38	7.38	2.00	0.00	0.00	0.00
26.40	6.88	2.00	0.00	0.00	0.00	26.42	6.75	2.00	0.00	0.00	0.00
26.44	6.87	2.00	0.00	0.00	0.00	26.46	7.31	2.00	0.00	0.00	0.00
26.48	7.99	2.00	0.00	0.00	0.00	26.50	8.80	2.00	0.00	0.00	0.00
26.52	8.99	2.00	0.00	0.00	0.00	26.54	8.73	2.00	0.00	0.00	0.00
26.56	8.61	2.00	0.00	0.00	0.00	26.58	8.41	2.00	0.00	0.00	0.00
26.60	8.41	2.00	0.00	0.00	0.00	26.62	8.41	2.00	0.00	0.00	0.00
26.64	8.40	2.00	0.00	0.00	0.00	26.66	8.34	2.00	0.00	0.00	0.00
26.68	8.09	2.00	0.00	0.00	0.00	26.70	8.33	2.00	0.00	0.00	0.00
26.72	8.27	2.00	0.00	0.00	0.00	26.74	7.52	2.00	0.00	0.00	0.00
26.76	7.14	2.00	0.00	0.00	0.00	26.78	6.70	2.00	0.00	0.00	0.00
26.80	6.70	2.00	0.00	0.00	0.00	26.82	7.13	2.00	0.00	0.00	0.00
26.84	7.56	2.00	0.00	0.00	0.00	26.86	8.00	2.00	0.00	0.00	0.00
26.88	8.55	2.00	0.00	0.00	0.00	26.90	8.68	2.00	0.00	0.00	0.00
26.92	9.49	2.00	0.00	0.00	0.00	26.94	9.48	2.00	0.00	0.00	0.00
26.96	9.42	2.00	0.00	0.00	0.00	26.98	9.54	2.00	0.00	0.00	0.00
27.00	9.85	2.00	0.00	0.00	0.00	27.02	11.74	2.00	0.00	0.00	0.00
27.04	10.97	2.00	0.00	0.00	0.00	27.06	10.59	2.00	0.00	0.00	0.00
27.08	10.84	2.00	0.00	0.00	0.00	27.10	11.28	2.00	0.00	0.00	0.00
27.12	11.72	2.00	0.00	0.00	0.00	27.14	11.65	2.00	0.00	0.00	0.00
27.16	11.01	2.00	0.00	0.00	0.00	27.18	11.26	2.00	0.00	0.00	0.00
27.20	11.25	2.00	0.00	0.00	0.00	27.22	10.56	2.00	0.00	0.00	0.00
27.24	9.99	2.00	0.00	0.00	0.00	27.26	9.49	2.00	0.00	0.00	0.00
27.28	9.36	2.00	0.00	0.00	0.00	27.30	9.42	2.00	0.00	0.00	0.00
27.32	10.04	2.00	0.00	0.00	0.00	27.34	11.66	2.00	0.00	0.00	0.00
27.36	18.37	2.00	0.00	0.00	0.00	27.38	87.97	2.00	0.00	0.00	0.00
27.40	95.62	2.00	0.00	0.00	0.00	27.42	92.00	2.00	0.00	0.00	0.00
27.44	83.46	2.00	0.00	0.00	0.00	27.46	20.48	2.00	0.00	0.00	0.00
27.48	18.28	2.00	0.00	0.00	0.00	27.50	23.87	2.00	0.00	0.00	0.00
27.52	33.77	2.00	0.00	0.00	0.00	27.54	33.85	2.00	0.00	0.00	0.00
27.56	29.54	2.00	0.00	0.00	0.00	27.58	26.02	2.00	0.00	0.00	0.00
27.60	25.93	2.00	0.00	0.00	0.00	27.62	31.61	2.00	0.00	0.00	0.00
27.64	100.12	2.00	0.00	0.00	0.00	27.66	103.63	2.00	0.00	0.00	0.00
27.68	108.63	2.00	0.00	0.00	0.00	27.70	108.98	2.00	0.00	0.00	0.00
27.72	106.51	2.00	0.00	0.00	0.00	27.74	106.07	2.00	0.00	0.00	0.00
27.76	105.21	2.00	0.00	0.00	0.00	27.78	105.24	2.00	0.00	0.00	0.00
27.80	108.26	2.00	0.00	0.00	0.00	27.82	112.94	2.00	0.00	0.00	0.00
27.84	115.66	2.00	0.00	0.00	0.00	27.86	114.63	2.00	0.00	0.00	0.00
27.88	116.13	2.00	0.00	0.00	0.00	27.90	82.09	2.00	0.00	0.00	0.00
27.92	107.39	2.00	0.00	0.00	0.00	27.94	99.00	2.00	0.00	0.00	0.00

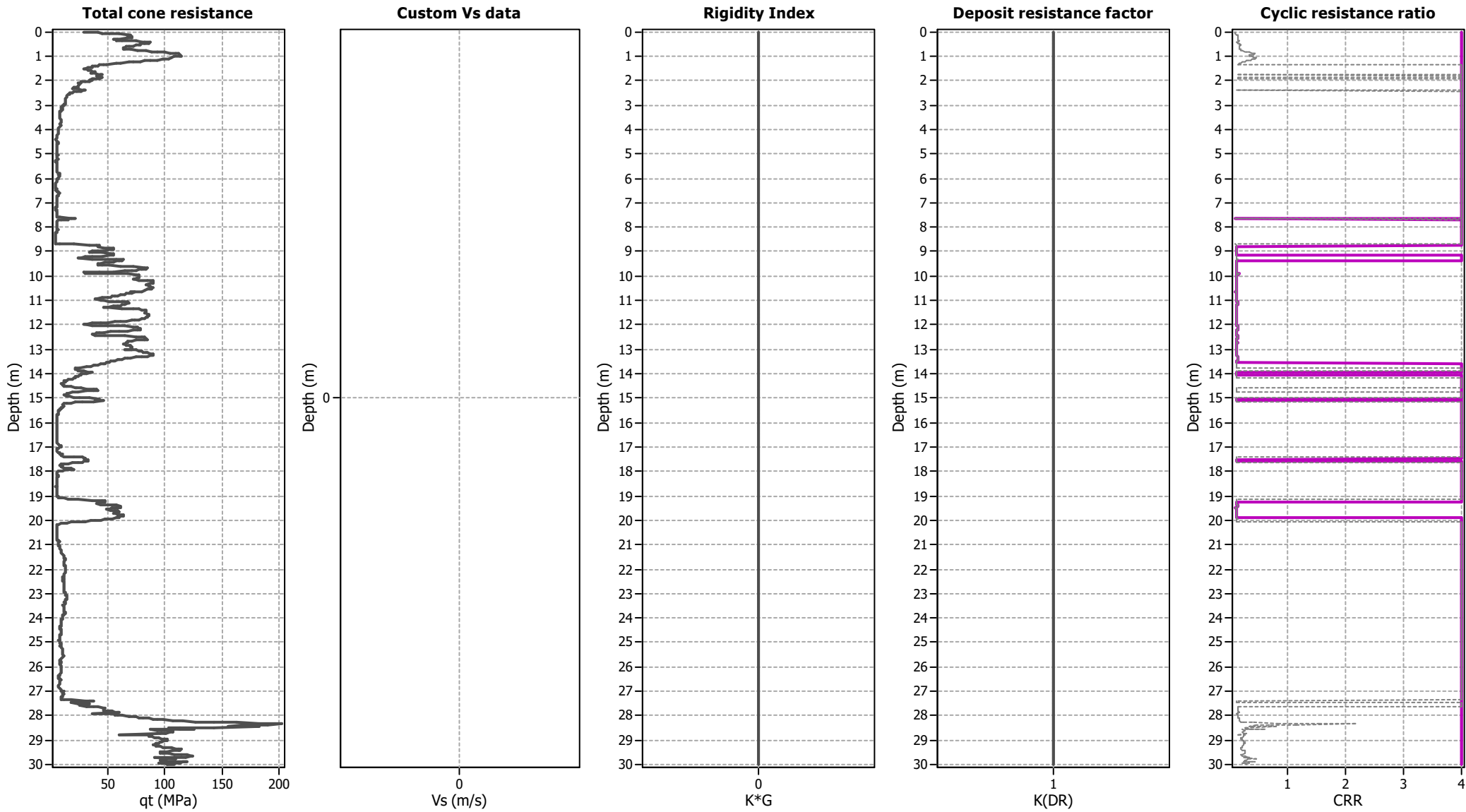
:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
27.96	101.61	2.00	0.00	0.00	0.00	27.98	104.77	2.00	0.00	0.00	0.00
28.00	107.83	2.00	0.00	0.00	0.00	28.02	111.44	2.00	0.00	0.00	0.00
28.04	113.48	2.00	0.00	0.00	0.00	28.06	113.47	2.00	0.00	0.00	0.00
28.08	113.59	2.00	0.00	0.00	0.00	28.10	115.07	2.00	0.00	0.00	0.00
28.12	115.51	2.00	0.00	0.00	0.00	28.14	116.40	2.00	0.00	0.00	0.00
28.16	117.07	2.00	0.00	0.00	0.00	28.18	117.17	2.00	0.00	0.00	0.00
28.20	116.70	2.00	0.00	0.00	0.00	28.22	119.10	2.00	0.00	0.00	0.00
28.24	127.43	2.00	0.00	0.00	0.00	28.26	143.17	2.00	0.00	0.00	0.00
28.28	163.32	2.00	0.00	0.00	0.00	28.30	182.99	2.00	0.00	0.00	0.00
28.32	196.23	2.00	0.00	0.00	0.00	28.34	202.38	2.00	0.00	0.00	0.00
28.36	190.39	2.00	0.00	0.00	0.00	28.38	178.71	2.00	0.00	0.00	0.00
28.40	167.17	2.00	0.00	0.00	0.00	28.42	155.86	2.00	0.00	0.00	0.00
28.44	162.78	2.00	0.00	0.00	0.00	28.46	182.43	2.00	0.00	0.00	0.00
28.48	146.21	2.00	0.00	0.00	0.00	28.50	149.03	2.00	0.00	0.00	0.00
28.52	149.29	2.00	0.00	0.00	0.00	28.54	156.08	2.00	0.00	0.00	0.00
28.56	175.43	2.00	0.00	0.00	0.00	28.58	136.01	2.00	0.00	0.00	0.00
28.60	148.98	2.00	0.00	0.00	0.00	28.62	146.10	2.00	0.00	0.00	0.00
28.64	148.25	2.00	0.00	0.00	0.00	28.66	137.94	2.00	0.00	0.00	0.00
28.68	136.54	2.00	0.00	0.00	0.00	28.70	139.47	2.00	0.00	0.00	0.00
28.72	142.99	2.00	0.00	0.00	0.00	28.74	150.01	2.00	0.00	0.00	0.00
28.76	110.66	2.00	0.00	0.00	0.00	28.78	147.26	2.00	0.00	0.00	0.00
28.80	140.42	2.00	0.00	0.00	0.00	28.82	140.76	2.00	0.00	0.00	0.00
28.84	141.38	2.00	0.00	0.00	0.00	28.86	140.26	2.00	0.00	0.00	0.00
28.88	138.40	2.00	0.00	0.00	0.00	28.90	136.31	2.00	0.00	0.00	0.00
28.92	133.30	2.00	0.00	0.00	0.00	28.94	131.45	2.00	0.00	0.00	0.00
28.96	131.82	2.00	0.00	0.00	0.00	28.98	134.07	2.00	0.00	0.00	0.00
29.00	136.84	2.00	0.00	0.00	0.00	29.02	139.79	2.00	0.00	0.00	0.00
29.04	142.17	2.00	0.00	0.00	0.00	29.06	143.86	2.00	0.00	0.00	0.00
29.08	145.43	2.00	0.00	0.00	0.00	29.10	146.55	2.00	0.00	0.00	0.00
29.12	146.27	2.00	0.00	0.00	0.00	29.14	145.45	2.00	0.00	0.00	0.00
29.16	144.04	2.00	0.00	0.00	0.00	29.18	142.45	2.00	0.00	0.00	0.00
29.20	141.34	2.00	0.00	0.00	0.00	29.22	140.32	2.00	0.00	0.00	0.00
29.24	139.63	2.00	0.00	0.00	0.00	29.26	139.48	2.00	0.00	0.00	0.00
29.28	137.98	2.00	0.00	0.00	0.00	29.30	135.09	2.00	0.00	0.00	0.00
29.32	132.85	2.00	0.00	0.00	0.00	29.34	129.81	2.00	0.00	0.00	0.00
29.36	128.99	2.00	0.00	0.00	0.00	29.38	131.94	2.00	0.00	0.00	0.00
29.40	136.12	2.00	0.00	0.00	0.00	29.42	142.34	2.00	0.00	0.00	0.00
29.44	146.05	2.00	0.00	0.00	0.00	29.46	148.03	2.00	0.00	0.00	0.00
29.48	148.24	2.00	0.00	0.00	0.00	29.50	147.90	2.00	0.00	0.00	0.00
29.52	147.92	2.00	0.00	0.00	0.00	29.54	146.55	2.00	0.00	0.00	0.00
29.56	145.14	2.00	0.00	0.00	0.00	29.58	139.97	2.00	0.00	0.00	0.00
29.60	133.05	2.00	0.00	0.00	0.00	29.62	131.51	2.00	0.00	0.00	0.00
29.64	134.02	2.00	0.00	0.00	0.00	29.66	138.93	2.00	0.00	0.00	0.00
29.68	146.13	2.00	0.00	0.00	0.00	29.70	155.01	2.00	0.00	0.00	0.00
29.72	155.92	2.00	0.00	0.00	0.00	29.74	143.92	2.00	0.00	0.00	0.00
29.76	167.46	2.00	0.00	0.00	0.00	29.78	155.23	2.00	0.00	0.00	0.00
29.80	150.57	2.00	0.00	0.00	0.00	29.82	147.09	2.00	0.00	0.00	0.00
29.84	147.98	2.00	0.00	0.00	0.00	29.86	144.72	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
29.88	165.59	2.00	0.00	0.00	0.00	29.90	154.37	2.00	0.00	0.00	0.00
29.92	156.45	2.00	0.00	0.00	0.00	29.94	138.26	2.00	0.00	0.00	0.00
29.96	148.48	2.00	0.00	0.00	0.00	29.98	149.27	2.00	0.00	0.00	0.00
30.00	152.54	2.00	0.00	0.00	0.00						
Total estimated settlement: 2.36											

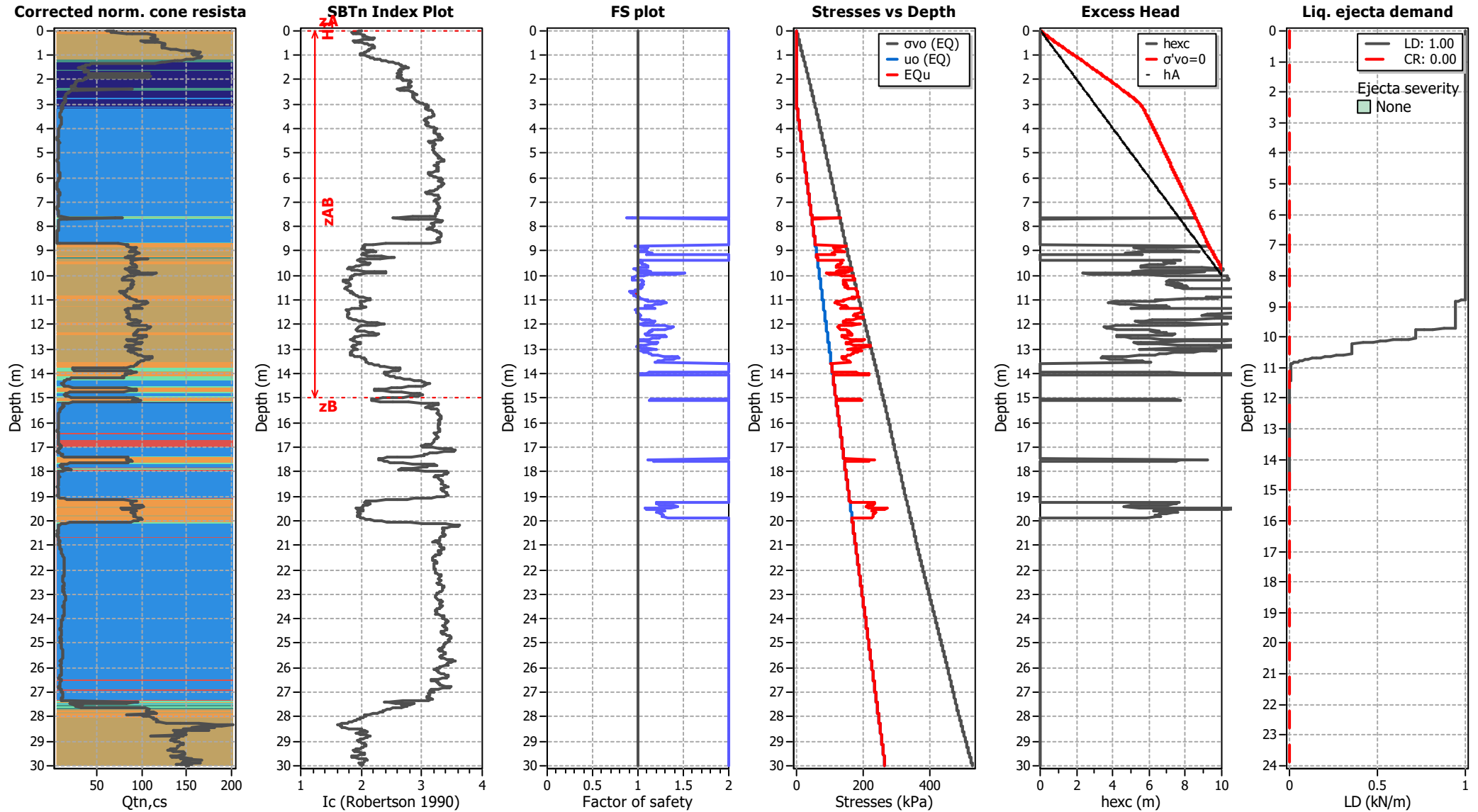
Abbreviations

Q_{tn,cs}: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumetric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

Aging Calculation Estimation



Ejecta Severity Estimation



LIQUEFACTION ANALYSIS REPORT

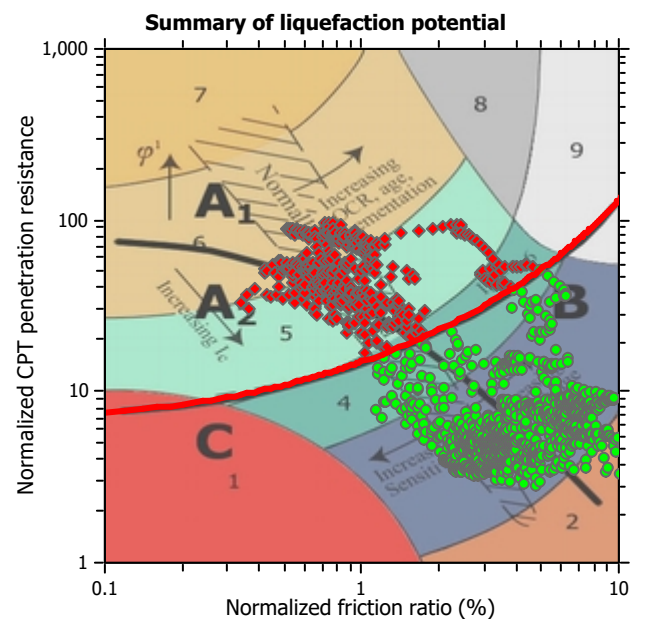
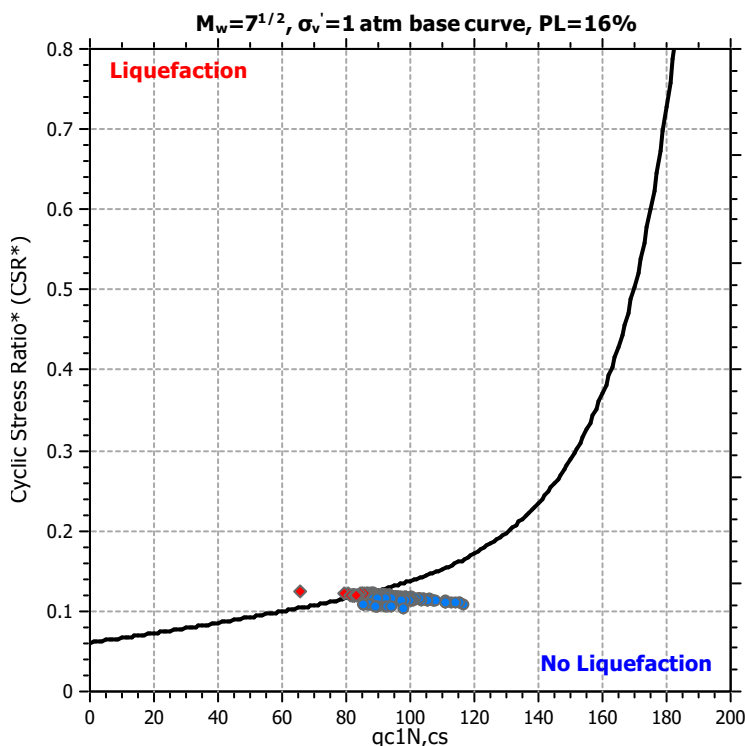
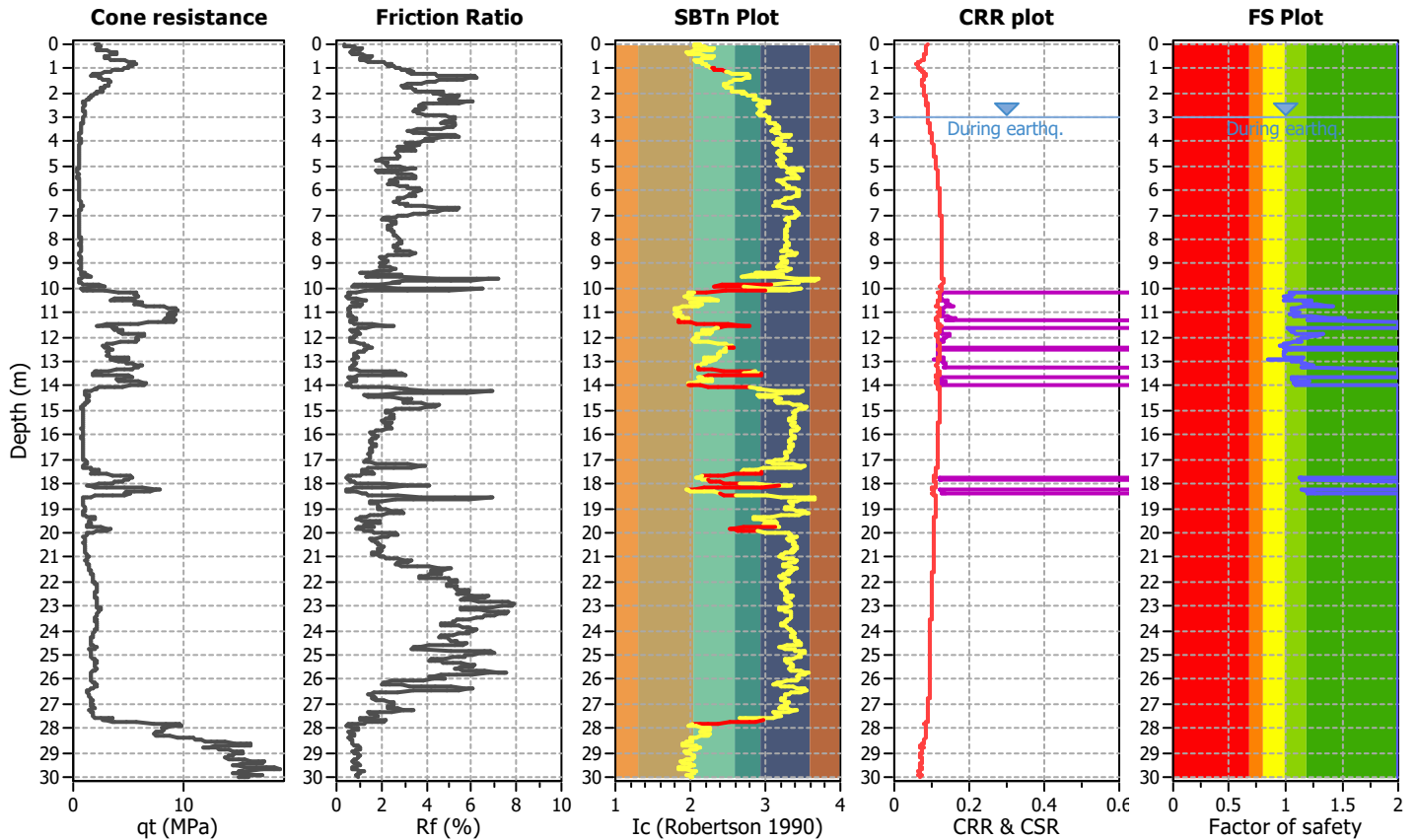
Project title :

Location :

CPT file : rif. U82 CPTU2 Migliaro soc Pun

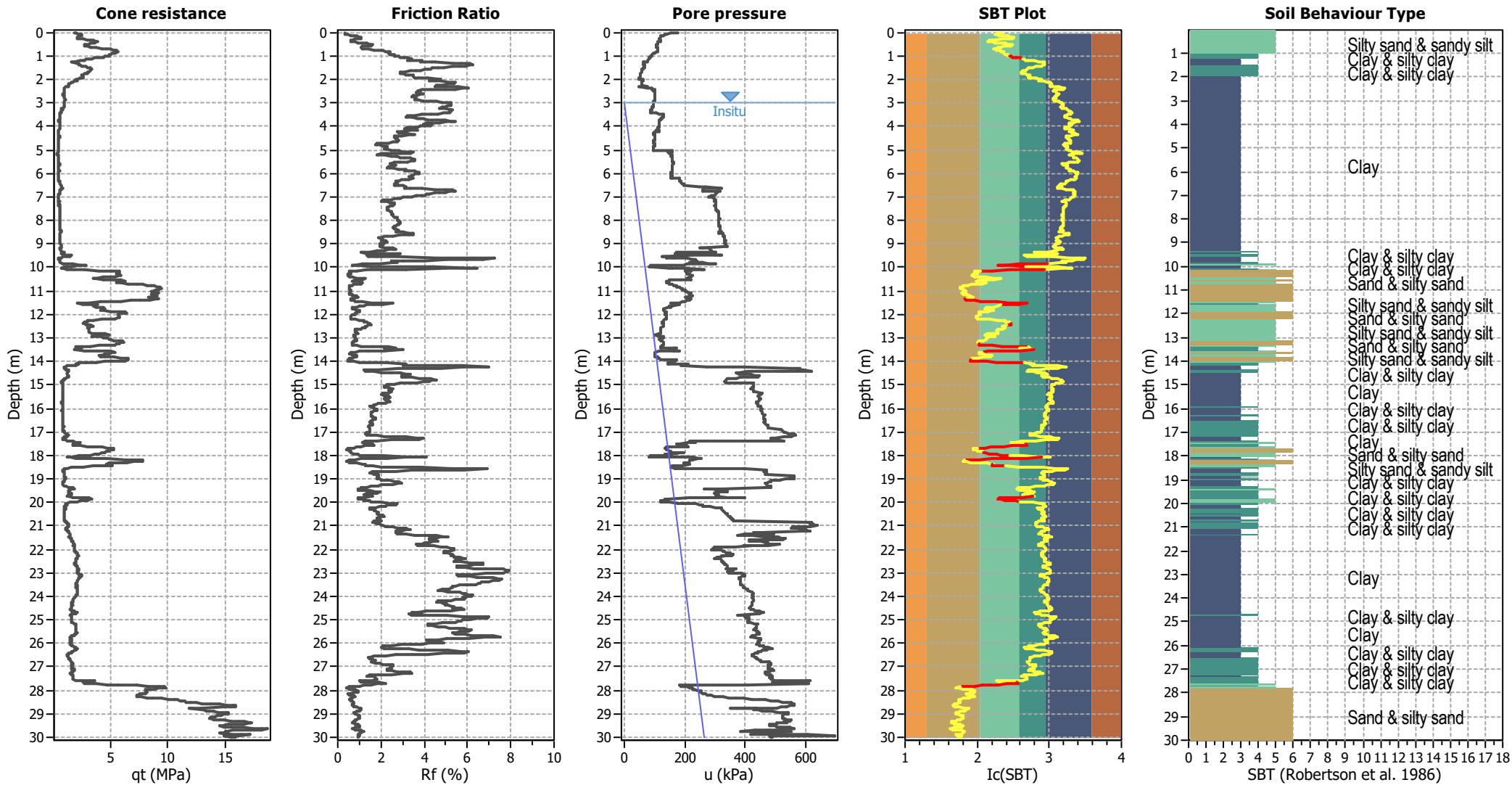
Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	3.00 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	3.00 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	5.50	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	Limit depth:	20.00 m
Peak ground acceleration:	0.14	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	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



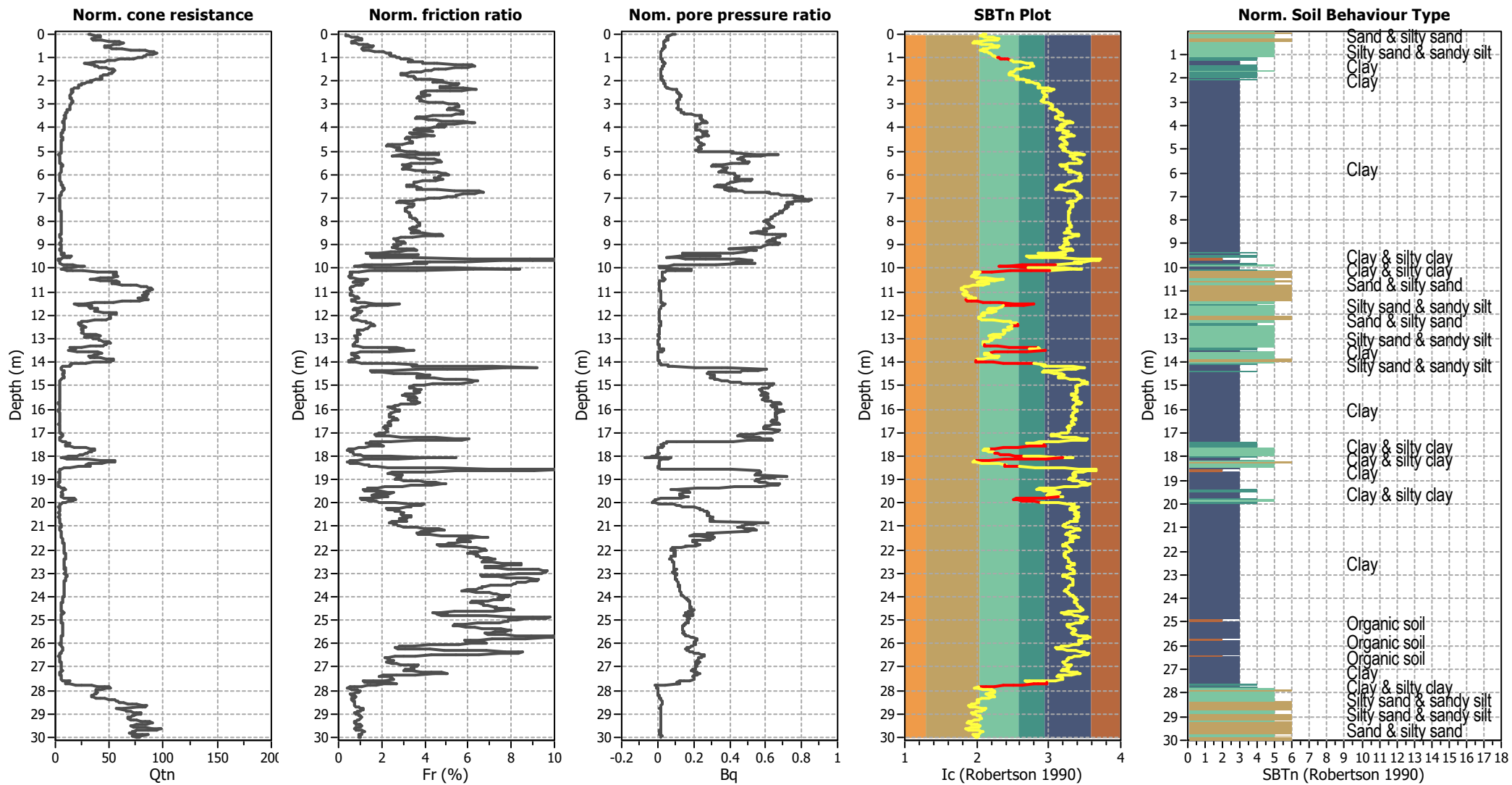
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K ₀ applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

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)



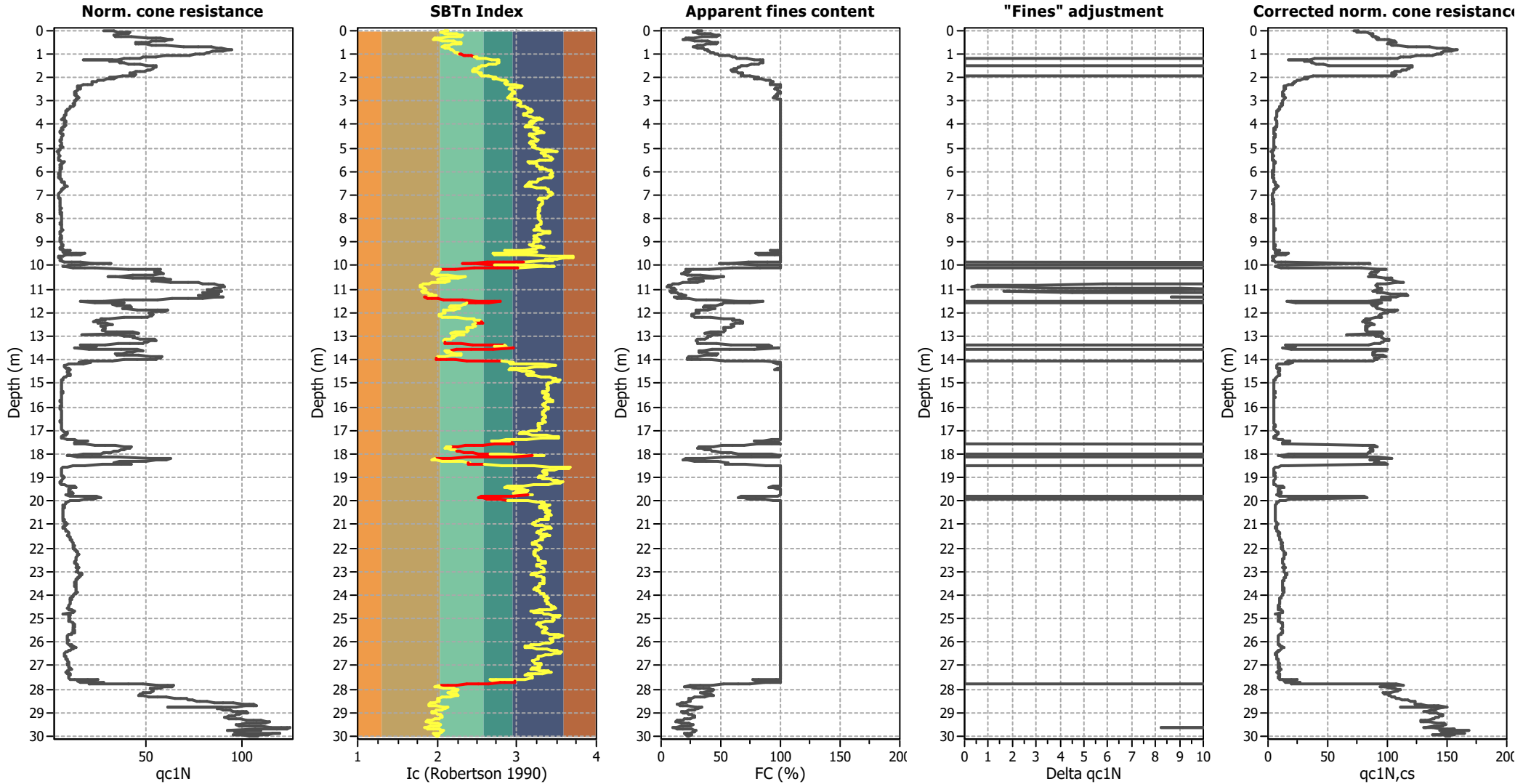
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _s applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

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

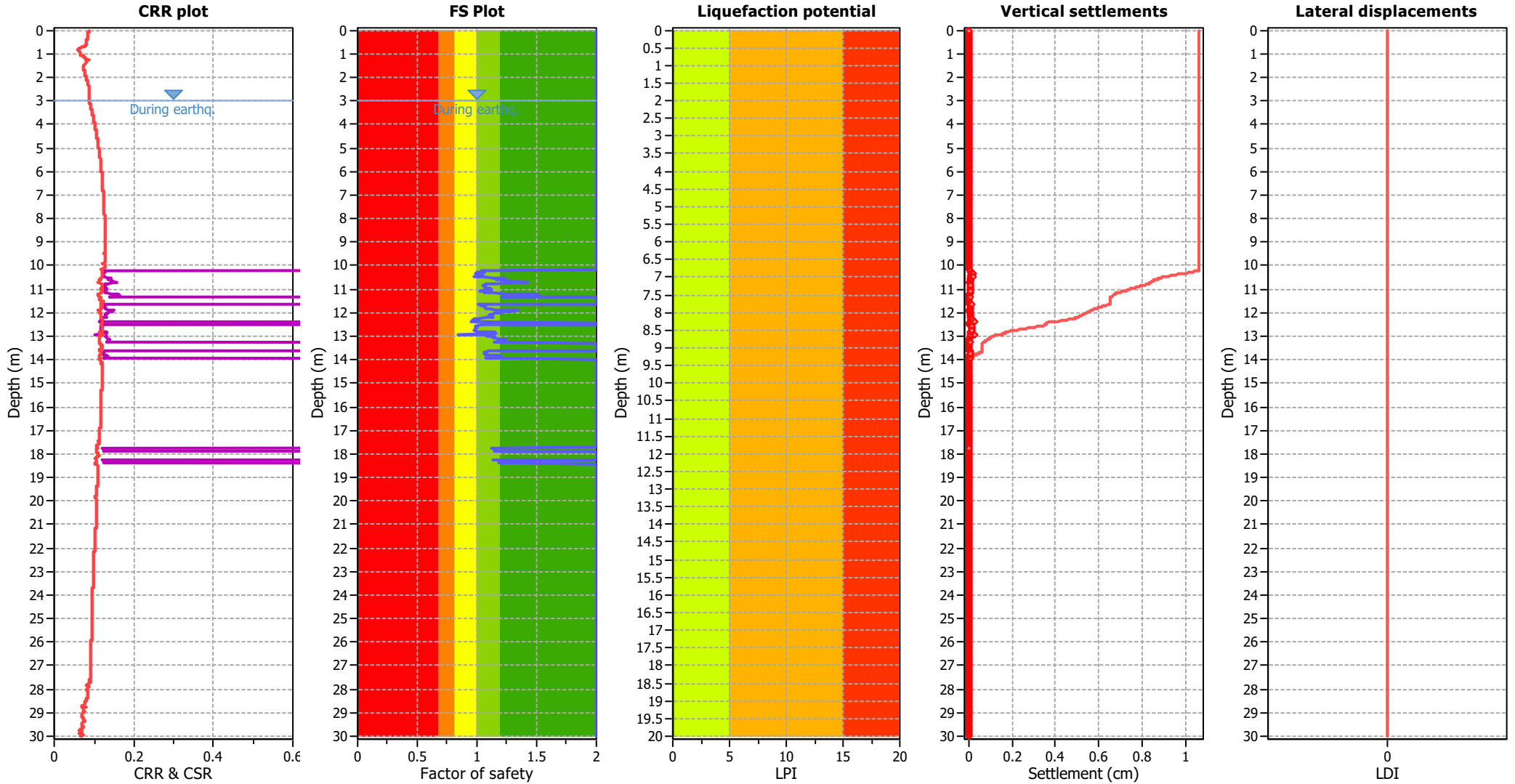
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on I_c value	I_c cut-off value:	2.60	K_s applied:	Yes
Earthquake magnitude M_w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

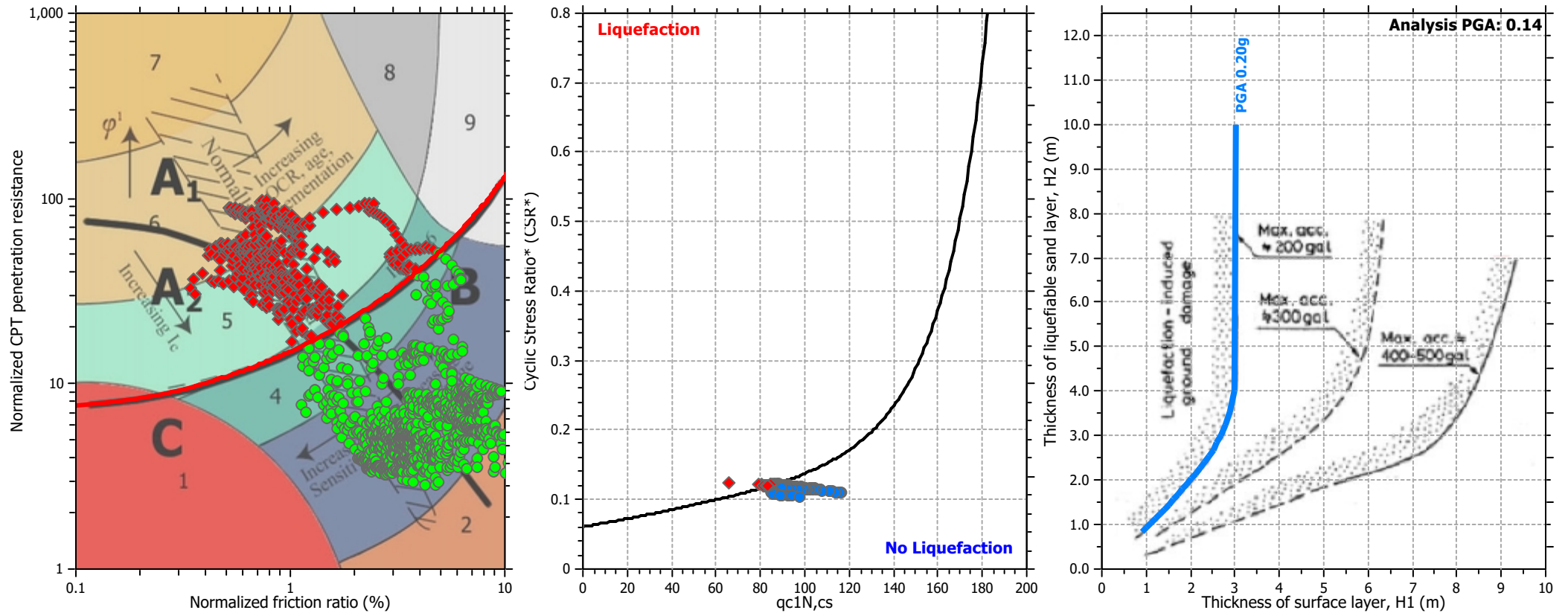
Analysis method:	B&I (2014)	Depth to GWT (earthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _s applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

F.S. color scheme

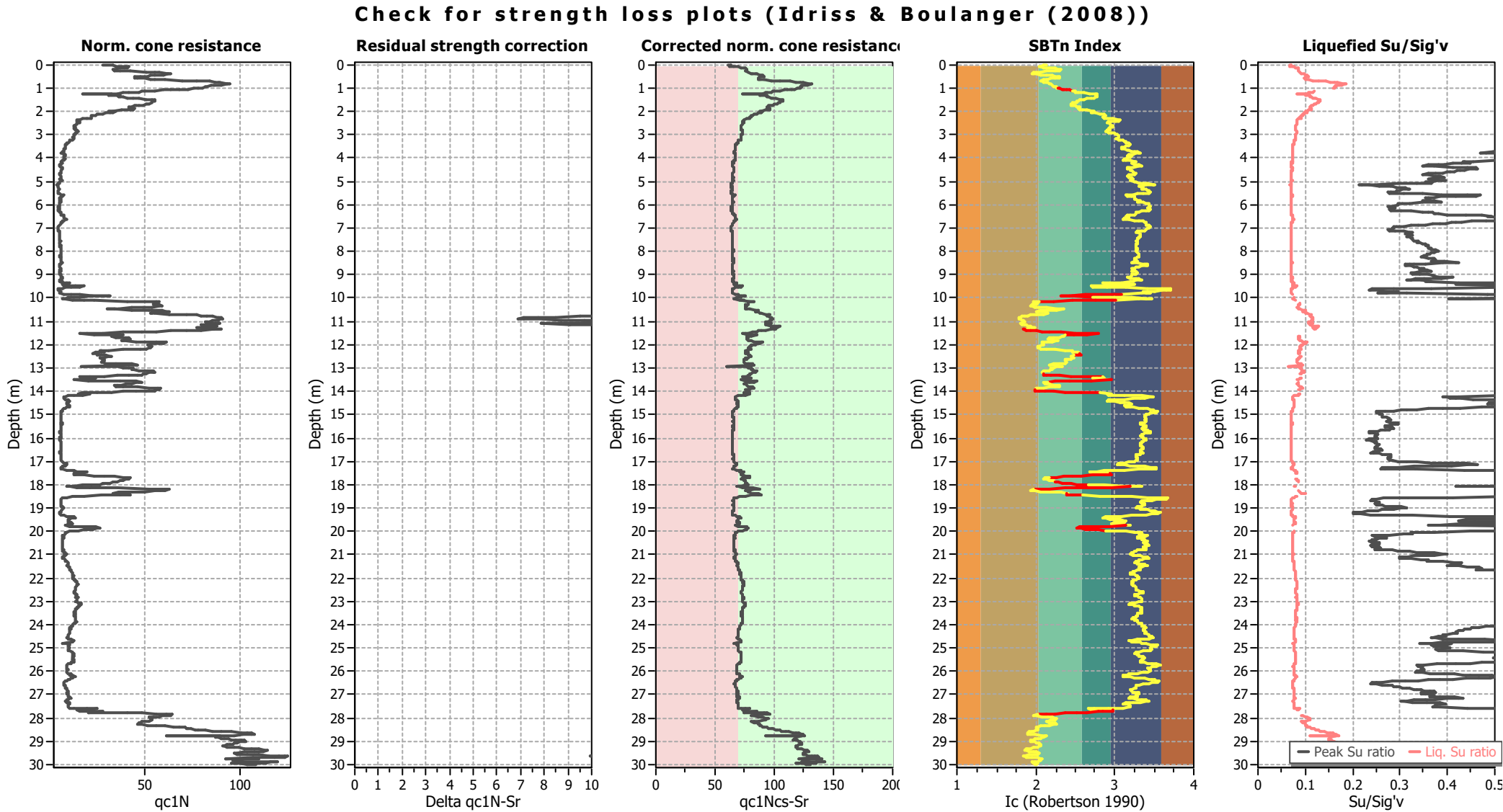
Red	Almost certain it will liquefy
Orange	Very likely to liquefy
Yellow	Liquefaction and no liq. are equally likely
Light green	Unlike to liquefy
Dark green	Almost certain it will not liquefy

LPI color scheme

Red	Very high risk
Orange	High risk
Yellow	Low risk



Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _o applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _s applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

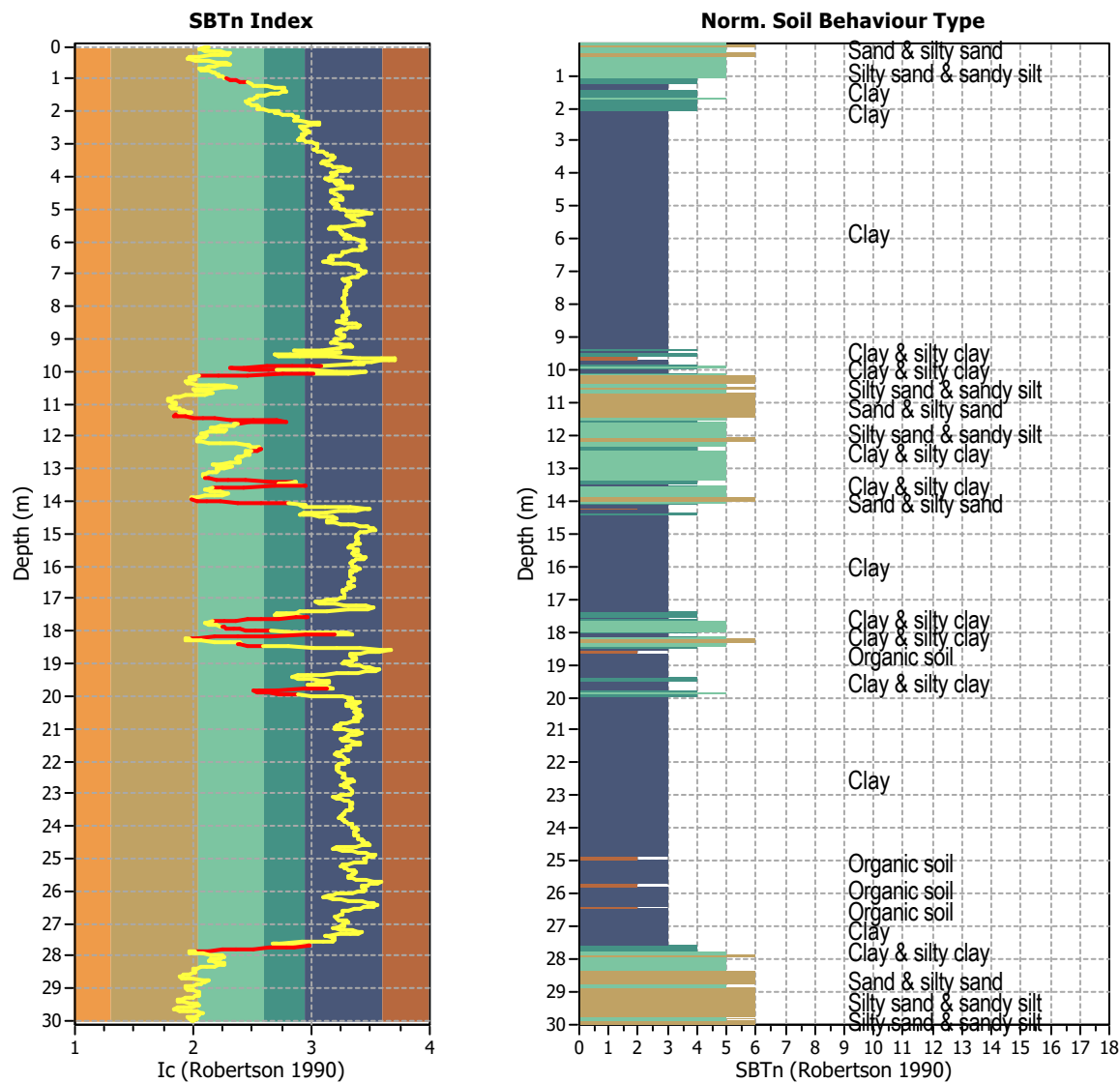
TRANSITION LAYER DETECTION ALGORITHM REPORT

Summary Details & Plots

Short description

The software will delete data when the cone is in transition from either clay to sand or vise-versa. To do this the software requires a range of I_c values over which the transition will be defined (typically somewhere between $1.80 < I_c < 3.0$) and a rate of change of I_c . Transitions typically occur when the rate of change of I_c is fast (i.e. ΔI_c is small).

The SBT_n plot below, displays in red the detected transition layers based on the parameters listed below the graphs.



