PROTEZIONE CIVILE
Presidenza del Consiglio dei Ministri
Dipartimento della Protezione Civile

RegioneEmiliaRomagna

CONFERENZA DELLE REGIONI E DELLE PROVINCE AUTONOME

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

MICROZONAZIONE SISMICA

Analisi del potenziale di liquefazione

Livello 3

Regione Emilia-Romagna

Comune di Sant'Agata sul Santerno

Regione	Soggetto realizzatore	Data
Emilia-Romagna	Dott. Geol. Aldo Antoniazzi (capogruppo/mandatario) Dott. Geol. Aldo Antoniazzi (Legale Rappresentante) Dott. Geol. Marco Baldi (mandante) Dott. Arch. Giulia Mancini (mandante) SOGEO S.r.l. (mandante) Collaboratori: Dott. Geol. Stefano Castagnetti Dott. Geol. Luca Castellucci Dott. Geol. Maurizio Moroni	Dicembre 2024

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Geologo
Dott. Aldo Antoniazzi
STUDIO DI GEOLOGIA TECNICA E AMBIENTALE

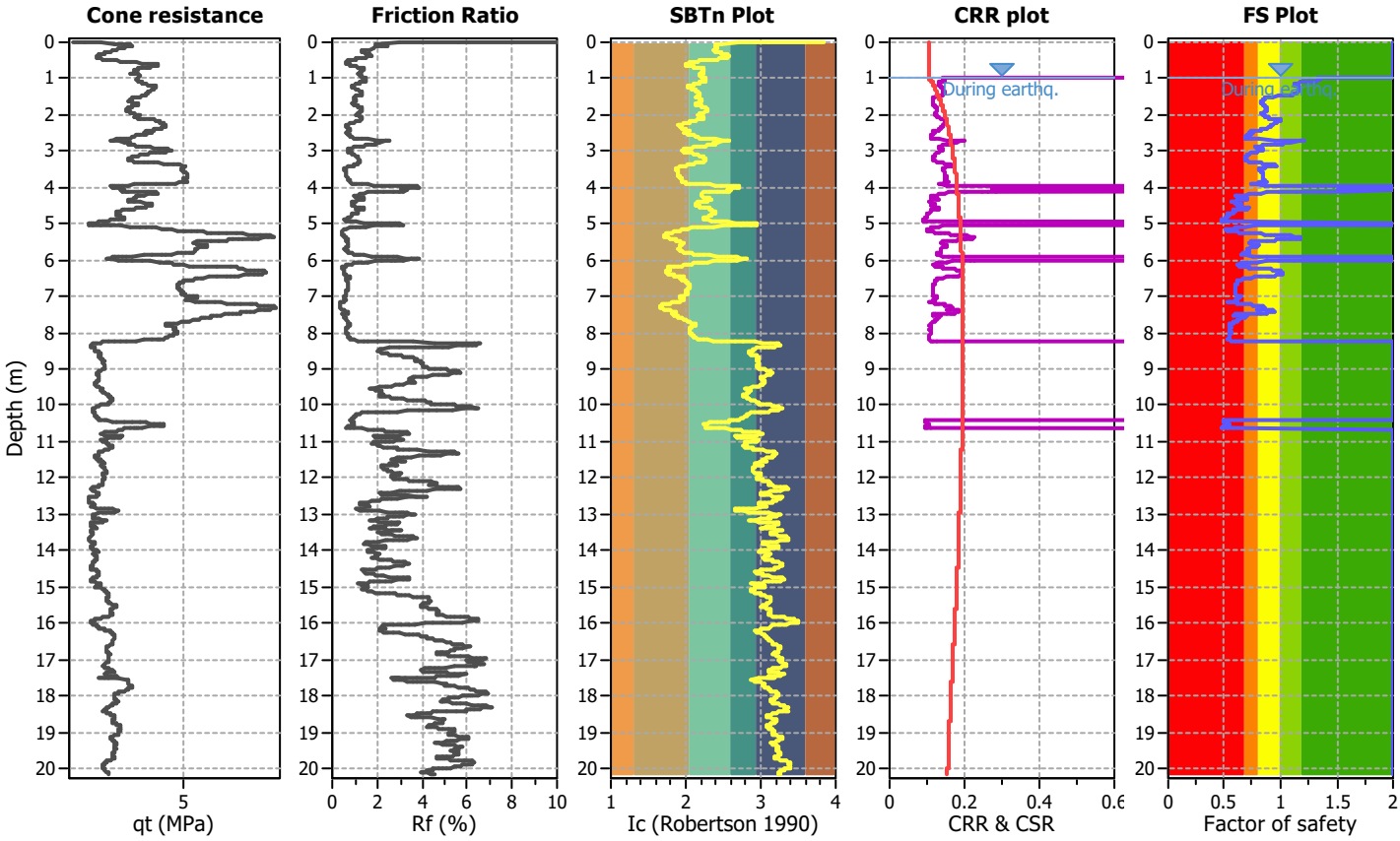
LIQUEFACTION ANALYSIS REPORT

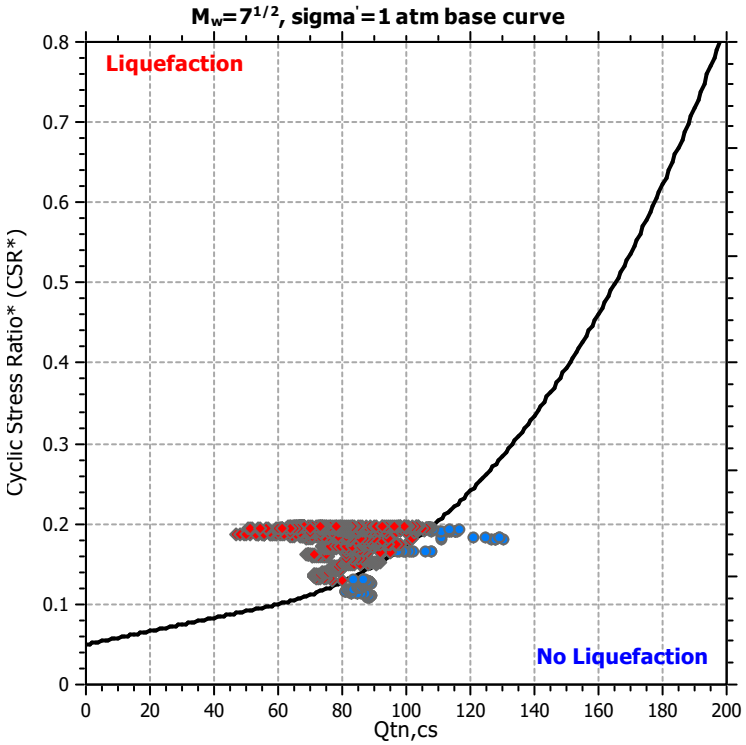
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,22**

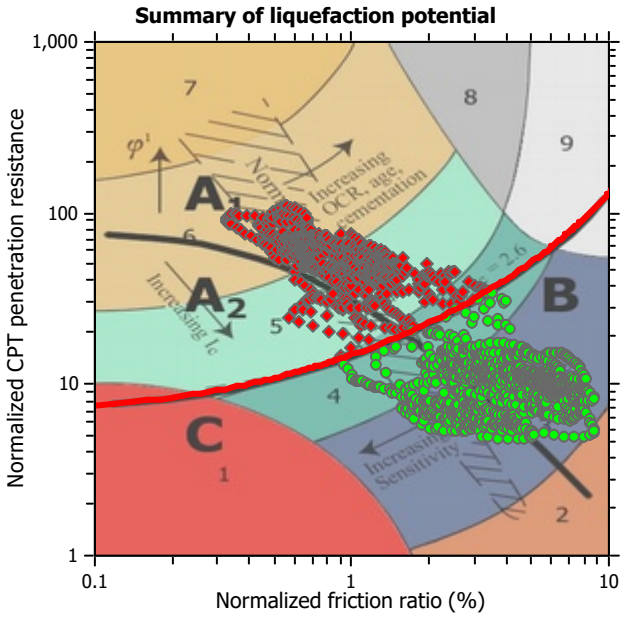
CPT file : 039017P26CPTU26

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.22	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

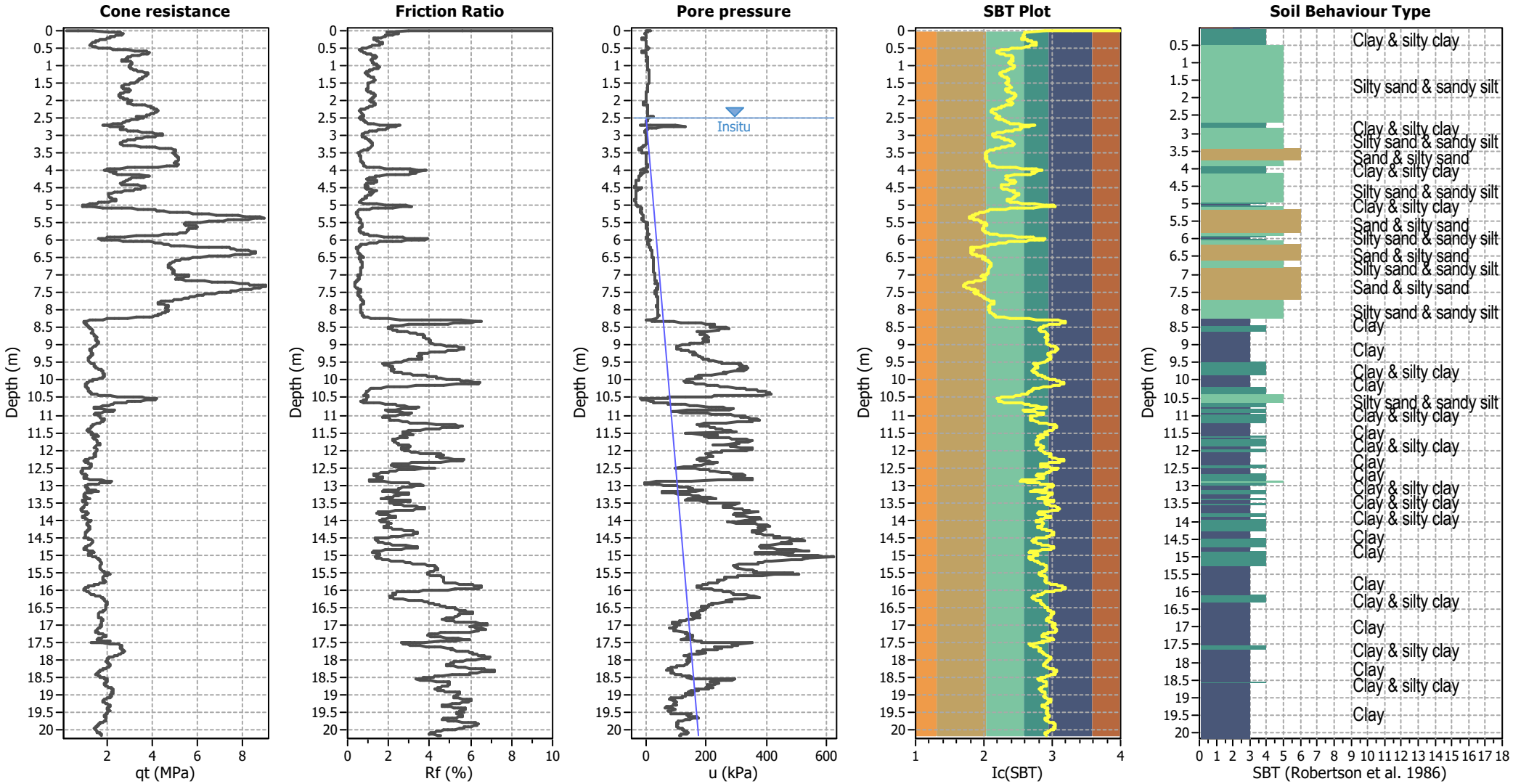






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



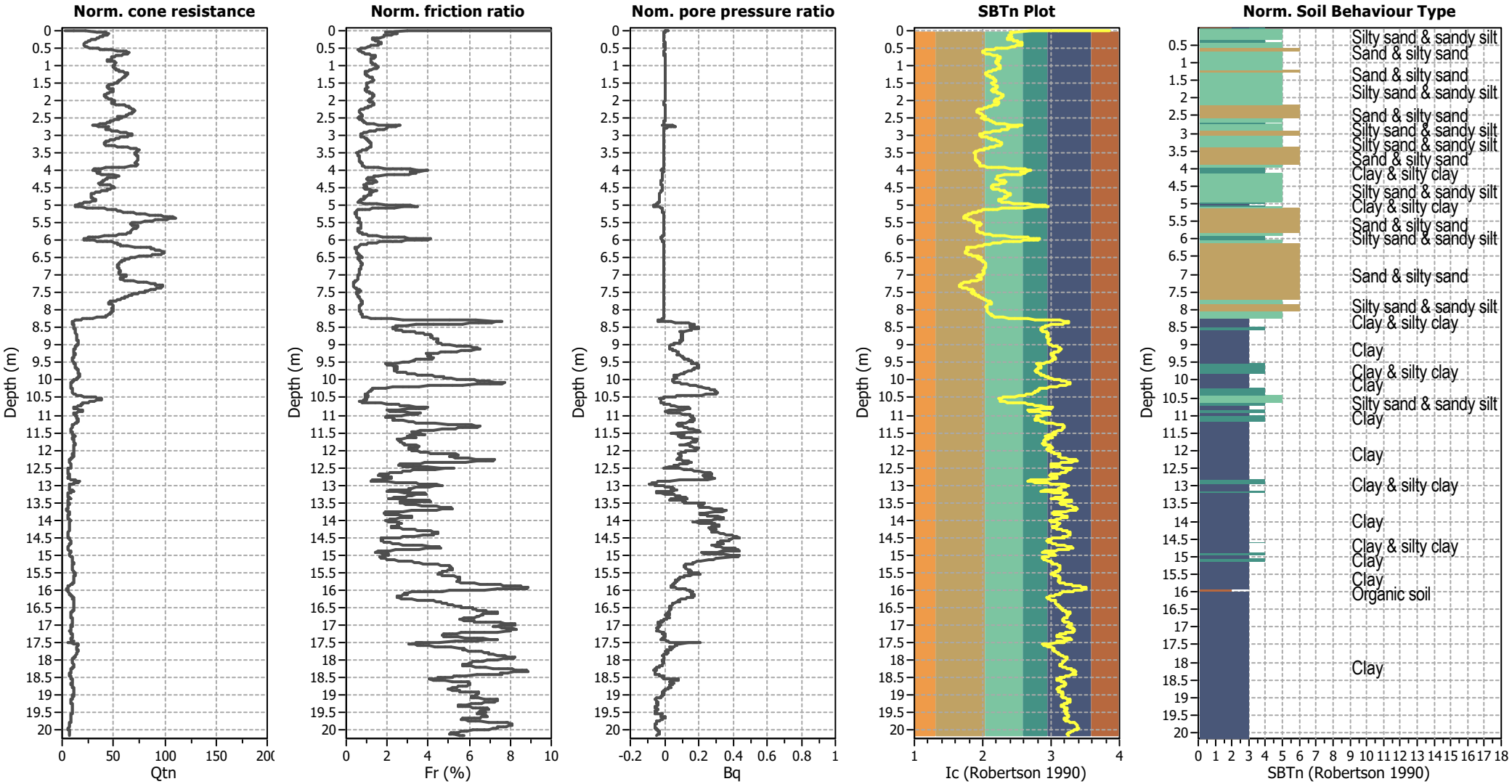
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



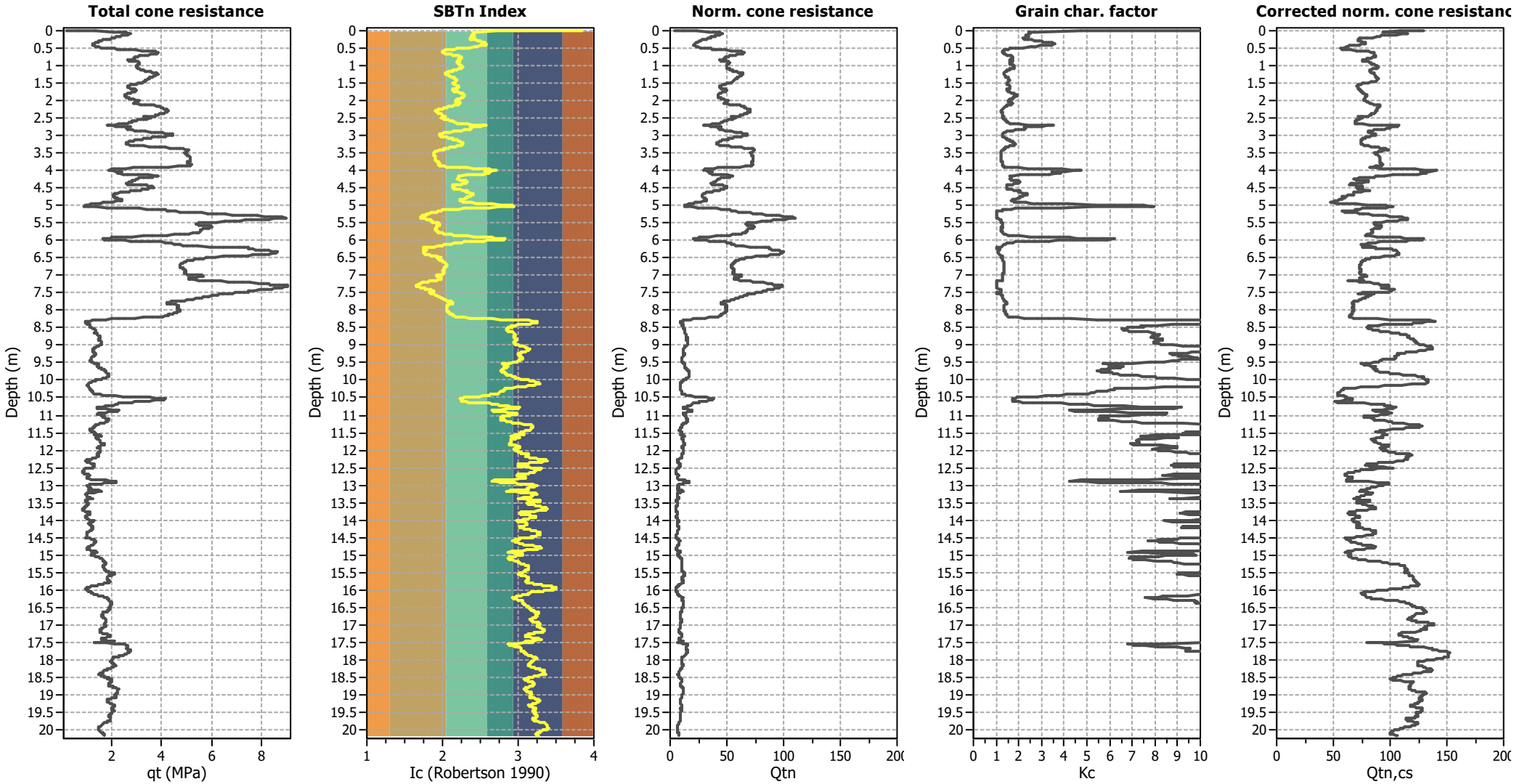
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

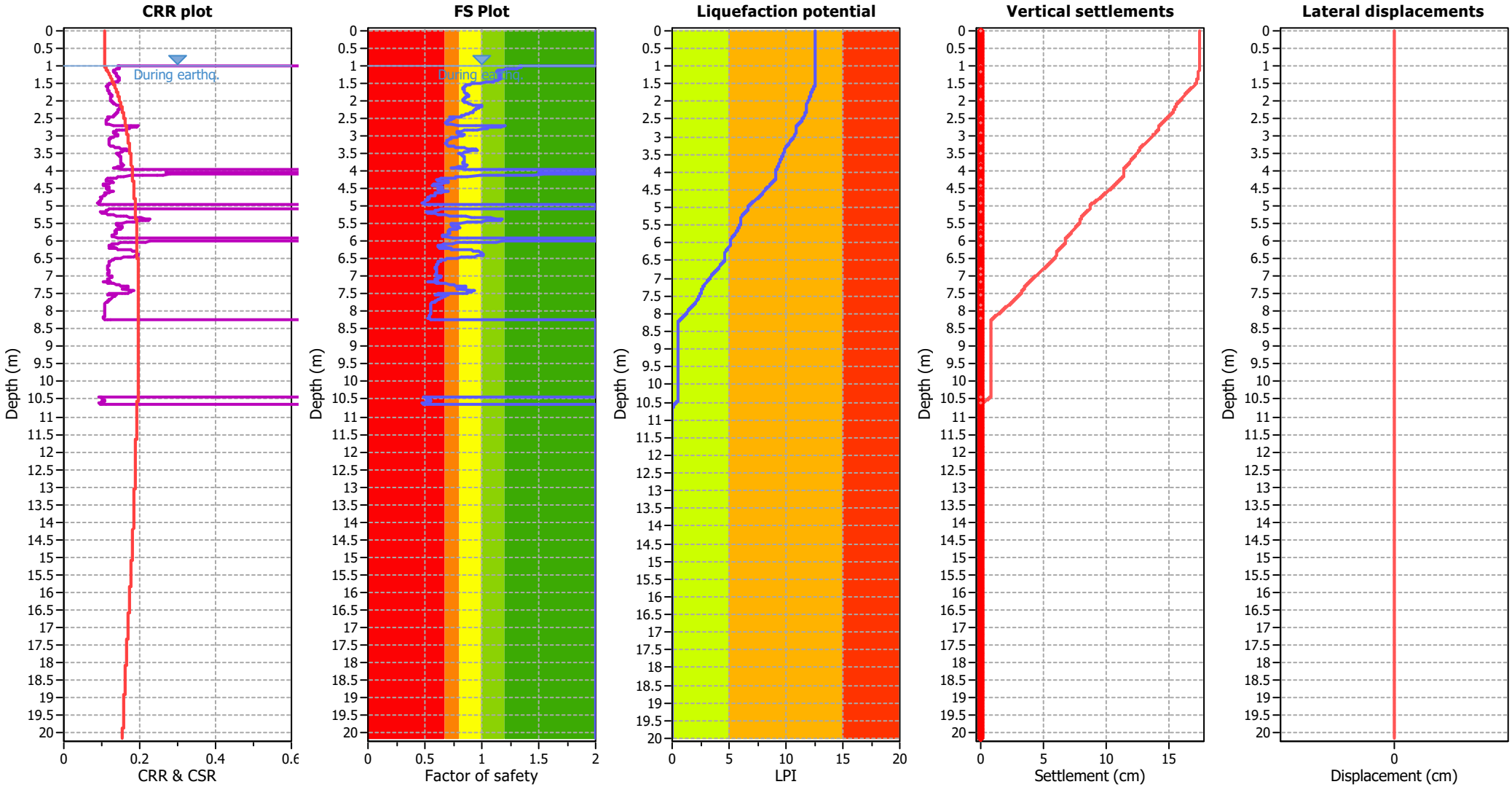
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

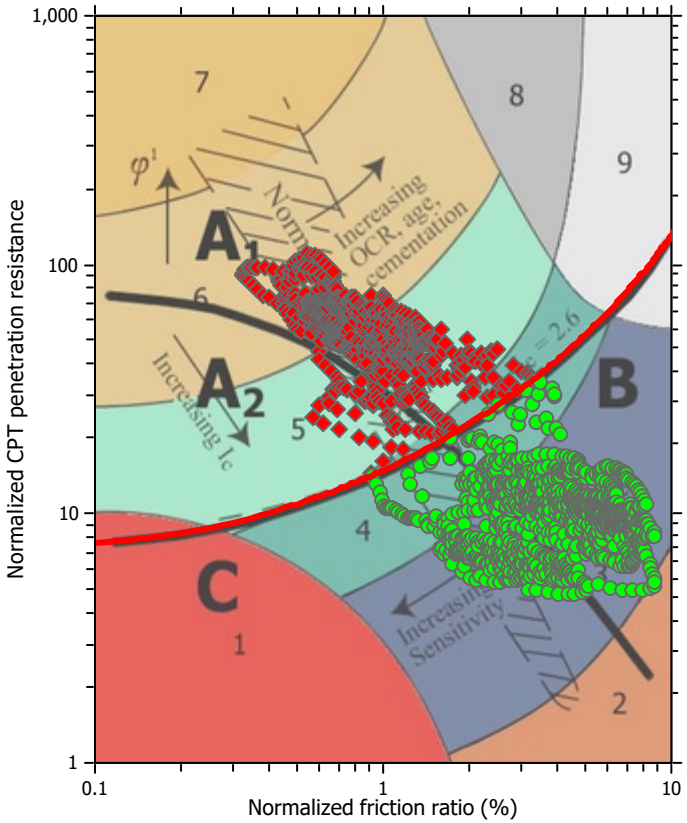
F.S. color scheme

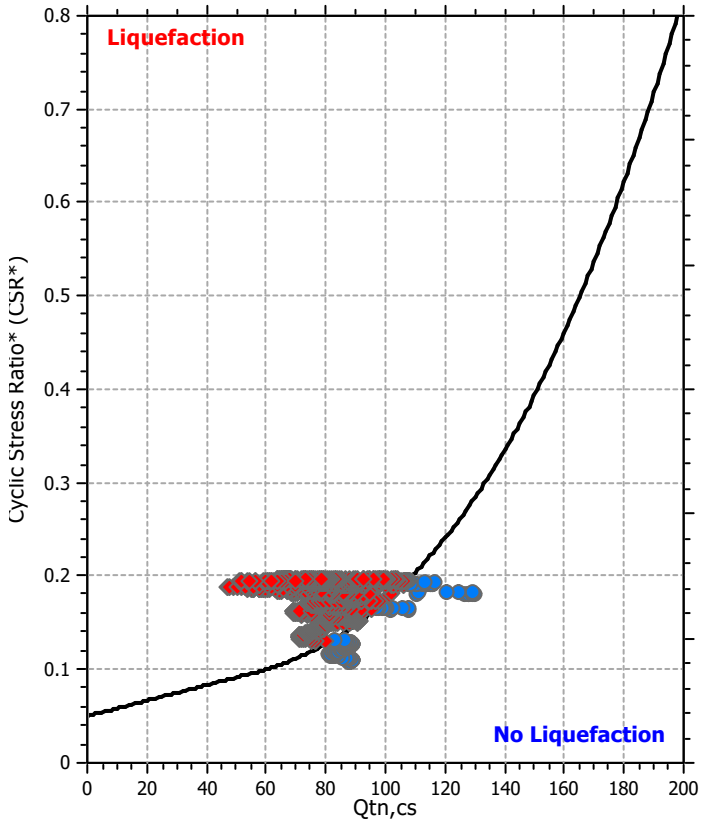
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

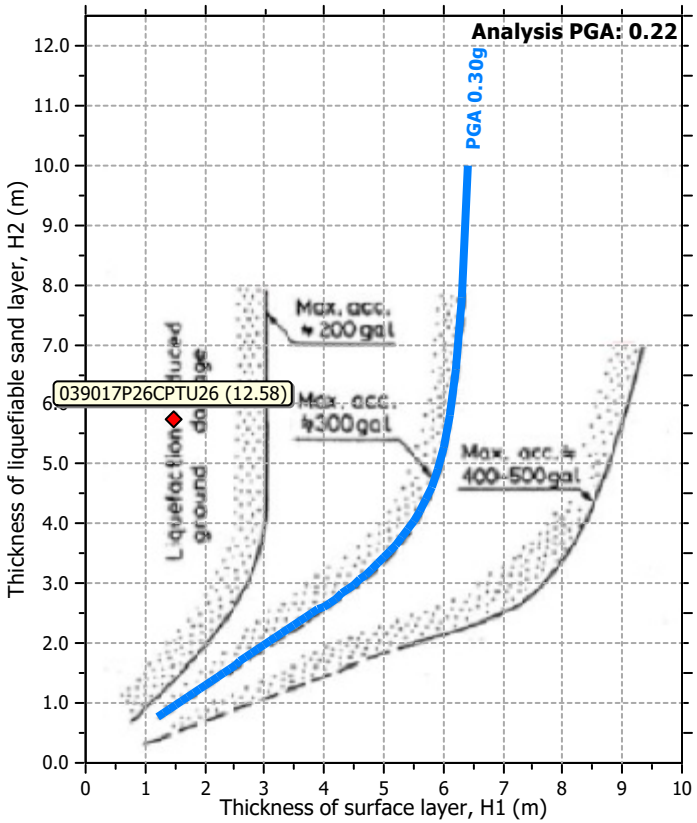
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



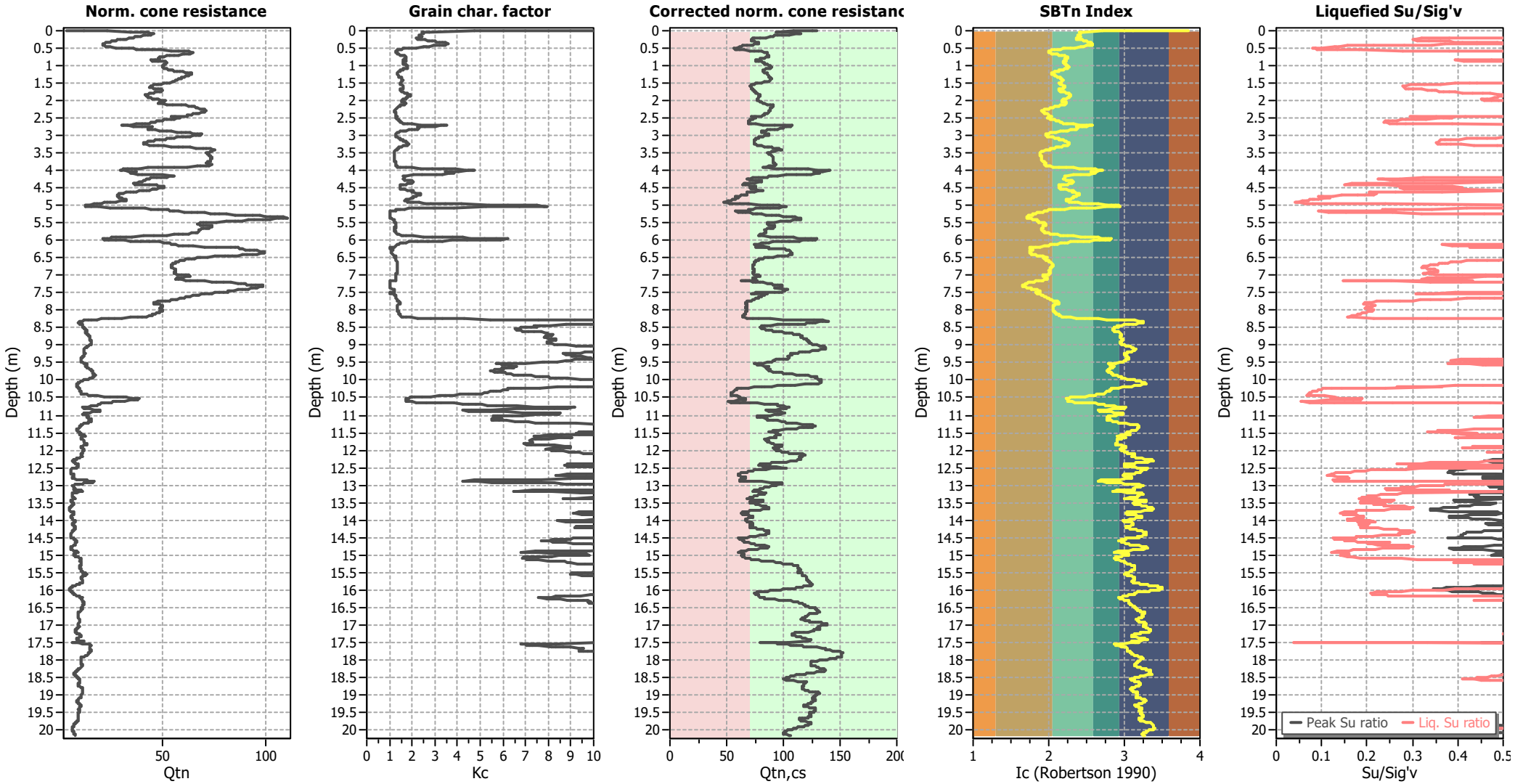




Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Check for strength loss plots (Robertson (2010))



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
0.01	2.00	0.00	0.00	0.01	0.00	0.02	2.00	0.00	0.00	0.01	0.00
0.03	2.00	0.00	0.00	0.01	0.00	0.04	2.00	0.00	0.00	0.01	0.00
0.05	2.00	0.00	0.00	0.01	0.00	0.06	2.00	0.00	0.00	0.01	0.00
0.07	2.00	0.00	0.00	0.01	0.00	0.08	2.00	0.00	0.00	0.01	0.00
0.09	2.00	0.00	0.00	0.01	0.00	0.10	2.00	0.00	0.00	0.01	0.00
0.11	2.00	0.00	0.00	0.01	0.00	0.12	2.00	0.00	0.00	0.01	0.00
0.13	2.00	0.00	0.00	0.01	0.00	0.14	2.00	0.00	0.00	0.01	0.00
0.15	2.00	0.00	0.00	0.01	0.00	0.16	2.00	0.00	0.00	0.01	0.00
0.17	2.00	0.00	0.00	0.01	0.00	0.18	2.00	0.00	0.00	0.01	0.00
0.19	2.00	0.00	0.00	0.01	0.00	0.20	2.00	0.00	0.00	0.01	0.00
0.21	2.00	0.00	0.00	0.01	0.00	0.22	2.00	0.00	0.00	0.01	0.00
0.23	2.00	0.00	0.00	0.01	0.00	0.24	2.00	0.00	0.00	0.01	0.00
0.25	2.00	0.00	0.00	0.01	0.00	0.26	2.00	0.00	0.00	0.01	0.00
0.27	2.00	0.00	0.00	0.01	0.00	0.28	2.00	0.00	0.00	0.01	0.00
0.29	2.00	0.00	0.00	0.01	0.00	0.30	2.00	0.00	0.00	0.01	0.00
0.31	2.00	0.00	0.00	0.01	0.00	0.32	2.00	0.00	0.00	0.01	0.00
0.33	2.00	0.00	0.00	0.01	0.00	0.34	2.00	0.00	0.00	0.01	0.00
0.35	2.00	0.00	0.00	0.01	0.00	0.36	2.00	0.00	0.00	0.01	0.00
0.37	2.00	0.00	0.00	0.01	0.00	0.38	2.00	0.00	0.00	0.01	0.00
0.39	2.00	0.00	0.00	0.01	0.00	0.40	2.00	0.00	0.00	0.01	0.00
0.41	2.00	0.00	0.00	0.01	0.00	0.42	2.00	0.00	0.00	0.01	0.00
0.43	2.00	0.00	0.00	0.01	0.00	0.44	2.00	0.00	0.00	0.01	0.00
0.45	2.00	0.00	0.00	0.01	0.00	0.46	2.00	0.00	0.00	0.01	0.00
0.47	2.00	0.00	0.00	0.01	0.00	0.48	2.00	0.00	0.00	0.01	0.00
0.49	2.00	0.00	0.00	0.01	0.00	0.50	2.00	0.00	0.00	0.01	0.00
0.51	2.00	0.00	0.00	0.01	0.00	0.52	2.00	0.00	0.00	0.01	0.00
0.53	2.00	0.00	0.00	0.01	0.00	0.54	2.00	0.00	0.00	0.01	0.00
0.55	2.00	0.00	0.00	0.01	0.00	0.56	2.00	0.00	0.00	0.01	0.00
0.57	2.00	0.00	0.00	0.01	0.00	0.58	2.00	0.00	0.00	0.01	0.00
0.59	2.00	0.00	0.00	0.01	0.00	0.60	2.00	0.00	0.00	0.01	0.00
0.61	2.00	0.00	0.00	0.01	0.00	0.62	2.00	0.00	0.00	0.01	0.00
0.63	2.00	0.00	0.00	0.01	0.00	0.64	2.00	0.00	0.00	0.01	0.00
0.65	2.00	0.00	0.00	0.01	0.00	0.66	2.00	0.00	0.00	0.01	0.00
0.67	2.00	0.00	0.00	0.01	0.00	0.68	2.00	0.00	0.00	0.01	0.00
0.69	2.00	0.00	0.00	0.01	0.00	0.70	2.00	0.00	0.00	0.01	0.00
0.71	2.00	0.00	0.00	0.01	0.00	0.72	2.00	0.00	0.00	0.01	0.00
0.73	2.00	0.00	0.00	0.01	0.00	0.74	2.00	0.00	0.00	0.01	0.00
0.75	2.00	0.00	0.00	0.01	0.00	0.76	2.00	0.00	0.00	0.01	0.00
0.77	2.00	0.00	0.00	0.01	0.00	0.78	2.00	0.00	0.00	0.01	0.00
0.79	2.00	0.00	0.00	0.01	0.00	0.80	2.00	0.00	0.00	0.01	0.00
0.81	2.00	0.00	0.00	0.01	0.00	0.82	2.00	0.00	0.00	0.01	0.00
0.83	2.00	0.00	0.00	0.01	0.00	0.84	2.00	0.00	0.00	0.01	0.00
0.85	2.00	0.00	0.00	0.01	0.00	0.86	2.00	0.00	0.00	0.01	0.00
0.87	2.00	0.00	0.00	0.01	0.00	0.88	2.00	0.00	0.00	0.01	0.00
0.89	2.00	0.00	0.00	0.01	0.00	0.90	2.00	0.00	0.00	0.01	0.00
0.91	2.00	0.00	0.00	0.01	0.00	0.92	2.00	0.00	0.00	0.01	0.00
0.93	2.00	0.00	0.00	0.01	0.00	0.94	2.00	0.00	0.00	0.01	0.00
0.95	2.00	0.00	0.00	0.01	0.00	0.96	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
0.97	2.00	0.00	0.00	0.01	0.00	0.98	2.00	0.00	0.00	0.01	0.00
0.99	2.00	0.00	0.00	0.01	0.00	1.00	2.00	0.00	0.00	0.01	0.00
1.01	1.34	0.00	0.00	0.01	0.00	1.02	1.34	0.00	0.00	0.01	0.00
1.03	1.34	0.00	0.00	0.01	0.00	1.04	1.34	0.00	0.00	0.01	0.00
1.05	1.34	0.00	0.00	0.01	0.00	1.06	1.33	0.00	0.00	0.01	0.00
1.07	1.31	0.00	0.00	0.01	0.00	1.08	1.29	0.00	0.00	0.01	0.00
1.09	1.27	0.00	0.00	0.01	0.00	1.10	1.24	0.00	0.00	0.01	0.00
1.11	1.21	0.00	0.00	0.01	0.00	1.12	1.18	0.00	0.00	0.01	0.00
1.13	1.16	0.00	0.00	0.01	0.00	1.14	1.15	0.00	0.00	0.01	0.00
1.15	1.14	0.00	0.00	0.01	0.00	1.16	1.13	0.00	0.00	0.01	0.00
1.17	1.13	0.00	0.00	0.01	0.00	1.18	1.13	0.00	0.00	0.01	0.00
1.19	1.13	0.00	0.00	0.01	0.00	1.20	1.14	0.00	0.00	0.01	0.00
1.21	1.15	0.00	0.00	0.01	0.00	1.22	1.15	0.00	0.00	0.01	0.00
1.23	1.16	0.00	0.00	0.01	0.00	1.24	1.16	0.00	0.00	0.01	0.00
1.25	1.16	0.00	0.00	0.01	0.00	1.26	1.16	0.00	0.00	0.01	0.00
1.27	1.16	0.00	0.00	0.01	0.00	1.28	1.16	0.00	0.00	0.01	0.00
1.29	1.16	0.00	0.00	0.01	0.00	1.30	1.15	0.00	0.00	0.01	0.00
1.31	1.15	0.00	0.00	0.01	0.00	1.32	1.15	0.00	0.00	0.01	0.00
1.33	1.15	0.00	0.00	0.01	0.00	1.34	1.16	0.00	0.00	0.01	0.00
1.35	1.16	0.00	0.00	0.01	0.00	1.36	1.16	0.00	0.00	0.01	0.00
1.37	1.16	0.00	0.00	0.01	0.00	1.38	1.16	0.00	0.00	0.01	0.00
1.39	1.15	0.00	0.00	0.01	0.00	1.40	1.15	0.00	0.00	0.01	0.00
1.41	1.14	0.00	0.00	0.01	0.00	1.42	1.14	0.00	0.00	0.01	0.00
1.43	1.13	0.00	0.00	0.01	0.00	1.44	1.12	0.00	0.00	0.01	0.00
1.45	1.10	0.00	0.00	0.01	0.00	1.46	1.09	0.00	0.00	0.01	0.00
1.47	1.08	0.00	0.00	0.01	0.00	1.48	1.03	0.00	0.00	0.01	0.00
1.49	0.98	0.00	0.00	0.01	0.00	1.50	0.93	0.00	0.00	0.01	0.01
1.51	0.92	0.00	0.00	0.01	0.01	1.52	0.91	0.00	0.00	0.01	0.01
1.53	0.90	0.00	0.00	0.01	0.01	1.54	0.88	0.00	0.00	0.01	0.01
1.55	0.87	0.00	0.00	0.01	0.01	1.56	0.86	0.00	0.00	0.01	0.01
1.57	0.85	0.00	0.00	0.01	0.01	1.58	0.85	0.15	2.62	0.01	0.01
1.59	0.84	0.16	2.53	0.01	0.01	1.60	0.84	0.16	2.49	0.01	0.01
1.61	0.84	0.16	2.45	0.01	0.01	1.62	0.84	0.16	2.41	0.01	0.01
1.63	0.84	0.16	2.35	0.01	0.01	1.64	0.84	0.16	2.29	0.01	0.02
1.65	0.83	0.17	2.25	0.01	0.02	1.66	0.83	0.17	2.21	0.01	0.02
1.67	0.83	0.17	2.23	0.01	0.02	1.68	0.84	0.16	2.29	0.01	0.02
1.69	0.84	0.16	2.41	0.01	0.01	1.70	0.84	0.16	2.49	0.01	0.01
1.71	0.85	0.15	2.55	0.01	0.01	1.72	0.85	0.15	2.56	0.01	0.01
1.73	0.85	0.15	2.56	0.01	0.01	1.74	0.85	0.15	2.57	0.01	0.01
1.75	0.85	0.15	2.61	0.01	0.01	1.76	0.85	0.15	2.66	0.01	0.01
1.77	0.85	0.00	0.00	0.01	0.01	1.78	0.86	0.00	0.00	0.01	0.01
1.79	0.86	0.00	0.00	0.01	0.01	1.80	0.87	0.00	0.00	0.01	0.01
1.81	0.87	0.00	0.00	0.01	0.01	1.82	0.87	0.00	0.00	0.01	0.01
1.83	0.88	0.00	0.00	0.01	0.01	1.84	0.88	0.00	0.00	0.01	0.01
1.85	0.88	0.00	0.00	0.01	0.01	1.86	0.88	0.00	0.00	0.01	0.01
1.87	0.88	0.00	0.00	0.01	0.01	1.88	0.87	0.00	0.00	0.01	0.01
1.89	0.86	0.00	0.00	0.01	0.01	1.90	0.86	0.00	0.00	0.01	0.01
1.91	0.86	0.00	0.00	0.01	0.01	1.92	0.85	0.00	0.00	0.01	0.01

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
1.93	0.85	0.15	2.72	0.01	0.01	1.94	0.85	0.15	2.63	0.01	0.01
1.95	0.84	0.16	2.51	0.01	0.01	1.96	0.84	0.16	2.40	0.01	0.01
1.97	0.84	0.16	2.28	0.01	0.01	1.98	0.83	0.17	2.23	0.01	0.02
1.99	0.83	0.17	2.24	0.01	0.01	2.00	0.84	0.16	2.33	0.01	0.01
2.01	0.84	0.16	2.40	0.01	0.01	2.02	0.85	0.15	2.54	0.01	0.01
2.03	0.85	0.15	2.64	0.01	0.01	2.04	0.86	0.00	0.00	0.01	0.01
2.05	0.86	0.00	0.00	0.01	0.01	2.06	0.87	0.00	0.00	0.01	0.01
2.07	0.88	0.00	0.00	0.01	0.01	2.08	0.89	0.00	0.00	0.01	0.01
2.09	0.89	0.00	0.00	0.01	0.01	2.10	0.90	0.00	0.00	0.01	0.01
2.11	0.92	0.00	0.00	0.01	0.01	2.12	0.95	0.00	0.00	0.01	0.00
2.13	0.99	0.00	0.00	0.01	0.00	2.14	1.00	0.00	0.00	0.01	0.00
2.15	1.00	0.00	0.00	0.01	0.00	2.16	1.00	0.00	0.00	0.01	0.00
2.17	1.00	0.00	0.00	0.01	0.00	2.18	0.99	0.00	0.00	0.01	0.00
2.19	0.98	0.00	0.00	0.01	0.00	2.20	0.97	0.00	0.00	0.01	0.00
2.21	0.96	0.00	0.00	0.01	0.00	2.22	0.95	0.00	0.00	0.01	0.00
2.23	0.95	0.00	0.00	0.01	0.00	2.24	0.95	0.00	0.00	0.01	0.00
2.25	0.94	0.00	0.00	0.01	0.01	2.26	0.94	0.00	0.00	0.01	0.01
2.27	0.93	0.00	0.00	0.01	0.01	2.28	0.93	0.00	0.00	0.01	0.01
2.29	0.92	0.00	0.00	0.01	0.01	2.30	0.92	0.00	0.00	0.01	0.01
2.31	0.92	0.00	0.00	0.01	0.01	2.32	0.92	0.00	0.00	0.01	0.01
2.33	0.91	0.00	0.00	0.01	0.01	2.34	0.91	0.00	0.00	0.01	0.01
2.35	0.90	0.00	0.00	0.01	0.01	2.36	0.89	0.00	0.00	0.01	0.01
2.37	0.88	0.00	0.00	0.01	0.01	2.38	0.87	0.00	0.00	0.01	0.01
2.39	0.86	0.00	0.00	0.01	0.01	2.40	0.85	0.15	2.56	0.01	0.01
2.41	0.83	0.17	2.25	0.01	0.01	2.42	0.83	0.17	2.15	0.01	0.01
2.43	0.83	0.17	2.09	0.01	0.02	2.44	0.82	0.18	2.05	0.01	0.02
2.45	0.82	0.18	2.00	0.01	0.02	2.46	0.76	0.24	1.28	0.01	0.02
2.47	0.74	0.26	1.13	0.01	0.02	2.48	0.72	0.28	1.02	0.01	0.02
2.49	0.75	0.25	1.19	0.01	0.02	2.50	0.75	0.25	1.17	0.01	0.02
2.51	0.74	0.26	1.14	0.01	0.02	2.52	0.74	0.26	1.11	0.01	0.02
2.53	0.73	0.27	1.06	0.01	0.02	2.54	0.72	0.28	1.01	0.01	0.02
2.55	0.71	0.29	0.96	0.01	0.03	2.56	0.71	0.29	0.94	0.01	0.03
2.57	0.70	0.30	0.92	0.01	0.03	2.58	0.70	0.30	0.90	0.01	0.03
2.59	0.69	0.31	0.88	0.01	0.03	2.60	0.69	0.31	0.87	0.01	0.03
2.61	0.69	0.31	0.86	0.01	0.03	2.62	0.68	0.32	0.86	0.01	0.03
2.63	0.68	0.32	0.86	0.01	0.03	2.64	0.69	0.31	0.86	0.01	0.03
2.65	0.69	0.31	0.87	0.01	0.03	2.66	0.69	0.31	0.89	0.01	0.03
2.67	0.70	0.30	0.92	0.01	0.03	2.68	0.73	0.27	1.08	0.01	0.02
2.69	0.80	0.20	1.65	0.01	0.02	2.70	0.95	0.00	0.00	0.01	0.00
2.71	1.09	0.00	0.00	0.01	0.00	2.72	1.21	0.00	0.00	0.01	0.00
2.73	1.21	0.00	0.00	0.01	0.00	2.74	1.17	0.00	0.00	0.01	0.00
2.75	1.10	0.00	0.00	0.01	0.00	2.76	1.07	0.00	0.00	0.01	0.00
2.77	1.05	0.00	0.00	0.01	0.00	2.78	1.05	0.00	0.00	0.01	0.00
2.79	1.04	0.00	0.00	0.01	0.00	2.80	1.02	0.00	0.00	0.01	0.00
2.81	1.01	0.00	0.00	0.01	0.00	2.82	0.97	0.00	0.00	0.01	0.00
2.83	0.92	0.00	0.00	0.01	0.01	2.84	0.87	0.00	0.00	0.01	0.01
2.85	0.85	0.15	2.54	0.01	0.01	2.86	0.83	0.17	2.08	0.01	0.01
2.87	0.82	0.18	1.89	0.01	0.02	2.88	0.79	0.21	1.59	0.01	0.02