Transition layer algorithm properties

I_c minimum check value: 1.70
 I_c maximum check value: 3.00
 I_c change ratio value: 0.0100
Minimum number of points in layer: 4

General statistics

Total points in CPT file: 1500
Total points excluded: 110
Exclusion percentage: 7.33%
Number of layers detected: 17

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	2.00	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	2.00	0.00	0.00	0.02	0.00	2.84	2.00	0.00	0.00	0.02	0.00
2.86	2.00	0.00	0.00	0.02	0.00	2.88	2.00	0.00	0.00	0.02	0.00
2.90	2.00	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.02	0.00	3.60	2.00	0.00	0.00	0.02	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.18	2.00	0.00	0.00	0.02	0.00	5.20	2.00	0.00	0.00	0.02	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	2.00	0.00	0.00	0.02	0.00
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00
5.98	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.02	0.00
6.02	2.00	0.00	0.00	0.02	0.00	6.04	2.00	0.00	0.00	0.02	0.00
6.06	2.00	0.00	0.00	0.02	0.00	6.08	2.00	0.00	0.00	0.02	0.00
6.10	2.00	0.00	0.00	0.02	0.00	6.12	2.00	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.70	2.00	0.00	0.00	0.02	0.00	6.72	2.00	0.00	0.00	0.02	0.00
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	2.00	0.00	0.00	0.02	0.00	6.96	2.00	0.00	0.00	0.02	0.00
6.98	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.02	0.00
7.02	2.00	0.00	0.00	0.02	0.00	7.04	2.00	0.00	0.00	0.02	0.00
7.06	2.00	0.00	0.00	0.02	0.00	7.08	2.00	0.00	0.00	0.02	0.00
7.10	2.00	0.00	0.00	0.02	0.00	7.12	2.00	0.00	0.00	0.02	0.00
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	2.00	0.00	0.00	0.02	0.00	7.48	2.00	0.00	0.00	0.02	0.00
7.50	2.00	0.00	0.00	0.02	0.00	7.52	2.00	0.00	0.00	0.02	0.00
7.54	2.00	0.00	0.00	0.02	0.00	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	2.00	0.00	0.00	0.02	0.00	7.64	2.00	0.00	0.00	0.02	0.00
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	2.00	0.00	0.00	0.02	0.00	8.12	2.00	0.00	0.00	0.02	0.00
8.14	2.00	0.00	0.00	0.02	0.00	8.16	2.00	0.00	0.00	0.02	0.00
8.18	2.00	0.00	0.00	0.02	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.02	0.00	8.24	2.00	0.00	0.00	0.02	0.00
8.26	2.00	0.00	0.00	0.02	0.00	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	2.00	0.00	0.00	0.02	0.00
8.86	2.00	0.00	0.00	0.02	0.00	8.88	2.00	0.00	0.00	0.02	0.00
8.90	2.00	0.00	0.00	0.02	0.00	8.92	2.00	0.00	0.00	0.02	0.00
8.94	2.00	0.00	0.00	0.02	0.00	8.96	2.00	0.00	0.00	0.02	0.00
8.98	2.00	0.00	0.00	0.02	0.00	9.00	2.00	0.00	0.00	0.02	0.00
9.02	2.00	0.00	0.00	0.02	0.00	9.04	2.00	0.00	0.00	0.02	0.00
9.06	2.00	0.00	0.00	0.02	0.00	9.08	2.00	0.00	0.00	0.02	0.00
9.10	2.00	0.00	0.00	0.02	0.00	9.12	2.00	0.00	0.00	0.02	0.00
9.14	2.00	0.00	0.00	0.02	0.00	9.16	2.00	0.00	0.00	0.02	0.00
9.18	2.00	0.00	0.00	0.02	0.00	9.20	2.00	0.00	0.00	0.02	0.00
9.22	2.00	0.00	0.00	0.02	0.00	9.24	2.00	0.00	0.00	0.02	0.00
9.26	2.00	0.00	0.00	0.02	0.00	9.28	2.00	0.00	0.00	0.02	0.00
9.30	2.00	0.00	0.00	0.02	0.00	9.32	2.00	0.00	0.00	0.02	0.00
9.34	2.00	0.00	0.00	0.02	0.00	9.36	2.00	0.00	0.00	0.02	0.00
9.38	2.00	0.00	0.00	0.02	0.00	9.40	2.00	0.00	0.00	0.02	0.00
9.42	2.00	0.00	0.00	0.02	0.00	9.44	2.00	0.00	0.00	0.02	0.00
9.46	2.00	0.00	0.00	0.02	0.00	9.48	2.00	0.00	0.00	0.02	0.00
9.50	2.00	0.00	0.00	0.02	0.00	9.52	2.00	0.00	0.00	0.02	0.00
9.54	2.00	0.00	0.00	0.02	0.00	9.56	2.00	0.00	0.00	0.02	0.00
9.58	2.00	0.00	0.00	0.02	0.00	9.60	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
9.62	2.00	0.00	0.00	0.02	0.00	9.64	2.00	0.00	0.00	0.02	0.00
9.66	2.00	0.00	0.00	0.02	0.00	9.68	2.00	0.00	0.00	0.02	0.00
9.70	2.00	0.00	0.00	0.02	0.00	9.72	2.00	0.00	0.00	0.02	0.00
9.74	2.00	0.00	0.00	0.02	0.00	9.76	2.00	0.00	0.00	0.02	0.00
9.78	2.00	0.00	0.00	0.02	0.00	9.80	2.00	0.00	0.00	0.02	0.00
9.82	2.00	0.00	0.00	0.02	0.00	9.84	2.00	0.00	0.00	0.02	0.00
9.86	2.00	0.00	0.00	0.02	0.00	9.88	2.00	0.00	0.00	0.02	0.00
9.90	2.00	0.00	0.00	0.02	0.00	9.92	2.00	0.00	0.00	0.02	0.00
9.94	2.00	0.00	0.00	0.02	0.00	9.96	2.00	0.00	0.00	0.02	0.00
9.98	2.00	0.00	0.00	0.02	0.00	10.00	2.00	0.00	0.00	0.02	0.00
10.02	2.00	0.00	0.00	0.02	0.00	10.04	2.00	0.00	0.00	0.02	0.00
10.06	2.00	0.00	0.00	0.02	0.00	10.08	2.00	0.00	0.00	0.02	0.00
10.10	2.00	0.00	0.00	0.02	0.00	10.12	2.00	0.00	0.00	0.02	0.00
10.14	2.00	0.00	0.00	0.02	0.00	10.16	2.00	0.00	0.00	0.02	0.00
10.18	2.00	0.00	0.00	0.02	0.00	10.20	1.04	0.00	0.00	0.02	0.00
10.22	1.07	0.00	0.00	0.02	0.00	10.24	1.08	0.00	0.00	0.02	0.00
10.26	1.06	0.00	0.00	0.02	0.00	10.28	1.04	0.00	0.00	0.02	0.00
10.30	1.00	0.00	0.00	0.02	0.00	10.32	0.98	0.00	0.00	0.02	0.00
10.34	0.98	0.00	0.00	0.02	0.00	10.36	0.99	0.00	0.00	0.02	0.00
10.38	1.02	0.00	0.00	0.02	0.00	10.40	1.03	0.00	0.00	0.02	0.00
10.42	1.05	0.00	0.00	0.02	0.00	10.44	1.02	0.00	0.00	0.02	0.00
10.46	0.98	0.00	0.00	0.02	0.00	10.48	1.04	0.00	0.00	0.02	0.00
10.50	1.13	0.00	0.00	0.02	0.00	10.52	1.22	0.00	0.00	0.02	0.00
10.54	1.23	0.00	0.00	0.02	0.00	10.56	1.16	0.00	0.00	0.02	0.00
10.58	1.23	0.00	0.00	0.02	0.00	10.60	1.19	0.00	0.00	0.02	0.00
10.62	1.23	0.00	0.00	0.02	0.00	10.64	1.26	0.00	0.00	0.02	0.00
10.66	1.26	0.00	0.00	0.02	0.00	10.68	1.28	0.00	0.00	0.02	0.00
10.70	1.38	0.00	0.00	0.02	0.00	10.72	1.42	0.00	0.00	0.02	0.00
10.74	1.31	0.00	0.00	0.02	0.00	10.76	1.16	0.00	0.00	0.02	0.00
10.78	1.09	0.00	0.00	0.02	0.00	10.80	1.07	0.00	0.00	0.02	0.00
10.82	1.06	0.00	0.00	0.02	0.00	10.84	1.05	0.00	0.00	0.02	0.00
10.86	1.06	0.00	0.00	0.02	0.00	10.88	1.07	0.00	0.00	0.02	0.00
10.90	1.07	0.00	0.00	0.02	0.00	10.92	1.07	0.00	0.00	0.02	0.00
10.94	1.08	0.00	0.00	0.02	0.00	10.96	1.10	0.00	0.00	0.02	0.00
10.98	1.11	0.00	0.00	0.02	0.00	11.00	1.12	0.00	0.00	0.02	0.00
11.02	1.11	0.00	0.00	0.02	0.00	11.04	1.07	0.00	0.00	0.02	0.00
11.06	1.03	0.00	0.00	0.02	0.00	11.08	1.03	0.00	0.00	0.02	0.00
11.10	1.06	0.00	0.00	0.02	0.00	11.12	1.07	0.00	0.00	0.02	0.00
11.14	1.10	0.00	0.00	0.02	0.00	11.16	1.13	0.00	0.00	0.02	0.00
11.18	1.23	0.00	0.00	0.02	0.00	11.20	1.39	0.00	0.00	0.02	0.00
11.22	1.50	0.00	0.00	0.02	0.00	11.24	1.53	0.00	0.00	0.02	0.00
11.26	1.50	0.00	0.00	0.02	0.00	11.28	1.46	0.00	0.00	0.02	0.00
11.30	1.39	0.00	0.00	0.02	0.00	11.32	1.31	0.00	0.00	0.02	0.00
11.34	1.20	0.00	0.00	0.02	0.00	11.36	2.00	0.00	0.00	0.02	0.00
11.38	2.00	0.00	0.00	0.02	0.00	11.40	2.00	0.00	0.00	0.02	0.00
11.42	2.00	0.00	0.00	0.02	0.00	11.44	2.00	0.00	0.00	0.02	0.00
11.46	2.00	0.00	0.00	0.02	0.00	11.48	2.00	0.00	0.00	0.02	0.00
11.50	2.00	0.00	0.00	0.02	0.00	11.52	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
11.54	2.00	0.00	0.00	0.02	0.00	11.56	2.00	0.00	0.00	0.02	0.00
11.58	2.00	0.00	0.00	0.02	0.00	11.60	2.00	0.00	0.00	0.02	0.00
11.62	2.00	0.00	0.00	0.02	0.00	11.64	1.02	0.00	0.00	0.02	0.00
11.66	1.01	0.00	0.00	0.02	0.00	11.68	1.03	0.00	0.00	0.02	0.00
11.70	1.06	0.00	0.00	0.02	0.00	11.72	1.07	0.00	0.00	0.02	0.00
11.74	1.06	0.00	0.00	0.02	0.00	11.76	1.06	0.00	0.00	0.02	0.00
11.78	1.06	0.00	0.00	0.02	0.00	11.80	1.07	0.00	0.00	0.02	0.00
11.82	1.07	0.00	0.00	0.02	0.00	11.84	1.09	0.00	0.00	0.02	0.00
11.86	1.16	0.00	0.00	0.02	0.00	11.88	1.29	0.00	0.00	0.02	0.00
11.90	1.34	0.00	0.00	0.02	0.00	11.92	1.29	0.00	0.00	0.02	0.00
11.94	1.26	0.00	0.00	0.02	0.00	11.96	1.24	0.00	0.00	0.02	0.00
11.98	1.22	0.00	0.00	0.02	0.00	12.00	1.19	0.00	0.00	0.02	0.00
12.02	1.16	0.00	0.00	0.02	0.00	12.04	1.14	0.00	0.00	0.02	0.00
12.06	1.13	0.00	0.00	0.02	0.00	12.08	1.12	0.00	0.00	0.02	0.00
12.10	1.11	0.00	0.00	0.02	0.00	12.12	1.10	0.00	0.00	0.02	0.00
12.14	1.10	0.00	0.00	0.02	0.00	12.16	1.11	0.00	0.00	0.02	0.00
12.18	1.12	0.00	0.00	0.02	0.00	12.20	1.13	0.00	0.00	0.02	0.00
12.22	1.07	0.00	0.00	0.02	0.00	12.24	1.02	0.00	0.00	0.02	0.00
12.26	0.98	0.00	0.00	0.02	0.00	12.28	0.98	0.00	0.00	0.02	0.00
12.30	1.01	0.00	0.00	0.02	0.00	12.32	0.99	0.00	0.00	0.02	0.00
12.34	0.96	0.00	0.00	0.02	0.00	12.36	0.95	0.00	0.00	0.02	0.00
12.38	0.98	0.00	0.00	0.02	0.00	12.40	0.98	0.00	0.00	0.02	0.00
12.42	2.00	0.00	0.00	0.02	0.00	12.44	2.00	0.00	0.00	0.02	0.00
12.46	2.00	0.00	0.00	0.02	0.00	12.48	2.00	0.00	0.00	0.02	0.00
12.50	1.06	0.00	0.00	0.02	0.00	12.52	1.03	0.00	0.00	0.02	0.00
12.54	1.00	0.00	0.00	0.02	0.00	12.56	0.99	0.00	0.00	0.02	0.00
12.58	0.98	0.00	0.00	0.02	0.00	12.60	1.00	0.00	0.00	0.02	0.00
12.62	1.00	0.00	0.00	0.02	0.00	12.64	0.99	0.00	0.00	0.02	0.00
12.66	0.98	0.00	0.00	0.02	0.00	12.68	0.99	0.00	0.00	0.02	0.00
12.70	0.99	0.00	0.00	0.02	0.00	12.72	0.98	0.00	0.00	0.02	0.00
12.74	0.98	0.00	0.00	0.02	0.00	12.76	0.98	0.00	0.00	0.02	0.00
12.78	0.99	0.00	0.00	0.02	0.00	12.80	1.00	0.00	0.00	0.02	0.00
12.82	1.05	0.00	0.00	0.02	0.00	12.84	1.15	0.00	0.00	0.02	0.00
12.86	1.16	0.00	0.00	0.02	0.00	12.88	1.14	0.00	0.00	0.02	0.00
12.90	1.15	0.00	0.00	0.02	0.00	12.92	0.84	0.00	0.00	0.02	0.01
12.94	1.09	0.00	0.00	0.02	0.00	12.96	1.06	0.00	0.00	0.02	0.00
12.98	1.08	0.00	0.00	0.02	0.00	13.00	1.11	0.00	0.00	0.02	0.00
13.02	1.14	0.00	0.00	0.02	0.00	13.04	1.14	0.00	0.00	0.02	0.00
13.06	1.14	0.00	0.00	0.02	0.00	13.08	1.15	0.00	0.00	0.02	0.00
13.10	1.18	0.00	0.00	0.02	0.00	13.12	1.22	0.00	0.00	0.02	0.00
13.14	1.24	0.00	0.00	0.02	0.00	13.16	1.23	0.00	0.00	0.02	0.00
13.18	1.21	0.00	0.00	0.02	0.00	13.20	1.18	0.00	0.00	0.02	0.00
13.22	1.17	0.00	0.00	0.02	0.00	13.24	1.15	0.00	0.00	0.02	0.00
13.26	1.14	0.00	0.00	0.02	0.00	13.28	2.00	0.00	0.00	0.02	0.00
13.30	2.00	0.00	0.00	0.02	0.00	13.32	2.00	0.00	0.00	0.02	0.00
13.34	2.00	0.00	0.00	0.02	0.00	13.36	2.00	0.00	0.00	0.02	0.00
13.38	2.00	0.00	0.00	0.02	0.00	13.40	2.00	0.00	0.00	0.02	0.00
13.42	2.00	0.00	0.00	0.02	0.00	13.44	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
13.46	2.00	0.00	0.00	0.02	0.00	13.48	2.00	0.00	0.00	0.02	0.00
13.50	2.00	0.00	0.00	0.02	0.00	13.52	2.00	0.00	0.00	0.02	0.00
13.54	2.00	0.00	0.00	0.02	0.00	13.56	2.00	0.00	0.00	0.02	0.00
13.58	2.00	0.00	0.00	0.02	0.00	13.60	2.00	0.00	0.00	0.02	0.00
13.62	2.00	0.00	0.00	0.02	0.00	13.64	1.10	0.00	0.00	0.02	0.00
13.66	1.08	0.00	0.00	0.02	0.00	13.68	1.06	0.00	0.00	0.02	0.00
13.70	1.08	0.00	0.00	0.02	0.00	13.72	1.08	0.00	0.00	0.02	0.00
13.74	1.06	0.00	0.00	0.02	0.00	13.76	1.06	0.00	0.00	0.02	0.00
13.78	1.07	0.00	0.00	0.02	0.00	13.80	1.10	0.00	0.00	0.02	0.00
13.82	1.17	0.00	0.00	0.02	0.00	13.84	1.21	0.00	0.00	0.02	0.00
13.86	1.19	0.00	0.00	0.02	0.00	13.88	1.15	0.00	0.00	0.02	0.00
13.90	1.13	0.00	0.00	0.02	0.00	13.92	1.08	0.00	0.00	0.02	0.00
13.94	1.09	0.00	0.00	0.02	0.00	13.96	2.00	0.00	0.00	0.02	0.00
13.98	2.00	0.00	0.00	0.02	0.00	14.00	2.00	0.00	0.00	0.02	0.00
14.02	2.00	0.00	0.00	0.02	0.00	14.04	2.00	0.00	0.00	0.02	0.00
14.06	2.00	0.00	0.00	0.02	0.00	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	2.00	0.00	0.00	0.02	0.00
14.14	2.00	0.00	0.00	0.02	0.00	14.16	2.00	0.00	0.00	0.02	0.00
14.18	2.00	0.00	0.00	0.02	0.00	14.20	2.00	0.00	0.00	0.02	0.00
14.22	2.00	0.00	0.00	0.02	0.00	14.24	2.00	0.00	0.00	0.02	0.00
14.26	2.00	0.00	0.00	0.02	0.00	14.28	2.00	0.00	0.00	0.02	0.00
14.30	2.00	0.00	0.00	0.02	0.00	14.32	2.00	0.00	0.00	0.02	0.00
14.34	2.00	0.00	0.00	0.02	0.00	14.36	2.00	0.00	0.00	0.02	0.00
14.38	2.00	0.00	0.00	0.02	0.00	14.40	2.00	0.00	0.00	0.02	0.00
14.42	2.00	0.00	0.00	0.02	0.00	14.44	2.00	0.00	0.00	0.02	0.00
14.46	2.00	0.00	0.00	0.02	0.00	14.48	2.00	0.00	0.00	0.02	0.00
14.50	2.00	0.00	0.00	0.02	0.00	14.52	2.00	0.00	0.00	0.02	0.00
14.54	2.00	0.00	0.00	0.02	0.00	14.56	2.00	0.00	0.00	0.02	0.00
14.58	2.00	0.00	0.00	0.02	0.00	14.60	2.00	0.00	0.00	0.02	0.00
14.62	2.00	0.00	0.00	0.02	0.00	14.64	2.00	0.00	0.00	0.02	0.00
14.66	2.00	0.00	0.00	0.02	0.00	14.68	2.00	0.00	0.00	0.02	0.00
14.70	2.00	0.00	0.00	0.02	0.00	14.72	2.00	0.00	0.00	0.02	0.00
14.74	2.00	0.00	0.00	0.02	0.00	14.76	2.00	0.00	0.00	0.02	0.00
14.78	2.00	0.00	0.00	0.02	0.00	14.80	2.00	0.00	0.00	0.02	0.00
14.82	2.00	0.00	0.00	0.02	0.00	14.84	2.00	0.00	0.00	0.02	0.00
14.86	2.00	0.00	0.00	0.02	0.00	14.88	2.00	0.00	0.00	0.02	0.00
14.90	2.00	0.00	0.00	0.02	0.00	14.92	2.00	0.00	0.00	0.02	0.00
14.94	2.00	0.00	0.00	0.02	0.00	14.96	2.00	0.00	0.00	0.02	0.00
14.98	2.00	0.00	0.00	0.02	0.00	15.00	2.00	0.00	0.00	0.02	0.00
15.02	2.00	0.00	0.00	0.02	0.00	15.04	2.00	0.00	0.00	0.02	0.00
15.06	2.00	0.00	0.00	0.02	0.00	15.08	2.00	0.00	0.00	0.02	0.00
15.10	2.00	0.00	0.00	0.02	0.00	15.12	2.00	0.00	0.00	0.02	0.00
15.14	2.00	0.00	0.00	0.02	0.00	15.16	2.00	0.00	0.00	0.02	0.00
15.18	2.00	0.00	0.00	0.02	0.00	15.20	2.00	0.00	0.00	0.02	0.00
15.22	2.00	0.00	0.00	0.02	0.00	15.24	2.00	0.00	0.00	0.02	0.00
15.26	2.00	0.00	0.00	0.02	0.00	15.28	2.00	0.00	0.00	0.02	0.00
15.30	2.00	0.00	0.00	0.02	0.00	15.32	2.00	0.00	0.00	0.02	0.00
15.34	2.00	0.00	0.00	0.02	0.00	15.36	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
15.38	2.00	0.00	0.00	0.02	0.00	15.40	2.00	0.00	0.00	0.02	0.00
15.42	2.00	0.00	0.00	0.02	0.00	15.44	2.00	0.00	0.00	0.02	0.00
15.46	2.00	0.00	0.00	0.02	0.00	15.48	2.00	0.00	0.00	0.02	0.00
15.50	2.00	0.00	0.00	0.02	0.00	15.52	2.00	0.00	0.00	0.02	0.00
15.54	2.00	0.00	0.00	0.02	0.00	15.56	2.00	0.00	0.00	0.02	0.00
15.58	2.00	0.00	0.00	0.02	0.00	15.60	2.00	0.00	0.00	0.02	0.00
15.62	2.00	0.00	0.00	0.02	0.00	15.64	2.00	0.00	0.00	0.02	0.00
15.66	2.00	0.00	0.00	0.02	0.00	15.68	2.00	0.00	0.00	0.02	0.00
15.70	2.00	0.00	0.00	0.02	0.00	15.72	2.00	0.00	0.00	0.02	0.00
15.74	2.00	0.00	0.00	0.02	0.00	15.76	2.00	0.00	0.00	0.02	0.00
15.78	2.00	0.00	0.00	0.02	0.00	15.80	2.00	0.00	0.00	0.02	0.00
15.82	2.00	0.00	0.00	0.02	0.00	15.84	2.00	0.00	0.00	0.02	0.00
15.86	2.00	0.00	0.00	0.02	0.00	15.88	2.00	0.00	0.00	0.02	0.00
15.90	2.00	0.00	0.00	0.02	0.00	15.92	2.00	0.00	0.00	0.02	0.00
15.94	2.00	0.00	0.00	0.02	0.00	15.96	2.00	0.00	0.00	0.02	0.00
15.98	2.00	0.00	0.00	0.02	0.00	16.00	2.00	0.00	0.00	0.02	0.00
16.02	2.00	0.00	0.00	0.02	0.00	16.04	2.00	0.00	0.00	0.02	0.00
16.06	2.00	0.00	0.00	0.02	0.00	16.08	2.00	0.00	0.00	0.02	0.00
16.10	2.00	0.00	0.00	0.02	0.00	16.12	2.00	0.00	0.00	0.02	0.00
16.14	2.00	0.00	0.00	0.02	0.00	16.16	2.00	0.00	0.00	0.02	0.00
16.18	2.00	0.00	0.00	0.02	0.00	16.20	2.00	0.00	0.00	0.02	0.00
16.22	2.00	0.00	0.00	0.02	0.00	16.24	2.00	0.00	0.00	0.02	0.00
16.26	2.00	0.00	0.00	0.02	0.00	16.28	2.00	0.00	0.00	0.02	0.00
16.30	2.00	0.00	0.00	0.02	0.00	16.32	2.00	0.00	0.00	0.02	0.00
16.34	2.00	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.42	2.00	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	2.00	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.56	2.00	0.00	0.00	0.02	0.00
16.58	2.00	0.00	0.00	0.02	0.00	16.60	2.00	0.00	0.00	0.02	0.00
16.62	2.00	0.00	0.00	0.02	0.00	16.64	2.00	0.00	0.00	0.02	0.00
16.66	2.00	0.00	0.00	0.02	0.00	16.68	2.00	0.00	0.00	0.02	0.00
16.70	2.00	0.00	0.00	0.02	0.00	16.72	2.00	0.00	0.00	0.02	0.00
16.74	2.00	0.00	0.00	0.02	0.00	16.76	2.00	0.00	0.00	0.02	0.00
16.78	2.00	0.00	0.00	0.02	0.00	16.80	2.00	0.00	0.00	0.02	0.00
16.82	2.00	0.00	0.00	0.02	0.00	16.84	2.00	0.00	0.00	0.02	0.00
16.86	2.00	0.00	0.00	0.02	0.00	16.88	2.00	0.00	0.00	0.02	0.00
16.90	2.00	0.00	0.00	0.02	0.00	16.92	2.00	0.00	0.00	0.02	0.00
16.94	2.00	0.00	0.00	0.02	0.00	16.96	2.00	0.00	0.00	0.02	0.00
16.98	2.00	0.00	0.00	0.02	0.00	17.00	2.00	0.00	0.00	0.02	0.00
17.02	2.00	0.00	0.00	0.02	0.00	17.04	2.00	0.00	0.00	0.02	0.00
17.06	2.00	0.00	0.00	0.02	0.00	17.08	2.00	0.00	0.00	0.02	0.00
17.10	2.00	0.00	0.00	0.02	0.00	17.12	2.00	0.00	0.00	0.02	0.00
17.14	2.00	0.00	0.00	0.02	0.00	17.16	2.00	0.00	0.00	0.02	0.00
17.18	2.00	0.00	0.00	0.02	0.00	17.20	2.00	0.00	0.00	0.02	0.00
17.22	2.00	0.00	0.00	0.02	0.00	17.24	2.00	0.00	0.00	0.02	0.00
17.26	2.00	0.00	0.00	0.02	0.00	17.28	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
17.30	2.00	0.00	0.00	0.02	0.00	17.32	2.00	0.00	0.00	0.02	0.00
17.34	2.00	0.00	0.00	0.02	0.00	17.36	2.00	0.00	0.00	0.02	0.00
17.38	2.00	0.00	0.00	0.02	0.00	17.40	2.00	0.00	0.00	0.02	0.00
17.42	2.00	0.00	0.00	0.02	0.00	17.44	2.00	0.00	0.00	0.02	0.00
17.46	2.00	0.00	0.00	0.02	0.00	17.48	2.00	0.00	0.00	0.02	0.00
17.50	2.00	0.00	0.00	0.02	0.00	17.52	2.00	0.00	0.00	0.02	0.00
17.54	2.00	0.00	0.00	0.02	0.00	17.56	2.00	0.00	0.00	0.02	0.00
17.58	2.00	0.00	0.00	0.02	0.00	17.60	2.00	0.00	0.00	0.02	0.00
17.62	2.00	0.00	0.00	0.02	0.00	17.64	2.00	0.00	0.00	0.02	0.00
17.66	2.00	0.00	0.00	0.02	0.00	17.68	2.00	0.00	0.00	0.02	0.00
17.70	2.00	0.00	0.00	0.02	0.00	17.72	2.00	0.00	0.00	0.02	0.00
17.74	1.12	0.00	0.00	0.02	0.00	17.76	1.12	0.00	0.00	0.02	0.00
17.78	1.13	0.00	0.00	0.02	0.00	17.80	1.15	0.00	0.00	0.02	0.00
17.82	1.15	0.00	0.00	0.02	0.00	17.84	1.15	0.00	0.00	0.02	0.00
17.86	1.14	0.00	0.00	0.02	0.00	17.88	2.00	0.00	0.00	0.02	0.00
17.90	2.00	0.00	0.00	0.02	0.00	17.92	2.00	0.00	0.00	0.02	0.00
17.94	2.00	0.00	0.00	0.02	0.00	17.96	2.00	0.00	0.00	0.02	0.00
17.98	2.00	0.00	0.00	0.02	0.00	18.00	2.00	0.00	0.00	0.02	0.00
18.02	2.00	0.00	0.00	0.02	0.00	18.04	2.00	0.00	0.00	0.02	0.00
18.06	2.00	0.00	0.00	0.02	0.00	18.08	2.00	0.00	0.00	0.02	0.00
18.10	2.00	0.00	0.00	0.02	0.00	18.12	2.00	0.00	0.00	0.02	0.00
18.14	2.00	0.00	0.00	0.02	0.00	18.16	2.00	0.00	0.00	0.02	0.00
18.18	2.00	0.00	0.00	0.02	0.00	18.20	2.00	0.00	0.00	0.02	0.00
18.22	2.00	0.00	0.00	0.02	0.00	18.24	2.00	0.00	0.00	0.02	0.00
18.26	1.14	0.00	0.00	0.02	0.00	18.28	1.19	0.00	0.00	0.02	0.00
18.30	1.23	0.00	0.00	0.02	0.00	18.32	1.24	0.00	0.00	0.02	0.00
18.34	1.19	0.00	0.00	0.02	0.00	18.36	1.18	0.00	0.00	0.02	0.00
18.38	1.26	0.00	0.00	0.02	0.00	18.40	1.31	0.00	0.00	0.02	0.00
18.42	2.00	0.00	0.00	0.02	0.00	18.44	2.00	0.00	0.00	0.02	0.00
18.46	2.00	0.00	0.00	0.02	0.00	18.48	2.00	0.00	0.00	0.02	0.00
18.50	2.00	0.00	0.00	0.02	0.00	18.52	2.00	0.00	0.00	0.02	0.00
18.54	2.00	0.00	0.00	0.02	0.00	18.56	2.00	0.00	0.00	0.02	0.00
18.58	2.00	0.00	0.00	0.02	0.00	18.60	2.00	0.00	0.00	0.02	0.00
18.62	2.00	0.00	0.00	0.02	0.00	18.64	2.00	0.00	0.00	0.02	0.00
18.66	2.00	0.00	0.00	0.02	0.00	18.68	2.00	0.00	0.00	0.02	0.00
18.70	2.00	0.00	0.00	0.02	0.00	18.72	2.00	0.00	0.00	0.02	0.00
18.74	2.00	0.00	0.00	0.02	0.00	18.76	2.00	0.00	0.00	0.02	0.00
18.78	2.00	0.00	0.00	0.02	0.00	18.80	2.00	0.00	0.00	0.02	0.00
18.82	2.00	0.00	0.00	0.02	0.00	18.84	2.00	0.00	0.00	0.02	0.00
18.86	2.00	0.00	0.00	0.02	0.00	18.88	2.00	0.00	0.00	0.02	0.00
18.90	2.00	0.00	0.00	0.02	0.00	18.92	2.00	0.00	0.00	0.02	0.00
18.94	2.00	0.00	0.00	0.02	0.00	18.96	2.00	0.00	0.00	0.02	0.00
18.98	2.00	0.00	0.00	0.02	0.00	19.00	2.00	0.00	0.00	0.02	0.00
19.02	2.00	0.00	0.00	0.02	0.00	19.04	2.00	0.00	0.00	0.02	0.00
19.06	2.00	0.00	0.00	0.02	0.00	19.08	2.00	0.00	0.00	0.02	0.00
19.10	2.00	0.00	0.00	0.02	0.00	19.12	2.00	0.00	0.00	0.02	0.00
19.14	2.00	0.00	0.00	0.02	0.00	19.16	2.00	0.00	0.00	0.02	0.00
19.18	2.00	0.00	0.00	0.02	0.00	19.20	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
19.22	2.00	0.00	0.00	0.02	0.00	19.24	2.00	0.00	0.00	0.02	0.00
19.26	2.00	0.00	0.00	0.02	0.00	19.28	2.00	0.00	0.00	0.02	0.00
19.30	2.00	0.00	0.00	0.02	0.00	19.32	2.00	0.00	0.00	0.02	0.00
19.34	2.00	0.00	0.00	0.02	0.00	19.36	2.00	0.00	0.00	0.02	0.00
19.38	2.00	0.00	0.00	0.02	0.00	19.40	2.00	0.00	0.00	0.02	0.00
19.42	2.00	0.00	0.00	0.02	0.00	19.44	2.00	0.00	0.00	0.02	0.00
19.46	2.00	0.00	0.00	0.02	0.00	19.48	2.00	0.00	0.00	0.02	0.00
19.50	2.00	0.00	0.00	0.02	0.00	19.52	2.00	0.00	0.00	0.02	0.00
19.54	2.00	0.00	0.00	0.02	0.00	19.56	2.00	0.00	0.00	0.02	0.00
19.58	2.00	0.00	0.00	0.02	0.00	19.60	2.00	0.00	0.00	0.02	0.00
19.62	2.00	0.00	0.00	0.02	0.00	19.64	2.00	0.00	0.00	0.02	0.00
19.66	2.00	0.00	0.00	0.02	0.00	19.68	2.00	0.00	0.00	0.02	0.00
19.70	2.00	0.00	0.00	0.02	0.00	19.72	2.00	0.00	0.00	0.02	0.00
19.74	2.00	0.00	0.00	0.02	0.00	19.76	2.00	0.00	0.00	0.02	0.00
19.78	2.00	0.00	0.00	0.02	0.00	19.80	2.00	0.00	0.00	0.02	0.00
19.82	2.00	0.00	0.00	0.02	0.00	19.84	2.00	0.00	0.00	0.02	0.00
19.86	2.00	0.00	0.00	0.02	0.00	19.88	2.00	0.00	0.00	0.02	0.00
19.90	2.00	0.00	0.00	0.02	0.00	19.92	2.00	0.00	0.00	0.02	0.00
19.94	2.00	0.00	0.00	0.02	0.00	19.96	2.00	0.00	0.00	0.02	0.00
19.98	2.00	0.00	0.00	0.02	0.00	20.00	2.00	0.00	0.00	0.02	0.00
20.02	2.00	0.00	0.00	0.02	0.00	20.04	2.00	0.00	0.00	0.02	0.00
20.06	2.00	0.00	0.00	0.02	0.00	20.08	2.00	0.00	0.00	0.02	0.00
20.10	2.00	0.00	0.00	0.02	0.00	20.12	2.00	0.00	0.00	0.02	0.00
20.14	2.00	0.00	0.00	0.02	0.00	20.16	2.00	0.00	0.00	0.02	0.00
20.18	2.00	0.00	0.00	0.02	0.00	20.20	2.00	0.00	0.00	0.02	0.00
20.22	2.00	0.00	0.00	0.02	0.00	20.24	2.00	0.00	0.00	0.02	0.00
20.26	2.00	0.00	0.00	0.02	0.00	20.28	2.00	0.00	0.00	0.02	0.00
20.30	2.00	0.00	0.00	0.02	0.00	20.32	2.00	0.00	0.00	0.02	0.00
20.34	2.00	0.00	0.00	0.02	0.00	20.36	2.00	0.00	0.00	0.02	0.00
20.38	2.00	0.00	0.00	0.02	0.00	20.40	2.00	0.00	0.00	0.02	0.00
20.42	2.00	0.00	0.00	0.02	0.00	20.44	2.00	0.00	0.00	0.02	0.00
20.46	2.00	0.00	0.00	0.02	0.00	20.48	2.00	0.00	0.00	0.02	0.00
20.50	2.00	0.00	0.00	0.02	0.00	20.52	2.00	0.00	0.00	0.02	0.00
20.54	2.00	0.00	0.00	0.02	0.00	20.56	2.00	0.00	0.00	0.02	0.00
20.58	2.00	0.00	0.00	0.02	0.00	20.60	2.00	0.00	0.00	0.02	0.00
20.62	2.00	0.00	0.00	0.02	0.00	20.64	2.00	0.00	0.00	0.02	0.00
20.66	2.00	0.00	0.00	0.02	0.00	20.68	2.00	0.00	0.00	0.02	0.00
20.70	2.00	0.00	0.00	0.02	0.00	20.72	2.00	0.00	0.00	0.02	0.00
20.74	2.00	0.00	0.00	0.02	0.00	20.76	2.00	0.00	0.00	0.02	0.00
20.78	2.00	0.00	0.00	0.02	0.00	20.80	2.00	0.00	0.00	0.02	0.00
20.82	2.00	0.00	0.00	0.02	0.00	20.84	2.00	0.00	0.00	0.02	0.00
20.86	2.00	0.00	0.00	0.02	0.00	20.88	2.00	0.00	0.00	0.02	0.00
20.90	2.00	0.00	0.00	0.02	0.00	20.92	2.00	0.00	0.00	0.02	0.00
20.94	2.00	0.00	0.00	0.02	0.00	20.96	2.00	0.00	0.00	0.02	0.00
20.98	2.00	0.00	0.00	0.02	0.00	21.00	2.00	0.00	0.00	0.02	0.00
21.02	2.00	0.00	0.00	0.02	0.00	21.04	2.00	0.00	0.00	0.02	0.00
21.06	2.00	0.00	0.00	0.02	0.00	21.08	2.00	0.00	0.00	0.02	0.00
21.10	2.00	0.00	0.00	0.02	0.00	21.12	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
21.14	2.00	0.00	0.00	0.02	0.00	21.16	2.00	0.00	0.00	0.02	0.00
21.18	2.00	0.00	0.00	0.02	0.00	21.20	2.00	0.00	0.00	0.02	0.00
21.22	2.00	0.00	0.00	0.02	0.00	21.24	2.00	0.00	0.00	0.02	0.00
21.26	2.00	0.00	0.00	0.02	0.00	21.28	2.00	0.00	0.00	0.02	0.00
21.30	2.00	0.00	0.00	0.02	0.00	21.32	2.00	0.00	0.00	0.02	0.00
21.34	2.00	0.00	0.00	0.02	0.00	21.36	2.00	0.00	0.00	0.02	0.00
21.38	2.00	0.00	0.00	0.02	0.00	21.40	2.00	0.00	0.00	0.02	0.00
21.42	2.00	0.00	0.00	0.02	0.00	21.44	2.00	0.00	0.00	0.02	0.00
21.46	2.00	0.00	0.00	0.02	0.00	21.48	2.00	0.00	0.00	0.02	0.00
21.50	2.00	0.00	0.00	0.02	0.00	21.52	2.00	0.00	0.00	0.02	0.00
21.54	2.00	0.00	0.00	0.02	0.00	21.56	2.00	0.00	0.00	0.02	0.00
21.58	2.00	0.00	0.00	0.02	0.00	21.60	2.00	0.00	0.00	0.02	0.00
21.62	2.00	0.00	0.00	0.02	0.00	21.64	2.00	0.00	0.00	0.02	0.00
21.66	2.00	0.00	0.00	0.02	0.00	21.68	2.00	0.00	0.00	0.02	0.00
21.70	2.00	0.00	0.00	0.02	0.00	21.72	2.00	0.00	0.00	0.02	0.00
21.74	2.00	0.00	0.00	0.02	0.00	21.76	2.00	0.00	0.00	0.02	0.00
21.78	2.00	0.00	0.00	0.02	0.00	21.80	2.00	0.00	0.00	0.02	0.00
21.82	2.00	0.00	0.00	0.02	0.00	21.84	2.00	0.00	0.00	0.02	0.00
21.86	2.00	0.00	0.00	0.02	0.00	21.88	2.00	0.00	0.00	0.02	0.00
21.90	2.00	0.00	0.00	0.02	0.00	21.92	2.00	0.00	0.00	0.02	0.00
21.94	2.00	0.00	0.00	0.02	0.00	21.96	2.00	0.00	0.00	0.02	0.00
21.98	2.00	0.00	0.00	0.02	0.00	22.00	2.00	0.00	0.00	0.02	0.00
22.02	2.00	0.00	0.00	0.02	0.00	22.04	2.00	0.00	0.00	0.02	0.00
22.06	2.00	0.00	0.00	0.02	0.00	22.08	2.00	0.00	0.00	0.02	0.00
22.10	2.00	0.00	0.00	0.02	0.00	22.12	2.00	0.00	0.00	0.02	0.00
22.14	2.00	0.00	0.00	0.02	0.00	22.16	2.00	0.00	0.00	0.02	0.00
22.18	2.00	0.00	0.00	0.02	0.00	22.20	2.00	0.00	0.00	0.02	0.00
22.22	2.00	0.00	0.00	0.02	0.00	22.24	2.00	0.00	0.00	0.02	0.00
22.26	2.00	0.00	0.00	0.02	0.00	22.28	2.00	0.00	0.00	0.02	0.00
22.30	2.00	0.00	0.00	0.02	0.00	22.32	2.00	0.00	0.00	0.02	0.00
22.34	2.00	0.00	0.00	0.02	0.00	22.36	2.00	0.00	0.00	0.02	0.00
22.38	2.00	0.00	0.00	0.02	0.00	22.40	2.00	0.00	0.00	0.02	0.00
22.42	2.00	0.00	0.00	0.02	0.00	22.44	2.00	0.00	0.00	0.02	0.00
22.46	2.00	0.00	0.00	0.02	0.00	22.48	2.00	0.00	0.00	0.02	0.00
22.50	2.00	0.00	0.00	0.02	0.00	22.52	2.00	0.00	0.00	0.02	0.00
22.54	2.00	0.00	0.00	0.02	0.00	22.56	2.00	0.00	0.00	0.02	0.00
22.58	2.00	0.00	0.00	0.02	0.00	22.60	2.00	0.00	0.00	0.02	0.00
22.62	2.00	0.00	0.00	0.02	0.00	22.64	2.00	0.00	0.00	0.02	0.00
22.66	2.00	0.00	0.00	0.02	0.00	22.68	2.00	0.00	0.00	0.02	0.00
22.70	2.00	0.00	0.00	0.02	0.00	22.72	2.00	0.00	0.00	0.02	0.00
22.74	2.00	0.00	0.00	0.02	0.00	22.76	2.00	0.00	0.00	0.02	0.00
22.78	2.00	0.00	0.00	0.02	0.00	22.80	2.00	0.00	0.00	0.02	0.00
22.82	2.00	0.00	0.00	0.02	0.00	22.84	2.00	0.00	0.00	0.02	0.00
22.86	2.00	0.00	0.00	0.02	0.00	22.88	2.00	0.00	0.00	0.02	0.00
22.90	2.00	0.00	0.00	0.02	0.00	22.92	2.00	0.00	0.00	0.02	0.00
22.94	2.00	0.00	0.00	0.02	0.00	22.96	2.00	0.00	0.00	0.02	0.00
22.98	2.00	0.00	0.00	0.02	0.00	23.00	2.00	0.00	0.00	0.02	0.00
23.02	2.00	0.00	0.00	0.02	0.00	23.04	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
23.06	2.00	0.00	0.00	0.02	0.00	23.08	2.00	0.00	0.00	0.02	0.00
23.10	2.00	0.00	0.00	0.02	0.00	23.12	2.00	0.00	0.00	0.02	0.00
23.14	2.00	0.00	0.00	0.02	0.00	23.16	2.00	0.00	0.00	0.02	0.00
23.18	2.00	0.00	0.00	0.02	0.00	23.20	2.00	0.00	0.00	0.02	0.00
23.22	2.00	0.00	0.00	0.02	0.00	23.24	2.00	0.00	0.00	0.02	0.00
23.26	2.00	0.00	0.00	0.02	0.00	23.28	2.00	0.00	0.00	0.02	0.00
23.30	2.00	0.00	0.00	0.02	0.00	23.32	2.00	0.00	0.00	0.02	0.00
23.34	2.00	0.00	0.00	0.02	0.00	23.36	2.00	0.00	0.00	0.02	0.00
23.38	2.00	0.00	0.00	0.02	0.00	23.40	2.00	0.00	0.00	0.02	0.00
23.42	2.00	0.00	0.00	0.02	0.00	23.44	2.00	0.00	0.00	0.02	0.00
23.46	2.00	0.00	0.00	0.02	0.00	23.48	2.00	0.00	0.00	0.02	0.00
23.50	2.00	0.00	0.00	0.02	0.00	23.52	2.00	0.00	0.00	0.02	0.00
23.54	2.00	0.00	0.00	0.02	0.00	23.56	2.00	0.00	0.00	0.02	0.00
23.58	2.00	0.00	0.00	0.02	0.00	23.60	2.00	0.00	0.00	0.02	0.00
23.62	2.00	0.00	0.00	0.02	0.00	23.64	2.00	0.00	0.00	0.02	0.00
23.66	2.00	0.00	0.00	0.02	0.00	23.68	2.00	0.00	0.00	0.02	0.00
23.70	2.00	0.00	0.00	0.02	0.00	23.72	2.00	0.00	0.00	0.02	0.00
23.74	2.00	0.00	0.00	0.02	0.00	23.76	2.00	0.00	0.00	0.02	0.00
23.78	2.00	0.00	0.00	0.02	0.00	23.80	2.00	0.00	0.00	0.02	0.00
23.82	2.00	0.00	0.00	0.02	0.00	23.84	2.00	0.00	0.00	0.02	0.00
23.86	2.00	0.00	0.00	0.02	0.00	23.88	2.00	0.00	0.00	0.02	0.00
23.90	2.00	0.00	0.00	0.02	0.00	23.92	2.00	0.00	0.00	0.02	0.00
23.94	2.00	0.00	0.00	0.02	0.00	23.96	2.00	0.00	0.00	0.02	0.00
23.98	2.00	0.00	0.00	0.02	0.00	24.00	2.00	0.00	0.00	0.02	0.00
24.02	2.00	0.00	0.00	0.02	0.00	24.04	2.00	0.00	0.00	0.02	0.00
24.06	2.00	0.00	0.00	0.02	0.00	24.08	2.00	0.00	0.00	0.02	0.00
24.10	2.00	0.00	0.00	0.02	0.00	24.12	2.00	0.00	0.00	0.02	0.00
24.14	2.00	0.00	0.00	0.02	0.00	24.16	2.00	0.00	0.00	0.02	0.00
24.18	2.00	0.00	0.00	0.02	0.00	24.20	2.00	0.00	0.00	0.02	0.00
24.22	2.00	0.00	0.00	0.02	0.00	24.24	2.00	0.00	0.00	0.02	0.00
24.26	2.00	0.00	0.00	0.02	0.00	24.28	2.00	0.00	0.00	0.02	0.00
24.30	2.00	0.00	0.00	0.02	0.00	24.32	2.00	0.00	0.00	0.02	0.00
24.34	2.00	0.00	0.00	0.02	0.00	24.36	2.00	0.00	0.00	0.02	0.00
24.38	2.00	0.00	0.00	0.02	0.00	24.40	2.00	0.00	0.00	0.02	0.00
24.42	2.00	0.00	0.00	0.02	0.00	24.44	2.00	0.00	0.00	0.02	0.00
24.46	2.00	0.00	0.00	0.02	0.00	24.48	2.00	0.00	0.00	0.02	0.00
24.50	2.00	0.00	0.00	0.02	0.00	24.52	2.00	0.00	0.00	0.02	0.00
24.54	2.00	0.00	0.00	0.02	0.00	24.56	2.00	0.00	0.00	0.02	0.00
24.58	2.00	0.00	0.00	0.02	0.00	24.60	2.00	0.00	0.00	0.02	0.00
24.62	2.00	0.00	0.00	0.02	0.00	24.64	2.00	0.00	0.00	0.02	0.00
24.66	2.00	0.00	0.00	0.02	0.00	24.68	2.00	0.00	0.00	0.02	0.00
24.70	2.00	0.00	0.00	0.02	0.00	24.72	2.00	0.00	0.00	0.02	0.00
24.74	2.00	0.00	0.00	0.02	0.00	24.76	2.00	0.00	0.00	0.02	0.00
24.78	2.00	0.00	0.00	0.02	0.00	24.80	2.00	0.00	0.00	0.02	0.00
24.82	2.00	0.00	0.00	0.02	0.00	24.84	2.00	0.00	0.00	0.02	0.00
24.86	2.00	0.00	0.00	0.02	0.00	24.88	2.00	0.00	0.00	0.02	0.00
24.90	2.00	0.00	0.00	0.02	0.00	24.92	2.00	0.00	0.00	0.02	0.00
24.94	2.00	0.00	0.00	0.02	0.00	24.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
24.98	2.00	0.00	0.00	0.02	0.00	25.00	2.00	0.00	0.00	0.02	0.00
25.02	2.00	0.00	0.00	0.02	0.00	25.04	2.00	0.00	0.00	0.02	0.00
25.06	2.00	0.00	0.00	0.02	0.00	25.08	2.00	0.00	0.00	0.02	0.00
25.10	2.00	0.00	0.00	0.02	0.00	25.12	2.00	0.00	0.00	0.02	0.00
25.14	2.00	0.00	0.00	0.02	0.00	25.16	2.00	0.00	0.00	0.02	0.00
25.18	2.00	0.00	0.00	0.02	0.00	25.20	2.00	0.00	0.00	0.02	0.00
25.22	2.00	0.00	0.00	0.02	0.00	25.24	2.00	0.00	0.00	0.02	0.00
25.26	2.00	0.00	0.00	0.02	0.00	25.28	2.00	0.00	0.00	0.02	0.00
25.30	2.00	0.00	0.00	0.02	0.00	25.32	2.00	0.00	0.00	0.02	0.00
25.34	2.00	0.00	0.00	0.02	0.00	25.36	2.00	0.00	0.00	0.02	0.00
25.38	2.00	0.00	0.00	0.02	0.00	25.40	2.00	0.00	0.00	0.02	0.00
25.42	2.00	0.00	0.00	0.02	0.00	25.44	2.00	0.00	0.00	0.02	0.00
25.46	2.00	0.00	0.00	0.02	0.00	25.48	2.00	0.00	0.00	0.02	0.00
25.50	2.00	0.00	0.00	0.02	0.00	25.52	2.00	0.00	0.00	0.02	0.00
25.54	2.00	0.00	0.00	0.02	0.00	25.56	2.00	0.00	0.00	0.02	0.00
25.58	2.00	0.00	0.00	0.02	0.00	25.60	2.00	0.00	0.00	0.02	0.00
25.62	2.00	0.00	0.00	0.02	0.00	25.64	2.00	0.00	0.00	0.02	0.00
25.66	2.00	0.00	0.00	0.02	0.00	25.68	2.00	0.00	0.00	0.02	0.00
25.70	2.00	0.00	0.00	0.02	0.00	25.72	2.00	0.00	0.00	0.02	0.00
25.74	2.00	0.00	0.00	0.02	0.00	25.76	2.00	0.00	0.00	0.02	0.00
25.78	2.00	0.00	0.00	0.02	0.00	25.80	2.00	0.00	0.00	0.02	0.00
25.82	2.00	0.00	0.00	0.02	0.00	25.84	2.00	0.00	0.00	0.02	0.00
25.86	2.00	0.00	0.00	0.02	0.00	25.88	2.00	0.00	0.00	0.02	0.00
25.90	2.00	0.00	0.00	0.02	0.00	25.92	2.00	0.00	0.00	0.02	0.00
25.94	2.00	0.00	0.00	0.02	0.00	25.96	2.00	0.00	0.00	0.02	0.00
25.98	2.00	0.00	0.00	0.02	0.00	26.00	2.00	0.00	0.00	0.02	0.00
26.02	2.00	0.00	0.00	0.02	0.00	26.04	2.00	0.00	0.00	0.02	0.00
26.06	2.00	0.00	0.00	0.02	0.00	26.08	2.00	0.00	0.00	0.02	0.00
26.10	2.00	0.00	0.00	0.02	0.00	26.12	2.00	0.00	0.00	0.02	0.00
26.14	2.00	0.00	0.00	0.02	0.00	26.16	2.00	0.00	0.00	0.02	0.00
26.18	2.00	0.00	0.00	0.02	0.00	26.20	2.00	0.00	0.00	0.02	0.00
26.22	2.00	0.00	0.00	0.02	0.00	26.24	2.00	0.00	0.00	0.02	0.00
26.26	2.00	0.00	0.00	0.02	0.00	26.28	2.00	0.00	0.00	0.02	0.00
26.30	2.00	0.00	0.00	0.02	0.00	26.32	2.00	0.00	0.00	0.02	0.00
26.34	2.00	0.00	0.00	0.02	0.00	26.36	2.00	0.00	0.00	0.02	0.00
26.38	2.00	0.00	0.00	0.02	0.00	26.40	2.00	0.00	0.00	0.02	0.00
26.42	2.00	0.00	0.00	0.02	0.00	26.44	2.00	0.00	0.00	0.02	0.00
26.46	2.00	0.00	0.00	0.02	0.00	26.48	2.00	0.00	0.00	0.02	0.00
26.50	2.00	0.00	0.00	0.02	0.00	26.52	2.00	0.00	0.00	0.02	0.00
26.54	2.00	0.00	0.00	0.02	0.00	26.56	2.00	0.00	0.00	0.02	0.00
26.58	2.00	0.00	0.00	0.02	0.00	26.60	2.00	0.00	0.00	0.02	0.00
26.62	2.00	0.00	0.00	0.02	0.00	26.64	2.00	0.00	0.00	0.02	0.00
26.66	2.00	0.00	0.00	0.02	0.00	26.68	2.00	0.00	0.00	0.02	0.00
26.70	2.00	0.00	0.00	0.02	0.00	26.72	2.00	0.00	0.00	0.02	0.00
26.74	2.00	0.00	0.00	0.02	0.00	26.76	2.00	0.00	0.00	0.02	0.00
26.78	2.00	0.00	0.00	0.02	0.00	26.80	2.00	0.00	0.00	0.02	0.00
26.82	2.00	0.00	0.00	0.02	0.00	26.84	2.00	0.00	0.00	0.02	0.00
26.86	2.00	0.00	0.00	0.02	0.00	26.88	2.00	0.00	0.00	0.02	0.00

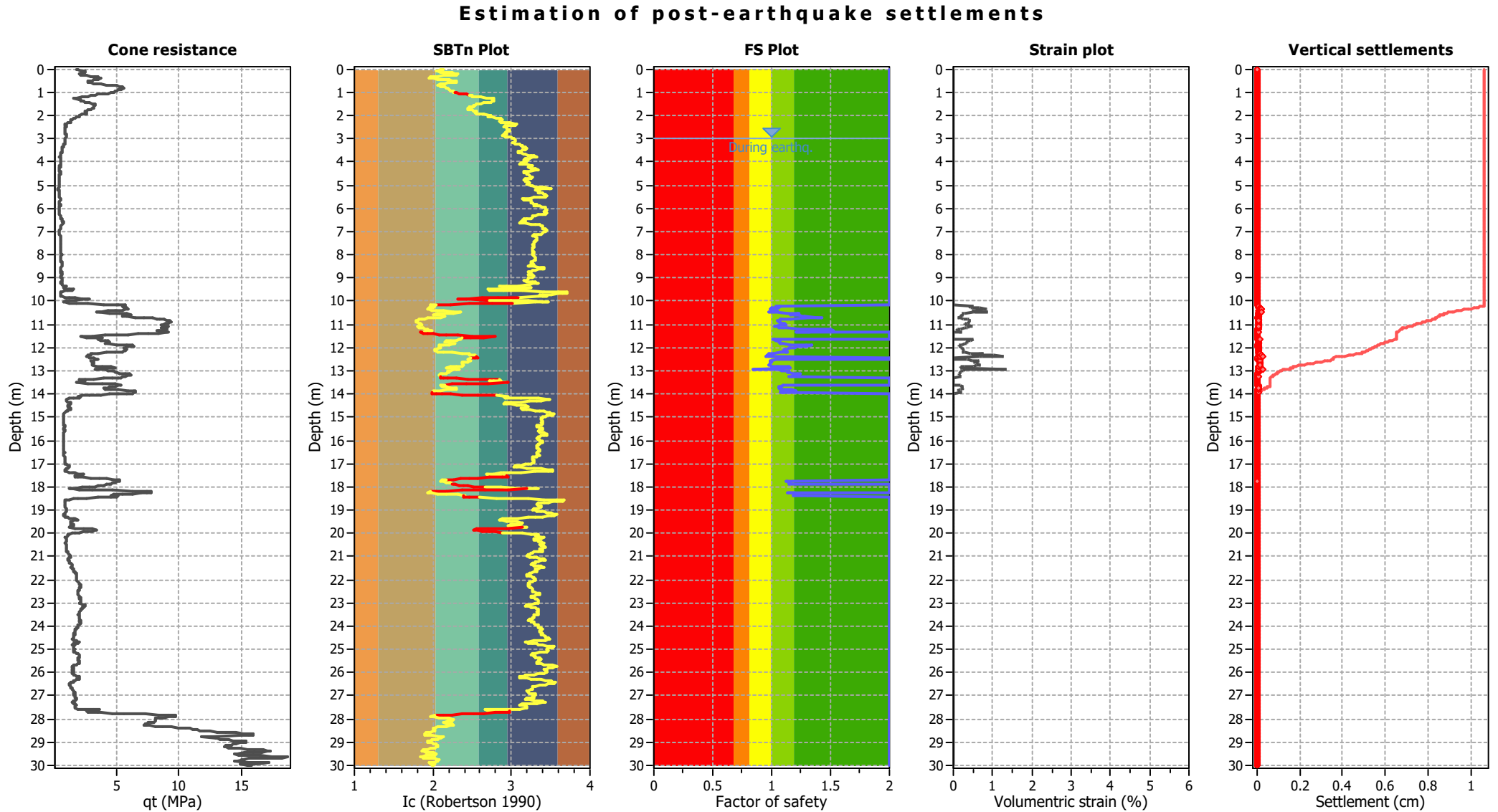
:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
26.90	2.00	0.00	0.00	0.02	0.00	26.92	2.00	0.00	0.00	0.02	0.00
26.94	2.00	0.00	0.00	0.02	0.00	26.96	2.00	0.00	0.00	0.02	0.00
26.98	2.00	0.00	0.00	0.02	0.00	27.00	2.00	0.00	0.00	0.02	0.00
27.02	2.00	0.00	0.00	0.02	0.00	27.04	2.00	0.00	0.00	0.02	0.00
27.06	2.00	0.00	0.00	0.02	0.00	27.08	2.00	0.00	0.00	0.02	0.00
27.10	2.00	0.00	0.00	0.02	0.00	27.12	2.00	0.00	0.00	0.02	0.00
27.14	2.00	0.00	0.00	0.02	0.00	27.16	2.00	0.00	0.00	0.02	0.00
27.18	2.00	0.00	0.00	0.02	0.00	27.20	2.00	0.00	0.00	0.02	0.00
27.22	2.00	0.00	0.00	0.02	0.00	27.24	2.00	0.00	0.00	0.02	0.00
27.26	2.00	0.00	0.00	0.02	0.00	27.28	2.00	0.00	0.00	0.02	0.00
27.30	2.00	0.00	0.00	0.02	0.00	27.32	2.00	0.00	0.00	0.02	0.00
27.34	2.00	0.00	0.00	0.02	0.00	27.36	2.00	0.00	0.00	0.02	0.00
27.38	2.00	0.00	0.00	0.02	0.00	27.40	2.00	0.00	0.00	0.02	0.00
27.42	2.00	0.00	0.00	0.02	0.00	27.44	2.00	0.00	0.00	0.02	0.00
27.46	2.00	0.00	0.00	0.02	0.00	27.48	2.00	0.00	0.00	0.02	0.00
27.50	2.00	0.00	0.00	0.02	0.00	27.52	2.00	0.00	0.00	0.02	0.00
27.54	2.00	0.00	0.00	0.02	0.00	27.56	2.00	0.00	0.00	0.02	0.00
27.58	2.00	0.00	0.00	0.02	0.00	27.60	2.00	0.00	0.00	0.02	0.00
27.62	2.00	0.00	0.00	0.02	0.00	27.64	2.00	0.00	0.00	0.02	0.00
27.66	2.00	0.00	0.00	0.02	0.00	27.68	2.00	0.00	0.00	0.02	0.00
27.70	2.00	0.00	0.00	0.02	0.00	27.72	2.00	0.00	0.00	0.02	0.00
27.74	2.00	0.00	0.00	0.02	0.00	27.76	2.00	0.00	0.00	0.02	0.00
27.78	2.00	0.00	0.00	0.02	0.00	27.80	2.00	0.00	0.00	0.02	0.00
27.82	2.00	0.00	0.00	0.02	0.00	27.84	2.00	0.00	0.00	0.02	0.00
27.86	2.00	0.00	0.00	0.02	0.00	27.88	2.00	0.00	0.00	0.02	0.00
27.90	2.00	0.00	0.00	0.02	0.00	27.92	2.00	0.00	0.00	0.02	0.00
27.94	2.00	0.00	0.00	0.02	0.00	27.96	2.00	0.00	0.00	0.02	0.00
27.98	2.00	0.00	0.00	0.02	0.00	28.00	2.00	0.00	0.00	0.02	0.00
28.02	2.00	0.00	0.00	0.02	0.00	28.04	2.00	0.00	0.00	0.02	0.00
28.06	2.00	0.00	0.00	0.02	0.00	28.08	2.00	0.00	0.00	0.02	0.00
28.10	2.00	0.00	0.00	0.02	0.00	28.12	2.00	0.00	0.00	0.02	0.00
28.14	2.00	0.00	0.00	0.02	0.00	28.16	2.00	0.00	0.00	0.02	0.00
28.18	2.00	0.00	0.00	0.02	0.00	28.20	2.00	0.00	0.00	0.02	0.00
28.22	2.00	0.00	0.00	0.02	0.00	28.24	2.00	0.00	0.00	0.02	0.00
28.26	2.00	0.00	0.00	0.02	0.00	28.28	2.00	0.00	0.00	0.02	0.00
28.30	2.00	0.00	0.00	0.02	0.00	28.32	2.00	0.00	0.00	0.02	0.00
28.34	2.00	0.00	0.00	0.02	0.00	28.36	2.00	0.00	0.00	0.02	0.00
28.38	2.00	0.00	0.00	0.02	0.00	28.40	2.00	0.00	0.00	0.02	0.00
28.42	2.00	0.00	0.00	0.02	0.00	28.44	2.00	0.00	0.00	0.02	0.00
28.46	2.00	0.00	0.00	0.02	0.00	28.48	2.00	0.00	0.00	0.02	0.00
28.50	2.00	0.00	0.00	0.02	0.00	28.52	2.00	0.00	0.00	0.02	0.00
28.54	2.00	0.00	0.00	0.02	0.00	28.56	2.00	0.00	0.00	0.02	0.00
28.58	2.00	0.00	0.00	0.02	0.00	28.60	2.00	0.00	0.00	0.02	0.00
28.62	2.00	0.00	0.00	0.02	0.00	28.64	2.00	0.00	0.00	0.02	0.00
28.66	2.00	0.00	0.00	0.02	0.00	28.68	2.00	0.00	0.00	0.02	0.00
28.70	2.00	0.00	0.00	0.02	0.00	28.72	2.00	0.00	0.00	0.02	0.00
28.74	2.00	0.00	0.00	0.02	0.00	28.76	2.00	0.00	0.00	0.02	0.00
28.78	2.00	0.00	0.00	0.02	0.00	28.80	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
28.82	2.00	0.00	0.00	0.02	0.00	28.84	2.00	0.00	0.00	0.02	0.00
28.86	2.00	0.00	0.00	0.02	0.00	28.88	2.00	0.00	0.00	0.02	0.00
28.90	2.00	0.00	0.00	0.02	0.00	28.92	2.00	0.00	0.00	0.02	0.00
28.94	2.00	0.00	0.00	0.02	0.00	28.96	2.00	0.00	0.00	0.02	0.00
28.98	2.00	0.00	0.00	0.02	0.00	29.00	2.00	0.00	0.00	0.02	0.00
29.02	2.00	0.00	0.00	0.02	0.00	29.04	2.00	0.00	0.00	0.02	0.00
29.06	2.00	0.00	0.00	0.02	0.00	29.08	2.00	0.00	0.00	0.02	0.00
29.10	2.00	0.00	0.00	0.02	0.00	29.12	2.00	0.00	0.00	0.02	0.00
29.14	2.00	0.00	0.00	0.02	0.00	29.16	2.00	0.00	0.00	0.02	0.00
29.18	2.00	0.00	0.00	0.02	0.00	29.20	2.00	0.00	0.00	0.02	0.00
29.22	2.00	0.00	0.00	0.02	0.00	29.24	2.00	0.00	0.00	0.02	0.00
29.26	2.00	0.00	0.00	0.02	0.00	29.28	2.00	0.00	0.00	0.02	0.00
29.30	2.00	0.00	0.00	0.02	0.00	29.32	2.00	0.00	0.00	0.02	0.00
29.34	2.00	0.00	0.00	0.02	0.00	29.36	2.00	0.00	0.00	0.02	0.00
29.38	2.00	0.00	0.00	0.02	0.00	29.40	2.00	0.00	0.00	0.02	0.00
29.42	2.00	0.00	0.00	0.02	0.00	29.44	2.00	0.00	0.00	0.02	0.00
29.46	2.00	0.00	0.00	0.02	0.00	29.48	2.00	0.00	0.00	0.02	0.00
29.50	2.00	0.00	0.00	0.02	0.00	29.52	2.00	0.00	0.00	0.02	0.00
29.54	2.00	0.00	0.00	0.02	0.00	29.56	2.00	0.00	0.00	0.02	0.00
29.58	2.00	0.00	0.00	0.02	0.00	29.60	2.00	0.00	0.00	0.02	0.00
29.62	2.00	0.00	0.00	0.02	0.00	29.64	2.00	0.00	0.00	0.02	0.00
29.66	2.00	0.00	0.00	0.02	0.00	29.68	2.00	0.00	0.00	0.02	0.00
29.70	2.00	0.00	0.00	0.02	0.00	29.72	2.00	0.00	0.00	0.02	0.00
29.74	2.00	0.00	0.00	0.02	0.00	29.76	2.00	0.00	0.00	0.02	0.00
29.78	2.00	0.00	0.00	0.02	0.00	29.80	2.00	0.00	0.00	0.02	0.00
29.82	2.00	0.00	0.00	0.02	0.00	29.84	2.00	0.00	0.00	0.02	0.00
29.86	2.00	0.00	0.00	0.02	0.00	29.88	2.00	0.00	0.00	0.02	0.00
29.90	2.00	0.00	0.00	0.02	0.00	29.92	2.00	0.00	0.00	0.02	0.00
29.94	2.00	0.00	0.00	0.02	0.00	29.96	2.00	0.00	0.00	0.02	0.00
29.98	2.00	0.00	0.00	0.02	0.00	30.00	2.00	0.00	0.00	0.02	0.00
Overall liquefaction potential: 0.04											

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

- FS: Calculated factor of safety for test point
- d_z: Layer thickness (m)
- LPI: Liquefaction potential index value for test point



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

:: Post-earthquake settlement due to soil liquefaction ::											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
3.00	12.20	2.00	0.00	0.83	0.00	3.02	12.18	2.00	0.00	0.83	0.00
3.04	12.17	2.00	0.00	0.83	0.00	3.06	12.01	2.00	0.00	0.83	0.00
3.08	11.85	2.00	0.00	0.83	0.00	3.10	11.97	2.00	0.00	0.83	0.00
3.12	11.54	2.00	0.00	0.83	0.00	3.14	11.53	2.00	0.00	0.83	0.00
3.16	12.05	2.00	0.00	0.82	0.00	3.18	12.04	2.00	0.00	0.82	0.00
3.20	12.02	2.00	0.00	0.82	0.00	3.22	11.46	2.00	0.00	0.82	0.00
3.24	9.67	2.00	0.00	0.82	0.00	3.26	10.06	2.00	0.00	0.82	0.00
3.28	9.77	2.00	0.00	0.82	0.00	3.30	9.76	2.00	0.00	0.82	0.00
3.32	9.61	2.00	0.00	0.82	0.00	3.34	9.19	2.00	0.00	0.81	0.00
3.36	9.04	2.00	0.00	0.81	0.00	3.38	8.34	2.00	0.00	0.81	0.00
3.40	8.19	2.00	0.00	0.81	0.00	3.42	7.91	2.00	0.00	0.81	0.00
3.44	7.63	2.00	0.00	0.81	0.00	3.46	7.48	2.00	0.00	0.81	0.00
3.48	7.47	2.00	0.00	0.81	0.00	3.50	7.33	2.00	0.00	0.81	0.00
3.52	7.45	2.00	0.00	0.80	0.00	3.54	7.58	2.00	0.00	0.80	0.00
3.56	7.43	2.00	0.00	0.80	0.00	3.58	7.56	2.00	0.00	0.80	0.00
3.60	7.41	2.00	0.00	0.80	0.00	3.62	7.13	2.00	0.00	0.80	0.00
3.64	6.72	2.00	0.00	0.80	0.00	3.66	6.85	2.00	0.00	0.80	0.00
3.68	6.84	2.00	0.00	0.80	0.00	3.70	6.42	2.00	0.00	0.79	0.00
3.72	6.42	2.00	0.00	0.79	0.00	3.74	5.73	2.00	0.00	0.79	0.00
3.76	5.73	2.00	0.00	0.79	0.00	3.78	5.59	2.00	0.00	0.79	0.00
3.80	6.11	2.00	0.00	0.79	0.00	3.82	6.51	2.00	0.00	0.79	0.00
3.84	6.77	2.00	0.00	0.79	0.00	3.86	6.76	2.00	0.00	0.79	0.00
3.88	7.28	2.00	0.00	0.78	0.00	3.90	7.40	2.00	0.00	0.78	0.00
3.92	6.86	2.00	0.00	0.78	0.00	3.94	6.72	2.00	0.00	0.78	0.00
3.96	6.85	2.00	0.00	0.78	0.00	3.98	7.10	2.00	0.00	0.78	0.00
4.00	7.09	2.00	0.00	0.78	0.00	4.02	6.82	2.00	0.00	0.78	0.00
4.04	7.08	2.00	0.00	0.78	0.00	4.06	7.20	2.00	0.00	0.77	0.00
4.08	7.06	2.00	0.00	0.77	0.00	4.10	6.79	2.00	0.00	0.77	0.00
4.12	6.25	2.00	0.00	0.77	0.00	4.14	5.59	2.00	0.00	0.77	0.00
4.16	5.19	2.00	0.00	0.77	0.00	4.18	5.58	2.00	0.00	0.77	0.00
4.20	5.70	2.00	0.00	0.77	0.00	4.22	5.56	2.00	0.00	0.77	0.00
4.24	5.03	2.00	0.00	0.76	0.00	4.26	5.16	2.00	0.00	0.76	0.00
4.28	5.02	2.00	0.00	0.76	0.00	4.30	4.63	2.00	0.00	0.76	0.00
4.32	4.49	2.00	0.00	0.76	0.00	4.34	4.62	2.00	0.00	0.76	0.00
4.36	4.74	2.00	0.00	0.76	0.00	4.38	5.26	2.00	0.00	0.76	0.00
4.40	5.90	2.00	0.00	0.76	0.00	4.42	5.89	2.00	0.00	0.75	0.00
4.44	5.89	2.00	0.00	0.75	0.00	4.46	6.01	2.00	0.00	0.75	0.00
4.48	5.87	2.00	0.00	0.75	0.00	4.50	5.87	2.00	0.00	0.75	0.00
4.52	5.47	2.00	0.00	0.75	0.00	4.54	5.60	2.00	0.00	0.75	0.00
4.56	5.59	2.00	0.00	0.75	0.00	4.58	5.33	2.00	0.00	0.75	0.00
4.60	5.32	2.00	0.00	0.74	0.00	4.62	5.32	2.00	0.00	0.74	0.00
4.64	5.18	2.00	0.00	0.74	0.00	4.66	5.05	2.00	0.00	0.74	0.00
4.68	4.79	2.00	0.00	0.74	0.00	4.70	4.65	2.00	0.00	0.74	0.00
4.72	4.65	2.00	0.00	0.74	0.00	4.74	4.77	2.00	0.00	0.74	0.00
4.76	5.15	2.00	0.00	0.74	0.00	4.78	5.02	2.00	0.00	0.73	0.00
4.80	5.14	2.00	0.00	0.73	0.00	4.82	5.26	2.00	0.00	0.73	0.00
4.84	5.39	2.00	0.00	0.73	0.00	4.86	5.00	2.00	0.00	0.73	0.00
4.88	5.00	2.00	0.00	0.73	0.00	4.90	4.74	2.00	0.00	0.73	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
4.92	4.99	2.00	0.00	0.73	0.00	4.94	5.11	2.00	0.00	0.73	0.00
4.96	5.61	2.00	0.00	0.72	0.00	4.98	5.35	2.00	0.00	0.72	0.00
5.00	4.59	2.00	0.00	0.72	0.00	5.02	4.71	2.00	0.00	0.72	0.00
5.04	4.83	2.00	0.00	0.72	0.00	5.06	4.82	2.00	0.00	0.72	0.00
5.08	4.57	2.00	0.00	0.72	0.00	5.10	3.93	2.00	0.00	0.72	0.00
5.12	3.43	2.00	0.00	0.72	0.00	5.14	2.92	2.00	0.00	0.71	0.00
5.16	2.92	2.00	0.00	0.71	0.00	5.18	3.16	2.00	0.00	0.71	0.00
5.20	3.66	2.00	0.00	0.71	0.00	5.22	3.66	2.00	0.00	0.71	0.00
5.24	4.03	2.00	0.00	0.71	0.00	5.26	3.91	2.00	0.00	0.71	0.00
5.28	4.03	2.00	0.00	0.71	0.00	5.30	4.02	2.00	0.00	0.71	0.00
5.32	4.52	2.00	0.00	0.70	0.00	5.34	4.26	2.00	0.00	0.70	0.00
5.36	4.13	2.00	0.00	0.70	0.00	5.38	4.01	2.00	0.00	0.70	0.00
5.40	4.00	2.00	0.00	0.70	0.00	5.42	4.00	2.00	0.00	0.70	0.00
5.44	3.99	2.00	0.00	0.70	0.00	5.46	3.99	2.00	0.00	0.70	0.00
5.48	3.61	2.00	0.00	0.70	0.00	5.50	3.73	2.00	0.00	0.69	0.00
5.52	4.10	2.00	0.00	0.69	0.00	5.54	4.71	2.00	0.00	0.69	0.00
5.56	5.20	2.00	0.00	0.69	0.00	5.58	5.56	2.00	0.00	0.69	0.00
5.60	6.66	2.00	0.00	0.69	0.00	5.62	6.16	2.00	0.00	0.69	0.00
5.64	5.30	2.00	0.00	0.69	0.00	5.66	5.17	2.00	0.00	0.69	0.00
5.68	5.05	2.00	0.00	0.68	0.00	5.70	4.80	2.00	0.00	0.68	0.00
5.72	4.79	2.00	0.00	0.68	0.00	5.74	4.79	2.00	0.00	0.68	0.00
5.76	5.03	2.00	0.00	0.68	0.00	5.78	5.02	2.00	0.00	0.68	0.00
5.80	4.78	2.00	0.00	0.68	0.00	5.82	4.77	2.00	0.00	0.68	0.00
5.84	4.77	2.00	0.00	0.68	0.00	5.86	5.12	2.00	0.00	0.67	0.00
5.88	5.36	2.00	0.00	0.67	0.00	5.90	5.36	2.00	0.00	0.67	0.00
5.92	4.63	2.00	0.00	0.67	0.00	5.94	4.38	2.00	0.00	0.67	0.00
5.96	4.38	2.00	0.00	0.67	0.00	5.98	4.13	2.00	0.00	0.67	0.00
6.00	4.13	2.00	0.00	0.67	0.00	6.02	4.36	2.00	0.00	0.67	0.00
6.04	4.12	2.00	0.00	0.66	0.00	6.06	4.11	2.00	0.00	0.66	0.00
6.08	3.99	2.00	0.00	0.66	0.00	6.10	3.99	2.00	0.00	0.66	0.00
6.12	3.98	2.00	0.00	0.66	0.00	6.14	4.10	2.00	0.00	0.66	0.00
6.16	4.33	2.00	0.00	0.66	0.00	6.18	4.09	2.00	0.00	0.66	0.00
6.20	3.97	2.00	0.00	0.66	0.00	6.22	3.96	2.00	0.00	0.65	0.00
6.24	3.96	2.00	0.00	0.65	0.00	6.26	4.07	2.00	0.00	0.65	0.00
6.28	4.67	2.00	0.00	0.65	0.00	6.30	4.78	2.00	0.00	0.65	0.00
6.32	5.01	2.00	0.00	0.65	0.00	6.34	5.13	2.00	0.00	0.65	0.00
6.36	5.12	2.00	0.00	0.65	0.00	6.38	5.12	2.00	0.00	0.65	0.00
6.40	5.23	2.00	0.00	0.64	0.00	6.42	5.34	2.00	0.00	0.64	0.00
6.44	5.81	2.00	0.00	0.64	0.00	6.46	6.62	2.00	0.00	0.64	0.00
6.48	6.62	2.00	0.00	0.64	0.00	6.50	6.61	2.00	0.00	0.64	0.00
6.52	6.49	2.00	0.00	0.64	0.00	6.54	6.48	2.00	0.00	0.64	0.00
6.56	6.59	2.00	0.00	0.64	0.00	6.58	7.05	2.00	0.00	0.63	0.00
6.60	7.04	2.00	0.00	0.63	0.00	6.62	8.20	2.00	0.00	0.63	0.00
6.64	7.96	2.00	0.00	0.63	0.00	6.66	7.37	2.00	0.00	0.63	0.00
6.68	6.78	2.00	0.00	0.63	0.00	6.70	6.31	2.00	0.00	0.63	0.00
6.72	5.84	2.00	0.00	0.63	0.00	6.74	5.60	2.00	0.00	0.63	0.00
6.76	5.36	2.00	0.00	0.62	0.00	6.78	5.24	2.00	0.00	0.62	0.00
6.80	5.12	2.00	0.00	0.62	0.00	6.82	4.89	2.00	0.00	0.62	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
6.84	4.88	2.00	0.00	0.62	0.00	6.86	4.53	2.00	0.00	0.62	0.00
6.88	4.41	2.00	0.00	0.62	0.00	6.90	4.29	2.00	0.00	0.62	0.00
6.92	3.94	2.00	0.00	0.62	0.00	6.94	3.94	2.00	0.00	0.61	0.00
6.96	3.82	2.00	0.00	0.61	0.00	6.98	3.81	2.00	0.00	0.61	0.00
7.00	3.92	2.00	0.00	0.61	0.00	7.02	3.81	2.00	0.00	0.61	0.00
7.04	3.80	2.00	0.00	0.61	0.00	7.06	3.68	2.00	0.00	0.61	0.00
7.08	3.68	2.00	0.00	0.61	0.00	7.10	3.68	2.00	0.00	0.61	0.00
7.12	3.79	2.00	0.00	0.60	0.00	7.14	4.13	2.00	0.00	0.60	0.00
7.16	4.35	2.00	0.00	0.60	0.00	7.18	4.35	2.00	0.00	0.60	0.00
7.20	4.35	2.00	0.00	0.60	0.00	7.22	4.23	2.00	0.00	0.60	0.00
7.24	4.23	2.00	0.00	0.60	0.00	7.26	4.11	2.00	0.00	0.60	0.00
7.28	4.22	2.00	0.00	0.60	0.00	7.30	4.44	2.00	0.00	0.59	0.00
7.32	4.44	2.00	0.00	0.59	0.00	7.34	4.32	2.00	0.00	0.59	0.00
7.36	4.09	2.00	0.00	0.59	0.00	7.38	4.31	2.00	0.00	0.59	0.00
7.40	4.42	2.00	0.00	0.59	0.00	7.42	4.31	2.00	0.00	0.59	0.00
7.44	4.41	2.00	0.00	0.59	0.00	7.46	4.41	2.00	0.00	0.59	0.00
7.48	4.41	2.00	0.00	0.58	0.00	7.50	4.40	2.00	0.00	0.58	0.00
7.52	4.51	2.00	0.00	0.58	0.00	7.54	4.40	2.00	0.00	0.58	0.00
7.56	4.50	2.00	0.00	0.58	0.00	7.58	4.84	2.00	0.00	0.58	0.00
7.60	4.50	2.00	0.00	0.58	0.00	7.62	4.49	2.00	0.00	0.58	0.00
7.64	4.71	2.00	0.00	0.58	0.00	7.66	4.71	2.00	0.00	0.57	0.00
7.68	4.70	2.00	0.00	0.57	0.00	7.70	4.81	2.00	0.00	0.57	0.00
7.72	4.92	2.00	0.00	0.57	0.00	7.74	4.80	2.00	0.00	0.57	0.00
7.76	4.91	2.00	0.00	0.57	0.00	7.78	4.80	2.00	0.00	0.57	0.00
7.80	5.01	2.00	0.00	0.57	0.00	7.82	4.90	2.00	0.00	0.57	0.00
7.84	4.89	2.00	0.00	0.56	0.00	7.86	5.00	2.00	0.00	0.56	0.00
7.88	5.00	2.00	0.00	0.56	0.00	7.90	4.99	2.00	0.00	0.56	0.00
7.92	4.99	2.00	0.00	0.56	0.00	7.94	5.09	2.00	0.00	0.56	0.00
7.96	5.31	2.00	0.00	0.56	0.00	7.98	5.08	2.00	0.00	0.56	0.00
8.00	5.30	2.00	0.00	0.56	0.00	8.02	5.29	2.00	0.00	0.55	0.00
8.04	5.07	2.00	0.00	0.55	0.00	8.06	5.07	2.00	0.00	0.55	0.00
8.08	5.06	2.00	0.00	0.55	0.00	8.10	5.06	2.00	0.00	0.55	0.00
8.12	4.94	2.00	0.00	0.55	0.00	8.14	5.05	2.00	0.00	0.55	0.00
8.16	4.93	2.00	0.00	0.55	0.00	8.18	4.93	2.00	0.00	0.55	0.00
8.20	4.82	2.00	0.00	0.54	0.00	8.22	4.92	2.00	0.00	0.54	0.00
8.24	4.70	2.00	0.00	0.54	0.00	8.26	4.91	2.00	0.00	0.54	0.00
8.28	5.02	2.00	0.00	0.54	0.00	8.30	5.23	2.00	0.00	0.54	0.00
8.32	5.23	2.00	0.00	0.54	0.00	8.34	5.22	2.00	0.00	0.54	0.00
8.36	5.33	2.00	0.00	0.54	0.00	8.38	5.21	2.00	0.00	0.53	0.00
8.40	5.21	2.00	0.00	0.53	0.00	8.42	4.99	2.00	0.00	0.53	0.00
8.44	5.52	2.00	0.00	0.53	0.00	8.46	6.06	2.00	0.00	0.53	0.00
8.48	6.16	2.00	0.00	0.53	0.00	8.50	5.40	2.00	0.00	0.53	0.00
8.52	4.97	2.00	0.00	0.53	0.00	8.54	4.75	2.00	0.00	0.53	0.00
8.56	4.53	2.00	0.00	0.52	0.00	8.58	4.52	2.00	0.00	0.52	0.00
8.60	4.31	2.00	0.00	0.52	0.00	8.62	4.52	2.00	0.00	0.52	0.00
8.64	4.62	2.00	0.00	0.52	0.00	8.66	4.72	2.00	0.00	0.52	0.00
8.68	4.72	2.00	0.00	0.52	0.00	8.70	4.72	2.00	0.00	0.52	0.00
8.72	4.93	2.00	0.00	0.52	0.00	8.74	4.92	2.00	0.00	0.51	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
8.76	5.13	2.00	0.00	0.51	0.00	8.78	4.70	2.00	0.00	0.51	0.00
8.80	4.80	2.00	0.00	0.51	0.00	8.82	5.12	2.00	0.00	0.51	0.00
8.84	5.33	2.00	0.00	0.51	0.00	8.86	5.22	2.00	0.00	0.51	0.00
8.88	4.79	2.00	0.00	0.51	0.00	8.90	4.78	2.00	0.00	0.51	0.00
8.92	4.67	2.00	0.00	0.50	0.00	8.94	4.67	2.00	0.00	0.50	0.00
8.96	4.67	2.00	0.00	0.50	0.00	8.98	4.88	2.00	0.00	0.50	0.00
9.00	5.29	2.00	0.00	0.50	0.00	9.02	5.40	2.00	0.00	0.50	0.00
9.04	5.29	2.00	0.00	0.50	0.00	9.06	5.28	2.00	0.00	0.50	0.00
9.08	5.38	2.00	0.00	0.50	0.00	9.10	5.80	2.00	0.00	0.49	0.00
9.12	6.32	2.00	0.00	0.49	0.00	9.14	5.89	2.00	0.00	0.49	0.00
9.16	5.16	2.00	0.00	0.49	0.00	9.18	5.05	2.00	0.00	0.49	0.00
9.20	5.04	2.00	0.00	0.49	0.00	9.22	4.72	2.00	0.00	0.49	0.00
9.24	4.72	2.00	0.00	0.49	0.00	9.26	5.03	2.00	0.00	0.49	0.00
9.28	5.86	2.00	0.00	0.48	0.00	9.30	5.65	2.00	0.00	0.48	0.00
9.32	4.71	2.00	0.00	0.48	0.00	9.34	5.64	2.00	0.00	0.48	0.00
9.36	8.45	2.00	0.00	0.48	0.00	9.38	10.10	2.00	0.00	0.48	0.00
9.40	9.06	2.00	0.00	0.48	0.00	9.42	6.97	2.00	0.00	0.48	0.00
9.44	5.83	2.00	0.00	0.48	0.00	9.46	6.44	2.00	0.00	0.47	0.00
9.48	12.54	2.00	0.00	0.47	0.00	9.50	17.38	2.00	0.00	0.47	0.00
9.52	15.10	2.00	0.00	0.47	0.00	9.54	10.65	2.00	0.00	0.47	0.00
9.56	7.55	2.00	0.00	0.47	0.00	9.58	6.20	2.00	0.00	0.47	0.00
9.60	4.55	2.00	0.00	0.47	0.00	9.62	4.03	2.00	0.00	0.47	0.00
9.64	4.02	2.00	0.00	0.46	0.00	9.66	4.12	2.00	0.00	0.46	0.00
9.68	4.12	2.00	0.00	0.46	0.00	9.70	4.53	2.00	0.00	0.46	0.00
9.72	4.94	2.00	0.00	0.46	0.00	9.74	5.14	2.00	0.00	0.46	0.00
9.76	4.42	2.00	0.00	0.46	0.00	9.78	4.10	2.00	0.00	0.46	0.00
9.80	4.31	2.00	0.00	0.46	0.00	9.82	6.66	2.00	0.00	0.45	0.00
9.84	10.94	2.00	0.00	0.45	0.00	9.86	15.11	2.00	0.00	0.45	0.00
9.88	76.06	2.00	0.00	0.45	0.00	9.90	85.37	2.00	0.00	0.45	0.00
9.92	83.61	2.00	0.00	0.45	0.00	9.94	76.19	2.00	0.00	0.45	0.00
9.96	15.25	2.00	0.00	0.45	0.00	9.98	11.99	2.00	0.00	0.45	0.00
10.00	8.73	2.00	0.00	0.44	0.00	10.02	7.31	2.00	0.00	0.44	0.00
10.04	6.19	2.00	0.00	0.44	0.00	10.06	6.38	2.00	0.00	0.44	0.00
10.08	11.02	2.00	0.00	0.44	0.00	10.10	17.47	2.00	0.00	0.44	0.00
10.12	77.58	2.00	0.00	0.44	0.00	10.14	92.17	2.00	0.00	0.44	0.00
10.16	98.62	2.00	0.00	0.44	0.00	10.18	89.59	2.00	0.00	0.43	0.00
10.20	89.96	1.04	0.50	0.43	0.01	10.22	92.53	1.07	0.41	0.43	0.01
10.24	92.72	1.08	0.41	0.43	0.01	10.26	91.70	1.06	0.43	0.43	0.01
10.28	90.23	1.04	0.48	0.43	0.01	10.30	86.73	1.00	0.67	0.43	0.01
10.32	84.87	0.98	0.85	0.43	0.02	10.34	84.84	0.98	0.85	0.43	0.02
10.36	85.38	0.99	0.78	0.42	0.02	10.38	88.16	1.02	0.57	0.42	0.01
10.40	89.37	1.03	0.51	0.42	0.01	10.42	90.27	1.05	0.47	0.42	0.01
10.44	88.47	1.02	0.55	0.42	0.01	10.46	84.57	0.98	0.86	0.42	0.02
10.48	89.44	1.04	0.50	0.42	0.01	10.50	96.97	1.13	0.30	0.42	0.01
10.52	102.71	1.22	0.22	0.42	0.00	10.54	103.12	1.23	0.22	0.41	0.00
10.56	98.76	1.16	0.27	0.41	0.01	10.58	103.10	1.23	0.22	0.41	0.00
10.60	100.76	1.19	0.24	0.41	0.00	10.62	103.12	1.23	0.22	0.41	0.00
10.64	104.63	1.26	0.20	0.41	0.00	10.66	104.61	1.26	0.20	0.41	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
10.68	106.08	1.28	0.18	0.41	0.00	10.70	111.25	1.38	0.14	0.41	0.00
10.72	112.88	1.42	0.13	0.40	0.00	10.74	107.59	1.31	0.17	0.40	0.00
10.76	98.88	1.16	0.26	0.40	0.01	10.78	93.46	1.09	0.35	0.40	0.01
10.80	91.85	1.07	0.39	0.40	0.01	10.82	90.94	1.06	0.41	0.40	0.01
10.84	90.45	1.05	0.43	0.40	0.01	10.86	91.14	1.06	0.41	0.40	0.01
10.88	91.61	1.07	0.39	0.40	0.01	10.90	91.58	1.07	0.39	0.39	0.01
10.92	91.69	1.07	0.38	0.39	0.01	10.94	92.30	1.08	0.37	0.39	0.01
10.96	93.88	1.10	0.33	0.39	0.01	10.98	94.98	1.11	0.31	0.39	0.01
11.00	95.42	1.12	0.30	0.39	0.01	11.02	94.56	1.11	0.32	0.39	0.01
11.04	91.65	1.07	0.38	0.39	0.01	11.06	88.26	1.03	0.49	0.39	0.01
11.08	88.83	1.03	0.46	0.38	0.01	11.10	91.14	1.06	0.39	0.38	0.01
11.12	91.34	1.07	0.38	0.38	0.01	11.14	93.72	1.10	0.32	0.38	0.01
11.16	96.43	1.13	0.28	0.38	0.01	11.18	102.87	1.23	0.20	0.38	0.00
11.20	111.35	1.39	0.13	0.38	0.00	11.22	115.77	1.50	0.10	0.38	0.00
11.24	116.94	1.53	0.09	0.38	0.00	11.26	115.82	1.50	0.09	0.37	0.00
11.28	114.13	1.46	0.11	0.37	0.00	11.30	111.28	1.39	0.12	0.37	0.00
11.32	107.35	1.31	0.15	0.37	0.00	11.34	100.87	1.20	0.21	0.37	0.00
11.36	95.20	2.00	0.00	0.37	0.00	11.38	95.56	2.00	0.00	0.37	0.00
11.40	99.46	2.00	0.00	0.37	0.00	11.42	102.18	2.00	0.00	0.37	0.00
11.44	102.23	2.00	0.00	0.36	0.00	11.46	99.43	2.00	0.00	0.36	0.00
11.48	93.65	2.00	0.00	0.36	0.00	11.50	84.53	2.00	0.00	0.36	0.00
11.52	19.23	2.00	0.00	0.36	0.00	11.54	15.42	2.00	0.00	0.36	0.00
11.56	23.00	2.00	0.00	0.36	0.00	11.58	92.35	2.00	0.00	0.36	0.00
11.60	95.58	2.00	0.00	0.36	0.00	11.62	91.11	2.00	0.00	0.35	0.00
11.64	87.26	1.02	0.46	0.35	0.01	11.66	86.17	1.01	0.52	0.35	0.01
11.68	87.97	1.03	0.43	0.35	0.01	11.70	89.98	1.06	0.37	0.35	0.01
11.72	91.29	1.07	0.33	0.35	0.01	11.74	90.30	1.06	0.35	0.35	0.01
11.76	90.04	1.06	0.36	0.35	0.01	11.78	90.56	1.06	0.34	0.35	0.01
11.80	91.00	1.07	0.33	0.34	0.01	11.82	91.16	1.07	0.33	0.34	0.01
11.84	92.77	1.09	0.29	0.34	0.01	11.86	97.35	1.16	0.23	0.34	0.00
11.88	105.90	1.29	0.15	0.34	0.00	11.90	108.07	1.34	0.13	0.34	0.00
11.92	105.49	1.29	0.15	0.34	0.00	11.94	103.79	1.26	0.16	0.34	0.00
11.96	102.87	1.24	0.17	0.34	0.00	11.98	101.67	1.22	0.18	0.33	0.00
12.00	99.65	1.19	0.20	0.33	0.00	12.02	97.64	1.16	0.22	0.33	0.00
12.04	96.38	1.14	0.23	0.33	0.00	12.06	95.51	1.13	0.24	0.33	0.00
12.08	94.25	1.12	0.25	0.33	0.01	12.10	93.60	1.11	0.26	0.33	0.01
12.12	93.26	1.10	0.27	0.33	0.01	12.14	92.78	1.10	0.27	0.33	0.01
12.16	93.61	1.11	0.26	0.32	0.01	12.18	94.41	1.12	0.25	0.32	0.00
12.20	95.45	1.13	0.23	0.32	0.00	12.22	90.43	1.07	0.31	0.32	0.01
12.24	85.81	1.02	0.45	0.32	0.01	12.26	82.07	0.98	0.76	0.32	0.02
12.28	82.59	0.98	0.68	0.32	0.01	12.30	85.22	1.01	0.47	0.32	0.01
12.32	83.14	0.99	0.62	0.32	0.01	12.34	80.51	0.96	1.04	0.31	0.02
12.36	79.25	0.95	1.27	0.31	0.03	12.38	81.96	0.98	0.74	0.31	0.01
12.40	82.68	0.98	0.64	0.31	0.01	12.42	81.90	2.00	0.00	0.31	0.00
12.44	82.94	2.00	0.00	0.31	0.00	12.46	86.36	2.00	0.00	0.31	0.00
12.48	88.81	2.00	0.00	0.31	0.00	12.50	89.21	1.06	0.31	0.31	0.01
12.52	87.18	1.03	0.37	0.30	0.01	12.54	84.38	1.00	0.48	0.30	0.01
12.56	82.60	0.99	0.61	0.30	0.01	12.58	82.23	0.98	0.65	0.30	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
12.60	83.47	1.00	0.53	0.30	0.01	12.62	83.49	1.00	0.53	0.30	0.01
12.64	82.66	0.99	0.59	0.30	0.01	12.66	82.29	0.98	0.62	0.30	0.01
12.68	82.70	0.99	0.58	0.30	0.01	12.70	82.55	0.99	0.59	0.29	0.01
12.72	82.06	0.98	0.63	0.29	0.01	12.74	81.66	0.98	0.67	0.29	0.01
12.76	81.39	0.98	0.70	0.29	0.01	12.78	82.37	0.99	0.59	0.29	0.01
12.80	83.41	1.00	0.50	0.29	0.01	12.82	88.20	1.05	0.31	0.29	0.01
12.84	95.57	1.15	0.20	0.29	0.00	12.86	96.31	1.16	0.19	0.29	0.00
12.88	95.25	1.14	0.20	0.28	0.00	12.90	95.72	1.15	0.19	0.28	0.00
12.92	65.54	0.84	1.36	0.28	0.03	12.94	91.42	1.09	0.24	0.28	0.00
12.96	88.42	1.06	0.29	0.28	0.01	12.98	90.78	1.08	0.25	0.28	0.00
13.00	92.88	1.11	0.22	0.28	0.00	13.02	95.17	1.14	0.19	0.28	0.00
13.04	95.26	1.14	0.19	0.28	0.00	13.06	94.85	1.14	0.19	0.27	0.00
13.08	95.26	1.15	0.19	0.27	0.00	13.10	97.73	1.18	0.16	0.27	0.00
13.12	100.33	1.22	0.14	0.27	0.00	13.14	101.52	1.24	0.14	0.27	0.00
13.16	100.81	1.23	0.14	0.27	0.00	13.18	99.79	1.21	0.15	0.27	0.00
13.20	97.74	1.18	0.16	0.27	0.00	13.22	96.72	1.17	0.17	0.27	0.00
13.24	95.46	1.15	0.18	0.26	0.00	13.26	94.89	1.14	0.18	0.26	0.00
13.28	94.50	2.00	0.00	0.26	0.00	13.30	93.99	2.00	0.00	0.26	0.00
13.32	92.19	2.00	0.00	0.26	0.00	13.34	89.09	2.00	0.00	0.26	0.00
13.36	84.02	2.00	0.00	0.26	0.00	13.38	20.42	2.00	0.00	0.26	0.00
13.40	14.97	2.00	0.00	0.26	0.00	13.42	15.59	2.00	0.00	0.25	0.00
13.44	20.93	2.00	0.00	0.25	0.00	13.46	23.59	2.00	0.00	0.25	0.00
13.48	19.56	2.00	0.00	0.25	0.00	13.50	14.04	2.00	0.00	0.25	0.00
13.52	12.17	2.00	0.00	0.25	0.00	13.54	19.95	2.00	0.00	0.25	0.00
13.56	95.32	2.00	0.00	0.25	0.00	13.58	99.53	2.00	0.00	0.25	0.00
13.60	98.64	2.00	0.00	0.24	0.00	13.62	94.13	2.00	0.00	0.24	0.00
13.64	91.07	1.10	0.20	0.24	0.00	13.66	89.12	1.08	0.22	0.24	0.00
13.68	87.63	1.06	0.24	0.24	0.00	13.70	89.26	1.08	0.21	0.24	0.00
13.72	89.12	1.08	0.22	0.24	0.00	13.74	87.79	1.06	0.23	0.24	0.00
13.76	87.22	1.06	0.24	0.24	0.00	13.78	88.37	1.07	0.22	0.23	0.00
13.80	90.78	1.10	0.19	0.23	0.00	13.82	96.22	1.17	0.14	0.23	0.00
13.84	98.47	1.21	0.13	0.23	0.00	13.86	97.51	1.19	0.13	0.23	0.00
13.88	94.48	1.15	0.15	0.23	0.00	13.90	92.74	1.13	0.16	0.23	0.00
13.92	88.59	1.08	0.21	0.23	0.00	13.94	90.09	1.09	0.19	0.23	0.00
13.96	90.11	2.00	0.00	0.22	0.00	13.98	91.10	2.00	0.00	0.22	0.00
14.00	91.94	2.00	0.00	0.22	0.00	14.02	90.42	2.00	0.00	0.22	0.00
14.04	88.04	2.00	0.00	0.22	0.00	14.06	81.44	2.00	0.00	0.22	0.00
14.08	17.05	2.00	0.00	0.22	0.00	14.10	14.35	2.00	0.00	0.22	0.00
14.12	16.25	2.00	0.00	0.22	0.00	14.14	20.61	2.00	0.00	0.21	0.00
14.16	16.58	2.00	0.00	0.21	0.00	14.18	11.97	2.00	0.00	0.21	0.00
14.20	9.12	2.00	0.00	0.21	0.00	14.22	7.31	2.00	0.00	0.21	0.00
14.24	7.05	2.00	0.00	0.21	0.00	14.26	7.04	2.00	0.00	0.21	0.00
14.28	6.87	2.00	0.00	0.21	0.00	14.30	6.78	2.00	0.00	0.21	0.00
14.32	7.03	2.00	0.00	0.20	0.00	14.34	7.36	2.00	0.00	0.20	0.00
14.36	7.96	2.00	0.00	0.20	0.00	14.38	9.23	2.00	0.00	0.20	0.00
14.40	10.08	2.00	0.00	0.20	0.00	14.42	10.08	2.00	0.00	0.20	0.00
14.44	9.56	2.00	0.00	0.20	0.00	14.46	9.30	2.00	0.00	0.20	0.00
14.48	8.86	2.00	0.00	0.20	0.00	14.50	8.60	2.00	0.00	0.19	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
14.52	8.34	2.00	0.00	0.19	0.00	14.54	8.76	2.00	0.00	0.19	0.00
14.56	8.93	2.00	0.00	0.19	0.00	14.58	9.43	2.00	0.00	0.19	0.00
14.60	9.76	2.00	0.00	0.19	0.00	14.62	9.84	2.00	0.00	0.19	0.00
14.64	9.50	2.00	0.00	0.19	0.00	14.66	9.32	2.00	0.00	0.19	0.00
14.68	9.23	2.00	0.00	0.18	0.00	14.70	8.29	2.00	0.00	0.18	0.00
14.72	7.70	2.00	0.00	0.18	0.00	14.74	7.18	2.00	0.00	0.18	0.00
14.76	6.76	2.00	0.00	0.18	0.00	14.78	6.33	2.00	0.00	0.18	0.00
14.80	6.00	2.00	0.00	0.18	0.00	14.82	5.91	2.00	0.00	0.18	0.00
14.84	5.74	2.00	0.00	0.18	0.00	14.86	5.23	2.00	0.00	0.17	0.00
14.88	5.14	2.00	0.00	0.17	0.00	14.90	4.89	2.00	0.00	0.17	0.00
14.92	4.89	2.00	0.00	0.17	0.00	14.94	4.89	2.00	0.00	0.17	0.00
14.96	4.97	2.00	0.00	0.17	0.00	14.98	4.96	2.00	0.00	0.17	0.00
15.00	5.04	2.00	0.00	0.17	0.00	15.02	5.04	2.00	0.00	0.17	0.00
15.04	5.04	2.00	0.00	0.16	0.00	15.06	5.03	2.00	0.00	0.16	0.00
15.08	5.03	2.00	0.00	0.16	0.00	15.10	5.03	2.00	0.00	0.16	0.00
15.12	5.27	2.00	0.00	0.16	0.00	15.14	5.35	2.00	0.00	0.16	0.00
15.16	5.27	2.00	0.00	0.16	0.00	15.18	5.27	2.00	0.00	0.16	0.00
15.20	5.26	2.00	0.00	0.16	0.00	15.22	5.34	2.00	0.00	0.15	0.00
15.24	5.34	2.00	0.00	0.15	0.00	15.26	5.34	2.00	0.00	0.15	0.00
15.28	5.09	2.00	0.00	0.15	0.00	15.30	5.25	2.00	0.00	0.15	0.00
15.32	5.24	2.00	0.00	0.15	0.00	15.34	5.49	2.00	0.00	0.15	0.00
15.36	5.65	2.00	0.00	0.15	0.00	15.38	5.57	2.00	0.00	0.15	0.00
15.40	5.48	2.00	0.00	0.14	0.00	15.42	5.64	2.00	0.00	0.14	0.00
15.44	5.31	2.00	0.00	0.14	0.00	15.46	5.22	2.00	0.00	0.14	0.00
15.48	5.22	2.00	0.00	0.14	0.00	15.50	5.05	2.00	0.00	0.14	0.00
15.52	5.22	2.00	0.00	0.14	0.00	15.54	5.29	2.00	0.00	0.14	0.00
15.56	5.46	2.00	0.00	0.14	0.00	15.58	5.53	2.00	0.00	0.13	0.00
15.60	5.45	2.00	0.00	0.13	0.00	15.62	5.45	2.00	0.00	0.13	0.00
15.64	5.28	2.00	0.00	0.13	0.00	15.66	5.20	2.00	0.00	0.13	0.00
15.68	5.03	2.00	0.00	0.13	0.00	15.70	4.94	2.00	0.00	0.13	0.00
15.72	4.86	2.00	0.00	0.13	0.00	15.74	4.61	2.00	0.00	0.13	0.00
15.76	4.61	2.00	0.00	0.12	0.00	15.78	4.77	2.00	0.00	0.12	0.00
15.80	4.85	2.00	0.00	0.12	0.00	15.82	4.93	2.00	0.00	0.12	0.00
15.84	5.01	2.00	0.00	0.12	0.00	15.86	5.00	2.00	0.00	0.12	0.00
15.88	4.92	2.00	0.00	0.12	0.00	15.90	4.84	2.00	0.00	0.12	0.00
15.92	4.92	2.00	0.00	0.12	0.00	15.94	4.91	2.00	0.00	0.11	0.00
15.96	4.83	2.00	0.00	0.11	0.00	15.98	4.99	2.00	0.00	0.11	0.00
16.00	4.99	2.00	0.00	0.11	0.00	16.02	4.90	2.00	0.00	0.11	0.00
16.04	4.82	2.00	0.00	0.11	0.00	16.06	4.66	2.00	0.00	0.11	0.00
16.08	4.65	2.00	0.00	0.11	0.00	16.10	4.57	2.00	0.00	0.11	0.00
16.12	4.65	2.00	0.00	0.10	0.00	16.14	4.89	2.00	0.00	0.10	0.00
16.16	4.97	2.00	0.00	0.10	0.00	16.18	4.96	2.00	0.00	0.10	0.00
16.20	4.88	2.00	0.00	0.10	0.00	16.22	4.96	2.00	0.00	0.10	0.00
16.24	4.96	2.00	0.00	0.10	0.00	16.26	5.03	2.00	0.00	0.10	0.00
16.28	5.03	2.00	0.00	0.10	0.00	16.30	5.03	2.00	0.00	0.09	0.00
16.32	5.03	2.00	0.00	0.09	0.00	16.34	5.02	2.00	0.00	0.09	0.00
16.36	4.94	2.00	0.00	0.09	0.00	16.38	4.94	2.00	0.00	0.09	0.00
16.40	4.94	2.00	0.00	0.09	0.00	16.42	4.85	2.00	0.00	0.09	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
16.44	4.93	2.00	0.00	0.09	0.00	16.46	5.01	2.00	0.00	0.09	0.00
16.48	5.17	2.00	0.00	0.08	0.00	16.50	5.16	2.00	0.00	0.08	0.00
16.52	5.16	2.00	0.00	0.08	0.00	16.54	5.16	2.00	0.00	0.08	0.00
16.56	5.00	2.00	0.00	0.08	0.00	16.58	4.99	2.00	0.00	0.08	0.00
16.60	4.83	2.00	0.00	0.08	0.00	16.62	4.83	2.00	0.00	0.08	0.00
16.64	4.83	2.00	0.00	0.08	0.00	16.66	5.14	2.00	0.00	0.07	0.00
16.68	5.30	2.00	0.00	0.07	0.00	16.70	5.22	2.00	0.00	0.07	0.00
16.72	5.45	2.00	0.00	0.07	0.00	16.74	5.45	2.00	0.00	0.07	0.00
16.76	5.53	2.00	0.00	0.07	0.00	16.78	5.53	2.00	0.00	0.07	0.00
16.80	5.52	2.00	0.00	0.07	0.00	16.82	5.52	2.00	0.00	0.07	0.00
16.84	5.44	2.00	0.00	0.06	0.00	16.86	5.52	2.00	0.00	0.06	0.00
16.88	5.20	2.00	0.00	0.06	0.00	16.90	5.35	2.00	0.00	0.06	0.00
16.92	5.35	2.00	0.00	0.06	0.00	16.94	5.35	2.00	0.00	0.06	0.00
16.96	5.34	2.00	0.00	0.06	0.00	16.98	5.42	2.00	0.00	0.06	0.00
17.00	5.65	2.00	0.00	0.06	0.00	17.02	5.89	2.00	0.00	0.05	0.00
17.04	6.28	2.00	0.00	0.05	0.00	17.06	6.76	2.00	0.00	0.05	0.00
17.08	7.31	2.00	0.00	0.05	0.00	17.10	8.10	2.00	0.00	0.05	0.00
17.12	8.49	2.00	0.00	0.05	0.00	17.14	8.41	2.00	0.00	0.05	0.00
17.16	8.09	2.00	0.00	0.05	0.00	17.18	7.61	2.00	0.00	0.05	0.00
17.20	6.81	2.00	0.00	0.04	0.00	17.22	6.25	2.00	0.00	0.04	0.00
17.24	5.70	2.00	0.00	0.04	0.00	17.26	5.30	2.00	0.00	0.04	0.00
17.28	5.30	2.00	0.00	0.04	0.00	17.30	5.14	2.00	0.00	0.04	0.00
17.32	5.21	2.00	0.00	0.04	0.00	17.34	5.68	2.00	0.00	0.04	0.00
17.36	8.36	2.00	0.00	0.04	0.00	17.38	10.98	2.00	0.00	0.03	0.00
17.40	12.24	2.00	0.00	0.03	0.00	17.42	12.15	2.00	0.00	0.03	0.00
17.44	13.65	2.00	0.00	0.03	0.00	17.46	18.46	2.00	0.00	0.03	0.00
17.48	18.77	2.00	0.00	0.03	0.00	17.50	16.11	2.00	0.00	0.03	0.00
17.52	13.31	2.00	0.00	0.03	0.00	17.54	11.80	2.00	0.00	0.03	0.00
17.56	11.80	2.00	0.00	0.02	0.00	17.58	13.13	2.00	0.00	0.02	0.00
17.60	17.19	2.00	0.00	0.02	0.00	17.62	79.66	2.00	0.00	0.02	0.00
17.64	84.58	2.00	0.00	0.02	0.00	17.66	89.04	2.00	0.00	0.02	0.00
17.68	91.39	2.00	0.00	0.02	0.00	17.70	90.07	2.00	0.00	0.02	0.00
17.72	87.15	2.00	0.00	0.02	0.00	17.74	85.37	1.12	0.01	0.01	0.00
17.76	85.53	1.12	0.01	0.01	0.00	17.78	86.57	1.13	0.01	0.01	0.00
17.80	87.53	1.15	0.01	0.01	0.00	17.82	88.16	1.15	0.01	0.01	0.00
17.84	88.20	1.15	0.01	0.01	0.00	17.86	87.31	1.14	0.00	0.01	0.00
17.88	86.76	2.00	0.00	0.01	0.00	17.90	85.80	2.00	0.00	0.01	0.00
17.92	85.56	2.00	0.00	0.00	0.00	17.94	83.97	2.00	0.00	0.00	0.00
17.96	83.71	2.00	0.00	0.00	0.00	17.98	83.05	2.00	0.00	0.00	0.00
18.00	21.71	2.00	0.00	0.00	0.00	18.02	16.77	2.00	0.00	0.00	0.00
18.04	12.10	2.00	0.00	0.00	0.00	18.06	8.81	2.00	0.00	0.00	0.00
18.08	8.19	2.00	0.00	0.00	0.00	18.10	9.58	2.00	0.00	0.00	0.00
18.12	13.33	2.00	0.00	0.00	0.00	18.14	20.66	2.00	0.00	0.00	0.00
18.16	91.30	2.00	0.00	0.00	0.00	18.18	104.10	2.00	0.00	0.00	0.00
18.20	103.24	2.00	0.00	0.00	0.00	18.22	95.50	2.00	0.00	0.00	0.00
18.24	88.00	2.00	0.00	0.00	0.00	18.26	85.74	1.14	0.00	0.00	0.00
18.28	89.97	1.19	0.00	0.00	0.00	18.30	92.63	1.23	0.00	0.00	0.00
18.32	93.27	1.24	0.00	0.00	0.00	18.34	90.07	1.19	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
18.36	89.39	1.18	0.00	0.00	0.00	18.38	94.68	1.26	0.00	0.00	0.00
18.40	97.84	1.31	0.00	0.00	0.00	18.42	100.34	2.00	0.00	0.00	0.00
18.44	95.33	2.00	0.00	0.00	0.00	18.46	85.53	2.00	0.00	0.00	0.00
18.48	17.64	2.00	0.00	0.00	0.00	18.50	13.10	2.00	0.00	0.00	0.00
18.52	11.23	2.00	0.00	0.00	0.00	18.54	8.61	2.00	0.00	0.00	0.00
18.56	6.77	2.00	0.00	0.00	0.00	18.58	5.62	2.00	0.00	0.00	0.00
18.60	5.32	2.00	0.00	0.00	0.00	18.62	5.32	2.00	0.00	0.00	0.00
18.64	5.24	2.00	0.00	0.00	0.00	18.66	5.08	2.00	0.00	0.00	0.00
18.68	5.23	2.00	0.00	0.00	0.00	18.70	5.30	2.00	0.00	0.00	0.00
18.72	5.38	2.00	0.00	0.00	0.00	18.74	5.38	2.00	0.00	0.00	0.00
18.76	5.37	2.00	0.00	0.00	0.00	18.78	5.45	2.00	0.00	0.00	0.00
18.80	5.59	2.00	0.00	0.00	0.00	18.82	5.44	2.00	0.00	0.00	0.00
18.84	5.36	2.00	0.00	0.00	0.00	18.86	5.06	2.00	0.00	0.00	0.00
18.88	5.36	2.00	0.00	0.00	0.00	18.90	5.35	2.00	0.00	0.00	0.00
18.92	5.43	2.00	0.00	0.00	0.00	18.94	5.73	2.00	0.00	0.00	0.00
18.96	6.17	2.00	0.00	0.00	0.00	18.98	6.40	2.00	0.00	0.00	0.00
19.00	6.32	2.00	0.00	0.00	0.00	19.02	6.17	2.00	0.00	0.00	0.00
19.04	5.94	2.00	0.00	0.00	0.00	19.06	5.78	2.00	0.00	0.00	0.00
19.08	5.63	2.00	0.00	0.00	0.00	19.10	5.40	2.00	0.00	0.00	0.00
19.12	5.33	2.00	0.00	0.00	0.00	19.14	5.10	2.00	0.00	0.00	0.00
19.16	4.95	2.00	0.00	0.00	0.00	19.18	4.72	2.00	0.00	0.00	0.00
19.20	4.50	2.00	0.00	0.00	0.00	19.22	4.57	2.00	0.00	0.00	0.00
19.24	4.79	2.00	0.00	0.00	0.00	19.26	4.79	2.00	0.00	0.00	0.00
19.28	5.08	2.00	0.00	0.00	0.00	19.30	5.82	2.00	0.00	0.00	0.00
19.32	6.57	2.00	0.00	0.00	0.00	19.34	7.91	2.00	0.00	0.00	0.00
19.36	9.87	2.00	0.00	0.00	0.00	19.38	12.06	2.00	0.00	0.00	0.00
19.40	13.27	2.00	0.00	0.00	0.00	19.42	13.26	2.00	0.00	0.00	0.00
19.44	12.49	2.00	0.00	0.00	0.00	19.46	10.97	2.00	0.00	0.00	0.00
19.48	9.84	2.00	0.00	0.00	0.00	19.50	9.61	2.00	0.00	0.00	0.00
19.52	8.93	2.00	0.00	0.00	0.00	19.54	8.78	2.00	0.00	0.00	0.00
19.56	8.92	2.00	0.00	0.00	0.00	19.58	9.07	2.00	0.00	0.00	0.00
19.60	8.84	2.00	0.00	0.00	0.00	19.62	9.58	2.00	0.00	0.00	0.00
19.64	10.71	2.00	0.00	0.00	0.00	19.66	11.08	2.00	0.00	0.00	0.00
19.68	10.25	2.00	0.00	0.00	0.00	19.70	8.89	2.00	0.00	0.00	0.00
19.72	7.92	2.00	0.00	0.00	0.00	19.74	7.99	2.00	0.00	0.00	0.00
19.76	7.61	2.00	0.00	0.00	0.00	19.78	9.69	2.00	0.00	0.00	0.00
19.80	17.07	2.00	0.00	0.00	0.00	19.82	80.89	2.00	0.00	0.00	0.00
19.84	82.58	2.00	0.00	0.00	0.00	19.86	82.89	2.00	0.00	0.00	0.00
19.88	81.55	2.00	0.00	0.00	0.00	19.90	22.16	2.00	0.00	0.00	0.00
19.92	20.25	2.00	0.00	0.00	0.00	19.94	17.26	2.00	0.00	0.00	0.00
19.96	14.45	2.00	0.00	0.00	0.00	19.98	11.81	2.00	0.00	0.00	0.00
20.00	9.71	2.00	0.00	0.00	0.00	20.02	8.08	2.00	0.00	0.00	0.00
20.04	7.56	2.00	0.00	0.00	0.00	20.06	7.48	2.00	0.00	0.00	0.00
20.08	7.40	2.00	0.00	0.00	0.00	20.10	7.54	2.00	0.00	0.00	0.00
20.12	7.54	2.00	0.00	0.00	0.00	20.14	7.32	2.00	0.00	0.00	0.00
20.16	6.58	2.00	0.00	0.00	0.00	20.18	5.92	2.00	0.00	0.00	0.00
20.20	5.69	2.00	0.00	0.00	0.00	20.22	6.06	2.00	0.00	0.00	0.00
20.24	6.13	2.00	0.00	0.00	0.00	20.26	6.42	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
20.28	6.56	2.00	0.00	0.00	0.00	20.30	6.19	2.00	0.00	0.00	0.00
20.32	6.12	2.00	0.00	0.00	0.00	20.34	6.04	2.00	0.00	0.00	0.00
20.36	5.89	2.00	0.00	0.00	0.00	20.38	5.89	2.00	0.00	0.00	0.00
20.40	5.74	2.00	0.00	0.00	0.00	20.42	5.74	2.00	0.00	0.00	0.00
20.44	5.66	2.00	0.00	0.00	0.00	20.46	5.73	2.00	0.00	0.00	0.00
20.48	6.02	2.00	0.00	0.00	0.00	20.50	6.09	2.00	0.00	0.00	0.00
20.52	6.09	2.00	0.00	0.00	0.00	20.54	6.09	2.00	0.00	0.00	0.00
20.56	5.79	2.00	0.00	0.00	0.00	20.58	5.79	2.00	0.00	0.00	0.00
20.60	5.79	2.00	0.00	0.00	0.00	20.62	5.79	2.00	0.00	0.00	0.00
20.64	5.78	2.00	0.00	0.00	0.00	20.66	5.92	2.00	0.00	0.00	0.00
20.68	6.14	2.00	0.00	0.00	0.00	20.70	6.21	2.00	0.00	0.00	0.00
20.72	6.06	2.00	0.00	0.00	0.00	20.74	5.91	2.00	0.00	0.00	0.00
20.76	5.77	2.00	0.00	0.00	0.00	20.78	5.98	2.00	0.00	0.00	0.00
20.80	6.34	2.00	0.00	0.00	0.00	20.82	6.48	2.00	0.00	0.00	0.00
20.84	6.19	2.00	0.00	0.00	0.00	20.86	6.33	2.00	0.00	0.00	0.00
20.88	6.62	2.00	0.00	0.00	0.00	20.90	6.90	2.00	0.00	0.00	0.00
20.92	7.19	2.00	0.00	0.00	0.00	20.94	7.47	2.00	0.00	0.00	0.00
20.96	7.83	2.00	0.00	0.00	0.00	20.98	8.19	2.00	0.00	0.00	0.00
21.00	7.97	2.00	0.00	0.00	0.00	21.02	7.46	2.00	0.00	0.00	0.00
21.04	7.24	2.00	0.00	0.00	0.00	21.06	6.88	2.00	0.00	0.00	0.00
21.08	6.73	2.00	0.00	0.00	0.00	21.10	6.51	2.00	0.00	0.00	0.00
21.12	6.36	2.00	0.00	0.00	0.00	21.14	6.29	2.00	0.00	0.00	0.00
21.16	6.36	2.00	0.00	0.00	0.00	21.18	6.71	2.00	0.00	0.00	0.00
21.20	7.28	2.00	0.00	0.00	0.00	21.22	7.35	2.00	0.00	0.00	0.00
21.24	7.56	2.00	0.00	0.00	0.00	21.26	7.56	2.00	0.00	0.00	0.00
21.28	7.77	2.00	0.00	0.00	0.00	21.30	8.42	2.00	0.00	0.00	0.00
21.32	8.77	2.00	0.00	0.00	0.00	21.34	8.98	2.00	0.00	0.00	0.00
21.36	9.27	2.00	0.00	0.00	0.00	21.38	9.26	2.00	0.00	0.00	0.00
21.40	9.04	2.00	0.00	0.00	0.00	21.42	8.89	2.00	0.00	0.00	0.00
21.44	8.60	2.00	0.00	0.00	0.00	21.46	8.31	2.00	0.00	0.00	0.00
21.48	8.45	2.00	0.00	0.00	0.00	21.50	8.87	2.00	0.00	0.00	0.00
21.52	9.23	2.00	0.00	0.00	0.00	21.54	9.37	2.00	0.00	0.00	0.00
21.56	9.72	2.00	0.00	0.00	0.00	21.58	9.64	2.00	0.00	0.00	0.00
21.60	9.78	2.00	0.00	0.00	0.00	21.62	9.71	2.00	0.00	0.00	0.00
21.64	9.77	2.00	0.00	0.00	0.00	21.66	9.91	2.00	0.00	0.00	0.00
21.68	10.41	2.00	0.00	0.00	0.00	21.70	10.91	2.00	0.00	0.00	0.00
21.72	10.90	2.00	0.00	0.00	0.00	21.74	10.97	2.00	0.00	0.00	0.00
21.76	11.47	2.00	0.00	0.00	0.00	21.78	11.24	2.00	0.00	0.00	0.00
21.80	11.67	2.00	0.00	0.00	0.00	21.82	11.16	2.00	0.00	0.00	0.00
21.84	11.37	2.00	0.00	0.00	0.00	21.86	11.15	2.00	0.00	0.00	0.00
21.88	11.72	2.00	0.00	0.00	0.00	21.90	12.00	2.00	0.00	0.00	0.00
21.92	11.78	2.00	0.00	0.00	0.00	21.94	11.56	2.00	0.00	0.00	0.00
21.96	11.69	2.00	0.00	0.00	0.00	21.98	11.69	2.00	0.00	0.00	0.00
22.00	11.54	2.00	0.00	0.00	0.00	22.02	11.46	2.00	0.00	0.00	0.00
22.04	11.95	2.00	0.00	0.00	0.00	22.06	12.16	2.00	0.00	0.00	0.00
22.08	12.37	2.00	0.00	0.00	0.00	22.10	12.80	2.00	0.00	0.00	0.00
22.12	13.15	2.00	0.00	0.00	0.00	22.14	13.36	2.00	0.00	0.00	0.00
22.16	13.71	2.00	0.00	0.00	0.00	22.18	13.78	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
22.20	13.55	2.00	0.00	0.00	0.00	22.22	13.69	2.00	0.00	0.00	0.00
22.24	14.04	2.00	0.00	0.00	0.00	22.26	14.11	2.00	0.00	0.00	0.00
22.28	14.10	2.00	0.00	0.00	0.00	22.30	13.95	2.00	0.00	0.00	0.00
22.32	14.01	2.00	0.00	0.00	0.00	22.34	13.86	2.00	0.00	0.00	0.00
22.36	13.49	2.00	0.00	0.00	0.00	22.38	13.27	2.00	0.00	0.00	0.00
22.40	13.19	2.00	0.00	0.00	0.00	22.42	13.18	2.00	0.00	0.00	0.00
22.44	13.10	2.00	0.00	0.00	0.00	22.46	12.67	2.00	0.00	0.00	0.00
22.48	12.66	2.00	0.00	0.00	0.00	22.50	12.73	2.00	0.00	0.00	0.00
22.52	12.72	2.00	0.00	0.00	0.00	22.54	12.64	2.00	0.00	0.00	0.00
22.56	12.49	2.00	0.00	0.00	0.00	22.58	11.99	2.00	0.00	0.00	0.00
22.60	11.84	2.00	0.00	0.00	0.00	22.62	12.12	2.00	0.00	0.00	0.00
22.64	12.25	2.00	0.00	0.00	0.00	22.66	12.53	2.00	0.00	0.00	0.00
22.68	12.88	2.00	0.00	0.00	0.00	22.70	13.08	2.00	0.00	0.00	0.00
22.72	13.36	2.00	0.00	0.00	0.00	22.74	13.35	2.00	0.00	0.00	0.00
22.76	13.56	2.00	0.00	0.00	0.00	22.78	13.55	2.00	0.00	0.00	0.00
22.80	12.55	2.00	0.00	0.00	0.00	22.82	13.25	2.00	0.00	0.00	0.00
22.84	13.88	2.00	0.00	0.00	0.00	22.86	14.09	2.00	0.00	0.00	0.00
22.88	13.87	2.00	0.00	0.00	0.00	22.90	13.79	2.00	0.00	0.00	0.00
22.92	13.64	2.00	0.00	0.00	0.00	22.94	13.63	2.00	0.00	0.00	0.00
22.96	13.55	2.00	0.00	0.00	0.00	22.98	13.47	2.00	0.00	0.00	0.00
23.00	13.32	2.00	0.00	0.00	0.00	23.02	13.25	2.00	0.00	0.00	0.00
23.04	13.66	2.00	0.00	0.00	0.00	23.06	14.50	2.00	0.00	0.00	0.00
23.08	15.28	2.00	0.00	0.00	0.00	23.10	15.91	2.00	0.00	0.00	0.00
23.12	15.97	2.00	0.00	0.00	0.00	23.14	15.68	2.00	0.00	0.00	0.00
23.16	15.10	2.00	0.00	0.00	0.00	23.18	15.02	2.00	0.00	0.00	0.00
23.20	14.87	2.00	0.00	0.00	0.00	23.22	14.51	2.00	0.00	0.00	0.00
23.24	14.15	2.00	0.00	0.00	0.00	23.26	13.93	2.00	0.00	0.00	0.00
23.28	13.50	2.00	0.00	0.00	0.00	23.30	13.42	2.00	0.00	0.00	0.00
23.32	13.35	2.00	0.00	0.00	0.00	23.34	13.13	2.00	0.00	0.00	0.00
23.36	13.12	2.00	0.00	0.00	0.00	23.38	13.04	2.00	0.00	0.00	0.00
23.40	12.76	2.00	0.00	0.00	0.00	23.42	12.61	2.00	0.00	0.00	0.00
23.44	12.53	2.00	0.00	0.00	0.00	23.46	12.39	2.00	0.00	0.00	0.00
23.48	12.10	2.00	0.00	0.00	0.00	23.50	12.24	2.00	0.00	0.00	0.00
23.52	12.37	2.00	0.00	0.00	0.00	23.54	12.64	2.00	0.00	0.00	0.00
23.56	12.77	2.00	0.00	0.00	0.00	23.58	12.56	2.00	0.00	0.00	0.00
23.60	12.27	2.00	0.00	0.00	0.00	23.62	12.41	2.00	0.00	0.00	0.00
23.64	12.61	2.00	0.00	0.00	0.00	23.66	12.74	2.00	0.00	0.00	0.00
23.68	12.73	2.00	0.00	0.00	0.00	23.70	12.66	2.00	0.00	0.00	0.00
23.72	12.86	2.00	0.00	0.00	0.00	23.74	13.27	2.00	0.00	0.00	0.00
23.76	13.12	2.00	0.00	0.00	0.00	23.78	12.77	2.00	0.00	0.00	0.00
23.80	12.55	2.00	0.00	0.00	0.00	23.82	13.17	2.00	0.00	0.00	0.00
23.84	12.82	2.00	0.00	0.00	0.00	23.86	12.95	2.00	0.00	0.00	0.00
23.88	13.36	2.00	0.00	0.00	0.00	23.90	13.21	2.00	0.00	0.00	0.00
23.92	12.79	2.00	0.00	0.00	0.00	23.94	12.44	2.00	0.00	0.00	0.00
23.96	11.95	2.00	0.00	0.00	0.00	23.98	11.67	2.00	0.00	0.00	0.00
24.00	11.67	2.00	0.00	0.00	0.00	24.02	11.59	2.00	0.00	0.00	0.00
24.04	11.31	2.00	0.00	0.00	0.00	24.06	11.10	2.00	0.00	0.00	0.00
24.08	10.83	2.00	0.00	0.00	0.00	24.10	10.41	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
24.12	10.27	2.00	0.00	0.00	0.00	24.14	10.13	2.00	0.00	0.00	0.00
24.16	10.13	2.00	0.00	0.00	0.00	24.18	10.26	2.00	0.00	0.00	0.00
24.20	9.98	2.00	0.00	0.00	0.00	24.22	9.91	2.00	0.00	0.00	0.00
24.24	9.90	2.00	0.00	0.00	0.00	24.26	9.83	2.00	0.00	0.00	0.00
24.28	9.62	2.00	0.00	0.00	0.00	24.30	9.62	2.00	0.00	0.00	0.00
24.32	9.62	2.00	0.00	0.00	0.00	24.34	9.61	2.00	0.00	0.00	0.00
24.36	9.74	2.00	0.00	0.00	0.00	24.38	9.74	2.00	0.00	0.00	0.00
24.40	9.60	2.00	0.00	0.00	0.00	24.42	9.12	2.00	0.00	0.00	0.00
24.44	9.05	2.00	0.00	0.00	0.00	24.46	9.11	2.00	0.00	0.00	0.00
24.48	9.31	2.00	0.00	0.00	0.00	24.50	9.31	2.00	0.00	0.00	0.00
24.52	8.90	2.00	0.00	0.00	0.00	24.54	8.56	2.00	0.00	0.00	0.00
24.56	8.69	2.00	0.00	0.00	0.00	24.58	8.75	2.00	0.00	0.00	0.00
24.60	8.95	2.00	0.00	0.00	0.00	24.62	9.68	2.00	0.00	0.00	0.00
24.64	10.68	2.00	0.00	0.00	0.00	24.66	12.02	2.00	0.00	0.00	0.00
24.68	12.42	2.00	0.00	0.00	0.00	24.70	12.21	2.00	0.00	0.00	0.00
24.72	11.60	2.00	0.00	0.00	0.00	24.74	11.05	2.00	0.00	0.00	0.00
24.76	10.71	2.00	0.00	0.00	0.00	24.78	5.76	2.00	0.00	0.00	0.00
24.80	9.84	2.00	0.00	0.00	0.00	24.82	9.37	2.00	0.00	0.00	0.00
24.84	9.56	2.00	0.00	0.00	0.00	24.86	9.23	2.00	0.00	0.00	0.00
24.88	8.82	2.00	0.00	0.00	0.00	24.90	8.69	2.00	0.00	0.00	0.00
24.92	8.88	2.00	0.00	0.00	0.00	24.94	9.14	2.00	0.00	0.00	0.00
24.96	9.33	2.00	0.00	0.00	0.00	24.98	9.53	2.00	0.00	0.00	0.00
25.00	9.59	2.00	0.00	0.00	0.00	25.02	9.45	2.00	0.00	0.00	0.00
25.04	9.12	2.00	0.00	0.00	0.00	25.06	8.98	2.00	0.00	0.00	0.00
25.08	8.98	2.00	0.00	0.00	0.00	25.10	8.97	2.00	0.00	0.00	0.00
25.12	9.23	2.00	0.00	0.00	0.00	25.14	9.95	2.00	0.00	0.00	0.00
25.16	11.14	2.00	0.00	0.00	0.00	25.18	11.67	2.00	0.00	0.00	0.00
25.20	11.40	2.00	0.00	0.00	0.00	25.22	11.66	2.00	0.00	0.00	0.00
25.24	12.05	2.00	0.00	0.00	0.00	25.26	11.85	2.00	0.00	0.00	0.00
25.28	11.71	2.00	0.00	0.00	0.00	25.30	11.84	2.00	0.00	0.00	0.00
25.32	12.03	2.00	0.00	0.00	0.00	25.34	11.82	2.00	0.00	0.00	0.00
25.36	11.75	2.00	0.00	0.00	0.00	25.38	11.61	2.00	0.00	0.00	0.00
25.40	11.34	2.00	0.00	0.00	0.00	25.42	11.40	2.00	0.00	0.00	0.00
25.44	11.40	2.00	0.00	0.00	0.00	25.46	11.59	2.00	0.00	0.00	0.00
25.48	11.78	2.00	0.00	0.00	0.00	25.50	11.65	2.00	0.00	0.00	0.00
25.52	11.71	2.00	0.00	0.00	0.00	25.54	11.77	2.00	0.00	0.00	0.00
25.56	11.89	2.00	0.00	0.00	0.00	25.58	11.89	2.00	0.00	0.00	0.00
25.60	11.88	2.00	0.00	0.00	0.00	25.62	11.48	2.00	0.00	0.00	0.00
25.64	10.95	2.00	0.00	0.00	0.00	25.66	10.48	2.00	0.00	0.00	0.00
25.68	10.02	2.00	0.00	0.00	0.00	25.70	9.17	2.00	0.00	0.00	0.00
25.72	8.19	2.00	0.00	0.00	0.00	25.74	8.38	2.00	0.00	0.00	0.00
25.76	8.51	2.00	0.00	0.00	0.00	25.78	7.98	2.00	0.00	0.00	0.00
25.80	8.43	2.00	0.00	0.00	0.00	25.82	8.56	2.00	0.00	0.00	0.00
25.84	8.43	2.00	0.00	0.00	0.00	25.86	8.42	2.00	0.00	0.00	0.00
25.88	8.48	2.00	0.00	0.00	0.00	25.90	8.48	2.00	0.00	0.00	0.00
25.92	8.35	2.00	0.00	0.00	0.00	25.94	8.73	2.00	0.00	0.00	0.00
25.96	8.60	2.00	0.00	0.00	0.00	25.98	8.46	2.00	0.00	0.00	0.00
26.00	8.20	2.00	0.00	0.00	0.00	26.02	8.20	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
26.04	8.32	2.00	0.00	0.00	0.00	26.06	8.51	2.00	0.00	0.00	0.00
26.08	8.83	2.00	0.00	0.00	0.00	26.10	9.15	2.00	0.00	0.00	0.00
26.12	10.31	2.00	0.00	0.00	0.00	26.14	10.11	2.00	0.00	0.00	0.00
26.16	10.24	2.00	0.00	0.00	0.00	26.18	11.14	2.00	0.00	0.00	0.00
26.20	12.90	2.00	0.00	0.00	0.00	26.22	10.68	2.00	0.00	0.00	0.00
26.24	11.58	2.00	0.00	0.00	0.00	26.26	11.84	2.00	0.00	0.00	0.00
26.28	11.51	2.00	0.00	0.00	0.00	26.30	10.79	2.00	0.00	0.00	0.00
26.32	10.46	2.00	0.00	0.00	0.00	26.34	9.87	2.00	0.00	0.00	0.00
26.36	9.16	2.00	0.00	0.00	0.00	26.38	8.84	2.00	0.00	0.00	0.00
26.40	8.45	2.00	0.00	0.00	0.00	26.42	7.94	2.00	0.00	0.00	0.00
26.44	7.30	2.00	0.00	0.00	0.00	26.46	6.79	2.00	0.00	0.00	0.00
26.48	6.79	2.00	0.00	0.00	0.00	26.50	6.53	2.00	0.00	0.00	0.00
26.52	6.40	2.00	0.00	0.00	0.00	26.54	6.46	2.00	0.00	0.00	0.00
26.56	6.71	2.00	0.00	0.00	0.00	26.58	6.96	2.00	0.00	0.00	0.00
26.60	7.28	2.00	0.00	0.00	0.00	26.62	7.34	2.00	0.00	0.00	0.00
26.64	7.46	2.00	0.00	0.00	0.00	26.66	7.58	2.00	0.00	0.00	0.00
26.68	7.64	2.00	0.00	0.00	0.00	26.70	7.83	2.00	0.00	0.00	0.00
26.72	7.95	2.00	0.00	0.00	0.00	26.74	8.20	2.00	0.00	0.00	0.00
26.76	8.20	2.00	0.00	0.00	0.00	26.78	8.45	2.00	0.00	0.00	0.00
26.80	8.38	2.00	0.00	0.00	0.00	26.82	8.76	2.00	0.00	0.00	0.00
26.84	8.82	2.00	0.00	0.00	0.00	26.86	9.14	2.00	0.00	0.00	0.00
26.88	9.20	2.00	0.00	0.00	0.00	26.90	9.06	2.00	0.00	0.00	0.00
26.92	8.68	2.00	0.00	0.00	0.00	26.94	8.49	2.00	0.00	0.00	0.00
26.96	8.55	2.00	0.00	0.00	0.00	26.98	8.73	2.00	0.00	0.00	0.00
27.00	8.92	2.00	0.00	0.00	0.00	27.02	9.30	2.00	0.00	0.00	0.00
27.04	9.17	2.00	0.00	0.00	0.00	27.06	8.78	2.00	0.00	0.00	0.00
27.08	8.84	2.00	0.00	0.00	0.00	27.10	9.22	2.00	0.00	0.00	0.00
27.12	10.10	2.00	0.00	0.00	0.00	27.14	10.67	2.00	0.00	0.00	0.00
27.16	10.22	2.00	0.00	0.00	0.00	27.18	9.58	2.00	0.00	0.00	0.00
27.20	9.26	2.00	0.00	0.00	0.00	27.22	8.69	2.00	0.00	0.00	0.00
27.24	8.37	2.00	0.00	0.00	0.00	27.26	7.93	2.00	0.00	0.00	0.00
27.28	7.74	2.00	0.00	0.00	0.00	27.30	7.74	2.00	0.00	0.00	0.00
27.32	8.30	2.00	0.00	0.00	0.00	27.34	8.80	2.00	0.00	0.00	0.00
27.36	9.55	2.00	0.00	0.00	0.00	27.38	9.92	2.00	0.00	0.00	0.00
27.40	9.41	2.00	0.00	0.00	0.00	27.42	9.16	2.00	0.00	0.00	0.00
27.44	9.09	2.00	0.00	0.00	0.00	27.46	9.40	2.00	0.00	0.00	0.00
27.48	9.40	2.00	0.00	0.00	0.00	27.50	8.96	2.00	0.00	0.00	0.00
27.52	9.02	2.00	0.00	0.00	0.00	27.54	9.33	2.00	0.00	0.00	0.00
27.56	9.95	2.00	0.00	0.00	0.00	27.58	12.48	2.00	0.00	0.00	0.00
27.60	19.19	2.00	0.00	0.00	0.00	27.62	24.02	2.00	0.00	0.00	0.00
27.64	20.55	2.00	0.00	0.00	0.00	27.66	15.86	2.00	0.00	0.00	0.00
27.68	13.43	2.00	0.00	0.00	0.00	27.70	14.90	2.00	0.00	0.00	0.00
27.72	19.52	2.00	0.00	0.00	0.00	27.74	27.31	2.00	0.00	0.00	0.00
27.76	20.06	2.00	0.00	0.00	0.00	27.78	101.53	2.00	0.00	0.00	0.00
27.80	107.71	2.00	0.00	0.00	0.00	27.82	113.16	2.00	0.00	0.00	0.00
27.84	112.46	2.00	0.00	0.00	0.00	27.86	104.75	2.00	0.00	0.00	0.00
27.88	95.50	2.00	0.00	0.00	0.00	27.90	93.30	2.00	0.00	0.00	0.00
27.92	97.94	2.00	0.00	0.00	0.00	27.94	103.37	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
27.96	105.14	2.00	0.00	0.00	0.00	27.98	105.91	2.00	0.00	0.00	0.00
28.00	108.77	2.00	0.00	0.00	0.00	28.02	110.86	2.00	0.00	0.00	0.00
28.04	110.15	2.00	0.00	0.00	0.00	28.06	108.69	2.00	0.00	0.00	0.00
28.08	108.40	2.00	0.00	0.00	0.00	28.10	107.34	2.00	0.00	0.00	0.00
28.12	102.83	2.00	0.00	0.00	0.00	28.14	98.17	2.00	0.00	0.00	0.00
28.16	96.21	2.00	0.00	0.00	0.00	28.18	97.69	2.00	0.00	0.00	0.00
28.20	99.87	2.00	0.00	0.00	0.00	28.22	100.80	2.00	0.00	0.00	0.00
28.24	101.16	2.00	0.00	0.00	0.00	28.26	101.76	2.00	0.00	0.00	0.00
28.28	102.01	2.00	0.00	0.00	0.00	28.30	102.42	2.00	0.00	0.00	0.00
28.32	103.51	2.00	0.00	0.00	0.00	28.34	105.36	2.00	0.00	0.00	0.00
28.36	106.50	2.00	0.00	0.00	0.00	28.38	107.02	2.00	0.00	0.00	0.00
28.40	108.29	2.00	0.00	0.00	0.00	28.42	110.23	2.00	0.00	0.00	0.00
28.44	112.24	2.00	0.00	0.00	0.00	28.46	114.94	2.00	0.00	0.00	0.00
28.48	117.40	2.00	0.00	0.00	0.00	28.50	119.53	2.00	0.00	0.00	0.00
28.52	121.21	2.00	0.00	0.00	0.00	28.54	122.61	2.00	0.00	0.00	0.00
28.56	123.10	2.00	0.00	0.00	0.00	28.58	123.39	2.00	0.00	0.00	0.00
28.60	123.36	2.00	0.00	0.00	0.00	28.62	123.67	2.00	0.00	0.00	0.00
28.64	124.74	2.00	0.00	0.00	0.00	28.66	127.44	2.00	0.00	0.00	0.00
28.68	132.58	2.00	0.00	0.00	0.00	28.70	138.63	2.00	0.00	0.00	0.00
28.72	142.61	2.00	0.00	0.00	0.00	28.74	150.41	2.00	0.00	0.00	0.00
28.76	111.01	2.00	0.00	0.00	0.00	28.78	147.99	2.00	0.00	0.00	0.00
28.80	140.94	2.00	0.00	0.00	0.00	28.82	141.28	2.00	0.00	0.00	0.00
28.84	141.85	2.00	0.00	0.00	0.00	28.86	140.58	2.00	0.00	0.00	0.00
28.88	138.50	2.00	0.00	0.00	0.00	28.90	136.09	2.00	0.00	0.00	0.00
28.92	132.73	2.00	0.00	0.00	0.00	28.94	130.55	2.00	0.00	0.00	0.00
28.96	130.73	2.00	0.00	0.00	0.00	28.98	132.73	2.00	0.00	0.00	0.00
29.00	135.76	2.00	0.00	0.00	0.00	29.02	138.89	2.00	0.00	0.00	0.00
29.04	141.52	2.00	0.00	0.00	0.00	29.06	143.45	2.00	0.00	0.00	0.00
29.08	145.16	2.00	0.00	0.00	0.00	29.10	146.35	2.00	0.00	0.00	0.00
29.12	146.06	2.00	0.00	0.00	0.00	29.14	145.26	2.00	0.00	0.00	0.00
29.16	143.89	2.00	0.00	0.00	0.00	29.18	142.34	2.00	0.00	0.00	0.00
29.20	141.23	2.00	0.00	0.00	0.00	29.22	140.14	2.00	0.00	0.00	0.00
29.24	139.31	2.00	0.00	0.00	0.00	29.26	138.98	2.00	0.00	0.00	0.00
29.28	137.27	2.00	0.00	0.00	0.00	29.30	134.17	2.00	0.00	0.00	0.00
29.32	131.55	2.00	0.00	0.00	0.00	29.34	128.61	2.00	0.00	0.00	0.00
29.36	127.81	2.00	0.00	0.00	0.00	29.38	130.53	2.00	0.00	0.00	0.00
29.40	134.95	2.00	0.00	0.00	0.00	29.42	141.43	2.00	0.00	0.00	0.00
29.44	145.53	2.00	0.00	0.00	0.00	29.46	147.90	2.00	0.00	0.00	0.00
29.48	148.35	2.00	0.00	0.00	0.00	29.50	148.12	2.00	0.00	0.00	0.00
29.52	148.14	2.00	0.00	0.00	0.00	29.54	146.60	2.00	0.00	0.00	0.00
29.56	144.79	2.00	0.00	0.00	0.00	29.58	138.93	2.00	0.00	0.00	0.00
29.60	131.60	2.00	0.00	0.00	0.00	29.62	130.22	2.00	0.00	0.00	0.00
29.64	132.69	2.00	0.00	0.00	0.00	29.66	137.51	2.00	0.00	0.00	0.00
29.68	144.84	2.00	0.00	0.00	0.00	29.70	154.49	2.00	0.00	0.00	0.00
29.72	156.10	2.00	0.00	0.00	0.00	29.74	144.13	2.00	0.00	0.00	0.00
29.76	167.68	2.00	0.00	0.00	0.00	29.78	155.16	2.00	0.00	0.00	0.00
29.80	150.70	2.00	0.00	0.00	0.00	29.82	147.47	2.00	0.00	0.00	0.00
29.84	148.44	2.00	0.00	0.00	0.00	29.86	144.86	2.00	0.00	0.00	0.00