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
2.89	0.78	0.22	1.45	0.01	0.02	2.90	0.78	0.22	1.40	0.01	0.02
2.91	0.78	0.22	1.45	0.01	0.02	2.92	0.79	0.21	1.55	0.01	0.02
2.93	0.80	0.20	1.69	0.01	0.02	2.94	0.81	0.19	1.87	0.01	0.02
2.95	0.82	0.18	2.01	0.01	0.02	2.96	0.83	0.17	2.27	0.01	0.01
2.97	0.84	0.16	2.44	0.01	0.01	2.98	0.85	0.15	2.56	0.01	0.01
2.99	0.84	0.16	2.30	0.01	0.01	3.00	0.82	0.18	2.02	0.01	0.02
3.01	0.81	0.19	1.75	0.01	0.02	3.02	0.79	0.21	1.54	0.01	0.02
3.03	0.78	0.22	1.42	0.01	0.02	3.04	0.76	0.24	1.28	0.01	0.02
3.05	0.75	0.25	1.18	0.01	0.02	3.06	0.74	0.26	1.10	0.01	0.02
3.07	0.73	0.27	1.07	0.01	0.02	3.08	0.73	0.27	1.04	0.01	0.02
3.09	0.72	0.28	1.00	0.01	0.02	3.10	0.71	0.29	0.97	0.01	0.02
3.11	0.71	0.29	0.95	0.01	0.02	3.12	0.70	0.30	0.93	0.01	0.03
3.13	0.70	0.30	0.91	0.01	0.03	3.14	0.69	0.31	0.89	0.01	0.03
3.15	0.69	0.31	0.89	0.01	0.03	3.16	0.69	0.31	0.88	0.01	0.03
3.17	0.69	0.31	0.88	0.01	0.03	3.18	0.69	0.31	0.88	0.01	0.03
3.19	0.69	0.31	0.87	0.01	0.03	3.20	0.69	0.31	0.87	0.01	0.03
3.21	0.69	0.31	0.86	0.01	0.03	3.22	0.69	0.31	0.86	0.01	0.03
3.23	0.69	0.31	0.86	0.01	0.03	3.24	0.69	0.31	0.87	0.01	0.03
3.25	0.69	0.31	0.88	0.01	0.03	3.26	0.69	0.31	0.89	0.01	0.03
3.27	0.70	0.30	0.91	0.01	0.03	3.28	0.71	0.29	0.94	0.01	0.02
3.29	0.72	0.28	1.00	0.01	0.02	3.30	0.73	0.27	1.08	0.01	0.02
3.31	0.75	0.25	1.19	0.01	0.02	3.32	0.77	0.23	1.36	0.01	0.02
3.33	0.80	0.20	1.64	0.01	0.02	3.34	0.82	0.18	1.93	0.01	0.02
3.35	0.85	0.15	2.59	0.01	0.01	3.36	0.87	0.00	0.00	0.01	0.01
3.37	0.91	0.00	0.00	0.01	0.01	3.38	0.92	0.00	0.00	0.01	0.01
3.39	0.94	0.00	0.00	0.01	0.00	3.40	0.96	0.00	0.00	0.01	0.00
3.41	0.97	0.00	0.00	0.01	0.00	3.42	0.94	0.00	0.00	0.01	0.00
3.43	0.91	0.00	0.00	0.01	0.01	3.44	0.87	0.00	0.00	0.01	0.01
3.45	0.86	0.00	0.00	0.01	0.01	3.46	0.85	0.15	2.73	0.01	0.01
3.47	0.85	0.15	2.68	0.01	0.01	3.48	0.83	0.17	2.17	0.01	0.01
3.49	0.81	0.19	1.86	0.01	0.02	3.50	0.80	0.20	1.66	0.01	0.02
3.51	0.81	0.19	1.75	0.01	0.02	3.52	0.81	0.19	1.82	0.01	0.02
3.53	0.82	0.18	1.89	0.01	0.02	3.54	0.82	0.18	1.92	0.01	0.02
3.55	0.82	0.18	2.00	0.01	0.01	3.56	0.83	0.17	2.06	0.01	0.01
3.57	0.83	0.17	2.16	0.01	0.01	3.58	0.83	0.17	2.23	0.01	0.01
3.59	0.84	0.16	2.33	0.01	0.01	3.60	0.84	0.16	2.44	0.01	0.01
3.61	0.85	0.15	2.54	0.01	0.01	3.62	0.85	0.15	2.58	0.01	0.01
3.63	0.85	0.15	2.59	0.01	0.01	3.64	0.85	0.15	2.58	0.01	0.01
3.65	0.85	0.15	2.57	0.01	0.01	3.66	0.85	0.15	2.53	0.01	0.01
3.67	0.84	0.16	2.51	0.01	0.01	3.68	0.84	0.16	2.48	0.01	0.01
3.69	0.84	0.16	2.45	0.01	0.01	3.70	0.84	0.16	2.49	0.01	0.01
3.71	0.85	0.15	2.54	0.01	0.01	3.72	0.85	0.15	2.58	0.01	0.01
3.73	0.85	0.15	2.53	0.01	0.01	3.74	0.84	0.16	2.47	0.01	0.01
3.75	0.84	0.16	2.40	0.01	0.01	3.76	0.84	0.16	2.34	0.01	0.01
3.77	0.84	0.16	2.33	0.01	0.01	3.78	0.84	0.16	2.35	0.01	0.01
3.79	0.84	0.16	2.42	0.01	0.01	3.80	0.85	0.15	2.55	0.01	0.01
3.81	0.85	0.00	0.00	0.01	0.01	3.82	0.86	0.00	0.00	0.01	0.01
3.83	0.87	0.00	0.00	0.01	0.01	3.84	0.87	0.00	0.00	0.01	0.01

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
3.85	0.87	0.00	0.00	0.01	0.01	3.86	0.86	0.00	0.00	0.01	0.01
3.87	0.84	0.16	2.35	0.01	0.01	3.88	0.81	0.19	1.85	0.01	0.02
3.89	0.80	0.20	1.61	0.01	0.02	3.90	0.76	0.24	1.24	0.01	0.02
3.91	0.73	0.27	1.07	0.01	0.02	3.92	0.74	0.26	1.10	0.01	0.02
3.93	0.78	0.22	1.40	0.01	0.02	3.94	0.86	0.00	0.00	0.01	0.01
3.95	0.98	0.00	0.00	0.01	0.00	3.96	1.15	0.00	0.00	0.01	0.00
3.97	2.00	0.00	0.00	0.01	0.00	3.98	2.00	0.00	0.00	0.01	0.00
3.99	2.00	0.00	0.00	0.01	0.00	4.00	2.00	0.00	0.00	0.01	0.00
4.01	2.00	0.00	0.00	0.01	0.00	4.02	2.00	0.00	0.00	0.01	0.00
4.03	1.59	0.00	0.00	0.01	0.00	4.04	1.53	0.00	0.00	0.01	0.00
4.05	1.50	0.00	0.00	0.01	0.00	4.06	1.52	0.00	0.00	0.01	0.00
4.07	1.56	0.00	0.00	0.01	0.00	4.08	2.00	0.00	0.00	0.01	0.00
4.09	2.00	0.00	0.00	0.01	0.00	4.10	1.56	0.00	0.00	0.01	0.00
4.11	1.44	0.00	0.00	0.01	0.00	4.12	1.35	0.00	0.00	0.01	0.00
4.13	1.15	0.00	0.00	0.01	0.00	4.14	0.99	0.00	0.00	0.01	0.00
4.15	0.87	0.00	0.00	0.01	0.01	4.16	0.82	0.18	1.93	0.01	0.01
4.17	0.79	0.21	1.55	0.01	0.02	4.18	0.77	0.23	1.37	0.01	0.02
4.19	0.77	0.23	1.30	0.01	0.02	4.20	0.73	0.27	1.04	0.01	0.02
4.21	0.68	0.32	0.85	0.01	0.03	4.22	0.64	0.36	0.72	0.01	0.03
4.23	0.62	0.38	0.67	0.01	0.03	4.24	0.61	0.39	0.65	0.01	0.03
4.25	0.60	0.40	0.64	0.01	0.03	4.26	0.61	0.39	0.64	0.01	0.03
4.27	0.61	0.39	0.66	0.01	0.03	4.28	0.64	0.36	0.71	0.01	0.03
4.29	0.66	0.34	0.78	0.01	0.03	4.30	0.69	0.31	0.89	0.01	0.02
4.31	0.70	0.30	0.93	0.01	0.02	4.32	0.71	0.29	0.96	0.01	0.02
4.33	0.71	0.29	0.96	0.01	0.02	4.34	0.71	0.29	0.96	0.01	0.02
4.35	0.68	0.32	0.84	0.01	0.03	4.36	0.65	0.35	0.74	0.01	0.03
4.37	0.61	0.39	0.65	0.01	0.03	4.38	0.59	0.41	0.61	0.01	0.03
4.39	0.57	0.43	0.58	0.01	0.03	4.40	0.57	0.43	0.57	0.01	0.03
4.41	0.57	0.43	0.58	0.01	0.03	4.42	0.59	0.41	0.61	0.01	0.03
4.43	0.60	0.40	0.64	0.01	0.03	4.44	0.62	0.38	0.66	0.01	0.03
4.45	0.62	0.38	0.68	0.01	0.03	4.46	0.64	0.36	0.72	0.01	0.03
4.47	0.65	0.35	0.74	0.01	0.03	4.48	0.65	0.35	0.76	0.01	0.03
4.49	0.64	0.36	0.72	0.01	0.03	4.50	0.63	0.37	0.69	0.01	0.03
4.51	0.61	0.39	0.66	0.01	0.03	4.52	0.62	0.38	0.66	0.01	0.03
4.53	0.62	0.38	0.68	0.01	0.03	4.54	0.63	0.37	0.69	0.01	0.03
4.55	0.65	0.35	0.75	0.01	0.03	4.56	0.67	0.33	0.82	0.01	0.03
4.57	0.71	0.29	0.95	0.01	0.02	4.58	0.71	0.29	0.97	0.01	0.02
4.59	0.70	0.30	0.94	0.01	0.02	4.60	0.68	0.32	0.83	0.01	0.02
4.61	0.64	0.36	0.72	0.01	0.03	4.62	0.61	0.39	0.64	0.01	0.03
4.63	0.59	0.41	0.61	0.01	0.03	4.64	0.59	0.41	0.60	0.01	0.03
4.65	0.58	0.42	0.60	0.01	0.03	4.66	0.59	0.41	0.61	0.01	0.03
4.67	0.59	0.41	0.61	0.01	0.03	4.68	0.59	0.41	0.61	0.01	0.03
4.69	0.59	0.41	0.61	0.01	0.03	4.70	0.58	0.42	0.59	0.01	0.03
4.71	0.57	0.43	0.58	0.01	0.03	4.72	0.56	0.44	0.55	0.01	0.03
4.73	0.54	0.46	0.54	0.01	0.03	4.74	0.53	0.47	0.52	0.01	0.04
4.75	0.53	0.47	0.51	0.01	0.04	4.76	0.53	0.47	0.51	0.01	0.04
4.77	0.53	0.47	0.51	0.01	0.04	4.78	0.53	0.47	0.52	0.01	0.04
4.79	0.54	0.46	0.53	0.01	0.03	4.80	0.53	0.47	0.52	0.01	0.04

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
4.81	0.52	0.48	0.51	0.01	0.04	4.82	0.52	0.48	0.50	0.01	0.04
4.83	0.51	0.49	0.50	0.01	0.04	4.84	0.51	0.49	0.49	0.01	0.04
4.85	0.51	0.49	0.49	0.01	0.04	4.86	0.51	0.49	0.49	0.01	0.04
4.87	0.50	0.50	0.48	0.01	0.04	4.88	0.50	0.50	0.48	0.01	0.04
4.89	0.49	0.51	0.47	0.01	0.04	4.90	0.49	0.51	0.46	0.01	0.04
4.91	0.48	0.52	0.45	0.01	0.04	4.92	0.48	0.52	0.46	0.01	0.04
4.93	0.49	0.51	0.47	0.01	0.04	4.94	0.50	0.50	0.48	0.01	0.04
4.95	0.51	0.49	0.49	0.01	0.04	4.96	0.54	0.46	0.53	0.01	0.03
4.97	2.00	0.00	0.00	0.01	0.00	4.98	2.00	0.00	0.00	0.01	0.00
4.99	2.00	0.00	0.00	0.01	0.00	5.00	2.00	0.00	0.00	0.01	0.00
5.01	2.00	0.00	0.00	0.01	0.00	5.02	2.00	0.00	0.00	0.01	0.00
5.03	2.00	0.00	0.00	0.01	0.00	5.04	2.00	0.00	0.00	0.01	0.00
5.05	2.00	0.00	0.00	0.01	0.00	5.06	2.00	0.00	0.00	0.01	0.00
5.07	0.77	0.23	1.30	0.01	0.02	5.08	0.69	0.31	0.88	0.01	0.02
5.09	0.64	0.36	0.72	0.01	0.03	5.10	0.62	0.38	0.67	0.01	0.03
5.11	0.60	0.40	0.63	0.01	0.03	5.12	0.59	0.41	0.61	0.01	0.03
5.13	0.59	0.41	0.61	0.01	0.03	5.14	0.58	0.42	0.60	0.01	0.03
5.15	0.58	0.42	0.60	0.01	0.03	5.16	0.59	0.41	0.61	0.01	0.03
5.17	0.59	0.41	0.62	0.01	0.03	5.18	0.52	0.48	0.50	0.01	0.04
5.19	0.53	0.47	0.51	0.01	0.03	5.20	0.55	0.45	0.54	0.01	0.03
5.21	0.57	0.43	0.57	0.01	0.03	5.22	0.59	0.41	0.61	0.01	0.03
5.23	0.61	0.39	0.65	0.01	0.03	5.24	0.63	0.37	0.70	0.01	0.03
5.25	0.65	0.35	0.74	0.01	0.03	5.26	0.68	0.32	0.85	0.01	0.02
5.27	0.72	0.28	1.02	0.01	0.02	5.28	0.78	0.22	1.44	0.01	0.02
5.29	0.82	0.18	1.97	0.01	0.01	5.30	0.86	0.00	0.00	0.01	0.01
5.31	0.91	0.00	0.00	0.01	0.01	5.32	0.94	0.00	0.00	0.01	0.00
5.33	1.04	0.00	0.00	0.01	0.00	5.34	1.08	0.00	0.00	0.01	0.00
5.35	1.13	0.00	0.00	0.01	0.00	5.36	1.15	0.00	0.00	0.01	0.00
5.37	1.17	0.00	0.00	0.01	0.00	5.38	1.18	0.00	0.00	0.01	0.00
5.39	1.18	0.00	0.00	0.01	0.00	5.40	1.17	0.00	0.00	0.01	0.00
5.41	1.14	0.00	0.00	0.01	0.00	5.42	1.09	0.00	0.00	0.01	0.00
5.43	1.04	0.00	0.00	0.01	0.00	5.44	1.00	0.00	0.00	0.01	0.00
5.45	0.97	0.00	0.00	0.01	0.00	5.46	0.95	0.00	0.00	0.01	0.00
5.47	0.88	0.00	0.00	0.01	0.01	5.48	0.81	0.19	1.76	0.01	0.01
5.49	0.74	0.26	1.13	0.01	0.02	5.50	0.74	0.26	1.10	0.01	0.02
5.51	0.73	0.27	1.06	0.01	0.02	5.52	0.73	0.27	1.04	0.01	0.02
5.53	0.73	0.27	1.04	0.01	0.02	5.54	0.73	0.27	1.06	0.01	0.02
5.55	0.74	0.26	1.10	0.01	0.02	5.56	0.74	0.26	1.13	0.01	0.02
5.57	0.76	0.24	1.25	0.01	0.02	5.58	0.78	0.22	1.40	0.01	0.02
5.59	0.80	0.20	1.62	0.01	0.01	5.60	0.80	0.20	1.70	0.01	0.01
5.61	0.80	0.20	1.70	0.01	0.01	5.62	0.80	0.20	1.63	0.01	0.01
5.63	0.79	0.21	1.53	0.01	0.02	5.64	0.78	0.22	1.45	0.01	0.02
5.65	0.77	0.23	1.30	0.01	0.02	5.66	0.75	0.25	1.18	0.01	0.02
5.67	0.73	0.27	1.07	0.01	0.02	5.68	0.72	0.28	1.02	0.01	0.02
5.69	0.71	0.29	0.98	0.01	0.02	5.70	0.71	0.29	0.95	0.01	0.02
5.71	0.70	0.30	0.94	0.01	0.02	5.72	0.70	0.30	0.93	0.01	0.02
5.73	0.70	0.30	0.94	0.01	0.02	5.74	0.71	0.29	0.95	0.01	0.02
5.75	0.71	0.29	0.97	0.01	0.02	5.76	0.71	0.29	0.98	0.01	0.02

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
5.77	0.71	0.29	0.98	0.01	0.02	5.78	0.71	0.29	0.97	0.01	0.02
5.79	0.71	0.29	0.97	0.01	0.02	5.80	0.70	0.30	0.93	0.01	0.02
5.81	0.69	0.31	0.88	0.01	0.02	5.82	0.68	0.32	0.83	0.01	0.02
5.83	0.66	0.34	0.79	0.01	0.02	5.84	0.66	0.34	0.77	0.01	0.02
5.85	0.65	0.35	0.76	0.01	0.02	5.86	0.65	0.35	0.75	0.01	0.02
5.87	0.66	0.34	0.77	0.01	0.02	5.88	0.68	0.32	0.86	0.01	0.02
5.89	0.75	0.25	1.18	0.01	0.02	5.90	0.81	0.19	1.77	0.01	0.01
5.91	0.87	0.00	0.00	0.01	0.01	5.92	2.00	0.00	0.00	0.01	0.00
5.93	2.00	0.00	0.00	0.01	0.00	5.94	2.00	0.00	0.00	0.01	0.00
5.95	2.00	0.00	0.00	0.01	0.00	5.96	2.00	0.00	0.00	0.01	0.00
5.97	2.00	0.00	0.00	0.01	0.00	5.98	2.00	0.00	0.00	0.01	0.00
5.99	2.00	0.00	0.00	0.01	0.00	6.00	2.00	0.00	0.00	0.01	0.00
6.01	1.18	0.00	0.00	0.01	0.00	6.02	1.12	0.00	0.00	0.01	0.00
6.03	0.98	0.00	0.00	0.01	0.00	6.04	0.87	0.00	0.00	0.01	0.01
6.05	0.78	0.22	1.47	0.01	0.02	6.06	0.74	0.26	1.13	0.01	0.02
6.07	0.71	0.29	0.94	0.01	0.02	6.08	0.68	0.32	0.84	0.01	0.02
6.09	0.66	0.34	0.79	0.01	0.02	6.10	0.64	0.36	0.73	0.01	0.02
6.11	0.63	0.37	0.69	0.01	0.03	6.12	0.61	0.39	0.66	0.01	0.03
6.13	0.61	0.39	0.65	0.01	0.03	6.14	0.62	0.38	0.67	0.01	0.03
6.15	0.63	0.37	0.70	0.01	0.03	6.16	0.65	0.35	0.76	0.01	0.02
6.17	0.67	0.33	0.82	0.01	0.02	6.18	0.72	0.28	1.03	0.01	0.02
6.19	0.63	0.37	0.69	0.01	0.03	6.20	0.69	0.31	0.87	0.01	0.02
6.21	0.71	0.29	0.96	0.01	0.02	6.22	0.72	0.28	1.04	0.01	0.02
6.23	0.73	0.27	1.07	0.01	0.02	6.24	0.73	0.27	1.08	0.01	0.02
6.25	0.74	0.26	1.11	0.01	0.02	6.26	0.91	0.00	0.00	0.01	0.01
6.27	0.93	0.00	0.00	0.01	0.00	6.28	0.94	0.00	0.00	0.01	0.00
6.29	0.96	0.00	0.00	0.01	0.00	6.30	0.97	0.00	0.00	0.01	0.00
6.31	0.98	0.00	0.00	0.01	0.00	6.32	0.99	0.00	0.00	0.01	0.00
6.33	1.00	0.00	0.00	0.01	0.00	6.34	1.00	0.00	0.00	0.01	0.00
6.35	1.00	0.00	0.00	0.01	0.00	6.36	1.01	0.00	0.00	0.01	0.00
6.37	1.01	0.00	0.00	0.01	0.00	6.38	1.01	0.00	0.00	0.01	0.00
6.39	1.01	0.00	0.00	0.01	0.00	6.40	1.01	0.00	0.00	0.01	0.00
6.41	0.99	0.00	0.00	0.01	0.00	6.42	0.97	0.00	0.00	0.01	0.00
6.43	0.94	0.00	0.00	0.01	0.00	6.44	0.92	0.00	0.00	0.01	0.01
6.45	0.89	0.00	0.00	0.01	0.01	6.46	0.87	0.00	0.00	0.01	0.01
6.47	0.82	0.18	1.95	0.01	0.01	6.48	0.78	0.22	1.43	0.01	0.01
6.49	0.73	0.27	1.07	0.01	0.02	6.50	0.71	0.29	0.98	0.01	0.02
6.51	0.69	0.31	0.88	0.01	0.02	6.52	0.68	0.32	0.83	0.01	0.02
6.53	0.66	0.34	0.79	0.01	0.02	6.54	0.65	0.35	0.75	0.01	0.02
6.55	0.64	0.36	0.73	0.01	0.02	6.56	0.64	0.36	0.72	0.01	0.02
6.57	0.63	0.37	0.70	0.01	0.02	6.58	0.63	0.37	0.69	0.01	0.03
6.59	0.62	0.38	0.68	0.01	0.03	6.60	0.62	0.38	0.67	0.01	0.03
6.61	0.62	0.38	0.66	0.01	0.03	6.62	0.61	0.39	0.66	0.01	0.03
6.63	0.61	0.39	0.66	0.01	0.03	6.64	0.61	0.39	0.65	0.01	0.03
6.65	0.61	0.39	0.65	0.01	0.03	6.66	0.61	0.39	0.65	0.01	0.03
6.67	0.61	0.39	0.64	0.01	0.03	6.68	0.60	0.40	0.64	0.01	0.03
6.69	0.60	0.40	0.64	0.01	0.03	6.70	0.60	0.40	0.63	0.01	0.03
6.71	0.60	0.40	0.63	0.01	0.03	6.72	0.60	0.40	0.63	0.01	0.03

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
6.73	0.60	0.40	0.62	0.01	0.03	6.74	0.60	0.40	0.62	0.01	0.03
6.75	0.60	0.40	0.62	0.01	0.03	6.76	0.60	0.40	0.62	0.01	0.03
6.77	0.59	0.41	0.62	0.01	0.03	6.78	0.60	0.40	0.62	0.01	0.03
6.79	0.60	0.40	0.62	0.01	0.03	6.80	0.60	0.40	0.62	0.01	0.03
6.81	0.60	0.40	0.63	0.01	0.03	6.82	0.60	0.40	0.63	0.01	0.03
6.83	0.60	0.40	0.63	0.01	0.03	6.84	0.60	0.40	0.63	0.01	0.03
6.85	0.60	0.40	0.64	0.01	0.03	6.86	0.60	0.40	0.64	0.01	0.03
6.87	0.60	0.40	0.64	0.01	0.03	6.88	0.60	0.40	0.64	0.01	0.03
6.89	0.60	0.40	0.64	0.01	0.03	6.90	0.60	0.40	0.63	0.01	0.03
6.91	0.60	0.40	0.63	0.01	0.03	6.92	0.60	0.40	0.63	0.01	0.03
6.93	0.60	0.40	0.62	0.01	0.03	6.94	0.59	0.41	0.62	0.01	0.03
6.95	0.59	0.41	0.62	0.01	0.03	6.96	0.60	0.40	0.63	0.01	0.03
6.97	0.60	0.40	0.63	0.01	0.03	6.98	0.61	0.39	0.64	0.01	0.03
6.99	0.62	0.38	0.67	0.01	0.02	7.00	0.63	0.37	0.69	0.01	0.02
7.01	0.64	0.36	0.73	0.01	0.02	7.02	0.64	0.36	0.73	0.01	0.02
7.03	0.64	0.36	0.72	0.01	0.02	7.04	0.63	0.37	0.70	0.01	0.02
7.05	0.63	0.37	0.69	0.01	0.02	7.06	0.62	0.38	0.67	0.01	0.02
7.07	0.61	0.39	0.65	0.01	0.03	7.08	0.60	0.40	0.63	0.01	0.03
7.09	0.60	0.40	0.62	0.01	0.03	7.10	0.59	0.41	0.62	0.01	0.03
7.11	0.59	0.41	0.62	0.01	0.03	7.12	0.60	0.40	0.62	0.01	0.03
7.13	0.61	0.39	0.64	0.01	0.03	7.14	0.62	0.38	0.67	0.01	0.02
7.15	0.53	0.47	0.52	0.01	0.03	7.16	0.55	0.45	0.54	0.01	0.03
7.17	0.57	0.43	0.58	0.01	0.03	7.18	0.60	0.40	0.62	0.01	0.03
7.19	0.61	0.39	0.66	0.01	0.02	7.20	0.65	0.35	0.74	0.01	0.02
7.21	0.68	0.32	0.83	0.01	0.02	7.22	0.71	0.29	0.98	0.01	0.02
7.23	0.73	0.27	1.06	0.01	0.02	7.24	0.74	0.26	1.14	0.01	0.02
7.25	0.76	0.24	1.23	0.01	0.02	7.26	0.76	0.24	1.29	0.01	0.02
7.27	0.79	0.21	1.51	0.01	0.01	7.28	0.81	0.19	1.86	0.01	0.01
7.29	0.85	0.15	2.55	0.01	0.01	7.30	0.86	0.00	0.00	0.01	0.01
7.31	0.86	0.00	0.00	0.01	0.01	7.32	0.86	0.00	0.00	0.01	0.01
7.33	0.85	0.15	2.70	0.01	0.01	7.34	0.84	0.16	2.35	0.01	0.01
7.35	0.83	0.17	2.06	0.01	0.01	7.36	0.81	0.19	1.80	0.01	0.01
7.37	0.80	0.20	1.63	0.01	0.01	7.38	0.79	0.21	1.49	0.01	0.01
7.39	0.92	0.00	0.00	0.01	0.00	7.40	0.94	0.00	0.00	0.01	0.00
7.41	0.94	0.00	0.00	0.01	0.00	7.42	0.93	0.00	0.00	0.01	0.00
7.43	0.91	0.00	0.00	0.01	0.01	7.44	0.89	0.00	0.00	0.01	0.01
7.45	0.88	0.00	0.00	0.01	0.01	7.46	0.87	0.00	0.00	0.01	0.01
7.47	0.87	0.00	0.00	0.01	0.01	7.48	0.83	0.17	2.14	0.01	0.01
7.49	0.78	0.22	1.48	0.01	0.01	7.50	0.61	0.39	0.65	0.01	0.02
7.51	0.60	0.40	0.63	0.01	0.03	7.52	0.59	0.41	0.60	0.01	0.03
7.53	0.70	0.30	0.94	0.01	0.02	7.54	0.70	0.30	0.90	0.01	0.02
7.55	0.69	0.31	0.87	0.01	0.02	7.56	0.68	0.32	0.85	0.01	0.02
7.57	0.68	0.32	0.83	0.01	0.02	7.58	0.67	0.33	0.81	0.01	0.02
7.59	0.66	0.34	0.79	0.01	0.02	7.60	0.65	0.35	0.76	0.01	0.02
7.61	0.65	0.35	0.74	0.01	0.02	7.62	0.64	0.36	0.73	0.01	0.02
7.63	0.64	0.36	0.72	0.01	0.02	7.64	0.63	0.37	0.70	0.01	0.02
7.65	0.63	0.37	0.70	0.01	0.02	7.66	0.62	0.38	0.68	0.01	0.02
7.67	0.62	0.38	0.66	0.01	0.02	7.68	0.61	0.39	0.65	0.01	0.02

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
7.69	0.60	0.40	0.63	0.01	0.02	7.70	0.60	0.40	0.62	0.01	0.02
7.71	0.59	0.41	0.61	0.01	0.03	7.72	0.58	0.42	0.60	0.01	0.03
7.73	0.58	0.42	0.58	0.01	0.03	7.74	0.57	0.43	0.57	0.01	0.03
7.75	0.56	0.44	0.56	0.01	0.03	7.76	0.55	0.45	0.55	0.01	0.03
7.77	0.55	0.45	0.55	0.01	0.03	7.78	0.55	0.45	0.54	0.01	0.03
7.79	0.55	0.45	0.54	0.01	0.03	7.80	0.55	0.45	0.54	0.01	0.03
7.81	0.55	0.45	0.54	0.01	0.03	7.82	0.55	0.45	0.54	0.01	0.03
7.83	0.55	0.45	0.55	0.01	0.03	7.84	0.55	0.45	0.55	0.01	0.03
7.85	0.55	0.45	0.55	0.01	0.03	7.86	0.56	0.44	0.55	0.01	0.03
7.87	0.56	0.44	0.55	0.01	0.03	7.88	0.56	0.44	0.55	0.01	0.03
7.89	0.55	0.45	0.55	0.01	0.03	7.90	0.55	0.45	0.55	0.01	0.03
7.91	0.55	0.45	0.55	0.01	0.03	7.92	0.55	0.45	0.54	0.01	0.03
7.93	0.55	0.45	0.54	0.01	0.03	7.94	0.55	0.45	0.54	0.01	0.03
7.95	0.55	0.45	0.54	0.01	0.03	7.96	0.55	0.45	0.55	0.01	0.03
7.97	0.55	0.45	0.55	0.01	0.03	7.98	0.55	0.45	0.55	0.01	0.03
7.99	0.55	0.45	0.55	0.01	0.03	8.00	0.55	0.45	0.55	0.01	0.03
8.01	0.55	0.45	0.55	0.01	0.03	8.02	0.55	0.45	0.55	0.01	0.03
8.03	0.55	0.45	0.55	0.01	0.03	8.04	0.55	0.45	0.54	0.01	0.03
8.05	0.55	0.45	0.54	0.01	0.03	8.06	0.55	0.45	0.54	0.01	0.03
8.07	0.55	0.45	0.54	0.01	0.03	8.08	0.55	0.45	0.54	0.01	0.03
8.09	0.55	0.45	0.54	0.01	0.03	8.10	0.54	0.46	0.54	0.01	0.03
8.11	0.54	0.46	0.53	0.01	0.03	8.12	0.54	0.46	0.53	0.01	0.03
8.13	0.54	0.46	0.53	0.01	0.03	8.14	0.54	0.46	0.53	0.01	0.03
8.15	0.54	0.46	0.53	0.01	0.03	8.16	0.54	0.46	0.53	0.01	0.03
8.17	0.53	0.47	0.52	0.01	0.03	8.18	0.53	0.47	0.52	0.01	0.03
8.19	0.53	0.47	0.52	0.01	0.03	8.20	0.53	0.47	0.52	0.01	0.03
8.21	0.54	0.46	0.52	0.01	0.03	8.22	0.55	0.45	0.55	0.01	0.03
8.23	0.59	0.41	0.62	0.01	0.02	8.24	0.63	0.37	0.70	0.01	0.02
8.25	2.00	0.00	0.00	0.01	0.00	8.26	2.00	0.00	0.00	0.01	0.00
8.27	2.00	0.00	0.00	0.01	0.00	8.28	2.00	0.00	0.00	0.01	0.00
8.29	2.00	0.00	0.00	0.01	0.00	8.30	2.00	0.00	0.00	0.01	0.00
8.31	2.00	0.00	0.00	0.01	0.00	8.32	2.00	0.00	0.00	0.01	0.00
8.33	2.00	0.00	0.00	0.01	0.00	8.34	2.00	0.00	0.00	0.01	0.00
8.35	2.00	0.00	0.00	0.01	0.00	8.36	2.00	0.00	0.00	0.01	0.00
8.37	2.00	0.00	0.00	0.01	0.00	8.38	2.00	0.00	0.00	0.01	0.00
8.39	2.00	0.00	0.00	0.01	0.00	8.40	2.00	0.00	0.00	0.01	0.00
8.41	2.00	0.00	0.00	0.01	0.00	8.42	2.00	0.00	0.00	0.01	0.00
8.43	2.00	0.00	0.00	0.01	0.00	8.44	2.00	0.00	0.00	0.01	0.00
8.45	2.00	0.00	0.00	0.01	0.00	8.46	2.00	0.00	0.00	0.01	0.00
8.47	2.00	0.00	0.00	0.01	0.00	8.48	2.00	0.00	0.00	0.01	0.00
8.49	2.00	0.00	0.00	0.01	0.00	8.50	2.00	0.00	0.00	0.01	0.00
8.51	2.00	0.00	0.00	0.01	0.00	8.52	2.00	0.00	0.00	0.01	0.00
8.53	2.00	0.00	0.00	0.01	0.00	8.54	2.00	0.00	0.00	0.01	0.00
8.55	2.00	0.00	0.00	0.01	0.00	8.56	2.00	0.00	0.00	0.01	0.00
8.57	2.00	0.00	0.00	0.01	0.00	8.58	2.00	0.00	0.00	0.01	0.00
8.59	2.00	0.00	0.00	0.01	0.00	8.60	2.00	0.00	0.00	0.01	0.00
8.61	2.00	0.00	0.00	0.01	0.00	8.62	2.00	0.00	0.00	0.01	0.00
8.63	2.00	0.00	0.00	0.01	0.00	8.64	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
8.65	2.00	0.00	0.00	0.01	0.00	8.66	2.00	0.00	0.00	0.01	0.00
8.67	2.00	0.00	0.00	0.01	0.00	8.68	2.00	0.00	0.00	0.01	0.00
8.69	2.00	0.00	0.00	0.01	0.00	8.70	2.00	0.00	0.00	0.01	0.00
8.71	2.00	0.00	0.00	0.01	0.00	8.72	2.00	0.00	0.00	0.01	0.00
8.73	2.00	0.00	0.00	0.01	0.00	8.74	2.00	0.00	0.00	0.01	0.00
8.75	2.00	0.00	0.00	0.01	0.00	8.76	2.00	0.00	0.00	0.01	0.00
8.77	2.00	0.00	0.00	0.01	0.00	8.78	2.00	0.00	0.00	0.01	0.00
8.79	2.00	0.00	0.00	0.01	0.00	8.80	2.00	0.00	0.00	0.01	0.00
8.81	2.00	0.00	0.00	0.01	0.00	8.82	2.00	0.00	0.00	0.01	0.00
8.83	2.00	0.00	0.00	0.01	0.00	8.84	2.00	0.00	0.00	0.01	0.00
8.85	2.00	0.00	0.00	0.01	0.00	8.86	2.00	0.00	0.00	0.01	0.00
8.87	2.00	0.00	0.00	0.01	0.00	8.88	2.00	0.00	0.00	0.01	0.00
8.89	2.00	0.00	0.00	0.01	0.00	8.90	2.00	0.00	0.00	0.01	0.00
8.91	2.00	0.00	0.00	0.01	0.00	8.92	2.00	0.00	0.00	0.01	0.00
8.93	2.00	0.00	0.00	0.01	0.00	8.94	2.00	0.00	0.00	0.01	0.00
8.95	2.00	0.00	0.00	0.01	0.00	8.96	2.00	0.00	0.00	0.01	0.00
8.97	2.00	0.00	0.00	0.01	0.00	8.98	2.00	0.00	0.00	0.01	0.00
8.99	2.00	0.00	0.00	0.01	0.00	9.00	2.00	0.00	0.00	0.01	0.00
9.01	2.00	0.00	0.00	0.01	0.00	9.02	2.00	0.00	0.00	0.01	0.00
9.03	2.00	0.00	0.00	0.01	0.00	9.04	2.00	0.00	0.00	0.01	0.00
9.05	2.00	0.00	0.00	0.01	0.00	9.06	2.00	0.00	0.00	0.01	0.00
9.07	2.00	0.00	0.00	0.01	0.00	9.08	2.00	0.00	0.00	0.01	0.00
9.09	2.00	0.00	0.00	0.01	0.00	9.10	2.00	0.00	0.00	0.01	0.00
9.11	2.00	0.00	0.00	0.01	0.00	9.12	2.00	0.00	0.00	0.01	0.00
9.13	2.00	0.00	0.00	0.01	0.00	9.14	2.00	0.00	0.00	0.01	0.00
9.15	2.00	0.00	0.00	0.01	0.00	9.16	2.00	0.00	0.00	0.01	0.00
9.17	2.00	0.00	0.00	0.01	0.00	9.18	2.00	0.00	0.00	0.01	0.00
9.19	2.00	0.00	0.00	0.01	0.00	9.20	2.00	0.00	0.00	0.01	0.00
9.21	2.00	0.00	0.00	0.01	0.00	9.22	2.00	0.00	0.00	0.01	0.00
9.23	2.00	0.00	0.00	0.01	0.00	9.24	2.00	0.00	0.00	0.01	0.00
9.25	2.00	0.00	0.00	0.01	0.00	9.26	2.00	0.00	0.00	0.01	0.00
9.27	2.00	0.00	0.00	0.01	0.00	9.28	2.00	0.00	0.00	0.01	0.00
9.29	2.00	0.00	0.00	0.01	0.00	9.30	2.00	0.00	0.00	0.01	0.00
9.31	2.00	0.00	0.00	0.01	0.00	9.32	2.00	0.00	0.00	0.01	0.00
9.33	2.00	0.00	0.00	0.01	0.00	9.34	2.00	0.00	0.00	0.01	0.00
9.35	2.00	0.00	0.00	0.01	0.00	9.36	2.00	0.00	0.00	0.01	0.00
9.37	2.00	0.00	0.00	0.01	0.00	9.38	2.00	0.00	0.00	0.01	0.00
9.39	2.00	0.00	0.00	0.01	0.00	9.40	2.00	0.00	0.00	0.01	0.00
9.41	2.00	0.00	0.00	0.01	0.00	9.42	2.00	0.00	0.00	0.01	0.00
9.43	2.00	0.00	0.00	0.01	0.00	9.44	2.00	0.00	0.00	0.01	0.00
9.45	2.00	0.00	0.00	0.01	0.00	9.46	2.00	0.00	0.00	0.01	0.00
9.47	2.00	0.00	0.00	0.01	0.00	9.48	2.00	0.00	0.00	0.01	0.00
9.49	2.00	0.00	0.00	0.01	0.00	9.50	2.00	0.00	0.00	0.01	0.00
9.51	2.00	0.00	0.00	0.01	0.00	9.52	2.00	0.00	0.00	0.01	0.00
9.53	2.00	0.00	0.00	0.01	0.00	9.54	2.00	0.00	0.00	0.01	0.00
9.55	2.00	0.00	0.00	0.01	0.00	9.56	2.00	0.00	0.00	0.01	0.00
9.57	2.00	0.00	0.00	0.01	0.00	9.58	2.00	0.00	0.00	0.01	0.00
9.59	2.00	0.00	0.00	0.01	0.00	9.60	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
9.61	2.00	0.00	0.00	0.01	0.00	9.62	2.00	0.00	0.00	0.01	0.00
9.63	2.00	0.00	0.00	0.01	0.00	9.64	2.00	0.00	0.00	0.01	0.00
9.65	2.00	0.00	0.00	0.01	0.00	9.66	2.00	0.00	0.00	0.01	0.00
9.67	2.00	0.00	0.00	0.01	0.00	9.68	2.00	0.00	0.00	0.01	0.00
9.69	2.00	0.00	0.00	0.01	0.00	9.70	2.00	0.00	0.00	0.01	0.00
9.71	2.00	0.00	0.00	0.01	0.00	9.72	2.00	0.00	0.00	0.01	0.00
9.73	2.00	0.00	0.00	0.01	0.00	9.74	2.00	0.00	0.00	0.01	0.00
9.75	2.00	0.00	0.00	0.01	0.00	9.76	2.00	0.00	0.00	0.01	0.00
9.77	2.00	0.00	0.00	0.01	0.00	9.78	2.00	0.00	0.00	0.01	0.00
9.79	2.00	0.00	0.00	0.01	0.00	9.80	2.00	0.00	0.00	0.01	0.00
9.81	2.00	0.00	0.00	0.01	0.00	9.82	2.00	0.00	0.00	0.01	0.00
9.83	2.00	0.00	0.00	0.01	0.00	9.84	2.00	0.00	0.00	0.01	0.00
9.85	2.00	0.00	0.00	0.01	0.00	9.86	2.00	0.00	0.00	0.01	0.00
9.87	2.00	0.00	0.00	0.01	0.00	9.88	2.00	0.00	0.00	0.01	0.00
9.89	2.00	0.00	0.00	0.01	0.00	9.90	2.00	0.00	0.00	0.01	0.00
9.91	2.00	0.00	0.00	0.01	0.00	9.92	2.00	0.00	0.00	0.01	0.00
9.93	2.00	0.00	0.00	0.01	0.00	9.94	2.00	0.00	0.00	0.01	0.00
9.95	2.00	0.00	0.00	0.01	0.00	9.96	2.00	0.00	0.00	0.01	0.00
9.97	2.00	0.00	0.00	0.01	0.00	9.98	2.00	0.00	0.00	0.01	0.00
9.99	2.00	0.00	0.00	0.01	0.00	10.00	2.00	0.00	0.00	0.01	0.00
10.01	2.00	0.00	0.00	0.01	0.00	10.02	2.00	0.00	0.00	0.01	0.00
10.03	2.00	0.00	0.00	0.01	0.00	10.04	2.00	0.00	0.00	0.01	0.00
10.05	2.00	0.00	0.00	0.01	0.00	10.06	2.00	0.00	0.00	0.01	0.00
10.07	2.00	0.00	0.00	0.01	0.00	10.08	2.00	0.00	0.00	0.01	0.00
10.09	2.00	0.00	0.00	0.01	0.00	10.10	2.00	0.00	0.00	0.01	0.00
10.11	2.00	0.00	0.00	0.01	0.00	10.12	2.00	0.00	0.00	0.01	0.00
10.13	2.00	0.00	0.00	0.01	0.00	10.14	2.00	0.00	0.00	0.01	0.00
10.15	2.00	0.00	0.00	0.01	0.00	10.16	2.00	0.00	0.00	0.01	0.00
10.17	2.00	0.00	0.00	0.01	0.00	10.18	2.00	0.00	0.00	0.01	0.00
10.19	2.00	0.00	0.00	0.01	0.00	10.20	2.00	0.00	0.00	0.01	0.00
10.21	2.00	0.00	0.00	0.01	0.00	10.22	2.00	0.00	0.00	0.01	0.00
10.23	2.00	0.00	0.00	0.01	0.00	10.24	2.00	0.00	0.00	0.01	0.00
10.25	2.00	0.00	0.00	0.01	0.00	10.26	2.00	0.00	0.00	0.01	0.00
10.27	2.00	0.00	0.00	0.01	0.00	10.28	2.00	0.00	0.00	0.01	0.00
10.29	2.00	0.00	0.00	0.01	0.00	10.30	2.00	0.00	0.00	0.01	0.00
10.31	2.00	0.00	0.00	0.01	0.00	10.32	2.00	0.00	0.00	0.01	0.00
10.33	2.00	0.00	0.00	0.01	0.00	10.34	2.00	0.00	0.00	0.01	0.00
10.35	2.00	0.00	0.00	0.01	0.00	10.36	2.00	0.00	0.00	0.01	0.00
10.37	2.00	0.00	0.00	0.01	0.00	10.38	2.00	0.00	0.00	0.01	0.00
10.39	2.00	0.00	0.00	0.01	0.00	10.40	2.00	0.00	0.00	0.01	0.00
10.41	2.00	0.00	0.00	0.01	0.00	10.42	2.00	0.00	0.00	0.01	0.00
10.43	0.48	0.52	0.46	0.01	0.02	10.44	0.50	0.50	0.48	0.01	0.02
10.45	0.51	0.49	0.49	0.01	0.02	10.46	0.52	0.48	0.50	0.01	0.02
10.47	0.52	0.48	0.50	0.01	0.02	10.48	0.52	0.48	0.50	0.01	0.02
10.49	0.52	0.48	0.50	0.01	0.02	10.50	0.52	0.48	0.51	0.01	0.02
10.51	0.53	0.47	0.51	0.01	0.02	10.52	0.54	0.46	0.53	0.01	0.02
10.53	0.55	0.45	0.54	0.01	0.02	10.54	0.55	0.45	0.55	0.01	0.02
10.55	0.55	0.45	0.55	0.01	0.02	10.56	0.54	0.46	0.53	0.01	0.02