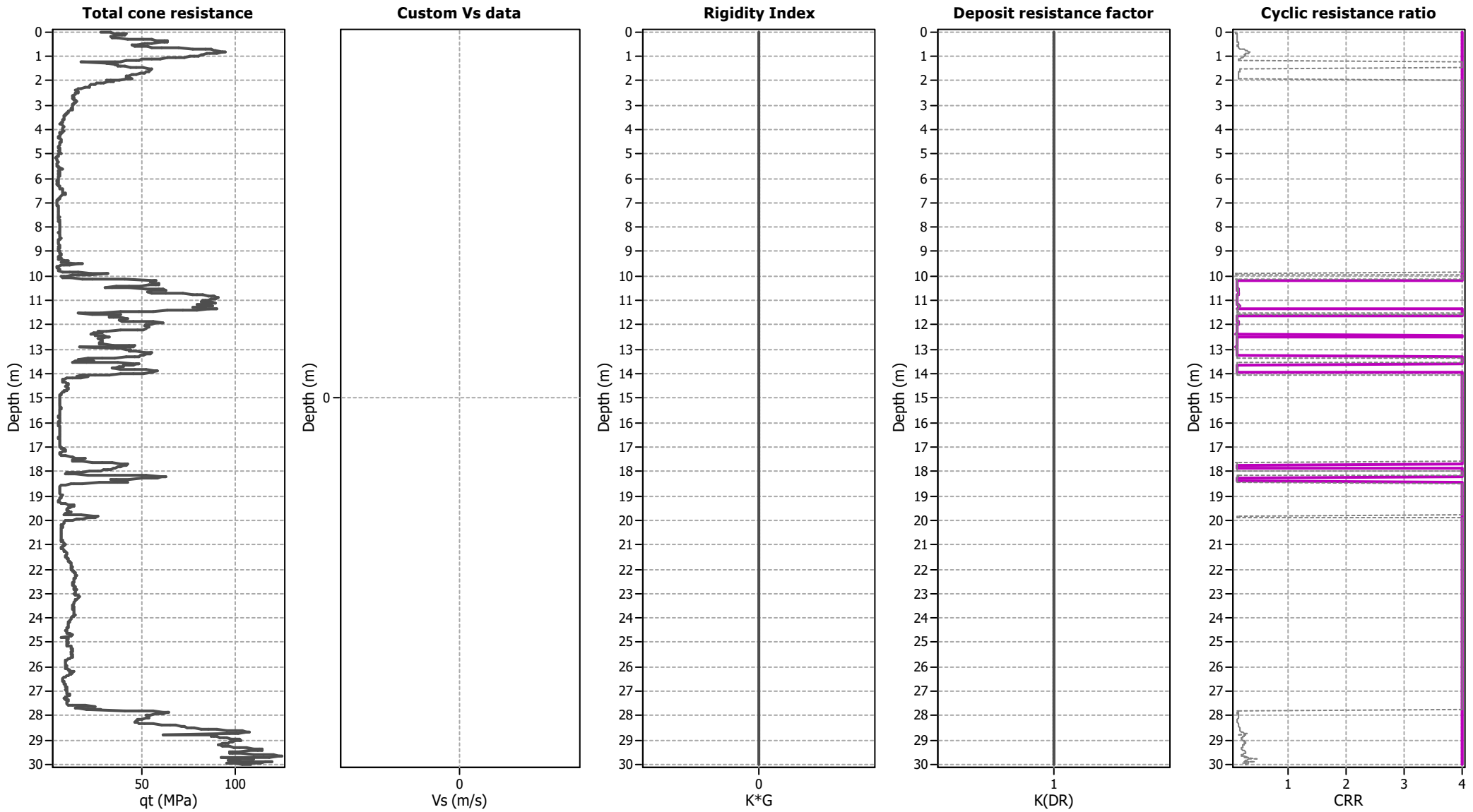
:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
29.88	165.15	2.00	0.00	0.00	0.00	29.90	153.23	2.00	0.00	0.00	0.00
29.92	155.61	2.00	0.00	0.00	0.00	29.94	137.74	2.00	0.00	0.00	0.00
29.96	148.44	2.00	0.00	0.00	0.00	29.98	149.10	2.00	0.00	0.00	0.00
30.00	152.24	2.00	0.00	0.00	0.00						

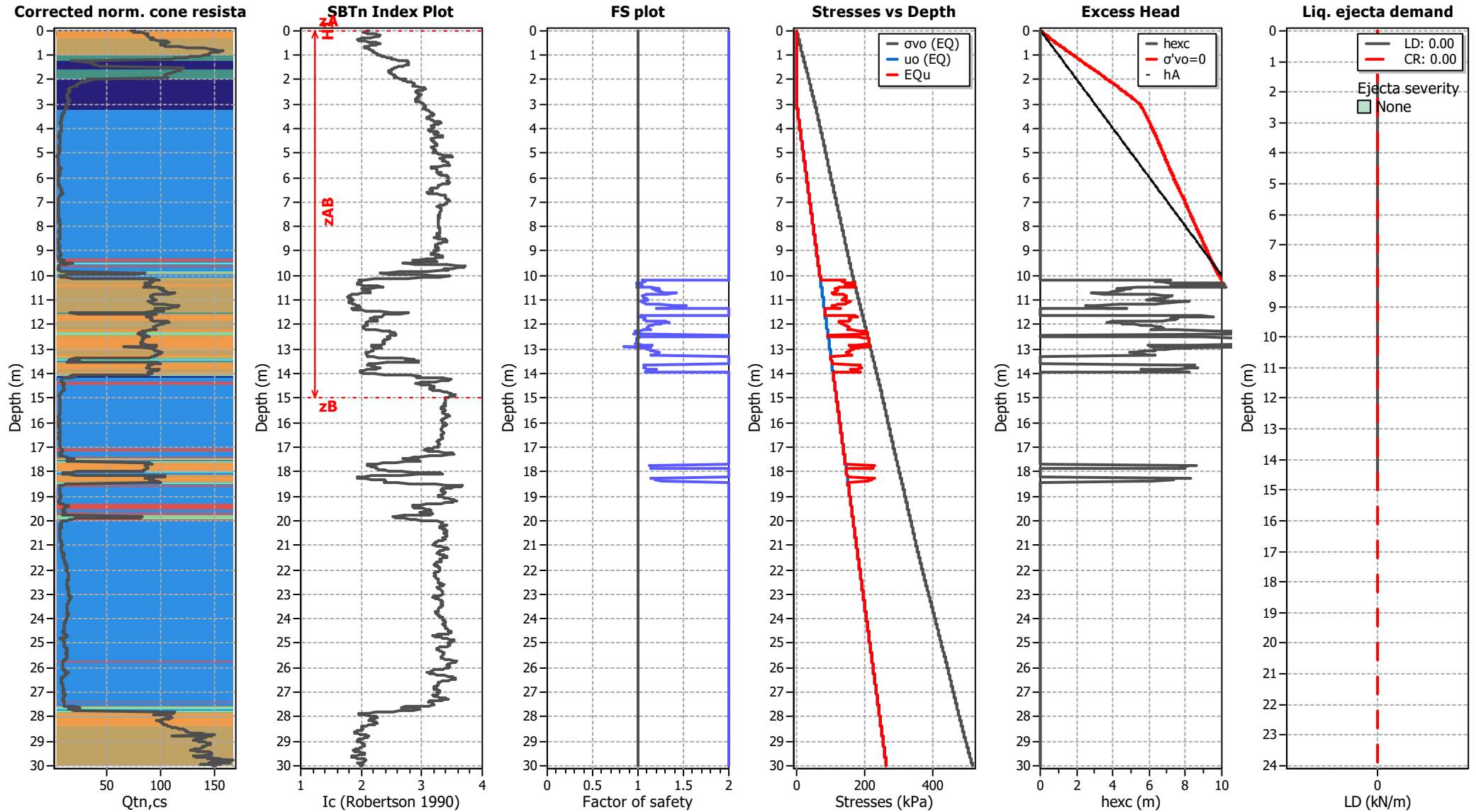
Total estimated settlement: 1.06**Abbreviations**

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
 FS: Factor of safety against liquefaction
 e_v (%): Post-liquefaction volumetric strain
 DF: e_v depth weighting factor
 Settlement: Calculated settlement

Aging Calculation Estimation



Ejecta Severity Estimation



LIQUEFACTION ANALYSIS REPORT

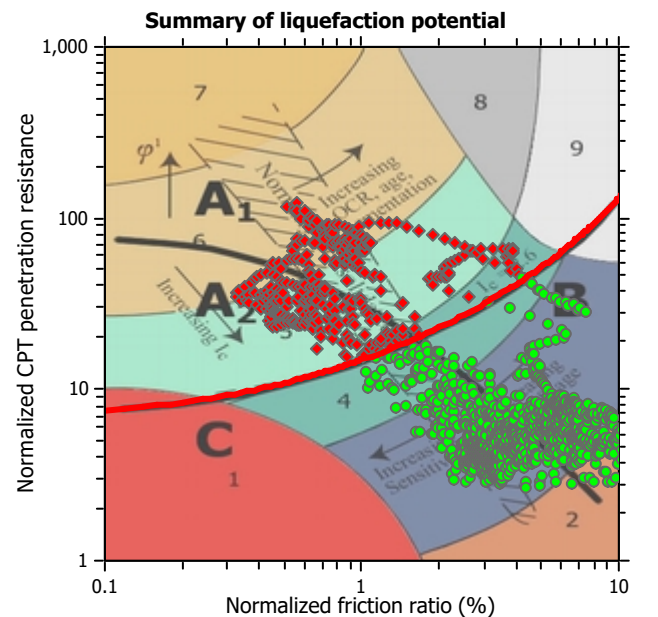
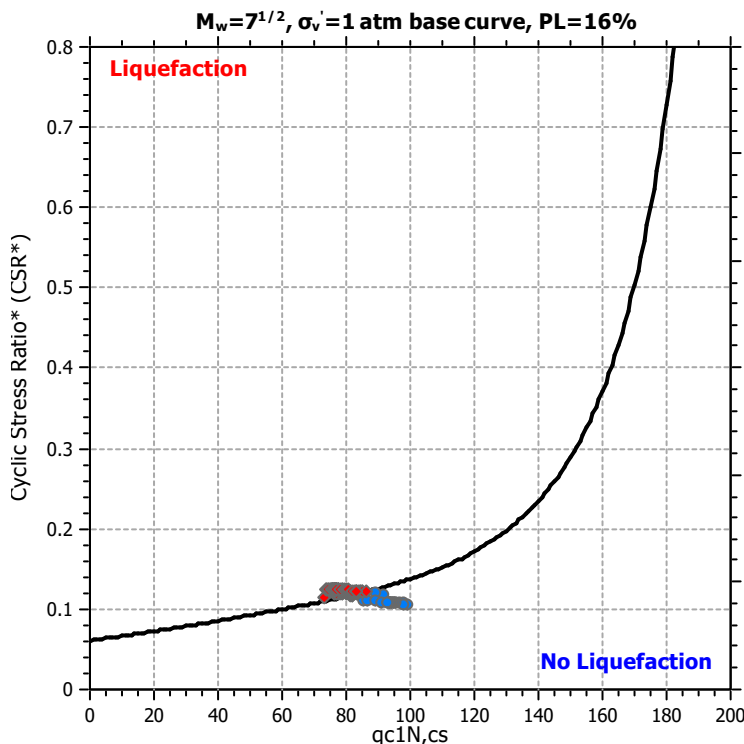
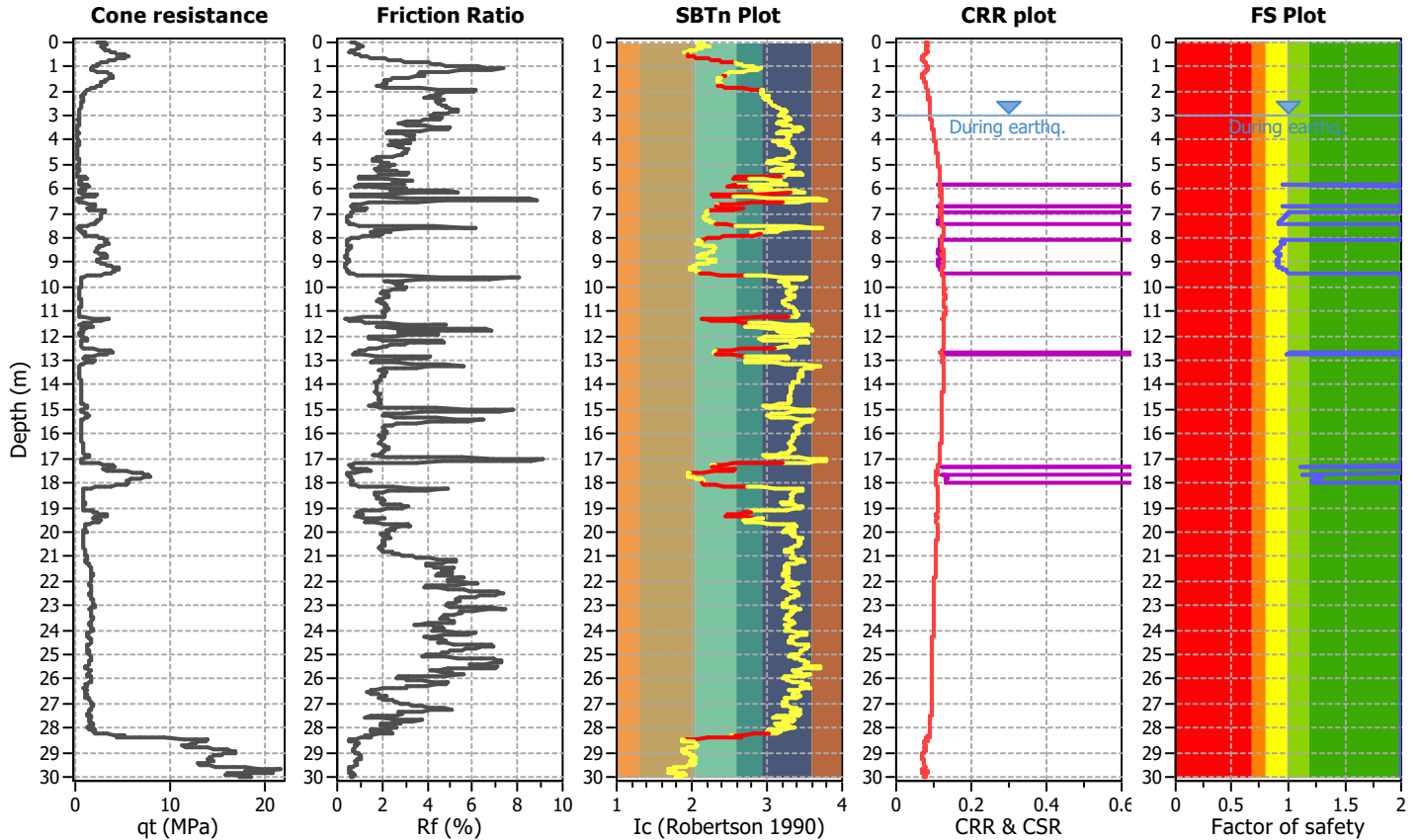
Project title :

Location :

CPT file : rif. U82-13 CPTU3 Migliaro Soc

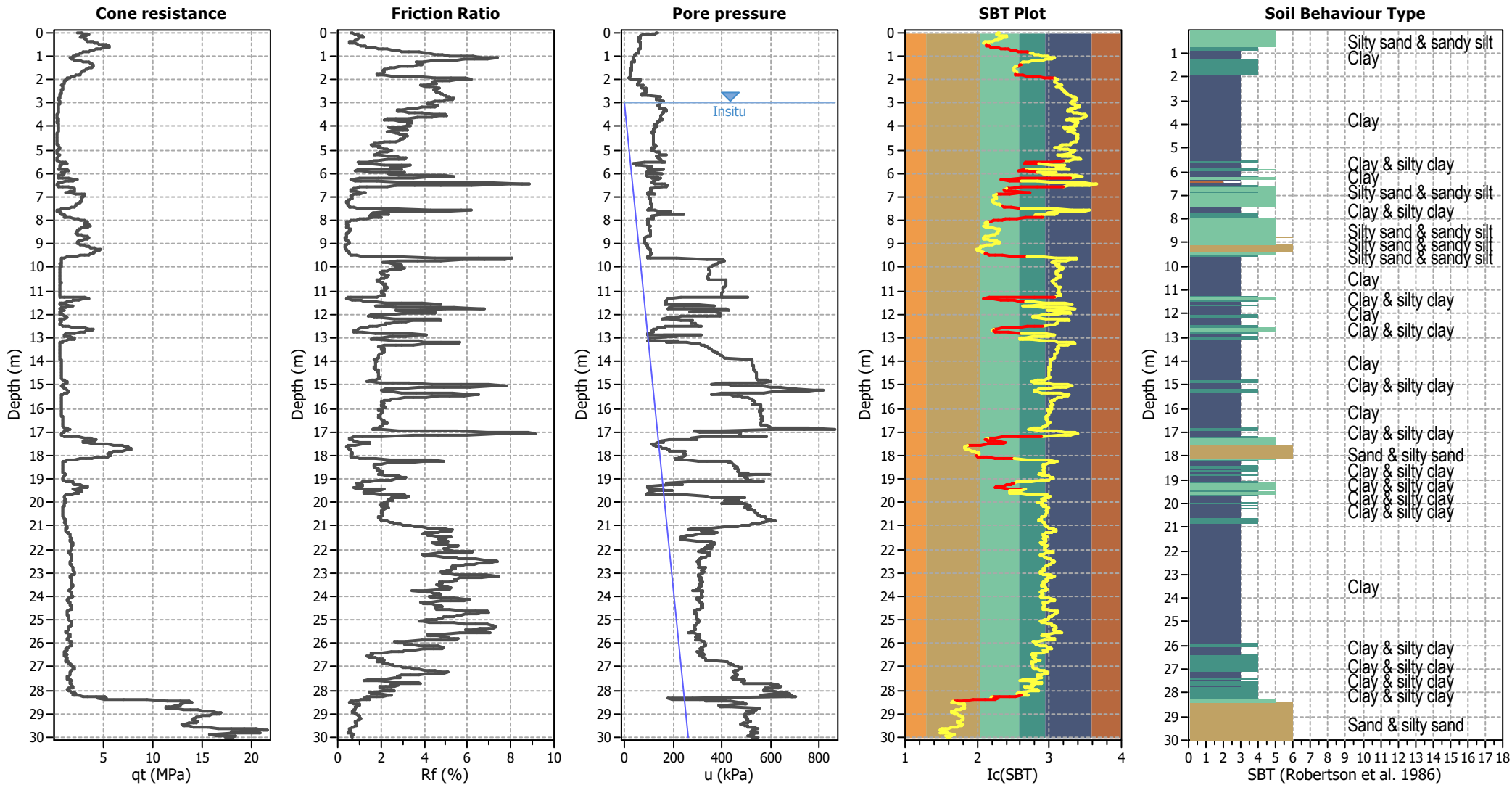
Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	3.00 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	3.00 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	5.50	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	Limit depth:	20.00 m
Peak ground acceleration:	0.14	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	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



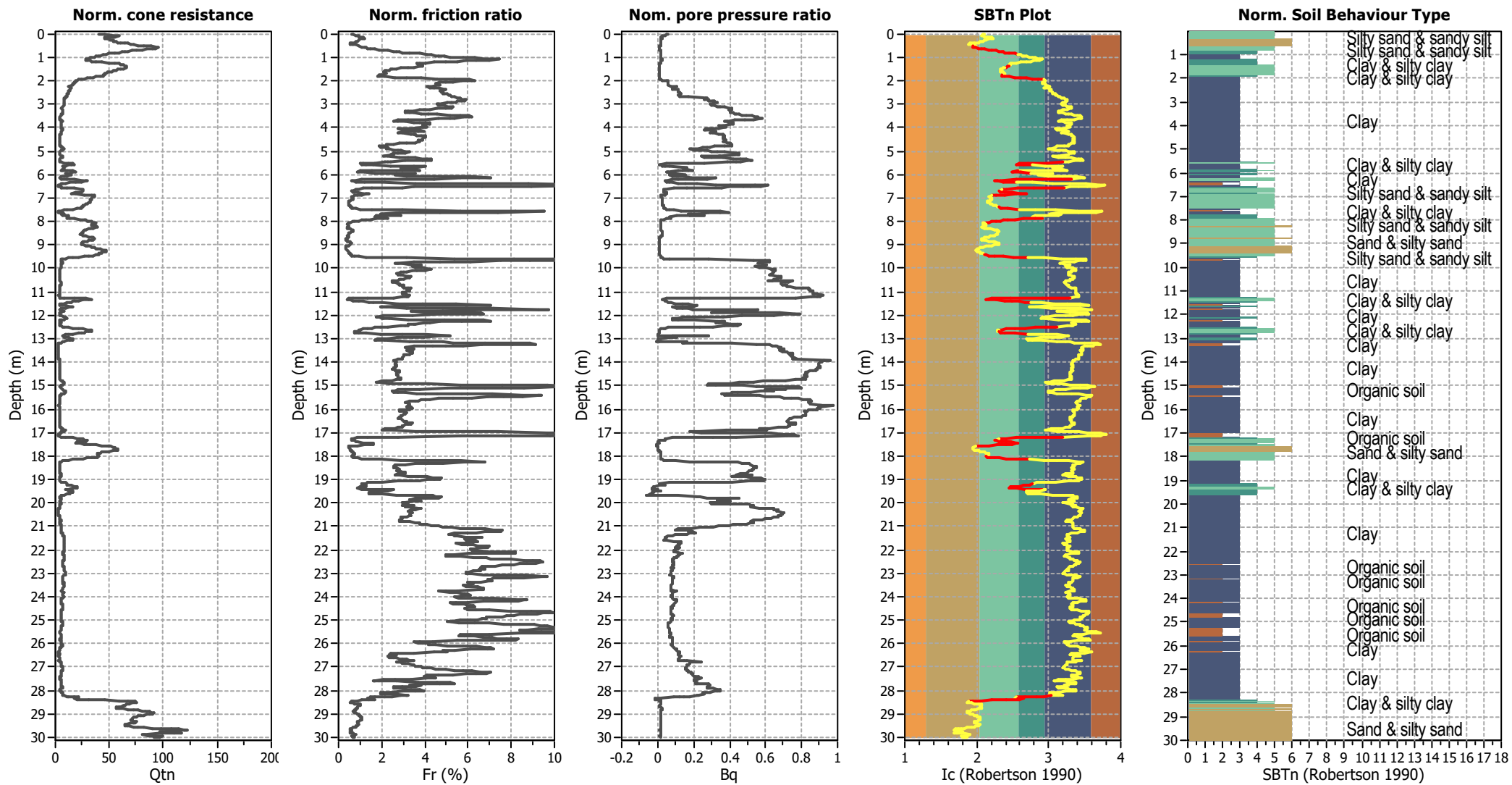
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K ₀ applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

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)



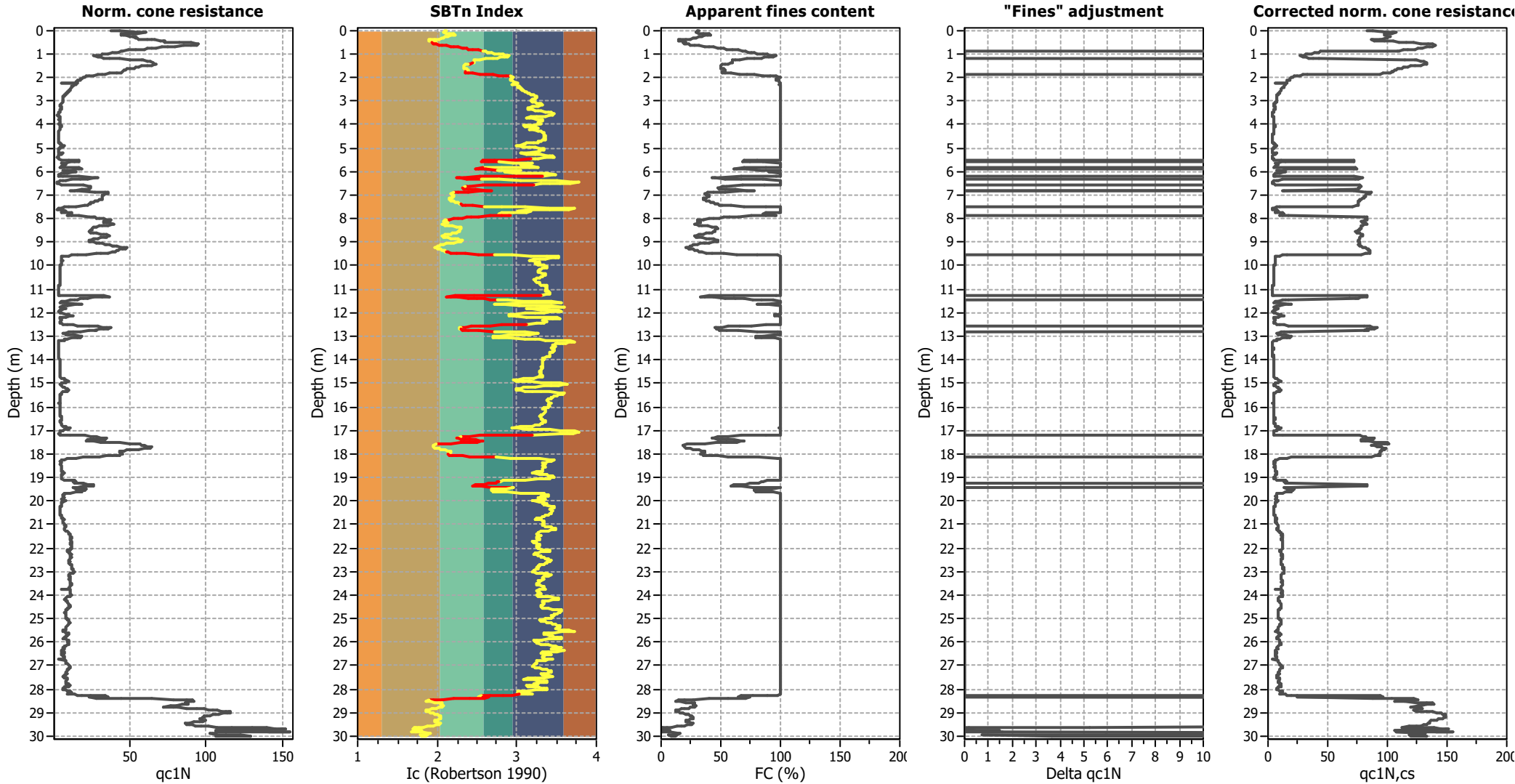
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _s applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

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

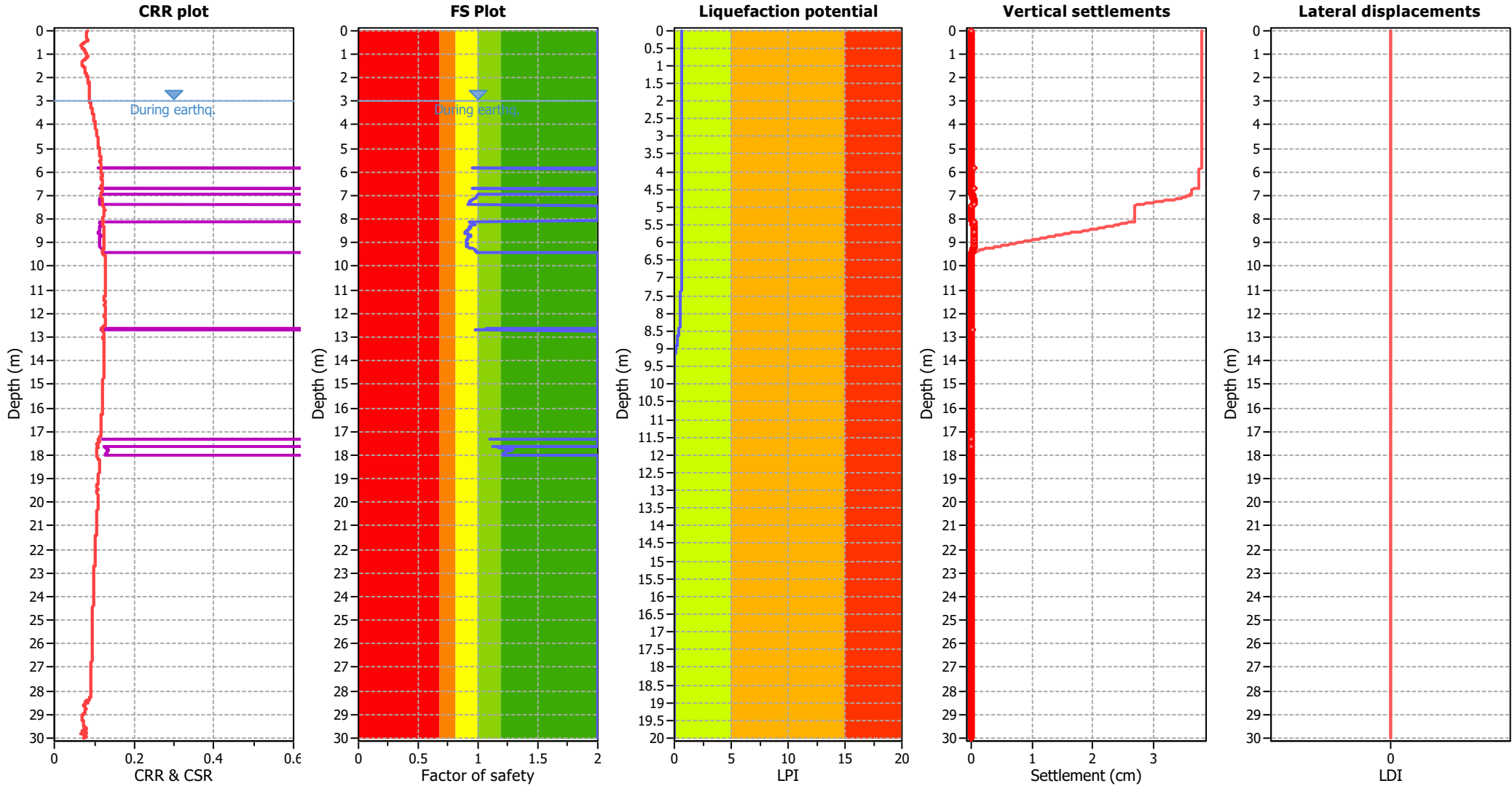
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on I_c value	I_c cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (earthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _s applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

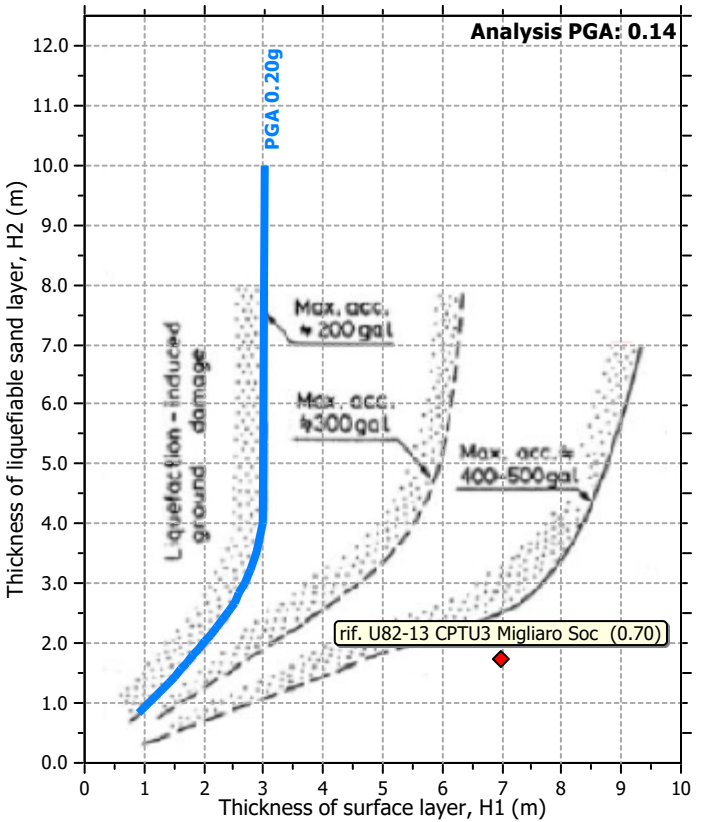
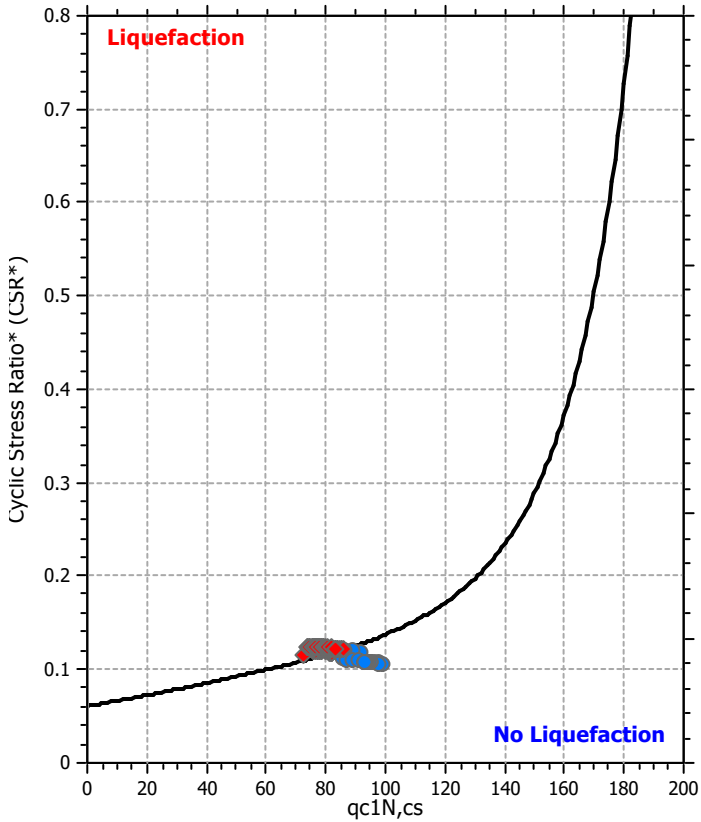
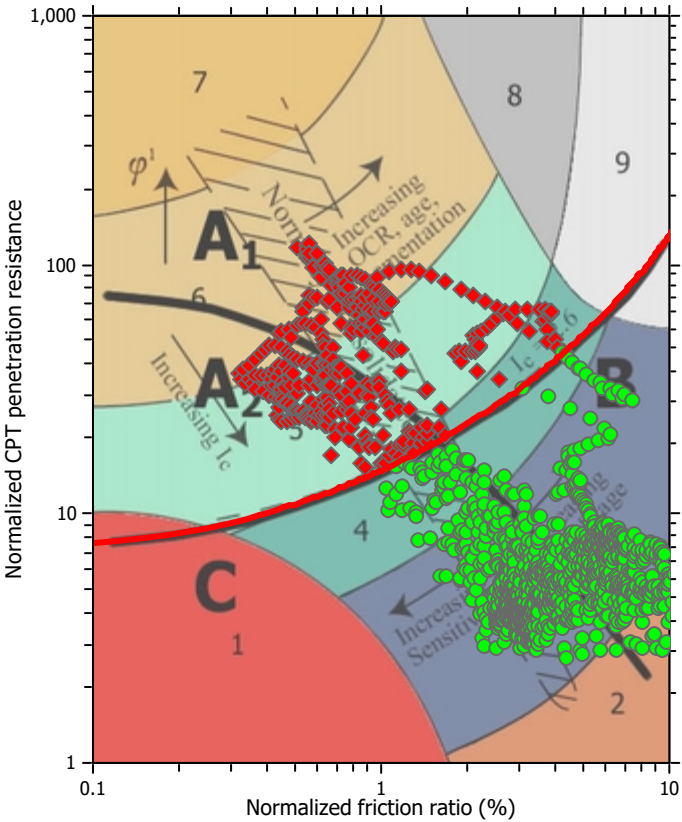
F.S. color scheme

Red	Almost certain it will liquefy
Orange	Very likely to liquefy
Yellow	Liquefaction and no liq. are equally likely
Light green	Unlike to liquefy
Dark green	Almost certain it will not liquefy

LPI color scheme

Red	Very high risk
Orange	High risk
Yellow	Low risk

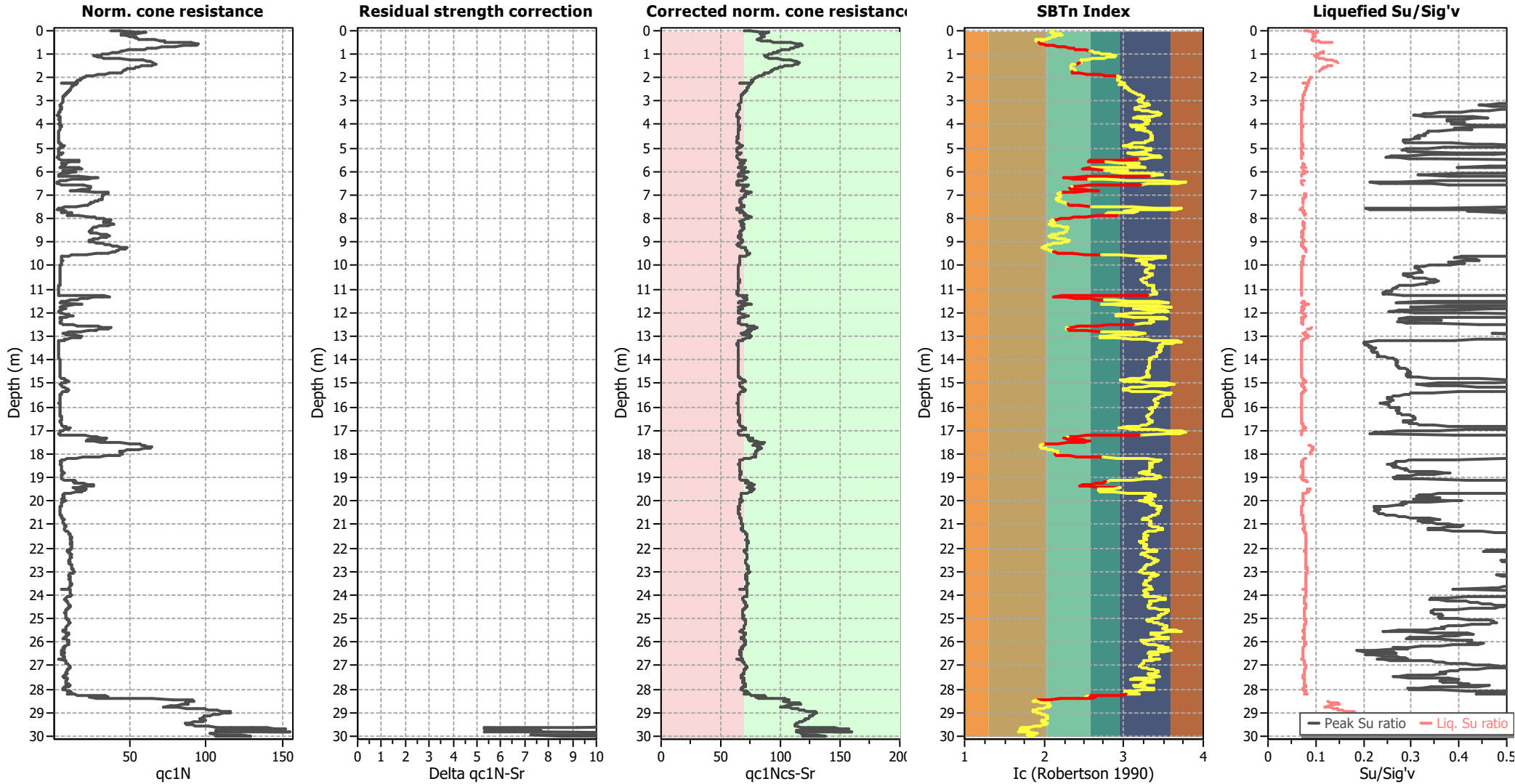
Liquefaction analysis summary plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _s applied:	Yes
Earthquake magnitude M _w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	3.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on I_c value	I_c cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w :	5.50	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	3.00 m	Fill height:	N/A	Limit depth:	20.00 m

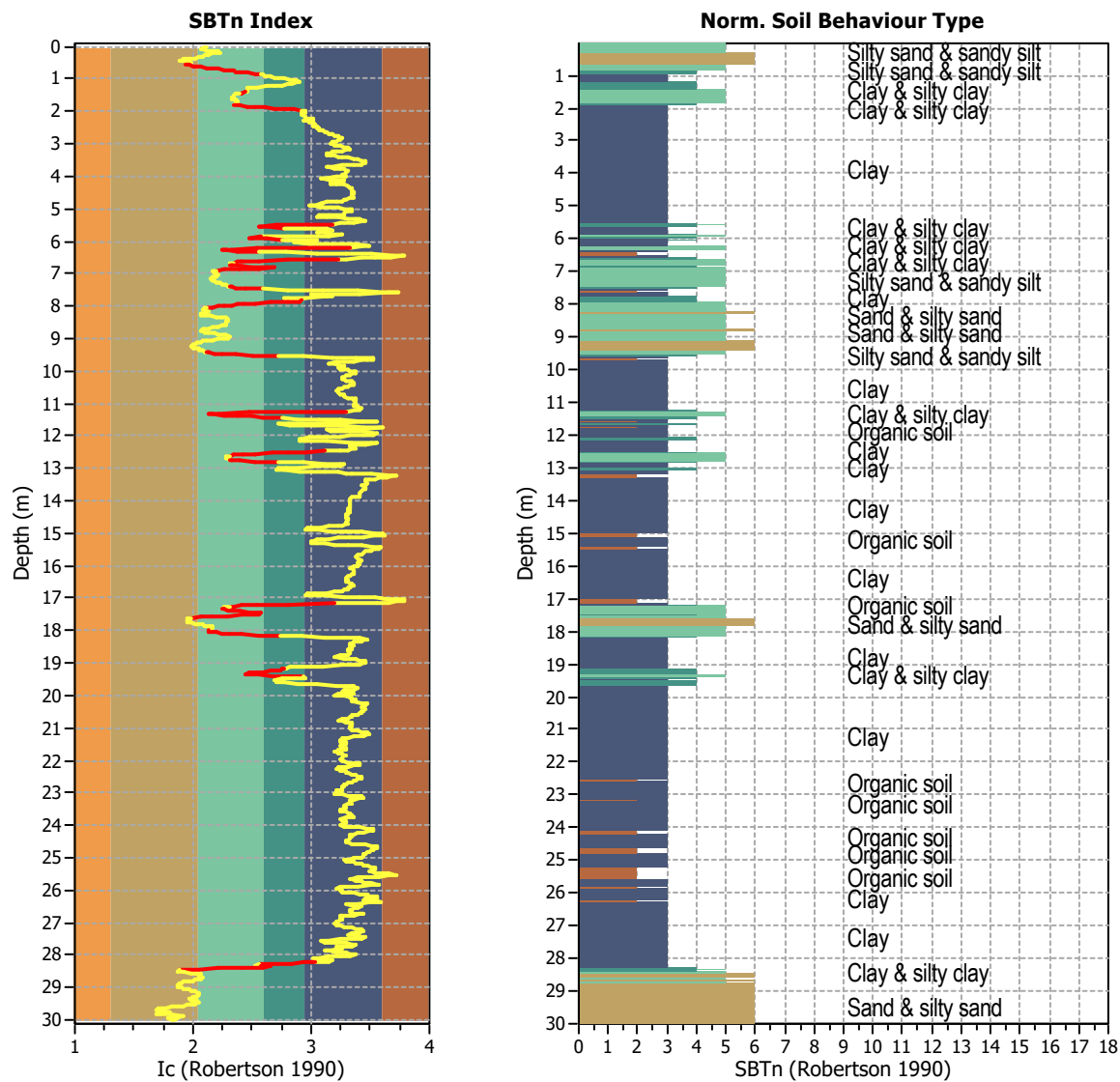
TRANSITION LAYER DETECTION ALGORITHM REPORT

Summary Details & Plots

Short description

The software will delete data when the cone is in transition from either clay to sand or vise-versa. To do this the software requires a range of I_c values over which the transition will be defined (typically somewhere between $1.80 < I_c < 3.0$) and a rate of change of I_c . Transitions typically occur when the rate of change of I_c is fast (i.e. ΔI_c is small).

The SBT_n plot below, displays in red the detected transition layers based on the parameters listed below the graphs.



Transition layer algorithm properties

I_c minimum check value: 1.70
 I_c maximum check value: 3.00
 I_c change ratio value: 0.0100
Minimum number of points in layer: 4

General statistics

Total points in CPT file: 1500
Total points excluded: 179
Exclusion percentage: 11.93%
Number of layers detected: 26