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
10.57	0.54	0.46	0.52	0.01	0.02	10.58	0.51	0.49	0.50	0.01	0.02
10.59	0.50	0.50	0.47	0.01	0.02	10.60	0.48	0.52	0.45	0.01	0.02
10.61	0.47	0.53	0.45	0.01	0.02	10.62	0.48	0.52	0.45	0.01	0.02
10.63	0.49	0.51	0.47	0.01	0.02	10.64	0.52	0.48	0.51	0.01	0.02
10.65	0.58	0.42	0.59	0.01	0.02	10.66	2.00	0.00	0.00	0.01	0.00
10.67	2.00	0.00	0.00	0.01	0.00	10.68	2.00	0.00	0.00	0.01	0.00
10.69	2.00	0.00	0.00	0.01	0.00	10.70	2.00	0.00	0.00	0.01	0.00
10.71	2.00	0.00	0.00	0.01	0.00	10.72	2.00	0.00	0.00	0.01	0.00
10.73	2.00	0.00	0.00	0.01	0.00	10.74	2.00	0.00	0.00	0.01	0.00
10.75	2.00	0.00	0.00	0.01	0.00	10.76	2.00	0.00	0.00	0.01	0.00
10.77	2.00	0.00	0.00	0.01	0.00	10.78	2.00	0.00	0.00	0.01	0.00
10.79	2.00	0.00	0.00	0.01	0.00	10.80	2.00	0.00	0.00	0.01	0.00
10.81	2.00	0.00	0.00	0.01	0.00	10.82	2.00	0.00	0.00	0.01	0.00
10.83	2.00	0.00	0.00	0.01	0.00	10.84	2.00	0.00	0.00	0.01	0.00
10.85	2.00	0.00	0.00	0.01	0.00	10.86	2.00	0.00	0.00	0.01	0.00
10.87	2.00	0.00	0.00	0.01	0.00	10.88	2.00	0.00	0.00	0.01	0.00
10.89	2.00	0.00	0.00	0.01	0.00	10.90	2.00	0.00	0.00	0.01	0.00
10.91	2.00	0.00	0.00	0.01	0.00	10.92	2.00	0.00	0.00	0.01	0.00
10.93	2.00	0.00	0.00	0.01	0.00	10.94	2.00	0.00	0.00	0.01	0.00
10.95	2.00	0.00	0.00	0.01	0.00	10.96	2.00	0.00	0.00	0.01	0.00
10.97	2.00	0.00	0.00	0.01	0.00	10.98	2.00	0.00	0.00	0.01	0.00
10.99	2.00	0.00	0.00	0.01	0.00	11.00	2.00	0.00	0.00	0.01	0.00
11.01	2.00	0.00	0.00	0.01	0.00	11.02	2.00	0.00	0.00	0.01	0.00
11.03	2.00	0.00	0.00	0.01	0.00	11.04	2.00	0.00	0.00	0.01	0.00
11.05	2.00	0.00	0.00	0.01	0.00	11.06	2.00	0.00	0.00	0.01	0.00
11.07	2.00	0.00	0.00	0.01	0.00	11.08	2.00	0.00	0.00	0.01	0.00
11.09	2.00	0.00	0.00	0.01	0.00	11.10	2.00	0.00	0.00	0.01	0.00
11.11	2.00	0.00	0.00	0.01	0.00	11.12	2.00	0.00	0.00	0.01	0.00
11.13	2.00	0.00	0.00	0.01	0.00	11.14	2.00	0.00	0.00	0.01	0.00
11.15	2.00	0.00	0.00	0.01	0.00	11.16	2.00	0.00	0.00	0.01	0.00
11.17	2.00	0.00	0.00	0.01	0.00	11.18	2.00	0.00	0.00	0.01	0.00
11.19	2.00	0.00	0.00	0.01	0.00	11.20	2.00	0.00	0.00	0.01	0.00
11.21	2.00	0.00	0.00	0.01	0.00	11.22	2.00	0.00	0.00	0.01	0.00
11.23	2.00	0.00	0.00	0.01	0.00	11.24	2.00	0.00	0.00	0.01	0.00
11.25	2.00	0.00	0.00	0.01	0.00	11.26	2.00	0.00	0.00	0.01	0.00
11.27	2.00	0.00	0.00	0.01	0.00	11.28	2.00	0.00	0.00	0.01	0.00
11.29	2.00	0.00	0.00	0.01	0.00	11.30	2.00	0.00	0.00	0.01	0.00
11.31	2.00	0.00	0.00	0.01	0.00	11.32	2.00	0.00	0.00	0.01	0.00
11.33	2.00	0.00	0.00	0.01	0.00	11.34	2.00	0.00	0.00	0.01	0.00
11.35	2.00	0.00	0.00	0.01	0.00	11.36	2.00	0.00	0.00	0.01	0.00
11.37	2.00	0.00	0.00	0.01	0.00	11.38	2.00	0.00	0.00	0.01	0.00
11.39	2.00	0.00	0.00	0.01	0.00	11.40	2.00	0.00	0.00	0.01	0.00
11.41	2.00	0.00	0.00	0.01	0.00	11.42	2.00	0.00	0.00	0.01	0.00
11.43	2.00	0.00	0.00	0.01	0.00	11.44	2.00	0.00	0.00	0.01	0.00
11.45	2.00	0.00	0.00	0.01	0.00	11.46	2.00	0.00	0.00	0.01	0.00
11.47	2.00	0.00	0.00	0.01	0.00	11.48	2.00	0.00	0.00	0.01	0.00
11.49	2.00	0.00	0.00	0.01	0.00	11.50	2.00	0.00	0.00	0.01	0.00
11.51	2.00	0.00	0.00	0.01	0.00	11.52	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
11.53	2.00	0.00	0.00	0.01	0.00	11.54	2.00	0.00	0.00	0.01	0.00
11.55	2.00	0.00	0.00	0.01	0.00	11.56	2.00	0.00	0.00	0.01	0.00
11.57	2.00	0.00	0.00	0.01	0.00	11.58	2.00	0.00	0.00	0.01	0.00
11.59	2.00	0.00	0.00	0.01	0.00	11.60	2.00	0.00	0.00	0.01	0.00
11.61	2.00	0.00	0.00	0.01	0.00	11.62	2.00	0.00	0.00	0.01	0.00
11.63	2.00	0.00	0.00	0.01	0.00	11.64	2.00	0.00	0.00	0.01	0.00
11.65	2.00	0.00	0.00	0.01	0.00	11.66	2.00	0.00	0.00	0.01	0.00
11.67	2.00	0.00	0.00	0.01	0.00	11.68	2.00	0.00	0.00	0.01	0.00
11.69	2.00	0.00	0.00	0.01	0.00	11.70	2.00	0.00	0.00	0.01	0.00
11.71	2.00	0.00	0.00	0.01	0.00	11.72	2.00	0.00	0.00	0.01	0.00
11.73	2.00	0.00	0.00	0.01	0.00	11.74	2.00	0.00	0.00	0.01	0.00
11.75	2.00	0.00	0.00	0.01	0.00	11.76	2.00	0.00	0.00	0.01	0.00
11.77	2.00	0.00	0.00	0.01	0.00	11.78	2.00	0.00	0.00	0.01	0.00
11.79	2.00	0.00	0.00	0.01	0.00	11.80	2.00	0.00	0.00	0.01	0.00
11.81	2.00	0.00	0.00	0.01	0.00	11.82	2.00	0.00	0.00	0.01	0.00
11.83	2.00	0.00	0.00	0.01	0.00	11.84	2.00	0.00	0.00	0.01	0.00
11.85	2.00	0.00	0.00	0.01	0.00	11.86	2.00	0.00	0.00	0.01	0.00
11.87	2.00	0.00	0.00	0.01	0.00	11.88	2.00	0.00	0.00	0.01	0.00
11.89	2.00	0.00	0.00	0.01	0.00	11.90	2.00	0.00	0.00	0.01	0.00
11.91	2.00	0.00	0.00	0.01	0.00	11.92	2.00	0.00	0.00	0.01	0.00
11.93	2.00	0.00	0.00	0.01	0.00	11.94	2.00	0.00	0.00	0.01	0.00
11.95	2.00	0.00	0.00	0.01	0.00	11.96	2.00	0.00	0.00	0.01	0.00
11.97	2.00	0.00	0.00	0.01	0.00	11.98	2.00	0.00	0.00	0.01	0.00
11.99	2.00	0.00	0.00	0.01	0.00	12.00	2.00	0.00	0.00	0.01	0.00
12.01	2.00	0.00	0.00	0.01	0.00	12.02	2.00	0.00	0.00	0.01	0.00
12.03	2.00	0.00	0.00	0.01	0.00	12.04	2.00	0.00	0.00	0.01	0.00
12.05	2.00	0.00	0.00	0.01	0.00	12.06	2.00	0.00	0.00	0.01	0.00
12.07	2.00	0.00	0.00	0.01	0.00	12.08	2.00	0.00	0.00	0.01	0.00
12.09	2.00	0.00	0.00	0.01	0.00	12.10	2.00	0.00	0.00	0.01	0.00
12.11	2.00	0.00	0.00	0.01	0.00	12.12	2.00	0.00	0.00	0.01	0.00
12.13	2.00	0.00	0.00	0.01	0.00	12.14	2.00	0.00	0.00	0.01	0.00
12.15	2.00	0.00	0.00	0.01	0.00	12.16	2.00	0.00	0.00	0.01	0.00
12.17	2.00	0.00	0.00	0.01	0.00	12.18	2.00	0.00	0.00	0.01	0.00
12.19	2.00	0.00	0.00	0.01	0.00	12.20	2.00	0.00	0.00	0.01	0.00
12.21	2.00	0.00	0.00	0.01	0.00	12.22	2.00	0.00	0.00	0.01	0.00
12.23	2.00	0.00	0.00	0.01	0.00	12.24	2.00	0.00	0.00	0.01	0.00
12.25	2.00	0.00	0.00	0.01	0.00	12.26	2.00	0.00	0.00	0.01	0.00
12.27	2.00	0.00	0.00	0.01	0.00	12.28	2.00	0.00	0.00	0.01	0.00
12.29	2.00	0.00	0.00	0.01	0.00	12.30	2.00	0.00	0.00	0.01	0.00
12.31	2.00	0.00	0.00	0.01	0.00	12.32	2.00	0.00	0.00	0.01	0.00
12.33	2.00	0.00	0.00	0.01	0.00	12.34	2.00	0.00	0.00	0.01	0.00
12.35	2.00	0.00	0.00	0.01	0.00	12.36	2.00	0.00	0.00	0.01	0.00
12.37	2.00	0.00	0.00	0.01	0.00	12.38	2.00	0.00	0.00	0.01	0.00
12.39	2.00	0.00	0.00	0.01	0.00	12.40	2.00	0.00	0.00	0.01	0.00
12.41	2.00	0.00	0.00	0.01	0.00	12.42	2.00	0.00	0.00	0.01	0.00
12.43	2.00	0.00	0.00	0.01	0.00	12.44	2.00	0.00	0.00	0.01	0.00
12.45	2.00	0.00	0.00	0.01	0.00	12.46	2.00	0.00	0.00	0.01	0.00
12.47	2.00	0.00	0.00	0.01	0.00	12.48	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
12.49	2.00	0.00	0.00	0.01	0.00	12.50	2.00	0.00	0.00	0.01	0.00
12.51	2.00	0.00	0.00	0.01	0.00	12.52	2.00	0.00	0.00	0.01	0.00
12.53	2.00	0.00	0.00	0.01	0.00	12.54	2.00	0.00	0.00	0.01	0.00
12.55	2.00	0.00	0.00	0.01	0.00	12.56	2.00	0.00	0.00	0.01	0.00
12.57	2.00	0.00	0.00	0.01	0.00	12.58	2.00	0.00	0.00	0.01	0.00
12.59	2.00	0.00	0.00	0.01	0.00	12.60	2.00	0.00	0.00	0.01	0.00
12.61	2.00	0.00	0.00	0.01	0.00	12.62	2.00	0.00	0.00	0.01	0.00
12.63	2.00	0.00	0.00	0.01	0.00	12.64	2.00	0.00	0.00	0.01	0.00
12.65	2.00	0.00	0.00	0.01	0.00	12.66	2.00	0.00	0.00	0.01	0.00
12.67	2.00	0.00	0.00	0.01	0.00	12.68	2.00	0.00	0.00	0.01	0.00
12.69	2.00	0.00	0.00	0.01	0.00	12.70	2.00	0.00	0.00	0.01	0.00
12.71	2.00	0.00	0.00	0.01	0.00	12.72	2.00	0.00	0.00	0.01	0.00
12.73	2.00	0.00	0.00	0.01	0.00	12.74	2.00	0.00	0.00	0.01	0.00
12.75	2.00	0.00	0.00	0.01	0.00	12.76	2.00	0.00	0.00	0.01	0.00
12.77	2.00	0.00	0.00	0.01	0.00	12.78	2.00	0.00	0.00	0.01	0.00
12.79	2.00	0.00	0.00	0.01	0.00	12.80	2.00	0.00	0.00	0.01	0.00
12.81	2.00	0.00	0.00	0.01	0.00	12.82	2.00	0.00	0.00	0.01	0.00
12.83	2.00	0.00	0.00	0.01	0.00	12.84	2.00	0.00	0.00	0.01	0.00
12.85	2.00	0.00	0.00	0.01	0.00	12.86	2.00	0.00	0.00	0.01	0.00
12.87	2.00	0.00	0.00	0.01	0.00	12.88	2.00	0.00	0.00	0.01	0.00
12.89	2.00	0.00	0.00	0.01	0.00	12.90	2.00	0.00	0.00	0.01	0.00
12.91	2.00	0.00	0.00	0.01	0.00	12.92	2.00	0.00	0.00	0.01	0.00
12.93	2.00	0.00	0.00	0.01	0.00	12.94	2.00	0.00	0.00	0.01	0.00
12.95	2.00	0.00	0.00	0.01	0.00	12.96	2.00	0.00	0.00	0.01	0.00
12.97	2.00	0.00	0.00	0.01	0.00	12.98	2.00	0.00	0.00	0.01	0.00
12.99	2.00	0.00	0.00	0.01	0.00	13.00	2.00	0.00	0.00	0.01	0.00
13.01	2.00	0.00	0.00	0.01	0.00	13.02	2.00	0.00	0.00	0.01	0.00
13.03	2.00	0.00	0.00	0.01	0.00	13.04	2.00	0.00	0.00	0.01	0.00
13.05	2.00	0.00	0.00	0.01	0.00	13.06	2.00	0.00	0.00	0.01	0.00
13.07	2.00	0.00	0.00	0.01	0.00	13.08	2.00	0.00	0.00	0.01	0.00
13.09	2.00	0.00	0.00	0.01	0.00	13.10	2.00	0.00	0.00	0.01	0.00
13.11	2.00	0.00	0.00	0.01	0.00	13.12	2.00	0.00	0.00	0.01	0.00
13.13	2.00	0.00	0.00	0.01	0.00	13.14	2.00	0.00	0.00	0.01	0.00
13.15	2.00	0.00	0.00	0.01	0.00	13.16	2.00	0.00	0.00	0.01	0.00
13.17	2.00	0.00	0.00	0.01	0.00	13.18	2.00	0.00	0.00	0.01	0.00
13.19	2.00	0.00	0.00	0.01	0.00	13.20	2.00	0.00	0.00	0.01	0.00
13.21	2.00	0.00	0.00	0.01	0.00	13.22	2.00	0.00	0.00	0.01	0.00
13.23	2.00	0.00	0.00	0.01	0.00	13.24	2.00	0.00	0.00	0.01	0.00
13.25	2.00	0.00	0.00	0.01	0.00	13.26	2.00	0.00	0.00	0.01	0.00
13.27	2.00	0.00	0.00	0.01	0.00	13.28	2.00	0.00	0.00	0.01	0.00
13.29	2.00	0.00	0.00	0.01	0.00	13.30	2.00	0.00	0.00	0.01	0.00
13.31	2.00	0.00	0.00	0.01	0.00	13.32	2.00	0.00	0.00	0.01	0.00
13.33	2.00	0.00	0.00	0.01	0.00	13.34	2.00	0.00	0.00	0.01	0.00
13.35	2.00	0.00	0.00	0.01	0.00	13.36	2.00	0.00	0.00	0.01	0.00
13.37	2.00	0.00	0.00	0.01	0.00	13.38	2.00	0.00	0.00	0.01	0.00
13.39	2.00	0.00	0.00	0.01	0.00	13.40	2.00	0.00	0.00	0.01	0.00
13.41	2.00	0.00	0.00	0.01	0.00	13.42	2.00	0.00	0.00	0.01	0.00
13.43	2.00	0.00	0.00	0.01	0.00	13.44	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
13.45	2.00	0.00	0.00	0.01	0.00	13.46	2.00	0.00	0.00	0.01	0.00
13.47	2.00	0.00	0.00	0.01	0.00	13.48	2.00	0.00	0.00	0.01	0.00
13.49	2.00	0.00	0.00	0.01	0.00	13.50	2.00	0.00	0.00	0.01	0.00
13.51	2.00	0.00	0.00	0.01	0.00	13.52	2.00	0.00	0.00	0.01	0.00
13.53	2.00	0.00	0.00	0.01	0.00	13.54	2.00	0.00	0.00	0.01	0.00
13.55	2.00	0.00	0.00	0.01	0.00	13.56	2.00	0.00	0.00	0.01	0.00
13.57	2.00	0.00	0.00	0.01	0.00	13.58	2.00	0.00	0.00	0.01	0.00
13.59	2.00	0.00	0.00	0.01	0.00	13.60	2.00	0.00	0.00	0.01	0.00
13.61	2.00	0.00	0.00	0.01	0.00	13.62	2.00	0.00	0.00	0.01	0.00
13.63	2.00	0.00	0.00	0.01	0.00	13.64	2.00	0.00	0.00	0.01	0.00
13.65	2.00	0.00	0.00	0.01	0.00	13.66	2.00	0.00	0.00	0.01	0.00
13.67	2.00	0.00	0.00	0.01	0.00	13.68	2.00	0.00	0.00	0.01	0.00
13.69	2.00	0.00	0.00	0.01	0.00	13.70	2.00	0.00	0.00	0.01	0.00
13.71	2.00	0.00	0.00	0.01	0.00	13.72	2.00	0.00	0.00	0.01	0.00
13.73	2.00	0.00	0.00	0.01	0.00	13.74	2.00	0.00	0.00	0.01	0.00
13.75	2.00	0.00	0.00	0.01	0.00	13.76	2.00	0.00	0.00	0.01	0.00
13.77	2.00	0.00	0.00	0.01	0.00	13.78	2.00	0.00	0.00	0.01	0.00
13.79	2.00	0.00	0.00	0.01	0.00	13.80	2.00	0.00	0.00	0.01	0.00
13.81	2.00	0.00	0.00	0.01	0.00	13.82	2.00	0.00	0.00	0.01	0.00
13.83	2.00	0.00	0.00	0.01	0.00	13.84	2.00	0.00	0.00	0.01	0.00
13.85	2.00	0.00	0.00	0.01	0.00	13.86	2.00	0.00	0.00	0.01	0.00
13.87	2.00	0.00	0.00	0.01	0.00	13.88	2.00	0.00	0.00	0.01	0.00
13.89	2.00	0.00	0.00	0.01	0.00	13.90	2.00	0.00	0.00	0.01	0.00
13.91	2.00	0.00	0.00	0.01	0.00	13.92	2.00	0.00	0.00	0.01	0.00
13.93	2.00	0.00	0.00	0.01	0.00	13.94	2.00	0.00	0.00	0.01	0.00
13.95	2.00	0.00	0.00	0.01	0.00	13.96	2.00	0.00	0.00	0.01	0.00
13.97	2.00	0.00	0.00	0.01	0.00	13.98	2.00	0.00	0.00	0.01	0.00
13.99	2.00	0.00	0.00	0.01	0.00	14.00	2.00	0.00	0.00	0.01	0.00
14.01	2.00	0.00	0.00	0.01	0.00	14.02	2.00	0.00	0.00	0.01	0.00
14.03	2.00	0.00	0.00	0.01	0.00	14.04	2.00	0.00	0.00	0.01	0.00
14.05	2.00	0.00	0.00	0.01	0.00	14.06	2.00	0.00	0.00	0.01	0.00
14.07	2.00	0.00	0.00	0.01	0.00	14.08	2.00	0.00	0.00	0.01	0.00
14.09	2.00	0.00	0.00	0.01	0.00	14.10	2.00	0.00	0.00	0.01	0.00
14.11	2.00	0.00	0.00	0.01	0.00	14.12	2.00	0.00	0.00	0.01	0.00
14.13	2.00	0.00	0.00	0.01	0.00	14.14	2.00	0.00	0.00	0.01	0.00
14.15	2.00	0.00	0.00	0.01	0.00	14.16	2.00	0.00	0.00	0.01	0.00
14.17	2.00	0.00	0.00	0.01	0.00	14.18	2.00	0.00	0.00	0.01	0.00
14.19	2.00	0.00	0.00	0.01	0.00	14.20	2.00	0.00	0.00	0.01	0.00
14.21	2.00	0.00	0.00	0.01	0.00	14.22	2.00	0.00	0.00	0.01	0.00
14.23	2.00	0.00	0.00	0.01	0.00	14.24	2.00	0.00	0.00	0.01	0.00
14.25	2.00	0.00	0.00	0.01	0.00	14.26	2.00	0.00	0.00	0.01	0.00
14.27	2.00	0.00	0.00	0.01	0.00	14.28	2.00	0.00	0.00	0.01	0.00
14.29	2.00	0.00	0.00	0.01	0.00	14.30	2.00	0.00	0.00	0.01	0.00
14.31	2.00	0.00	0.00	0.01	0.00	14.32	2.00	0.00	0.00	0.01	0.00
14.33	2.00	0.00	0.00	0.01	0.00	14.34	2.00	0.00	0.00	0.01	0.00
14.35	2.00	0.00	0.00	0.01	0.00	14.36	2.00	0.00	0.00	0.01	0.00
14.37	2.00	0.00	0.00	0.01	0.00	14.38	2.00	0.00	0.00	0.01	0.00
14.39	2.00	0.00	0.00	0.01	0.00	14.40	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
14.41	2.00	0.00	0.00	0.01	0.00	14.42	2.00	0.00	0.00	0.01	0.00
14.43	2.00	0.00	0.00	0.01	0.00	14.44	2.00	0.00	0.00	0.01	0.00
14.45	2.00	0.00	0.00	0.01	0.00	14.46	2.00	0.00	0.00	0.01	0.00
14.47	2.00	0.00	0.00	0.01	0.00	14.48	2.00	0.00	0.00	0.01	0.00
14.49	2.00	0.00	0.00	0.01	0.00	14.50	2.00	0.00	0.00	0.01	0.00
14.51	2.00	0.00	0.00	0.01	0.00	14.52	2.00	0.00	0.00	0.01	0.00
14.53	2.00	0.00	0.00	0.01	0.00	14.54	2.00	0.00	0.00	0.01	0.00
14.55	2.00	0.00	0.00	0.01	0.00	14.56	2.00	0.00	0.00	0.01	0.00
14.57	2.00	0.00	0.00	0.01	0.00	14.58	2.00	0.00	0.00	0.01	0.00
14.59	2.00	0.00	0.00	0.01	0.00	14.60	2.00	0.00	0.00	0.01	0.00
14.61	2.00	0.00	0.00	0.01	0.00	14.62	2.00	0.00	0.00	0.01	0.00
14.63	2.00	0.00	0.00	0.01	0.00	14.64	2.00	0.00	0.00	0.01	0.00
14.65	2.00	0.00	0.00	0.01	0.00	14.66	2.00	0.00	0.00	0.01	0.00
14.67	2.00	0.00	0.00	0.01	0.00	14.68	2.00	0.00	0.00	0.01	0.00
14.69	2.00	0.00	0.00	0.01	0.00	14.70	2.00	0.00	0.00	0.01	0.00
14.71	2.00	0.00	0.00	0.01	0.00	14.72	2.00	0.00	0.00	0.01	0.00
14.73	2.00	0.00	0.00	0.01	0.00	14.74	2.00	0.00	0.00	0.01	0.00
14.75	2.00	0.00	0.00	0.01	0.00	14.76	2.00	0.00	0.00	0.01	0.00
14.77	2.00	0.00	0.00	0.01	0.00	14.78	2.00	0.00	0.00	0.01	0.00
14.79	2.00	0.00	0.00	0.01	0.00	14.80	2.00	0.00	0.00	0.01	0.00
14.81	2.00	0.00	0.00	0.01	0.00	14.82	2.00	0.00	0.00	0.01	0.00
14.83	2.00	0.00	0.00	0.01	0.00	14.84	2.00	0.00	0.00	0.01	0.00
14.85	2.00	0.00	0.00	0.01	0.00	14.86	2.00	0.00	0.00	0.01	0.00
14.87	2.00	0.00	0.00	0.01	0.00	14.88	2.00	0.00	0.00	0.01	0.00
14.89	2.00	0.00	0.00	0.01	0.00	14.90	2.00	0.00	0.00	0.01	0.00
14.91	2.00	0.00	0.00	0.01	0.00	14.92	2.00	0.00	0.00	0.01	0.00
14.93	2.00	0.00	0.00	0.01	0.00	14.94	2.00	0.00	0.00	0.01	0.00
14.95	2.00	0.00	0.00	0.01	0.00	14.96	2.00	0.00	0.00	0.01	0.00
14.97	2.00	0.00	0.00	0.01	0.00	14.98	2.00	0.00	0.00	0.01	0.00
14.99	2.00	0.00	0.00	0.01	0.00	15.00	2.00	0.00	0.00	0.01	0.00
15.01	2.00	0.00	0.00	0.01	0.00	15.02	2.00	0.00	0.00	0.01	0.00
15.03	2.00	0.00	0.00	0.01	0.00	15.04	2.00	0.00	0.00	0.01	0.00
15.05	2.00	0.00	0.00	0.01	0.00	15.06	2.00	0.00	0.00	0.01	0.00
15.07	2.00	0.00	0.00	0.01	0.00	15.08	2.00	0.00	0.00	0.01	0.00
15.09	2.00	0.00	0.00	0.01	0.00	15.10	2.00	0.00	0.00	0.01	0.00
15.11	2.00	0.00	0.00	0.01	0.00	15.12	2.00	0.00	0.00	0.01	0.00
15.13	2.00	0.00	0.00	0.01	0.00	15.14	2.00	0.00	0.00	0.01	0.00
15.15	2.00	0.00	0.00	0.01	0.00	15.16	2.00	0.00	0.00	0.01	0.00
15.17	2.00	0.00	0.00	0.01	0.00	15.18	2.00	0.00	0.00	0.01	0.00
15.19	2.00	0.00	0.00	0.01	0.00	15.20	2.00	0.00	0.00	0.01	0.00
15.21	2.00	0.00	0.00	0.01	0.00	15.22	2.00	0.00	0.00	0.01	0.00
15.23	2.00	0.00	0.00	0.01	0.00	15.24	2.00	0.00	0.00	0.01	0.00
15.25	2.00	0.00	0.00	0.01	0.00	15.26	2.00	0.00	0.00	0.01	0.00
15.27	2.00	0.00	0.00	0.01	0.00	15.28	2.00	0.00	0.00	0.01	0.00
15.29	2.00	0.00	0.00	0.01	0.00	15.30	2.00	0.00	0.00	0.01	0.00
15.31	2.00	0.00	0.00	0.01	0.00	15.32	2.00	0.00	0.00	0.01	0.00
15.33	2.00	0.00	0.00	0.01	0.00	15.34	2.00	0.00	0.00	0.01	0.00
15.35	2.00	0.00	0.00	0.01	0.00	15.36	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
15.37	2.00	0.00	0.00	0.01	0.00	15.38	2.00	0.00	0.00	0.01	0.00
15.39	2.00	0.00	0.00	0.01	0.00	15.40	2.00	0.00	0.00	0.01	0.00
15.41	2.00	0.00	0.00	0.01	0.00	15.42	2.00	0.00	0.00	0.01	0.00
15.43	2.00	0.00	0.00	0.01	0.00	15.44	2.00	0.00	0.00	0.01	0.00
15.45	2.00	0.00	0.00	0.01	0.00	15.46	2.00	0.00	0.00	0.01	0.00
15.47	2.00	0.00	0.00	0.01	0.00	15.48	2.00	0.00	0.00	0.01	0.00
15.49	2.00	0.00	0.00	0.01	0.00	15.50	2.00	0.00	0.00	0.01	0.00
15.51	2.00	0.00	0.00	0.01	0.00	15.52	2.00	0.00	0.00	0.01	0.00
15.53	2.00	0.00	0.00	0.01	0.00	15.54	2.00	0.00	0.00	0.01	0.00
15.55	2.00	0.00	0.00	0.01	0.00	15.56	2.00	0.00	0.00	0.01	0.00
15.57	2.00	0.00	0.00	0.01	0.00	15.58	2.00	0.00	0.00	0.01	0.00
15.59	2.00	0.00	0.00	0.01	0.00	15.60	2.00	0.00	0.00	0.01	0.00
15.61	2.00	0.00	0.00	0.01	0.00	15.62	2.00	0.00	0.00	0.01	0.00
15.63	2.00	0.00	0.00	0.01	0.00	15.64	2.00	0.00	0.00	0.01	0.00
15.65	2.00	0.00	0.00	0.01	0.00	15.66	2.00	0.00	0.00	0.01	0.00
15.67	2.00	0.00	0.00	0.01	0.00	15.68	2.00	0.00	0.00	0.01	0.00
15.69	2.00	0.00	0.00	0.01	0.00	15.70	2.00	0.00	0.00	0.01	0.00
15.71	2.00	0.00	0.00	0.01	0.00	15.72	2.00	0.00	0.00	0.01	0.00
15.73	2.00	0.00	0.00	0.01	0.00	15.74	2.00	0.00	0.00	0.01	0.00
15.75	2.00	0.00	0.00	0.01	0.00	15.76	2.00	0.00	0.00	0.01	0.00
15.77	2.00	0.00	0.00	0.01	0.00	15.78	2.00	0.00	0.00	0.01	0.00
15.79	2.00	0.00	0.00	0.01	0.00	15.80	2.00	0.00	0.00	0.01	0.00
15.81	2.00	0.00	0.00	0.01	0.00	15.82	2.00	0.00	0.00	0.01	0.00
15.83	2.00	0.00	0.00	0.01	0.00	15.84	2.00	0.00	0.00	0.01	0.00
15.85	2.00	0.00	0.00	0.01	0.00	15.86	2.00	0.00	0.00	0.01	0.00
15.87	2.00	0.00	0.00	0.01	0.00	15.88	2.00	0.00	0.00	0.01	0.00
15.89	2.00	0.00	0.00	0.01	0.00	15.90	2.00	0.00	0.00	0.01	0.00
15.91	2.00	0.00	0.00	0.01	0.00	15.92	2.00	0.00	0.00	0.01	0.00
15.93	2.00	0.00	0.00	0.01	0.00	15.94	2.00	0.00	0.00	0.01	0.00
15.95	2.00	0.00	0.00	0.01	0.00	15.96	2.00	0.00	0.00	0.01	0.00
15.97	2.00	0.00	0.00	0.01	0.00	15.98	2.00	0.00	0.00	0.01	0.00
15.99	2.00	0.00	0.00	0.01	0.00	16.00	2.00	0.00	0.00	0.01	0.00
16.01	2.00	0.00	0.00	0.01	0.00	16.02	2.00	0.00	0.00	0.01	0.00
16.03	2.00	0.00	0.00	0.01	0.00	16.04	2.00	0.00	0.00	0.01	0.00
16.05	2.00	0.00	0.00	0.01	0.00	16.06	2.00	0.00	0.00	0.01	0.00
16.07	2.00	0.00	0.00	0.01	0.00	16.08	2.00	0.00	0.00	0.01	0.00
16.09	2.00	0.00	0.00	0.01	0.00	16.10	2.00	0.00	0.00	0.01	0.00
16.11	2.00	0.00	0.00	0.01	0.00	16.12	2.00	0.00	0.00	0.01	0.00
16.13	2.00	0.00	0.00	0.01	0.00	16.14	2.00	0.00	0.00	0.01	0.00
16.15	2.00	0.00	0.00	0.01	0.00	16.16	2.00	0.00	0.00	0.01	0.00
16.17	2.00	0.00	0.00	0.01	0.00	16.18	2.00	0.00	0.00	0.01	0.00
16.19	2.00	0.00	0.00	0.01	0.00	16.20	2.00	0.00	0.00	0.01	0.00
16.21	2.00	0.00	0.00	0.01	0.00	16.22	2.00	0.00	0.00	0.01	0.00
16.23	2.00	0.00	0.00	0.01	0.00	16.24	2.00	0.00	0.00	0.01	0.00
16.25	2.00	0.00	0.00	0.01	0.00	16.26	2.00	0.00	0.00	0.01	0.00
16.27	2.00	0.00	0.00	0.01	0.00	16.28	2.00	0.00	0.00	0.01	0.00
16.29	2.00	0.00	0.00	0.01	0.00	16.30	2.00	0.00	0.00	0.01	0.00
16.31	2.00	0.00	0.00	0.01	0.00	16.32	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
16.33	2.00	0.00	0.00	0.01	0.00	16.34	2.00	0.00	0.00	0.01	0.00
16.35	2.00	0.00	0.00	0.01	0.00	16.36	2.00	0.00	0.00	0.01	0.00
16.37	2.00	0.00	0.00	0.01	0.00	16.38	2.00	0.00	0.00	0.01	0.00
16.39	2.00	0.00	0.00	0.01	0.00	16.40	2.00	0.00	0.00	0.01	0.00
16.41	2.00	0.00	0.00	0.01	0.00	16.42	2.00	0.00	0.00	0.01	0.00
16.43	2.00	0.00	0.00	0.01	0.00	16.44	2.00	0.00	0.00	0.01	0.00
16.45	2.00	0.00	0.00	0.01	0.00	16.46	2.00	0.00	0.00	0.01	0.00
16.47	2.00	0.00	0.00	0.01	0.00	16.48	2.00	0.00	0.00	0.01	0.00
16.49	2.00	0.00	0.00	0.01	0.00	16.50	2.00	0.00	0.00	0.01	0.00
16.51	2.00	0.00	0.00	0.01	0.00	16.52	2.00	0.00	0.00	0.01	0.00
16.53	2.00	0.00	0.00	0.01	0.00	16.54	2.00	0.00	0.00	0.01	0.00
16.55	2.00	0.00	0.00	0.01	0.00	16.56	2.00	0.00	0.00	0.01	0.00
16.57	2.00	0.00	0.00	0.01	0.00	16.58	2.00	0.00	0.00	0.01	0.00
16.59	2.00	0.00	0.00	0.01	0.00	16.60	2.00	0.00	0.00	0.01	0.00
16.61	2.00	0.00	0.00	0.01	0.00	16.62	2.00	0.00	0.00	0.01	0.00
16.63	2.00	0.00	0.00	0.01	0.00	16.64	2.00	0.00	0.00	0.01	0.00
16.65	2.00	0.00	0.00	0.01	0.00	16.66	2.00	0.00	0.00	0.01	0.00
16.67	2.00	0.00	0.00	0.01	0.00	16.68	2.00	0.00	0.00	0.01	0.00
16.69	2.00	0.00	0.00	0.01	0.00	16.70	2.00	0.00	0.00	0.01	0.00
16.71	2.00	0.00	0.00	0.01	0.00	16.72	2.00	0.00	0.00	0.01	0.00
16.73	2.00	0.00	0.00	0.01	0.00	16.74	2.00	0.00	0.00	0.01	0.00
16.75	2.00	0.00	0.00	0.01	0.00	16.76	2.00	0.00	0.00	0.01	0.00
16.77	2.00	0.00	0.00	0.01	0.00	16.78	2.00	0.00	0.00	0.01	0.00
16.79	2.00	0.00	0.00	0.01	0.00	16.80	2.00	0.00	0.00	0.01	0.00
16.81	2.00	0.00	0.00	0.01	0.00	16.82	2.00	0.00	0.00	0.01	0.00
16.83	2.00	0.00	0.00	0.01	0.00	16.84	2.00	0.00	0.00	0.01	0.00
16.85	2.00	0.00	0.00	0.01	0.00	16.86	2.00	0.00	0.00	0.01	0.00
16.87	2.00	0.00	0.00	0.01	0.00	16.88	2.00	0.00	0.00	0.01	0.00
16.89	2.00	0.00	0.00	0.01	0.00	16.90	2.00	0.00	0.00	0.01	0.00
16.91	2.00	0.00	0.00	0.01	0.00	16.92	2.00	0.00	0.00	0.01	0.00
16.93	2.00	0.00	0.00	0.01	0.00	16.94	2.00	0.00	0.00	0.01	0.00
16.95	2.00	0.00	0.00	0.01	0.00	16.96	2.00	0.00	0.00	0.01	0.00
16.97	2.00	0.00	0.00	0.01	0.00	16.98	2.00	0.00	0.00	0.01	0.00
16.99	2.00	0.00	0.00	0.01	0.00	17.00	2.00	0.00	0.00	0.01	0.00
17.01	2.00	0.00	0.00	0.01	0.00	17.02	2.00	0.00	0.00	0.01	0.00
17.03	2.00	0.00	0.00	0.01	0.00	17.04	2.00	0.00	0.00	0.01	0.00
17.05	2.00	0.00	0.00	0.01	0.00	17.06	2.00	0.00	0.00	0.01	0.00
17.07	2.00	0.00	0.00	0.01	0.00	17.08	2.00	0.00	0.00	0.01	0.00
17.09	2.00	0.00	0.00	0.01	0.00	17.10	2.00	0.00	0.00	0.01	0.00
17.11	2.00	0.00	0.00	0.01	0.00	17.12	2.00	0.00	0.00	0.01	0.00
17.13	2.00	0.00	0.00	0.01	0.00	17.14	2.00	0.00	0.00	0.01	0.00
17.15	2.00	0.00	0.00	0.01	0.00	17.16	2.00	0.00	0.00	0.01	0.00
17.17	2.00	0.00	0.00	0.01	0.00	17.18	2.00	0.00	0.00	0.01	0.00
17.19	2.00	0.00	0.00	0.01	0.00	17.20	2.00	0.00	0.00	0.01	0.00
17.21	2.00	0.00	0.00	0.01	0.00	17.22	2.00	0.00	0.00	0.01	0.00
17.23	2.00	0.00	0.00	0.01	0.00	17.24	2.00	0.00	0.00	0.01	0.00
17.25	2.00	0.00	0.00	0.01	0.00	17.26	2.00	0.00	0.00	0.01	0.00
17.27	2.00	0.00	0.00	0.01	0.00	17.28	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
17.29	2.00	0.00	0.00	0.01	0.00	17.30	2.00	0.00	0.00	0.01	0.00
17.31	2.00	0.00	0.00	0.01	0.00	17.32	2.00	0.00	0.00	0.01	0.00
17.33	2.00	0.00	0.00	0.01	0.00	17.34	2.00	0.00	0.00	0.01	0.00
17.35	2.00	0.00	0.00	0.01	0.00	17.36	2.00	0.00	0.00	0.01	0.00
17.37	2.00	0.00	0.00	0.01	0.00	17.38	2.00	0.00	0.00	0.01	0.00
17.39	2.00	0.00	0.00	0.01	0.00	17.40	2.00	0.00	0.00	0.01	0.00
17.41	2.00	0.00	0.00	0.01	0.00	17.42	2.00	0.00	0.00	0.01	0.00
17.43	2.00	0.00	0.00	0.01	0.00	17.44	2.00	0.00	0.00	0.01	0.00
17.45	2.00	0.00	0.00	0.01	0.00	17.46	2.00	0.00	0.00	0.01	0.00
17.47	2.00	0.00	0.00	0.01	0.00	17.48	2.00	0.00	0.00	0.01	0.00
17.49	2.00	0.00	0.00	0.01	0.00	17.50	2.00	0.00	0.00	0.01	0.00
17.51	2.00	0.00	0.00	0.01	0.00	17.52	2.00	0.00	0.00	0.01	0.00
17.53	2.00	0.00	0.00	0.01	0.00	17.54	2.00	0.00	0.00	0.01	0.00
17.55	2.00	0.00	0.00	0.01	0.00	17.56	2.00	0.00	0.00	0.01	0.00
17.57	2.00	0.00	0.00	0.01	0.00	17.58	2.00	0.00	0.00	0.01	0.00
17.59	2.00	0.00	0.00	0.01	0.00	17.60	2.00	0.00	0.00	0.01	0.00
17.61	2.00	0.00	0.00	0.01	0.00	17.62	2.00	0.00	0.00	0.01	0.00
17.63	2.00	0.00	0.00	0.01	0.00	17.64	2.00	0.00	0.00	0.01	0.00
17.65	2.00	0.00	0.00	0.01	0.00	17.66	2.00	0.00	0.00	0.01	0.00
17.67	2.00	0.00	0.00	0.01	0.00	17.68	2.00	0.00	0.00	0.01	0.00
17.69	2.00	0.00	0.00	0.01	0.00	17.70	2.00	0.00	0.00	0.01	0.00
17.71	2.00	0.00	0.00	0.01	0.00	17.72	2.00	0.00	0.00	0.01	0.00
17.73	2.00	0.00	0.00	0.01	0.00	17.74	2.00	0.00	0.00	0.01	0.00
17.75	2.00	0.00	0.00	0.01	0.00	17.76	2.00	0.00	0.00	0.01	0.00
17.77	2.00	0.00	0.00	0.01	0.00	17.78	2.00	0.00	0.00	0.01	0.00
17.79	2.00	0.00	0.00	0.01	0.00	17.80	2.00	0.00	0.00	0.01	0.00
17.81	2.00	0.00	0.00	0.01	0.00	17.82	2.00	0.00	0.00	0.01	0.00
17.83	2.00	0.00	0.00	0.01	0.00	17.84	2.00	0.00	0.00	0.01	0.00
17.85	2.00	0.00	0.00	0.01	0.00	17.86	2.00	0.00	0.00	0.01	0.00
17.87	2.00	0.00	0.00	0.01	0.00	17.88	2.00	0.00	0.00	0.01	0.00
17.89	2.00	0.00	0.00	0.01	0.00	17.90	2.00	0.00	0.00	0.01	0.00
17.91	2.00	0.00	0.00	0.01	0.00	17.92	2.00	0.00	0.00	0.01	0.00
17.93	2.00	0.00	0.00	0.01	0.00	17.94	2.00	0.00	0.00	0.01	0.00
17.95	2.00	0.00	0.00	0.01	0.00	17.96	2.00	0.00	0.00	0.01	0.00
17.97	2.00	0.00	0.00	0.01	0.00	17.98	2.00	0.00	0.00	0.01	0.00
17.99	2.00	0.00	0.00	0.01	0.00	18.00	2.00	0.00	0.00	0.01	0.00
18.01	2.00	0.00	0.00	0.01	0.00	18.02	2.00	0.00	0.00	0.01	0.00
18.03	2.00	0.00	0.00	0.01	0.00	18.04	2.00	0.00	0.00	0.01	0.00
18.05	2.00	0.00	0.00	0.01	0.00	18.06	2.00	0.00	0.00	0.01	0.00
18.07	2.00	0.00	0.00	0.01	0.00	18.08	2.00	0.00	0.00	0.01	0.00
18.09	2.00	0.00	0.00	0.01	0.00	18.10	2.00	0.00	0.00	0.01	0.00
18.11	2.00	0.00	0.00	0.01	0.00	18.12	2.00	0.00	0.00	0.01	0.00
18.13	2.00	0.00	0.00	0.01	0.00	18.14	2.00	0.00	0.00	0.01	0.00
18.15	2.00	0.00	0.00	0.01	0.00	18.16	2.00	0.00	0.00	0.01	0.00
18.17	2.00	0.00	0.00	0.01	0.00	18.18	2.00	0.00	0.00	0.01	0.00
18.19	2.00	0.00	0.00	0.01	0.00	18.20	2.00	0.00	0.00	0.01	0.00
18.21	2.00	0.00	0.00	0.01	0.00	18.22	2.00	0.00	0.00	0.01	0.00
18.23	2.00	0.00	0.00	0.01	0.00	18.24	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
18.25	2.00	0.00	0.00	0.01	0.00	18.26	2.00	0.00	0.00	0.01	0.00
18.27	2.00	0.00	0.00	0.01	0.00	18.28	2.00	0.00	0.00	0.01	0.00
18.29	2.00	0.00	0.00	0.01	0.00	18.30	2.00	0.00	0.00	0.01	0.00
18.31	2.00	0.00	0.00	0.01	0.00	18.32	2.00	0.00	0.00	0.01	0.00
18.33	2.00	0.00	0.00	0.01	0.00	18.34	2.00	0.00	0.00	0.01	0.00
18.35	2.00	0.00	0.00	0.01	0.00	18.36	2.00	0.00	0.00	0.01	0.00
18.37	2.00	0.00	0.00	0.01	0.00	18.38	2.00	0.00	0.00	0.01	0.00
18.39	2.00	0.00	0.00	0.01	0.00	18.40	2.00	0.00	0.00	0.01	0.00
18.41	2.00	0.00	0.00	0.01	0.00	18.42	2.00	0.00	0.00	0.01	0.00
18.43	2.00	0.00	0.00	0.01	0.00	18.44	2.00	0.00	0.00	0.01	0.00
18.45	2.00	0.00	0.00	0.01	0.00	18.46	2.00	0.00	0.00	0.01	0.00
18.47	2.00	0.00	0.00	0.01	0.00	18.48	2.00	0.00	0.00	0.01	0.00
18.49	2.00	0.00	0.00	0.01	0.00	18.50	2.00	0.00	0.00	0.01	0.00
18.51	2.00	0.00	0.00	0.01	0.00	18.52	2.00	0.00	0.00	0.01	0.00
18.53	2.00	0.00	0.00	0.01	0.00	18.54	2.00	0.00	0.00	0.01	0.00
18.55	2.00	0.00	0.00	0.01	0.00	18.56	2.00	0.00	0.00	0.01	0.00
18.57	2.00	0.00	0.00	0.01	0.00	18.58	2.00	0.00	0.00	0.01	0.00
18.59	2.00	0.00	0.00	0.01	0.00	18.60	2.00	0.00	0.00	0.01	0.00
18.61	2.00	0.00	0.00	0.01	0.00	18.62	2.00	0.00	0.00	0.01	0.00
18.63	2.00	0.00	0.00	0.01	0.00	18.64	2.00	0.00	0.00	0.01	0.00
18.65	2.00	0.00	0.00	0.01	0.00	18.66	2.00	0.00	0.00	0.01	0.00
18.67	2.00	0.00	0.00	0.01	0.00	18.68	2.00	0.00	0.00	0.01	0.00
18.69	2.00	0.00	0.00	0.01	0.00	18.70	2.00	0.00	0.00	0.01	0.00
18.71	2.00	0.00	0.00	0.01	0.00	18.72	2.00	0.00	0.00	0.01	0.00
18.73	2.00	0.00	0.00	0.01	0.00	18.74	2.00	0.00	0.00	0.01	0.00
18.75	2.00	0.00	0.00	0.01	0.00	18.76	2.00	0.00	0.00	0.01	0.00
18.77	2.00	0.00	0.00	0.01	0.00	18.78	2.00	0.00	0.00	0.01	0.00
18.79	2.00	0.00	0.00	0.01	0.00	18.80	2.00	0.00	0.00	0.01	0.00
18.81	2.00	0.00	0.00	0.01	0.00	18.82	2.00	0.00	0.00	0.01	0.00
18.83	2.00	0.00	0.00	0.01	0.00	18.84	2.00	0.00	0.00	0.01	0.00
18.85	2.00	0.00	0.00	0.01	0.00	18.86	2.00	0.00	0.00	0.01	0.00
18.87	2.00	0.00	0.00	0.01	0.00	18.88	2.00	0.00	0.00	0.01	0.00
18.89	2.00	0.00	0.00	0.01	0.00	18.90	2.00	0.00	0.00	0.01	0.00
18.91	2.00	0.00	0.00	0.01	0.00	18.92	2.00	0.00	0.00	0.01	0.00
18.93	2.00	0.00	0.00	0.01	0.00	18.94	2.00	0.00	0.00	0.01	0.00
18.95	2.00	0.00	0.00	0.01	0.00	18.96	2.00	0.00	0.00	0.01	0.00
18.97	2.00	0.00	0.00	0.01	0.00	18.98	2.00	0.00	0.00	0.01	0.00
18.99	2.00	0.00	0.00	0.01	0.00	19.00	2.00	0.00	0.00	0.01	0.00
19.01	2.00	0.00	0.00	0.01	0.00	19.02	2.00	0.00	0.00	0.01	0.00
19.03	2.00	0.00	0.00	0.01	0.00	19.04	2.00	0.00	0.00	0.01	0.00
19.05	2.00	0.00	0.00	0.01	0.00	19.06	2.00	0.00	0.00	0.01	0.00
19.07	2.00	0.00	0.00	0.01	0.00	19.08	2.00	0.00	0.00	0.01	0.00
19.09	2.00	0.00	0.00	0.01	0.00	19.10	2.00	0.00	0.00	0.01	0.00
19.11	2.00	0.00	0.00	0.01	0.00	19.12	2.00	0.00	0.00	0.01	0.00
19.13	2.00	0.00	0.00	0.01	0.00	19.14	2.00	0.00	0.00	0.01	0.00
19.15	2.00	0.00	0.00	0.01	0.00	19.16	2.00	0.00	0.00	0.01	0.00
19.17	2.00	0.00	0.00	0.01	0.00	19.18	2.00	0.00	0.00	0.01	0.00
19.19	2.00	0.00	0.00	0.01	0.00	19.20	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
19.21	2.00	0.00	0.00	0.01	0.00	19.22	2.00	0.00	0.00	0.01	0.00
19.23	2.00	0.00	0.00	0.01	0.00	19.24	2.00	0.00	0.00	0.01	0.00
19.25	2.00	0.00	0.00	0.01	0.00	19.26	2.00	0.00	0.00	0.01	0.00
19.27	2.00	0.00	0.00	0.01	0.00	19.28	2.00	0.00	0.00	0.01	0.00
19.29	2.00	0.00	0.00	0.01	0.00	19.30	2.00	0.00	0.00	0.01	0.00
19.31	2.00	0.00	0.00	0.01	0.00	19.32	2.00	0.00	0.00	0.01	0.00
19.33	2.00	0.00	0.00	0.01	0.00	19.34	2.00	0.00	0.00	0.01	0.00
19.35	2.00	0.00	0.00	0.01	0.00	19.36	2.00	0.00	0.00	0.01	0.00
19.37	2.00	0.00	0.00	0.01	0.00	19.38	2.00	0.00	0.00	0.01	0.00
19.39	2.00	0.00	0.00	0.01	0.00	19.40	2.00	0.00	0.00	0.01	0.00
19.41	2.00	0.00	0.00	0.01	0.00	19.42	2.00	0.00	0.00	0.01	0.00
19.43	2.00	0.00	0.00	0.01	0.00	19.44	2.00	0.00	0.00	0.01	0.00
19.45	2.00	0.00	0.00	0.01	0.00	19.46	2.00	0.00	0.00	0.01	0.00
19.47	2.00	0.00	0.00	0.01	0.00	19.48	2.00	0.00	0.00	0.01	0.00
19.49	2.00	0.00	0.00	0.01	0.00	19.50	2.00	0.00	0.00	0.01	0.00
19.51	2.00	0.00	0.00	0.01	0.00	19.52	2.00	0.00	0.00	0.01	0.00
19.53	2.00	0.00	0.00	0.01	0.00	19.54	2.00	0.00	0.00	0.01	0.00
19.55	2.00	0.00	0.00	0.01	0.00	19.56	2.00	0.00	0.00	0.01	0.00
19.57	2.00	0.00	0.00	0.01	0.00	19.58	2.00	0.00	0.00	0.01	0.00
19.59	2.00	0.00	0.00	0.01	0.00	19.60	2.00	0.00	0.00	0.01	0.00
19.61	2.00	0.00	0.00	0.01	0.00	19.62	2.00	0.00	0.00	0.01	0.00
19.63	2.00	0.00	0.00	0.01	0.00	19.64	2.00	0.00	0.00	0.01	0.00
19.65	2.00	0.00	0.00	0.01	0.00	19.66	2.00	0.00	0.00	0.01	0.00
19.67	2.00	0.00	0.00	0.01	0.00	19.68	2.00	0.00	0.00	0.01	0.00
19.69	2.00	0.00	0.00	0.01	0.00	19.70	2.00	0.00	0.00	0.01	0.00
19.71	2.00	0.00	0.00	0.01	0.00	19.72	2.00	0.00	0.00	0.01	0.00
19.73	2.00	0.00	0.00	0.01	0.00	19.74	2.00	0.00	0.00	0.01	0.00
19.75	2.00	0.00	0.00	0.01	0.00	19.76	2.00	0.00	0.00	0.01	0.00
19.77	2.00	0.00	0.00	0.01	0.00	19.78	2.00	0.00	0.00	0.01	0.00
19.79	2.00	0.00	0.00	0.01	0.00	19.80	2.00	0.00	0.00	0.01	0.00
19.81	2.00	0.00	0.00	0.01	0.00	19.82	2.00	0.00	0.00	0.01	0.00
19.83	2.00	0.00	0.00	0.01	0.00	19.84	2.00	0.00	0.00	0.01	0.00
19.85	2.00	0.00	0.00	0.01	0.00	19.86	2.00	0.00	0.00	0.01	0.00
19.87	2.00	0.00	0.00	0.01	0.00	19.88	2.00	0.00	0.00	0.01	0.00
19.89	2.00	0.00	0.00	0.01	0.00	19.90	2.00	0.00	0.00	0.01	0.00
19.91	2.00	0.00	0.00	0.01	0.00	19.92	2.00	0.00	0.00	0.01	0.00
19.93	2.00	0.00	0.00	0.01	0.00	19.94	2.00	0.00	0.00	0.01	0.00
19.95	2.00	0.00	0.00	0.01	0.00	19.96	2.00	0.00	0.00	0.01	0.00
19.97	2.00	0.00	0.00	0.01	0.00	19.98	2.00	0.00	0.00	0.01	0.00
19.99	2.00	0.00	0.00	0.01	0.00	20.00	2.00	0.00	0.00	0.01	0.00
20.01	2.00	0.00	0.00	0.01	0.00	20.02	2.00	0.00	0.00	0.01	0.00
20.03	2.00	0.00	0.00	0.01	0.00	20.04	2.00	0.00	0.00	0.01	0.00
20.05	2.00	0.00	0.00	0.01	0.00	20.06	2.00	0.00	0.00	0.01	0.00
20.07	2.00	0.00	0.00	0.01	0.00	20.08	2.00	0.00	0.00	0.01	0.00
20.09	2.00	0.00	0.00	0.01	0.00	20.10	2.00	0.00	0.00	0.01	0.00
20.11	2.00	0.00	0.00	0.01	0.00	20.12	2.00	0.00	0.00	0.01	0.00
20.13	2.00	0.00	0.00	0.01	0.00	20.14	2.00	0.00	0.00	0.01	0.00
20.15	2.00	0.00	0.00	0.01	0.00	20.16	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI