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	2.00	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	2.00	0.00	0.00	0.02	0.00	2.84	2.00	0.00	0.00	0.02	0.00
2.86	2.00	0.00	0.00	0.02	0.00	2.88	2.00	0.00	0.00	0.02	0.00
2.90	2.00	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.02	0.00	3.60	2.00	0.00	0.00	0.02	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.18	2.00	0.00	0.00	0.02	0.00	5.20	2.00	0.00	0.00	0.02	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	0.95	0.00	0.00	0.02	0.01	5.88	2.00	0.00	0.00	0.02	0.00
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00
5.98	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.02	0.00
6.02	2.00	0.00	0.00	0.02	0.00	6.04	2.00	0.00	0.00	0.02	0.00
6.06	2.00	0.00	0.00	0.02	0.00	6.08	2.00	0.00	0.00	0.02	0.00
6.10	2.00	0.00	0.00	0.02	0.00	6.12	2.00	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.70	0.95	0.00	0.00	0.02	0.01	6.72	0.95	0.00	0.00	0.02	0.01
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	1.02	0.00	0.00	0.02	0.00	6.96	1.00	0.00	0.00	0.02	0.00
6.98	0.99	0.00	0.00	0.02	0.00	7.00	0.99	0.00	0.00	0.02	0.00
7.02	0.99	0.00	0.00	0.02	0.00	7.04	0.99	0.00	0.00	0.02	0.00
7.06	0.99	0.00	0.00	0.02	0.00	7.08	0.98	0.00	0.00	0.02	0.00
7.10	0.98	0.00	0.00	0.02	0.00	7.12	0.97	0.00	0.00	0.02	0.00
7.14	0.96	0.00	0.00	0.02	0.01	7.16	0.96	0.00	0.00	0.02	0.01
7.18	0.95	0.00	0.00	0.02	0.01	7.20	0.95	0.00	0.00	0.02	0.01
7.22	0.94	0.00	0.00	0.02	0.01	7.24	0.94	0.00	0.00	0.02	0.01
7.26	0.93	0.00	0.00	0.02	0.01	7.28	0.93	0.00	0.00	0.02	0.01
7.30	0.93	0.00	0.00	0.02	0.01	7.32	0.93	0.00	0.00	0.02	0.01
7.34	0.92	0.00	0.00	0.02	0.01	7.36	0.92	0.00	0.00	0.02	0.01
7.38	0.92	0.00	0.00	0.02	0.01	7.40	0.92	0.00	0.00	0.02	0.01
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	2.00	0.00	0.00	0.02	0.00	7.48	2.00	0.00	0.00	0.02	0.00
7.50	2.00	0.00	0.00	0.02	0.00	7.52	2.00	0.00	0.00	0.02	0.00
7.54	2.00	0.00	0.00	0.02	0.00	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	2.00	0.00	0.00	0.02	0.00	7.64	2.00	0.00	0.00	0.02	0.00
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	0.95	0.00	0.00	0.02	0.01	8.12	0.93	0.00	0.00	0.02	0.01
8.14	0.93	0.00	0.00	0.02	0.01	8.16	0.94	0.00	0.00	0.02	0.01
8.18	0.95	0.00	0.00	0.02	0.01	8.20	0.96	0.00	0.00	0.02	0.00
8.22	0.97	0.00	0.00	0.02	0.00	8.24	0.96	0.00	0.00	0.02	0.00
8.26	0.95	0.00	0.00	0.02	0.01	8.28	0.94	0.00	0.00	0.02	0.01
8.30	0.94	0.00	0.00	0.02	0.01	8.32	0.93	0.00	0.00	0.02	0.01
8.34	0.93	0.00	0.00	0.02	0.01	8.36	0.93	0.00	0.00	0.02	0.01
8.38	0.93	0.00	0.00	0.02	0.01	8.40	0.93	0.00	0.00	0.02	0.01
8.42	0.92	0.00	0.00	0.02	0.01	8.44	0.92	0.00	0.00	0.02	0.01
8.46	0.91	0.00	0.00	0.02	0.01	8.48	0.90	0.00	0.00	0.02	0.01
8.50	0.90	0.00	0.00	0.02	0.01	8.52	0.90	0.00	0.00	0.02	0.01
8.54	0.89	0.00	0.00	0.02	0.01	8.56	0.89	0.00	0.00	0.02	0.01
8.58	0.89	0.00	0.00	0.02	0.01	8.60	0.89	0.00	0.00	0.02	0.01
8.62	0.90	0.00	0.00	0.02	0.01	8.64	0.91	0.00	0.00	0.02	0.01
8.66	0.92	0.00	0.00	0.02	0.01	8.68	0.93	0.00	0.00	0.02	0.01
8.70	0.94	0.00	0.00	0.02	0.01	8.72	0.94	0.00	0.00	0.02	0.01
8.74	0.93	0.00	0.00	0.02	0.01	8.76	0.92	0.00	0.00	0.02	0.01
8.78	0.91	0.00	0.00	0.02	0.01	8.80	0.91	0.00	0.00	0.02	0.01
8.82	0.91	0.00	0.00	0.02	0.01	8.84	0.91	0.00	0.00	0.02	0.01
8.86	0.91	0.00	0.00	0.02	0.01	8.88	0.91	0.00	0.00	0.02	0.01
8.90	0.90	0.00	0.00	0.02	0.01	8.92	0.90	0.00	0.00	0.02	0.01
8.94	0.90	0.00	0.00	0.02	0.01	8.96	0.90	0.00	0.00	0.02	0.01
8.98	0.90	0.00	0.00	0.02	0.01	9.00	0.91	0.00	0.00	0.02	0.01
9.02	0.91	0.00	0.00	0.02	0.01	9.04	0.91	0.00	0.00	0.02	0.01
9.06	0.91	0.00	0.00	0.02	0.01	9.08	0.90	0.00	0.00	0.02	0.01
9.10	0.90	0.00	0.00	0.02	0.01	9.12	0.90	0.00	0.00	0.02	0.01
9.14	0.90	0.00	0.00	0.02	0.01	9.16	0.91	0.00	0.00	0.02	0.01
9.18	0.92	0.00	0.00	0.02	0.01	9.20	0.93	0.00	0.00	0.02	0.01
9.22	0.93	0.00	0.00	0.02	0.01	9.24	0.94	0.00	0.00	0.02	0.01
9.26	0.96	0.00	0.00	0.02	0.00	9.28	0.97	0.00	0.00	0.02	0.00
9.30	0.97	0.00	0.00	0.02	0.00	9.32	0.98	0.00	0.00	0.02	0.00
9.34	0.98	0.00	0.00	0.02	0.00	9.36	0.98	0.00	0.00	0.02	0.00
9.38	0.99	0.00	0.00	0.02	0.00	9.40	0.99	0.00	0.00	0.02	0.00
9.42	1.00	0.00	0.00	0.02	0.00	9.44	2.00	0.00	0.00	0.02	0.00
9.46	2.00	0.00	0.00	0.02	0.00	9.48	2.00	0.00	0.00	0.02	0.00
9.50	2.00	0.00	0.00	0.02	0.00	9.52	2.00	0.00	0.00	0.02	0.00
9.54	2.00	0.00	0.00	0.02	0.00	9.56	2.00	0.00	0.00	0.02	0.00
9.58	2.00	0.00	0.00	0.02	0.00	9.60	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
9.62	2.00	0.00	0.00	0.02	0.00	9.64	2.00	0.00	0.00	0.02	0.00
9.66	2.00	0.00	0.00	0.02	0.00	9.68	2.00	0.00	0.00	0.02	0.00
9.70	2.00	0.00	0.00	0.02	0.00	9.72	2.00	0.00	0.00	0.02	0.00
9.74	2.00	0.00	0.00	0.02	0.00	9.76	2.00	0.00	0.00	0.02	0.00
9.78	2.00	0.00	0.00	0.02	0.00	9.80	2.00	0.00	0.00	0.02	0.00
9.82	2.00	0.00	0.00	0.02	0.00	9.84	2.00	0.00	0.00	0.02	0.00
9.86	2.00	0.00	0.00	0.02	0.00	9.88	2.00	0.00	0.00	0.02	0.00
9.90	2.00	0.00	0.00	0.02	0.00	9.92	2.00	0.00	0.00	0.02	0.00
9.94	2.00	0.00	0.00	0.02	0.00	9.96	2.00	0.00	0.00	0.02	0.00
9.98	2.00	0.00	0.00	0.02	0.00	10.00	2.00	0.00	0.00	0.02	0.00
10.02	2.00	0.00	0.00	0.02	0.00	10.04	2.00	0.00	0.00	0.02	0.00
10.06	2.00	0.00	0.00	0.02	0.00	10.08	2.00	0.00	0.00	0.02	0.00
10.10	2.00	0.00	0.00	0.02	0.00	10.12	2.00	0.00	0.00	0.02	0.00
10.14	2.00	0.00	0.00	0.02	0.00	10.16	2.00	0.00	0.00	0.02	0.00
10.18	2.00	0.00	0.00	0.02	0.00	10.20	2.00	0.00	0.00	0.02	0.00
10.22	2.00	0.00	0.00	0.02	0.00	10.24	2.00	0.00	0.00	0.02	0.00
10.26	2.00	0.00	0.00	0.02	0.00	10.28	2.00	0.00	0.00	0.02	0.00
10.30	2.00	0.00	0.00	0.02	0.00	10.32	2.00	0.00	0.00	0.02	0.00
10.34	2.00	0.00	0.00	0.02	0.00	10.36	2.00	0.00	0.00	0.02	0.00
10.38	2.00	0.00	0.00	0.02	0.00	10.40	2.00	0.00	0.00	0.02	0.00
10.42	2.00	0.00	0.00	0.02	0.00	10.44	2.00	0.00	0.00	0.02	0.00
10.46	2.00	0.00	0.00	0.02	0.00	10.48	2.00	0.00	0.00	0.02	0.00
10.50	2.00	0.00	0.00	0.02	0.00	10.52	2.00	0.00	0.00	0.02	0.00
10.54	2.00	0.00	0.00	0.02	0.00	10.56	2.00	0.00	0.00	0.02	0.00
10.58	2.00	0.00	0.00	0.02	0.00	10.60	2.00	0.00	0.00	0.02	0.00
10.62	2.00	0.00	0.00	0.02	0.00	10.64	2.00	0.00	0.00	0.02	0.00
10.66	2.00	0.00	0.00	0.02	0.00	10.68	2.00	0.00	0.00	0.02	0.00
10.70	2.00	0.00	0.00	0.02	0.00	10.72	2.00	0.00	0.00	0.02	0.00
10.74	2.00	0.00	0.00	0.02	0.00	10.76	2.00	0.00	0.00	0.02	0.00
10.78	2.00	0.00	0.00	0.02	0.00	10.80	2.00	0.00	0.00	0.02	0.00
10.82	2.00	0.00	0.00	0.02	0.00	10.84	2.00	0.00	0.00	0.02	0.00
10.86	2.00	0.00	0.00	0.02	0.00	10.88	2.00	0.00	0.00	0.02	0.00
10.90	2.00	0.00	0.00	0.02	0.00	10.92	2.00	0.00	0.00	0.02	0.00
10.94	2.00	0.00	0.00	0.02	0.00	10.96	2.00	0.00	0.00	0.02	0.00
10.98	2.00	0.00	0.00	0.02	0.00	11.00	2.00	0.00	0.00	0.02	0.00
11.02	2.00	0.00	0.00	0.02	0.00	11.04	2.00	0.00	0.00	0.02	0.00
11.06	2.00	0.00	0.00	0.02	0.00	11.08	2.00	0.00	0.00	0.02	0.00
11.10	2.00	0.00	0.00	0.02	0.00	11.12	2.00	0.00	0.00	0.02	0.00
11.14	2.00	0.00	0.00	0.02	0.00	11.16	2.00	0.00	0.00	0.02	0.00
11.18	2.00	0.00	0.00	0.02	0.00	11.20	2.00	0.00	0.00	0.02	0.00
11.22	2.00	0.00	0.00	0.02	0.00	11.24	2.00	0.00	0.00	0.02	0.00
11.26	2.00	0.00	0.00	0.02	0.00	11.28	2.00	0.00	0.00	0.02	0.00
11.30	2.00	0.00	0.00	0.02	0.00	11.32	2.00	0.00	0.00	0.02	0.00
11.34	2.00	0.00	0.00	0.02	0.00	11.36	2.00	0.00	0.00	0.02	0.00
11.38	2.00	0.00	0.00	0.02	0.00	11.40	2.00	0.00	0.00	0.02	0.00
11.42	2.00	0.00	0.00	0.02	0.00	11.44	2.00	0.00	0.00	0.02	0.00
11.46	2.00	0.00	0.00	0.02	0.00	11.48	2.00	0.00	0.00	0.02	0.00
11.50	2.00	0.00	0.00	0.02	0.00	11.52	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
11.54	2.00	0.00	0.00	0.02	0.00	11.56	2.00	0.00	0.00	0.02	0.00
11.58	2.00	0.00	0.00	0.02	0.00	11.60	2.00	0.00	0.00	0.02	0.00
11.62	2.00	0.00	0.00	0.02	0.00	11.64	2.00	0.00	0.00	0.02	0.00
11.66	2.00	0.00	0.00	0.02	0.00	11.68	2.00	0.00	0.00	0.02	0.00
11.70	2.00	0.00	0.00	0.02	0.00	11.72	2.00	0.00	0.00	0.02	0.00
11.74	2.00	0.00	0.00	0.02	0.00	11.76	2.00	0.00	0.00	0.02	0.00
11.78	2.00	0.00	0.00	0.02	0.00	11.80	2.00	0.00	0.00	0.02	0.00
11.82	2.00	0.00	0.00	0.02	0.00	11.84	2.00	0.00	0.00	0.02	0.00
11.86	2.00	0.00	0.00	0.02	0.00	11.88	2.00	0.00	0.00	0.02	0.00
11.90	2.00	0.00	0.00	0.02	0.00	11.92	2.00	0.00	0.00	0.02	0.00
11.94	2.00	0.00	0.00	0.02	0.00	11.96	2.00	0.00	0.00	0.02	0.00
11.98	2.00	0.00	0.00	0.02	0.00	12.00	2.00	0.00	0.00	0.02	0.00
12.02	2.00	0.00	0.00	0.02	0.00	12.04	2.00	0.00	0.00	0.02	0.00
12.06	2.00	0.00	0.00	0.02	0.00	12.08	2.00	0.00	0.00	0.02	0.00
12.10	2.00	0.00	0.00	0.02	0.00	12.12	2.00	0.00	0.00	0.02	0.00
12.14	2.00	0.00	0.00	0.02	0.00	12.16	2.00	0.00	0.00	0.02	0.00
12.18	2.00	0.00	0.00	0.02	0.00	12.20	2.00	0.00	0.00	0.02	0.00
12.22	2.00	0.00	0.00	0.02	0.00	12.24	2.00	0.00	0.00	0.02	0.00
12.26	2.00	0.00	0.00	0.02	0.00	12.28	2.00	0.00	0.00	0.02	0.00
12.30	2.00	0.00	0.00	0.02	0.00	12.32	2.00	0.00	0.00	0.02	0.00
12.34	2.00	0.00	0.00	0.02	0.00	12.36	2.00	0.00	0.00	0.02	0.00
12.38	2.00	0.00	0.00	0.02	0.00	12.40	2.00	0.00	0.00	0.02	0.00
12.42	2.00	0.00	0.00	0.02	0.00	12.44	2.00	0.00	0.00	0.02	0.00
12.46	2.00	0.00	0.00	0.02	0.00	12.48	2.00	0.00	0.00	0.02	0.00
12.50	2.00	0.00	0.00	0.02	0.00	12.52	2.00	0.00	0.00	0.02	0.00
12.54	2.00	0.00	0.00	0.02	0.00	12.56	2.00	0.00	0.00	0.02	0.00
12.58	2.00	0.00	0.00	0.02	0.00	12.60	2.00	0.00	0.00	0.02	0.00
12.62	2.00	0.00	0.00	0.02	0.00	12.64	2.00	0.00	0.00	0.02	0.00
12.66	1.08	0.00	0.00	0.02	0.00	12.68	1.05	0.00	0.00	0.02	0.00
12.70	1.01	0.00	0.00	0.02	0.00	12.72	0.98	0.00	0.00	0.02	0.00
12.74	2.00	0.00	0.00	0.02	0.00	12.76	2.00	0.00	0.00	0.02	0.00
12.78	2.00	0.00	0.00	0.02	0.00	12.80	2.00	0.00	0.00	0.02	0.00
12.82	2.00	0.00	0.00	0.02	0.00	12.84	2.00	0.00	0.00	0.02	0.00
12.86	2.00	0.00	0.00	0.02	0.00	12.88	2.00	0.00	0.00	0.02	0.00
12.90	2.00	0.00	0.00	0.02	0.00	12.92	2.00	0.00	0.00	0.02	0.00
12.94	2.00	0.00	0.00	0.02	0.00	12.96	2.00	0.00	0.00	0.02	0.00
12.98	2.00	0.00	0.00	0.02	0.00	13.00	2.00	0.00	0.00	0.02	0.00
13.02	2.00	0.00	0.00	0.02	0.00	13.04	2.00	0.00	0.00	0.02	0.00
13.06	2.00	0.00	0.00	0.02	0.00	13.08	2.00	0.00	0.00	0.02	0.00
13.10	2.00	0.00	0.00	0.02	0.00	13.12	2.00	0.00	0.00	0.02	0.00
13.14	2.00	0.00	0.00	0.02	0.00	13.16	2.00	0.00	0.00	0.02	0.00
13.18	2.00	0.00	0.00	0.02	0.00	13.20	2.00	0.00	0.00	0.02	0.00
13.22	2.00	0.00	0.00	0.02	0.00	13.24	2.00	0.00	0.00	0.02	0.00
13.26	2.00	0.00	0.00	0.02	0.00	13.28	2.00	0.00	0.00	0.02	0.00
13.30	2.00	0.00	0.00	0.02	0.00	13.32	2.00	0.00	0.00	0.02	0.00
13.34	2.00	0.00	0.00	0.02	0.00	13.36	2.00	0.00	0.00	0.02	0.00
13.38	2.00	0.00	0.00	0.02	0.00	13.40	2.00	0.00	0.00	0.02	0.00
13.42	2.00	0.00	0.00	0.02	0.00	13.44	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
13.46	2.00	0.00	0.00	0.02	0.00	13.48	2.00	0.00	0.00	0.02	0.00
13.50	2.00	0.00	0.00	0.02	0.00	13.52	2.00	0.00	0.00	0.02	0.00
13.54	2.00	0.00	0.00	0.02	0.00	13.56	2.00	0.00	0.00	0.02	0.00
13.58	2.00	0.00	0.00	0.02	0.00	13.60	2.00	0.00	0.00	0.02	0.00
13.62	2.00	0.00	0.00	0.02	0.00	13.64	2.00	0.00	0.00	0.02	0.00
13.66	2.00	0.00	0.00	0.02	0.00	13.68	2.00	0.00	0.00	0.02	0.00
13.70	2.00	0.00	0.00	0.02	0.00	13.72	2.00	0.00	0.00	0.02	0.00
13.74	2.00	0.00	0.00	0.02	0.00	13.76	2.00	0.00	0.00	0.02	0.00
13.78	2.00	0.00	0.00	0.02	0.00	13.80	2.00	0.00	0.00	0.02	0.00
13.82	2.00	0.00	0.00	0.02	0.00	13.84	2.00	0.00	0.00	0.02	0.00
13.86	2.00	0.00	0.00	0.02	0.00	13.88	2.00	0.00	0.00	0.02	0.00
13.90	2.00	0.00	0.00	0.02	0.00	13.92	2.00	0.00	0.00	0.02	0.00
13.94	2.00	0.00	0.00	0.02	0.00	13.96	2.00	0.00	0.00	0.02	0.00
13.98	2.00	0.00	0.00	0.02	0.00	14.00	2.00	0.00	0.00	0.02	0.00
14.02	2.00	0.00	0.00	0.02	0.00	14.04	2.00	0.00	0.00	0.02	0.00
14.06	2.00	0.00	0.00	0.02	0.00	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	2.00	0.00	0.00	0.02	0.00
14.14	2.00	0.00	0.00	0.02	0.00	14.16	2.00	0.00	0.00	0.02	0.00
14.18	2.00	0.00	0.00	0.02	0.00	14.20	2.00	0.00	0.00	0.02	0.00
14.22	2.00	0.00	0.00	0.02	0.00	14.24	2.00	0.00	0.00	0.02	0.00
14.26	2.00	0.00	0.00	0.02	0.00	14.28	2.00	0.00	0.00	0.02	0.00
14.30	2.00	0.00	0.00	0.02	0.00	14.32	2.00	0.00	0.00	0.02	0.00
14.34	2.00	0.00	0.00	0.02	0.00	14.36	2.00	0.00	0.00	0.02	0.00
14.38	2.00	0.00	0.00	0.02	0.00	14.40	2.00	0.00	0.00	0.02	0.00
14.42	2.00	0.00	0.00	0.02	0.00	14.44	2.00	0.00	0.00	0.02	0.00
14.46	2.00	0.00	0.00	0.02	0.00	14.48	2.00	0.00	0.00	0.02	0.00
14.50	2.00	0.00	0.00	0.02	0.00	14.52	2.00	0.00	0.00	0.02	0.00
14.54	2.00	0.00	0.00	0.02	0.00	14.56	2.00	0.00	0.00	0.02	0.00
14.58	2.00	0.00	0.00	0.02	0.00	14.60	2.00	0.00	0.00	0.02	0.00
14.62	2.00	0.00	0.00	0.02	0.00	14.64	2.00	0.00	0.00	0.02	0.00
14.66	2.00	0.00	0.00	0.02	0.00	14.68	2.00	0.00	0.00	0.02	0.00
14.70	2.00	0.00	0.00	0.02	0.00	14.72	2.00	0.00	0.00	0.02	0.00
14.74	2.00	0.00	0.00	0.02	0.00	14.76	2.00	0.00	0.00	0.02	0.00
14.78	2.00	0.00	0.00	0.02	0.00	14.80	2.00	0.00	0.00	0.02	0.00
14.82	2.00	0.00	0.00	0.02	0.00	14.84	2.00	0.00	0.00	0.02	0.00
14.86	2.00	0.00	0.00	0.02	0.00	14.88	2.00	0.00	0.00	0.02	0.00
14.90	2.00	0.00	0.00	0.02	0.00	14.92	2.00	0.00	0.00	0.02	0.00
14.94	2.00	0.00	0.00	0.02	0.00	14.96	2.00	0.00	0.00	0.02	0.00
14.98	2.00	0.00	0.00	0.02	0.00	15.00	2.00	0.00	0.00	0.02	0.00
15.02	2.00	0.00	0.00	0.02	0.00	15.04	2.00	0.00	0.00	0.02	0.00
15.06	2.00	0.00	0.00	0.02	0.00	15.08	2.00	0.00	0.00	0.02	0.00
15.10	2.00	0.00	0.00	0.02	0.00	15.12	2.00	0.00	0.00	0.02	0.00
15.14	2.00	0.00	0.00	0.02	0.00	15.16	2.00	0.00	0.00	0.02	0.00
15.18	2.00	0.00	0.00	0.02	0.00	15.20	2.00	0.00	0.00	0.02	0.00
15.22	2.00	0.00	0.00	0.02	0.00	15.24	2.00	0.00	0.00	0.02	0.00
15.26	2.00	0.00	0.00	0.02	0.00	15.28	2.00	0.00	0.00	0.02	0.00
15.30	2.00	0.00	0.00	0.02	0.00	15.32	2.00	0.00	0.00	0.02	0.00
15.34	2.00	0.00	0.00	0.02	0.00	15.36	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
15.38	2.00	0.00	0.00	0.02	0.00	15.40	2.00	0.00	0.00	0.02	0.00
15.42	2.00	0.00	0.00	0.02	0.00	15.44	2.00	0.00	0.00	0.02	0.00
15.46	2.00	0.00	0.00	0.02	0.00	15.48	2.00	0.00	0.00	0.02	0.00
15.50	2.00	0.00	0.00	0.02	0.00	15.52	2.00	0.00	0.00	0.02	0.00
15.54	2.00	0.00	0.00	0.02	0.00	15.56	2.00	0.00	0.00	0.02	0.00
15.58	2.00	0.00	0.00	0.02	0.00	15.60	2.00	0.00	0.00	0.02	0.00
15.62	2.00	0.00	0.00	0.02	0.00	15.64	2.00	0.00	0.00	0.02	0.00
15.66	2.00	0.00	0.00	0.02	0.00	15.68	2.00	0.00	0.00	0.02	0.00
15.70	2.00	0.00	0.00	0.02	0.00	15.72	2.00	0.00	0.00	0.02	0.00
15.74	2.00	0.00	0.00	0.02	0.00	15.76	2.00	0.00	0.00	0.02	0.00
15.78	2.00	0.00	0.00	0.02	0.00	15.80	2.00	0.00	0.00	0.02	0.00
15.82	2.00	0.00	0.00	0.02	0.00	15.84	2.00	0.00	0.00	0.02	0.00
15.86	2.00	0.00	0.00	0.02	0.00	15.88	2.00	0.00	0.00	0.02	0.00
15.90	2.00	0.00	0.00	0.02	0.00	15.92	2.00	0.00	0.00	0.02	0.00
15.94	2.00	0.00	0.00	0.02	0.00	15.96	2.00	0.00	0.00	0.02	0.00
15.98	2.00	0.00	0.00	0.02	0.00	16.00	2.00	0.00	0.00	0.02	0.00
16.02	2.00	0.00	0.00	0.02	0.00	16.04	2.00	0.00	0.00	0.02	0.00
16.06	2.00	0.00	0.00	0.02	0.00	16.08	2.00	0.00	0.00	0.02	0.00
16.10	2.00	0.00	0.00	0.02	0.00	16.12	2.00	0.00	0.00	0.02	0.00
16.14	2.00	0.00	0.00	0.02	0.00	16.16	2.00	0.00	0.00	0.02	0.00
16.18	2.00	0.00	0.00	0.02	0.00	16.20	2.00	0.00	0.00	0.02	0.00
16.22	2.00	0.00	0.00	0.02	0.00	16.24	2.00	0.00	0.00	0.02	0.00
16.26	2.00	0.00	0.00	0.02	0.00	16.28	2.00	0.00	0.00	0.02	0.00
16.30	2.00	0.00	0.00	0.02	0.00	16.32	2.00	0.00	0.00	0.02	0.00
16.34	2.00	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.42	2.00	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	2.00	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.56	2.00	0.00	0.00	0.02	0.00
16.58	2.00	0.00	0.00	0.02	0.00	16.60	2.00	0.00	0.00	0.02	0.00
16.62	2.00	0.00	0.00	0.02	0.00	16.64	2.00	0.00	0.00	0.02	0.00
16.66	2.00	0.00	0.00	0.02	0.00	16.68	2.00	0.00	0.00	0.02	0.00
16.70	2.00	0.00	0.00	0.02	0.00	16.72	2.00	0.00	0.00	0.02	0.00
16.74	2.00	0.00	0.00	0.02	0.00	16.76	2.00	0.00	0.00	0.02	0.00
16.78	2.00	0.00	0.00	0.02	0.00	16.80	2.00	0.00	0.00	0.02	0.00
16.82	2.00	0.00	0.00	0.02	0.00	16.84	2.00	0.00	0.00	0.02	0.00
16.86	2.00	0.00	0.00	0.02	0.00	16.88	2.00	0.00	0.00	0.02	0.00
16.90	2.00	0.00	0.00	0.02	0.00	16.92	2.00	0.00	0.00	0.02	0.00
16.94	2.00	0.00	0.00	0.02	0.00	16.96	2.00	0.00	0.00	0.02	0.00
16.98	2.00	0.00	0.00	0.02	0.00	17.00	2.00	0.00	0.00	0.02	0.00
17.02	2.00	0.00	0.00	0.02	0.00	17.04	2.00	0.00	0.00	0.02	0.00
17.06	2.00	0.00	0.00	0.02	0.00	17.08	2.00	0.00	0.00	0.02	0.00
17.10	2.00	0.00	0.00	0.02	0.00	17.12	2.00	0.00	0.00	0.02	0.00
17.14	2.00	0.00	0.00	0.02	0.00	17.16	2.00	0.00	0.00	0.02	0.00
17.18	2.00	0.00	0.00	0.02	0.00	17.20	2.00	0.00	0.00	0.02	0.00
17.22	2.00	0.00	0.00	0.02	0.00	17.24	2.00	0.00	0.00	0.02	0.00
17.26	2.00	0.00	0.00	0.02	0.00	17.28	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
17.30	2.00	0.00	0.00	0.02	0.00	17.32	1.10	0.00	0.00	0.02	0.00
17.34	2.00	0.00	0.00	0.02	0.00	17.36	2.00	0.00	0.00	0.02	0.00
17.38	2.00	0.00	0.00	0.02	0.00	17.40	2.00	0.00	0.00	0.02	0.00
17.42	2.00	0.00	0.00	0.02	0.00	17.44	2.00	0.00	0.00	0.02	0.00
17.46	2.00	0.00	0.00	0.02	0.00	17.48	2.00	0.00	0.00	0.02	0.00
17.50	2.00	0.00	0.00	0.02	0.00	17.52	2.00	0.00	0.00	0.02	0.00
17.54	2.00	0.00	0.00	0.02	0.00	17.56	2.00	0.00	0.00	0.02	0.00
17.58	2.00	0.00	0.00	0.02	0.00	17.60	2.00	0.00	0.00	0.02	0.00
17.62	2.00	0.00	0.00	0.02	0.00	17.64	1.12	0.00	0.00	0.02	0.00
17.66	1.15	0.00	0.00	0.02	0.00	17.68	1.18	0.00	0.00	0.02	0.00
17.70	1.20	0.00	0.00	0.02	0.00	17.72	1.23	0.00	0.00	0.02	0.00
17.74	1.25	0.00	0.00	0.02	0.00	17.76	1.27	0.00	0.00	0.02	0.00
17.78	1.29	0.00	0.00	0.02	0.00	17.80	1.27	0.00	0.00	0.02	0.00
17.82	1.24	0.00	0.00	0.02	0.00	17.84	1.24	0.00	0.00	0.02	0.00
17.86	1.23	0.00	0.00	0.02	0.00	17.88	1.23	0.00	0.00	0.02	0.00
17.90	1.22	0.00	0.00	0.02	0.00	17.92	1.22	0.00	0.00	0.02	0.00
17.94	1.21	0.00	0.00	0.02	0.00	17.96	1.21	0.00	0.00	0.02	0.00
17.98	1.21	0.00	0.00	0.02	0.00	18.00	1.21	0.00	0.00	0.02	0.00
18.02	2.00	0.00	0.00	0.02	0.00	18.04	2.00	0.00	0.00	0.02	0.00
18.06	2.00	0.00	0.00	0.02	0.00	18.08	2.00	0.00	0.00	0.02	0.00
18.10	2.00	0.00	0.00	0.02	0.00	18.12	2.00	0.00	0.00	0.02	0.00
18.14	2.00	0.00	0.00	0.02	0.00	18.16	2.00	0.00	0.00	0.02	0.00
18.18	2.00	0.00	0.00	0.02	0.00	18.20	2.00	0.00	0.00	0.02	0.00
18.22	2.00	0.00	0.00	0.02	0.00	18.24	2.00	0.00	0.00	0.02	0.00
18.26	2.00	0.00	0.00	0.02	0.00	18.28	2.00	0.00	0.00	0.02	0.00
18.30	2.00	0.00	0.00	0.02	0.00	18.32	2.00	0.00	0.00	0.02	0.00
18.34	2.00	0.00	0.00	0.02	0.00	18.36	2.00	0.00	0.00	0.02	0.00
18.38	2.00	0.00	0.00	0.02	0.00	18.40	2.00	0.00	0.00	0.02	0.00
18.42	2.00	0.00	0.00	0.02	0.00	18.44	2.00	0.00	0.00	0.02	0.00
18.46	2.00	0.00	0.00	0.02	0.00	18.48	2.00	0.00	0.00	0.02	0.00
18.50	2.00	0.00	0.00	0.02	0.00	18.52	2.00	0.00	0.00	0.02	0.00
18.54	2.00	0.00	0.00	0.02	0.00	18.56	2.00	0.00	0.00	0.02	0.00
18.58	2.00	0.00	0.00	0.02	0.00	18.60	2.00	0.00	0.00	0.02	0.00
18.62	2.00	0.00	0.00	0.02	0.00	18.64	2.00	0.00	0.00	0.02	0.00
18.66	2.00	0.00	0.00	0.02	0.00	18.68	2.00	0.00	0.00	0.02	0.00
18.70	2.00	0.00	0.00	0.02	0.00	18.72	2.00	0.00	0.00	0.02	0.00
18.74	2.00	0.00	0.00	0.02	0.00	18.76	2.00	0.00	0.00	0.02	0.00
18.78	2.00	0.00	0.00	0.02	0.00	18.80	2.00	0.00	0.00	0.02	0.00
18.82	2.00	0.00	0.00	0.02	0.00	18.84	2.00	0.00	0.00	0.02	0.00
18.86	2.00	0.00	0.00	0.02	0.00	18.88	2.00	0.00	0.00	0.02	0.00
18.90	2.00	0.00	0.00	0.02	0.00	18.92	2.00	0.00	0.00	0.02	0.00
18.94	2.00	0.00	0.00	0.02	0.00	18.96	2.00	0.00	0.00	0.02	0.00
18.98	2.00	0.00	0.00	0.02	0.00	19.00	2.00	0.00	0.00	0.02	0.00
19.02	2.00	0.00	0.00	0.02	0.00	19.04	2.00	0.00	0.00	0.02	0.00
19.06	2.00	0.00	0.00	0.02	0.00	19.08	2.00	0.00	0.00	0.02	0.00
19.10	2.00	0.00	0.00	0.02	0.00	19.12	2.00	0.00	0.00	0.02	0.00
19.14	2.00	0.00	0.00	0.02	0.00	19.16	2.00	0.00	0.00	0.02	0.00
19.18	2.00	0.00	0.00	0.02	0.00	19.20	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
19.22	2.00	0.00	0.00	0.02	0.00	19.24	2.00	0.00	0.00	0.02	0.00
19.26	2.00	0.00	0.00	0.02	0.00	19.28	2.00	0.00	0.00	0.02	0.00
19.30	2.00	0.00	0.00	0.02	0.00	19.32	2.00	0.00	0.00	0.02	0.00
19.34	2.00	0.00	0.00	0.02	0.00	19.36	2.00	0.00	0.00	0.02	0.00
19.38	2.00	0.00	0.00	0.02	0.00	19.40	2.00	0.00	0.00	0.02	0.00
19.42	2.00	0.00	0.00	0.02	0.00	19.44	2.00	0.00	0.00	0.02	0.00
19.46	2.00	0.00	0.00	0.02	0.00	19.48	2.00	0.00	0.00	0.02	0.00
19.50	2.00	0.00	0.00	0.02	0.00	19.52	2.00	0.00	0.00	0.02	0.00
19.54	2.00	0.00	0.00	0.02	0.00	19.56	2.00	0.00	0.00	0.02	0.00
19.58	2.00	0.00	0.00	0.02	0.00	19.60	2.00	0.00	0.00	0.02	0.00
19.62	2.00	0.00	0.00	0.02	0.00	19.64	2.00	0.00	0.00	0.02	0.00
19.66	2.00	0.00	0.00	0.02	0.00	19.68	2.00	0.00	0.00	0.02	0.00
19.70	2.00	0.00	0.00	0.02	0.00	19.72	2.00	0.00	0.00	0.02	0.00
19.74	2.00	0.00	0.00	0.02	0.00	19.76	2.00	0.00	0.00	0.02	0.00
19.78	2.00	0.00	0.00	0.02	0.00	19.80	2.00	0.00	0.00	0.02	0.00
19.82	2.00	0.00	0.00	0.02	0.00	19.84	2.00	0.00	0.00	0.02	0.00
19.86	2.00	0.00	0.00	0.02	0.00	19.88	2.00	0.00	0.00	0.02	0.00
19.90	2.00	0.00	0.00	0.02	0.00	19.92	2.00	0.00	0.00	0.02	0.00
19.94	2.00	0.00	0.00	0.02	0.00	19.96	2.00	0.00	0.00	0.02	0.00
19.98	2.00	0.00	0.00	0.02	0.00	20.00	2.00	0.00	0.00	0.02	0.00
20.02	2.00	0.00	0.00	0.02	0.00	20.04	2.00	0.00	0.00	0.02	0.00
20.06	2.00	0.00	0.00	0.02	0.00	20.08	2.00	0.00	0.00	0.02	0.00
20.10	2.00	0.00	0.00	0.02	0.00	20.12	2.00	0.00	0.00	0.02	0.00
20.14	2.00	0.00	0.00	0.02	0.00	20.16	2.00	0.00	0.00	0.02	0.00
20.18	2.00	0.00	0.00	0.02	0.00	20.20	2.00	0.00	0.00	0.02	0.00
20.22	2.00	0.00	0.00	0.02	0.00	20.24	2.00	0.00	0.00	0.02	0.00
20.26	2.00	0.00	0.00	0.02	0.00	20.28	2.00	0.00	0.00	0.02	0.00
20.30	2.00	0.00	0.00	0.02	0.00	20.32	2.00	0.00	0.00	0.02	0.00
20.34	2.00	0.00	0.00	0.02	0.00	20.36	2.00	0.00	0.00	0.02	0.00
20.38	2.00	0.00	0.00	0.02	0.00	20.40	2.00	0.00	0.00	0.02	0.00
20.42	2.00	0.00	0.00	0.02	0.00	20.44	2.00	0.00	0.00	0.02	0.00
20.46	2.00	0.00	0.00	0.02	0.00	20.48	2.00	0.00	0.00	0.02	0.00
20.50	2.00	0.00	0.00	0.02	0.00	20.52	2.00	0.00	0.00	0.02	0.00
20.54	2.00	0.00	0.00	0.02	0.00	20.56	2.00	0.00	0.00	0.02	0.00
20.58	2.00	0.00	0.00	0.02	0.00	20.60	2.00	0.00	0.00	0.02	0.00
20.62	2.00	0.00	0.00	0.02	0.00	20.64	2.00	0.00	0.00	0.02	0.00
20.66	2.00	0.00	0.00	0.02	0.00	20.68	2.00	0.00	0.00	0.02	0.00
20.70	2.00	0.00	0.00	0.02	0.00	20.72	2.00	0.00	0.00	0.02	0.00
20.74	2.00	0.00	0.00	0.02	0.00	20.76	2.00	0.00	0.00	0.02	0.00
20.78	2.00	0.00	0.00	0.02	0.00	20.80	2.00	0.00	0.00	0.02	0.00
20.82	2.00	0.00	0.00	0.02	0.00	20.84	2.00	0.00	0.00	0.02	0.00
20.86	2.00	0.00	0.00	0.02	0.00	20.88	2.00	0.00	0.00	0.02	0.00
20.90	2.00	0.00	0.00	0.02	0.00	20.92	2.00	0.00	0.00	0.02	0.00
20.94	2.00	0.00	0.00	0.02	0.00	20.96	2.00	0.00	0.00	0.02	0.00
20.98	2.00	0.00	0.00	0.02	0.00	21.00	2.00	0.00	0.00	0.02	0.00
21.02	2.00	0.00	0.00	0.02	0.00	21.04	2.00	0.00	0.00	0.02	0.00
21.06	2.00	0.00	0.00	0.02	0.00	21.08	2.00	0.00	0.00	0.02	0.00
21.10	2.00	0.00	0.00	0.02	0.00	21.12	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
21.14	2.00	0.00	0.00	0.02	0.00	21.16	2.00	0.00	0.00	0.02	0.00
21.18	2.00	0.00	0.00	0.02	0.00	21.20	2.00	0.00	0.00	0.02	0.00
21.22	2.00	0.00	0.00	0.02	0.00	21.24	2.00	0.00	0.00	0.02	0.00
21.26	2.00	0.00	0.00	0.02	0.00	21.28	2.00	0.00	0.00	0.02	0.00
21.30	2.00	0.00	0.00	0.02	0.00	21.32	2.00	0.00	0.00	0.02	0.00
21.34	2.00	0.00	0.00	0.02	0.00	21.36	2.00	0.00	0.00	0.02	0.00
21.38	2.00	0.00	0.00	0.02	0.00	21.40	2.00	0.00	0.00	0.02	0.00
21.42	2.00	0.00	0.00	0.02	0.00	21.44	2.00	0.00	0.00	0.02	0.00
21.46	2.00	0.00	0.00	0.02	0.00	21.48	2.00	0.00	0.00	0.02	0.00
21.50	2.00	0.00	0.00	0.02	0.00	21.52	2.00	0.00	0.00	0.02	0.00
21.54	2.00	0.00	0.00	0.02	0.00	21.56	2.00	0.00	0.00	0.02	0.00
21.58	2.00	0.00	0.00	0.02	0.00	21.60	2.00	0.00	0.00	0.02	0.00
21.62	2.00	0.00	0.00	0.02	0.00	21.64	2.00	0.00	0.00	0.02	0.00
21.66	2.00	0.00	0.00	0.02	0.00	21.68	2.00	0.00	0.00	0.02	0.00
21.70	2.00	0.00	0.00	0.02	0.00	21.72	2.00	0.00	0.00	0.02	0.00
21.74	2.00	0.00	0.00	0.02	0.00	21.76	2.00	0.00	0.00	0.02	0.00
21.78	2.00	0.00	0.00	0.02	0.00	21.80	2.00	0.00	0.00	0.02	0.00
21.82	2.00	0.00	0.00	0.02	0.00	21.84	2.00	0.00	0.00	0.02	0.00
21.86	2.00	0.00	0.00	0.02	0.00	21.88	2.00	0.00	0.00	0.02	0.00
21.90	2.00	0.00	0.00	0.02	0.00	21.92	2.00	0.00	0.00	0.02	0.00
21.94	2.00	0.00	0.00	0.02	0.00	21.96	2.00	0.00	0.00	0.02	0.00
21.98	2.00	0.00	0.00	0.02	0.00	22.00	2.00	0.00	0.00	0.02	0.00
22.02	2.00	0.00	0.00	0.02	0.00	22.04	2.00	0.00	0.00	0.02	0.00
22.06	2.00	0.00	0.00	0.02	0.00	22.08	2.00	0.00	0.00	0.02	0.00
22.10	2.00	0.00	0.00	0.02	0.00	22.12	2.00	0.00	0.00	0.02	0.00
22.14	2.00	0.00	0.00	0.02	0.00	22.16	2.00	0.00	0.00	0.02	0.00
22.18	2.00	0.00	0.00	0.02	0.00	22.20	2.00	0.00	0.00	0.02	0.00
22.22	2.00	0.00	0.00	0.02	0.00	22.24	2.00	0.00	0.00	0.02	0.00
22.26	2.00	0.00	0.00	0.02	0.00	22.28	2.00	0.00	0.00	0.02	0.00
22.30	2.00	0.00	0.00	0.02	0.00	22.32	2.00	0.00	0.00	0.02	0.00
22.34	2.00	0.00	0.00	0.02	0.00	22.36	2.00	0.00	0.00	0.02	0.00
22.38	2.00	0.00	0.00	0.02	0.00	22.40	2.00	0.00	0.00	0.02	0.00
22.42	2.00	0.00	0.00	0.02	0.00	22.44	2.00	0.00	0.00	0.02	0.00
22.46	2.00	0.00	0.00	0.02	0.00	22.48	2.00	0.00	0.00	0.02	0.00
22.50	2.00	0.00	0.00	0.02	0.00	22.52	2.00	0.00	0.00	0.02	0.00
22.54	2.00	0.00	0.00	0.02	0.00	22.56	2.00	0.00	0.00	0.02	0.00
22.58	2.00	0.00	0.00	0.02	0.00	22.60	2.00	0.00	0.00	0.02	0.00
22.62	2.00	0.00	0.00	0.02	0.00	22.64	2.00	0.00	0.00	0.02	0.00
22.66	2.00	0.00	0.00	0.02	0.00	22.68	2.00	0.00	0.00	0.02	0.00
22.70	2.00	0.00	0.00	0.02	0.00	22.72	2.00	0.00	0.00	0.02	0.00
22.74	2.00	0.00	0.00	0.02	0.00	22.76	2.00	0.00	0.00	0.02	0.00
22.78	2.00	0.00	0.00	0.02	0.00	22.80	2.00	0.00	0.00	0.02	0.00
22.82	2.00	0.00	0.00	0.02	0.00	22.84	2.00	0.00	0.00	0.02	0.00
22.86	2.00	0.00	0.00	0.02	0.00	22.88	2.00	0.00	0.00	0.02	0.00
22.90	2.00	0.00	0.00	0.02	0.00	22.92	2.00	0.00	0.00	0.02	0.00
22.94	2.00	0.00	0.00	0.02	0.00	22.96	2.00	0.00	0.00	0.02	0.00
22.98	2.00	0.00	0.00	0.02	0.00	23.00	2.00	0.00	0.00	0.02	0.00
23.02	2.00	0.00	0.00	0.02	0.00	23.04	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
23.06	2.00	0.00	0.00	0.02	0.00	23.08	2.00	0.00	0.00	0.02	0.00
23.10	2.00	0.00	0.00	0.02	0.00	23.12	2.00	0.00	0.00	0.02	0.00
23.14	2.00	0.00	0.00	0.02	0.00	23.16	2.00	0.00	0.00	0.02	0.00
23.18	2.00	0.00	0.00	0.02	0.00	23.20	2.00	0.00	0.00	0.02	0.00
23.22	2.00	0.00	0.00	0.02	0.00	23.24	2.00	0.00	0.00	0.02	0.00
23.26	2.00	0.00	0.00	0.02	0.00	23.28	2.00	0.00	0.00	0.02	0.00
23.30	2.00	0.00	0.00	0.02	0.00	23.32	2.00	0.00	0.00	0.02	0.00
23.34	2.00	0.00	0.00	0.02	0.00	23.36	2.00	0.00	0.00	0.02	0.00
23.38	2.00	0.00	0.00	0.02	0.00	23.40	2.00	0.00	0.00	0.02	0.00
23.42	2.00	0.00	0.00	0.02	0.00	23.44	2.00	0.00	0.00	0.02	0.00
23.46	2.00	0.00	0.00	0.02	0.00	23.48	2.00	0.00	0.00	0.02	0.00
23.50	2.00	0.00	0.00	0.02	0.00	23.52	2.00	0.00	0.00	0.02	0.00
23.54	2.00	0.00	0.00	0.02	0.00	23.56	2.00	0.00	0.00	0.02	0.00
23.58	2.00	0.00	0.00	0.02	0.00	23.60	2.00	0.00	0.00	0.02	0.00
23.62	2.00	0.00	0.00	0.02	0.00	23.64	2.00	0.00	0.00	0.02	0.00
23.66	2.00	0.00	0.00	0.02	0.00	23.68	2.00	0.00	0.00	0.02	0.00
23.70	2.00	0.00	0.00	0.02	0.00	23.72	2.00	0.00	0.00	0.02	0.00
23.74	2.00	0.00	0.00	0.02	0.00	23.76	2.00	0.00	0.00	0.02	0.00
23.78	2.00	0.00	0.00	0.02	0.00	23.80	2.00	0.00	0.00	0.02	0.00
23.82	2.00	0.00	0.00	0.02	0.00	23.84	2.00	0.00	0.00	0.02	0.00
23.86	2.00	0.00	0.00	0.02	0.00	23.88	2.00	0.00	0.00	0.02	0.00
23.90	2.00	0.00	0.00	0.02	0.00	23.92	2.00	0.00	0.00	0.02	0.00
23.94	2.00	0.00	0.00	0.02	0.00	23.96	2.00	0.00	0.00	0.02	0.00
23.98	2.00	0.00	0.00	0.02	0.00	24.00	2.00	0.00	0.00	0.02	0.00
24.02	2.00	0.00	0.00	0.02	0.00	24.04	2.00	0.00	0.00	0.02	0.00
24.06	2.00	0.00	0.00	0.02	0.00	24.08	2.00	0.00	0.00	0.02	0.00
24.10	2.00	0.00	0.00	0.02	0.00	24.12	2.00	0.00	0.00	0.02	0.00
24.14	2.00	0.00	0.00	0.02	0.00	24.16	2.00	0.00	0.00	0.02	0.00
24.18	2.00	0.00	0.00	0.02	0.00	24.20	2.00	0.00	0.00	0.02	0.00
24.22	2.00	0.00	0.00	0.02	0.00	24.24	2.00	0.00	0.00	0.02	0.00
24.26	2.00	0.00	0.00	0.02	0.00	24.28	2.00	0.00	0.00	0.02	0.00
24.30	2.00	0.00	0.00	0.02	0.00	24.32	2.00	0.00	0.00	0.02	0.00
24.34	2.00	0.00	0.00	0.02	0.00	24.36	2.00	0.00	0.00	0.02	0.00
24.38	2.00	0.00	0.00	0.02	0.00	24.40	2.00	0.00	0.00	0.02	0.00
24.42	2.00	0.00	0.00	0.02	0.00	24.44	2.00	0.00	0.00	0.02	0.00
24.46	2.00	0.00	0.00	0.02	0.00	24.48	2.00	0.00	0.00	0.02	0.00
24.50	2.00	0.00	0.00	0.02	0.00	24.52	2.00	0.00	0.00	0.02	0.00
24.54	2.00	0.00	0.00	0.02	0.00	24.56	2.00	0.00	0.00	0.02	0.00
24.58	2.00	0.00	0.00	0.02	0.00	24.60	2.00	0.00	0.00	0.02	0.00
24.62	2.00	0.00	0.00	0.02	0.00	24.64	2.00	0.00	0.00	0.02	0.00
24.66	2.00	0.00	0.00	0.02	0.00	24.68	2.00	0.00	0.00	0.02	0.00
24.70	2.00	0.00	0.00	0.02	0.00	24.72	2.00	0.00	0.00	0.02	0.00
24.74	2.00	0.00	0.00	0.02	0.00	24.76	2.00	0.00	0.00	0.02	0.00
24.78	2.00	0.00	0.00	0.02	0.00	24.80	2.00	0.00	0.00	0.02	0.00
24.82	2.00	0.00	0.00	0.02	0.00	24.84	2.00	0.00	0.00	0.02	0.00
24.86	2.00	0.00	0.00	0.02	0.00	24.88	2.00	0.00	0.00	0.02	0.00
24.90	2.00	0.00	0.00	0.02	0.00	24.92	2.00	0.00	0.00	0.02	0.00
24.94	2.00	0.00	0.00	0.02	0.00	24.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
24.98	2.00	0.00	0.00	0.02	0.00	25.00	2.00	0.00	0.00	0.02	0.00
25.02	2.00	0.00	0.00	0.02	0.00	25.04	2.00	0.00	0.00	0.02	0.00
25.06	2.00	0.00	0.00	0.02	0.00	25.08	2.00	0.00	0.00	0.02	0.00
25.10	2.00	0.00	0.00	0.02	0.00	25.12	2.00	0.00	0.00	0.02	0.00
25.14	2.00	0.00	0.00	0.02	0.00	25.16	2.00	0.00	0.00	0.02	0.00
25.18	2.00	0.00	0.00	0.02	0.00	25.20	2.00	0.00	0.00	0.02	0.00
25.22	2.00	0.00	0.00	0.02	0.00	25.24	2.00	0.00	0.00	0.02	0.00
25.26	2.00	0.00	0.00	0.02	0.00	25.28	2.00	0.00	0.00	0.02	0.00
25.30	2.00	0.00	0.00	0.02	0.00	25.32	2.00	0.00	0.00	0.02	0.00
25.34	2.00	0.00	0.00	0.02	0.00	25.36	2.00	0.00	0.00	0.02	0.00
25.38	2.00	0.00	0.00	0.02	0.00	25.40	2.00	0.00	0.00	0.02	0.00
25.42	2.00	0.00	0.00	0.02	0.00	25.44	2.00	0.00	0.00	0.02	0.00
25.46	2.00	0.00	0.00	0.02	0.00	25.48	2.00	0.00	0.00	0.02	0.00
25.50	2.00	0.00	0.00	0.02	0.00	25.52	2.00	0.00	0.00	0.02	0.00
25.54	2.00	0.00	0.00	0.02	0.00	25.56	2.00	0.00	0.00	0.02	0.00
25.58	2.00	0.00	0.00	0.02	0.00	25.60	2.00	0.00	0.00	0.02	0.00
25.62	2.00	0.00	0.00	0.02	0.00	25.64	2.00	0.00	0.00	0.02	0.00
25.66	2.00	0.00	0.00	0.02	0.00	25.68	2.00	0.00	0.00	0.02	0.00
25.70	2.00	0.00	0.00	0.02	0.00	25.72	2.00	0.00	0.00	0.02	0.00
25.74	2.00	0.00	0.00	0.02	0.00	25.76	2.00	0.00	0.00	0.02	0.00
25.78	2.00	0.00	0.00	0.02	0.00	25.80	2.00	0.00	0.00	0.02	0.00
25.82	2.00	0.00	0.00	0.02	0.00	25.84	2.00	0.00	0.00	0.02	0.00
25.86	2.00	0.00	0.00	0.02	0.00	25.88	2.00	0.00	0.00	0.02	0.00
25.90	2.00	0.00	0.00	0.02	0.00	25.92	2.00	0.00	0.00	0.02	0.00
25.94	2.00	0.00	0.00	0.02	0.00	25.96	2.00	0.00	0.00	0.02	0.00
25.98	2.00	0.00	0.00	0.02	0.00	26.00	2.00	0.00	0.00	0.02	0.00
26.02	2.00	0.00	0.00	0.02	0.00	26.04	2.00	0.00	0.00	0.02	0.00
26.06	2.00	0.00	0.00	0.02	0.00	26.08	2.00	0.00	0.00	0.02	0.00
26.10	2.00	0.00	0.00	0.02	0.00	26.12	2.00	0.00	0.00	0.02	0.00
26.14	2.00	0.00	0.00	0.02	0.00	26.16	2.00	0.00	0.00	0.02	0.00
26.18	2.00	0.00	0.00	0.02	0.00	26.20	2.00	0.00	0.00	0.02	0.00
26.22	2.00	0.00	0.00	0.02	0.00	26.24	2.00	0.00	0.00	0.02	0.00
26.26	2.00	0.00	0.00	0.02	0.00	26.28	2.00	0.00	0.00	0.02	0.00
26.30	2.00	0.00	0.00	0.02	0.00	26.32	2.00	0.00	0.00	0.02	0.00
26.34	2.00	0.00	0.00	0.02	0.00	26.36	2.00	0.00	0.00	0.02	0.00
26.38	2.00	0.00	0.00	0.02	0.00	26.40	2.00	0.00	0.00	0.02	0.00
26.42	2.00	0.00	0.00	0.02	0.00	26.44	2.00	0.00	0.00	0.02	0.00
26.46	2.00	0.00	0.00	0.02	0.00	26.48	2.00	0.00	0.00	0.02	0.00
26.50	2.00	0.00	0.00	0.02	0.00	26.52	2.00	0.00	0.00	0.02	0.00
26.54	2.00	0.00	0.00	0.02	0.00	26.56	2.00	0.00	0.00	0.02	0.00
26.58	2.00	0.00	0.00	0.02	0.00	26.60	2.00	0.00	0.00	0.02	0.00
26.62	2.00	0.00	0.00	0.02	0.00	26.64	2.00	0.00	0.00	0.02	0.00
26.66	2.00	0.00	0.00	0.02	0.00	26.68	2.00	0.00	0.00	0.02	0.00
26.70	2.00	0.00	0.00	0.02	0.00	26.72	2.00	0.00	0.00	0.02	0.00
26.74	2.00	0.00	0.00	0.02	0.00	26.76	2.00	0.00	0.00	0.02	0.00
26.78	2.00	0.00	0.00	0.02	0.00	26.80	2.00	0.00	0.00	0.02	0.00
26.82	2.00	0.00	0.00	0.02	0.00	26.84	2.00	0.00	0.00	0.02	0.00
26.86	2.00	0.00	0.00	0.02	0.00	26.88	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
26.90	2.00	0.00	0.00	0.02	0.00	26.92	2.00	0.00	0.00	0.02	0.00
26.94	2.00	0.00	0.00	0.02	0.00	26.96	2.00	0.00	0.00	0.02	0.00
26.98	2.00	0.00	0.00	0.02	0.00	27.00	2.00	0.00	0.00	0.02	0.00
27.02	2.00	0.00	0.00	0.02	0.00	27.04	2.00	0.00	0.00	0.02	0.00
27.06	2.00	0.00	0.00	0.02	0.00	27.08	2.00	0.00	0.00	0.02	0.00
27.10	2.00	0.00	0.00	0.02	0.00	27.12	2.00	0.00	0.00	0.02	0.00
27.14	2.00	0.00	0.00	0.02	0.00	27.16	2.00	0.00	0.00	0.02	0.00
27.18	2.00	0.00	0.00	0.02	0.00	27.20	2.00	0.00	0.00	0.02	0.00
27.22	2.00	0.00	0.00	0.02	0.00	27.24	2.00	0.00	0.00	0.02	0.00
27.26	2.00	0.00	0.00	0.02	0.00	27.28	2.00	0.00	0.00	0.02	0.00
27.30	2.00	0.00	0.00	0.02	0.00	27.32	2.00	0.00	0.00	0.02	0.00
27.34	2.00	0.00	0.00	0.02	0.00	27.36	2.00	0.00	0.00	0.02	0.00
27.38	2.00	0.00	0.00	0.02	0.00	27.40	2.00	0.00	0.00	0.02	0.00
27.42	2.00	0.00	0.00	0.02	0.00	27.44	2.00	0.00	0.00	0.02	0.00
27.46	2.00	0.00	0.00	0.02	0.00	27.48	2.00	0.00	0.00	0.02	0.00
27.50	2.00	0.00	0.00	0.02	0.00	27.52	2.00	0.00	0.00	0.02	0.00
27.54	2.00	0.00	0.00	0.02	0.00	27.56	2.00	0.00	0.00	0.02	0.00
27.58	2.00	0.00	0.00	0.02	0.00	27.60	2.00	0.00	0.00	0.02	0.00
27.62	2.00	0.00	0.00	0.02	0.00	27.64	2.00	0.00	0.00	0.02	0.00
27.66	2.00	0.00	0.00	0.02	0.00	27.68	2.00	0.00	0.00	0.02	0.00
27.70	2.00	0.00	0.00	0.02	0.00	27.72	2.00	0.00	0.00	0.02	0.00
27.74	2.00	0.00	0.00	0.02	0.00	27.76	2.00	0.00	0.00	0.02	0.00
27.78	2.00	0.00	0.00	0.02	0.00	27.80	2.00	0.00	0.00	0.02	0.00
27.82	2.00	0.00	0.00	0.02	0.00	27.84	2.00	0.00	0.00	0.02	0.00
27.86	2.00	0.00	0.00	0.02	0.00	27.88	2.00	0.00	0.00	0.02	0.00
27.90	2.00	0.00	0.00	0.02	0.00	27.92	2.00	0.00	0.00	0.02	0.00
27.94	2.00	0.00	0.00	0.02	0.00	27.96	2.00	0.00	0.00	0.02	0.00
27.98	2.00	0.00	0.00	0.02	0.00	28.00	2.00	0.00	0.00	0.02	0.00
28.02	2.00	0.00	0.00	0.02	0.00	28.04	2.00	0.00	0.00	0.02	0.00
28.06	2.00	0.00	0.00	0.02	0.00	28.08	2.00	0.00	0.00	0.02	0.00
28.10	2.00	0.00	0.00	0.02	0.00	28.12	2.00	0.00	0.00	0.02	0.00
28.14	2.00	0.00	0.00	0.02	0.00	28.16	2.00	0.00	0.00	0.02	0.00
28.18	2.00	0.00	0.00	0.02	0.00	28.20	2.00	0.00	0.00	0.02	0.00
28.22	2.00	0.00	0.00	0.02	0.00	28.24	2.00	0.00	0.00	0.02	0.00
28.26	2.00	0.00	0.00	0.02	0.00	28.28	2.00	0.00	0.00	0.02	0.00
28.30	2.00	0.00	0.00	0.02	0.00	28.32	2.00	0.00	0.00	0.02	0.00
28.34	2.00	0.00	0.00	0.02	0.00	28.36	2.00	0.00	0.00	0.02	0.00
28.38	2.00	0.00	0.00	0.02	0.00	28.40	2.00	0.00	0.00	0.02	0.00
28.42	2.00	0.00	0.00	0.02	0.00	28.44	2.00	0.00	0.00	0.02	0.00
28.46	2.00	0.00	0.00	0.02	0.00	28.48	2.00	0.00	0.00	0.02	0.00
28.50	2.00	0.00	0.00	0.02	0.00	28.52	2.00	0.00	0.00	0.02	0.00
28.54	2.00	0.00	0.00	0.02	0.00	28.56	2.00	0.00	0.00	0.02	0.00
28.58	2.00	0.00	0.00	0.02	0.00	28.60	2.00	0.00	0.00	0.02	0.00
28.62	2.00	0.00	0.00	0.02	0.00	28.64	2.00	0.00	0.00	0.02	0.00
28.66	2.00	0.00	0.00	0.02	0.00	28.68	2.00	0.00	0.00	0.02	0.00
28.70	2.00	0.00	0.00	0.02	0.00	28.72	2.00	0.00	0.00	0.02	0.00
28.74	2.00	0.00	0.00	0.02	0.00	28.76	2.00	0.00	0.00	0.02	0.00
28.78	2.00	0.00	0.00	0.02	0.00	28.80	2.00	0.00	0.00	0.02	0.00

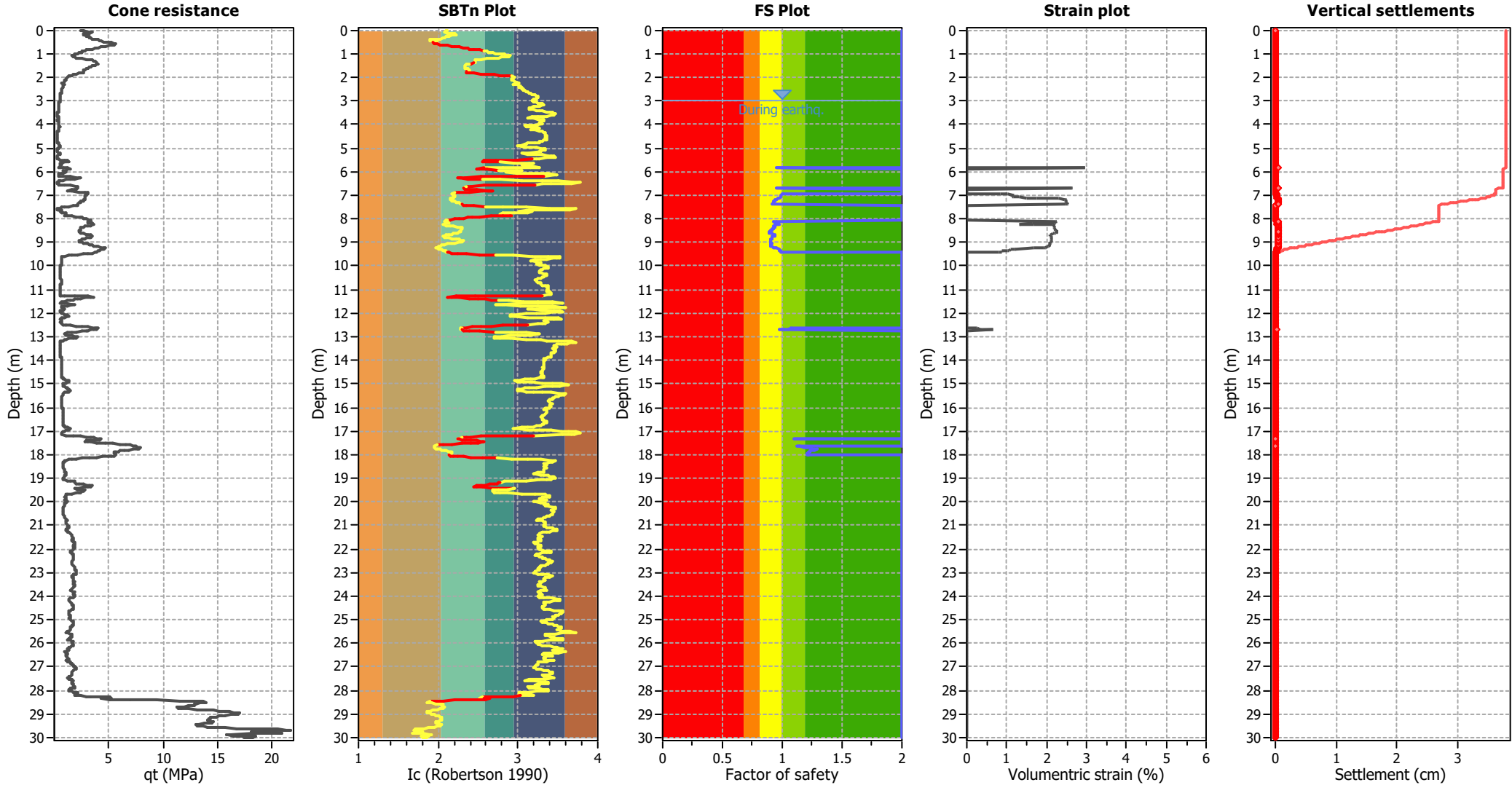
:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}	Depth (m)	FS	m(FS)	H ₁ *m(FS)	d _z	LPI _{ISH}
28.82	2.00	0.00	0.00	0.02	0.00	28.84	2.00	0.00	0.00	0.02	0.00
28.86	2.00	0.00	0.00	0.02	0.00	28.88	2.00	0.00	0.00	0.02	0.00
28.90	2.00	0.00	0.00	0.02	0.00	28.92	2.00	0.00	0.00	0.02	0.00
28.94	2.00	0.00	0.00	0.02	0.00	28.96	2.00	0.00	0.00	0.02	0.00
28.98	2.00	0.00	0.00	0.02	0.00	29.00	2.00	0.00	0.00	0.02	0.00
29.02	2.00	0.00	0.00	0.02	0.00	29.04	2.00	0.00	0.00	0.02	0.00
29.06	2.00	0.00	0.00	0.02	0.00	29.08	2.00	0.00	0.00	0.02	0.00
29.10	2.00	0.00	0.00	0.02	0.00	29.12	2.00	0.00	0.00	0.02	0.00
29.14	2.00	0.00	0.00	0.02	0.00	29.16	2.00	0.00	0.00	0.02	0.00
29.18	2.00	0.00	0.00	0.02	0.00	29.20	2.00	0.00	0.00	0.02	0.00
29.22	2.00	0.00	0.00	0.02	0.00	29.24	2.00	0.00	0.00	0.02	0.00
29.26	2.00	0.00	0.00	0.02	0.00	29.28	2.00	0.00	0.00	0.02	0.00
29.30	2.00	0.00	0.00	0.02	0.00	29.32	2.00	0.00	0.00	0.02	0.00
29.34	2.00	0.00	0.00	0.02	0.00	29.36	2.00	0.00	0.00	0.02	0.00
29.38	2.00	0.00	0.00	0.02	0.00	29.40	2.00	0.00	0.00	0.02	0.00
29.42	2.00	0.00	0.00	0.02	0.00	29.44	2.00	0.00	0.00	0.02	0.00
29.46	2.00	0.00	0.00	0.02	0.00	29.48	2.00	0.00	0.00	0.02	0.00
29.50	2.00	0.00	0.00	0.02	0.00	29.52	2.00	0.00	0.00	0.02	0.00
29.54	2.00	0.00	0.00	0.02	0.00	29.56	2.00	0.00	0.00	0.02	0.00
29.58	2.00	0.00	0.00	0.02	0.00	29.60	2.00	0.00	0.00	0.02	0.00
29.62	2.00	0.00	0.00	0.02	0.00	29.64	2.00	0.00	0.00	0.02	0.00
29.66	2.00	0.00	0.00	0.02	0.00	29.68	2.00	0.00	0.00	0.02	0.00
29.70	2.00	0.00	0.00	0.02	0.00	29.72	2.00	0.00	0.00	0.02	0.00
29.74	2.00	0.00	0.00	0.02	0.00	29.76	2.00	0.00	0.00	0.02	0.00
29.78	2.00	0.00	0.00	0.02	0.00	29.80	2.00	0.00	0.00	0.02	0.00
29.82	2.00	0.00	0.00	0.02	0.00	29.84	2.00	0.00	0.00	0.02	0.00
29.86	2.00	0.00	0.00	0.02	0.00	29.88	2.00	0.00	0.00	0.02	0.00
29.90	2.00	0.00	0.00	0.02	0.00	29.92	2.00	0.00	0.00	0.02	0.00
29.94	2.00	0.00	0.00	0.02	0.00	29.96	2.00	0.00	0.00	0.02	0.00
29.98	2.00	0.00	0.00	0.02	0.00	30.00	2.00	0.00	0.00	0.02	0.00
Overall liquefaction potential: 0.70											

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

- FS: Calculated factor of safety for test point
- d_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

:: Post-earthquake settlement due to soil liquefaction ::											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
3.00	7.22	2.00	0.00	0.83	0.00	3.02	7.06	2.00	0.00	0.83	0.00
3.04	6.49	2.00	0.00	0.83	0.00	3.06	6.62	2.00	0.00	0.83	0.00
3.08	6.19	2.00	0.00	0.83	0.00	3.10	5.90	2.00	0.00	0.83	0.00
3.12	5.60	2.00	0.00	0.83	0.00	3.14	5.46	2.00	0.00	0.83	0.00
3.16	5.16	2.00	0.00	0.82	0.00	3.18	4.87	2.00	0.00	0.82	0.00
3.20	4.87	2.00	0.00	0.82	0.00	3.22	5.29	2.00	0.00	0.82	0.00
3.24	5.56	2.00	0.00	0.82	0.00	3.26	5.97	2.00	0.00	0.82	0.00
3.28	5.97	2.00	0.00	0.82	0.00	3.30	5.96	2.00	0.00	0.82	0.00
3.32	6.09	2.00	0.00	0.82	0.00	3.34	5.80	2.00	0.00	0.81	0.00
3.36	5.80	2.00	0.00	0.81	0.00	3.38	5.37	2.00	0.00	0.81	0.00
3.40	5.09	2.00	0.00	0.81	0.00	3.42	5.08	2.00	0.00	0.81	0.00
3.44	4.93	2.00	0.00	0.81	0.00	3.46	4.51	2.00	0.00	0.81	0.00
3.48	4.37	2.00	0.00	0.81	0.00	3.50	4.22	2.00	0.00	0.81	0.00
3.52	3.80	2.00	0.00	0.80	0.00	3.54	3.79	2.00	0.00	0.80	0.00
3.56	3.93	2.00	0.00	0.80	0.00	3.58	3.64	2.00	0.00	0.80	0.00
3.60	3.64	2.00	0.00	0.80	0.00	3.62	3.50	2.00	0.00	0.80	0.00
3.64	3.77	2.00	0.00	0.80	0.00	3.66	4.32	2.00	0.00	0.80	0.00
3.68	5.14	2.00	0.00	0.80	0.00	3.70	5.41	2.00	0.00	0.79	0.00
3.72	5.40	2.00	0.00	0.79	0.00	3.74	5.12	2.00	0.00	0.79	0.00
3.76	4.70	2.00	0.00	0.79	0.00	3.78	4.70	2.00	0.00	0.79	0.00
3.80	4.56	2.00	0.00	0.79	0.00	3.82	4.41	2.00	0.00	0.79	0.00
3.84	4.55	2.00	0.00	0.79	0.00	3.86	4.54	2.00	0.00	0.79	0.00
3.88	4.67	2.00	0.00	0.78	0.00	3.90	4.67	2.00	0.00	0.78	0.00
3.92	4.66	2.00	0.00	0.78	0.00	3.94	5.20	2.00	0.00	0.78	0.00
3.96	5.05	2.00	0.00	0.78	0.00	3.98	4.64	2.00	0.00	0.78	0.00
4.00	4.37	2.00	0.00	0.78	0.00	4.02	5.17	2.00	0.00	0.78	0.00
4.04	6.10	2.00	0.00	0.78	0.00	4.06	6.37	2.00	0.00	0.77	0.00
4.08	6.36	2.00	0.00	0.77	0.00	4.10	6.22	2.00	0.00	0.77	0.00
4.12	5.28	2.00	0.00	0.77	0.00	4.14	4.73	2.00	0.00	0.77	0.00
4.16	4.73	2.00	0.00	0.77	0.00	4.18	5.12	2.00	0.00	0.77	0.00
4.20	5.39	2.00	0.00	0.77	0.00	4.22	5.38	2.00	0.00	0.77	0.00
4.24	4.97	2.00	0.00	0.76	0.00	4.26	4.30	2.00	0.00	0.76	0.00
4.28	4.30	2.00	0.00	0.76	0.00	4.30	4.30	2.00	0.00	0.76	0.00
4.32	4.29	2.00	0.00	0.76	0.00	4.34	4.29	2.00	0.00	0.76	0.00
4.36	4.28	2.00	0.00	0.76	0.00	4.38	4.28	2.00	0.00	0.76	0.00
4.40	4.14	2.00	0.00	0.76	0.00	4.42	4.27	2.00	0.00	0.75	0.00
4.44	4.26	2.00	0.00	0.75	0.00	4.46	4.26	2.00	0.00	0.75	0.00
4.48	4.25	2.00	0.00	0.75	0.00	4.50	4.12	2.00	0.00	0.75	0.00
4.52	3.98	2.00	0.00	0.75	0.00	4.54	4.11	2.00	0.00	0.75	0.00
4.56	4.10	2.00	0.00	0.75	0.00	4.58	4.23	2.00	0.00	0.75	0.00
4.60	4.23	2.00	0.00	0.74	0.00	4.62	4.09	2.00	0.00	0.74	0.00
4.64	3.96	2.00	0.00	0.74	0.00	4.66	3.82	2.00	0.00	0.74	0.00
4.68	3.82	2.00	0.00	0.74	0.00	4.70	3.81	2.00	0.00	0.74	0.00
4.72	3.81	2.00	0.00	0.74	0.00	4.74	3.81	2.00	0.00	0.74	0.00
4.76	3.80	2.00	0.00	0.74	0.00	4.78	3.93	2.00	0.00	0.73	0.00
4.80	4.96	2.00	0.00	0.73	0.00	4.82	5.99	2.00	0.00	0.73	0.00
4.84	5.60	2.00	0.00	0.73	0.00	4.86	5.34	2.00	0.00	0.73	0.00
4.88	7.00	2.00	0.00	0.73	0.00	4.90	7.88	2.00	0.00	0.73	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
4.92	7.49	2.00	0.00	0.73	0.00	4.94	6.47	2.00	0.00	0.73	0.00
4.96	5.44	2.00	0.00	0.72	0.00	4.98	4.79	2.00	0.00	0.72	0.00
5.00	4.53	2.00	0.00	0.72	0.00	5.02	4.27	2.00	0.00	0.72	0.00
5.04	3.75	2.00	0.00	0.72	0.00	5.06	3.87	2.00	0.00	0.72	0.00
5.08	3.87	2.00	0.00	0.72	0.00	5.10	3.87	2.00	0.00	0.72	0.00
5.12	3.99	2.00	0.00	0.72	0.00	5.14	3.99	2.00	0.00	0.71	0.00
5.16	3.98	2.00	0.00	0.71	0.00	5.18	3.98	2.00	0.00	0.71	0.00
5.20	4.10	2.00	0.00	0.71	0.00	5.22	7.01	2.00	0.00	0.71	0.00
5.24	7.00	2.00	0.00	0.71	0.00	5.26	5.99	2.00	0.00	0.71	0.00
5.28	5.35	2.00	0.00	0.71	0.00	5.30	4.34	2.00	0.00	0.71	0.00
5.32	3.95	2.00	0.00	0.70	0.00	5.34	3.82	2.00	0.00	0.70	0.00
5.36	3.69	2.00	0.00	0.70	0.00	5.38	3.31	2.00	0.00	0.70	0.00
5.40	3.43	2.00	0.00	0.70	0.00	5.42	3.68	2.00	0.00	0.70	0.00
5.44	4.06	2.00	0.00	0.70	0.00	5.46	4.30	2.00	0.00	0.70	0.00
5.48	4.30	2.00	0.00	0.70	0.00	5.50	5.42	2.00	0.00	0.69	0.00
5.52	10.64	2.00	0.00	0.69	0.00	5.54	72.32	2.00	0.00	0.69	0.00
5.56	72.29	2.00	0.00	0.69	0.00	5.58	14.65	2.00	0.00	0.69	0.00
5.60	11.45	2.00	0.00	0.69	0.00	5.62	9.09	2.00	0.00	0.69	0.00
5.64	6.99	2.00	0.00	0.69	0.00	5.66	6.37	2.00	0.00	0.69	0.00
5.68	7.59	2.00	0.00	0.68	0.00	5.70	8.44	2.00	0.00	0.68	0.00
5.72	7.57	2.00	0.00	0.68	0.00	5.74	7.44	2.00	0.00	0.68	0.00
5.76	7.44	2.00	0.00	0.68	0.00	5.78	6.08	2.00	0.00	0.68	0.00
5.80	5.46	2.00	0.00	0.68	0.00	5.82	5.08	2.00	0.00	0.68	0.00
5.84	8.03	2.00	0.00	0.68	0.00	5.86	72.81	0.95	2.96	0.67	0.06
5.88	73.88	2.00	0.00	0.67	0.00	5.90	71.63	2.00	0.00	0.67	0.00
5.92	15.48	2.00	0.00	0.67	0.00	5.94	12.33	2.00	0.00	0.67	0.00
5.96	9.41	2.00	0.00	0.67	0.00	5.98	6.87	2.00	0.00	0.67	0.00
6.00	10.84	2.00	0.00	0.67	0.00	6.02	14.89	2.00	0.00	0.67	0.00
6.04	13.09	2.00	0.00	0.66	0.00	6.06	9.72	2.00	0.00	0.66	0.00
6.08	7.43	2.00	0.00	0.66	0.00	6.10	5.61	2.00	0.00	0.66	0.00
6.12	4.39	2.00	0.00	0.66	0.00	6.14	4.39	2.00	0.00	0.66	0.00
6.16	4.99	2.00	0.00	0.66	0.00	6.18	4.38	2.00	0.00	0.66	0.00
6.20	6.67	2.00	0.00	0.66	0.00	6.22	72.41	2.00	0.00	0.65	0.00
6.24	79.71	2.00	0.00	0.65	0.00	6.26	79.72	2.00	0.00	0.65	0.00
6.28	78.89	2.00	0.00	0.65	0.00	6.30	76.18	2.00	0.00	0.65	0.00
6.32	73.14	2.00	0.00	0.65	0.00	6.34	12.43	2.00	0.00	0.65	0.00
6.36	8.74	2.00	0.00	0.65	0.00	6.38	6.72	2.00	0.00	0.65	0.00
6.40	5.16	2.00	0.00	0.64	0.00	6.42	3.85	2.00	0.00	0.64	0.00
6.44	3.24	2.00	0.00	0.64	0.00	6.46	3.12	2.00	0.00	0.64	0.00
6.48	3.36	2.00	0.00	0.64	0.00	6.50	3.95	2.00	0.00	0.64	0.00
6.52	4.42	2.00	0.00	0.64	0.00	6.54	4.42	2.00	0.00	0.64	0.00
6.56	5.71	2.00	0.00	0.64	0.00	6.58	5.71	2.00	0.00	0.63	0.00
6.60	76.31	2.00	0.00	0.63	0.00	6.62	78.00	2.00	0.00	0.63	0.00
6.64	78.27	2.00	0.00	0.63	0.00	6.66	77.31	2.00	0.00	0.63	0.00
6.68	76.28	2.00	0.00	0.63	0.00	6.70	76.08	0.95	2.64	0.63	0.05
6.72	76.10	0.95	2.64	0.63	0.05	6.74	76.08	2.00	0.00	0.63	0.00
6.76	75.67	2.00	0.00	0.62	0.00	6.78	73.20	2.00	0.00	0.62	0.00
6.80	14.01	2.00	0.00	0.62	0.00	6.82	11.80	2.00	0.00	0.62	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
6.84	71.50	2.00	0.00	0.62	0.00	6.86	82.17	2.00	0.00	0.62	0.00
6.88	86.67	2.00	0.00	0.62	0.00	6.90	86.34	2.00	0.00	0.62	0.00
6.92	85.15	2.00	0.00	0.62	0.00	6.94	83.82	1.02	0.86	0.61	0.02
6.96	82.51	1.00	1.01	0.61	0.02	6.98	81.57	0.99	1.16	0.61	0.02
7.00	81.52	0.99	1.18	0.61	0.02	7.02	81.71	0.99	1.15	0.61	0.02
7.04	81.85	0.99	1.13	0.61	0.02	7.06	81.64	0.99	1.18	0.61	0.02
7.08	81.00	0.98	1.32	0.61	0.03	7.10	80.43	0.98	1.49	0.61	0.03
7.12	79.72	0.97	1.77	0.60	0.04	7.14	78.83	0.96	2.31	0.60	0.05
7.16	78.62	0.96	2.45	0.60	0.05	7.18	78.06	0.95	2.47	0.60	0.05
7.20	77.57	0.95	2.48	0.60	0.05	7.22	77.30	0.94	2.48	0.60	0.05
7.24	77.11	0.94	2.48	0.60	0.05	7.26	76.57	0.93	2.49	0.60	0.05
7.28	76.16	0.93	2.50	0.60	0.05	7.30	76.03	0.93	2.50	0.59	0.05
7.32	75.80	0.93	2.50	0.59	0.05	7.34	75.44	0.92	2.51	0.59	0.05
7.36	75.27	0.92	2.51	0.59	0.05	7.38	75.15	0.92	2.51	0.59	0.05
7.40	75.48	0.92	2.50	0.59	0.05	7.42	75.06	2.00	0.00	0.59	0.00
7.44	75.43	2.00	0.00	0.59	0.00	7.46	74.88	2.00	0.00	0.59	0.00
7.48	70.55	2.00	0.00	0.58	0.00	7.50	10.29	2.00	0.00	0.58	0.00
7.52	7.58	2.00	0.00	0.58	0.00	7.54	5.44	2.00	0.00	0.58	0.00
7.56	3.85	2.00	0.00	0.58	0.00	7.58	3.74	2.00	0.00	0.58	0.00
7.60	3.06	2.00	0.00	0.58	0.00	7.62	4.07	2.00	0.00	0.58	0.00
7.64	7.09	2.00	0.00	0.58	0.00	7.66	8.65	2.00	0.00	0.57	0.00
7.68	7.19	2.00	0.00	0.57	0.00	7.70	5.62	2.00	0.00	0.57	0.00
7.72	5.95	2.00	0.00	0.57	0.00	7.74	9.62	2.00	0.00	0.57	0.00
7.76	12.05	2.00	0.00	0.57	0.00	7.78	12.92	2.00	0.00	0.57	0.00
7.80	12.47	2.00	0.00	0.57	0.00	7.82	11.13	2.00	0.00	0.57	0.00
7.84	10.13	2.00	0.00	0.56	0.00	7.86	10.23	2.00	0.00	0.56	0.00
7.88	12.31	2.00	0.00	0.56	0.00	7.90	17.35	2.00	0.00	0.56	0.00
7.92	80.00	2.00	0.00	0.56	0.00	7.94	82.40	2.00	0.00	0.56	0.00
7.96	82.47	2.00	0.00	0.56	0.00	7.98	82.13	2.00	0.00	0.56	0.00
8.00	82.14	2.00	0.00	0.56	0.00	8.02	82.74	2.00	0.00	0.55	0.00
8.04	82.43	2.00	0.00	0.55	0.00	8.06	81.71	2.00	0.00	0.55	0.00
8.08	81.44	2.00	0.00	0.55	0.00	8.10	79.56	0.95	2.22	0.55	0.04
8.12	78.26	0.93	2.25	0.55	0.04	8.14	78.05	0.93	2.25	0.55	0.04
8.16	78.80	0.94	2.22	0.55	0.04	8.18	80.05	0.95	2.19	0.55	0.04
8.20	81.55	0.96	1.63	0.54	0.03	8.22	82.52	0.97	1.33	0.54	0.03
8.24	81.43	0.96	1.70	0.54	0.03	8.26	80.64	0.95	2.15	0.54	0.04
8.28	79.44	0.94	2.18	0.54	0.04	8.30	78.95	0.94	2.19	0.54	0.04
8.32	78.45	0.93	2.20	0.54	0.04	8.34	78.63	0.93	2.19	0.54	0.04
8.36	78.56	0.93	2.18	0.54	0.04	8.38	78.29	0.93	2.19	0.53	0.04
8.40	78.04	0.93	2.19	0.53	0.04	8.42	77.28	0.92	2.21	0.53	0.04
8.44	76.91	0.92	2.21	0.53	0.04	8.46	76.38	0.91	2.22	0.53	0.04
8.48	75.68	0.90	2.24	0.53	0.04	8.50	75.23	0.90	2.24	0.53	0.04
8.52	74.83	0.90	2.25	0.53	0.05	8.54	74.45	0.89	2.26	0.53	0.05
8.56	73.70	0.89	2.27	0.52	0.05	8.58	73.92	0.89	2.26	0.52	0.05
8.60	74.66	0.89	2.24	0.52	0.04	8.62	75.82	0.90	2.20	0.52	0.04
8.64	76.96	0.91	2.16	0.52	0.04	8.66	77.79	0.92	2.14	0.52	0.04
8.68	78.68	0.93	2.11	0.52	0.04	8.70	79.42	0.94	2.09	0.52	0.04
8.72	79.39	0.94	2.08	0.52	0.04	8.74	78.66	0.93	2.10	0.51	0.04