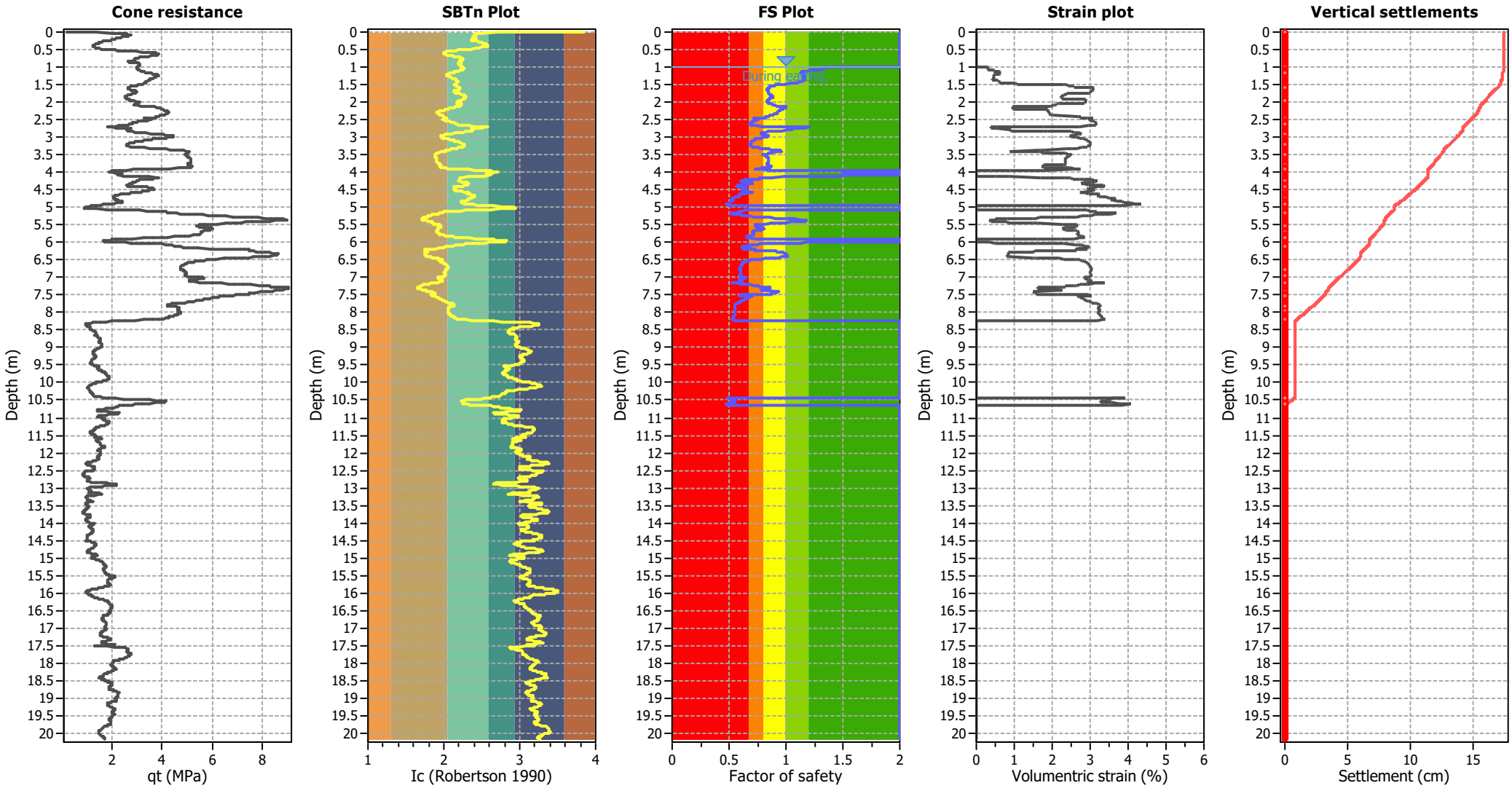
Overall liquefaction potential: 12.58

LPI = 0.00 - Liquefaction risk very low
LPI between 0.00 and 5.00 - Liquefaction risk low
LPI between 5.00 and 15.00 - Liquefaction risk high
LPI > 15.00 - Liquefaction risk very high

Abbreviations

FS: Calculated factor of safety for test point
F_L: 1 - FS
w_z: Function value of the extend of soil liquefaction according to depth
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

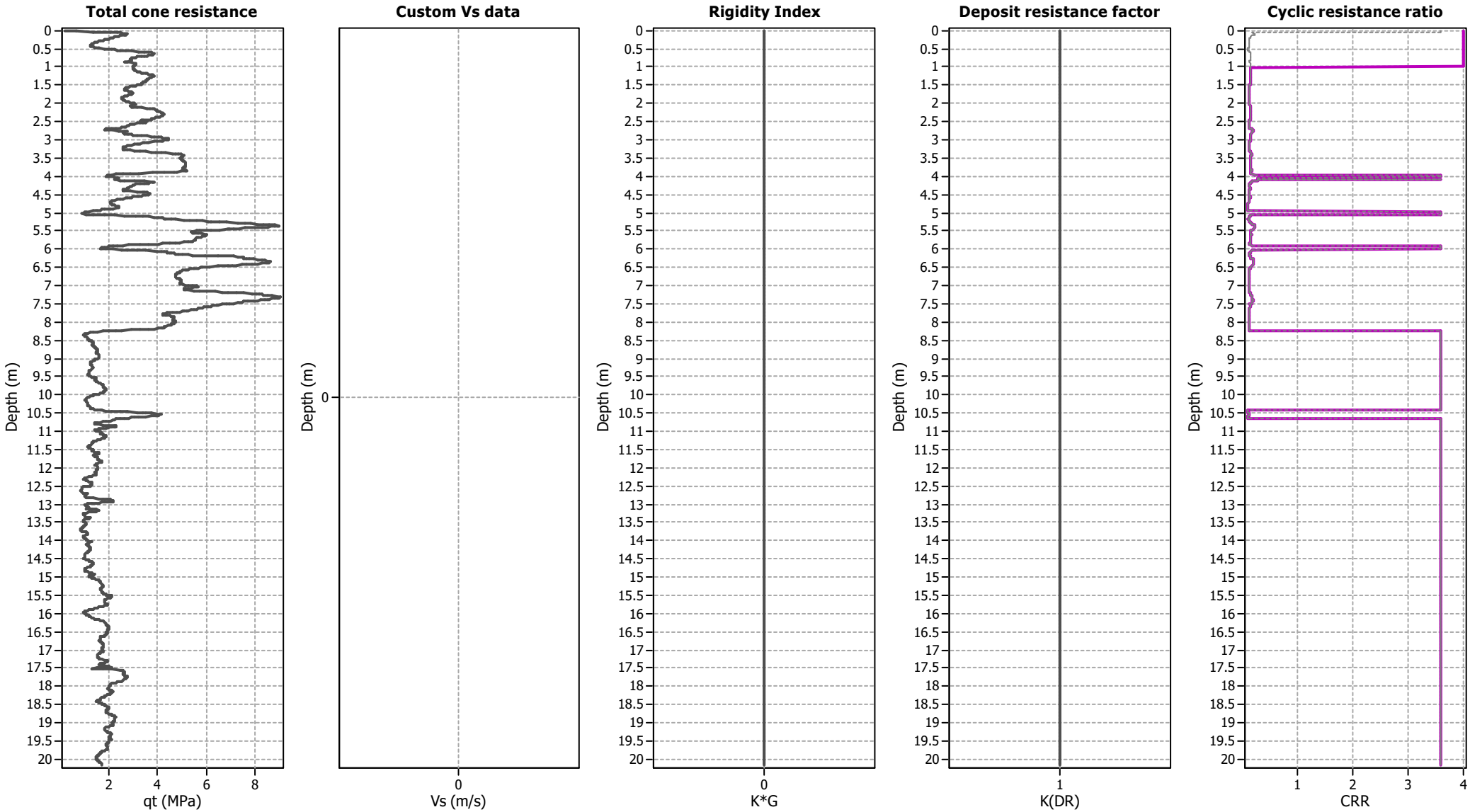
Estimation of post-earthquake settlements



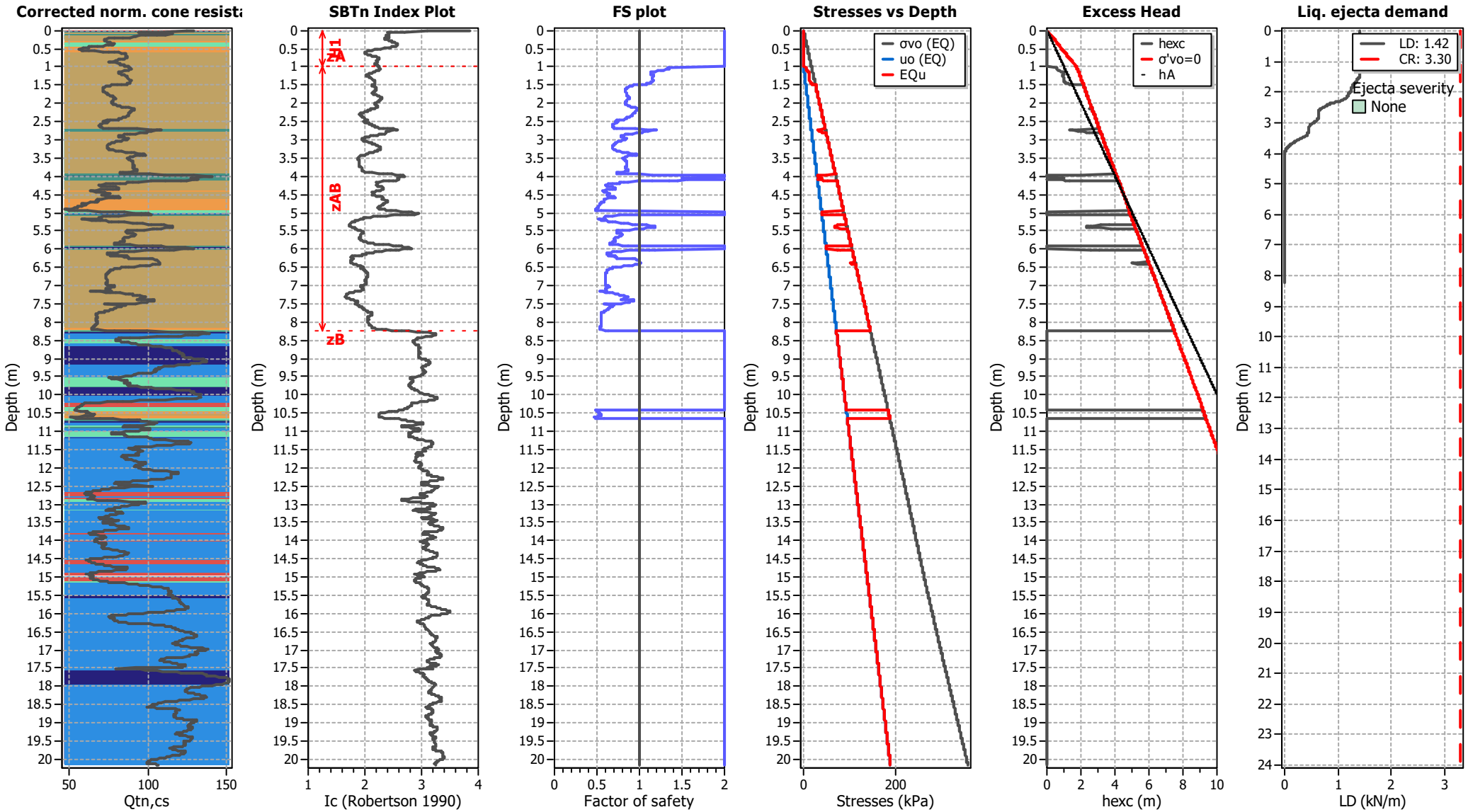
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



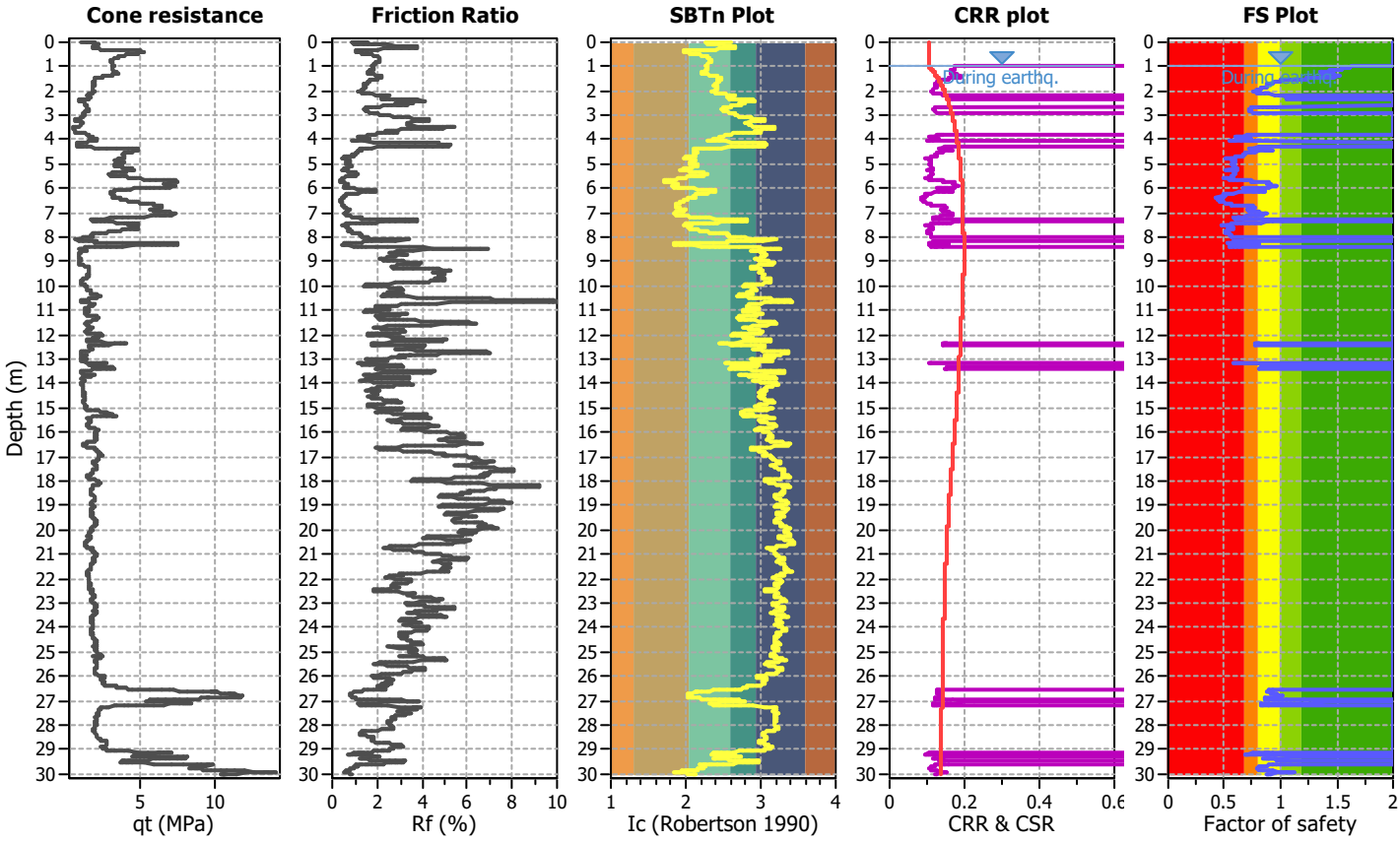
LIQUEFACTION ANALYSIS REPORT

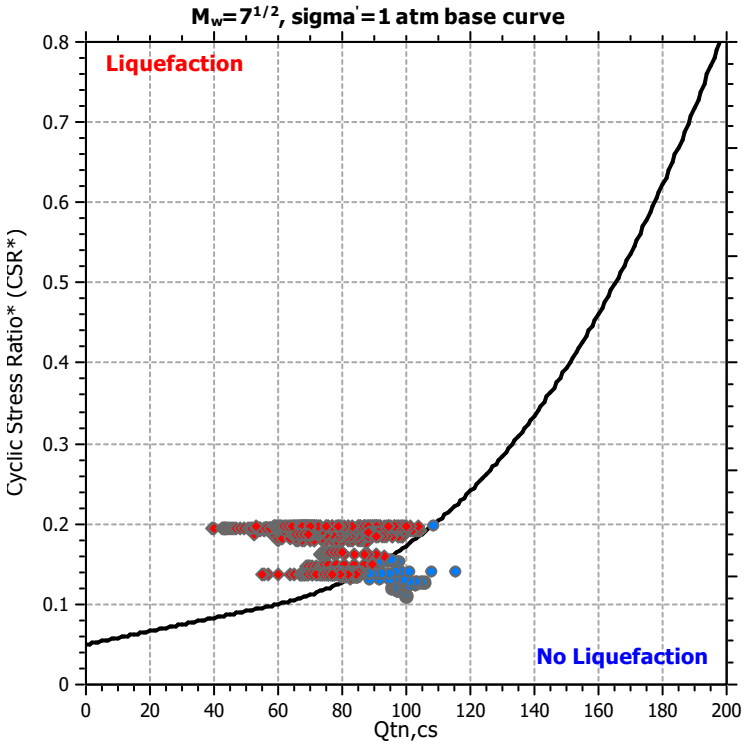
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,22**

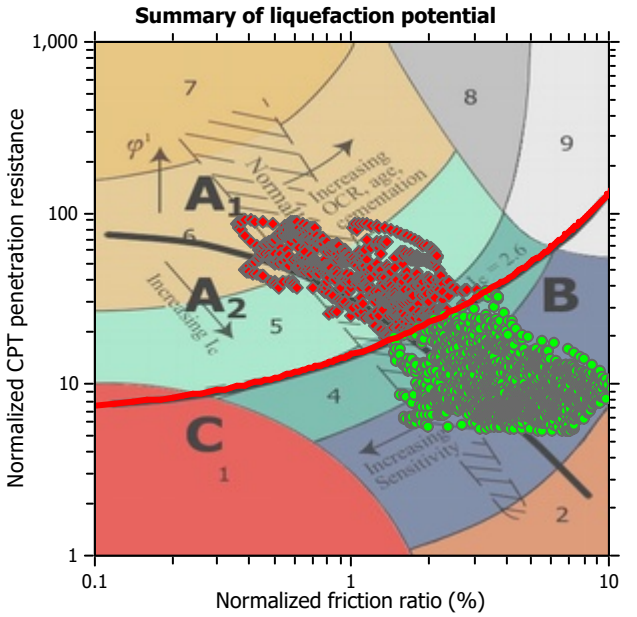
CPT file : 039017P27CPTU101

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.22	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

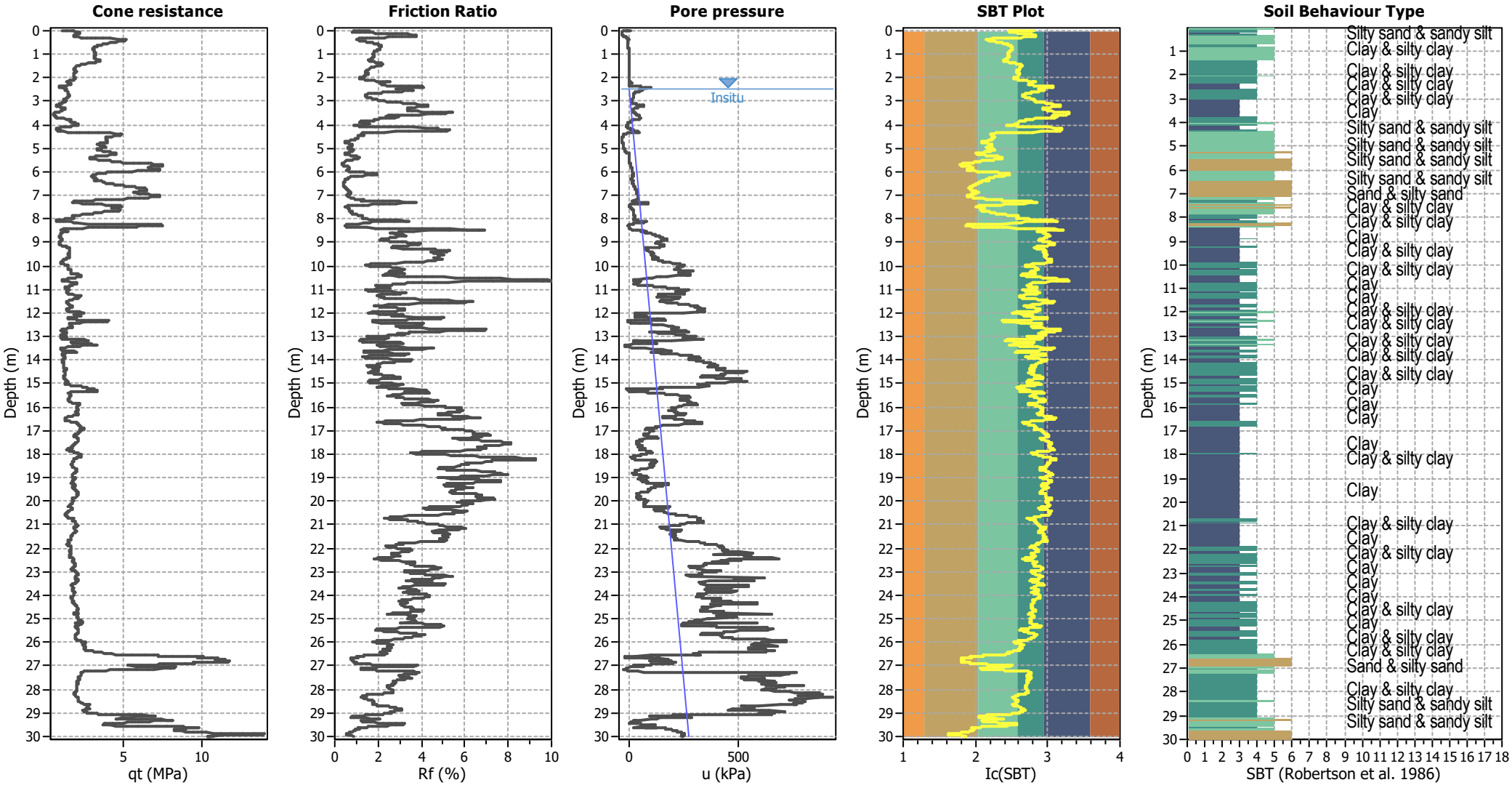






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



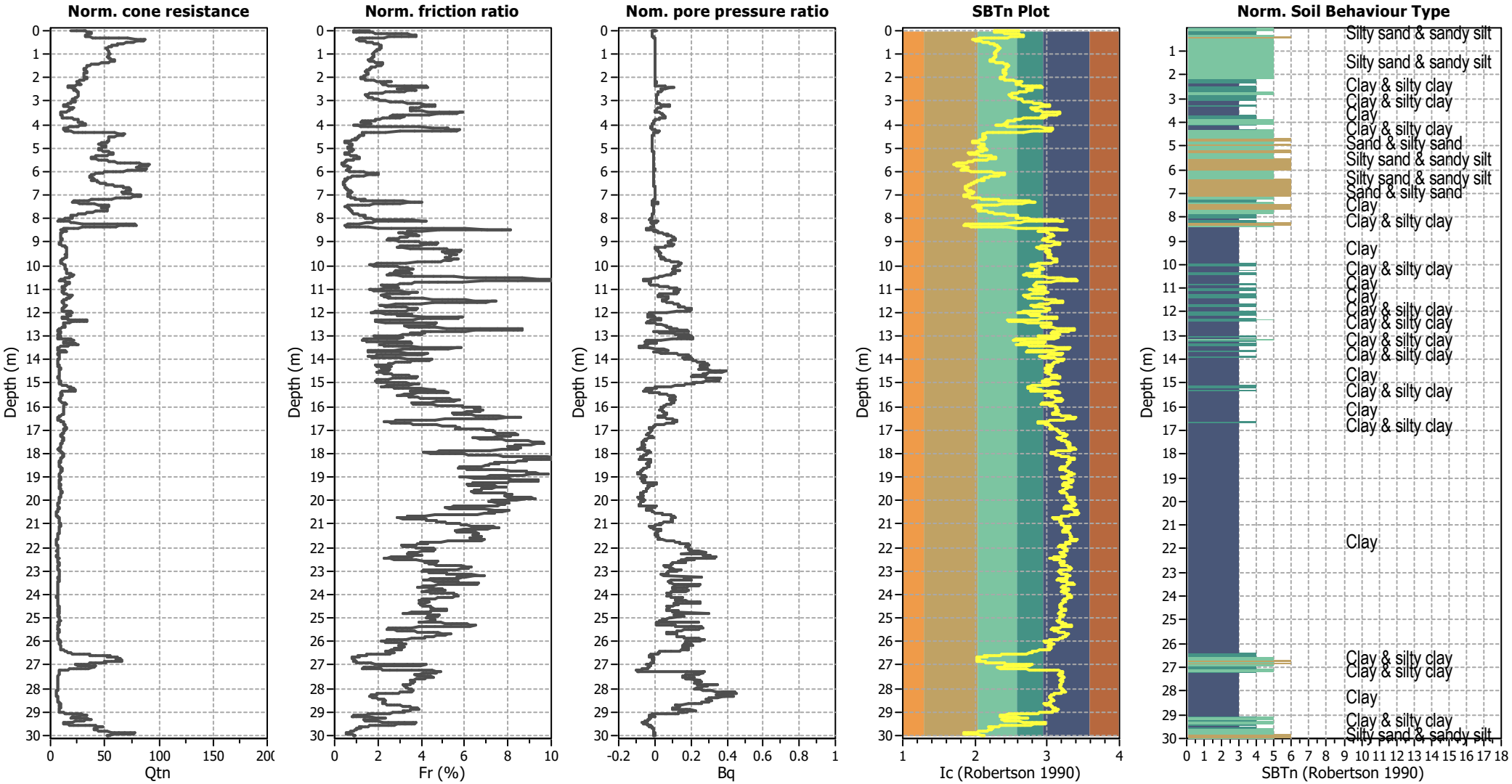
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



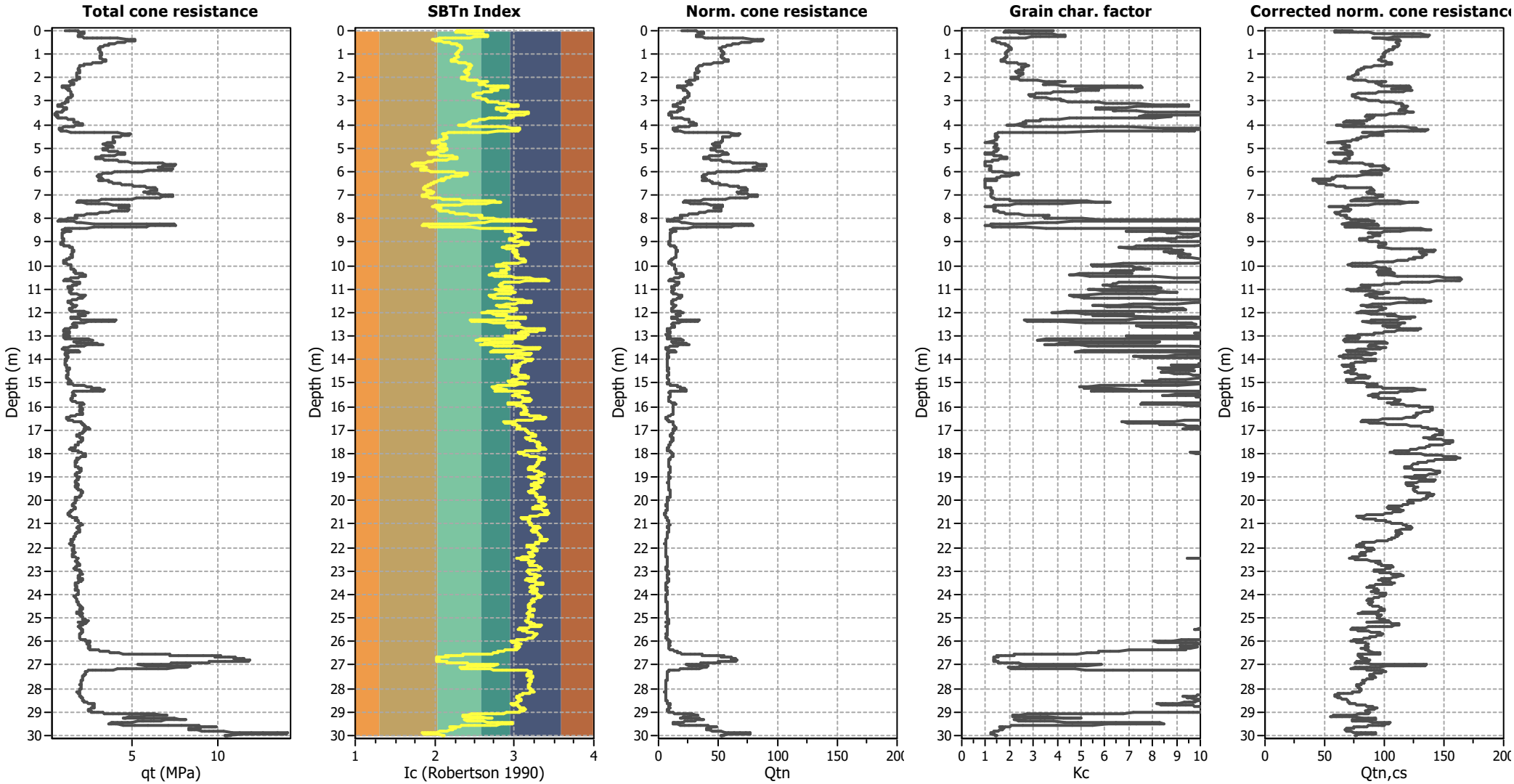
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

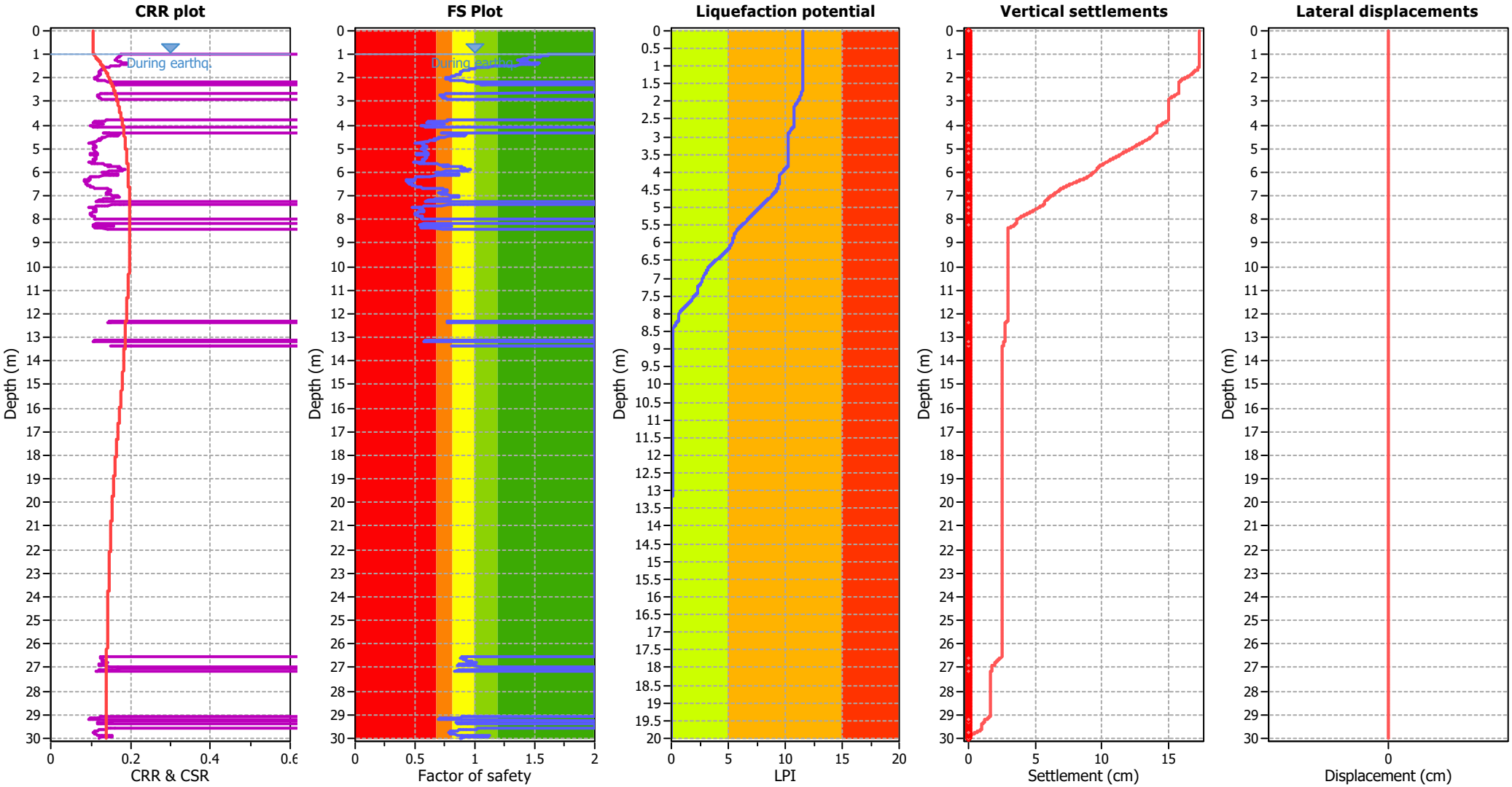
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

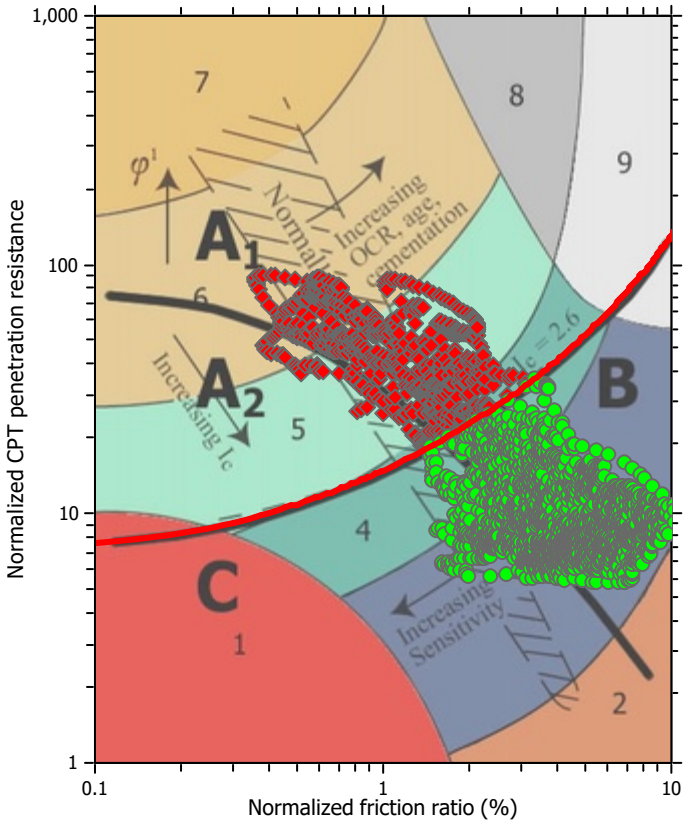
F.S. color scheme

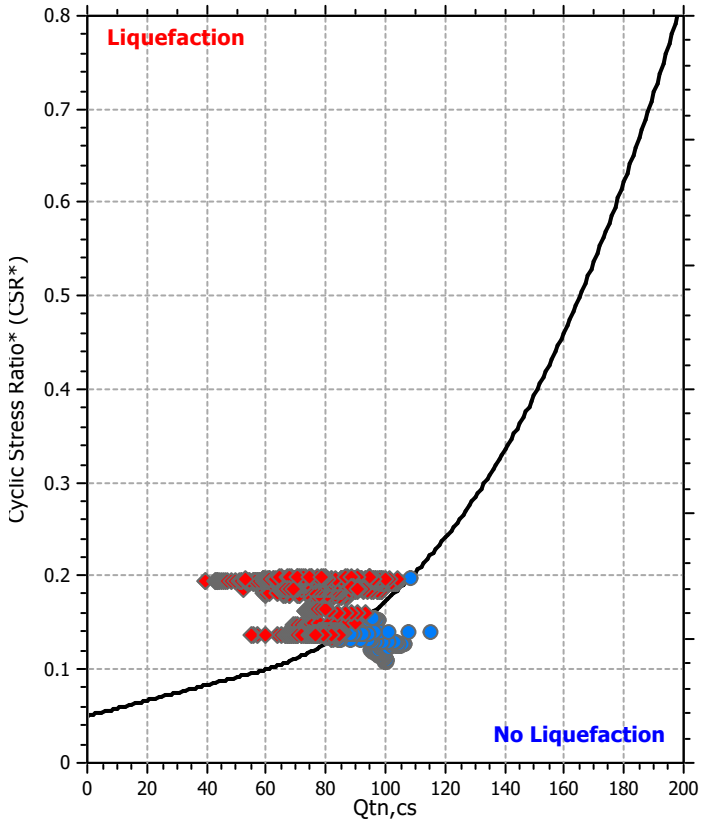
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

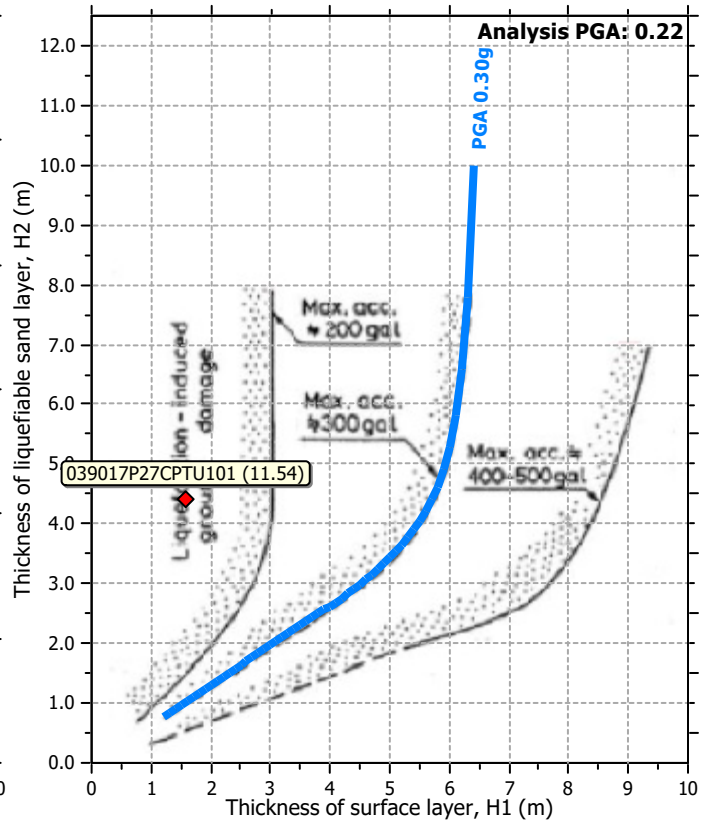
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



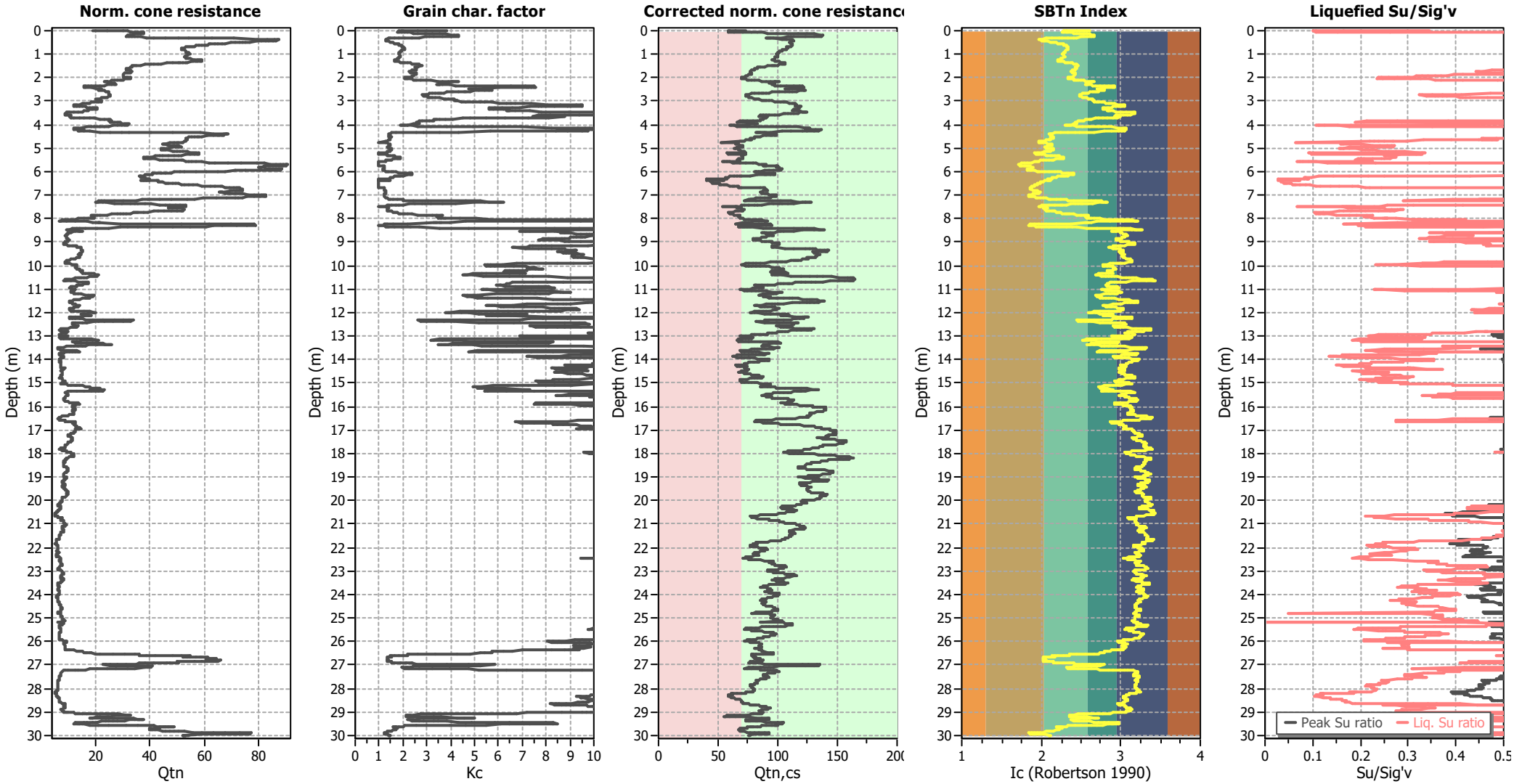




Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Check for strength loss plots (Robertson (2010))



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
0.01	2.00	0.00	0.00	0.01	0.00	0.02	2.00	0.00	0.00	0.01	0.00
0.03	2.00	0.00	0.00	0.01	0.00	0.04	2.00	0.00	0.00	0.01	0.00
0.05	2.00	0.00	0.00	0.01	0.00	0.06	2.00	0.00	0.00	0.01	0.00
0.07	2.00	0.00	0.00	0.01	0.00	0.08	2.00	0.00	0.00	0.01	0.00
0.09	2.00	0.00	0.00	0.01	0.00	0.10	2.00	0.00	0.00	0.01	0.00
0.11	2.00	0.00	0.00	0.01	0.00	0.12	2.00	0.00	0.00	0.01	0.00
0.13	2.00	0.00	0.00	0.01	0.00	0.14	2.00	0.00	0.00	0.01	0.00
0.15	2.00	0.00	0.00	0.01	0.00	0.16	2.00	0.00	0.00	0.01	0.00
0.17	2.00	0.00	0.00	0.01	0.00	0.18	2.00	0.00	0.00	0.01	0.00
0.19	2.00	0.00	0.00	0.01	0.00	0.20	2.00	0.00	0.00	0.01	0.00
0.21	2.00	0.00	0.00	0.01	0.00	0.22	2.00	0.00	0.00	0.01	0.00
0.23	2.00	0.00	0.00	0.01	0.00	0.24	2.00	0.00	0.00	0.01	0.00
0.25	2.00	0.00	0.00	0.01	0.00	0.26	2.00	0.00	0.00	0.01	0.00
0.27	2.00	0.00	0.00	0.01	0.00	0.28	2.00	0.00	0.00	0.01	0.00
0.29	2.00	0.00	0.00	0.01	0.00	0.30	2.00	0.00	0.00	0.01	0.00
0.31	2.00	0.00	0.00	0.01	0.00	0.32	2.00	0.00	0.00	0.01	0.00
0.33	2.00	0.00	0.00	0.01	0.00	0.34	2.00	0.00	0.00	0.01	0.00
0.35	2.00	0.00	0.00	0.01	0.00	0.36	2.00	0.00	0.00	0.01	0.00
0.37	2.00	0.00	0.00	0.01	0.00	0.38	2.00	0.00	0.00	0.01	0.00
0.39	2.00	0.00	0.00	0.01	0.00	0.40	2.00	0.00	0.00	0.01	0.00
0.41	2.00	0.00	0.00	0.01	0.00	0.42	2.00	0.00	0.00	0.01	0.00
0.43	2.00	0.00	0.00	0.01	0.00	0.44	2.00	0.00	0.00	0.01	0.00
0.45	2.00	0.00	0.00	0.01	0.00	0.46	2.00	0.00	0.00	0.01	0.00
0.47	2.00	0.00	0.00	0.01	0.00	0.48	2.00	0.00	0.00	0.01	0.00
0.49	2.00	0.00	0.00	0.01	0.00	0.50	2.00	0.00	0.00	0.01	0.00
0.51	2.00	0.00	0.00	0.01	0.00	0.52	2.00	0.00	0.00	0.01	0.00
0.53	2.00	0.00	0.00	0.01	0.00	0.54	2.00	0.00	0.00	0.01	0.00
0.55	2.00	0.00	0.00	0.01	0.00	0.56	2.00	0.00	0.00	0.01	0.00
0.57	2.00	0.00	0.00	0.01	0.00	0.58	2.00	0.00	0.00	0.01	0.00
0.59	2.00	0.00	0.00	0.01	0.00	0.60	2.00	0.00	0.00	0.01	0.00
0.61	2.00	0.00	0.00	0.01	0.00	0.62	2.00	0.00	0.00	0.01	0.00
0.63	2.00	0.00	0.00	0.01	0.00	0.64	2.00	0.00	0.00	0.01	0.00
0.65	2.00	0.00	0.00	0.01	0.00	0.66	2.00	0.00	0.00	0.01	0.00
0.67	2.00	0.00	0.00	0.01	0.00	0.68	2.00	0.00	0.00	0.01	0.00
0.69	2.00	0.00	0.00	0.01	0.00	0.70	2.00	0.00	0.00	0.01	0.00
0.71	2.00	0.00	0.00	0.01	0.00	0.72	2.00	0.00	0.00	0.01	0.00
0.73	2.00	0.00	0.00	0.01	0.00	0.74	2.00	0.00	0.00	0.01	0.00
0.75	2.00	0.00	0.00	0.01	0.00	0.76	2.00	0.00	0.00	0.01	0.00
0.77	2.00	0.00	0.00	0.01	0.00	0.78	2.00	0.00	0.00	0.01	0.00
0.79	2.00	0.00	0.00	0.01	0.00	0.80	2.00	0.00	0.00	0.01	0.00
0.81	2.00	0.00	0.00	0.01	0.00	0.82	2.00	0.00	0.00	0.01	0.00
0.83	2.00	0.00	0.00	0.01	0.00	0.84	2.00	0.00	0.00	0.01	0.00
0.85	2.00	0.00	0.00	0.01	0.00	0.86	2.00	0.00	0.00	0.01	0.00
0.87	2.00	0.00	0.00	0.01	0.00	0.88	2.00	0.00	0.00	0.01	0.00
0.89	2.00	0.00	0.00	0.01	0.00	0.90	2.00	0.00	0.00	0.01	0.00
0.91	2.00	0.00	0.00	0.01	0.00	0.92	2.00	0.00	0.00	0.01	0.00
0.93	2.00	0.00	0.00	0.01	0.00	0.94	2.00	0.00	0.00	0.01	0.00
0.95	2.00	0.00	0.00	0.01	0.00	0.96	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
0.97	2.00	0.00	0.00	0.01	0.00	0.98	2.00	0.00	0.00	0.01	0.00
0.99	2.00	0.00	0.00	0.01	0.00	1.00	2.00	0.00	0.00	0.01	0.00
1.01	1.62	0.00	0.00	0.01	0.00	1.02	1.62	0.00	0.00	0.01	0.00
1.03	1.61	0.00	0.00	0.01	0.00	1.04	1.61	0.00	0.00	0.01	0.00
1.05	1.60	0.00	0.00	0.01	0.00	1.06	1.59	0.00	0.00	0.01	0.00
1.07	1.57	0.00	0.00	0.01	0.00	1.08	1.56	0.00	0.00	0.01	0.00
1.09	1.55	0.00	0.00	0.01	0.00	1.10	1.54	0.00	0.00	0.01	0.00
1.11	1.53	0.00	0.00	0.01	0.00	1.12	1.52	0.00	0.00	0.01	0.00
1.13	1.50	0.00	0.00	0.01	0.00	1.14	1.47	0.00	0.00	0.01	0.00
1.15	1.46	0.00	0.00	0.01	0.00	1.16	1.44	0.00	0.00	0.01	0.00
1.17	1.43	0.00	0.00	0.01	0.00	1.18	1.42	0.00	0.00	0.01	0.00
1.19	1.42	0.00	0.00	0.01	0.00	1.20	1.41	0.00	0.00	0.01	0.00
1.21	1.41	0.00	0.00	0.01	0.00	1.22	1.38	0.00	0.00	0.01	0.00
1.23	1.37	0.00	0.00	0.01	0.00	1.24	1.36	0.00	0.00	0.01	0.00
1.25	1.36	0.00	0.00	0.01	0.00	1.26	1.37	0.00	0.00	0.01	0.00
1.27	1.37	0.00	0.00	0.01	0.00	1.28	1.38	0.00	0.00	0.01	0.00
1.29	1.39	0.00	0.00	0.01	0.00	1.30	1.41	0.00	0.00	0.01	0.00
1.31	1.41	0.00	0.00	0.01	0.00	1.32	1.43	0.00	0.00	0.01	0.00
1.33	1.43	0.00	0.00	0.01	0.00	1.34	1.47	0.00	0.00	0.01	0.00
1.35	1.49	0.00	0.00	0.01	0.00	1.36	1.50	0.00	0.00	0.01	0.00
1.37	1.50	0.00	0.00	0.01	0.00	1.38	1.51	0.00	0.00	0.01	0.00
1.39	1.53	0.00	0.00	0.01	0.00	1.40	1.53	0.00	0.00	0.01	0.00
1.41	1.52	0.00	0.00	0.01	0.00	1.42	1.50	0.00	0.00	0.01	0.00
1.43	1.48	0.00	0.00	0.01	0.00	1.44	1.45	0.00	0.00	0.01	0.00
1.45	1.43	0.00	0.00	0.01	0.00	1.46	1.38	0.00	0.00	0.01	0.00
1.47	1.34	0.00	0.00	0.01	0.00	1.48	1.28	0.00	0.00	0.01	0.00
1.49	1.25	0.00	0.00	0.01	0.00	1.50	1.24	0.00	0.00	0.01	0.00
1.51	1.22	0.00	0.00	0.01	0.00	1.52	1.16	0.00	0.00	0.01	0.00
1.53	1.11	0.00	0.00	0.01	0.00	1.54	1.05	0.00	0.00	0.01	0.00
1.55	1.04	0.00	0.00	0.01	0.00	1.56	1.03	0.00	0.00	0.01	0.00
1.57	1.02	0.00	0.00	0.01	0.00	1.58	1.01	0.00	0.00	0.01	0.00
1.59	1.00	0.00	0.00	0.01	0.00	1.60	0.99	0.00	0.00	0.01	0.00
1.61	0.98	0.00	0.00	0.01	0.00	1.62	0.97	0.00	0.00	0.01	0.00
1.63	0.96	0.00	0.00	0.01	0.00	1.64	0.96	0.00	0.00	0.01	0.00
1.65	0.95	0.00	0.00	0.01	0.01	1.66	0.94	0.00	0.00	0.01	0.01
1.67	0.94	0.00	0.00	0.01	0.01	1.68	0.93	0.00	0.00	0.01	0.01
1.69	0.92	0.00	0.00	0.01	0.01	1.70	0.91	0.00	0.00	0.01	0.01
1.71	0.90	0.00	0.00	0.01	0.01	1.72	0.89	0.00	0.00	0.01	0.01
1.73	0.89	0.00	0.00	0.01	0.01	1.74	0.88	0.00	0.00	0.01	0.01
1.75	0.88	0.00	0.00	0.01	0.01	1.76	0.88	0.00	0.00	0.01	0.01
1.77	0.88	0.00	0.00	0.01	0.01	1.78	0.88	0.00	0.00	0.01	0.01
1.79	0.88	0.00	0.00	0.01	0.01	1.80	0.88	0.00	0.00	0.01	0.01
1.81	0.88	0.00	0.00	0.01	0.01	1.82	0.88	0.00	0.00	0.01	0.01
1.83	0.88	0.00	0.00	0.01	0.01	1.84	0.88	0.00	0.00	0.01	0.01
1.85	0.88	0.00	0.00	0.01	0.01	1.86	0.87	0.00	0.00	0.01	0.01
1.87	0.86	0.00	0.00	0.01	0.01	1.88	0.85	0.00	0.00	0.01	0.01
1.89	0.84	0.00	0.00	0.01	0.01	1.90	0.83	0.00	0.00	0.01	0.02
1.91	0.83	0.17	2.08	0.01	0.02	1.92	0.82	0.18	1.97	0.01	0.02

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
1.93	0.81	0.19	1.85	0.01	0.02	1.94	0.81	0.19	1.76	0.01	0.02
1.95	0.80	0.20	1.67	0.01	0.02	1.96	0.80	0.20	1.61	0.01	0.02
1.97	0.79	0.21	1.55	0.01	0.02	1.98	0.79	0.21	1.50	0.01	0.02
1.99	0.78	0.22	1.42	0.01	0.02	2.00	0.77	0.23	1.34	0.01	0.02
2.01	0.76	0.24	1.26	0.01	0.02	2.02	0.76	0.24	1.23	0.01	0.02
2.03	0.75	0.25	1.21	0.01	0.02	2.04	0.76	0.24	1.25	0.01	0.02
2.05	0.77	0.23	1.32	0.01	0.02	2.06	0.78	0.22	1.42	0.01	0.02
2.07	0.79	0.21	1.49	0.01	0.02	2.08	0.79	0.21	1.55	0.01	0.02
2.09	0.79	0.21	1.59	0.01	0.02	2.10	0.80	0.20	1.62	0.01	0.02
2.11	0.81	0.19	1.80	0.01	0.02	2.12	0.83	0.17	2.18	0.01	0.02
2.13	0.87	0.00	0.00	0.01	0.01	2.14	0.90	0.00	0.00	0.01	0.01
2.15	0.94	0.00	0.00	0.01	0.00	2.16	0.98	0.00	0.00	0.01	0.00
2.17	2.00	0.00	0.00	0.01	0.00	2.18	2.00	0.00	0.00	0.01	0.00
2.19	2.00	0.00	0.00	0.01	0.00	2.20	2.00	0.00	0.00	0.01	0.00
2.21	1.05	0.00	0.00	0.01	0.00	2.22	1.02	0.00	0.00	0.01	0.00
2.23	1.05	0.00	0.00	0.01	0.00	2.24	1.08	0.00	0.00	0.01	0.00
2.25	1.10	0.00	0.00	0.01	0.00	2.26	1.10	0.00	0.00	0.01	0.00
2.27	1.09	0.00	0.00	0.01	0.00	2.28	1.07	0.00	0.00	0.01	0.00
2.29	1.05	0.00	0.00	0.01	0.00	2.30	1.05	0.00	0.00	0.01	0.00
2.31	1.05	0.00	0.00	0.01	0.00	2.32	2.00	0.00	0.00	0.01	0.00
2.33	2.00	0.00	0.00	0.01	0.00	2.34	2.00	0.00	0.00	0.01	0.00
2.35	2.00	0.00	0.00	0.01	0.00	2.36	2.00	0.00	0.00	0.01	0.00
2.37	2.00	0.00	0.00	0.01	0.00	2.38	2.00	0.00	0.00	0.01	0.00
2.39	2.00	0.00	0.00	0.01	0.00	2.40	2.00	0.00	0.00	0.01	0.00
2.41	2.00	0.00	0.00	0.01	0.00	2.42	2.00	0.00	0.00	0.01	0.00
2.43	2.00	0.00	0.00	0.01	0.00	2.44	2.00	0.00	0.00	0.01	0.00
2.45	2.00	0.00	0.00	0.01	0.00	2.46	2.00	0.00	0.00	0.01	0.00
2.47	2.00	0.00	0.00	0.01	0.00	2.48	2.00	0.00	0.00	0.01	0.00
2.49	2.00	0.00	0.00	0.01	0.00	2.50	2.00	0.00	0.00	0.01	0.00
2.51	2.00	0.00	0.00	0.01	0.00	2.52	2.00	0.00	0.00	0.01	0.00
2.53	2.00	0.00	0.00	0.01	0.00	2.54	2.00	0.00	0.00	0.01	0.00
2.55	2.00	0.00	0.00	0.01	0.00	2.56	2.00	0.00	0.00	0.01	0.00
2.57	2.00	0.00	0.00	0.01	0.00	2.58	2.00	0.00	0.00	0.01	0.00
2.59	2.00	0.00	0.00	0.01	0.00	2.60	2.00	0.00	0.00	0.01	0.00
2.61	2.00	0.00	0.00	0.01	0.00	2.62	2.00	0.00	0.00	0.01	0.00
2.63	2.00	0.00	0.00	0.01	0.00	2.64	0.96	0.00	0.00	0.01	0.00
2.65	0.93	0.00	0.00	0.01	0.01	2.66	0.89	0.00	0.00	0.01	0.01
2.67	0.87	0.00	0.00	0.01	0.01	2.68	0.84	0.00	0.00	0.01	0.01
2.69	0.80	0.20	1.66	0.01	0.02	2.70	0.76	0.24	1.27	0.01	0.02
2.71	0.74	0.26	1.15	0.01	0.02	2.72	0.73	0.27	1.07	0.01	0.02
2.73	0.72	0.28	1.03	0.01	0.02	2.74	0.72	0.28	0.99	0.01	0.02
2.75	0.71	0.29	0.97	0.01	0.02	2.76	0.71	0.29	0.97	0.01	0.02
2.77	0.72	0.28	1.00	0.01	0.02	2.78	0.72	0.28	1.02	0.01	0.02
2.79	0.72	0.28	1.03	0.01	0.02	2.80	0.72	0.28	1.03	0.01	0.02
2.81	0.73	0.27	1.04	0.01	0.02	2.82	0.73	0.27	1.07	0.01	0.02
2.83	0.73	0.27	1.08	0.01	0.02	2.84	0.73	0.27	1.09	0.01	0.02
2.85	0.73	0.27	1.09	0.01	0.02	2.86	0.74	0.26	1.10	0.01	0.02
2.87	0.75	0.25	1.16	0.01	0.02	2.88	0.76	0.24	1.23	0.01	0.02

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
2.89	0.77	0.23	1.35	0.01	0.02	2.90	2.00	0.00	0.00	0.01	0.00
2.91	2.00	0.00	0.00	0.01	0.00	2.92	2.00	0.00	0.00	0.01	0.00
2.93	2.00	0.00	0.00	0.01	0.00	2.94	2.00	0.00	0.00	0.01	0.00
2.95	2.00	0.00	0.00	0.01	0.00	2.96	2.00	0.00	0.00	0.01	0.00
2.97	2.00	0.00	0.00	0.01	0.00	2.98	2.00	0.00	0.00	0.01	0.00
2.99	2.00	0.00	0.00	0.01	0.00	3.00	2.00	0.00	0.00	0.01	0.00
3.01	2.00	0.00	0.00	0.01	0.00	3.02	2.00	0.00	0.00	0.01	0.00
3.03	2.00	0.00	0.00	0.01	0.00	3.04	2.00	0.00	0.00	0.01	0.00
3.05	2.00	0.00	0.00	0.01	0.00	3.06	2.00	0.00	0.00	0.01	0.00
3.07	2.00	0.00	0.00	0.01	0.00	3.08	2.00	0.00	0.00	0.01	0.00
3.09	2.00	0.00	0.00	0.01	0.00	3.10	2.00	0.00	0.00	0.01	0.00
3.11	2.00	0.00	0.00	0.01	0.00	3.12	2.00	0.00	0.00	0.01	0.00
3.13	2.00	0.00	0.00	0.01	0.00	3.14	2.00	0.00	0.00	0.01	0.00
3.15	2.00	0.00	0.00	0.01	0.00	3.16	2.00	0.00	0.00	0.01	0.00
3.17	2.00	0.00	0.00	0.01	0.00	3.18	2.00	0.00	0.00	0.01	0.00
3.19	2.00	0.00	0.00	0.01	0.00	3.20	2.00	0.00	0.00	0.01	0.00
3.21	2.00	0.00	0.00	0.01	0.00	3.22	2.00	0.00	0.00	0.01	0.00
3.23	2.00	0.00	0.00	0.01	0.00	3.24	2.00	0.00	0.00	0.01	0.00
3.25	2.00	0.00	0.00	0.01	0.00	3.26	2.00	0.00	0.00	0.01	0.00
3.27	2.00	0.00	0.00	0.01	0.00	3.28	2.00	0.00	0.00	0.01	0.00
3.29	2.00	0.00	0.00	0.01	0.00	3.30	2.00	0.00	0.00	0.01	0.00
3.31	2.00	0.00	0.00	0.01	0.00	3.32	2.00	0.00	0.00	0.01	0.00
3.33	2.00	0.00	0.00	0.01	0.00	3.34	2.00	0.00	0.00	0.01	0.00
3.35	2.00	0.00	0.00	0.01	0.00	3.36	2.00	0.00	0.00	0.01	0.00
3.37	2.00	0.00	0.00	0.01	0.00	3.38	2.00	0.00	0.00	0.01	0.00
3.39	2.00	0.00	0.00	0.01	0.00	3.40	2.00	0.00	0.00	0.01	0.00
3.41	2.00	0.00	0.00	0.01	0.00	3.42	2.00	0.00	0.00	0.01	0.00
3.43	2.00	0.00	0.00	0.01	0.00	3.44	2.00	0.00	0.00	0.01	0.00
3.45	2.00	0.00	0.00	0.01	0.00	3.46	2.00	0.00	0.00	0.01	0.00
3.47	2.00	0.00	0.00	0.01	0.00	3.48	2.00	0.00	0.00	0.01	0.00
3.49	2.00	0.00	0.00	0.01	0.00	3.50	2.00	0.00	0.00	0.01	0.00
3.51	2.00	0.00	0.00	0.01	0.00	3.52	2.00	0.00	0.00	0.01	0.00
3.53	2.00	0.00	0.00	0.01	0.00	3.54	2.00	0.00	0.00	0.01	0.00
3.55	2.00	0.00	0.00	0.01	0.00	3.56	2.00	0.00	0.00	0.01	0.00
3.57	2.00	0.00	0.00	0.01	0.00	3.58	2.00	0.00	0.00	0.01	0.00
3.59	2.00	0.00	0.00	0.01	0.00	3.60	2.00	0.00	0.00	0.01	0.00
3.61	2.00	0.00	0.00	0.01	0.00	3.62	2.00	0.00	0.00	0.01	0.00
3.63	2.00	0.00	0.00	0.01	0.00	3.64	2.00	0.00	0.00	0.01	0.00
3.65	2.00	0.00	0.00	0.01	0.00	3.66	2.00	0.00	0.00	0.01	0.00
3.67	2.00	0.00	0.00	0.01	0.00	3.68	2.00	0.00	0.00	0.01	0.00
3.69	2.00	0.00	0.00	0.01	0.00	3.70	2.00	0.00	0.00	0.01	0.00
3.71	2.00	0.00	0.00	0.01	0.00	3.72	2.00	0.00	0.00	0.01	0.00
3.73	2.00	0.00	0.00	0.01	0.00	3.74	2.00	0.00	0.00	0.01	0.00
3.75	2.00	0.00	0.00	0.01	0.00	3.76	2.00	0.00	0.00	0.01	0.00
3.77	2.00	0.00	0.00	0.01	0.00	3.78	0.80	0.20	1.66	0.01	0.02
3.79	0.80	0.20	1.60	0.01	0.02	3.80	0.79	0.21	1.49	0.01	0.02
3.81	0.77	0.23	1.38	0.01	0.02	3.82	0.77	0.23	1.31	0.01	0.02
3.83	0.74	0.26	1.13	0.01	0.02	3.84	0.71	0.29	0.96	0.01	0.02

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
3.85	0.67	0.33	0.80	0.01	0.03	3.86	0.63	0.37	0.71	0.01	0.03
3.87	0.61	0.39	0.65	0.01	0.03	3.88	0.60	0.40	0.63	0.01	0.03
3.89	0.61	0.39	0.64	0.01	0.03	3.90	0.63	0.37	0.69	0.01	0.03
3.91	0.65	0.35	0.76	0.01	0.03	3.92	0.68	0.32	0.84	0.01	0.03
3.93	0.70	0.30	0.91	0.01	0.02	3.94	0.71	0.29	0.97	0.01	0.02
3.95	0.73	0.27	1.07	0.01	0.02	3.96	0.74	0.26	1.12	0.01	0.02
3.97	0.74	0.26	1.12	0.01	0.02	3.98	0.71	0.29	0.97	0.01	0.02
3.99	0.69	0.31	0.88	0.01	0.02	4.00	0.63	0.37	0.70	0.01	0.03
4.01	0.59	0.41	0.61	0.01	0.03	4.02	0.55	0.45	0.55	0.01	0.04
4.03	0.55	0.45	0.54	0.01	0.04	4.04	0.55	0.45	0.55	0.01	0.04
4.05	0.56	0.44	0.56	0.01	0.04	4.06	0.57	0.43	0.58	0.01	0.03
4.07	0.59	0.41	0.60	0.01	0.03	4.08	0.65	0.35	0.74	0.01	0.03
4.09	2.00	0.00	0.00	0.01	0.00	4.10	2.00	0.00	0.00	0.01	0.00
4.11	2.00	0.00	0.00	0.01	0.00	4.12	2.00	0.00	0.00	0.01	0.00
4.13	2.00	0.00	0.00	0.01	0.00	4.14	2.00	0.00	0.00	0.01	0.00
4.15	2.00	0.00	0.00	0.01	0.00	4.16	2.00	0.00	0.00	0.01	0.00
4.17	2.00	0.00	0.00	0.01	0.00	4.18	2.00	0.00	0.00	0.01	0.00
4.19	2.00	0.00	0.00	0.01	0.00	4.20	2.00	0.00	0.00	0.01	0.00
4.21	2.00	0.00	0.00	0.01	0.00	4.22	2.00	0.00	0.00	0.01	0.00
4.23	2.00	0.00	0.00	0.01	0.00	4.24	2.00	0.00	0.00	0.01	0.00
4.25	2.00	0.00	0.00	0.01	0.00	4.26	2.00	0.00	0.00	0.01	0.00
4.27	2.00	0.00	0.00	0.01	0.00	4.28	2.00	0.00	0.00	0.01	0.00
4.29	2.00	0.00	0.00	0.01	0.00	4.30	2.00	0.00	0.00	0.01	0.00
4.31	2.00	0.00	0.00	0.01	0.00	4.32	0.80	0.20	1.67	0.01	0.02
4.33	0.75	0.25	1.18	0.01	0.02	4.34	0.73	0.27	1.05	0.01	0.02
4.35	0.72	0.28	0.99	0.01	0.02	4.36	0.74	0.26	1.12	0.01	0.02
4.37	0.80	0.20	1.62	0.01	0.02	4.38	0.84	0.00	0.00	0.01	0.01
4.39	0.88	0.00	0.00	0.01	0.01	4.40	0.90	0.00	0.00	0.01	0.01
4.41	0.91	0.00	0.00	0.01	0.01	4.42	0.92	0.00	0.00	0.01	0.01
4.43	0.92	0.00	0.00	0.01	0.01	4.44	0.92	0.00	0.00	0.01	0.01
4.45	0.90	0.00	0.00	0.01	0.01	4.46	0.87	0.00	0.00	0.01	0.01
4.47	0.85	0.00	0.00	0.01	0.01	4.48	0.81	0.19	1.80	0.01	0.01
4.49	0.78	0.22	1.39	0.01	0.02	4.50	0.74	0.26	1.13	0.01	0.02
4.51	0.73	0.27	1.09	0.01	0.02	4.52	0.73	0.27	1.08	0.01	0.02
4.53	0.72	0.28	1.03	0.01	0.02	4.54	0.71	0.29	0.97	0.01	0.02
4.55	0.70	0.30	0.92	0.01	0.02	4.56	0.69	0.31	0.89	0.01	0.02
4.57	0.68	0.32	0.86	0.01	0.02	4.58	0.67	0.33	0.82	0.01	0.03
4.59	0.67	0.33	0.80	0.01	0.03	4.60	0.66	0.34	0.78	0.01	0.03
4.61	0.66	0.34	0.78	0.01	0.03	4.62	0.66	0.34	0.78	0.01	0.03
4.63	0.66	0.34	0.79	0.01	0.03	4.64	0.67	0.33	0.80	0.01	0.03
4.65	0.67	0.33	0.80	0.01	0.03	4.66	0.66	0.34	0.77	0.01	0.03
4.67	0.64	0.36	0.73	0.01	0.03	4.68	0.63	0.37	0.69	0.01	0.03
4.69	0.61	0.39	0.66	0.01	0.03	4.70	0.61	0.39	0.64	0.01	0.03
4.71	0.60	0.40	0.63	0.01	0.03	4.72	0.59	0.41	0.62	0.01	0.03
4.73	0.59	0.41	0.61	0.01	0.03	4.74	0.59	0.41	0.61	0.01	0.03
4.75	0.50	0.50	0.48	0.01	0.04	4.76	0.58	0.42	0.59	0.01	0.03
4.77	0.57	0.43	0.58	0.01	0.03	4.78	0.57	0.43	0.58	0.01	0.03
4.79	0.57	0.43	0.57	0.01	0.03	4.80	0.56	0.44	0.56	0.01	0.03

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
4.81	0.56	0.44	0.56	0.01	0.03	4.82	0.56	0.44	0.56	0.01	0.03
4.83	0.56	0.44	0.56	0.01	0.03	4.84	0.56	0.44	0.56	0.01	0.03
4.85	0.57	0.43	0.57	0.01	0.03	4.86	0.58	0.42	0.59	0.01	0.03
4.87	0.59	0.41	0.61	0.01	0.03	4.88	0.59	0.41	0.62	0.01	0.03
4.89	0.60	0.40	0.62	0.01	0.03	4.90	0.60	0.40	0.63	0.01	0.03
4.91	0.60	0.40	0.63	0.01	0.03	4.92	0.60	0.40	0.63	0.01	0.03
4.93	0.60	0.40	0.63	0.01	0.03	4.94	0.60	0.40	0.62	0.01	0.03
4.95	0.59	0.41	0.62	0.01	0.03	4.96	0.58	0.42	0.60	0.01	0.03
4.97	0.58	0.42	0.58	0.01	0.03	4.98	0.56	0.44	0.57	0.01	0.03
4.99	0.56	0.44	0.56	0.01	0.03	5.00	0.56	0.44	0.55	0.01	0.03
5.01	0.55	0.45	0.55	0.01	0.03	5.02	0.55	0.45	0.55	0.01	0.03
5.03	0.56	0.44	0.56	0.01	0.03	5.04	0.56	0.44	0.56	0.01	0.03
5.05	0.57	0.43	0.58	0.01	0.03	5.06	0.57	0.43	0.58	0.01	0.03
5.07	0.58	0.42	0.59	0.01	0.03	5.08	0.58	0.42	0.59	0.01	0.03
5.09	0.58	0.42	0.59	0.01	0.03	5.10	0.58	0.42	0.60	0.01	0.03
5.11	0.58	0.42	0.60	0.01	0.03	5.12	0.59	0.41	0.61	0.01	0.03
5.13	0.59	0.41	0.61	0.01	0.03	5.14	0.59	0.41	0.61	0.01	0.03
5.15	0.59	0.41	0.62	0.01	0.03	5.16	0.60	0.40	0.63	0.01	0.03
5.17	0.60	0.40	0.64	0.01	0.03	5.18	0.61	0.39	0.65	0.01	0.03
5.19	0.61	0.39	0.66	0.01	0.03	5.20	0.61	0.39	0.66	0.01	0.03
5.21	0.61	0.39	0.65	0.01	0.03	5.22	0.51	0.49	0.49	0.01	0.04
5.23	0.52	0.48	0.50	0.01	0.04	5.24	0.52	0.48	0.50	0.01	0.04
5.25	0.61	0.39	0.66	0.01	0.03	5.26	0.61	0.39	0.66	0.01	0.03
5.27	0.61	0.39	0.65	0.01	0.03	5.28	0.60	0.40	0.64	0.01	0.03
5.29	0.60	0.40	0.63	0.01	0.03	5.30	0.59	0.41	0.62	0.01	0.03
5.31	0.59	0.41	0.61	0.01	0.03	5.32	0.59	0.41	0.61	0.01	0.03
5.33	0.59	0.41	0.60	0.01	0.03	5.34	0.59	0.41	0.61	0.01	0.03
5.35	0.59	0.41	0.61	0.01	0.03	5.36	0.59	0.41	0.61	0.01	0.03
5.37	0.59	0.41	0.61	0.01	0.03	5.38	0.59	0.41	0.62	0.01	0.03
5.39	0.59	0.41	0.62	0.01	0.03	5.40	0.59	0.41	0.62	0.01	0.03
5.41	0.59	0.41	0.62	0.01	0.03	5.42	0.59	0.41	0.61	0.01	0.03
5.43	0.59	0.41	0.61	0.01	0.03	5.44	0.58	0.42	0.60	0.01	0.03
5.45	0.58	0.42	0.60	0.01	0.03	5.46	0.58	0.42	0.59	0.01	0.03
5.47	0.57	0.43	0.57	0.01	0.03	5.48	0.56	0.44	0.56	0.01	0.03
5.49	0.56	0.44	0.56	0.01	0.03	5.50	0.56	0.44	0.56	0.01	0.03
5.51	0.56	0.44	0.56	0.01	0.03	5.52	0.57	0.43	0.57	0.01	0.03
5.53	0.57	0.43	0.58	0.01	0.03	5.54	0.57	0.43	0.58	0.01	0.03
5.55	0.57	0.43	0.58	0.01	0.03	5.56	0.49	0.51	0.47	0.01	0.04
5.57	0.50	0.50	0.47	0.01	0.04	5.58	0.50	0.50	0.48	0.01	0.04
5.59	0.51	0.49	0.49	0.01	0.04	5.60	0.52	0.48	0.50	0.01	0.03
5.61	0.53	0.47	0.52	0.01	0.03	5.62	0.54	0.46	0.53	0.01	0.03
5.63	0.57	0.43	0.58	0.01	0.03	5.64	0.61	0.39	0.65	0.01	0.03
5.65	0.66	0.34	0.77	0.01	0.02	5.66	0.68	0.32	0.86	0.01	0.02
5.67	0.71	0.29	0.95	0.01	0.02	5.68	0.73	0.27	1.06	0.01	0.02
5.69	0.74	0.26	1.14	0.01	0.02	5.70	0.76	0.24	1.26	0.01	0.02
5.71	0.77	0.23	1.33	0.01	0.02	5.72	0.78	0.22	1.39	0.01	0.02
5.73	0.77	0.23	1.35	0.01	0.02	5.74	0.77	0.23	1.32	0.01	0.02
5.75	0.75	0.25	1.22	0.01	0.02	5.76	0.74	0.26	1.10	0.01	0.02

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
5.77	0.89	0.00	0.00	0.01	0.01	5.78	0.89	0.00	0.00	0.01	0.01
5.79	0.89	0.00	0.00	0.01	0.01	5.80	0.88	0.00	0.00	0.01	0.01
5.81	0.88	0.00	0.00	0.01	0.01	5.82	0.88	0.00	0.00	0.01	0.01
5.83	0.89	0.00	0.00	0.01	0.01	5.84	0.90	0.00	0.00	0.01	0.01
5.85	0.91	0.00	0.00	0.01	0.01	5.86	0.92	0.00	0.00	0.01	0.01
5.87	0.93	0.00	0.00	0.01	0.00	5.88	0.95	0.00	0.00	0.01	0.00
5.89	0.96	0.00	0.00	0.01	0.00	5.90	0.96	0.00	0.00	0.01	0.00
5.91	0.95	0.00	0.00	0.01	0.00	5.92	0.94	0.00	0.00	0.01	0.00
5.93	0.92	0.00	0.00	0.01	0.01	5.94	0.89	0.00	0.00	0.01	0.01
5.95	0.85	0.00	0.00	0.01	0.01	5.96	0.80	0.20	1.61	0.01	0.01
5.97	0.76	0.24	1.24	0.01	0.02	5.98	0.72	0.28	1.01	0.01	0.02
5.99	0.70	0.30	0.90	0.01	0.02	6.00	0.67	0.33	0.82	0.01	0.02
6.01	0.67	0.33	0.80	0.01	0.02	6.02	0.67	0.33	0.81	0.01	0.02
6.03	0.68	0.32	0.84	0.01	0.02	6.04	0.70	0.30	0.92	0.01	0.02
6.05	0.72	0.28	1.02	0.01	0.02	6.06	0.76	0.24	1.25	0.01	0.02
6.07	0.80	0.20	1.64	0.01	0.01	6.08	0.85	0.00	0.00	0.01	0.01
6.09	0.86	0.00	0.00	0.01	0.01	6.10	0.87	0.00	0.00	0.01	0.01
6.11	0.86	0.00	0.00	0.01	0.01	6.12	0.85	0.00	0.00	0.01	0.01
6.13	0.81	0.19	1.75	0.01	0.01	6.14	0.77	0.23	1.33	0.01	0.02
6.15	0.75	0.25	1.17	0.01	0.02	6.16	0.68	0.32	0.86	0.01	0.02
6.17	0.63	0.37	0.69	0.01	0.03	6.18	0.58	0.42	0.59	0.01	0.03
6.19	0.56	0.44	0.56	0.01	0.03	6.20	0.55	0.45	0.54	0.01	0.03
6.21	0.53	0.47	0.52	0.01	0.03	6.22	0.52	0.48	0.50	0.01	0.03
6.23	0.51	0.49	0.49	0.01	0.03	6.24	0.50	0.50	0.47	0.01	0.03
6.25	0.50	0.50	0.47	0.01	0.03	6.26	0.50	0.50	0.47	0.01	0.03
6.27	0.50	0.50	0.47	0.01	0.03	6.28	0.50	0.50	0.48	0.01	0.03
6.29	0.50	0.50	0.48	0.01	0.03	6.30	0.50	0.50	0.48	0.01	0.03
6.31	0.50	0.50	0.48	0.01	0.03	6.32	0.50	0.50	0.48	0.01	0.03
6.33	0.50	0.50	0.48	0.01	0.03	6.34	0.50	0.50	0.47	0.01	0.03
6.35	0.43	0.57	0.41	0.01	0.04	6.36	0.43	0.57	0.41	0.01	0.04
6.37	0.48	0.52	0.46	0.01	0.04	6.38	0.49	0.51	0.46	0.01	0.03
6.39	0.49	0.51	0.47	0.01	0.03	6.40	0.44	0.56	0.42	0.01	0.04
6.41	0.44	0.56	0.42	0.01	0.04	6.42	0.44	0.56	0.42	0.01	0.04
6.43	0.44	0.56	0.42	0.01	0.04	6.44	0.44	0.56	0.42	0.01	0.04
6.45	0.44	0.56	0.42	0.01	0.04	6.46	0.45	0.55	0.42	0.01	0.04
6.47	0.45	0.55	0.43	0.01	0.04	6.48	0.45	0.55	0.43	0.01	0.04
6.49	0.45	0.55	0.43	0.01	0.04	6.50	0.46	0.54	0.43	0.01	0.04
6.51	0.46	0.54	0.44	0.01	0.04	6.52	0.47	0.53	0.44	0.01	0.04
6.53	0.47	0.53	0.45	0.01	0.04	6.54	0.47	0.53	0.45	0.01	0.04
6.55	0.48	0.52	0.45	0.01	0.04	6.56	0.48	0.52	0.46	0.01	0.03
6.57	0.49	0.51	0.46	0.01	0.03	6.58	0.49	0.51	0.47	0.01	0.03
6.59	0.50	0.50	0.48	0.01	0.03	6.60	0.51	0.49	0.49	0.01	0.03
6.61	0.51	0.49	0.49	0.01	0.03	6.62	0.52	0.48	0.51	0.01	0.03
6.63	0.53	0.47	0.52	0.01	0.03	6.64	0.55	0.45	0.54	0.01	0.03
6.65	0.55	0.45	0.54	0.01	0.03	6.66	0.56	0.44	0.55	0.01	0.03
6.67	0.56	0.44	0.56	0.01	0.03	6.68	0.57	0.43	0.57	0.01	0.03
6.69	0.71	0.29	0.95	0.01	0.02	6.70	0.73	0.27	1.04	0.01	0.02
6.71	0.73	0.27	1.08	0.01	0.02	6.72	0.74	0.26	1.10	0.01	0.02

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
6.73	0.74	0.26	1.15	0.01	0.02	6.74	0.75	0.25	1.18	0.01	0.02
6.75	0.76	0.24	1.24	0.01	0.02	6.76	0.76	0.24	1.26	0.01	0.02
6.77	0.76	0.24	1.28	0.01	0.02	6.78	0.76	0.24	1.29	0.01	0.02
6.79	0.77	0.23	1.30	0.01	0.02	6.80	0.77	0.23	1.30	0.01	0.02
6.81	0.76	0.24	1.29	0.01	0.02	6.82	0.76	0.24	1.23	0.01	0.02
6.83	0.75	0.25	1.19	0.01	0.02	6.84	0.73	0.27	1.09	0.01	0.02
6.85	0.72	0.28	1.01	0.01	0.02	6.86	0.70	0.30	0.94	0.01	0.02
6.87	0.70	0.30	0.92	0.01	0.02	6.88	0.70	0.30	0.92	0.01	0.02
6.89	0.70	0.30	0.92	0.01	0.02	6.90	0.71	0.29	0.95	0.01	0.02
6.91	0.72	0.28	0.99	0.01	0.02	6.92	0.73	0.27	1.06	0.01	0.02
6.93	0.74	0.26	1.11	0.01	0.02	6.94	0.75	0.25	1.18	0.01	0.02
6.95	0.76	0.24	1.23	0.01	0.02	6.96	0.77	0.23	1.37	0.01	0.01
6.97	0.79	0.21	1.54	0.01	0.01	6.98	0.81	0.19	1.84	0.01	0.01
6.99	0.83	0.17	2.08	0.01	0.01	7.00	0.84	0.00	0.00	0.01	0.01
7.01	0.85	0.00	0.00	0.01	0.01	7.02	0.86	0.00	0.00	0.01	0.01
7.03	0.86	0.00	0.00	0.01	0.01	7.04	0.87	0.00	0.00	0.01	0.01
7.05	0.87	0.00	0.00	0.01	0.01	7.06	0.86	0.00	0.00	0.01	0.01
7.07	0.85	0.00	0.00	0.01	0.01	7.08	0.83	0.17	2.21	0.01	0.01
7.09	0.81	0.19	1.79	0.01	0.01	7.10	0.79	0.21	1.58	0.01	0.01
7.11	0.78	0.22	1.40	0.01	0.01	7.12	0.76	0.24	1.30	0.01	0.02
7.13	0.73	0.27	1.09	0.01	0.02	7.14	0.70	0.30	0.93	0.01	0.02
7.15	0.67	0.33	0.80	0.01	0.02	7.16	0.65	0.35	0.74	0.01	0.02
7.17	0.63	0.37	0.71	0.01	0.02	7.18	0.62	0.38	0.68	0.01	0.02
7.19	0.62	0.38	0.68	0.01	0.02	7.20	0.64	0.36	0.72	0.01	0.02
7.21	0.61	0.39	0.65	0.01	0.03	7.22	0.58	0.42	0.59	0.01	0.03
7.23	0.59	0.41	0.61	0.01	0.03	7.24	0.66	0.34	0.79	0.01	0.02
7.25	2.00	0.00	0.00	0.01	0.00	7.26	2.00	0.00	0.00	0.01	0.00
7.27	2.00	0.00	0.00	0.01	0.00	7.28	2.00	0.00	0.00	0.01	0.00
7.29	2.00	0.00	0.00	0.01	0.00	7.30	2.00	0.00	0.00	0.01	0.00
7.31	2.00	0.00	0.00	0.01	0.00	7.32	2.00	0.00	0.00	0.01	0.00
7.33	2.00	0.00	0.00	0.01	0.00	7.34	2.00	0.00	0.00	0.01	0.00
7.35	1.02	0.00	0.00	0.01	0.00	7.36	0.93	0.00	0.00	0.01	0.00
7.37	0.90	0.00	0.00	0.01	0.01	7.38	0.88	0.00	0.00	0.01	0.01
7.39	0.83	0.17	2.09	0.01	0.01	7.40	0.78	0.22	1.39	0.01	0.01
7.41	0.72	0.28	1.01	0.01	0.02	7.42	0.68	0.32	0.84	0.01	0.02
7.43	0.66	0.34	0.77	0.01	0.02	7.44	0.61	0.39	0.66	0.01	0.02
7.45	0.59	0.41	0.60	0.01	0.03	7.46	0.57	0.43	0.57	0.01	0.03
7.47	0.56	0.44	0.57	0.01	0.03	7.48	0.56	0.44	0.56	0.01	0.03
7.49	0.48	0.52	0.45	0.01	0.03	7.50	0.54	0.46	0.54	0.01	0.03
7.51	0.54	0.46	0.53	0.01	0.03	7.52	0.53	0.47	0.52	0.01	0.03
7.53	0.54	0.46	0.53	0.01	0.03	7.54	0.54	0.46	0.53	0.01	0.03
7.55	0.55	0.45	0.54	0.01	0.03	7.56	0.55	0.45	0.55	0.01	0.03
7.57	0.56	0.44	0.57	0.01	0.03	7.58	0.57	0.43	0.57	0.01	0.03
7.59	0.57	0.43	0.57	0.01	0.03	7.60	0.57	0.43	0.58	0.01	0.03
7.61	0.58	0.42	0.58	0.01	0.03	7.62	0.58	0.42	0.59	0.01	0.03
7.63	0.58	0.42	0.59	0.01	0.03	7.64	0.58	0.42	0.59	0.01	0.03
7.65	0.57	0.43	0.58	0.01	0.03	7.66	0.57	0.43	0.58	0.01	0.03
7.67	0.56	0.44	0.56	0.01	0.03	7.68	0.55	0.45	0.55	0.01	0.03