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
8.76	77.52	0.92	2.12	0.51	0.04	8.78	76.99	0.91	2.13	0.51	0.04
8.80	76.93	0.91	2.13	0.51	0.04	8.82	76.97	0.91	2.12	0.51	0.04
8.84	77.23	0.91	2.11	0.51	0.04	8.86	76.89	0.91	2.11	0.51	0.04
8.88	76.49	0.91	2.12	0.51	0.04	8.90	76.16	0.90	2.12	0.51	0.04
8.92	75.87	0.90	2.13	0.50	0.04	8.94	75.84	0.90	2.12	0.50	0.04
8.96	75.73	0.90	2.12	0.50	0.04	8.98	76.17	0.90	2.11	0.50	0.04
9.00	76.50	0.91	2.09	0.50	0.04	9.02	76.91	0.91	2.08	0.50	0.04
9.04	77.16	0.91	2.07	0.50	0.04	9.06	76.77	0.91	2.07	0.50	0.04
9.08	76.28	0.90	2.08	0.50	0.04	9.10	75.81	0.90	2.09	0.49	0.04
9.12	75.99	0.90	2.08	0.49	0.04	9.14	76.49	0.90	2.06	0.49	0.04
9.16	76.81	0.91	2.05	0.49	0.04	9.18	78.01	0.92	2.01	0.49	0.04
9.20	79.40	0.93	1.97	0.49	0.04	9.22	79.72	0.93	1.96	0.49	0.04
9.24	80.77	0.94	1.93	0.49	0.04	9.26	81.92	0.96	1.69	0.49	0.03
9.28	83.36	0.97	1.21	0.48	0.02	9.30	83.43	0.97	1.19	0.48	0.02
9.32	83.92	0.98	1.08	0.48	0.02	9.34	84.09	0.98	1.05	0.48	0.02
9.36	84.30	0.98	1.02	0.48	0.02	9.38	85.15	0.99	0.89	0.48	0.02
9.40	85.29	0.99	0.87	0.48	0.02	9.42	85.95	1.00	0.80	0.48	0.02
9.44	85.92	2.00	0.00	0.48	0.00	9.46	84.77	2.00	0.00	0.47	0.00
9.48	82.89	2.00	0.00	0.47	0.00	9.50	82.28	2.00	0.00	0.47	0.00
9.52	78.25	2.00	0.00	0.47	0.00	9.54	16.38	2.00	0.00	0.47	0.00
9.56	12.77	2.00	0.00	0.47	0.00	9.58	10.30	2.00	0.00	0.47	0.00
9.60	7.31	2.00	0.00	0.47	0.00	9.62	6.17	2.00	0.00	0.47	0.00
9.64	5.66	2.00	0.00	0.46	0.00	9.66	5.75	2.00	0.00	0.46	0.00
9.68	5.75	2.00	0.00	0.46	0.00	9.70	6.05	2.00	0.00	0.46	0.00
9.72	6.15	2.00	0.00	0.46	0.00	9.74	6.24	2.00	0.00	0.46	0.00
9.76	6.24	2.00	0.00	0.46	0.00	9.78	6.44	2.00	0.00	0.46	0.00
9.80	5.92	2.00	0.00	0.46	0.00	9.82	5.51	2.00	0.00	0.45	0.00
9.84	5.61	2.00	0.00	0.45	0.00	9.86	5.50	2.00	0.00	0.45	0.00
9.88	5.60	2.00	0.00	0.45	0.00	9.90	5.90	2.00	0.00	0.45	0.00
9.92	6.10	2.00	0.00	0.45	0.00	9.94	6.09	2.00	0.00	0.45	0.00
9.96	5.58	2.00	0.00	0.45	0.00	9.98	5.37	2.00	0.00	0.45	0.00
10.00	5.07	2.00	0.00	0.44	0.00	10.02	4.96	2.00	0.00	0.44	0.00
10.04	4.86	2.00	0.00	0.44	0.00	10.06	4.55	2.00	0.00	0.44	0.00
10.08	4.85	2.00	0.00	0.44	0.00	10.10	4.85	2.00	0.00	0.44	0.00
10.12	4.84	2.00	0.00	0.44	0.00	10.14	4.84	2.00	0.00	0.44	0.00
10.16	4.83	2.00	0.00	0.44	0.00	10.18	4.83	2.00	0.00	0.43	0.00
10.20	4.93	2.00	0.00	0.43	0.00	10.22	5.02	2.00	0.00	0.43	0.00
10.24	4.82	2.00	0.00	0.43	0.00	10.26	4.92	2.00	0.00	0.43	0.00
10.28	5.21	2.00	0.00	0.43	0.00	10.30	4.71	2.00	0.00	0.43	0.00
10.32	4.81	2.00	0.00	0.43	0.00	10.34	4.50	2.00	0.00	0.43	0.00
10.36	4.50	2.00	0.00	0.42	0.00	10.38	4.50	2.00	0.00	0.42	0.00
10.40	4.49	2.00	0.00	0.42	0.00	10.42	4.49	2.00	0.00	0.42	0.00
10.44	4.69	2.00	0.00	0.42	0.00	10.46	4.68	2.00	0.00	0.42	0.00
10.48	4.68	2.00	0.00	0.42	0.00	10.50	4.88	2.00	0.00	0.42	0.00
10.52	4.87	2.00	0.00	0.42	0.00	10.54	4.97	2.00	0.00	0.41	0.00
10.56	5.06	2.00	0.00	0.41	0.00	10.58	5.06	2.00	0.00	0.41	0.00
10.60	5.25	2.00	0.00	0.41	0.00	10.62	5.25	2.00	0.00	0.41	0.00
10.64	5.25	2.00	0.00	0.41	0.00	10.66	5.34	2.00	0.00	0.41	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
10.68	5.34	2.00	0.00	0.41	0.00	10.70	5.24	2.00	0.00	0.41	0.00
10.72	5.03	2.00	0.00	0.40	0.00	10.74	5.03	2.00	0.00	0.40	0.00
10.76	4.93	2.00	0.00	0.40	0.00	10.78	5.02	2.00	0.00	0.40	0.00
10.80	4.92	2.00	0.00	0.40	0.00	10.82	4.72	2.00	0.00	0.40	0.00
10.84	4.33	2.00	0.00	0.40	0.00	10.86	4.22	2.00	0.00	0.40	0.00
10.88	4.22	2.00	0.00	0.40	0.00	10.90	4.22	2.00	0.00	0.39	0.00
10.92	4.21	2.00	0.00	0.39	0.00	10.94	4.21	2.00	0.00	0.39	0.00
10.96	4.11	2.00	0.00	0.39	0.00	10.98	4.11	2.00	0.00	0.39	0.00
11.00	4.11	2.00	0.00	0.39	0.00	11.02	4.10	2.00	0.00	0.39	0.00
11.04	4.10	2.00	0.00	0.39	0.00	11.06	4.10	2.00	0.00	0.39	0.00
11.08	4.09	2.00	0.00	0.38	0.00	11.10	3.90	2.00	0.00	0.38	0.00
11.12	3.89	2.00	0.00	0.38	0.00	11.14	3.79	2.00	0.00	0.38	0.00
11.16	3.89	2.00	0.00	0.38	0.00	11.18	3.89	2.00	0.00	0.38	0.00
11.20	3.88	2.00	0.00	0.38	0.00	11.22	4.08	2.00	0.00	0.38	0.00
11.24	4.27	2.00	0.00	0.38	0.00	11.26	5.14	2.00	0.00	0.37	0.00
11.28	68.20	2.00	0.00	0.37	0.00	11.30	83.48	2.00	0.00	0.37	0.00
11.32	82.82	2.00	0.00	0.37	0.00	11.34	79.68	2.00	0.00	0.37	0.00
11.36	77.67	2.00	0.00	0.37	0.00	11.38	75.73	2.00	0.00	0.37	0.00
11.40	74.94	2.00	0.00	0.37	0.00	11.42	73.66	2.00	0.00	0.37	0.00
11.44	16.77	2.00	0.00	0.36	0.00	11.46	14.83	2.00	0.00	0.36	0.00
11.48	11.64	2.00	0.00	0.36	0.00	11.50	9.13	2.00	0.00	0.36	0.00
11.52	6.91	2.00	0.00	0.36	0.00	11.54	5.75	2.00	0.00	0.36	0.00
11.56	4.89	2.00	0.00	0.36	0.00	11.58	4.59	2.00	0.00	0.36	0.00
11.60	8.14	2.00	0.00	0.36	0.00	11.62	17.34	2.00	0.00	0.35	0.00
11.64	19.44	2.00	0.00	0.35	0.00	11.66	15.11	2.00	0.00	0.35	0.00
11.68	10.02	2.00	0.00	0.35	0.00	11.70	7.91	2.00	0.00	0.35	0.00
11.72	6.86	2.00	0.00	0.35	0.00	11.74	5.33	2.00	0.00	0.35	0.00
11.76	5.04	2.00	0.00	0.35	0.00	11.78	5.22	2.00	0.00	0.35	0.00
11.80	8.55	2.00	0.00	0.34	0.00	11.82	8.73	2.00	0.00	0.34	0.00
11.84	8.15	2.00	0.00	0.34	0.00	11.86	6.34	2.00	0.00	0.34	0.00
11.88	5.01	2.00	0.00	0.34	0.00	11.90	4.63	2.00	0.00	0.34	0.00
11.92	4.34	2.00	0.00	0.34	0.00	11.94	4.15	2.00	0.00	0.34	0.00
11.96	4.24	2.00	0.00	0.34	0.00	11.98	4.71	2.00	0.00	0.33	0.00
12.00	5.08	2.00	0.00	0.33	0.00	12.02	5.36	2.00	0.00	0.33	0.00
12.04	6.21	2.00	0.00	0.33	0.00	12.06	8.56	2.00	0.00	0.33	0.00
12.08	10.63	2.00	0.00	0.33	0.00	12.10	10.53	2.00	0.00	0.33	0.00
12.12	11.18	2.00	0.00	0.33	0.00	12.14	13.34	2.00	0.00	0.33	0.00
12.16	11.54	2.00	0.00	0.32	0.00	12.18	9.09	2.00	0.00	0.32	0.00
12.20	6.45	2.00	0.00	0.32	0.00	12.22	5.23	2.00	0.00	0.32	0.00
12.24	4.95	2.00	0.00	0.32	0.00	12.26	5.22	2.00	0.00	0.32	0.00
12.28	6.34	2.00	0.00	0.32	0.00	12.30	6.34	2.00	0.00	0.32	0.00
12.32	6.24	2.00	0.00	0.32	0.00	12.34	5.67	2.00	0.00	0.31	0.00
12.36	5.02	2.00	0.00	0.31	0.00	12.38	4.92	2.00	0.00	0.31	0.00
12.40	4.92	2.00	0.00	0.31	0.00	12.42	5.20	2.00	0.00	0.31	0.00
12.44	5.47	2.00	0.00	0.31	0.00	12.46	5.75	2.00	0.00	0.31	0.00
12.48	6.86	2.00	0.00	0.31	0.00	12.50	9.55	2.00	0.00	0.31	0.00
12.52	13.73	2.00	0.00	0.30	0.00	12.54	16.60	2.00	0.00	0.30	0.00
12.56	80.42	2.00	0.00	0.30	0.00	12.58	85.12	2.00	0.00	0.30	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
12.60	87.39	2.00	0.00	0.30	0.00	12.62	89.60	2.00	0.00	0.30	0.00
12.64	90.68	2.00	0.00	0.30	0.00	12.66	91.76	1.08	0.27	0.30	0.01
12.68	89.59	1.05	0.32	0.30	0.01	12.70	86.32	1.01	0.42	0.29	0.01
12.72	82.92	0.98	0.65	0.29	0.01	12.74	80.94	2.00	0.00	0.29	0.00
12.76	84.02	2.00	0.00	0.29	0.00	12.78	80.62	2.00	0.00	0.29	0.00
12.80	17.93	2.00	0.00	0.29	0.00	12.82	13.85	2.00	0.00	0.29	0.00
12.84	10.80	2.00	0.00	0.29	0.00	12.86	8.77	2.00	0.00	0.29	0.00
12.88	7.30	2.00	0.00	0.28	0.00	12.90	8.85	2.00	0.00	0.28	0.00
12.92	8.75	2.00	0.00	0.28	0.00	12.94	10.49	2.00	0.00	0.28	0.00
12.96	14.79	2.00	0.00	0.28	0.00	12.98	18.09	2.00	0.00	0.28	0.00
13.00	19.09	2.00	0.00	0.28	0.00	13.02	19.44	2.00	0.00	0.28	0.00
13.04	18.60	2.00	0.00	0.28	0.00	13.06	15.83	2.00	0.00	0.27	0.00
13.08	12.62	2.00	0.00	0.27	0.00	13.10	9.60	2.00	0.00	0.27	0.00
13.12	7.69	2.00	0.00	0.27	0.00	13.14	8.32	2.00	0.00	0.27	0.00
13.16	7.77	2.00	0.00	0.27	0.00	13.18	5.50	2.00	0.00	0.27	0.00
13.20	4.32	2.00	0.00	0.27	0.00	13.22	4.14	2.00	0.00	0.27	0.00
13.24	4.04	2.00	0.00	0.26	0.00	13.26	4.04	2.00	0.00	0.26	0.00
13.28	3.95	2.00	0.00	0.26	0.00	13.30	4.04	2.00	0.00	0.26	0.00
13.32	4.03	2.00	0.00	0.26	0.00	13.34	4.03	2.00	0.00	0.26	0.00
13.36	3.94	2.00	0.00	0.26	0.00	13.38	4.03	2.00	0.00	0.26	0.00
13.40	4.02	2.00	0.00	0.26	0.00	13.42	4.20	2.00	0.00	0.25	0.00
13.44	4.20	2.00	0.00	0.25	0.00	13.46	4.02	2.00	0.00	0.25	0.00
13.48	4.01	2.00	0.00	0.25	0.00	13.50	4.28	2.00	0.00	0.25	0.00
13.52	4.28	2.00	0.00	0.25	0.00	13.54	4.27	2.00	0.00	0.25	0.00
13.56	4.09	2.00	0.00	0.25	0.00	13.58	4.09	2.00	0.00	0.25	0.00
13.60	4.27	2.00	0.00	0.24	0.00	13.62	4.09	2.00	0.00	0.24	0.00
13.64	4.08	2.00	0.00	0.24	0.00	13.66	4.08	2.00	0.00	0.24	0.00
13.68	4.26	2.00	0.00	0.24	0.00	13.70	4.25	2.00	0.00	0.24	0.00
13.72	4.25	2.00	0.00	0.24	0.00	13.74	4.25	2.00	0.00	0.24	0.00
13.76	4.25	2.00	0.00	0.24	0.00	13.78	4.24	2.00	0.00	0.23	0.00
13.80	4.33	2.00	0.00	0.23	0.00	13.82	4.24	2.00	0.00	0.23	0.00
13.84	4.24	2.00	0.00	0.23	0.00	13.86	4.23	2.00	0.00	0.23	0.00
13.88	4.32	2.00	0.00	0.23	0.00	13.90	4.41	2.00	0.00	0.23	0.00
13.92	4.40	2.00	0.00	0.23	0.00	13.94	4.40	2.00	0.00	0.23	0.00
13.96	4.49	2.00	0.00	0.22	0.00	13.98	4.48	2.00	0.00	0.22	0.00
14.00	4.48	2.00	0.00	0.22	0.00	14.02	4.48	2.00	0.00	0.22	0.00
14.04	4.57	2.00	0.00	0.22	0.00	14.06	4.56	2.00	0.00	0.22	0.00
14.08	4.56	2.00	0.00	0.22	0.00	14.10	4.56	2.00	0.00	0.22	0.00
14.12	4.55	2.00	0.00	0.22	0.00	14.14	4.55	2.00	0.00	0.21	0.00
14.16	4.55	2.00	0.00	0.21	0.00	14.18	4.55	2.00	0.00	0.21	0.00
14.20	4.54	2.00	0.00	0.21	0.00	14.22	4.54	2.00	0.00	0.21	0.00
14.24	4.54	2.00	0.00	0.21	0.00	14.26	4.54	2.00	0.00	0.21	0.00
14.28	4.71	2.00	0.00	0.21	0.00	14.30	4.53	2.00	0.00	0.21	0.00
14.32	4.70	2.00	0.00	0.20	0.00	14.34	4.53	2.00	0.00	0.20	0.00
14.36	4.70	2.00	0.00	0.20	0.00	14.38	4.87	2.00	0.00	0.20	0.00
14.40	4.95	2.00	0.00	0.20	0.00	14.42	4.95	2.00	0.00	0.20	0.00
14.44	4.95	2.00	0.00	0.20	0.00	14.46	4.95	2.00	0.00	0.20	0.00
14.48	4.94	2.00	0.00	0.20	0.00	14.50	5.03	2.00	0.00	0.19	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.52	5.02	2.00	0.00	0.19	0.00	14.54	5.02	2.00	0.00	0.19	0.00
14.56	4.93	2.00	0.00	0.19	0.00	14.58	4.93	2.00	0.00	0.19	0.00
14.60	4.92	2.00	0.00	0.19	0.00	14.62	5.01	2.00	0.00	0.19	0.00
14.64	5.01	2.00	0.00	0.19	0.00	14.66	5.18	2.00	0.00	0.19	0.00
14.68	4.91	2.00	0.00	0.18	0.00	14.70	5.00	2.00	0.00	0.18	0.00
14.72	4.91	2.00	0.00	0.18	0.00	14.74	4.99	2.00	0.00	0.18	0.00
14.76	5.33	2.00	0.00	0.18	0.00	14.78	5.68	2.00	0.00	0.18	0.00
14.80	6.19	2.00	0.00	0.18	0.00	14.82	7.40	2.00	0.00	0.18	0.00
14.84	8.00	2.00	0.00	0.18	0.00	14.86	9.04	2.00	0.00	0.17	0.00
14.88	9.03	2.00	0.00	0.17	0.00	14.90	10.68	2.00	0.00	0.17	0.00
14.92	10.49	2.00	0.00	0.17	0.00	14.94	9.53	2.00	0.00	0.17	0.00
14.96	8.40	2.00	0.00	0.17	0.00	14.98	7.27	2.00	0.00	0.17	0.00
15.00	6.32	2.00	0.00	0.17	0.00	15.02	5.72	2.00	0.00	0.17	0.00
15.04	5.46	2.00	0.00	0.16	0.00	15.06	5.28	2.00	0.00	0.16	0.00
15.08	5.45	2.00	0.00	0.16	0.00	15.10	5.96	2.00	0.00	0.16	0.00
15.12	6.30	2.00	0.00	0.16	0.00	15.14	6.89	2.00	0.00	0.16	0.00
15.16	7.74	2.00	0.00	0.16	0.00	15.18	8.17	2.00	0.00	0.16	0.00
15.20	8.59	2.00	0.00	0.16	0.00	15.22	9.19	2.00	0.00	0.15	0.00
15.24	9.78	2.00	0.00	0.15	0.00	15.26	10.20	2.00	0.00	0.15	0.00
15.28	10.54	2.00	0.00	0.15	0.00	15.30	10.62	2.00	0.00	0.15	0.00
15.32	9.84	2.00	0.00	0.15	0.00	15.34	9.15	2.00	0.00	0.15	0.00
15.36	8.12	2.00	0.00	0.15	0.00	15.38	7.09	2.00	0.00	0.15	0.00
15.40	6.32	2.00	0.00	0.14	0.00	15.42	5.64	2.00	0.00	0.14	0.00
15.44	5.47	2.00	0.00	0.14	0.00	15.46	5.46	2.00	0.00	0.14	0.00
15.48	5.46	2.00	0.00	0.14	0.00	15.50	5.20	2.00	0.00	0.14	0.00
15.52	5.11	2.00	0.00	0.14	0.00	15.54	4.86	2.00	0.00	0.14	0.00
15.56	4.85	2.00	0.00	0.14	0.00	15.58	4.68	2.00	0.00	0.13	0.00
15.60	4.68	2.00	0.00	0.13	0.00	15.62	4.59	2.00	0.00	0.13	0.00
15.64	4.51	2.00	0.00	0.13	0.00	15.66	4.59	2.00	0.00	0.13	0.00
15.68	4.67	2.00	0.00	0.13	0.00	15.70	4.75	2.00	0.00	0.13	0.00
15.72	4.75	2.00	0.00	0.13	0.00	15.74	4.66	2.00	0.00	0.13	0.00
15.76	4.66	2.00	0.00	0.12	0.00	15.78	4.66	2.00	0.00	0.12	0.00
15.80	4.74	2.00	0.00	0.12	0.00	15.82	4.65	2.00	0.00	0.12	0.00
15.84	3.82	2.00	0.00	0.12	0.00	15.86	4.48	2.00	0.00	0.12	0.00
15.88	4.64	2.00	0.00	0.12	0.00	15.90	4.56	2.00	0.00	0.12	0.00
15.92	4.56	2.00	0.00	0.12	0.00	15.94	4.55	2.00	0.00	0.11	0.00
15.96	4.55	2.00	0.00	0.11	0.00	15.98	4.63	2.00	0.00	0.11	0.00
16.00	4.63	2.00	0.00	0.11	0.00	16.02	4.63	2.00	0.00	0.11	0.00
16.04	4.79	2.00	0.00	0.11	0.00	16.06	4.95	2.00	0.00	0.11	0.00
16.08	4.95	2.00	0.00	0.11	0.00	16.10	4.95	2.00	0.00	0.11	0.00
16.12	4.94	2.00	0.00	0.10	0.00	16.14	4.78	2.00	0.00	0.10	0.00
16.16	4.94	2.00	0.00	0.10	0.00	16.18	4.94	2.00	0.00	0.10	0.00
16.20	4.93	2.00	0.00	0.10	0.00	16.22	4.93	2.00	0.00	0.10	0.00
16.24	4.93	2.00	0.00	0.10	0.00	16.26	4.93	2.00	0.00	0.10	0.00
16.28	4.92	2.00	0.00	0.10	0.00	16.30	5.00	2.00	0.00	0.09	0.00
16.32	5.08	2.00	0.00	0.09	0.00	16.34	5.16	2.00	0.00	0.09	0.00
16.36	5.41	2.00	0.00	0.09	0.00	16.38	5.40	2.00	0.00	0.09	0.00
16.40	5.48	2.00	0.00	0.09	0.00	16.42	5.48	2.00	0.00	0.09	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
16.44	5.48	2.00	0.00	0.09	0.00	16.46	5.47	2.00	0.00	0.09	0.00
16.48	5.55	2.00	0.00	0.08	0.00	16.50	5.55	2.00	0.00	0.08	0.00
16.52	5.46	2.00	0.00	0.08	0.00	16.54	5.54	2.00	0.00	0.08	0.00
16.56	5.46	2.00	0.00	0.08	0.00	16.58	5.37	2.00	0.00	0.08	0.00
16.60	5.12	2.00	0.00	0.08	0.00	16.62	5.12	2.00	0.00	0.08	0.00
16.64	5.36	2.00	0.00	0.08	0.00	16.66	5.36	2.00	0.00	0.07	0.00
16.68	5.44	2.00	0.00	0.07	0.00	16.70	5.44	2.00	0.00	0.07	0.00
16.72	5.52	2.00	0.00	0.07	0.00	16.74	5.59	2.00	0.00	0.07	0.00
16.76	5.67	2.00	0.00	0.07	0.00	16.78	5.83	2.00	0.00	0.07	0.00
16.80	6.08	2.00	0.00	0.07	0.00	16.82	6.56	2.00	0.00	0.07	0.00
16.84	7.21	2.00	0.00	0.06	0.00	16.86	8.27	2.00	0.00	0.06	0.00
16.88	9.83	2.00	0.00	0.06	0.00	16.90	11.22	2.00	0.00	0.06	0.00
16.92	11.05	2.00	0.00	0.06	0.00	16.94	10.30	2.00	0.00	0.06	0.00
16.96	9.31	2.00	0.00	0.06	0.00	16.98	7.91	2.00	0.00	0.06	0.00
17.00	7.18	2.00	0.00	0.06	0.00	17.02	5.95	2.00	0.00	0.05	0.00
17.04	5.14	2.00	0.00	0.05	0.00	17.06	4.89	2.00	0.00	0.05	0.00
17.08	4.57	2.00	0.00	0.05	0.00	17.10	4.48	2.00	0.00	0.05	0.00
17.12	4.48	2.00	0.00	0.05	0.00	17.14	4.40	2.00	0.00	0.05	0.00
17.16	4.31	2.00	0.00	0.05	0.00	17.18	5.28	2.00	0.00	0.05	0.00
17.20	11.92	2.00	0.00	0.04	0.00	17.22	76.70	2.00	0.00	0.04	0.00
17.24	79.13	2.00	0.00	0.04	0.00	17.26	79.68	2.00	0.00	0.04	0.00
17.28	81.36	2.00	0.00	0.04	0.00	17.30	83.15	2.00	0.00	0.04	0.00
17.32	85.88	1.10	0.03	0.04	0.00	17.34	88.55	2.00	0.00	0.04	0.00
17.36	87.98	2.00	0.00	0.04	0.00	17.38	84.52	2.00	0.00	0.03	0.00
17.40	80.75	2.00	0.00	0.03	0.00	17.42	78.48	2.00	0.00	0.03	0.00
17.44	78.65	2.00	0.00	0.03	0.00	17.46	81.29	2.00	0.00	0.03	0.00
17.48	84.70	2.00	0.00	0.03	0.00	17.50	90.15	2.00	0.00	0.03	0.00
17.52	95.46	2.00	0.00	0.03	0.00	17.54	100.34	2.00	0.00	0.03	0.00
17.56	101.63	2.00	0.00	0.02	0.00	17.58	97.89	2.00	0.00	0.02	0.00
17.60	90.58	2.00	0.00	0.02	0.00	17.62	87.27	2.00	0.00	0.02	0.00
17.64	87.10	1.12	0.01	0.02	0.00	17.66	89.29	1.15	0.01	0.02	0.00
17.68	91.56	1.18	0.01	0.02	0.00	17.70	93.46	1.20	0.01	0.02	0.00
17.72	95.10	1.23	0.01	0.02	0.00	17.74	96.69	1.25	0.01	0.01	0.00
17.76	97.85	1.27	0.01	0.01	0.00	17.78	99.14	1.29	0.00	0.01	0.00
17.80	97.90	1.27	0.00	0.01	0.00	17.82	95.63	1.24	0.00	0.01	0.00
17.84	95.35	1.24	0.00	0.01	0.00	17.86	95.08	1.23	0.00	0.01	0.00
17.88	94.60	1.23	0.00	0.01	0.00	17.90	94.27	1.22	0.00	0.01	0.00
17.92	94.01	1.22	0.00	0.00	0.00	17.94	93.51	1.21	0.00	0.00	0.00
17.96	93.35	1.21	0.00	0.00	0.00	17.98	93.49	1.21	0.00	0.00	0.00
18.00	93.23	1.21	0.00	0.00	0.00	18.02	93.18	2.00	0.00	0.00	0.00
18.04	93.39	2.00	0.00	0.00	0.00	18.06	93.24	2.00	0.00	0.00	0.00
18.08	92.07	2.00	0.00	0.00	0.00	18.10	90.04	2.00	0.00	0.00	0.00
18.12	87.08	2.00	0.00	0.00	0.00	18.14	83.00	2.00	0.00	0.00	0.00
18.16	20.09	2.00	0.00	0.00	0.00	18.18	15.42	2.00	0.00	0.00	0.00
18.20	12.13	2.00	0.00	0.00	0.00	18.22	9.74	2.00	0.00	0.00	0.00
18.24	7.84	2.00	0.00	0.00	0.00	18.26	6.50	2.00	0.00	0.00	0.00
18.28	6.03	2.00	0.00	0.00	0.00	18.30	5.95	2.00	0.00	0.00	0.00
18.32	5.87	2.00	0.00	0.00	0.00	18.34	5.40	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
18.36	5.55	2.00	0.00	0.00	0.00	18.38	5.78	2.00	0.00	0.00	0.00
18.40	5.47	2.00	0.00	0.00	0.00	18.42	5.39	2.00	0.00	0.00	0.00
18.44	5.38	2.00	0.00	0.00	0.00	18.46	5.15	2.00	0.00	0.00	0.00
18.48	5.61	2.00	0.00	0.00	0.00	18.50	5.61	2.00	0.00	0.00	0.00
18.52	5.53	2.00	0.00	0.00	0.00	18.54	5.52	2.00	0.00	0.00	0.00
18.56	5.44	2.00	0.00	0.00	0.00	18.58	5.75	2.00	0.00	0.00	0.00
18.60	5.75	2.00	0.00	0.00	0.00	18.62	5.90	2.00	0.00	0.00	0.00
18.64	5.90	2.00	0.00	0.00	0.00	18.66	5.97	2.00	0.00	0.00	0.00
18.68	5.89	2.00	0.00	0.00	0.00	18.70	6.04	2.00	0.00	0.00	0.00
18.72	6.04	2.00	0.00	0.00	0.00	18.74	6.04	2.00	0.00	0.00	0.00
18.76	6.42	2.00	0.00	0.00	0.00	18.78	6.88	2.00	0.00	0.00	0.00
18.80	7.26	2.00	0.00	0.00	0.00	18.82	7.42	2.00	0.00	0.00	0.00
18.84	7.26	2.00	0.00	0.00	0.00	18.86	6.94	2.00	0.00	0.00	0.00
18.88	6.48	2.00	0.00	0.00	0.00	18.90	6.32	2.00	0.00	0.00	0.00
18.92	6.09	2.00	0.00	0.00	0.00	18.94	5.85	2.00	0.00	0.00	0.00
18.96	5.54	2.00	0.00	0.00	0.00	18.98	5.46	2.00	0.00	0.00	0.00
19.00	5.54	2.00	0.00	0.00	0.00	19.02	5.46	2.00	0.00	0.00	0.00
19.04	5.45	2.00	0.00	0.00	0.00	19.06	5.68	2.00	0.00	0.00	0.00
19.08	6.14	2.00	0.00	0.00	0.00	19.10	7.44	2.00	0.00	0.00	0.00
19.12	10.44	2.00	0.00	0.00	0.00	19.14	14.25	2.00	0.00	0.00	0.00
19.16	15.34	2.00	0.00	0.00	0.00	19.18	14.15	2.00	0.00	0.00	0.00
19.20	13.59	2.00	0.00	0.00	0.00	19.22	14.60	2.00	0.00	0.00	0.00
19.24	16.86	2.00	0.00	0.00	0.00	19.26	20.08	2.00	0.00	0.00	0.00
19.28	80.69	2.00	0.00	0.00	0.00	19.30	82.74	2.00	0.00	0.00	0.00
19.32	83.40	2.00	0.00	0.00	0.00	19.34	82.77	2.00	0.00	0.00	0.00
19.36	80.40	2.00	0.00	0.00	0.00	19.38	76.38	2.00	0.00	0.00	0.00
19.40	16.47	2.00	0.00	0.00	0.00	19.42	14.61	2.00	0.00	0.00	0.00
19.44	13.76	2.00	0.00	0.00	0.00	19.46	13.60	2.00	0.00	0.00	0.00
19.48	15.77	2.00	0.00	0.00	0.00	19.50	20.38	2.00	0.00	0.00	0.00
19.52	21.93	2.00	0.00	0.00	0.00	19.54	21.29	2.00	0.00	0.00	0.00
19.56	19.46	2.00	0.00	0.00	0.00	19.58	18.58	2.00	0.00	0.00	0.00
19.60	19.44	2.00	0.00	0.00	0.00	19.62	18.50	2.00	0.00	0.00	0.00
19.64	15.00	2.00	0.00	0.00	0.00	19.66	11.68	2.00	0.00	0.00	0.00
19.68	8.84	2.00	0.00	0.00	0.00	19.70	7.54	2.00	0.00	0.00	0.00
19.72	7.31	2.00	0.00	0.00	0.00	19.74	7.53	2.00	0.00	0.00	0.00
19.76	6.78	2.00	0.00	0.00	0.00	19.78	6.55	2.00	0.00	0.00	0.00
19.80	6.84	2.00	0.00	0.00	0.00	19.82	6.92	2.00	0.00	0.00	0.00
19.84	7.21	2.00	0.00	0.00	0.00	19.86	7.59	2.00	0.00	0.00	0.00
19.88	7.51	2.00	0.00	0.00	0.00	19.90	6.60	2.00	0.00	0.00	0.00
19.92	6.22	2.00	0.00	0.00	0.00	19.94	6.74	2.00	0.00	0.00	0.00
19.96	7.64	2.00	0.00	0.00	0.00	19.98	8.54	2.00	0.00	0.00	0.00
20.00	8.39	2.00	0.00	0.00	0.00	20.02	7.03	2.00	0.00	0.00	0.00
20.04	5.98	2.00	0.00	0.00	0.00	20.06	5.98	2.00	0.00	0.00	0.00
20.08	6.12	2.00	0.00	0.00	0.00	20.10	6.19	2.00	0.00	0.00	0.00
20.12	5.89	2.00	0.00	0.00	0.00	20.14	5.81	2.00	0.00	0.00	0.00
20.16	5.96	2.00	0.00	0.00	0.00	20.18	6.26	2.00	0.00	0.00	0.00
20.20	5.81	2.00	0.00	0.00	0.00	20.22	5.51	2.00	0.00	0.00	0.00
20.24	4.98	2.00	0.00	0.00	0.00	20.26	4.98	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
20.28	4.98	2.00	0.00	0.00	0.00	20.30	4.98	2.00	0.00	0.00	0.00
20.32	4.98	2.00	0.00	0.00	0.00	20.34	5.12	2.00	0.00	0.00	0.00
20.36	5.27	2.00	0.00	0.00	0.00	20.38	5.12	2.00	0.00	0.00	0.00
20.40	4.97	2.00	0.00	0.00	0.00	20.42	4.89	2.00	0.00	0.00	0.00
20.44	4.96	2.00	0.00	0.00	0.00	20.46	5.03	2.00	0.00	0.00	0.00
20.48	5.10	2.00	0.00	0.00	0.00	20.50	5.10	2.00	0.00	0.00	0.00
20.52	5.10	2.00	0.00	0.00	0.00	20.54	5.10	2.00	0.00	0.00	0.00
20.56	5.24	2.00	0.00	0.00	0.00	20.58	5.31	2.00	0.00	0.00	0.00
20.60	5.46	2.00	0.00	0.00	0.00	20.62	5.68	2.00	0.00	0.00	0.00
20.64	5.75	2.00	0.00	0.00	0.00	20.66	5.82	2.00	0.00	0.00	0.00
20.68	5.89	2.00	0.00	0.00	0.00	20.70	6.18	2.00	0.00	0.00	0.00
20.72	6.47	2.00	0.00	0.00	0.00	20.74	6.98	2.00	0.00	0.00	0.00
20.76	7.13	2.00	0.00	0.00	0.00	20.78	7.35	2.00	0.00	0.00	0.00
20.80	7.12	2.00	0.00	0.00	0.00	20.82	6.68	2.00	0.00	0.00	0.00
20.84	6.45	2.00	0.00	0.00	0.00	20.86	6.45	2.00	0.00	0.00	0.00
20.88	6.59	2.00	0.00	0.00	0.00	20.90	6.66	2.00	0.00	0.00	0.00
20.92	7.03	2.00	0.00	0.00	0.00	20.94	7.17	2.00	0.00	0.00	0.00
20.96	7.31	2.00	0.00	0.00	0.00	20.98	7.60	2.00	0.00	0.00	0.00
21.00	7.89	2.00	0.00	0.00	0.00	21.02	8.26	2.00	0.00	0.00	0.00
21.04	8.40	2.00	0.00	0.00	0.00	21.06	8.69	2.00	0.00	0.00	0.00
21.08	8.76	2.00	0.00	0.00	0.00	21.10	8.46	2.00	0.00	0.00	0.00
21.12	8.38	2.00	0.00	0.00	0.00	21.14	8.08	2.00	0.00	0.00	0.00
21.16	7.86	2.00	0.00	0.00	0.00	21.18	7.56	2.00	0.00	0.00	0.00
21.20	7.49	2.00	0.00	0.00	0.00	21.22	7.70	2.00	0.00	0.00	0.00
21.24	8.06	2.00	0.00	0.00	0.00	21.26	8.35	2.00	0.00	0.00	0.00
21.28	8.71	2.00	0.00	0.00	0.00	21.30	9.44	2.00	0.00	0.00	0.00
21.32	10.25	2.00	0.00	0.00	0.00	21.34	10.39	2.00	0.00	0.00	0.00
21.36	10.53	2.00	0.00	0.00	0.00	21.38	10.75	2.00	0.00	0.00	0.00
21.40	11.18	2.00	0.00	0.00	0.00	21.42	11.69	2.00	0.00	0.00	0.00
21.44	11.61	2.00	0.00	0.00	0.00	21.46	11.46	2.00	0.00	0.00	0.00
21.48	11.45	2.00	0.00	0.00	0.00	21.50	11.59	2.00	0.00	0.00	0.00
21.52	11.96	2.00	0.00	0.00	0.00	21.54	12.02	2.00	0.00	0.00	0.00
21.56	12.38	2.00	0.00	0.00	0.00	21.58	12.30	2.00	0.00	0.00	0.00
21.60	11.56	2.00	0.00	0.00	0.00	21.62	11.41	2.00	0.00	0.00	0.00
21.64	11.40	2.00	0.00	0.00	0.00	21.66	11.25	2.00	0.00	0.00	0.00
21.68	11.61	2.00	0.00	0.00	0.00	21.70	12.34	2.00	0.00	0.00	0.00
21.72	12.62	2.00	0.00	0.00	0.00	21.74	12.69	2.00	0.00	0.00	0.00
21.76	12.68	2.00	0.00	0.00	0.00	21.78	12.01	2.00	0.00	0.00	0.00
21.80	12.67	2.00	0.00	0.00	0.00	21.82	12.37	2.00	0.00	0.00	0.00
21.84	12.21	2.00	0.00	0.00	0.00	21.86	11.99	2.00	0.00	0.00	0.00
21.88	12.05	2.00	0.00	0.00	0.00	21.90	12.41	2.00	0.00	0.00	0.00
21.92	12.40	2.00	0.00	0.00	0.00	21.94	12.25	2.00	0.00	0.00	0.00
21.96	12.24	2.00	0.00	0.00	0.00	21.98	12.16	2.00	0.00	0.00	0.00
22.00	11.87	2.00	0.00	0.00	0.00	22.02	11.93	2.00	0.00	0.00	0.00
22.04	12.07	2.00	0.00	0.00	0.00	22.06	11.41	2.00	0.00	0.00	0.00
22.08	10.53	2.00	0.00	0.00	0.00	22.10	9.88	2.00	0.00	0.00	0.00
22.12	9.73	2.00	0.00	0.00	0.00	22.14	9.87	2.00	0.00	0.00	0.00
22.16	10.08	2.00	0.00	0.00	0.00	22.18	10.50	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
22.20	11.00	2.00	0.00	0.00	0.00	22.22	11.21	2.00	0.00	0.00	0.00
22.24	11.28	2.00	0.00	0.00	0.00	22.26	11.49	2.00	0.00	0.00	0.00
22.28	12.06	2.00	0.00	0.00	0.00	22.30	11.62	2.00	0.00	0.00	0.00
22.32	11.83	2.00	0.00	0.00	0.00	22.34	11.54	2.00	0.00	0.00	0.00
22.36	11.75	2.00	0.00	0.00	0.00	22.38	12.10	2.00	0.00	0.00	0.00
22.40	12.10	2.00	0.00	0.00	0.00	22.42	11.95	2.00	0.00	0.00	0.00
22.44	11.65	2.00	0.00	0.00	0.00	22.46	11.64	2.00	0.00	0.00	0.00
22.48	11.42	2.00	0.00	0.00	0.00	22.50	11.05	2.00	0.00	0.00	0.00
22.52	10.90	2.00	0.00	0.00	0.00	22.54	10.54	2.00	0.00	0.00	0.00
22.56	10.61	2.00	0.00	0.00	0.00	22.58	11.03	2.00	0.00	0.00	0.00
22.60	11.17	2.00	0.00	0.00	0.00	22.62	11.02	2.00	0.00	0.00	0.00
22.64	11.01	2.00	0.00	0.00	0.00	22.66	11.08	2.00	0.00	0.00	0.00
22.68	11.43	2.00	0.00	0.00	0.00	22.70	11.64	2.00	0.00	0.00	0.00
22.72	12.27	2.00	0.00	0.00	0.00	22.74	12.34	2.00	0.00	0.00	0.00
22.76	12.26	2.00	0.00	0.00	0.00	22.78	12.76	2.00	0.00	0.00	0.00
22.80	12.75	2.00	0.00	0.00	0.00	22.82	12.89	2.00	0.00	0.00	0.00
22.84	12.81	2.00	0.00	0.00	0.00	22.86	12.66	2.00	0.00	0.00	0.00
22.88	12.65	2.00	0.00	0.00	0.00	22.90	12.43	2.00	0.00	0.00	0.00
22.92	13.06	2.00	0.00	0.00	0.00	22.94	13.49	2.00	0.00	0.00	0.00
22.96	13.62	2.00	0.00	0.00	0.00	22.98	13.62	2.00	0.00	0.00	0.00
23.00	13.75	2.00	0.00	0.00	0.00	23.02	13.89	2.00	0.00	0.00	0.00
23.04	14.02	2.00	0.00	0.00	0.00	23.06	13.44	2.00	0.00	0.00	0.00
23.08	12.58	2.00	0.00	0.00	0.00	23.10	11.72	2.00	0.00	0.00	0.00
23.12	11.01	2.00	0.00	0.00	0.00	23.14	10.65	2.00	0.00	0.00	0.00
23.16	10.64	2.00	0.00	0.00	0.00	23.18	10.64	2.00	0.00	0.00	0.00
23.20	11.41	2.00	0.00	0.00	0.00	23.22	11.47	2.00	0.00	0.00	0.00
23.24	11.39	2.00	0.00	0.00	0.00	23.26	11.32	2.00	0.00	0.00	0.00
23.28	11.45	2.00	0.00	0.00	0.00	23.30	11.37	2.00	0.00	0.00	0.00
23.32	11.16	2.00	0.00	0.00	0.00	23.34	10.94	2.00	0.00	0.00	0.00
23.36	11.64	2.00	0.00	0.00	0.00	23.38	11.98	2.00	0.00	0.00	0.00
23.40	11.98	2.00	0.00	0.00	0.00	23.42	11.69	2.00	0.00	0.00	0.00
23.44	11.40	2.00	0.00	0.00	0.00	23.46	11.54	2.00	0.00	0.00	0.00
23.48	11.74	2.00	0.00	0.00	0.00	23.50	12.09	2.00	0.00	0.00	0.00
23.52	12.43	2.00	0.00	0.00	0.00	23.54	12.71	2.00	0.00	0.00	0.00
23.56	12.42	2.00	0.00	0.00	0.00	23.58	12.27	2.00	0.00	0.00	0.00
23.60	11.70	2.00	0.00	0.00	0.00	23.62	11.56	2.00	0.00	0.00	0.00
23.64	11.27	2.00	0.00	0.00	0.00	23.66	11.20	2.00	0.00	0.00	0.00
23.68	10.84	2.00	0.00	0.00	0.00	23.70	10.49	2.00	0.00	0.00	0.00
23.72	10.62	2.00	0.00	0.00	0.00	23.74	10.83	2.00	0.00	0.00	0.00
23.76	5.94	2.00	0.00	0.00	0.00	23.78	11.51	2.00	0.00	0.00	0.00
23.80	11.64	2.00	0.00	0.00	0.00	23.82	11.92	2.00	0.00	0.00	0.00
23.84	11.70	2.00	0.00	0.00	0.00	23.86	11.70	2.00	0.00	0.00	0.00
23.88	11.62	2.00	0.00	0.00	0.00	23.90	11.48	2.00	0.00	0.00	0.00
23.92	11.47	2.00	0.00	0.00	0.00	23.94	11.46	2.00	0.00	0.00	0.00
23.96	11.67	2.00	0.00	0.00	0.00	23.98	12.15	2.00	0.00	0.00	0.00
24.00	11.86	2.00	0.00	0.00	0.00	24.02	11.93	2.00	0.00	0.00	0.00
24.04	11.64	2.00	0.00	0.00	0.00	24.06	10.74	2.00	0.00	0.00	0.00
24.08	9.77	2.00	0.00	0.00	0.00	24.10	8.74	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
24.12	8.32	2.00	0.00	0.00	0.00	24.14	8.32	2.00	0.00	0.00	0.00
24.16	8.25	2.00	0.00	0.00	0.00	24.18	8.24	2.00	0.00	0.00	0.00
24.20	8.37	2.00	0.00	0.00	0.00	24.22	8.51	2.00	0.00	0.00	0.00
24.24	8.91	2.00	0.00	0.00	0.00	24.26	9.31	2.00	0.00	0.00	0.00
24.28	9.58	2.00	0.00	0.00	0.00	24.30	10.13	2.00	0.00	0.00	0.00
24.32	9.92	2.00	0.00	0.00	0.00	24.34	10.12	2.00	0.00	0.00	0.00
24.36	10.38	2.00	0.00	0.00	0.00	24.38	10.58	2.00	0.00	0.00	0.00
24.40	10.65	2.00	0.00	0.00	0.00	24.42	10.92	2.00	0.00	0.00	0.00
24.44	11.12	2.00	0.00	0.00	0.00	24.46	11.45	2.00	0.00	0.00	0.00
24.48	11.38	2.00	0.00	0.00	0.00	24.50	10.96	2.00	0.00	0.00	0.00
24.52	11.30	2.00	0.00	0.00	0.00	24.54	10.95	2.00	0.00	0.00	0.00
24.56	10.54	2.00	0.00	0.00	0.00	24.58	9.99	2.00	0.00	0.00	0.00
24.60	9.44	2.00	0.00	0.00	0.00	24.62	8.76	2.00	0.00	0.00	0.00
24.64	8.48	2.00	0.00	0.00	0.00	24.66	8.41	2.00	0.00	0.00	0.00
24.68	8.48	2.00	0.00	0.00	0.00	24.70	8.47	2.00	0.00	0.00	0.00
24.72	8.47	2.00	0.00	0.00	0.00	24.74	8.60	2.00	0.00	0.00	0.00
24.76	8.19	2.00	0.00	0.00	0.00	24.78	8.66	2.00	0.00	0.00	0.00
24.80	8.79	2.00	0.00	0.00	0.00	24.82	8.85	2.00	0.00	0.00	0.00
24.84	8.84	2.00	0.00	0.00	0.00	24.86	8.77	2.00	0.00	0.00	0.00
24.88	9.10	2.00	0.00	0.00	0.00	24.90	8.90	2.00	0.00	0.00	0.00
24.92	8.76	2.00	0.00	0.00	0.00	24.94	8.76	2.00	0.00	0.00	0.00
24.96	8.75	2.00	0.00	0.00	0.00	24.98	8.75	2.00	0.00	0.00	0.00
25.00	8.94	2.00	0.00	0.00	0.00	25.02	9.48	2.00	0.00	0.00	0.00
25.04	10.08	2.00	0.00	0.00	0.00	25.06	10.48	2.00	0.00	0.00	0.00
25.08	11.01	2.00	0.00	0.00	0.00	25.10	11.00	2.00	0.00	0.00	0.00
25.12	10.93	2.00	0.00	0.00	0.00	25.14	10.93	2.00	0.00	0.00	0.00
25.16	11.26	2.00	0.00	0.00	0.00	25.18	11.19	2.00	0.00	0.00	0.00
25.20	10.98	2.00	0.00	0.00	0.00	25.22	10.90	2.00	0.00	0.00	0.00
25.24	10.76	2.00	0.00	0.00	0.00	25.26	10.15	2.00	0.00	0.00	0.00
25.28	9.75	2.00	0.00	0.00	0.00	25.30	9.54	2.00	0.00	0.00	0.00
25.32	9.27	2.00	0.00	0.00	0.00	25.34	8.93	2.00	0.00	0.00	0.00
25.36	8.93	2.00	0.00	0.00	0.00	25.38	9.06	2.00	0.00	0.00	0.00
25.40	9.12	2.00	0.00	0.00	0.00	25.42	9.05	2.00	0.00	0.00	0.00
25.44	8.91	2.00	0.00	0.00	0.00	25.46	8.38	2.00	0.00	0.00	0.00
25.48	7.98	2.00	0.00	0.00	0.00	25.50	7.25	2.00	0.00	0.00	0.00
25.52	6.73	2.00	0.00	0.00	0.00	25.54	6.40	2.00	0.00	0.00	0.00
25.56	6.91	2.00	0.00	0.00	0.00	25.58	7.83	2.00	0.00	0.00	0.00
25.60	8.55	2.00	0.00	0.00	0.00	25.62	9.54	2.00	0.00	0.00	0.00
25.64	10.19	2.00	0.00	0.00	0.00	25.66	10.39	2.00	0.00	0.00	0.00
25.68	10.25	2.00	0.00	0.00	0.00	25.70	9.91	2.00	0.00	0.00	0.00
25.72	9.58	2.00	0.00	0.00	0.00	25.74	9.38	2.00	0.00	0.00	0.00
25.76	9.04	2.00	0.00	0.00	0.00	25.78	8.91	2.00	0.00	0.00	0.00
25.80	8.44	2.00	0.00	0.00	0.00	25.82	7.59	2.00	0.00	0.00	0.00
25.84	7.26	2.00	0.00	0.00	0.00	25.86	8.04	2.00	0.00	0.00	0.00
25.88	8.82	2.00	0.00	0.00	0.00	25.90	9.74	2.00	0.00	0.00	0.00
25.92	10.26	2.00	0.00	0.00	0.00	25.94	10.26	2.00	0.00	0.00	0.00
25.96	10.32	2.00	0.00	0.00	0.00	25.98	9.98	2.00	0.00	0.00	0.00
26.00	9.98	2.00	0.00	0.00	0.00	26.02	10.30	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
26.04	10.70	2.00	0.00	0.00	0.00	26.06	10.89	2.00	0.00	0.00	0.00
26.08	10.69	2.00	0.00	0.00	0.00	26.10	10.02	2.00	0.00	0.00	0.00
26.12	9.43	2.00	0.00	0.00	0.00	26.14	9.03	2.00	0.00	0.00	0.00
26.16	8.57	2.00	0.00	0.00	0.00	26.18	8.24	2.00	0.00	0.00	0.00
26.20	7.85	2.00	0.00	0.00	0.00	26.22	7.26	2.00	0.00	0.00	0.00
26.24	7.00	2.00	0.00	0.00	0.00	26.26	7.06	2.00	0.00	0.00	0.00
26.28	7.96	2.00	0.00	0.00	0.00	26.30	7.89	2.00	0.00	0.00	0.00
26.32	7.25	2.00	0.00	0.00	0.00	26.34	6.34	2.00	0.00	0.00	0.00
26.36	5.57	2.00	0.00	0.00	0.00	26.38	5.57	2.00	0.00	0.00	0.00
26.40	5.89	2.00	0.00	0.00	0.00	26.42	6.40	2.00	0.00	0.00	0.00
26.44	7.42	2.00	0.00	0.00	0.00	26.46	7.55	2.00	0.00	0.00	0.00
26.48	6.84	2.00	0.00	0.00	0.00	26.50	6.07	2.00	0.00	0.00	0.00
26.52	5.87	2.00	0.00	0.00	0.00	26.54	6.06	2.00	0.00	0.00	0.00
26.56	6.44	2.00	0.00	0.00	0.00	26.58	6.70	2.00	0.00	0.00	0.00
26.60	7.08	2.00	0.00	0.00	0.00	26.62	7.33	2.00	0.00	0.00	0.00
26.64	7.39	2.00	0.00	0.00	0.00	26.66	7.52	2.00	0.00	0.00	0.00
26.68	7.58	2.00	0.00	0.00	0.00	26.70	7.71	2.00	0.00	0.00	0.00
26.72	7.83	2.00	0.00	0.00	0.00	26.74	3.90	2.00	0.00	0.00	0.00
26.76	8.28	2.00	0.00	0.00	0.00	26.78	8.40	2.00	0.00	0.00	0.00
26.80	8.59	2.00	0.00	0.00	0.00	26.82	8.59	2.00	0.00	0.00	0.00
26.84	8.78	2.00	0.00	0.00	0.00	26.86	9.03	2.00	0.00	0.00	0.00
26.88	9.16	2.00	0.00	0.00	0.00	26.90	9.48	2.00	0.00	0.00	0.00
26.92	9.73	2.00	0.00	0.00	0.00	26.94	9.92	2.00	0.00	0.00	0.00
26.96	10.17	2.00	0.00	0.00	0.00	26.98	10.49	2.00	0.00	0.00	0.00
27.00	10.68	2.00	0.00	0.00	0.00	27.02	11.40	2.00	0.00	0.00	0.00
27.04	11.98	2.00	0.00	0.00	0.00	27.06	11.78	2.00	0.00	0.00	0.00
27.08	11.64	2.00	0.00	0.00	0.00	27.10	11.31	2.00	0.00	0.00	0.00
27.12	10.98	2.00	0.00	0.00	0.00	27.14	10.20	2.00	0.00	0.00	0.00
27.16	10.06	2.00	0.00	0.00	0.00	27.18	9.67	2.00	0.00	0.00	0.00
27.20	9.41	2.00	0.00	0.00	0.00	27.22	9.73	2.00	0.00	0.00	0.00
27.24	9.28	2.00	0.00	0.00	0.00	27.26	8.89	2.00	0.00	0.00	0.00
27.28	8.95	2.00	0.00	0.00	0.00	27.30	8.94	2.00	0.00	0.00	0.00
27.32	8.75	2.00	0.00	0.00	0.00	27.34	9.38	2.00	0.00	0.00	0.00
27.36	9.19	2.00	0.00	0.00	0.00	27.38	8.48	2.00	0.00	0.00	0.00
27.40	8.16	2.00	0.00	0.00	0.00	27.42	7.59	2.00	0.00	0.00	0.00
27.44	7.02	2.00	0.00	0.00	0.00	27.46	6.95	2.00	0.00	0.00	0.00
27.48	7.07	2.00	0.00	0.00	0.00	27.50	7.32	2.00	0.00	0.00	0.00
27.52	8.52	2.00	0.00	0.00	0.00	27.54	9.60	2.00	0.00	0.00	0.00
27.56	9.66	2.00	0.00	0.00	0.00	27.58	9.66	2.00	0.00	0.00	0.00
27.60	9.40	2.00	0.00	0.00	0.00	27.62	9.27	2.00	0.00	0.00	0.00
27.64	8.82	2.00	0.00	0.00	0.00	27.66	8.69	2.00	0.00	0.00	0.00
27.68	9.07	2.00	0.00	0.00	0.00	27.70	8.87	2.00	0.00	0.00	0.00
27.72	9.18	2.00	0.00	0.00	0.00	27.74	8.74	2.00	0.00	0.00	0.00
27.76	10.39	2.00	0.00	0.00	0.00	27.78	9.94	2.00	0.00	0.00	0.00
27.80	9.17	2.00	0.00	0.00	0.00	27.82	9.23	2.00	0.00	0.00	0.00
27.84	10.31	2.00	0.00	0.00	0.00	27.86	11.13	2.00	0.00	0.00	0.00
27.88	10.62	2.00	0.00	0.00	0.00	27.90	8.90	2.00	0.00	0.00	0.00
27.92	8.08	2.00	0.00	0.00	0.00	27.94	8.01	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

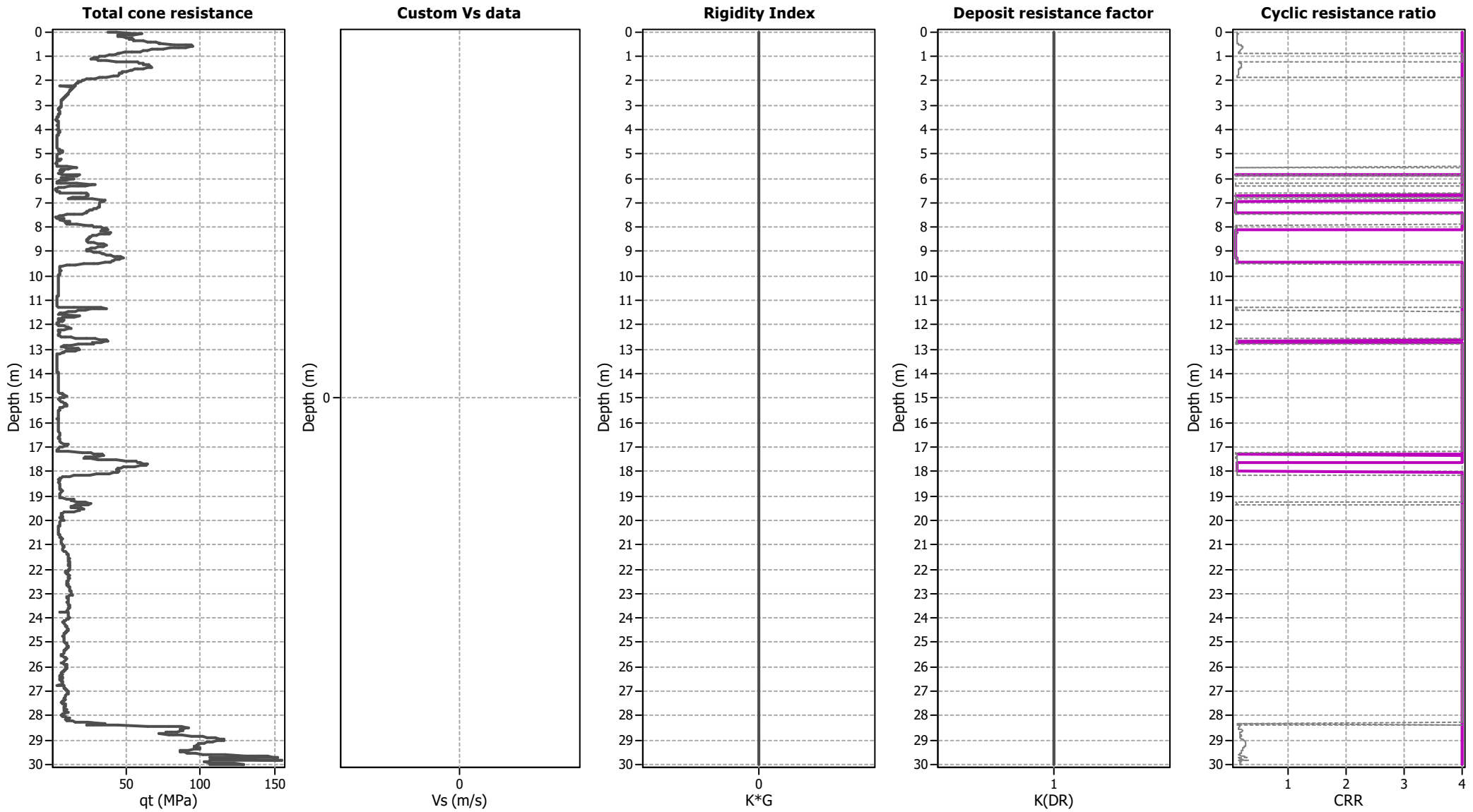
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
27.96	7.63	2.00	0.00	0.00	0.00	27.98	7.25	2.00	0.00	0.00	0.00
28.00	7.31	2.00	0.00	0.00	0.00	28.02	7.81	2.00	0.00	0.00	0.00
28.04	8.68	2.00	0.00	0.00	0.00	28.06	9.75	2.00	0.00	0.00	0.00
28.08	11.02	2.00	0.00	0.00	0.00	28.10	11.78	2.00	0.00	0.00	0.00
28.12	12.55	2.00	0.00	0.00	0.00	28.14	11.39	2.00	0.00	0.00	0.00
28.16	10.56	2.00	0.00	0.00	0.00	28.18	9.35	2.00	0.00	0.00	0.00
28.20	10.93	2.00	0.00	0.00	0.00	28.22	14.72	2.00	0.00	0.00	0.00
28.24	16.27	2.00	0.00	0.00	0.00	28.26	19.26	2.00	0.00	0.00	0.00
28.28	24.41	2.00	0.00	0.00	0.00	28.30	94.22	2.00	0.00	0.00	0.00
28.32	96.66	2.00	0.00	0.00	0.00	28.34	88.27	2.00	0.00	0.00	0.00
28.36	24.29	2.00	0.00	0.00	0.00	28.38	87.61	2.00	0.00	0.00	0.00
28.40	104.15	2.00	0.00	0.00	0.00	28.42	122.36	2.00	0.00	0.00	0.00
28.44	126.03	2.00	0.00	0.00	0.00	28.46	121.66	2.00	0.00	0.00	0.00
28.48	110.43	2.00	0.00	0.00	0.00	28.50	105.51	2.00	0.00	0.00	0.00
28.52	106.29	2.00	0.00	0.00	0.00	28.54	114.14	2.00	0.00	0.00	0.00
28.56	124.30	2.00	0.00	0.00	0.00	28.58	132.81	2.00	0.00	0.00	0.00
28.60	137.99	2.00	0.00	0.00	0.00	28.62	139.14	2.00	0.00	0.00	0.00
28.64	136.83	2.00	0.00	0.00	0.00	28.66	132.44	2.00	0.00	0.00	0.00
28.68	128.10	2.00	0.00	0.00	0.00	28.70	125.00	2.00	0.00	0.00	0.00
28.72	126.44	2.00	0.00	0.00	0.00	28.74	120.01	2.00	0.00	0.00	0.00
28.76	126.36	2.00	0.00	0.00	0.00	28.78	126.43	2.00	0.00	0.00	0.00
28.80	128.85	2.00	0.00	0.00	0.00	28.82	129.67	2.00	0.00	0.00	0.00
28.84	127.18	2.00	0.00	0.00	0.00	28.86	123.67	2.00	0.00	0.00	0.00
28.88	121.83	2.00	0.00	0.00	0.00	28.90	122.06	2.00	0.00	0.00	0.00
28.92	124.27	2.00	0.00	0.00	0.00	28.94	127.89	2.00	0.00	0.00	0.00
28.96	133.01	2.00	0.00	0.00	0.00	28.98	137.73	2.00	0.00	0.00	0.00
29.00	141.60	2.00	0.00	0.00	0.00	29.02	144.26	2.00	0.00	0.00	0.00
29.04	145.73	2.00	0.00	0.00	0.00	29.06	146.91	2.00	0.00	0.00	0.00
29.08	148.07	2.00	0.00	0.00	0.00	29.10	148.70	2.00	0.00	0.00	0.00
29.12	149.11	2.00	0.00	0.00	0.00	29.14	148.33	2.00	0.00	0.00	0.00
29.16	147.68	2.00	0.00	0.00	0.00	29.18	148.02	2.00	0.00	0.00	0.00
29.20	148.25	2.00	0.00	0.00	0.00	29.22	147.97	2.00	0.00	0.00	0.00
29.24	146.85	2.00	0.00	0.00	0.00	29.26	144.37	2.00	0.00	0.00	0.00
29.28	142.20	2.00	0.00	0.00	0.00	29.30	140.95	2.00	0.00	0.00	0.00
29.32	139.34	2.00	0.00	0.00	0.00	29.34	137.19	2.00	0.00	0.00	0.00
29.36	135.81	2.00	0.00	0.00	0.00	29.38	135.81	2.00	0.00	0.00	0.00
29.40	135.36	2.00	0.00	0.00	0.00	29.42	135.08	2.00	0.00	0.00	0.00
29.44	134.30	2.00	0.00	0.00	0.00	29.46	134.28	2.00	0.00	0.00	0.00
29.48	133.24	2.00	0.00	0.00	0.00	29.50	132.66	2.00	0.00	0.00	0.00
29.52	130.98	2.00	0.00	0.00	0.00	29.54	128.00	2.00	0.00	0.00	0.00
29.56	123.95	2.00	0.00	0.00	0.00	29.58	117.98	2.00	0.00	0.00	0.00
29.60	112.63	2.00	0.00	0.00	0.00	29.62	117.20	2.00	0.00	0.00	0.00
29.64	129.38	2.00	0.00	0.00	0.00	29.66	139.41	2.00	0.00	0.00	0.00
29.68	145.25	2.00	0.00	0.00	0.00	29.70	148.52	2.00	0.00	0.00	0.00
29.72	151.28	2.00	0.00	0.00	0.00	29.74	106.38	2.00	0.00	0.00	0.00
29.76	118.37	2.00	0.00	0.00	0.00	29.78	128.75	2.00	0.00	0.00	0.00
29.80	141.50	2.00	0.00	0.00	0.00	29.82	154.42	2.00	0.00	0.00	0.00
29.84	107.59	2.00	0.00	0.00	0.00	29.86	128.77	2.00	0.00	0.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
29.88	131.63	2.00	0.00	0.00	0.00	29.90	126.82	2.00	0.00	0.00	0.00
29.92	124.68	2.00	0.00	0.00	0.00	29.94	118.73	2.00	0.00	0.00	0.00
29.96	122.88	2.00	0.00	0.00	0.00	29.98	132.58	2.00	0.00	0.00	0.00
30.00	119.09	2.00	0.00	0.00	0.00						
Total estimated settlement: 3.79											

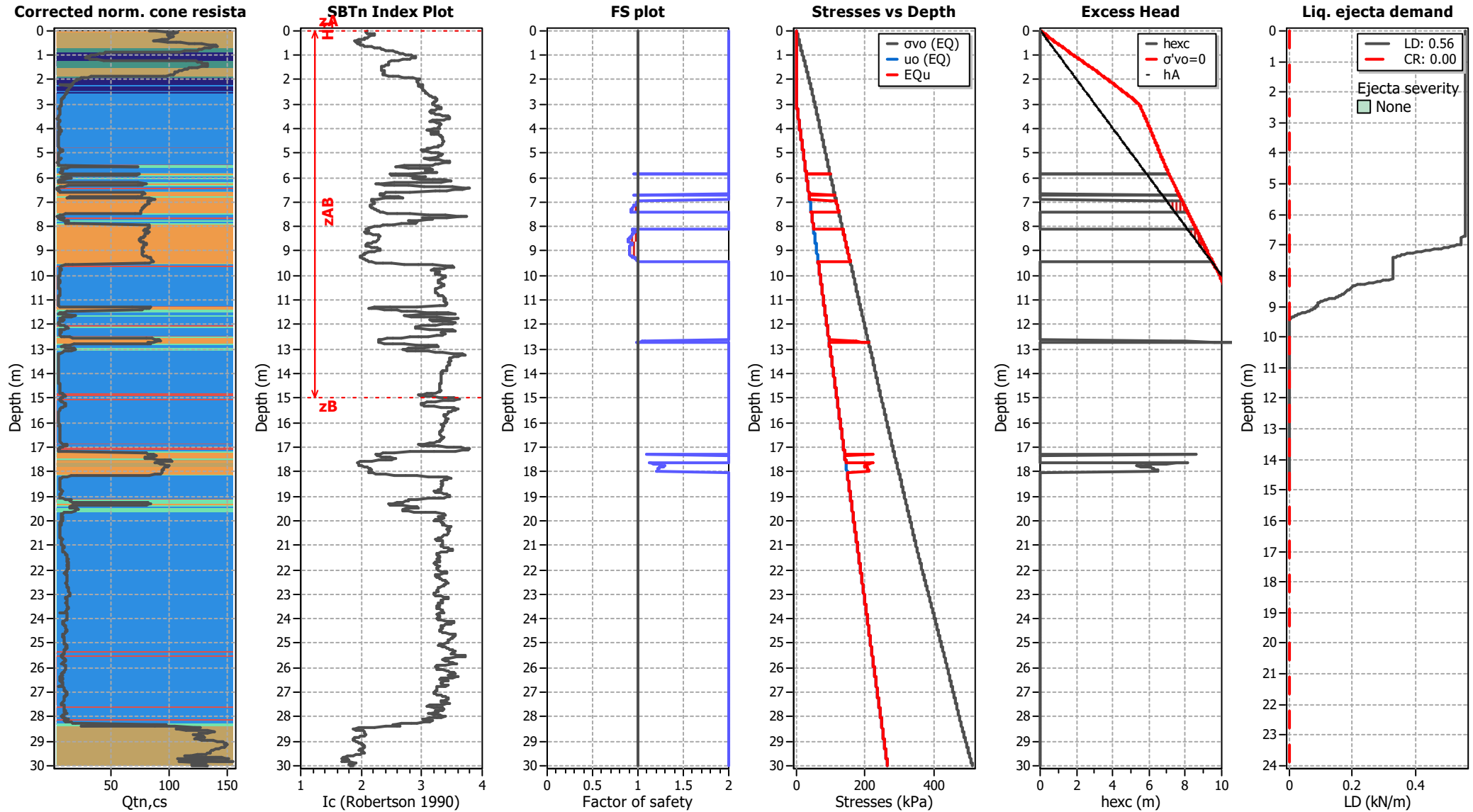
Abbreviations

Q_{tn,cs}: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumetric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

Aging Calculation Estimation

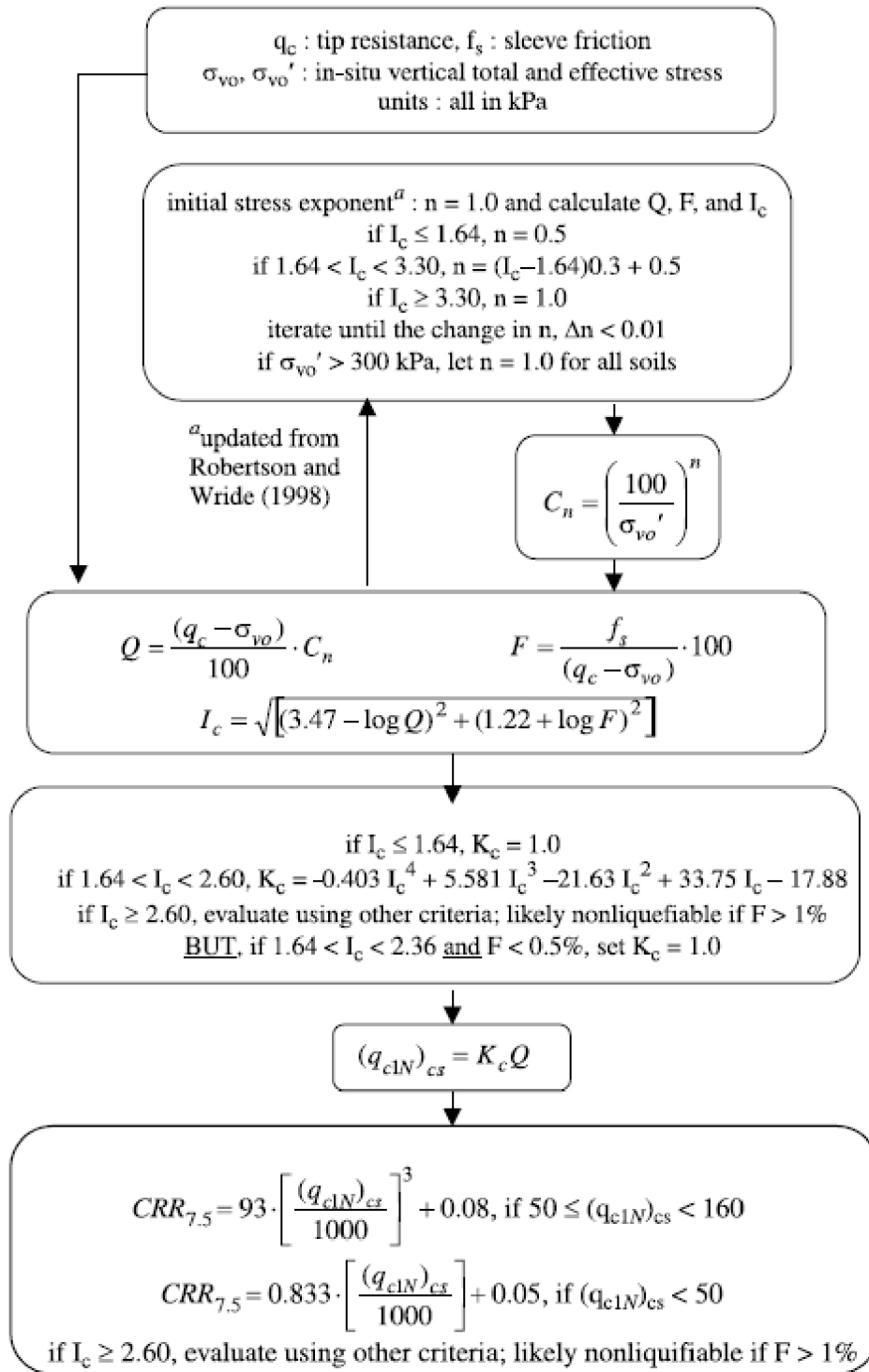


Ejecta Severity Estimation



Procedure for the evaluation of soil liquefaction resistance, NCEER (1998)

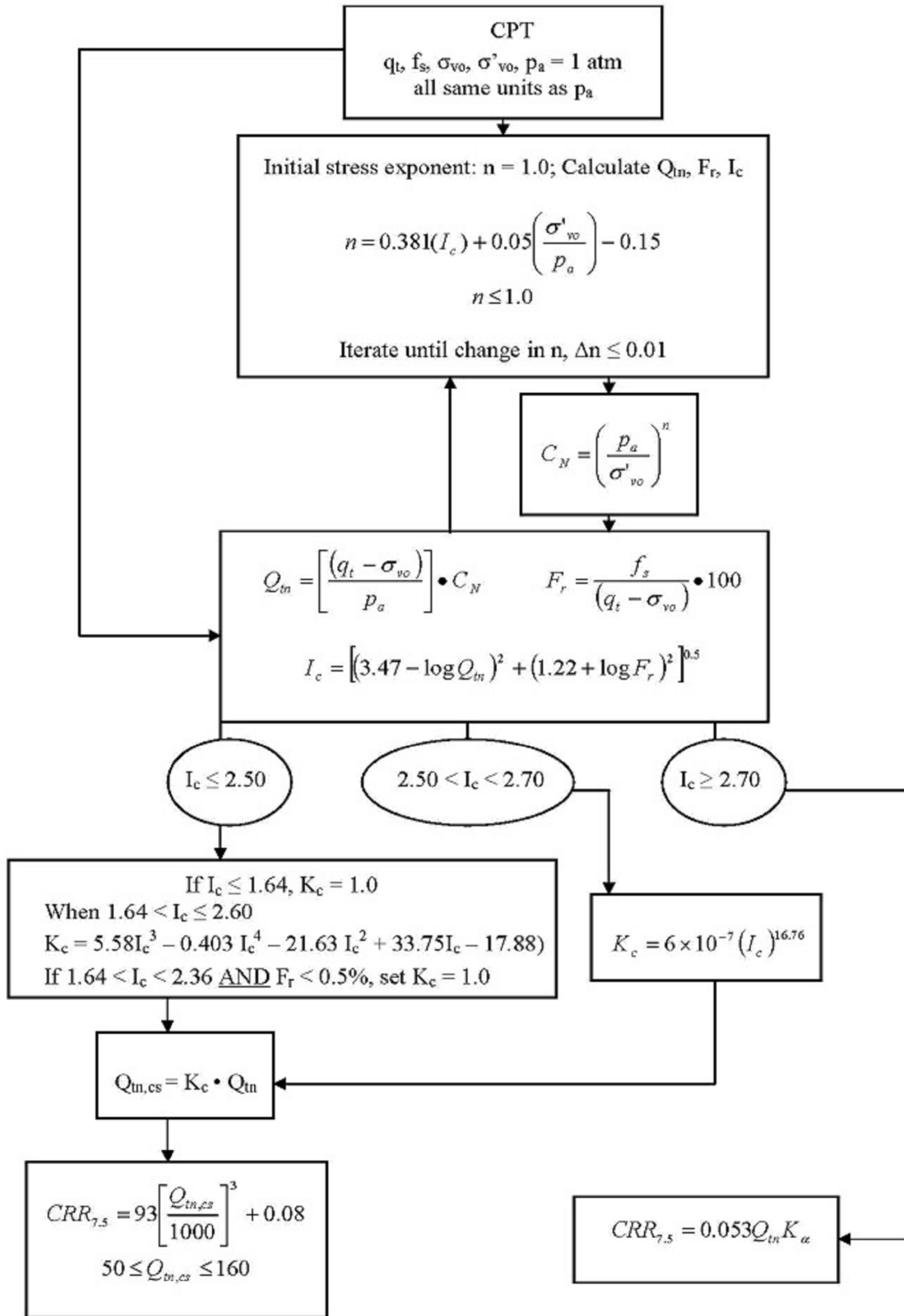
Calculation of soil resistance against liquefaction is performed according to the Robertson & Wride (1998) procedure. The procedure used in the software, slightly differs from the one originally published in NCEER-97-0022 (Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils). The revised procedure is presented below in the form of a flowchart¹:



¹ "Estimating liquefaction-induced ground settlements from CPT for level ground", G. Zhang, P.K. Robertson, and R.W.I. Brachman

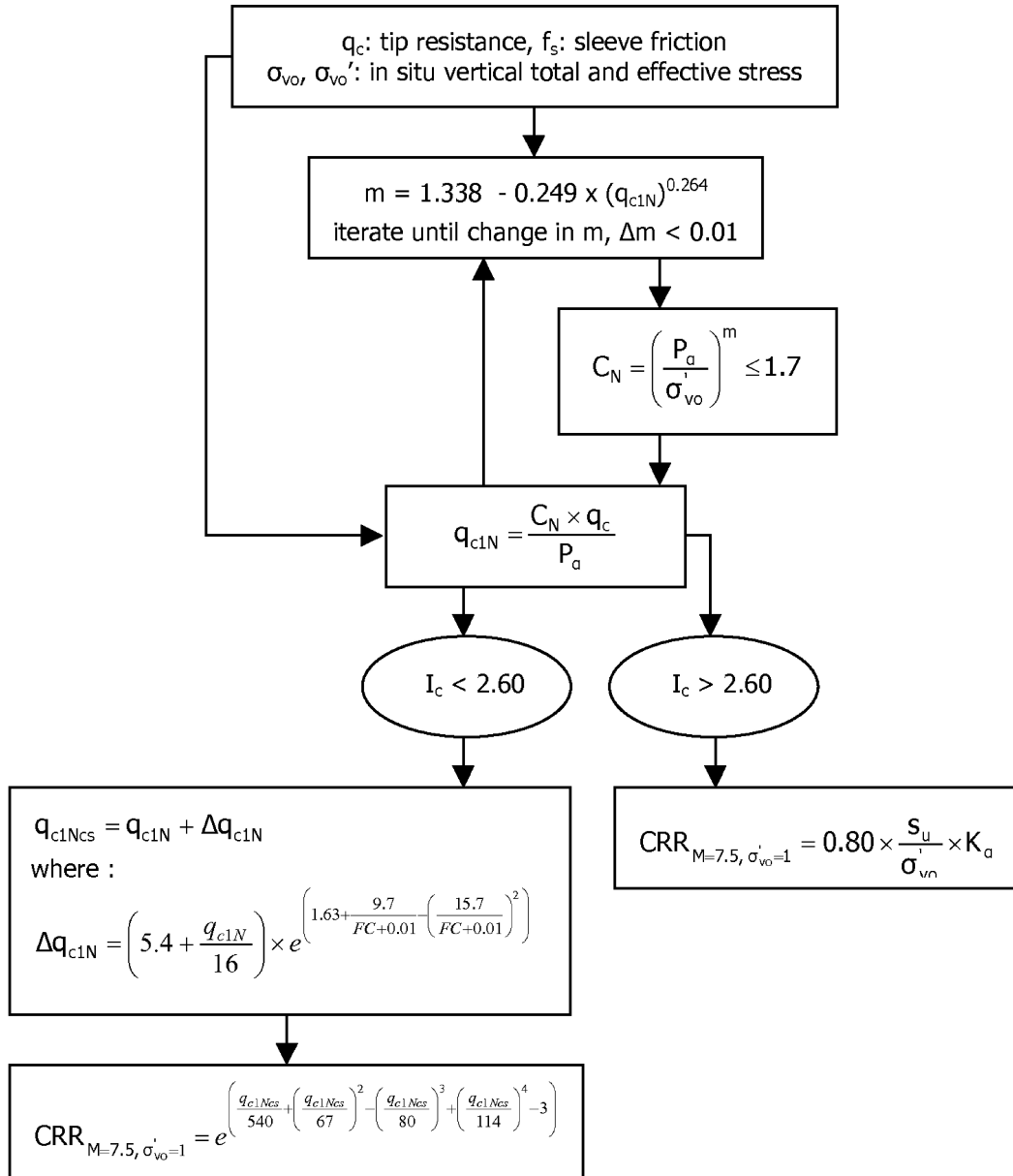
Procedure for the evaluation of soil liquefaction resistance (all soils), Robertson (2010)

Calculation of soil resistance against liquefaction is performed according to the Robertson & Wride (1998) procedure. This procedure used in the software, slightly differs from the one originally published in NCEER-97-0022 (Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils). The revised procedure is presented below in the form of a flowchart¹:

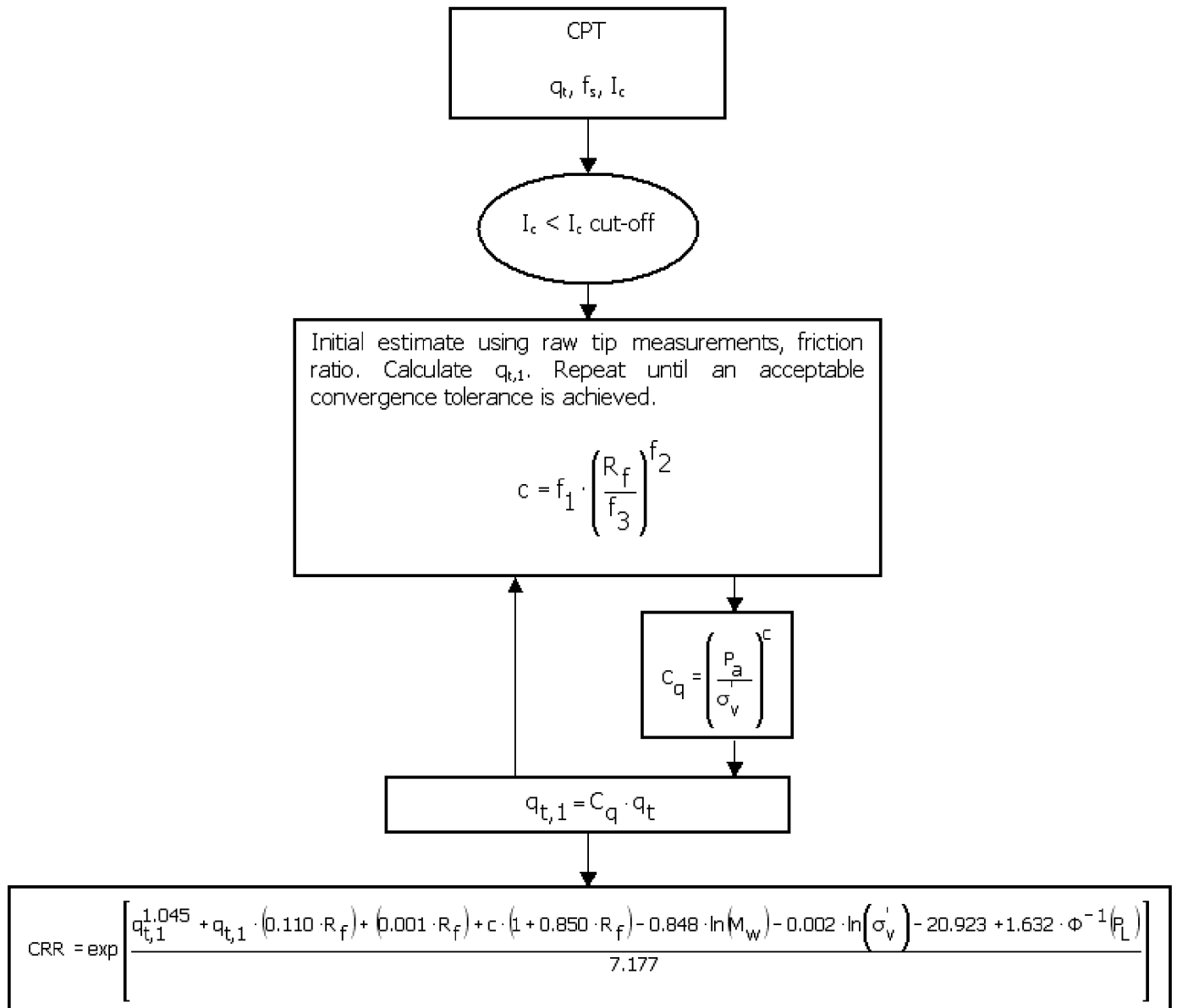


¹ P.K. Robertson, 2009. "Performance based earthquake design using the CPT", Keynote Lecture, International Conference on Performance-based Design in Earthquake Geotechnical Engineering – from case history to practice, IS-Tokyo, June 2009

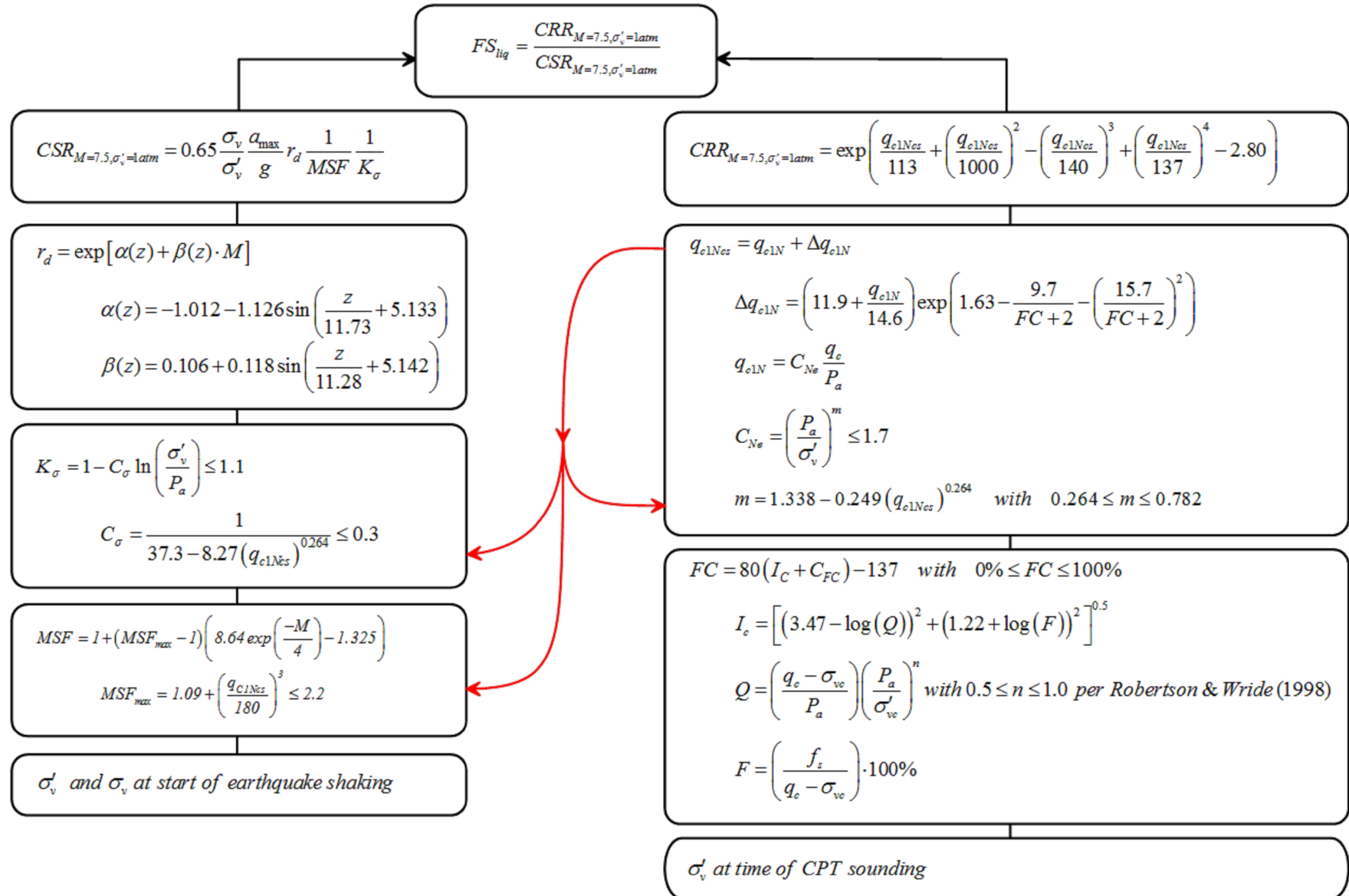
Procedure for the evaluation of soil liquefaction resistance, Idriss & Boulanger (2008)



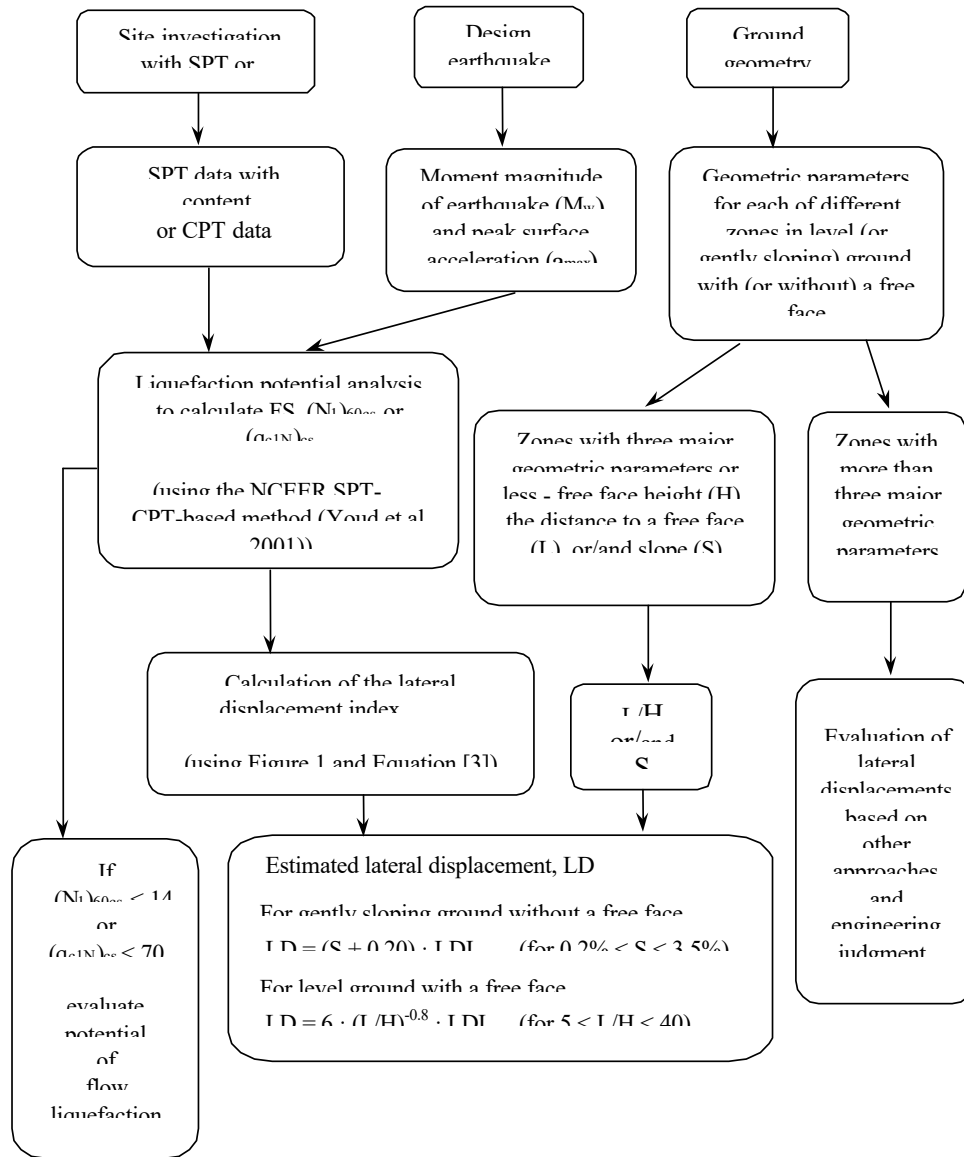
Procedure for the evaluation of soil liquefaction resistance (sandy soils), Moss et al. (2006)



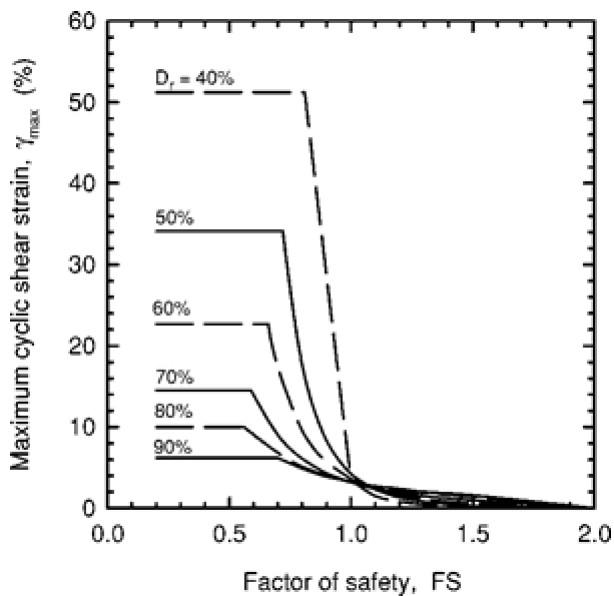
Procedure for the evaluation of soil liquefaction resistance, Boulanger & Idriss(2014)



Procedure for the evaluation of liquefaction-induced lateral spreading displacements



¹ Flow chart illustrating major steps in estimating liquefaction-induced lateral spreading displacements using the proposed approach



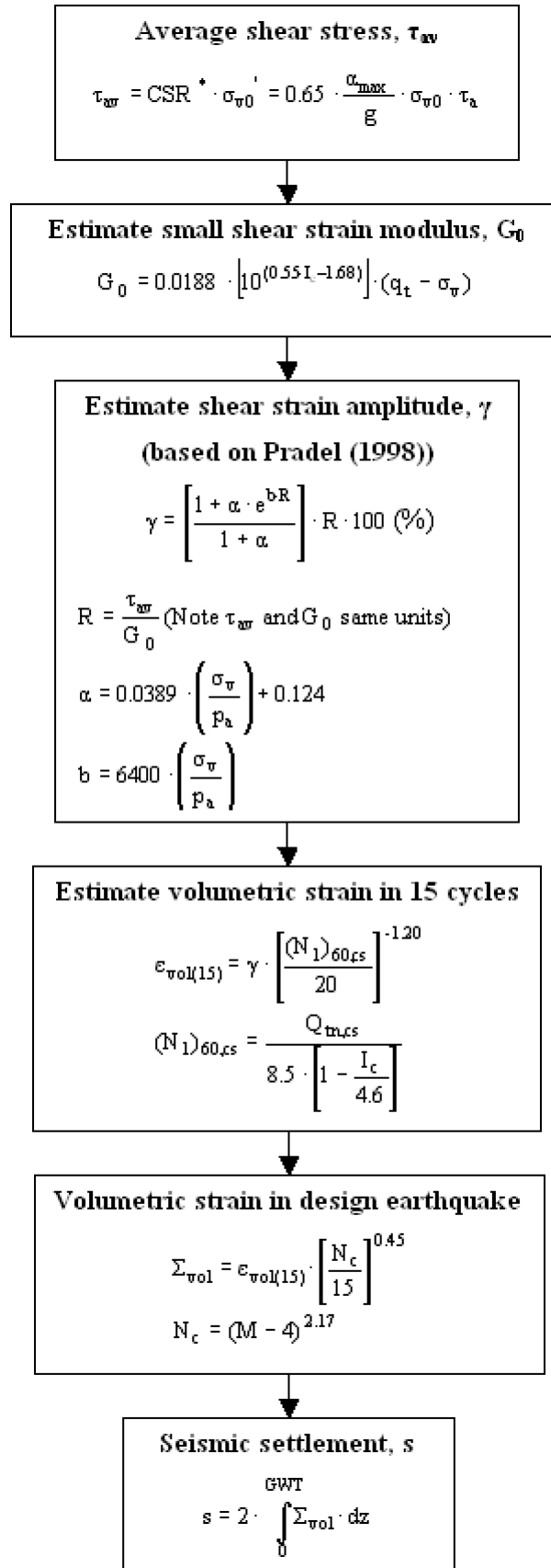
¹ Figure 1

$$LDI = \int_0^{Z_{max}} \gamma_{max} dz$$

¹ Equation [3]

¹ "Estimating liquefaction-induced ground settlements from CPT for level ground", G. Zhang, P.K. Robertson, and R.W.I. Brachman

Procedure for the estimation of seismic induced settlements in dry sands



Robertson, P.K. and Lisheng, S., 2010, "Estimation of seismic compression in dry soils using the CPT" FIFTH INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN GEOTECHNICAL EARTHQUAKE ENGINEERING AND SOIL DYNAMICS, Symposium in honor of professor I. M. Idriss, San Diego, CA

Liquefaction Potential Index (LPI) calculation procedure

Calculation of the Liquefaction Potential Index (LPI) is used to interpret the liquefaction assessment calculations in terms of severity over depth. The calculation procedure is based on the methodology developed by Iwasaki (1982) and is adopted by AFPS.

To estimate the severity of liquefaction extent at a given site, LPI is calculated based on the following equation:

$$LPI = \int_0^{20} (10 - 0.5z) \times F_L \times d_z$$

where:

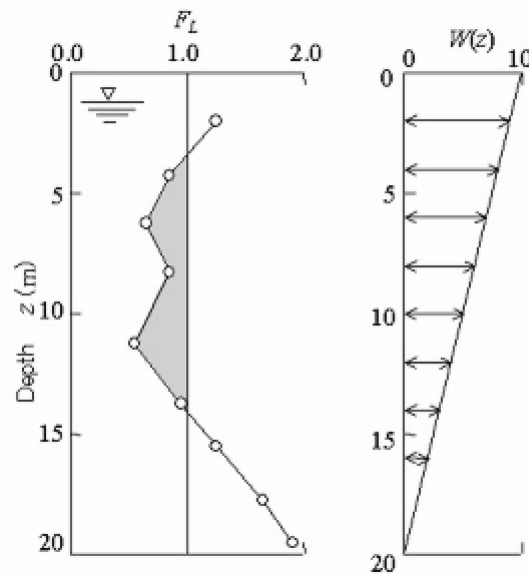
$F_L = 1 - F.S.$ when F.S. less than 1

$F_L = 0$ when F.S. greater than 1

z depth of measurement in meters

Values of LPI range between zero (0) when no test point is characterized as liquefiable and 100 when all points are characterized as susceptible to liquefaction. Iwasaki proposed four (4) discrete categories based on the numeric value of LPI:

- $LPI = 0$: Liquefaction risk is very low
- $0 < LPI \leq 5$: Liquefaction risk is low
- $5 < LPI \leq 15$: Liquefaction risk is high
- $LPI > 15$: Liquefaction risk is very high



Graphical presentation of the LPI calculation procedure

Shear-Induced Building Settlement (Ds) calculation procedure

The shear-induced building settlement (Ds) due to liquefaction below the building can be estimated using the relationship developed by Bray and Macedo (2017):

$$\begin{aligned} \ln(Ds) = & c1 + c2 * LBS + 0.58 * \ln\left(\tanh\left(\frac{HL}{6}\right)\right) + \\ & 4.59 * \ln(Q) - 0.42 * \ln(Q)^2 - 0.02 * B + \\ & 0.84 * \ln(CAVdp) + 0.41 * \ln(Sa1) + \varepsilon \end{aligned}$$

where Ds is in the units of mm, c1= -8.35 and c2= 0.072 for LBS ≤ 16, and c1= -7.48 and c2= 0.014 otherwise. Q is the building contact pressure in units of kPa, HL is the cumulative thickness of the liquefiable layers in the units of m, B is the building width in the units of m, CAVdp is a standardized version of the cumulative absolute velocity in the units of g-s, Sa1 is 5%-damped pseudo-acceleration response spectral value at a period of 1 s in the units of g, and ε is a normal random variable with zero mean and 0.50 standard deviation in Ln units. The liquefaction-induced building settlement index (LBS) is:

$$LBS = \sum W * \frac{\varepsilon_{shear}}{z} dz$$

where z (m) is the depth measured from the ground surface > 0, w is a foundation-weighting factor wherein W = 0.0 for z less than Df, which is the embedment depth of the foundation, and W = 1.0 otherwise. The shear strain parameter (ε_{shear}) is the liquefaction-induced free-field shear strain (in %) estimated using Zhang et al. (2004). It is calculated based on the estimated Dr of the liquefied soil layer and the calculated safety factor against liquefaction triggering (FSL).

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