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
7.69	0.54	0.46	0.53	0.01	0.03	7.70	0.53	0.47	0.52	0.01	0.03
7.71	0.53	0.47	0.52	0.01	0.03	7.72	0.52	0.48	0.50	0.01	0.03
7.73	0.51	0.49	0.49	0.01	0.03	7.74	0.50	0.50	0.48	0.01	0.03
7.75	0.50	0.50	0.48	0.01	0.03	7.76	0.50	0.50	0.48	0.01	0.03
7.77	0.50	0.50	0.48	0.01	0.03	7.78	0.50	0.50	0.48	0.01	0.03
7.79	0.51	0.49	0.49	0.01	0.03	7.80	0.51	0.49	0.49	0.01	0.03
7.81	0.51	0.49	0.49	0.01	0.03	7.82	0.51	0.49	0.49	0.01	0.03
7.83	0.52	0.48	0.50	0.01	0.03	7.84	0.53	0.47	0.51	0.01	0.03
7.85	0.54	0.46	0.53	0.01	0.03	7.86	0.54	0.46	0.54	0.01	0.03
7.87	0.55	0.45	0.55	0.01	0.03	7.88	0.56	0.44	0.55	0.01	0.03
7.89	0.56	0.44	0.56	0.01	0.03	7.90	0.56	0.44	0.55	0.01	0.03
7.91	0.55	0.45	0.55	0.01	0.03	7.92	0.55	0.45	0.55	0.01	0.03
7.93	0.55	0.45	0.55	0.01	0.03	7.94	0.55	0.45	0.54	0.01	0.03
7.95	0.55	0.45	0.55	0.01	0.03	7.96	0.56	0.44	0.56	0.01	0.03
7.97	0.56	0.44	0.56	0.01	0.03	7.98	0.57	0.43	0.57	0.01	0.03
7.99	2.00	0.00	0.00	0.01	0.00	8.00	2.00	0.00	0.00	0.01	0.00
8.01	2.00	0.00	0.00	0.01	0.00	8.02	2.00	0.00	0.00	0.01	0.00
8.03	2.00	0.00	0.00	0.01	0.00	8.04	2.00	0.00	0.00	0.01	0.00
8.05	2.00	0.00	0.00	0.01	0.00	8.06	2.00	0.00	0.00	0.01	0.00
8.07	2.00	0.00	0.00	0.01	0.00	8.08	2.00	0.00	0.00	0.01	0.00
8.09	2.00	0.00	0.00	0.01	0.00	8.10	2.00	0.00	0.00	0.01	0.00
8.11	2.00	0.00	0.00	0.01	0.00	8.12	2.00	0.00	0.00	0.01	0.00
8.13	2.00	0.00	0.00	0.01	0.00	8.14	2.00	0.00	0.00	0.01	0.00
8.15	2.00	0.00	0.00	0.01	0.00	8.16	0.61	0.39	0.64	0.01	0.02
8.17	0.60	0.40	0.63	0.01	0.02	8.18	0.59	0.41	0.61	0.01	0.02
8.19	0.58	0.42	0.59	0.01	0.02	8.20	0.57	0.43	0.58	0.01	0.03
8.21	0.53	0.47	0.52	0.01	0.03	8.22	0.53	0.47	0.52	0.01	0.03
8.23	0.57	0.43	0.58	0.01	0.03	8.24	0.64	0.36	0.73	0.01	0.02
8.25	0.71	0.29	0.98	0.01	0.02	8.26	0.80	0.20	1.64	0.01	0.01
8.27	0.80	0.20	1.69	0.01	0.01	8.28	0.80	0.20	1.64	0.01	0.01
8.29	0.76	0.24	1.23	0.01	0.01	8.30	0.71	0.29	0.97	0.01	0.02
8.31	0.54	0.46	0.54	0.01	0.03	8.32	0.64	0.36	0.71	0.01	0.02
8.33	0.62	0.38	0.67	0.01	0.02	8.34	0.58	0.42	0.60	0.01	0.02
8.35	0.56	0.44	0.55	0.01	0.03	8.36	0.55	0.45	0.54	0.01	0.03
8.37	0.57	0.43	0.57	0.01	0.03	8.38	0.60	0.40	0.63	0.01	0.02
8.39	0.63	0.37	0.70	0.01	0.02	8.40	0.73	0.27	1.05	0.01	0.02
8.41	2.00	0.00	0.00	0.01	0.00	8.42	2.00	0.00	0.00	0.01	0.00
8.43	2.00	0.00	0.00	0.01	0.00	8.44	2.00	0.00	0.00	0.01	0.00
8.45	2.00	0.00	0.00	0.01	0.00	8.46	2.00	0.00	0.00	0.01	0.00
8.47	2.00	0.00	0.00	0.01	0.00	8.48	2.00	0.00	0.00	0.01	0.00
8.49	2.00	0.00	0.00	0.01	0.00	8.50	2.00	0.00	0.00	0.01	0.00
8.51	2.00	0.00	0.00	0.01	0.00	8.52	2.00	0.00	0.00	0.01	0.00
8.53	2.00	0.00	0.00	0.01	0.00	8.54	2.00	0.00	0.00	0.01	0.00
8.55	2.00	0.00	0.00	0.01	0.00	8.56	2.00	0.00	0.00	0.01	0.00
8.57	2.00	0.00	0.00	0.01	0.00	8.58	2.00	0.00	0.00	0.01	0.00
8.59	2.00	0.00	0.00	0.01	0.00	8.60	2.00	0.00	0.00	0.01	0.00
8.61	2.00	0.00	0.00	0.01	0.00	8.62	2.00	0.00	0.00	0.01	0.00
8.63	2.00	0.00	0.00	0.01	0.00	8.64	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
8.65	2.00	0.00	0.00	0.01	0.00	8.66	2.00	0.00	0.00	0.01	0.00
8.67	2.00	0.00	0.00	0.01	0.00	8.68	2.00	0.00	0.00	0.01	0.00
8.69	2.00	0.00	0.00	0.01	0.00	8.70	2.00	0.00	0.00	0.01	0.00
8.71	2.00	0.00	0.00	0.01	0.00	8.72	2.00	0.00	0.00	0.01	0.00
8.73	2.00	0.00	0.00	0.01	0.00	8.74	2.00	0.00	0.00	0.01	0.00
8.75	2.00	0.00	0.00	0.01	0.00	8.76	2.00	0.00	0.00	0.01	0.00
8.77	2.00	0.00	0.00	0.01	0.00	8.78	2.00	0.00	0.00	0.01	0.00
8.79	2.00	0.00	0.00	0.01	0.00	8.80	2.00	0.00	0.00	0.01	0.00
8.81	2.00	0.00	0.00	0.01	0.00	8.82	2.00	0.00	0.00	0.01	0.00
8.83	2.00	0.00	0.00	0.01	0.00	8.84	2.00	0.00	0.00	0.01	0.00
8.85	2.00	0.00	0.00	0.01	0.00	8.86	2.00	0.00	0.00	0.01	0.00
8.87	2.00	0.00	0.00	0.01	0.00	8.88	2.00	0.00	0.00	0.01	0.00
8.89	2.00	0.00	0.00	0.01	0.00	8.90	2.00	0.00	0.00	0.01	0.00
8.91	2.00	0.00	0.00	0.01	0.00	8.92	2.00	0.00	0.00	0.01	0.00
8.93	2.00	0.00	0.00	0.01	0.00	8.94	2.00	0.00	0.00	0.01	0.00
8.95	2.00	0.00	0.00	0.01	0.00	8.96	2.00	0.00	0.00	0.01	0.00
8.97	2.00	0.00	0.00	0.01	0.00	8.98	2.00	0.00	0.00	0.01	0.00
8.99	2.00	0.00	0.00	0.01	0.00	9.00	2.00	0.00	0.00	0.01	0.00
9.01	2.00	0.00	0.00	0.01	0.00	9.02	2.00	0.00	0.00	0.01	0.00
9.03	2.00	0.00	0.00	0.01	0.00	9.04	2.00	0.00	0.00	0.01	0.00
9.05	2.00	0.00	0.00	0.01	0.00	9.06	2.00	0.00	0.00	0.01	0.00
9.07	2.00	0.00	0.00	0.01	0.00	9.08	2.00	0.00	0.00	0.01	0.00
9.09	2.00	0.00	0.00	0.01	0.00	9.10	2.00	0.00	0.00	0.01	0.00
9.11	2.00	0.00	0.00	0.01	0.00	9.12	2.00	0.00	0.00	0.01	0.00
9.13	2.00	0.00	0.00	0.01	0.00	9.14	2.00	0.00	0.00	0.01	0.00
9.15	2.00	0.00	0.00	0.01	0.00	9.16	2.00	0.00	0.00	0.01	0.00
9.17	2.00	0.00	0.00	0.01	0.00	9.18	2.00	0.00	0.00	0.01	0.00
9.19	2.00	0.00	0.00	0.01	0.00	9.20	2.00	0.00	0.00	0.01	0.00
9.21	2.00	0.00	0.00	0.01	0.00	9.22	2.00	0.00	0.00	0.01	0.00
9.23	2.00	0.00	0.00	0.01	0.00	9.24	2.00	0.00	0.00	0.01	0.00
9.25	2.00	0.00	0.00	0.01	0.00	9.26	2.00	0.00	0.00	0.01	0.00
9.27	2.00	0.00	0.00	0.01	0.00	9.28	2.00	0.00	0.00	0.01	0.00
9.29	2.00	0.00	0.00	0.01	0.00	9.30	2.00	0.00	0.00	0.01	0.00
9.31	2.00	0.00	0.00	0.01	0.00	9.32	2.00	0.00	0.00	0.01	0.00
9.33	2.00	0.00	0.00	0.01	0.00	9.34	2.00	0.00	0.00	0.01	0.00
9.35	2.00	0.00	0.00	0.01	0.00	9.36	2.00	0.00	0.00	0.01	0.00
9.37	2.00	0.00	0.00	0.01	0.00	9.38	2.00	0.00	0.00	0.01	0.00
9.39	2.00	0.00	0.00	0.01	0.00	9.40	2.00	0.00	0.00	0.01	0.00
9.41	2.00	0.00	0.00	0.01	0.00	9.42	2.00	0.00	0.00	0.01	0.00
9.43	2.00	0.00	0.00	0.01	0.00	9.44	2.00	0.00	0.00	0.01	0.00
9.45	2.00	0.00	0.00	0.01	0.00	9.46	2.00	0.00	0.00	0.01	0.00
9.47	2.00	0.00	0.00	0.01	0.00	9.48	2.00	0.00	0.00	0.01	0.00
9.49	2.00	0.00	0.00	0.01	0.00	9.50	2.00	0.00	0.00	0.01	0.00
9.51	2.00	0.00	0.00	0.01	0.00	9.52	2.00	0.00	0.00	0.01	0.00
9.53	2.00	0.00	0.00	0.01	0.00	9.54	2.00	0.00	0.00	0.01	0.00
9.55	2.00	0.00	0.00	0.01	0.00	9.56	2.00	0.00	0.00	0.01	0.00
9.57	2.00	0.00	0.00	0.01	0.00	9.58	2.00	0.00	0.00	0.01	0.00
9.59	2.00	0.00	0.00	0.01	0.00	9.60	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
9.61	2.00	0.00	0.00	0.01	0.00	9.62	2.00	0.00	0.00	0.01	0.00
9.63	2.00	0.00	0.00	0.01	0.00	9.64	2.00	0.00	0.00	0.01	0.00
9.65	2.00	0.00	0.00	0.01	0.00	9.66	2.00	0.00	0.00	0.01	0.00
9.67	2.00	0.00	0.00	0.01	0.00	9.68	2.00	0.00	0.00	0.01	0.00
9.69	2.00	0.00	0.00	0.01	0.00	9.70	2.00	0.00	0.00	0.01	0.00
9.71	2.00	0.00	0.00	0.01	0.00	9.72	2.00	0.00	0.00	0.01	0.00
9.73	2.00	0.00	0.00	0.01	0.00	9.74	2.00	0.00	0.00	0.01	0.00
9.75	2.00	0.00	0.00	0.01	0.00	9.76	2.00	0.00	0.00	0.01	0.00
9.77	2.00	0.00	0.00	0.01	0.00	9.78	2.00	0.00	0.00	0.01	0.00
9.79	2.00	0.00	0.00	0.01	0.00	9.80	2.00	0.00	0.00	0.01	0.00
9.81	2.00	0.00	0.00	0.01	0.00	9.82	2.00	0.00	0.00	0.01	0.00
9.83	2.00	0.00	0.00	0.01	0.00	9.84	2.00	0.00	0.00	0.01	0.00
9.85	2.00	0.00	0.00	0.01	0.00	9.86	2.00	0.00	0.00	0.01	0.00
9.87	2.00	0.00	0.00	0.01	0.00	9.88	2.00	0.00	0.00	0.01	0.00
9.89	2.00	0.00	0.00	0.01	0.00	9.90	2.00	0.00	0.00	0.01	0.00
9.91	2.00	0.00	0.00	0.01	0.00	9.92	2.00	0.00	0.00	0.01	0.00
9.93	2.00	0.00	0.00	0.01	0.00	9.94	2.00	0.00	0.00	0.01	0.00
9.95	2.00	0.00	0.00	0.01	0.00	9.96	2.00	0.00	0.00	0.01	0.00
9.97	2.00	0.00	0.00	0.01	0.00	9.98	2.00	0.00	0.00	0.01	0.00
9.99	2.00	0.00	0.00	0.01	0.00	10.00	2.00	0.00	0.00	0.01	0.00
10.01	2.00	0.00	0.00	0.01	0.00	10.02	2.00	0.00	0.00	0.01	0.00
10.03	2.00	0.00	0.00	0.01	0.00	10.04	2.00	0.00	0.00	0.01	0.00
10.05	2.00	0.00	0.00	0.01	0.00	10.06	2.00	0.00	0.00	0.01	0.00
10.07	2.00	0.00	0.00	0.01	0.00	10.08	2.00	0.00	0.00	0.01	0.00
10.09	2.00	0.00	0.00	0.01	0.00	10.10	2.00	0.00	0.00	0.01	0.00
10.11	2.00	0.00	0.00	0.01	0.00	10.12	2.00	0.00	0.00	0.01	0.00
10.13	2.00	0.00	0.00	0.01	0.00	10.14	2.00	0.00	0.00	0.01	0.00
10.15	2.00	0.00	0.00	0.01	0.00	10.16	2.00	0.00	0.00	0.01	0.00
10.17	2.00	0.00	0.00	0.01	0.00	10.18	2.00	0.00	0.00	0.01	0.00
10.19	2.00	0.00	0.00	0.01	0.00	10.20	2.00	0.00	0.00	0.01	0.00
10.21	2.00	0.00	0.00	0.01	0.00	10.22	2.00	0.00	0.00	0.01	0.00
10.23	2.00	0.00	0.00	0.01	0.00	10.24	2.00	0.00	0.00	0.01	0.00
10.25	2.00	0.00	0.00	0.01	0.00	10.26	2.00	0.00	0.00	0.01	0.00
10.27	2.00	0.00	0.00	0.01	0.00	10.28	2.00	0.00	0.00	0.01	0.00
10.29	2.00	0.00	0.00	0.01	0.00	10.30	2.00	0.00	0.00	0.01	0.00
10.31	2.00	0.00	0.00	0.01	0.00	10.32	2.00	0.00	0.00	0.01	0.00
10.33	2.00	0.00	0.00	0.01	0.00	10.34	2.00	0.00	0.00	0.01	0.00
10.35	2.00	0.00	0.00	0.01	0.00	10.36	2.00	0.00	0.00	0.01	0.00
10.37	2.00	0.00	0.00	0.01	0.00	10.38	2.00	0.00	0.00	0.01	0.00
10.39	2.00	0.00	0.00	0.01	0.00	10.40	2.00	0.00	0.00	0.01	0.00
10.41	2.00	0.00	0.00	0.01	0.00	10.42	2.00	0.00	0.00	0.01	0.00
10.43	2.00	0.00	0.00	0.01	0.00	10.44	2.00	0.00	0.00	0.01	0.00
10.45	2.00	0.00	0.00	0.01	0.00	10.46	2.00	0.00	0.00	0.01	0.00
10.47	2.00	0.00	0.00	0.01	0.00	10.48	2.00	0.00	0.00	0.01	0.00
10.49	2.00	0.00	0.00	0.01	0.00	10.50	2.00	0.00	0.00	0.01	0.00
10.51	2.00	0.00	0.00	0.01	0.00	10.52	2.00	0.00	0.00	0.01	0.00
10.53	2.00	0.00	0.00	0.01	0.00	10.54	2.00	0.00	0.00	0.01	0.00
10.55	2.00	0.00	0.00	0.01	0.00	10.56	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
10.57	2.00	0.00	0.00	0.01	0.00	10.58	2.00	0.00	0.00	0.01	0.00
10.59	2.00	0.00	0.00	0.01	0.00	10.60	2.00	0.00	0.00	0.01	0.00
10.61	2.00	0.00	0.00	0.01	0.00	10.62	2.00	0.00	0.00	0.01	0.00
10.63	2.00	0.00	0.00	0.01	0.00	10.64	2.00	0.00	0.00	0.01	0.00
10.65	2.00	0.00	0.00	0.01	0.00	10.66	2.00	0.00	0.00	0.01	0.00
10.67	2.00	0.00	0.00	0.01	0.00	10.68	2.00	0.00	0.00	0.01	0.00
10.69	2.00	0.00	0.00	0.01	0.00	10.70	2.00	0.00	0.00	0.01	0.00
10.71	2.00	0.00	0.00	0.01	0.00	10.72	2.00	0.00	0.00	0.01	0.00
10.73	2.00	0.00	0.00	0.01	0.00	10.74	2.00	0.00	0.00	0.01	0.00
10.75	2.00	0.00	0.00	0.01	0.00	10.76	2.00	0.00	0.00	0.01	0.00
10.77	2.00	0.00	0.00	0.01	0.00	10.78	2.00	0.00	0.00	0.01	0.00
10.79	2.00	0.00	0.00	0.01	0.00	10.80	2.00	0.00	0.00	0.01	0.00
10.81	2.00	0.00	0.00	0.01	0.00	10.82	2.00	0.00	0.00	0.01	0.00
10.83	2.00	0.00	0.00	0.01	0.00	10.84	2.00	0.00	0.00	0.01	0.00
10.85	2.00	0.00	0.00	0.01	0.00	10.86	2.00	0.00	0.00	0.01	0.00
10.87	2.00	0.00	0.00	0.01	0.00	10.88	2.00	0.00	0.00	0.01	0.00
10.89	2.00	0.00	0.00	0.01	0.00	10.90	2.00	0.00	0.00	0.01	0.00
10.91	2.00	0.00	0.00	0.01	0.00	10.92	2.00	0.00	0.00	0.01	0.00
10.93	2.00	0.00	0.00	0.01	0.00	10.94	2.00	0.00	0.00	0.01	0.00
10.95	2.00	0.00	0.00	0.01	0.00	10.96	2.00	0.00	0.00	0.01	0.00
10.97	2.00	0.00	0.00	0.01	0.00	10.98	2.00	0.00	0.00	0.01	0.00
10.99	2.00	0.00	0.00	0.01	0.00	11.00	2.00	0.00	0.00	0.01	0.00
11.01	2.00	0.00	0.00	0.01	0.00	11.02	2.00	0.00	0.00	0.01	0.00
11.03	2.00	0.00	0.00	0.01	0.00	11.04	2.00	0.00	0.00	0.01	0.00
11.05	2.00	0.00	0.00	0.01	0.00	11.06	2.00	0.00	0.00	0.01	0.00
11.07	2.00	0.00	0.00	0.01	0.00	11.08	2.00	0.00	0.00	0.01	0.00
11.09	2.00	0.00	0.00	0.01	0.00	11.10	2.00	0.00	0.00	0.01	0.00
11.11	2.00	0.00	0.00	0.01	0.00	11.12	2.00	0.00	0.00	0.01	0.00
11.13	2.00	0.00	0.00	0.01	0.00	11.14	2.00	0.00	0.00	0.01	0.00
11.15	2.00	0.00	0.00	0.01	0.00	11.16	2.00	0.00	0.00	0.01	0.00
11.17	2.00	0.00	0.00	0.01	0.00	11.18	2.00	0.00	0.00	0.01	0.00
11.19	2.00	0.00	0.00	0.01	0.00	11.20	2.00	0.00	0.00	0.01	0.00
11.21	2.00	0.00	0.00	0.01	0.00	11.22	2.00	0.00	0.00	0.01	0.00
11.23	2.00	0.00	0.00	0.01	0.00	11.24	2.00	0.00	0.00	0.01	0.00
11.25	2.00	0.00	0.00	0.01	0.00	11.26	2.00	0.00	0.00	0.01	0.00
11.27	2.00	0.00	0.00	0.01	0.00	11.28	2.00	0.00	0.00	0.01	0.00
11.29	2.00	0.00	0.00	0.01	0.00	11.30	2.00	0.00	0.00	0.01	0.00
11.31	2.00	0.00	0.00	0.01	0.00	11.32	2.00	0.00	0.00	0.01	0.00
11.33	2.00	0.00	0.00	0.01	0.00	11.34	2.00	0.00	0.00	0.01	0.00
11.35	2.00	0.00	0.00	0.01	0.00	11.36	2.00	0.00	0.00	0.01	0.00
11.37	2.00	0.00	0.00	0.01	0.00	11.38	2.00	0.00	0.00	0.01	0.00
11.39	2.00	0.00	0.00	0.01	0.00	11.40	2.00	0.00	0.00	0.01	0.00
11.41	2.00	0.00	0.00	0.01	0.00	11.42	2.00	0.00	0.00	0.01	0.00
11.43	2.00	0.00	0.00	0.01	0.00	11.44	2.00	0.00	0.00	0.01	0.00
11.45	2.00	0.00	0.00	0.01	0.00	11.46	2.00	0.00	0.00	0.01	0.00
11.47	2.00	0.00	0.00	0.01	0.00	11.48	2.00	0.00	0.00	0.01	0.00
11.49	2.00	0.00	0.00	0.01	0.00	11.50	2.00	0.00	0.00	0.01	0.00
11.51	2.00	0.00	0.00	0.01	0.00	11.52	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
11.53	2.00	0.00	0.00	0.01	0.00	11.54	2.00	0.00	0.00	0.01	0.00
11.55	2.00	0.00	0.00	0.01	0.00	11.56	2.00	0.00	0.00	0.01	0.00
11.57	2.00	0.00	0.00	0.01	0.00	11.58	2.00	0.00	0.00	0.01	0.00
11.59	2.00	0.00	0.00	0.01	0.00	11.60	2.00	0.00	0.00	0.01	0.00
11.61	2.00	0.00	0.00	0.01	0.00	11.62	2.00	0.00	0.00	0.01	0.00
11.63	2.00	0.00	0.00	0.01	0.00	11.64	2.00	0.00	0.00	0.01	0.00
11.65	2.00	0.00	0.00	0.01	0.00	11.66	2.00	0.00	0.00	0.01	0.00
11.67	2.00	0.00	0.00	0.01	0.00	11.68	2.00	0.00	0.00	0.01	0.00
11.69	2.00	0.00	0.00	0.01	0.00	11.70	2.00	0.00	0.00	0.01	0.00
11.71	2.00	0.00	0.00	0.01	0.00	11.72	2.00	0.00	0.00	0.01	0.00
11.73	2.00	0.00	0.00	0.01	0.00	11.74	2.00	0.00	0.00	0.01	0.00
11.75	2.00	0.00	0.00	0.01	0.00	11.76	2.00	0.00	0.00	0.01	0.00
11.77	2.00	0.00	0.00	0.01	0.00	11.78	2.00	0.00	0.00	0.01	0.00
11.79	2.00	0.00	0.00	0.01	0.00	11.80	2.00	0.00	0.00	0.01	0.00
11.81	2.00	0.00	0.00	0.01	0.00	11.82	2.00	0.00	0.00	0.01	0.00
11.83	2.00	0.00	0.00	0.01	0.00	11.84	2.00	0.00	0.00	0.01	0.00
11.85	2.00	0.00	0.00	0.01	0.00	11.86	2.00	0.00	0.00	0.01	0.00
11.87	2.00	0.00	0.00	0.01	0.00	11.88	2.00	0.00	0.00	0.01	0.00
11.89	2.00	0.00	0.00	0.01	0.00	11.90	2.00	0.00	0.00	0.01	0.00
11.91	2.00	0.00	0.00	0.01	0.00	11.92	2.00	0.00	0.00	0.01	0.00
11.93	2.00	0.00	0.00	0.01	0.00	11.94	2.00	0.00	0.00	0.01	0.00
11.95	2.00	0.00	0.00	0.01	0.00	11.96	2.00	0.00	0.00	0.01	0.00
11.97	2.00	0.00	0.00	0.01	0.00	11.98	2.00	0.00	0.00	0.01	0.00
11.99	2.00	0.00	0.00	0.01	0.00	12.00	2.00	0.00	0.00	0.01	0.00
12.01	2.00	0.00	0.00	0.01	0.00	12.02	2.00	0.00	0.00	0.01	0.00
12.03	2.00	0.00	0.00	0.01	0.00	12.04	2.00	0.00	0.00	0.01	0.00
12.05	2.00	0.00	0.00	0.01	0.00	12.06	2.00	0.00	0.00	0.01	0.00
12.07	2.00	0.00	0.00	0.01	0.00	12.08	2.00	0.00	0.00	0.01	0.00
12.09	2.00	0.00	0.00	0.01	0.00	12.10	2.00	0.00	0.00	0.01	0.00
12.11	2.00	0.00	0.00	0.01	0.00	12.12	2.00	0.00	0.00	0.01	0.00
12.13	2.00	0.00	0.00	0.01	0.00	12.14	2.00	0.00	0.00	0.01	0.00
12.15	2.00	0.00	0.00	0.01	0.00	12.16	2.00	0.00	0.00	0.01	0.00
12.17	2.00	0.00	0.00	0.01	0.00	12.18	2.00	0.00	0.00	0.01	0.00
12.19	2.00	0.00	0.00	0.01	0.00	12.20	2.00	0.00	0.00	0.01	0.00
12.21	2.00	0.00	0.00	0.01	0.00	12.22	2.00	0.00	0.00	0.01	0.00
12.23	2.00	0.00	0.00	0.01	0.00	12.24	2.00	0.00	0.00	0.01	0.00
12.25	2.00	0.00	0.00	0.01	0.00	12.26	2.00	0.00	0.00	0.01	0.00
12.27	2.00	0.00	0.00	0.01	0.00	12.28	2.00	0.00	0.00	0.01	0.00
12.29	2.00	0.00	0.00	0.01	0.00	12.30	2.00	0.00	0.00	0.01	0.00
12.31	2.00	0.00	0.00	0.01	0.00	12.32	0.81	0.19	1.84	0.01	0.01
12.33	0.78	0.22	1.41	0.01	0.01	12.34	0.77	0.23	1.32	0.01	0.01
12.35	0.77	0.23	1.36	0.01	0.01	12.36	0.79	0.21	1.56	0.01	0.01
12.37	0.80	0.20	1.63	0.01	0.01	12.38	0.80	0.20	1.65	0.01	0.01
12.39	0.77	0.23	1.31	0.01	0.01	12.40	2.00	0.00	0.00	0.01	0.00
12.41	2.00	0.00	0.00	0.01	0.00	12.42	2.00	0.00	0.00	0.01	0.00
12.43	2.00	0.00	0.00	0.01	0.00	12.44	2.00	0.00	0.00	0.01	0.00
12.45	2.00	0.00	0.00	0.01	0.00	12.46	2.00	0.00	0.00	0.01	0.00
12.47	2.00	0.00	0.00	0.01	0.00	12.48	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
12.49	2.00	0.00	0.00	0.01	0.00	12.50	2.00	0.00	0.00	0.01	0.00
12.51	2.00	0.00	0.00	0.01	0.00	12.52	2.00	0.00	0.00	0.01	0.00
12.53	2.00	0.00	0.00	0.01	0.00	12.54	2.00	0.00	0.00	0.01	0.00
12.55	2.00	0.00	0.00	0.01	0.00	12.56	2.00	0.00	0.00	0.01	0.00
12.57	2.00	0.00	0.00	0.01	0.00	12.58	2.00	0.00	0.00	0.01	0.00
12.59	2.00	0.00	0.00	0.01	0.00	12.60	2.00	0.00	0.00	0.01	0.00
12.61	2.00	0.00	0.00	0.01	0.00	12.62	2.00	0.00	0.00	0.01	0.00
12.63	2.00	0.00	0.00	0.01	0.00	12.64	2.00	0.00	0.00	0.01	0.00
12.65	2.00	0.00	0.00	0.01	0.00	12.66	2.00	0.00	0.00	0.01	0.00
12.67	2.00	0.00	0.00	0.01	0.00	12.68	2.00	0.00	0.00	0.01	0.00
12.69	2.00	0.00	0.00	0.01	0.00	12.70	2.00	0.00	0.00	0.01	0.00
12.71	2.00	0.00	0.00	0.01	0.00	12.72	2.00	0.00	0.00	0.01	0.00
12.73	2.00	0.00	0.00	0.01	0.00	12.74	2.00	0.00	0.00	0.01	0.00
12.75	2.00	0.00	0.00	0.01	0.00	12.76	2.00	0.00	0.00	0.01	0.00
12.77	2.00	0.00	0.00	0.01	0.00	12.78	2.00	0.00	0.00	0.01	0.00
12.79	2.00	0.00	0.00	0.01	0.00	12.80	2.00	0.00	0.00	0.01	0.00
12.81	2.00	0.00	0.00	0.01	0.00	12.82	2.00	0.00	0.00	0.01	0.00
12.83	2.00	0.00	0.00	0.01	0.00	12.84	2.00	0.00	0.00	0.01	0.00
12.85	2.00	0.00	0.00	0.01	0.00	12.86	2.00	0.00	0.00	0.01	0.00
12.87	2.00	0.00	0.00	0.01	0.00	12.88	2.00	0.00	0.00	0.01	0.00
12.89	2.00	0.00	0.00	0.01	0.00	12.90	2.00	0.00	0.00	0.01	0.00
12.91	2.00	0.00	0.00	0.01	0.00	12.92	2.00	0.00	0.00	0.01	0.00
12.93	2.00	0.00	0.00	0.01	0.00	12.94	2.00	0.00	0.00	0.01	0.00
12.95	2.00	0.00	0.00	0.01	0.00	12.96	2.00	0.00	0.00	0.01	0.00
12.97	2.00	0.00	0.00	0.01	0.00	12.98	2.00	0.00	0.00	0.01	0.00
12.99	2.00	0.00	0.00	0.01	0.00	13.00	2.00	0.00	0.00	0.01	0.00
13.01	2.00	0.00	0.00	0.01	0.00	13.02	2.00	0.00	0.00	0.01	0.00
13.03	2.00	0.00	0.00	0.01	0.00	13.04	2.00	0.00	0.00	0.01	0.00
13.05	2.00	0.00	0.00	0.01	0.00	13.06	2.00	0.00	0.00	0.01	0.00
13.07	2.00	0.00	0.00	0.01	0.00	13.08	2.00	0.00	0.00	0.01	0.00
13.09	2.00	0.00	0.00	0.01	0.00	13.10	2.00	0.00	0.00	0.01	0.00
13.11	2.00	0.00	0.00	0.01	0.00	13.12	2.00	0.00	0.00	0.01	0.00
13.13	2.00	0.00	0.00	0.01	0.00	13.14	2.00	0.00	0.00	0.01	0.00
13.15	0.58	0.42	0.59	0.01	0.01	13.16	0.57	0.43	0.58	0.01	0.01
13.17	0.58	0.42	0.59	0.01	0.01	13.18	0.59	0.41	0.61	0.01	0.01
13.19	0.60	0.40	0.62	0.01	0.01	13.20	2.00	0.00	0.00	0.01	0.00
13.21	2.00	0.00	0.00	0.01	0.00	13.22	2.00	0.00	0.00	0.01	0.00
13.23	2.00	0.00	0.00	0.01	0.00	13.24	2.00	0.00	0.00	0.01	0.00
13.25	2.00	0.00	0.00	0.01	0.00	13.26	2.00	0.00	0.00	0.01	0.00
13.27	2.00	0.00	0.00	0.01	0.00	13.28	2.00	0.00	0.00	0.01	0.00
13.29	2.00	0.00	0.00	0.01	0.00	13.30	2.00	0.00	0.00	0.01	0.00
13.31	2.00	0.00	0.00	0.01	0.00	13.32	2.00	0.00	0.00	0.01	0.00
13.33	2.00	0.00	0.00	0.01	0.00	13.34	2.00	0.00	0.00	0.01	0.00
13.35	0.83	0.17	2.10	0.01	0.01	13.36	0.82	0.18	1.89	0.01	0.01
13.37	0.80	0.20	1.68	0.01	0.01	13.38	2.00	0.00	0.00	0.01	0.00
13.39	2.00	0.00	0.00	0.01	0.00	13.40	2.00	0.00	0.00	0.01	0.00
13.41	2.00	0.00	0.00	0.01	0.00	13.42	2.00	0.00	0.00	0.01	0.00
13.43	2.00	0.00	0.00	0.01	0.00	13.44	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
13.45	2.00	0.00	0.00	0.01	0.00	13.46	2.00	0.00	0.00	0.01	0.00
13.47	2.00	0.00	0.00	0.01	0.00	13.48	2.00	0.00	0.00	0.01	0.00
13.49	2.00	0.00	0.00	0.01	0.00	13.50	2.00	0.00	0.00	0.01	0.00
13.51	2.00	0.00	0.00	0.01	0.00	13.52	2.00	0.00	0.00	0.01	0.00
13.53	2.00	0.00	0.00	0.01	0.00	13.54	2.00	0.00	0.00	0.01	0.00
13.55	2.00	0.00	0.00	0.01	0.00	13.56	2.00	0.00	0.00	0.01	0.00
13.57	2.00	0.00	0.00	0.01	0.00	13.58	2.00	0.00	0.00	0.01	0.00
13.59	2.00	0.00	0.00	0.01	0.00	13.60	2.00	0.00	0.00	0.01	0.00
13.61	2.00	0.00	0.00	0.01	0.00	13.62	2.00	0.00	0.00	0.01	0.00
13.63	2.00	0.00	0.00	0.01	0.00	13.64	2.00	0.00	0.00	0.01	0.00
13.65	2.00	0.00	0.00	0.01	0.00	13.66	2.00	0.00	0.00	0.01	0.00
13.67	2.00	0.00	0.00	0.01	0.00	13.68	2.00	0.00	0.00	0.01	0.00
13.69	2.00	0.00	0.00	0.01	0.00	13.70	2.00	0.00	0.00	0.01	0.00
13.71	2.00	0.00	0.00	0.01	0.00	13.72	2.00	0.00	0.00	0.01	0.00
13.73	2.00	0.00	0.00	0.01	0.00	13.74	2.00	0.00	0.00	0.01	0.00
13.75	2.00	0.00	0.00	0.01	0.00	13.76	2.00	0.00	0.00	0.01	0.00
13.77	2.00	0.00	0.00	0.01	0.00	13.78	2.00	0.00	0.00	0.01	0.00
13.79	2.00	0.00	0.00	0.01	0.00	13.80	2.00	0.00	0.00	0.01	0.00
13.81	2.00	0.00	0.00	0.01	0.00	13.82	2.00	0.00	0.00	0.01	0.00
13.83	2.00	0.00	0.00	0.01	0.00	13.84	2.00	0.00	0.00	0.01	0.00
13.85	2.00	0.00	0.00	0.01	0.00	13.86	2.00	0.00	0.00	0.01	0.00
13.87	2.00	0.00	0.00	0.01	0.00	13.88	2.00	0.00	0.00	0.01	0.00
13.89	2.00	0.00	0.00	0.01	0.00	13.90	2.00	0.00	0.00	0.01	0.00
13.91	2.00	0.00	0.00	0.01	0.00	13.92	2.00	0.00	0.00	0.01	0.00
13.93	2.00	0.00	0.00	0.01	0.00	13.94	2.00	0.00	0.00	0.01	0.00
13.95	2.00	0.00	0.00	0.01	0.00	13.96	2.00	0.00	0.00	0.01	0.00
13.97	2.00	0.00	0.00	0.01	0.00	13.98	2.00	0.00	0.00	0.01	0.00
13.99	2.00	0.00	0.00	0.01	0.00	14.00	2.00	0.00	0.00	0.01	0.00
14.01	2.00	0.00	0.00	0.01	0.00	14.02	2.00	0.00	0.00	0.01	0.00
14.03	2.00	0.00	0.00	0.01	0.00	14.04	2.00	0.00	0.00	0.01	0.00
14.05	2.00	0.00	0.00	0.01	0.00	14.06	2.00	0.00	0.00	0.01	0.00
14.07	2.00	0.00	0.00	0.01	0.00	14.08	2.00	0.00	0.00	0.01	0.00
14.09	2.00	0.00	0.00	0.01	0.00	14.10	2.00	0.00	0.00	0.01	0.00
14.11	2.00	0.00	0.00	0.01	0.00	14.12	2.00	0.00	0.00	0.01	0.00
14.13	2.00	0.00	0.00	0.01	0.00	14.14	2.00	0.00	0.00	0.01	0.00
14.15	2.00	0.00	0.00	0.01	0.00	14.16	2.00	0.00	0.00	0.01	0.00
14.17	2.00	0.00	0.00	0.01	0.00	14.18	2.00	0.00	0.00	0.01	0.00
14.19	2.00	0.00	0.00	0.01	0.00	14.20	2.00	0.00	0.00	0.01	0.00
14.21	2.00	0.00	0.00	0.01	0.00	14.22	2.00	0.00	0.00	0.01	0.00
14.23	2.00	0.00	0.00	0.01	0.00	14.24	2.00	0.00	0.00	0.01	0.00
14.25	2.00	0.00	0.00	0.01	0.00	14.26	2.00	0.00	0.00	0.01	0.00
14.27	2.00	0.00	0.00	0.01	0.00	14.28	2.00	0.00	0.00	0.01	0.00
14.29	2.00	0.00	0.00	0.01	0.00	14.30	2.00	0.00	0.00	0.01	0.00
14.31	2.00	0.00	0.00	0.01	0.00	14.32	2.00	0.00	0.00	0.01	0.00
14.33	2.00	0.00	0.00	0.01	0.00	14.34	2.00	0.00	0.00	0.01	0.00
14.35	2.00	0.00	0.00	0.01	0.00	14.36	2.00	0.00	0.00	0.01	0.00
14.37	2.00	0.00	0.00	0.01	0.00	14.38	2.00	0.00	0.00	0.01	0.00
14.39	2.00	0.00	0.00	0.01	0.00	14.40	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
14.41	2.00	0.00	0.00	0.01	0.00	14.42	2.00	0.00	0.00	0.01	0.00
14.43	2.00	0.00	0.00	0.01	0.00	14.44	2.00	0.00	0.00	0.01	0.00
14.45	2.00	0.00	0.00	0.01	0.00	14.46	2.00	0.00	0.00	0.01	0.00
14.47	2.00	0.00	0.00	0.01	0.00	14.48	2.00	0.00	0.00	0.01	0.00
14.49	2.00	0.00	0.00	0.01	0.00	14.50	2.00	0.00	0.00	0.01	0.00
14.51	2.00	0.00	0.00	0.01	0.00	14.52	2.00	0.00	0.00	0.01	0.00
14.53	2.00	0.00	0.00	0.01	0.00	14.54	2.00	0.00	0.00	0.01	0.00
14.55	2.00	0.00	0.00	0.01	0.00	14.56	2.00	0.00	0.00	0.01	0.00
14.57	2.00	0.00	0.00	0.01	0.00	14.58	2.00	0.00	0.00	0.01	0.00
14.59	2.00	0.00	0.00	0.01	0.00	14.60	2.00	0.00	0.00	0.01	0.00
14.61	2.00	0.00	0.00	0.01	0.00	14.62	2.00	0.00	0.00	0.01	0.00
14.63	2.00	0.00	0.00	0.01	0.00	14.64	2.00	0.00	0.00	0.01	0.00
14.65	2.00	0.00	0.00	0.01	0.00	14.66	2.00	0.00	0.00	0.01	0.00
14.67	2.00	0.00	0.00	0.01	0.00	14.68	2.00	0.00	0.00	0.01	0.00
14.69	2.00	0.00	0.00	0.01	0.00	14.70	2.00	0.00	0.00	0.01	0.00
14.71	2.00	0.00	0.00	0.01	0.00	14.72	2.00	0.00	0.00	0.01	0.00
14.73	2.00	0.00	0.00	0.01	0.00	14.74	2.00	0.00	0.00	0.01	0.00
14.75	2.00	0.00	0.00	0.01	0.00	14.76	2.00	0.00	0.00	0.01	0.00
14.77	2.00	0.00	0.00	0.01	0.00	14.78	2.00	0.00	0.00	0.01	0.00
14.79	2.00	0.00	0.00	0.01	0.00	14.80	2.00	0.00	0.00	0.01	0.00
14.81	2.00	0.00	0.00	0.01	0.00	14.82	2.00	0.00	0.00	0.01	0.00
14.83	2.00	0.00	0.00	0.01	0.00	14.84	2.00	0.00	0.00	0.01	0.00
14.85	2.00	0.00	0.00	0.01	0.00	14.86	2.00	0.00	0.00	0.01	0.00
14.87	2.00	0.00	0.00	0.01	0.00	14.88	2.00	0.00	0.00	0.01	0.00
14.89	2.00	0.00	0.00	0.01	0.00	14.90	2.00	0.00	0.00	0.01	0.00
14.91	2.00	0.00	0.00	0.01	0.00	14.92	2.00	0.00	0.00	0.01	0.00
14.93	2.00	0.00	0.00	0.01	0.00	14.94	2.00	0.00	0.00	0.01	0.00
14.95	2.00	0.00	0.00	0.01	0.00	14.96	2.00	0.00	0.00	0.01	0.00
14.97	2.00	0.00	0.00	0.01	0.00	14.98	2.00	0.00	0.00	0.01	0.00
14.99	2.00	0.00	0.00	0.01	0.00	15.00	2.00	0.00	0.00	0.01	0.00
15.01	2.00	0.00	0.00	0.01	0.00	15.02	2.00	0.00	0.00	0.01	0.00
15.03	2.00	0.00	0.00	0.01	0.00	15.04	2.00	0.00	0.00	0.01	0.00
15.05	2.00	0.00	0.00	0.01	0.00	15.06	2.00	0.00	0.00	0.01	0.00
15.07	2.00	0.00	0.00	0.01	0.00	15.08	2.00	0.00	0.00	0.01	0.00
15.09	2.00	0.00	0.00	0.01	0.00	15.10	2.00	0.00	0.00	0.01	0.00
15.11	2.00	0.00	0.00	0.01	0.00	15.12	2.00	0.00	0.00	0.01	0.00
15.13	2.00	0.00	0.00	0.01	0.00	15.14	2.00	0.00	0.00	0.01	0.00
15.15	2.00	0.00	0.00	0.01	0.00	15.16	2.00	0.00	0.00	0.01	0.00
15.17	2.00	0.00	0.00	0.01	0.00	15.18	2.00	0.00	0.00	0.01	0.00
15.19	2.00	0.00	0.00	0.01	0.00	15.20	2.00	0.00	0.00	0.01	0.00
15.21	2.00	0.00	0.00	0.01	0.00	15.22	2.00	0.00	0.00	0.01	0.00
15.23	2.00	0.00	0.00	0.01	0.00	15.24	2.00	0.00	0.00	0.01	0.00
15.25	2.00	0.00	0.00	0.01	0.00	15.26	2.00	0.00	0.00	0.01	0.00
15.27	2.00	0.00	0.00	0.01	0.00	15.28	2.00	0.00	0.00	0.01	0.00
15.29	2.00	0.00	0.00	0.01	0.00	15.30	2.00	0.00	0.00	0.01	0.00
15.31	2.00	0.00	0.00	0.01	0.00	15.32	2.00	0.00	0.00	0.01	0.00
15.33	2.00	0.00	0.00	0.01	0.00	15.34	2.00	0.00	0.00	0.01	0.00
15.35	2.00	0.00	0.00	0.01	0.00	15.36	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
15.37	2.00	0.00	0.00	0.01	0.00	15.38	2.00	0.00	0.00	0.01	0.00
15.39	2.00	0.00	0.00	0.01	0.00	15.40	2.00	0.00	0.00	0.01	0.00
15.41	2.00	0.00	0.00	0.01	0.00	15.42	2.00	0.00	0.00	0.01	0.00
15.43	2.00	0.00	0.00	0.01	0.00	15.44	2.00	0.00	0.00	0.01	0.00
15.45	2.00	0.00	0.00	0.01	0.00	15.46	2.00	0.00	0.00	0.01	0.00
15.47	2.00	0.00	0.00	0.01	0.00	15.48	2.00	0.00	0.00	0.01	0.00
15.49	2.00	0.00	0.00	0.01	0.00	15.50	2.00	0.00	0.00	0.01	0.00
15.51	2.00	0.00	0.00	0.01	0.00	15.52	2.00	0.00	0.00	0.01	0.00
15.53	2.00	0.00	0.00	0.01	0.00	15.54	2.00	0.00	0.00	0.01	0.00
15.55	2.00	0.00	0.00	0.01	0.00	15.56	2.00	0.00	0.00	0.01	0.00
15.57	2.00	0.00	0.00	0.01	0.00	15.58	2.00	0.00	0.00	0.01	0.00
15.59	2.00	0.00	0.00	0.01	0.00	15.60	2.00	0.00	0.00	0.01	0.00
15.61	2.00	0.00	0.00	0.01	0.00	15.62	2.00	0.00	0.00	0.01	0.00
15.63	2.00	0.00	0.00	0.01	0.00	15.64	2.00	0.00	0.00	0.01	0.00
15.65	2.00	0.00	0.00	0.01	0.00	15.66	2.00	0.00	0.00	0.01	0.00
15.67	2.00	0.00	0.00	0.01	0.00	15.68	2.00	0.00	0.00	0.01	0.00
15.69	2.00	0.00	0.00	0.01	0.00	15.70	2.00	0.00	0.00	0.01	0.00
15.71	2.00	0.00	0.00	0.01	0.00	15.72	2.00	0.00	0.00	0.01	0.00
15.73	2.00	0.00	0.00	0.01	0.00	15.74	2.00	0.00	0.00	0.01	0.00
15.75	2.00	0.00	0.00	0.01	0.00	15.76	2.00	0.00	0.00	0.01	0.00
15.77	2.00	0.00	0.00	0.01	0.00	15.78	2.00	0.00	0.00	0.01	0.00
15.79	2.00	0.00	0.00	0.01	0.00	15.80	2.00	0.00	0.00	0.01	0.00
15.81	2.00	0.00	0.00	0.01	0.00	15.82	2.00	0.00	0.00	0.01	0.00
15.83	2.00	0.00	0.00	0.01	0.00	15.84	2.00	0.00	0.00	0.01	0.00
15.85	2.00	0.00	0.00	0.01	0.00	15.86	2.00	0.00	0.00	0.01	0.00
15.87	2.00	0.00	0.00	0.01	0.00	15.88	2.00	0.00	0.00	0.01	0.00
15.89	2.00	0.00	0.00	0.01	0.00	15.90	2.00	0.00	0.00	0.01	0.00
15.91	2.00	0.00	0.00	0.01	0.00	15.92	2.00	0.00	0.00	0.01	0.00
15.93	2.00	0.00	0.00	0.01	0.00	15.94	2.00	0.00	0.00	0.01	0.00
15.95	2.00	0.00	0.00	0.01	0.00	15.96	2.00	0.00	0.00	0.01	0.00
15.97	2.00	0.00	0.00	0.01	0.00	15.98	2.00	0.00	0.00	0.01	0.00
15.99	2.00	0.00	0.00	0.01	0.00	16.00	2.00	0.00	0.00	0.01	0.00
16.01	2.00	0.00	0.00	0.01	0.00	16.02	2.00	0.00	0.00	0.01	0.00
16.03	2.00	0.00	0.00	0.01	0.00	16.04	2.00	0.00	0.00	0.01	0.00
16.05	2.00	0.00	0.00	0.01	0.00	16.06	2.00	0.00	0.00	0.01	0.00
16.07	2.00	0.00	0.00	0.01	0.00	16.08	2.00	0.00	0.00	0.01	0.00
16.09	2.00	0.00	0.00	0.01	0.00	16.10	2.00	0.00	0.00	0.01	0.00
16.11	2.00	0.00	0.00	0.01	0.00	16.12	2.00	0.00	0.00	0.01	0.00
16.13	2.00	0.00	0.00	0.01	0.00	16.14	2.00	0.00	0.00	0.01	0.00
16.15	2.00	0.00	0.00	0.01	0.00	16.16	2.00	0.00	0.00	0.01	0.00
16.17	2.00	0.00	0.00	0.01	0.00	16.18	2.00	0.00	0.00	0.01	0.00
16.19	2.00	0.00	0.00	0.01	0.00	16.20	2.00	0.00	0.00	0.01	0.00
16.21	2.00	0.00	0.00	0.01	0.00	16.22	2.00	0.00	0.00	0.01	0.00
16.23	2.00	0.00	0.00	0.01	0.00	16.24	2.00	0.00	0.00	0.01	0.00
16.25	2.00	0.00	0.00	0.01	0.00	16.26	2.00	0.00	0.00	0.01	0.00
16.27	2.00	0.00	0.00	0.01	0.00	16.28	2.00	0.00	0.00	0.01	0.00
16.29	2.00	0.00	0.00	0.01	0.00	16.30	2.00	0.00	0.00	0.01	0.00
16.31	2.00	0.00	0.00	0.01	0.00	16.32	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
16.33	2.00	0.00	0.00	0.01	0.00	16.34	2.00	0.00	0.00	0.01	0.00
16.35	2.00	0.00	0.00	0.01	0.00	16.36	2.00	0.00	0.00	0.01	0.00
16.37	2.00	0.00	0.00	0.01	0.00	16.38	2.00	0.00	0.00	0.01	0.00
16.39	2.00	0.00	0.00	0.01	0.00	16.40	2.00	0.00	0.00	0.01	0.00
16.41	2.00	0.00	0.00	0.01	0.00	16.42	2.00	0.00	0.00	0.01	0.00
16.43	2.00	0.00	0.00	0.01	0.00	16.44	2.00	0.00	0.00	0.01	0.00
16.45	2.00	0.00	0.00	0.01	0.00	16.46	2.00	0.00	0.00	0.01	0.00
16.47	2.00	0.00	0.00	0.01	0.00	16.48	2.00	0.00	0.00	0.01	0.00
16.49	2.00	0.00	0.00	0.01	0.00	16.50	2.00	0.00	0.00	0.01	0.00
16.51	2.00	0.00	0.00	0.01	0.00	16.52	2.00	0.00	0.00	0.01	0.00
16.53	2.00	0.00	0.00	0.01	0.00	16.54	2.00	0.00	0.00	0.01	0.00
16.55	2.00	0.00	0.00	0.01	0.00	16.56	2.00	0.00	0.00	0.01	0.00
16.57	2.00	0.00	0.00	0.01	0.00	16.58	2.00	0.00	0.00	0.01	0.00
16.59	2.00	0.00	0.00	0.01	0.00	16.60	2.00	0.00	0.00	0.01	0.00
16.61	2.00	0.00	0.00	0.01	0.00	16.62	2.00	0.00	0.00	0.01	0.00
16.63	2.00	0.00	0.00	0.01	0.00	16.64	2.00	0.00	0.00	0.01	0.00
16.65	2.00	0.00	0.00	0.01	0.00	16.66	2.00	0.00	0.00	0.01	0.00
16.67	2.00	0.00	0.00	0.01	0.00	16.68	2.00	0.00	0.00	0.01	0.00
16.69	2.00	0.00	0.00	0.01	0.00	16.70	2.00	0.00	0.00	0.01	0.00
16.71	2.00	0.00	0.00	0.01	0.00	16.72	2.00	0.00	0.00	0.01	0.00
16.73	2.00	0.00	0.00	0.01	0.00	16.74	2.00	0.00	0.00	0.01	0.00
16.75	2.00	0.00	0.00	0.01	0.00	16.76	2.00	0.00	0.00	0.01	0.00
16.77	2.00	0.00	0.00	0.01	0.00	16.78	2.00	0.00	0.00	0.01	0.00
16.79	2.00	0.00	0.00	0.01	0.00	16.80	2.00	0.00	0.00	0.01	0.00
16.81	2.00	0.00	0.00	0.01	0.00	16.82	2.00	0.00	0.00	0.01	0.00
16.83	2.00	0.00	0.00	0.01	0.00	16.84	2.00	0.00	0.00	0.01	0.00
16.85	2.00	0.00	0.00	0.01	0.00	16.86	2.00	0.00	0.00	0.01	0.00
16.87	2.00	0.00	0.00	0.01	0.00	16.88	2.00	0.00	0.00	0.01	0.00
16.89	2.00	0.00	0.00	0.01	0.00	16.90	2.00	0.00	0.00	0.01	0.00
16.91	2.00	0.00	0.00	0.01	0.00	16.92	2.00	0.00	0.00	0.01	0.00
16.93	2.00	0.00	0.00	0.01	0.00	16.94	2.00	0.00	0.00	0.01	0.00
16.95	2.00	0.00	0.00	0.01	0.00	16.96	2.00	0.00	0.00	0.01	0.00
16.97	2.00	0.00	0.00	0.01	0.00	16.98	2.00	0.00	0.00	0.01	0.00
16.99	2.00	0.00	0.00	0.01	0.00	17.00	2.00	0.00	0.00	0.01	0.00
17.01	2.00	0.00	0.00	0.01	0.00	17.02	2.00	0.00	0.00	0.01	0.00
17.03	2.00	0.00	0.00	0.01	0.00	17.04	2.00	0.00	0.00	0.01	0.00
17.05	2.00	0.00	0.00	0.01	0.00	17.06	2.00	0.00	0.00	0.01	0.00
17.07	2.00	0.00	0.00	0.01	0.00	17.08	2.00	0.00	0.00	0.01	0.00
17.09	2.00	0.00	0.00	0.01	0.00	17.10	2.00	0.00	0.00	0.01	0.00
17.11	2.00	0.00	0.00	0.01	0.00	17.12	2.00	0.00	0.00	0.01	0.00
17.13	2.00	0.00	0.00	0.01	0.00	17.14	2.00	0.00	0.00	0.01	0.00
17.15	2.00	0.00	0.00	0.01	0.00	17.16	2.00	0.00	0.00	0.01	0.00
17.17	2.00	0.00	0.00	0.01	0.00	17.18	2.00	0.00	0.00	0.01	0.00
17.19	2.00	0.00	0.00	0.01	0.00	17.20	2.00	0.00	0.00	0.01	0.00
17.21	2.00	0.00	0.00	0.01	0.00	17.22	2.00	0.00	0.00	0.01	0.00
17.23	2.00	0.00	0.00	0.01	0.00	17.24	2.00	0.00	0.00	0.01	0.00
17.25	2.00	0.00	0.00	0.01	0.00	17.26	2.00	0.00	0.00	0.01	0.00
17.27	2.00	0.00	0.00	0.01	0.00	17.28	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
17.29	2.00	0.00	0.00	0.01	0.00	17.30	2.00	0.00	0.00	0.01	0.00
17.31	2.00	0.00	0.00	0.01	0.00	17.32	2.00	0.00	0.00	0.01	0.00
17.33	2.00	0.00	0.00	0.01	0.00	17.34	2.00	0.00	0.00	0.01	0.00
17.35	2.00	0.00	0.00	0.01	0.00	17.36	2.00	0.00	0.00	0.01	0.00
17.37	2.00	0.00	0.00	0.01	0.00	17.38	2.00	0.00	0.00	0.01	0.00
17.39	2.00	0.00	0.00	0.01	0.00	17.40	2.00	0.00	0.00	0.01	0.00
17.41	2.00	0.00	0.00	0.01	0.00	17.42	2.00	0.00	0.00	0.01	0.00
17.43	2.00	0.00	0.00	0.01	0.00	17.44	2.00	0.00	0.00	0.01	0.00
17.45	2.00	0.00	0.00	0.01	0.00	17.46	2.00	0.00	0.00	0.01	0.00
17.47	2.00	0.00	0.00	0.01	0.00	17.48	2.00	0.00	0.00	0.01	0.00
17.49	2.00	0.00	0.00	0.01	0.00	17.50	2.00	0.00	0.00	0.01	0.00
17.51	2.00	0.00	0.00	0.01	0.00	17.52	2.00	0.00	0.00	0.01	0.00
17.53	2.00	0.00	0.00	0.01	0.00	17.54	2.00	0.00	0.00	0.01	0.00
17.55	2.00	0.00	0.00	0.01	0.00	17.56	2.00	0.00	0.00	0.01	0.00
17.57	2.00	0.00	0.00	0.01	0.00	17.58	2.00	0.00	0.00	0.01	0.00
17.59	2.00	0.00	0.00	0.01	0.00	17.60	2.00	0.00	0.00	0.01	0.00
17.61	2.00	0.00	0.00	0.01	0.00	17.62	2.00	0.00	0.00	0.01	0.00
17.63	2.00	0.00	0.00	0.01	0.00	17.64	2.00	0.00	0.00	0.01	0.00
17.65	2.00	0.00	0.00	0.01	0.00	17.66	2.00	0.00	0.00	0.01	0.00
17.67	2.00	0.00	0.00	0.01	0.00	17.68	2.00	0.00	0.00	0.01	0.00
17.69	2.00	0.00	0.00	0.01	0.00	17.70	2.00	0.00	0.00	0.01	0.00
17.71	2.00	0.00	0.00	0.01	0.00	17.72	2.00	0.00	0.00	0.01	0.00
17.73	2.00	0.00	0.00	0.01	0.00	17.74	2.00	0.00	0.00	0.01	0.00
17.75	2.00	0.00	0.00	0.01	0.00	17.76	2.00	0.00	0.00	0.01	0.00
17.77	2.00	0.00	0.00	0.01	0.00	17.78	2.00	0.00	0.00	0.01	0.00
17.79	2.00	0.00	0.00	0.01	0.00	17.80	2.00	0.00	0.00	0.01	0.00
17.81	2.00	0.00	0.00	0.01	0.00	17.82	2.00	0.00	0.00	0.01	0.00
17.83	2.00	0.00	0.00	0.01	0.00	17.84	2.00	0.00	0.00	0.01	0.00
17.85	2.00	0.00	0.00	0.01	0.00	17.86	2.00	0.00	0.00	0.01	0.00
17.87	2.00	0.00	0.00	0.01	0.00	17.88	2.00	0.00	0.00	0.01	0.00
17.89	2.00	0.00	0.00	0.01	0.00	17.90	2.00	0.00	0.00	0.01	0.00
17.91	2.00	0.00	0.00	0.01	0.00	17.92	2.00	0.00	0.00	0.01	0.00
17.93	2.00	0.00	0.00	0.01	0.00	17.94	2.00	0.00	0.00	0.01	0.00
17.95	2.00	0.00	0.00	0.01	0.00	17.96	2.00	0.00	0.00	0.01	0.00
17.97	2.00	0.00	0.00	0.01	0.00	17.98	2.00	0.00	0.00	0.01	0.00
17.99	2.00	0.00	0.00	0.01	0.00	18.00	2.00	0.00	0.00	0.01	0.00
18.01	2.00	0.00	0.00	0.01	0.00	18.02	2.00	0.00	0.00	0.01	0.00
18.03	2.00	0.00	0.00	0.01	0.00	18.04	2.00	0.00	0.00	0.01	0.00
18.05	2.00	0.00	0.00	0.01	0.00	18.06	2.00	0.00	0.00	0.01	0.00
18.07	2.00	0.00	0.00	0.01	0.00	18.08	2.00	0.00	0.00	0.01	0.00
18.09	2.00	0.00	0.00	0.01	0.00	18.10	2.00	0.00	0.00	0.01	0.00
18.11	2.00	0.00	0.00	0.01	0.00	18.12	2.00	0.00	0.00	0.01	0.00
18.13	2.00	0.00	0.00	0.01	0.00	18.14	2.00	0.00	0.00	0.01	0.00
18.15	2.00	0.00	0.00	0.01	0.00	18.16	2.00	0.00	0.00	0.01	0.00
18.17	2.00	0.00	0.00	0.01	0.00	18.18	2.00	0.00	0.00	0.01	0.00
18.19	2.00	0.00	0.00	0.01	0.00	18.20	2.00	0.00	0.00	0.01	0.00
18.21	2.00	0.00	0.00	0.01	0.00	18.22	2.00	0.00	0.00	0.01	0.00
18.23	2.00	0.00	0.00	0.01	0.00	18.24	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
18.25	2.00	0.00	0.00	0.01	0.00	18.26	2.00	0.00	0.00	0.01	0.00
18.27	2.00	0.00	0.00	0.01	0.00	18.28	2.00	0.00	0.00	0.01	0.00
18.29	2.00	0.00	0.00	0.01	0.00	18.30	2.00	0.00	0.00	0.01	0.00
18.31	2.00	0.00	0.00	0.01	0.00	18.32	2.00	0.00	0.00	0.01	0.00
18.33	2.00	0.00	0.00	0.01	0.00	18.34	2.00	0.00	0.00	0.01	0.00
18.35	2.00	0.00	0.00	0.01	0.00	18.36	2.00	0.00	0.00	0.01	0.00
18.37	2.00	0.00	0.00	0.01	0.00	18.38	2.00	0.00	0.00	0.01	0.00
18.39	2.00	0.00	0.00	0.01	0.00	18.40	2.00	0.00	0.00	0.01	0.00
18.41	2.00	0.00	0.00	0.01	0.00	18.42	2.00	0.00	0.00	0.01	0.00
18.43	2.00	0.00	0.00	0.01	0.00	18.44	2.00	0.00	0.00	0.01	0.00
18.45	2.00	0.00	0.00	0.01	0.00	18.46	2.00	0.00	0.00	0.01	0.00
18.47	2.00	0.00	0.00	0.01	0.00	18.48	2.00	0.00	0.00	0.01	0.00
18.49	2.00	0.00	0.00	0.01	0.00	18.50	2.00	0.00	0.00	0.01	0.00
18.51	2.00	0.00	0.00	0.01	0.00	18.52	2.00	0.00	0.00	0.01	0.00
18.53	2.00	0.00	0.00	0.01	0.00	18.54	2.00	0.00	0.00	0.01	0.00
18.55	2.00	0.00	0.00	0.01	0.00	18.56	2.00	0.00	0.00	0.01	0.00
18.57	2.00	0.00	0.00	0.01	0.00	18.58	2.00	0.00	0.00	0.01	0.00
18.59	2.00	0.00	0.00	0.01	0.00	18.60	2.00	0.00	0.00	0.01	0.00
18.61	2.00	0.00	0.00	0.01	0.00	18.62	2.00	0.00	0.00	0.01	0.00
18.63	2.00	0.00	0.00	0.01	0.00	18.64	2.00	0.00	0.00	0.01	0.00
18.65	2.00	0.00	0.00	0.01	0.00	18.66	2.00	0.00	0.00	0.01	0.00
18.67	2.00	0.00	0.00	0.01	0.00	18.68	2.00	0.00	0.00	0.01	0.00
18.69	2.00	0.00	0.00	0.01	0.00	18.70	2.00	0.00	0.00	0.01	0.00
18.71	2.00	0.00	0.00	0.01	0.00	18.72	2.00	0.00	0.00	0.01	0.00
18.73	2.00	0.00	0.00	0.01	0.00	18.74	2.00	0.00	0.00	0.01	0.00
18.75	2.00	0.00	0.00	0.01	0.00	18.76	2.00	0.00	0.00	0.01	0.00
18.77	2.00	0.00	0.00	0.01	0.00	18.78	2.00	0.00	0.00	0.01	0.00
18.79	2.00	0.00	0.00	0.01	0.00	18.80	2.00	0.00	0.00	0.01	0.00
18.81	2.00	0.00	0.00	0.01	0.00	18.82	2.00	0.00	0.00	0.01	0.00
18.83	2.00	0.00	0.00	0.01	0.00	18.84	2.00	0.00	0.00	0.01	0.00
18.85	2.00	0.00	0.00	0.01	0.00	18.86	2.00	0.00	0.00	0.01	0.00
18.87	2.00	0.00	0.00	0.01	0.00	18.88	2.00	0.00	0.00	0.01	0.00
18.89	2.00	0.00	0.00	0.01	0.00	18.90	2.00	0.00	0.00	0.01	0.00
18.91	2.00	0.00	0.00	0.01	0.00	18.92	2.00	0.00	0.00	0.01	0.00
18.93	2.00	0.00	0.00	0.01	0.00	18.94	2.00	0.00	0.00	0.01	0.00
18.95	2.00	0.00	0.00	0.01	0.00	18.96	2.00	0.00	0.00	0.01	0.00
18.97	2.00	0.00	0.00	0.01	0.00	18.98	2.00	0.00	0.00	0.01	0.00
18.99	2.00	0.00	0.00	0.01	0.00	19.00	2.00	0.00	0.00	0.01	0.00
19.01	2.00	0.00	0.00	0.01	0.00	19.02	2.00	0.00	0.00	0.01	0.00
19.03	2.00	0.00	0.00	0.01	0.00	19.04	2.00	0.00	0.00	0.01	0.00
19.05	2.00	0.00	0.00	0.01	0.00	19.06	2.00	0.00	0.00	0.01	0.00
19.07	2.00	0.00	0.00	0.01	0.00	19.08	2.00	0.00	0.00	0.01	0.00
19.09	2.00	0.00	0.00	0.01	0.00	19.10	2.00	0.00	0.00	0.01	0.00
19.11	2.00	0.00	0.00	0.01	0.00	19.12	2.00	0.00	0.00	0.01	0.00
19.13	2.00	0.00	0.00	0.01	0.00	19.14	2.00	0.00	0.00	0.01	0.00
19.15	2.00	0.00	0.00	0.01	0.00	19.16	2.00	0.00	0.00	0.01	0.00
19.17	2.00	0.00	0.00	0.01	0.00	19.18	2.00	0.00	0.00	0.01	0.00
19.19	2.00	0.00	0.00	0.01	0.00	19.20	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
19.21	2.00	0.00	0.00	0.01	0.00	19.22	2.00	0.00	0.00	0.01	0.00
19.23	2.00	0.00	0.00	0.01	0.00	19.24	2.00	0.00	0.00	0.01	0.00
19.25	2.00	0.00	0.00	0.01	0.00	19.26	2.00	0.00	0.00	0.01	0.00
19.27	2.00	0.00	0.00	0.01	0.00	19.28	2.00	0.00	0.00	0.01	0.00
19.29	2.00	0.00	0.00	0.01	0.00	19.30	2.00	0.00	0.00	0.01	0.00
19.31	2.00	0.00	0.00	0.01	0.00	19.32	2.00	0.00	0.00	0.01	0.00
19.33	2.00	0.00	0.00	0.01	0.00	19.34	2.00	0.00	0.00	0.01	0.00
19.35	2.00	0.00	0.00	0.01	0.00	19.36	2.00	0.00	0.00	0.01	0.00
19.37	2.00	0.00	0.00	0.01	0.00	19.38	2.00	0.00	0.00	0.01	0.00
19.39	2.00	0.00	0.00	0.01	0.00	19.40	2.00	0.00	0.00	0.01	0.00
19.41	2.00	0.00	0.00	0.01	0.00	19.42	2.00	0.00	0.00	0.01	0.00
19.43	2.00	0.00	0.00	0.01	0.00	19.44	2.00	0.00	0.00	0.01	0.00
19.45	2.00	0.00	0.00	0.01	0.00	19.46	2.00	0.00	0.00	0.01	0.00
19.47	2.00	0.00	0.00	0.01	0.00	19.48	2.00	0.00	0.00	0.01	0.00
19.49	2.00	0.00	0.00	0.01	0.00	19.50	2.00	0.00	0.00	0.01	0.00
19.51	2.00	0.00	0.00	0.01	0.00	19.52	2.00	0.00	0.00	0.01	0.00
19.53	2.00	0.00	0.00	0.01	0.00	19.54	2.00	0.00	0.00	0.01	0.00
19.55	2.00	0.00	0.00	0.01	0.00	19.56	2.00	0.00	0.00	0.01	0.00
19.57	2.00	0.00	0.00	0.01	0.00	19.58	2.00	0.00	0.00	0.01	0.00
19.59	2.00	0.00	0.00	0.01	0.00	19.60	2.00	0.00	0.00	0.01	0.00
19.61	2.00	0.00	0.00	0.01	0.00	19.62	2.00	0.00	0.00	0.01	0.00
19.63	2.00	0.00	0.00	0.01	0.00	19.64	2.00	0.00	0.00	0.01	0.00
19.65	2.00	0.00	0.00	0.01	0.00	19.66	2.00	0.00	0.00	0.01	0.00
19.67	2.00	0.00	0.00	0.01	0.00	19.68	2.00	0.00	0.00	0.01	0.00
19.69	2.00	0.00	0.00	0.01	0.00	19.70	2.00	0.00	0.00	0.01	0.00
19.71	2.00	0.00	0.00	0.01	0.00	19.72	2.00	0.00	0.00	0.01	0.00
19.73	2.00	0.00	0.00	0.01	0.00	19.74	2.00	0.00	0.00	0.01	0.00
19.75	2.00	0.00	0.00	0.01	0.00	19.76	2.00	0.00	0.00	0.01	0.00
19.77	2.00	0.00	0.00	0.01	0.00	19.78	2.00	0.00	0.00	0.01	0.00
19.79	2.00	0.00	0.00	0.01	0.00	19.80	2.00	0.00	0.00	0.01	0.00
19.81	2.00	0.00	0.00	0.01	0.00	19.82	2.00	0.00	0.00	0.01	0.00
19.83	2.00	0.00	0.00	0.01	0.00	19.84	2.00	0.00	0.00	0.01	0.00
19.85	2.00	0.00	0.00	0.01	0.00	19.86	2.00	0.00	0.00	0.01	0.00
19.87	2.00	0.00	0.00	0.01	0.00	19.88	2.00	0.00	0.00	0.01	0.00
19.89	2.00	0.00	0.00	0.01	0.00	19.90	2.00	0.00	0.00	0.01	0.00
19.91	2.00	0.00	0.00	0.01	0.00	19.92	2.00	0.00	0.00	0.01	0.00
19.93	2.00	0.00	0.00	0.01	0.00	19.94	2.00	0.00	0.00	0.01	0.00
19.95	2.00	0.00	0.00	0.01	0.00	19.96	2.00	0.00	0.00	0.01	0.00
19.97	2.00	0.00	0.00	0.01	0.00	19.98	2.00	0.00	0.00	0.01	0.00
19.99	2.00	0.00	0.00	0.01	0.00	20.00	2.00	0.00	0.00	0.01	0.00
20.01	2.00	0.00	0.00	0.01	0.00	20.02	2.00	0.00	0.00	0.01	0.00
20.03	2.00	0.00	0.00	0.01	0.00	20.04	2.00	0.00	0.00	0.01	0.00
20.05	2.00	0.00	0.00	0.01	0.00	20.06	2.00	0.00	0.00	0.01	0.00
20.07	2.00	0.00	0.00	0.01	0.00	20.08	2.00	0.00	0.00	0.01	0.00
20.09	2.00	0.00	0.00	0.01	0.00	20.10	2.00	0.00	0.00	0.01	0.00
20.11	2.00	0.00	0.00	0.01	0.00	20.12	2.00	0.00	0.00	0.01	0.00
20.13	2.00	0.00	0.00	0.01	0.00	20.14	2.00	0.00	0.00	0.01	0.00
20.15	2.00	0.00	0.00	0.01	0.00	20.16	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
20.17	2.00	0.00	0.00	0.01	0.00	20.18	2.00	0.00	0.00	0.01	0.00
20.19	2.00	0.00	0.00	0.01	0.00	20.20	2.00	0.00	0.00	0.01	0.00
20.21	2.00	0.00	0.00	0.01	0.00	20.22	2.00	0.00	0.00	0.01	0.00
20.23	2.00	0.00	0.00	0.01	0.00	20.24	2.00	0.00	0.00	0.01	0.00
20.25	2.00	0.00	0.00	0.01	0.00	20.26	2.00	0.00	0.00	0.01	0.00
20.27	2.00	0.00	0.00	0.01	0.00	20.28	2.00	0.00	0.00	0.01	0.00
20.29	2.00	0.00	0.00	0.01	0.00	20.30	2.00	0.00	0.00	0.01	0.00
20.31	2.00	0.00	0.00	0.01	0.00	20.32	2.00	0.00	0.00	0.01	0.00
20.33	2.00	0.00	0.00	0.01	0.00	20.34	2.00	0.00	0.00	0.01	0.00
20.35	2.00	0.00	0.00	0.01	0.00	20.36	2.00	0.00	0.00	0.01	0.00
20.37	2.00	0.00	0.00	0.01	0.00	20.38	2.00	0.00	0.00	0.01	0.00
20.39	2.00	0.00	0.00	0.01	0.00	20.40	2.00	0.00	0.00	0.01	0.00
20.41	2.00	0.00	0.00	0.01	0.00	20.42	2.00	0.00	0.00	0.01	0.00
20.43	2.00	0.00	0.00	0.01	0.00	20.44	2.00	0.00	0.00	0.01	0.00
20.45	2.00	0.00	0.00	0.01	0.00	20.46	2.00	0.00	0.00	0.01	0.00
20.47	2.00	0.00	0.00	0.01	0.00	20.48	2.00	0.00	0.00	0.01	0.00
20.49	2.00	0.00	0.00	0.01	0.00	20.50	2.00	0.00	0.00	0.01	0.00
20.51	2.00	0.00	0.00	0.01	0.00	20.52	2.00	0.00	0.00	0.01	0.00
20.53	2.00	0.00	0.00	0.01	0.00	20.54	2.00	0.00	0.00	0.01	0.00
20.55	2.00	0.00	0.00	0.01	0.00	20.56	2.00	0.00	0.00	0.01	0.00
20.57	2.00	0.00	0.00	0.01	0.00	20.58	2.00	0.00	0.00	0.01	0.00
20.59	2.00	0.00	0.00	0.01	0.00	20.60	2.00	0.00	0.00	0.01	0.00
20.61	2.00	0.00	0.00	0.01	0.00	20.62	2.00	0.00	0.00	0.01	0.00
20.63	2.00	0.00	0.00	0.01	0.00	20.64	2.00	0.00	0.00	0.01	0.00
20.65	2.00	0.00	0.00	0.01	0.00	20.66	2.00	0.00	0.00	0.01	0.00
20.67	2.00	0.00	0.00	0.01	0.00	20.68	2.00	0.00	0.00	0.01	0.00
20.69	2.00	0.00	0.00	0.01	0.00	20.70	2.00	0.00	0.00	0.01	0.00
20.71	2.00	0.00	0.00	0.01	0.00	20.72	2.00	0.00	0.00	0.01	0.00
20.73	2.00	0.00	0.00	0.01	0.00	20.74	2.00	0.00	0.00	0.01	0.00
20.75	2.00	0.00	0.00	0.01	0.00	20.76	2.00	0.00	0.00	0.01	0.00
20.77	2.00	0.00	0.00	0.01	0.00	20.78	2.00	0.00	0.00	0.01	0.00
20.79	2.00	0.00	0.00	0.01	0.00	20.80	2.00	0.00	0.00	0.01	0.00
20.81	2.00	0.00	0.00	0.01	0.00	20.82	2.00	0.00	0.00	0.01	0.00
20.83	2.00	0.00	0.00	0.01	0.00	20.84	2.00	0.00	0.00	0.01	0.00
20.85	2.00	0.00	0.00	0.01	0.00	20.86	2.00	0.00	0.00	0.01	0.00
20.87	2.00	0.00	0.00	0.01	0.00	20.88	2.00	0.00	0.00	0.01	0.00
20.89	2.00	0.00	0.00	0.01	0.00	20.90	2.00	0.00	0.00	0.01	0.00
20.91	2.00	0.00	0.00	0.01	0.00	20.92	2.00	0.00	0.00	0.01	0.00
20.93	2.00	0.00	0.00	0.01	0.00	20.94	2.00	0.00	0.00	0.01	0.00
20.95	2.00	0.00	0.00	0.01	0.00	20.96	2.00	0.00	0.00	0.01	0.00
20.97	2.00	0.00	0.00	0.01	0.00	20.98	2.00	0.00	0.00	0.01	0.00
20.99	2.00	0.00	0.00	0.01	0.00	21.00	2.00	0.00	0.00	0.01	0.00
21.01	2.00	0.00	0.00	0.01	0.00	21.02	2.00	0.00	0.00	0.01	0.00
21.03	2.00	0.00	0.00	0.01	0.00	21.04	2.00	0.00	0.00	0.01	0.00
21.05	2.00	0.00	0.00	0.01	0.00	21.06	2.00	0.00	0.00	0.01	0.00
21.07	2.00	0.00	0.00	0.01	0.00	21.08	2.00	0.00	0.00	0.01	0.00
21.09	2.00	0.00	0.00	0.01	0.00	21.10	2.00	0.00	0.00	0.01	0.00
21.11	2.00	0.00	0.00	0.01	0.00	21.12	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
21.13	2.00	0.00	0.00	0.01	0.00	21.14	2.00	0.00	0.00	0.01	0.00
21.15	2.00	0.00	0.00	0.01	0.00	21.16	2.00	0.00	0.00	0.01	0.00
21.17	2.00	0.00	0.00	0.01	0.00	21.18	2.00	0.00	0.00	0.01	0.00
21.19	2.00	0.00	0.00	0.01	0.00	21.20	2.00	0.00	0.00	0.01	0.00
21.21	2.00	0.00	0.00	0.01	0.00	21.22	2.00	0.00	0.00	0.01	0.00
21.23	2.00	0.00	0.00	0.01	0.00	21.24	2.00	0.00	0.00	0.01	0.00
21.25	2.00	0.00	0.00	0.01	0.00	21.26	2.00	0.00	0.00	0.01	0.00
21.27	2.00	0.00	0.00	0.01	0.00	21.28	2.00	0.00	0.00	0.01	0.00
21.29	2.00	0.00	0.00	0.01	0.00	21.30	2.00	0.00	0.00	0.01	0.00
21.31	2.00	0.00	0.00	0.01	0.00	21.32	2.00	0.00	0.00	0.01	0.00
21.33	2.00	0.00	0.00	0.01	0.00	21.34	2.00	0.00	0.00	0.01	0.00
21.35	2.00	0.00	0.00	0.01	0.00	21.36	2.00	0.00	0.00	0.01	0.00
21.37	2.00	0.00	0.00	0.01	0.00	21.38	2.00	0.00	0.00	0.01	0.00
21.39	2.00	0.00	0.00	0.01	0.00	21.40	2.00	0.00	0.00	0.01	0.00
21.41	2.00	0.00	0.00	0.01	0.00	21.42	2.00	0.00	0.00	0.01	0.00
21.43	2.00	0.00	0.00	0.01	0.00	21.44	2.00	0.00	0.00	0.01	0.00
21.45	2.00	0.00	0.00	0.01	0.00	21.46	2.00	0.00	0.00	0.01	0.00
21.47	2.00	0.00	0.00	0.01	0.00	21.48	2.00	0.00	0.00	0.01	0.00
21.49	2.00	0.00	0.00	0.01	0.00	21.50	2.00	0.00	0.00	0.01	0.00
21.51	2.00	0.00	0.00	0.01	0.00	21.52	2.00	0.00	0.00	0.01	0.00
21.53	2.00	0.00	0.00	0.01	0.00	21.54	2.00	0.00	0.00	0.01	0.00
21.55	2.00	0.00	0.00	0.01	0.00	21.56	2.00	0.00	0.00	0.01	0.00
21.57	2.00	0.00	0.00	0.01	0.00	21.58	2.00	0.00	0.00	0.01	0.00
21.59	2.00	0.00	0.00	0.01	0.00	21.60	2.00	0.00	0.00	0.01	0.00
21.61	2.00	0.00	0.00	0.01	0.00	21.62	2.00	0.00	0.00	0.01	0.00
21.63	2.00	0.00	0.00	0.01	0.00	21.64	2.00	0.00	0.00	0.01	0.00
21.65	2.00	0.00	0.00	0.01	0.00	21.66	2.00	0.00	0.00	0.01	0.00
21.67	2.00	0.00	0.00	0.01	0.00	21.68	2.00	0.00	0.00	0.01	0.00
21.69	2.00	0.00	0.00	0.01	0.00	21.70	2.00	0.00	0.00	0.01	0.00
21.71	2.00	0.00	0.00	0.01	0.00	21.72	2.00	0.00	0.00	0.01	0.00
21.73	2.00	0.00	0.00	0.01	0.00	21.74	2.00	0.00	0.00	0.01	0.00
21.75	2.00	0.00	0.00	0.01	0.00	21.76	2.00	0.00	0.00	0.01	0.00
21.77	2.00	0.00	0.00	0.01	0.00	21.78	2.00	0.00	0.00	0.01	0.00
21.79	2.00	0.00	0.00	0.01	0.00	21.80	2.00	0.00	0.00	0.01	0.00
21.81	2.00	0.00	0.00	0.01	0.00	21.82	2.00	0.00	0.00	0.01	0.00
21.83	2.00	0.00	0.00	0.01	0.00	21.84	2.00	0.00	0.00	0.01	0.00
21.85	2.00	0.00	0.00	0.01	0.00	21.86	2.00	0.00	0.00	0.01	0.00
21.87	2.00	0.00	0.00	0.01	0.00	21.88	2.00	0.00	0.00	0.01	0.00
21.89	2.00	0.00	0.00	0.01	0.00	21.90	2.00	0.00	0.00	0.01	0.00
21.91	2.00	0.00	0.00	0.01	0.00	21.92	2.00	0.00	0.00	0.01	0.00
21.93	2.00	0.00	0.00	0.01	0.00	21.94	2.00	0.00	0.00	0.01	0.00
21.95	2.00	0.00	0.00	0.01	0.00	21.96	2.00	0.00	0.00	0.01	0.00
21.97	2.00	0.00	0.00	0.01	0.00	21.98	2.00	0.00	0.00	0.01	0.00
21.99	2.00	0.00	0.00	0.01	0.00	22.00	2.00	0.00	0.00	0.01	0.00
22.01	2.00	0.00	0.00	0.01	0.00	22.02	2.00	0.00	0.00	0.01	0.00
22.03	2.00	0.00	0.00	0.01	0.00	22.04	2.00	0.00	0.00	0.01	0.00
22.05	2.00	0.00	0.00	0.01	0.00	22.06	2.00	0.00	0.00	0.01	0.00
22.07	2.00	0.00	0.00	0.01	0.00	22.08	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
22.09	2.00	0.00	0.00	0.01	0.00	22.10	2.00	0.00	0.00	0.01	0.00
22.11	2.00	0.00	0.00	0.01	0.00	22.12	2.00	0.00	0.00	0.01	0.00
22.13	2.00	0.00	0.00	0.01	0.00	22.14	2.00	0.00	0.00	0.01	0.00
22.15	2.00	0.00	0.00	0.01	0.00	22.16	2.00	0.00	0.00	0.01	0.00
22.17	2.00	0.00	0.00	0.01	0.00	22.18	2.00	0.00	0.00	0.01	0.00
22.19	2.00	0.00	0.00	0.01	0.00	22.20	2.00	0.00	0.00	0.01	0.00
22.21	2.00	0.00	0.00	0.01	0.00	22.22	2.00	0.00	0.00	0.01	0.00
22.23	2.00	0.00	0.00	0.01	0.00	22.24	2.00	0.00	0.00	0.01	0.00
22.25	2.00	0.00	0.00	0.01	0.00	22.26	2.00	0.00	0.00	0.01	0.00
22.27	2.00	0.00	0.00	0.01	0.00	22.28	2.00	0.00	0.00	0.01	0.00
22.29	2.00	0.00	0.00	0.01	0.00	22.30	2.00	0.00	0.00	0.01	0.00
22.31	2.00	0.00	0.00	0.01	0.00	22.32	2.00	0.00	0.00	0.01	0.00
22.33	2.00	0.00	0.00	0.01	0.00	22.34	2.00	0.00	0.00	0.01	0.00
22.35	2.00	0.00	0.00	0.01	0.00	22.36	2.00	0.00	0.00	0.01	0.00
22.37	2.00	0.00	0.00	0.01	0.00	22.38	2.00	0.00	0.00	0.01	0.00
22.39	2.00	0.00	0.00	0.01	0.00	22.40	2.00	0.00	0.00	0.01	0.00
22.41	2.00	0.00	0.00	0.01	0.00	22.42	2.00	0.00	0.00	0.01	0.00
22.43	2.00	0.00	0.00	0.01	0.00	22.44	2.00	0.00	0.00	0.01	0.00
22.45	2.00	0.00	0.00	0.01	0.00	22.46	2.00	0.00	0.00	0.01	0.00
22.47	2.00	0.00	0.00	0.01	0.00	22.48	2.00	0.00	0.00	0.01	0.00
22.49	2.00	0.00	0.00	0.01	0.00	22.50	2.00	0.00	0.00	0.01	0.00
22.51	2.00	0.00	0.00	0.01	0.00	22.52	2.00	0.00	0.00	0.01	0.00
22.53	2.00	0.00	0.00	0.01	0.00	22.54	2.00	0.00	0.00	0.01	0.00
22.55	2.00	0.00	0.00	0.01	0.00	22.56	2.00	0.00	0.00	0.01	0.00
22.57	2.00	0.00	0.00	0.01	0.00	22.58	2.00	0.00	0.00	0.01	0.00
22.59	2.00	0.00	0.00	0.01	0.00	22.60	2.00	0.00	0.00	0.01	0.00
22.61	2.00	0.00	0.00	0.01	0.00	22.62	2.00	0.00	0.00	0.01	0.00
22.63	2.00	0.00	0.00	0.01	0.00	22.64	2.00	0.00	0.00	0.01	0.00
22.65	2.00	0.00	0.00	0.01	0.00	22.66	2.00	0.00	0.00	0.01	0.00
22.67	2.00	0.00	0.00	0.01	0.00	22.68	2.00	0.00	0.00	0.01	0.00
22.69	2.00	0.00	0.00	0.01	0.00	22.70	2.00	0.00	0.00	0.01	0.00
22.71	2.00	0.00	0.00	0.01	0.00	22.72	2.00	0.00	0.00	0.01	0.00
22.73	2.00	0.00	0.00	0.01	0.00	22.74	2.00	0.00	0.00	0.01	0.00
22.75	2.00	0.00	0.00	0.01	0.00	22.76	2.00	0.00	0.00	0.01	0.00
22.77	2.00	0.00	0.00	0.01	0.00	22.78	2.00	0.00	0.00	0.01	0.00
22.79	2.00	0.00	0.00	0.01	0.00	22.80	2.00	0.00	0.00	0.01	0.00
22.81	2.00	0.00	0.00	0.01	0.00	22.82	2.00	0.00	0.00	0.01	0.00
22.83	2.00	0.00	0.00	0.01	0.00	22.84	2.00	0.00	0.00	0.01	0.00
22.85	2.00	0.00	0.00	0.01	0.00	22.86	2.00	0.00	0.00	0.01	0.00
22.87	2.00	0.00	0.00	0.01	0.00	22.88	2.00	0.00	0.00	0.01	0.00
22.89	2.00	0.00	0.00	0.01	0.00	22.90	2.00	0.00	0.00	0.01	0.00
22.91	2.00	0.00	0.00	0.01	0.00	22.92	2.00	0.00	0.00	0.01	0.00
22.93	2.00	0.00	0.00	0.01	0.00	22.94	2.00	0.00	0.00	0.01	0.00
22.95	2.00	0.00	0.00	0.01	0.00	22.96	2.00	0.00	0.00	0.01	0.00
22.97	2.00	0.00	0.00	0.01	0.00	22.98	2.00	0.00	0.00	0.01	0.00
22.99	2.00	0.00	0.00	0.01	0.00	23.00	2.00	0.00	0.00	0.01	0.00
23.01	2.00	0.00	0.00	0.01	0.00	23.02	2.00	0.00	0.00	0.01	0.00
23.03	2.00	0.00	0.00	0.01	0.00	23.04	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
23.05	2.00	0.00	0.00	0.01	0.00	23.06	2.00	0.00	0.00	0.01	0.00
23.07	2.00	0.00	0.00	0.01	0.00	23.08	2.00	0.00	0.00	0.01	0.00
23.09	2.00	0.00	0.00	0.01	0.00	23.10	2.00	0.00	0.00	0.01	0.00
23.11	2.00	0.00	0.00	0.01	0.00	23.12	2.00	0.00	0.00	0.01	0.00
23.13	2.00	0.00	0.00	0.01	0.00	23.14	2.00	0.00	0.00	0.01	0.00
23.15	2.00	0.00	0.00	0.01	0.00	23.16	2.00	0.00	0.00	0.01	0.00
23.17	2.00	0.00	0.00	0.01	0.00	23.18	2.00	0.00	0.00	0.01	0.00
23.19	2.00	0.00	0.00	0.01	0.00	23.20	2.00	0.00	0.00	0.01	0.00
23.21	2.00	0.00	0.00	0.01	0.00	23.22	2.00	0.00	0.00	0.01	0.00
23.23	2.00	0.00	0.00	0.01	0.00	23.24	2.00	0.00	0.00	0.01	0.00
23.25	2.00	0.00	0.00	0.01	0.00	23.26	2.00	0.00	0.00	0.01	0.00
23.27	2.00	0.00	0.00	0.01	0.00	23.28	2.00	0.00	0.00	0.01	0.00
23.29	2.00	0.00	0.00	0.01	0.00	23.30	2.00	0.00	0.00	0.01	0.00
23.31	2.00	0.00	0.00	0.01	0.00	23.32	2.00	0.00	0.00	0.01	0.00
23.33	2.00	0.00	0.00	0.01	0.00	23.34	2.00	0.00	0.00	0.01	0.00
23.35	2.00	0.00	0.00	0.01	0.00	23.36	2.00	0.00	0.00	0.01	0.00
23.37	2.00	0.00	0.00	0.01	0.00	23.38	2.00	0.00	0.00	0.01	0.00
23.39	2.00	0.00	0.00	0.01	0.00	23.40	2.00	0.00	0.00	0.01	0.00
23.41	2.00	0.00	0.00	0.01	0.00	23.42	2.00	0.00	0.00	0.01	0.00
23.43	2.00	0.00	0.00	0.01	0.00	23.44	2.00	0.00	0.00	0.01	0.00
23.45	2.00	0.00	0.00	0.01	0.00	23.46	2.00	0.00	0.00	0.01	0.00
23.47	2.00	0.00	0.00	0.01	0.00	23.48	2.00	0.00	0.00	0.01	0.00
23.49	2.00	0.00	0.00	0.01	0.00	23.50	2.00	0.00	0.00	0.01	0.00
23.51	2.00	0.00	0.00	0.01	0.00	23.52	2.00	0.00	0.00	0.01	0.00
23.53	2.00	0.00	0.00	0.01	0.00	23.54	2.00	0.00	0.00	0.01	0.00
23.55	2.00	0.00	0.00	0.01	0.00	23.56	2.00	0.00	0.00	0.01	0.00
23.57	2.00	0.00	0.00	0.01	0.00	23.58	2.00	0.00	0.00	0.01	0.00
23.59	2.00	0.00	0.00	0.01	0.00	23.60	2.00	0.00	0.00	0.01	0.00
23.61	2.00	0.00	0.00	0.01	0.00	23.62	2.00	0.00	0.00	0.01	0.00
23.63	2.00	0.00	0.00	0.01	0.00	23.64	2.00	0.00	0.00	0.01	0.00
23.65	2.00	0.00	0.00	0.01	0.00	23.66	2.00	0.00	0.00	0.01	0.00
23.67	2.00	0.00	0.00	0.01	0.00	23.68	2.00	0.00	0.00	0.01	0.00
23.69	2.00	0.00	0.00	0.01	0.00	23.70	2.00	0.00	0.00	0.01	0.00
23.71	2.00	0.00	0.00	0.01	0.00	23.72	2.00	0.00	0.00	0.01	0.00
23.73	2.00	0.00	0.00	0.01	0.00	23.74	2.00	0.00	0.00	0.01	0.00
23.75	2.00	0.00	0.00	0.01	0.00	23.76	2.00	0.00	0.00	0.01	0.00
23.77	2.00	0.00	0.00	0.01	0.00	23.78	2.00	0.00	0.00	0.01	0.00
23.79	2.00	0.00	0.00	0.01	0.00	23.80	2.00	0.00	0.00	0.01	0.00
23.81	2.00	0.00	0.00	0.01	0.00	23.82	2.00	0.00	0.00	0.01	0.00
23.83	2.00	0.00	0.00	0.01	0.00	23.84	2.00	0.00	0.00	0.01	0.00
23.85	2.00	0.00	0.00	0.01	0.00	23.86	2.00	0.00	0.00	0.01	0.00
23.87	2.00	0.00	0.00	0.01	0.00	23.88	2.00	0.00	0.00	0.01	0.00
23.89	2.00	0.00	0.00	0.01	0.00	23.90	2.00	0.00	0.00	0.01	0.00
23.91	2.00	0.00	0.00	0.01	0.00	23.92	2.00	0.00	0.00	0.01	0.00
23.93	2.00	0.00	0.00	0.01	0.00	23.94	2.00	0.00	0.00	0.01	0.00
23.95	2.00	0.00	0.00	0.01	0.00	23.96	2.00	0.00	0.00	0.01	0.00
23.97	2.00	0.00	0.00	0.01	0.00	23.98	2.00	0.00	0.00	0.01	0.00
23.99	2.00	0.00	0.00	0.01	0.00	24.00	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
24.01	2.00	0.00	0.00	0.01	0.00	24.02	2.00	0.00	0.00	0.01	0.00
24.03	2.00	0.00	0.00	0.01	0.00	24.04	2.00	0.00	0.00	0.01	0.00
24.05	2.00	0.00	0.00	0.01	0.00	24.06	2.00	0.00	0.00	0.01	0.00
24.07	2.00	0.00	0.00	0.01	0.00	24.08	2.00	0.00	0.00	0.01	0.00
24.09	2.00	0.00	0.00	0.01	0.00	24.10	2.00	0.00	0.00	0.01	0.00
24.11	2.00	0.00	0.00	0.01	0.00	24.12	2.00	0.00	0.00	0.01	0.00
24.13	2.00	0.00	0.00	0.01	0.00	24.14	2.00	0.00	0.00	0.01	0.00
24.15	2.00	0.00	0.00	0.01	0.00	24.16	2.00	0.00	0.00	0.01	0.00
24.17	2.00	0.00	0.00	0.01	0.00	24.18	2.00	0.00	0.00	0.01	0.00
24.19	2.00	0.00	0.00	0.01	0.00	24.20	2.00	0.00	0.00	0.01	0.00
24.21	2.00	0.00	0.00	0.01	0.00	24.22	2.00	0.00	0.00	0.01	0.00
24.23	2.00	0.00	0.00	0.01	0.00	24.24	2.00	0.00	0.00	0.01	0.00
24.25	2.00	0.00	0.00	0.01	0.00	24.26	2.00	0.00	0.00	0.01	0.00
24.27	2.00	0.00	0.00	0.01	0.00	24.28	2.00	0.00	0.00	0.01	0.00
24.29	2.00	0.00	0.00	0.01	0.00	24.30	2.00	0.00	0.00	0.01	0.00
24.31	2.00	0.00	0.00	0.01	0.00	24.32	2.00	0.00	0.00	0.01	0.00
24.33	2.00	0.00	0.00	0.01	0.00	24.34	2.00	0.00	0.00	0.01	0.00
24.35	2.00	0.00	0.00	0.01	0.00	24.36	2.00	0.00	0.00	0.01	0.00
24.37	2.00	0.00	0.00	0.01	0.00	24.38	2.00	0.00	0.00	0.01	0.00
24.39	2.00	0.00	0.00	0.01	0.00	24.40	2.00	0.00	0.00	0.01	0.00
24.41	2.00	0.00	0.00	0.01	0.00	24.42	2.00	0.00	0.00	0.01	0.00
24.43	2.00	0.00	0.00	0.01	0.00	24.44	2.00	0.00	0.00	0.01	0.00
24.45	2.00	0.00	0.00	0.01	0.00	24.46	2.00	0.00	0.00	0.01	0.00
24.47	2.00	0.00	0.00	0.01	0.00	24.48	2.00	0.00	0.00	0.01	0.00
24.49	2.00	0.00	0.00	0.01	0.00	24.50	2.00	0.00	0.00	0.01	0.00
24.51	2.00	0.00	0.00	0.01	0.00	24.52	2.00	0.00	0.00	0.01	0.00
24.53	2.00	0.00	0.00	0.01	0.00	24.54	2.00	0.00	0.00	0.01	0.00
24.55	2.00	0.00	0.00	0.01	0.00	24.56	2.00	0.00	0.00	0.01	0.00
24.57	2.00	0.00	0.00	0.01	0.00	24.58	2.00	0.00	0.00	0.01	0.00
24.59	2.00	0.00	0.00	0.01	0.00	24.60	2.00	0.00	0.00	0.01	0.00
24.61	2.00	0.00	0.00	0.01	0.00	24.62	2.00	0.00	0.00	0.01	0.00
24.63	2.00	0.00	0.00	0.01	0.00	24.64	2.00	0.00	0.00	0.01	0.00
24.65	2.00	0.00	0.00	0.01	0.00	24.66	2.00	0.00	0.00	0.01	0.00
24.67	2.00	0.00	0.00	0.01	0.00	24.68	2.00	0.00	0.00	0.01	0.00
24.69	2.00	0.00	0.00	0.01	0.00	24.70	2.00	0.00	0.00	0.01	0.00
24.71	2.00	0.00	0.00	0.01	0.00	24.72	2.00	0.00	0.00	0.01	0.00
24.73	2.00	0.00	0.00	0.01	0.00	24.74	2.00	0.00	0.00	0.01	0.00
24.75	2.00	0.00	0.00	0.01	0.00	24.76	2.00	0.00	0.00	0.01	0.00
24.77	2.00	0.00	0.00	0.01	0.00	24.78	2.00	0.00	0.00	0.01	0.00
24.79	2.00	0.00	0.00	0.01	0.00	24.80	2.00	0.00	0.00	0.01	0.00
24.81	2.00	0.00	0.00	0.01	0.00	24.82	2.00	0.00	0.00	0.01	0.00
24.83	2.00	0.00	0.00	0.01	0.00	24.84	2.00	0.00	0.00	0.01	0.00
24.85	2.00	0.00	0.00	0.01	0.00	24.86	2.00	0.00	0.00	0.01	0.00
24.87	2.00	0.00	0.00	0.01	0.00	24.88	2.00	0.00	0.00	0.01	0.00
24.89	2.00	0.00	0.00	0.01	0.00	24.90	2.00	0.00	0.00	0.01	0.00
24.91	2.00	0.00	0.00	0.01	0.00	24.92	2.00	0.00	0.00	0.01	0.00
24.93	2.00	0.00	0.00	0.01	0.00	24.94	2.00	0.00	0.00	0.01	0.00
24.95	2.00	0.00	0.00	0.01	0.00	24.96	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
24.97	2.00	0.00	0.00	0.01	0.00	24.98	2.00	0.00	0.00	0.01	0.00
24.99	2.00	0.00	0.00	0.01	0.00	25.00	2.00	0.00	0.00	0.01	0.00
25.01	2.00	0.00	0.00	0.01	0.00	25.02	2.00	0.00	0.00	0.01	0.00
25.03	2.00	0.00	0.00	0.01	0.00	25.04	2.00	0.00	0.00	0.01	0.00
25.05	2.00	0.00	0.00	0.01	0.00	25.06	2.00	0.00	0.00	0.01	0.00
25.07	2.00	0.00	0.00	0.01	0.00	25.08	2.00	0.00	0.00	0.01	0.00
25.09	2.00	0.00	0.00	0.01	0.00	25.10	2.00	0.00	0.00	0.01	0.00
25.11	2.00	0.00	0.00	0.01	0.00	25.12	2.00	0.00	0.00	0.01	0.00
25.13	2.00	0.00	0.00	0.01	0.00	25.14	2.00	0.00	0.00	0.01	0.00
25.15	2.00	0.00	0.00	0.01	0.00	25.16	2.00	0.00	0.00	0.01	0.00
25.17	2.00	0.00	0.00	0.01	0.00	25.18	2.00	0.00	0.00	0.01	0.00
25.19	2.00	0.00	0.00	0.01	0.00	25.20	2.00	0.00	0.00	0.01	0.00
25.21	2.00	0.00	0.00	0.01	0.00	25.22	2.00	0.00	0.00	0.01	0.00
25.23	2.00	0.00	0.00	0.01	0.00	25.24	2.00	0.00	0.00	0.01	0.00
25.25	2.00	0.00	0.00	0.01	0.00	25.26	2.00	0.00	0.00	0.01	0.00
25.27	2.00	0.00	0.00	0.01	0.00	25.28	2.00	0.00	0.00	0.01	0.00
25.29	2.00	0.00	0.00	0.01	0.00	25.30	2.00	0.00	0.00	0.01	0.00
25.31	2.00	0.00	0.00	0.01	0.00	25.32	2.00	0.00	0.00	0.01	0.00
25.33	2.00	0.00	0.00	0.01	0.00	25.34	2.00	0.00	0.00	0.01	0.00
25.35	2.00	0.00	0.00	0.01	0.00	25.36	2.00	0.00	0.00	0.01	0.00
25.37	2.00	0.00	0.00	0.01	0.00	25.38	2.00	0.00	0.00	0.01	0.00
25.39	2.00	0.00	0.00	0.01	0.00	25.40	2.00	0.00	0.00	0.01	0.00
25.41	2.00	0.00	0.00	0.01	0.00	25.42	2.00	0.00	0.00	0.01	0.00
25.43	2.00	0.00	0.00	0.01	0.00	25.44	2.00	0.00	0.00	0.01	0.00
25.45	2.00	0.00	0.00	0.01	0.00	25.46	2.00	0.00	0.00	0.01	0.00
25.47	2.00	0.00	0.00	0.01	0.00	25.48	2.00	0.00	0.00	0.01	0.00
25.49	2.00	0.00	0.00	0.01	0.00	25.50	2.00	0.00	0.00	0.01	0.00
25.51	2.00	0.00	0.00	0.01	0.00	25.52	2.00	0.00	0.00	0.01	0.00
25.53	2.00	0.00	0.00	0.01	0.00	25.54	2.00	0.00	0.00	0.01	0.00
25.55	2.00	0.00	0.00	0.01	0.00	25.56	2.00	0.00	0.00	0.01	0.00
25.57	2.00	0.00	0.00	0.01	0.00	25.58	2.00	0.00	0.00	0.01	0.00
25.59	2.00	0.00	0.00	0.01	0.00	25.60	2.00	0.00	0.00	0.01	0.00
25.61	2.00	0.00	0.00	0.01	0.00	25.62	2.00	0.00	0.00	0.01	0.00
25.63	2.00	0.00	0.00	0.01	0.00	25.64	2.00	0.00	0.00	0.01	0.00
25.65	2.00	0.00	0.00	0.01	0.00	25.66	2.00	0.00	0.00	0.01	0.00
25.67	2.00	0.00	0.00	0.01	0.00	25.68	2.00	0.00	0.00	0.01	0.00
25.69	2.00	0.00	0.00	0.01	0.00	25.70	2.00	0.00	0.00	0.01	0.00
25.71	2.00	0.00	0.00	0.01	0.00	25.72	2.00	0.00	0.00	0.01	0.00
25.73	2.00	0.00	0.00	0.01	0.00	25.74	2.00	0.00	0.00	0.01	0.00
25.75	2.00	0.00	0.00	0.01	0.00	25.76	2.00	0.00	0.00	0.01	0.00
25.77	2.00	0.00	0.00	0.01	0.00	25.78	2.00	0.00	0.00	0.01	0.00
25.79	2.00	0.00	0.00	0.01	0.00	25.80	2.00	0.00	0.00	0.01	0.00
25.81	2.00	0.00	0.00	0.01	0.00	25.82	2.00	0.00	0.00	0.01	0.00
25.83	2.00	0.00	0.00	0.01	0.00	25.84	2.00	0.00	0.00	0.01	0.00
25.85	2.00	0.00	0.00	0.01	0.00	25.86	2.00	0.00	0.00	0.01	0.00
25.87	2.00	0.00	0.00	0.01	0.00	25.88	2.00	0.00	0.00	0.01	0.00
25.89	2.00	0.00	0.00	0.01	0.00	25.90	2.00	0.00	0.00	0.01	0.00
25.91	2.00	0.00	0.00	0.01	0.00	25.92	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
25.93	2.00	0.00	0.00	0.01	0.00	25.94	2.00	0.00	0.00	0.01	0.00
25.95	2.00	0.00	0.00	0.01	0.00	25.96	2.00	0.00	0.00	0.01	0.00
25.97	2.00	0.00	0.00	0.01	0.00	25.98	2.00	0.00	0.00	0.01	0.00
25.99	2.00	0.00	0.00	0.01	0.00	26.00	2.00	0.00	0.00	0.01	0.00
26.01	2.00	0.00	0.00	0.01	0.00	26.02	2.00	0.00	0.00	0.01	0.00
26.03	2.00	0.00	0.00	0.01	0.00	26.04	2.00	0.00	0.00	0.01	0.00
26.05	2.00	0.00	0.00	0.01	0.00	26.06	2.00	0.00	0.00	0.01	0.00
26.07	2.00	0.00	0.00	0.01	0.00	26.08	2.00	0.00	0.00	0.01	0.00
26.09	2.00	0.00	0.00	0.01	0.00	26.10	2.00	0.00	0.00	0.01	0.00
26.11	2.00	0.00	0.00	0.01	0.00	26.12	2.00	0.00	0.00	0.01	0.00
26.13	2.00	0.00	0.00	0.01	0.00	26.14	2.00	0.00	0.00	0.01	0.00
26.15	2.00	0.00	0.00	0.01	0.00	26.16	2.00	0.00	0.00	0.01	0.00
26.17	2.00	0.00	0.00	0.01	0.00	26.18	2.00	0.00	0.00	0.01	0.00
26.19	2.00	0.00	0.00	0.01	0.00	26.20	2.00	0.00	0.00	0.01	0.00
26.21	2.00	0.00	0.00	0.01	0.00	26.22	2.00	0.00	0.00	0.01	0.00
26.23	2.00	0.00	0.00	0.01	0.00	26.24	2.00	0.00	0.00	0.01	0.00
26.25	2.00	0.00	0.00	0.01	0.00	26.26	2.00	0.00	0.00	0.01	0.00
26.27	2.00	0.00	0.00	0.01	0.00	26.28	2.00	0.00	0.00	0.01	0.00
26.29	2.00	0.00	0.00	0.01	0.00	26.30	2.00	0.00	0.00	0.01	0.00
26.31	2.00	0.00	0.00	0.01	0.00	26.32	2.00	0.00	0.00	0.01	0.00
26.33	2.00	0.00	0.00	0.01	0.00	26.34	2.00	0.00	0.00	0.01	0.00
26.35	2.00	0.00	0.00	0.01	0.00	26.36	2.00	0.00	0.00	0.01	0.00
26.37	2.00	0.00	0.00	0.01	0.00	26.38	2.00	0.00	0.00	0.01	0.00
26.39	2.00	0.00	0.00	0.01	0.00	26.40	2.00	0.00	0.00	0.01	0.00
26.41	2.00	0.00	0.00	0.01	0.00	26.42	2.00	0.00	0.00	0.01	0.00
26.43	2.00	0.00	0.00	0.01	0.00	26.44	2.00	0.00	0.00	0.01	0.00
26.45	2.00	0.00	0.00	0.01	0.00	26.46	2.00	0.00	0.00	0.01	0.00
26.47	2.00	0.00	0.00	0.01	0.00	26.48	2.00	0.00	0.00	0.01	0.00
26.49	2.00	0.00	0.00	0.01	0.00	26.50	2.00	0.00	0.00	0.01	0.00
26.51	2.00	0.00	0.00	0.01	0.00	26.52	2.00	0.00	0.00	0.01	0.00
26.53	2.00	0.00	0.00	0.01	0.00	26.54	1.02	0.00	0.00	0.01	0.00
26.55	0.93	0.00	0.00	0.01	0.00	26.56	0.89	0.00	0.00	0.01	0.00
26.57	0.90	0.00	0.00	0.01	0.00	26.58	0.89	0.00	0.00	0.01	0.00
26.59	0.89	0.00	0.00	0.01	0.00	26.60	0.88	0.00	0.00	0.01	0.00
26.61	0.89	0.00	0.00	0.01	0.00	26.62	0.90	0.00	0.00	0.01	0.00
26.63	0.92	0.00	0.00	0.01	0.00	26.64	0.91	0.00	0.00	0.01	0.00
26.65	0.91	0.00	0.00	0.01	0.00	26.66	0.91	0.00	0.00	0.01	0.00
26.67	0.91	0.00	0.00	0.01	0.00	26.68	0.91	0.00	0.00	0.01	0.00
26.69	0.91	0.00	0.00	0.01	0.00	26.70	0.93	0.00	0.00	0.01	0.00
26.71	0.93	0.00	0.00	0.01	0.00	26.72	0.92	0.00	0.00	0.01	0.00
26.73	0.95	0.00	0.00	0.01	0.00	26.74	0.96	0.00	0.00	0.01	0.00
26.75	0.98	0.00	0.00	0.01	0.00	26.76	0.97	0.00	0.00	0.01	0.00
26.77	0.98	0.00	0.00	0.01	0.00	26.78	0.95	0.00	0.00	0.01	0.00
26.79	0.96	0.00	0.00	0.01	0.00	26.80	0.97	0.00	0.00	0.01	0.00
26.81	1.01	0.00	0.00	0.01	0.00	26.82	1.01	0.00	0.00	0.01	0.00
26.83	1.00	0.00	0.00	0.01	0.00	26.84	0.99	0.00	0.00	0.01	0.00
26.85	0.99	0.00	0.00	0.01	0.00	26.86	0.94	0.00	0.00	0.01	0.00
26.87	0.91	0.00	0.00	0.01	0.00	26.88	0.87	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
26.89	0.87	0.00	0.00	0.01	0.00	26.90	0.86	0.00	0.00	0.01	0.00
26.91	0.87	0.00	0.00	0.01	0.00	26.92	0.89	0.00	0.00	0.01	0.00
26.93	0.94	0.00	0.00	0.01	0.00	26.94	0.98	0.00	0.00	0.01	0.00
26.95	1.05	0.00	0.00	0.01	0.00	26.96	1.21	0.00	0.00	0.01	0.00
26.97	2.00	0.00	0.00	0.01	0.00	26.98	2.00	0.00	0.00	0.01	0.00
26.99	2.00	0.00	0.00	0.01	0.00	27.00	2.00	0.00	0.00	0.01	0.00
27.01	2.00	0.00	0.00	0.01	0.00	27.02	2.00	0.00	0.00	0.01	0.00
27.03	2.00	0.00	0.00	0.01	0.00	27.04	2.00	0.00	0.00	0.01	0.00
27.05	1.60	0.00	0.00	0.01	0.00	27.06	1.42	0.00	0.00	0.01	0.00
27.07	1.26	0.00	0.00	0.01	0.00	27.08	1.18	0.00	0.00	0.01	0.00
27.09	1.09	0.00	0.00	0.01	0.00	27.10	1.02	0.00	0.00	0.01	0.00
27.11	0.98	0.00	0.00	0.01	0.00	27.12	0.90	0.00	0.00	0.01	0.00
27.13	0.86	0.00	0.00	0.01	0.00	27.14	0.83	0.00	0.00	0.01	0.00
27.15	0.83	0.00	0.00	0.01	0.00	27.16	0.85	0.00	0.00	0.01	0.00
27.17	0.89	0.00	0.00	0.01	0.00	27.18	2.00	0.00	0.00	0.01	0.00
27.19	2.00	0.00	0.00	0.01	0.00	27.20	2.00	0.00	0.00	0.01	0.00
27.21	2.00	0.00	0.00	0.01	0.00	27.22	2.00	0.00	0.00	0.01	0.00
27.23	2.00	0.00	0.00	0.01	0.00	27.24	2.00	0.00	0.00	0.01	0.00
27.25	2.00	0.00	0.00	0.01	0.00	27.26	2.00	0.00	0.00	0.01	0.00
27.27	2.00	0.00	0.00	0.01	0.00	27.28	2.00	0.00	0.00	0.01	0.00
27.29	2.00	0.00	0.00	0.01	0.00	27.30	2.00	0.00	0.00	0.01	0.00
27.31	2.00	0.00	0.00	0.01	0.00	27.32	2.00	0.00	0.00	0.01	0.00
27.33	2.00	0.00	0.00	0.01	0.00	27.34	2.00	0.00	0.00	0.01	0.00
27.35	2.00	0.00	0.00	0.01	0.00	27.36	2.00	0.00	0.00	0.01	0.00
27.37	2.00	0.00	0.00	0.01	0.00	27.38	2.00	0.00	0.00	0.01	0.00
27.39	2.00	0.00	0.00	0.01	0.00	27.40	2.00	0.00	0.00	0.01	0.00
27.41	2.00	0.00	0.00	0.01	0.00	27.42	2.00	0.00	0.00	0.01	0.00
27.43	2.00	0.00	0.00	0.01	0.00	27.44	2.00	0.00	0.00	0.01	0.00
27.45	2.00	0.00	0.00	0.01	0.00	27.46	2.00	0.00	0.00	0.01	0.00
27.47	2.00	0.00	0.00	0.01	0.00	27.48	2.00	0.00	0.00	0.01	0.00
27.49	2.00	0.00	0.00	0.01	0.00	27.50	2.00	0.00	0.00	0.01	0.00
27.51	2.00	0.00	0.00	0.01	0.00	27.52	2.00	0.00	0.00	0.01	0.00
27.53	2.00	0.00	0.00	0.01	0.00	27.54	2.00	0.00	0.00	0.01	0.00
27.55	2.00	0.00	0.00	0.01	0.00	27.56	2.00	0.00	0.00	0.01	0.00
27.57	2.00	0.00	0.00	0.01	0.00	27.58	2.00	0.00	0.00	0.01	0.00
27.59	2.00	0.00	0.00	0.01	0.00	27.60	2.00	0.00	0.00	0.01	0.00
27.61	2.00	0.00	0.00	0.01	0.00	27.62	2.00	0.00	0.00	0.01	0.00
27.63	2.00	0.00	0.00	0.01	0.00	27.64	2.00	0.00	0.00	0.01	0.00
27.65	2.00	0.00	0.00	0.01	0.00	27.66	2.00	0.00	0.00	0.01	0.00
27.67	2.00	0.00	0.00	0.01	0.00	27.68	2.00	0.00	0.00	0.01	0.00
27.69	2.00	0.00	0.00	0.01	0.00	27.70	2.00	0.00	0.00	0.01	0.00
27.71	2.00	0.00	0.00	0.01	0.00	27.72	2.00	0.00	0.00	0.01	0.00
27.73	2.00	0.00	0.00	0.01	0.00	27.74	2.00	0.00	0.00	0.01	0.00
27.75	2.00	0.00	0.00	0.01	0.00	27.76	2.00	0.00	0.00	0.01	0.00
27.77	2.00	0.00	0.00	0.01	0.00	27.78	2.00	0.00	0.00	0.01	0.00
27.79	2.00	0.00	0.00	0.01	0.00	27.80	2.00	0.00	0.00	0.01	0.00
27.81	2.00	0.00	0.00	0.01	0.00	27.82	2.00	0.00	0.00	0.01	0.00
27.83	2.00	0.00	0.00	0.01	0.00	27.84	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
27.85	2.00	0.00	0.00	0.01	0.00	27.86	2.00	0.00	0.00	0.01	0.00
27.87	2.00	0.00	0.00	0.01	0.00	27.88	2.00	0.00	0.00	0.01	0.00
27.89	2.00	0.00	0.00	0.01	0.00	27.90	2.00	0.00	0.00	0.01	0.00
27.91	2.00	0.00	0.00	0.01	0.00	27.92	2.00	0.00	0.00	0.01	0.00
27.93	2.00	0.00	0.00	0.01	0.00	27.94	2.00	0.00	0.00	0.01	0.00
27.95	2.00	0.00	0.00	0.01	0.00	27.96	2.00	0.00	0.00	0.01	0.00
27.97	2.00	0.00	0.00	0.01	0.00	27.98	2.00	0.00	0.00	0.01	0.00
27.99	2.00	0.00	0.00	0.01	0.00	28.00	2.00	0.00	0.00	0.01	0.00
28.01	2.00	0.00	0.00	0.01	0.00	28.02	2.00	0.00	0.00	0.01	0.00
28.03	2.00	0.00	0.00	0.01	0.00	28.04	2.00	0.00	0.00	0.01	0.00
28.05	2.00	0.00	0.00	0.01	0.00	28.06	2.00	0.00	0.00	0.01	0.00
28.07	2.00	0.00	0.00	0.01	0.00	28.08	2.00	0.00	0.00	0.01	0.00
28.09	2.00	0.00	0.00	0.01	0.00	28.10	2.00	0.00	0.00	0.01	0.00
28.11	2.00	0.00	0.00	0.01	0.00	28.12	2.00	0.00	0.00	0.01	0.00
28.13	2.00	0.00	0.00	0.01	0.00	28.14	2.00	0.00	0.00	0.01	0.00
28.15	2.00	0.00	0.00	0.01	0.00	28.16	2.00	0.00	0.00	0.01	0.00
28.17	2.00	0.00	0.00	0.01	0.00	28.18	2.00	0.00	0.00	0.01	0.00
28.19	2.00	0.00	0.00	0.01	0.00	28.20	2.00	0.00	0.00	0.01	0.00
28.21	2.00	0.00	0.00	0.01	0.00	28.22	2.00	0.00	0.00	0.01	0.00
28.23	2.00	0.00	0.00	0.01	0.00	28.24	2.00	0.00	0.00	0.01	0.00
28.25	2.00	0.00	0.00	0.01	0.00	28.26	2.00	0.00	0.00	0.01	0.00
28.27	2.00	0.00	0.00	0.01	0.00	28.28	2.00	0.00	0.00	0.01	0.00
28.29	2.00	0.00	0.00	0.01	0.00	28.30	2.00	0.00	0.00	0.01	0.00
28.31	2.00	0.00	0.00	0.01	0.00	28.32	2.00	0.00	0.00	0.01	0.00
28.33	2.00	0.00	0.00	0.01	0.00	28.34	2.00	0.00	0.00	0.01	0.00
28.35	2.00	0.00	0.00	0.01	0.00	28.36	2.00	0.00	0.00	0.01	0.00
28.37	2.00	0.00	0.00	0.01	0.00	28.38	2.00	0.00	0.00	0.01	0.00
28.39	2.00	0.00	0.00	0.01	0.00	28.40	2.00	0.00	0.00	0.01	0.00
28.41	2.00	0.00	0.00	0.01	0.00	28.42	2.00	0.00	0.00	0.01	0.00
28.43	2.00	0.00	0.00	0.01	0.00	28.44	2.00	0.00	0.00	0.01	0.00
28.45	2.00	0.00	0.00	0.01	0.00	28.46	2.00	0.00	0.00	0.01	0.00
28.47	2.00	0.00	0.00	0.01	0.00	28.48	2.00	0.00	0.00	0.01	0.00
28.49	2.00	0.00	0.00	0.01	0.00	28.50	2.00	0.00	0.00	0.01	0.00
28.51	2.00	0.00	0.00	0.01	0.00	28.52	2.00	0.00	0.00	0.01	0.00
28.53	2.00	0.00	0.00	0.01	0.00	28.54	2.00	0.00	0.00	0.01	0.00
28.55	2.00	0.00	0.00	0.01	0.00	28.56	2.00	0.00	0.00	0.01	0.00
28.57	2.00	0.00	0.00	0.01	0.00	28.58	2.00	0.00	0.00	0.01	0.00
28.59	2.00	0.00	0.00	0.01	0.00	28.60	2.00	0.00	0.00	0.01	0.00
28.61	2.00	0.00	0.00	0.01	0.00	28.62	2.00	0.00	0.00	0.01	0.00
28.63	2.00	0.00	0.00	0.01	0.00	28.64	2.00	0.00	0.00	0.01	0.00
28.65	2.00	0.00	0.00	0.01	0.00	28.66	2.00	0.00	0.00	0.01	0.00
28.67	2.00	0.00	0.00	0.01	0.00	28.68	2.00	0.00	0.00	0.01	0.00
28.69	2.00	0.00	0.00	0.01	0.00	28.70	2.00	0.00	0.00	0.01	0.00
28.71	2.00	0.00	0.00	0.01	0.00	28.72	2.00	0.00	0.00	0.01	0.00
28.73	2.00	0.00	0.00	0.01	0.00	28.74	2.00	0.00	0.00	0.01	0.00
28.75	2.00	0.00	0.00	0.01	0.00	28.76	2.00	0.00	0.00	0.01	0.00
28.77	2.00	0.00	0.00	0.01	0.00	28.78	2.00	0.00	0.00	0.01	0.00
28.79	2.00	0.00	0.00	0.01	0.00	28.80	2.00	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
28.81	2.00	0.00	0.00	0.01	0.00	28.82	2.00	0.00	0.00	0.01	0.00
28.83	2.00	0.00	0.00	0.01	0.00	28.84	2.00	0.00	0.00	0.01	0.00
28.85	2.00	0.00	0.00	0.01	0.00	28.86	2.00	0.00	0.00	0.01	0.00
28.87	2.00	0.00	0.00	0.01	0.00	28.88	2.00	0.00	0.00	0.01	0.00
28.89	2.00	0.00	0.00	0.01	0.00	28.90	2.00	0.00	0.00	0.01	0.00
28.91	2.00	0.00	0.00	0.01	0.00	28.92	2.00	0.00	0.00	0.01	0.00
28.93	2.00	0.00	0.00	0.01	0.00	28.94	2.00	0.00	0.00	0.01	0.00
28.95	2.00	0.00	0.00	0.01	0.00	28.96	2.00	0.00	0.00	0.01	0.00
28.97	2.00	0.00	0.00	0.01	0.00	28.98	2.00	0.00	0.00	0.01	0.00
28.99	2.00	0.00	0.00	0.01	0.00	29.00	2.00	0.00	0.00	0.01	0.00
29.01	2.00	0.00	0.00	0.01	0.00	29.02	2.00	0.00	0.00	0.01	0.00
29.03	2.00	0.00	0.00	0.01	0.00	29.04	2.00	0.00	0.00	0.01	0.00
29.05	2.00	0.00	0.00	0.01	0.00	29.06	2.00	0.00	0.00	0.01	0.00
29.07	2.00	0.00	0.00	0.01	0.00	29.08	2.00	0.00	0.00	0.01	0.00
29.09	2.00	0.00	0.00	0.01	0.00	29.10	0.92	0.00	0.00	0.01	0.00
29.11	0.89	0.00	0.00	0.01	0.00	29.12	0.87	0.00	0.00	0.01	0.00
29.13	0.87	0.00	0.00	0.01	0.00	29.14	0.85	0.00	0.00	0.01	0.00
29.15	0.80	0.00	0.00	0.01	0.00	29.16	0.75	0.00	0.00	0.01	0.00
29.17	0.70	0.00	0.00	0.01	0.00	29.18	0.70	0.00	0.00	0.01	0.00
29.19	0.69	0.00	0.00	0.01	0.00	29.20	0.72	0.00	0.00	0.01	0.00
29.21	0.76	0.00	0.00	0.01	0.00	29.22	0.82	0.00	0.00	0.01	0.00
29.23	0.85	0.00	0.00	0.01	0.00	29.24	2.00	0.00	0.00	0.01	0.00
29.25	2.00	0.00	0.00	0.01	0.00	29.26	2.00	0.00	0.00	0.01	0.00
29.27	2.00	0.00	0.00	0.01	0.00	29.28	1.10	0.00	0.00	0.01	0.00
29.29	1.11	0.00	0.00	0.01	0.00	29.30	1.11	0.00	0.00	0.01	0.00
29.31	1.10	0.00	0.00	0.01	0.00	29.32	1.08	0.00	0.00	0.01	0.00
29.33	1.04	0.00	0.00	0.01	0.00	29.34	0.96	0.00	0.00	0.01	0.00
29.35	0.89	0.00	0.00	0.01	0.00	29.36	0.85	0.00	0.00	0.01	0.00
29.37	0.85	0.00	0.00	0.01	0.00	29.38	0.87	0.00	0.00	0.01	0.00
29.39	0.89	0.00	0.00	0.01	0.00	29.40	0.94	0.00	0.00	0.01	0.00
29.41	0.97	0.00	0.00	0.01	0.00	29.42	2.00	0.00	0.00	0.01	0.00
29.43	2.00	0.00	0.00	0.01	0.00	29.44	2.00	0.00	0.00	0.01	0.00
29.45	2.00	0.00	0.00	0.01	0.00	29.46	2.00	0.00	0.00	0.01	0.00
29.47	2.00	0.00	0.00	0.01	0.00	29.48	2.00	0.00	0.00	0.01	0.00
29.49	2.00	0.00	0.00	0.01	0.00	29.50	2.00	0.00	0.00	0.01	0.00
29.51	2.00	0.00	0.00	0.01	0.00	29.52	2.00	0.00	0.00	0.01	0.00
29.53	2.00	0.00	0.00	0.01	0.00	29.54	2.00	0.00	0.00	0.01	0.00
29.55	2.00	0.00	0.00	0.01	0.00	29.56	2.00	0.00	0.00	0.01	0.00
29.57	2.00	0.00	0.00	0.01	0.00	29.58	1.16	0.00	0.00	0.01	0.00
29.59	1.09	0.00	0.00	0.01	0.00	29.60	1.03	0.00	0.00	0.01	0.00
29.61	1.01	0.00	0.00	0.01	0.00	29.62	0.96	0.00	0.00	0.01	0.00
29.63	0.93	0.00	0.00	0.01	0.00	29.64	0.90	0.00	0.00	0.01	0.00
29.65	0.88	0.00	0.00	0.01	0.00	29.66	0.86	0.00	0.00	0.01	0.00
29.67	0.86	0.00	0.00	0.01	0.00	29.68	0.85	0.00	0.00	0.01	0.00
29.69	0.84	0.00	0.00	0.01	0.00	29.70	0.84	0.00	0.00	0.01	0.00
29.71	0.82	0.00	0.00	0.01	0.00	29.72	0.81	0.00	0.00	0.01	0.00
29.73	0.79	0.00	0.00	0.01	0.00	29.74	0.79	0.00	0.00	0.01	0.00
29.75	0.78	0.00	0.00	0.01	0.00	29.76	0.78	0.00	0.00	0.01	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
29.77	0.78	0.00	0.00	0.01	0.00	29.78	0.79	0.00	0.00	0.01	0.00
29.79	0.79	0.00	0.00	0.01	0.00	29.80	0.80	0.00	0.00	0.01	0.00
29.81	0.80	0.00	0.00	0.01	0.00	29.82	0.80	0.00	0.00	0.01	0.00
29.83	0.81	0.00	0.00	0.01	0.00	29.84	0.82	0.00	0.00	0.01	0.00
29.85	0.83	0.00	0.00	0.01	0.00	29.86	0.86	0.00	0.00	0.01	0.00
29.87	0.89	0.00	0.00	0.01	0.00	29.88	0.93	0.00	0.00	0.01	0.00
29.89	0.99	0.00	0.00	0.01	0.00	29.90	1.06	0.00	0.00	0.01	0.00
29.91	1.12	0.00	0.00	0.01	0.00	29.92	1.12	0.00	0.00	0.01	0.00
29.93	1.12	0.00	0.00	0.01	0.00	29.94	1.08	0.00	0.00	0.01	0.00
29.95	1.06	0.00	0.00	0.01	0.00	29.96	0.96	0.00	0.00	0.01	0.00
29.97	0.92	0.00	0.00	0.01	0.00	29.98	0.87	0.00	0.00	0.01	0.00
29.99	0.88	0.00	0.00	0.01	0.00	30.00	0.88	0.00	0.00	0.01	0.00
30.01	0.89	0.00	0.00	0.01	0.00						

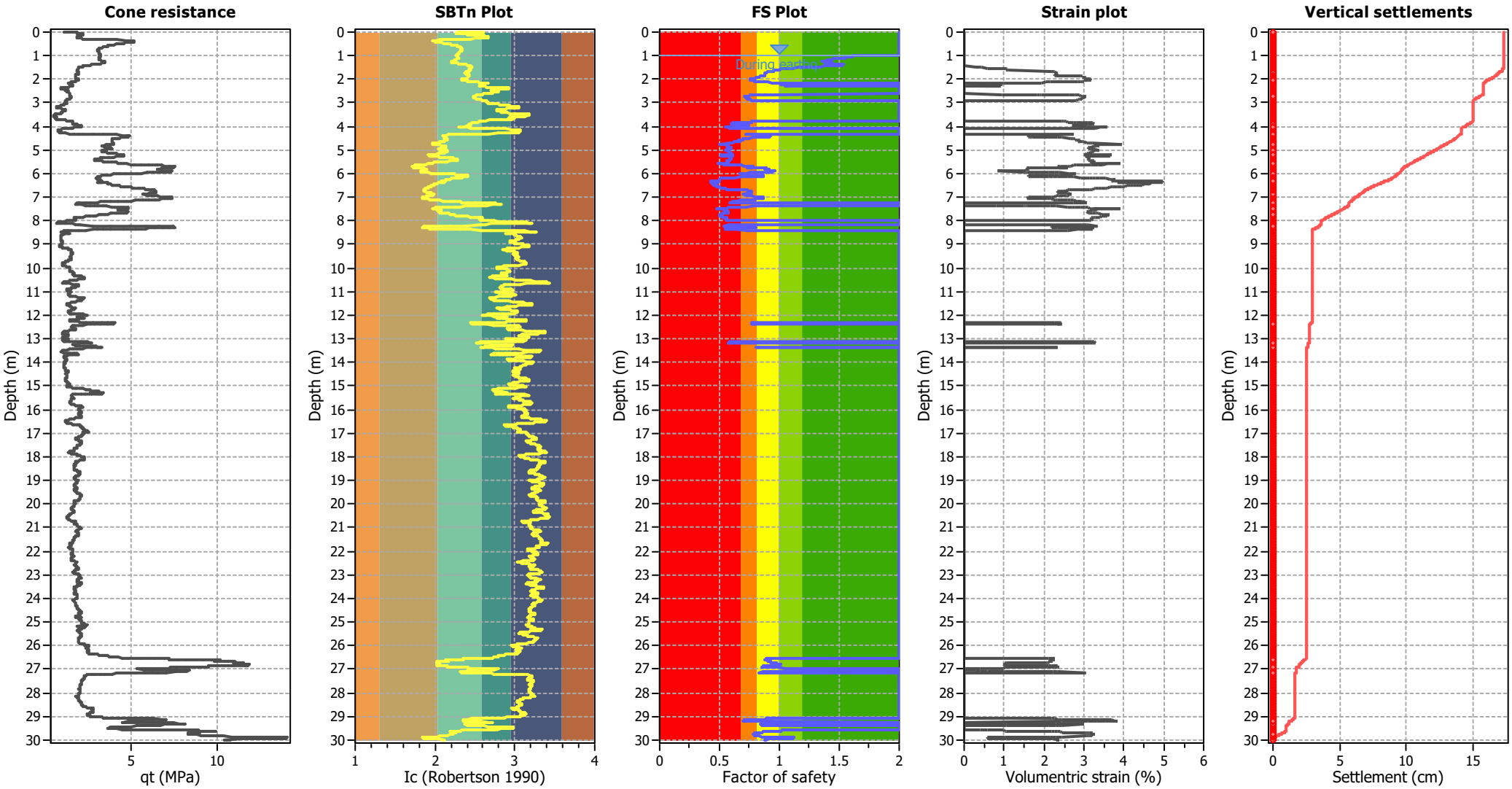
Overall liquefaction potential: 11.54

LPI = 0.00 - Liquefaction risk very low
LPI between 0.00 and 5.00 - Liquefaction risk low
LPI between 5.00 and 15.00 - Liquefaction risk high
LPI > 15.00 - Liquefaction risk very high

Abbreviations

FS: Calculated factor of safety for test point
F_L: 1 - FS
w_z: Function value of the extend of soil liquefaction according to depth
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

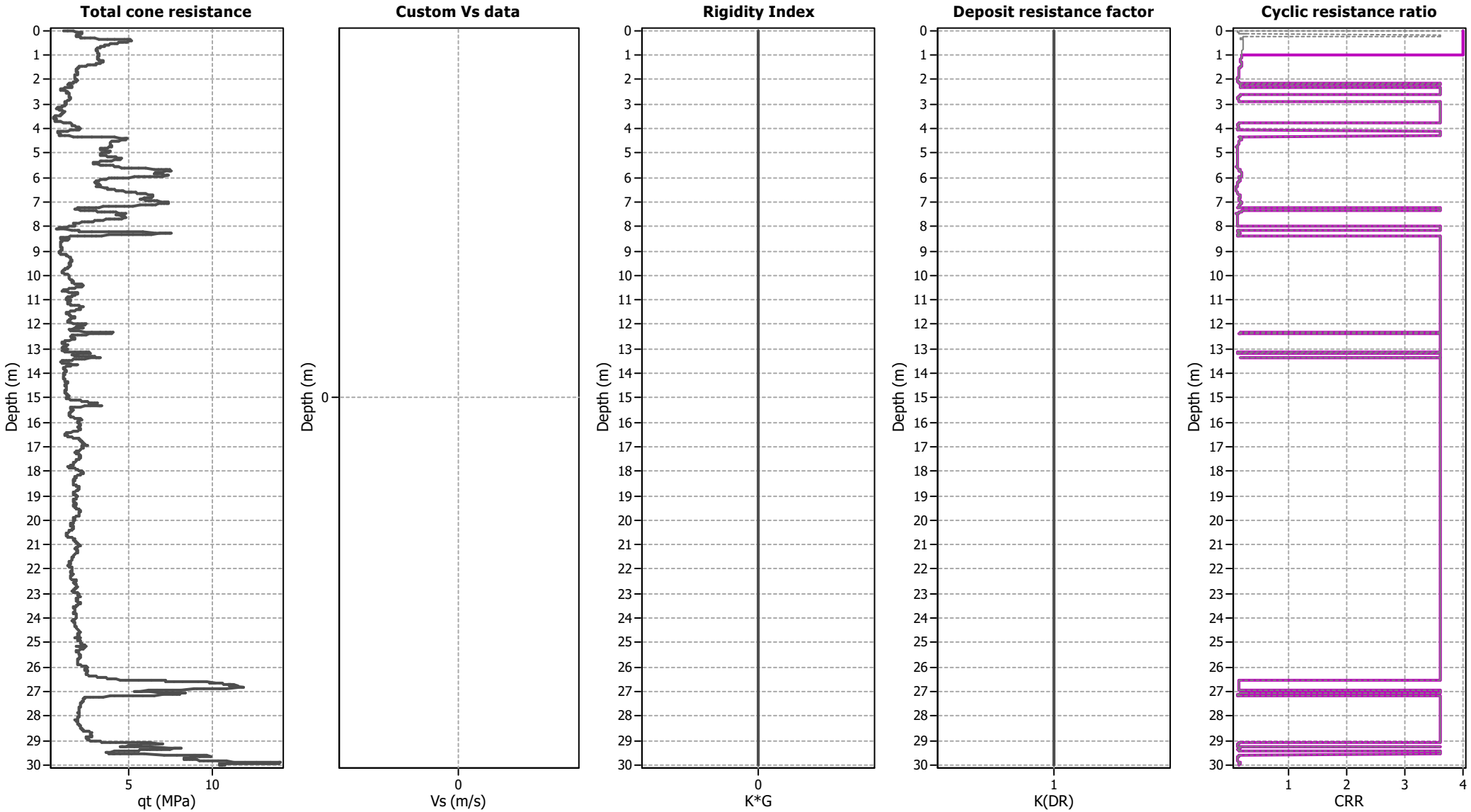
Estimation of post-earthquake settlements



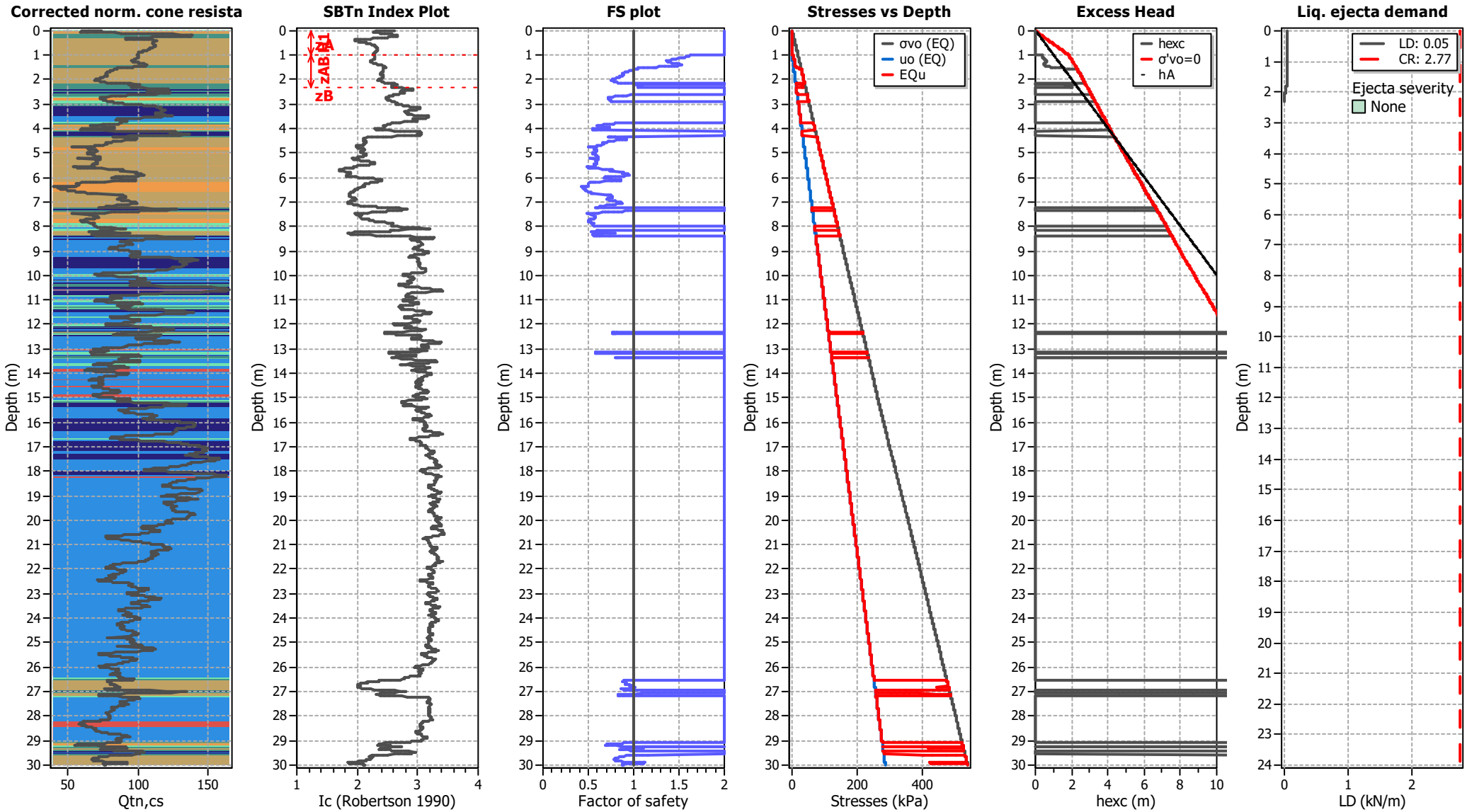
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



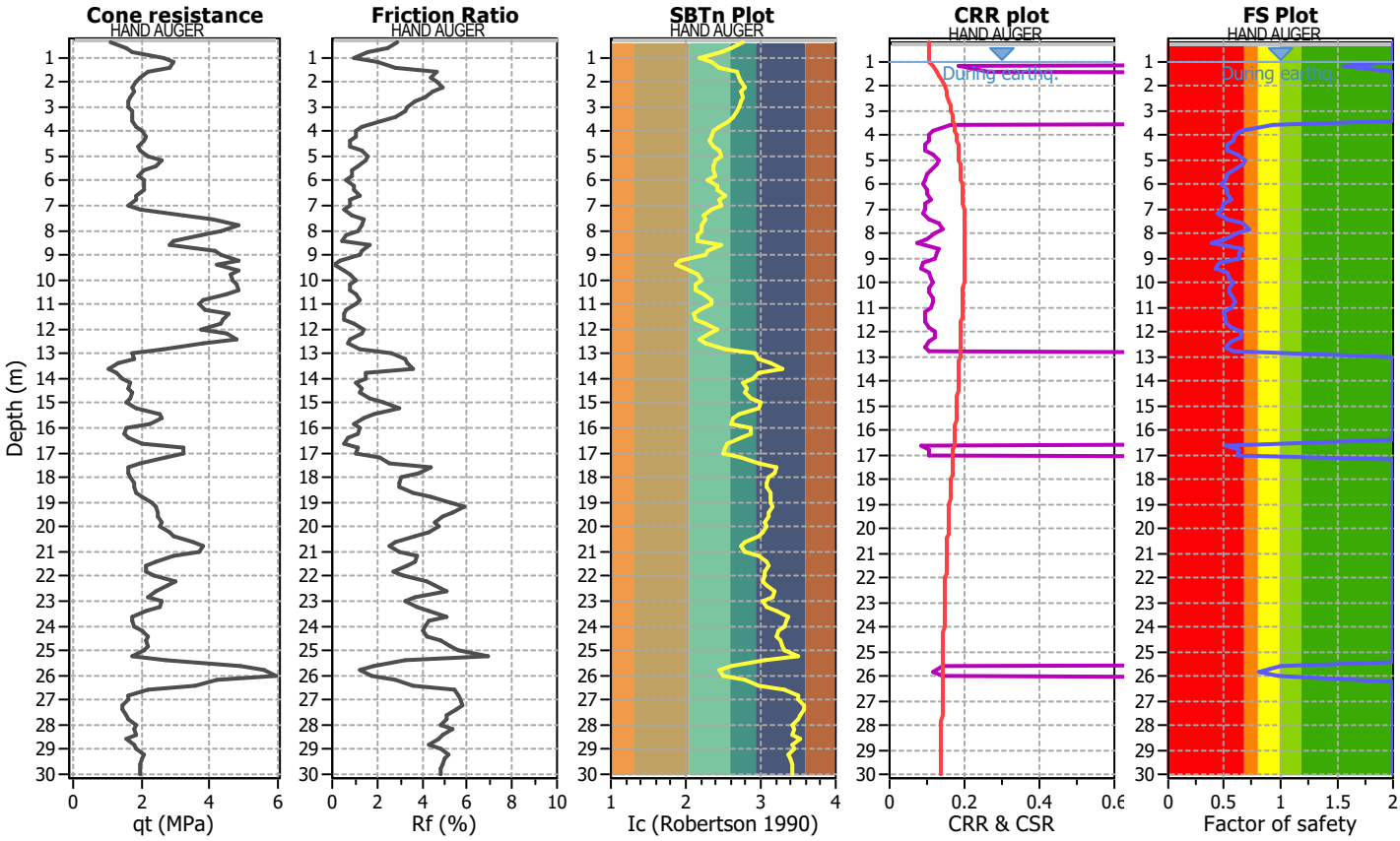
LIQUEFACTION ANALYSIS REPORT

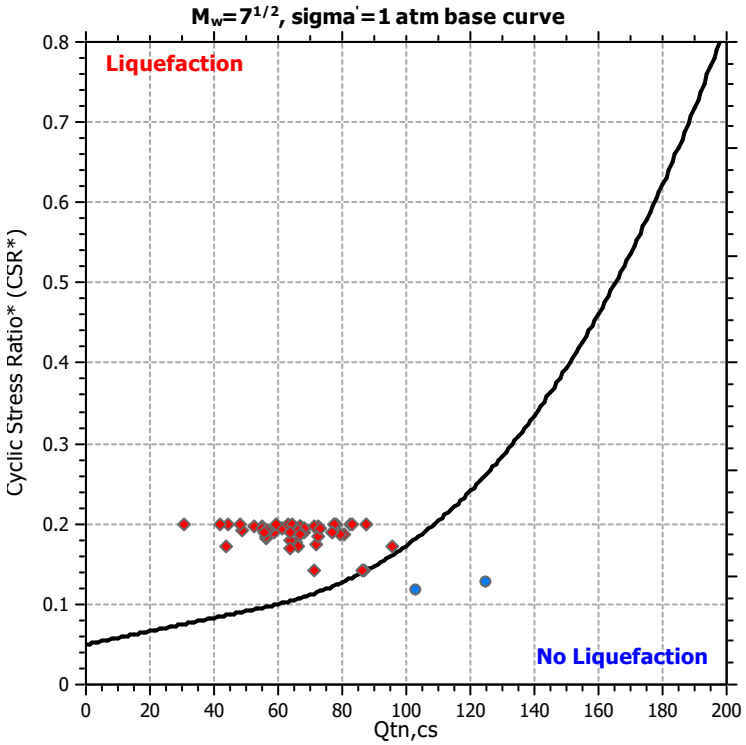
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,22**

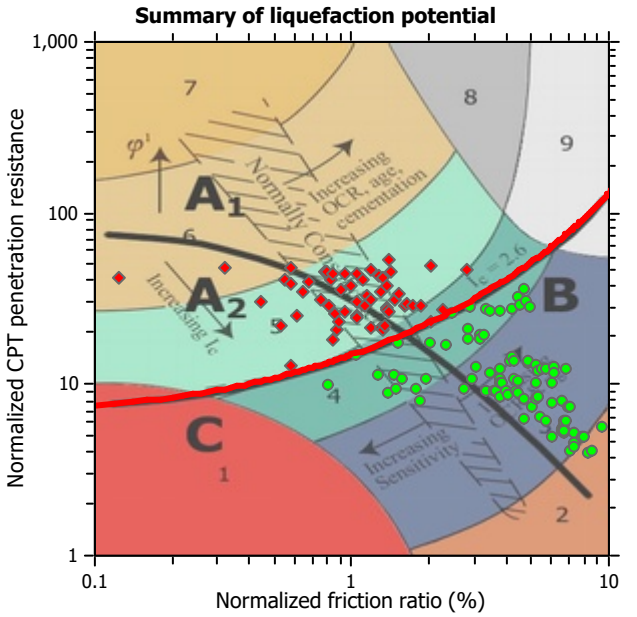
CPT file : 039017P1CPT1

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.22	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

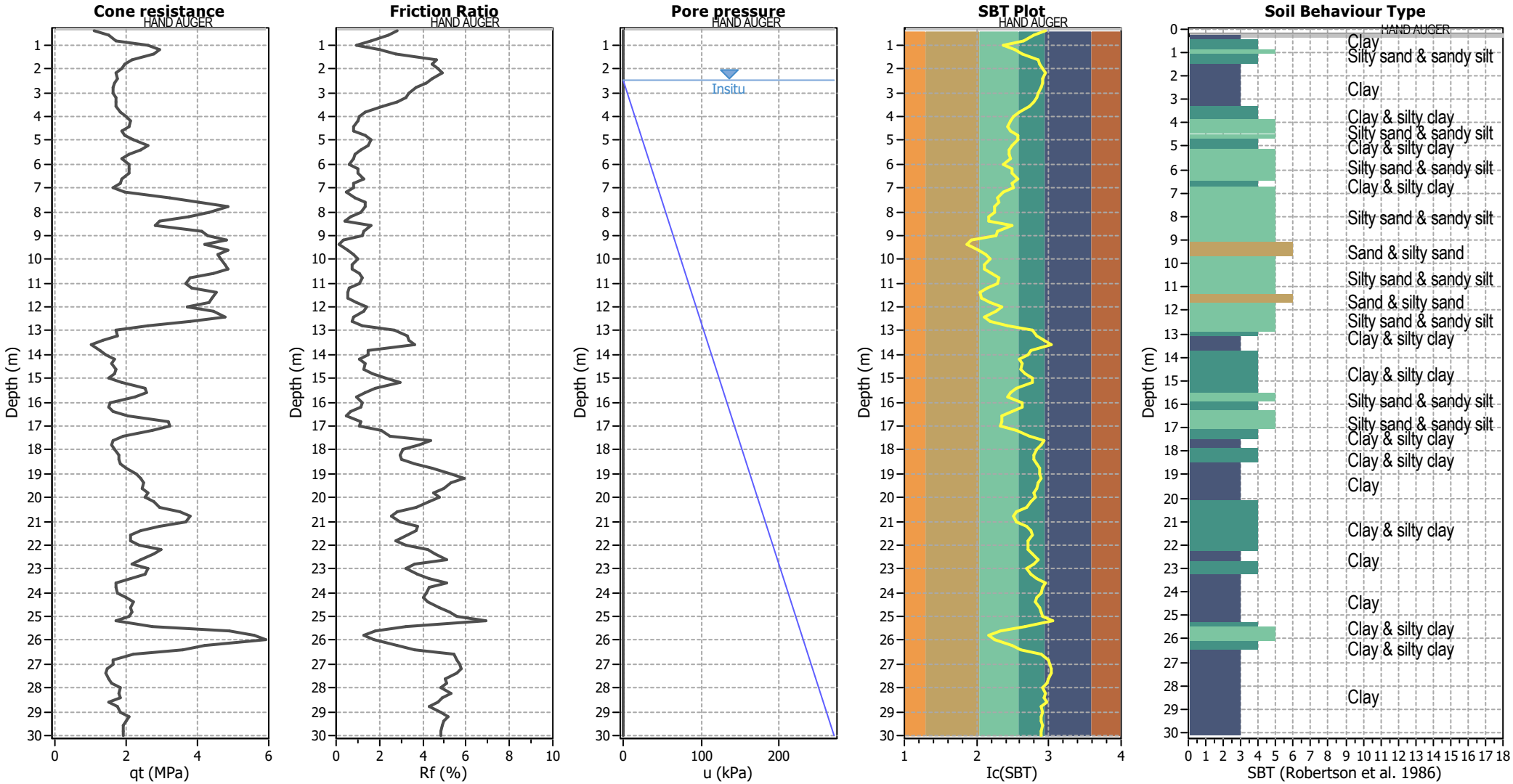






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



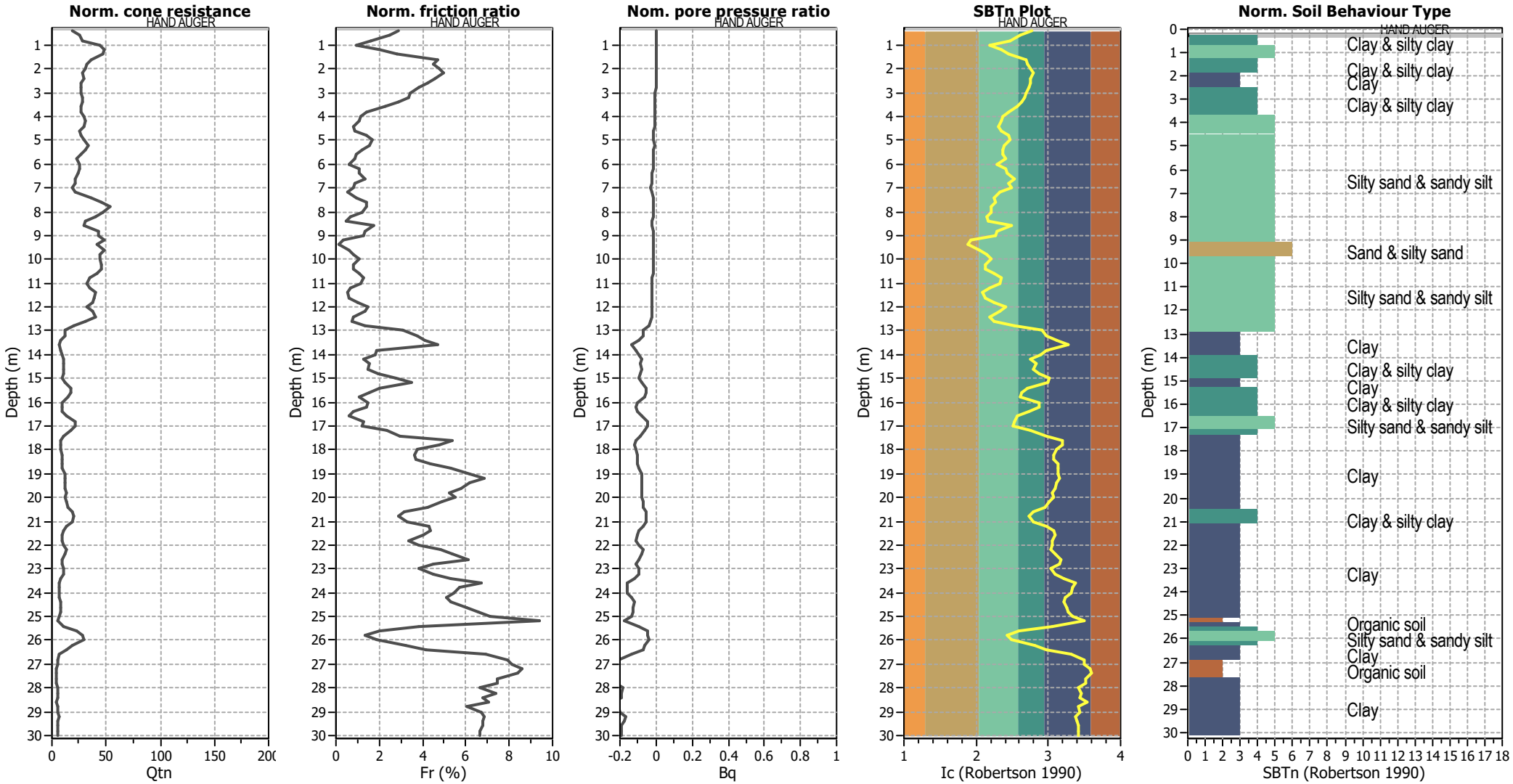
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



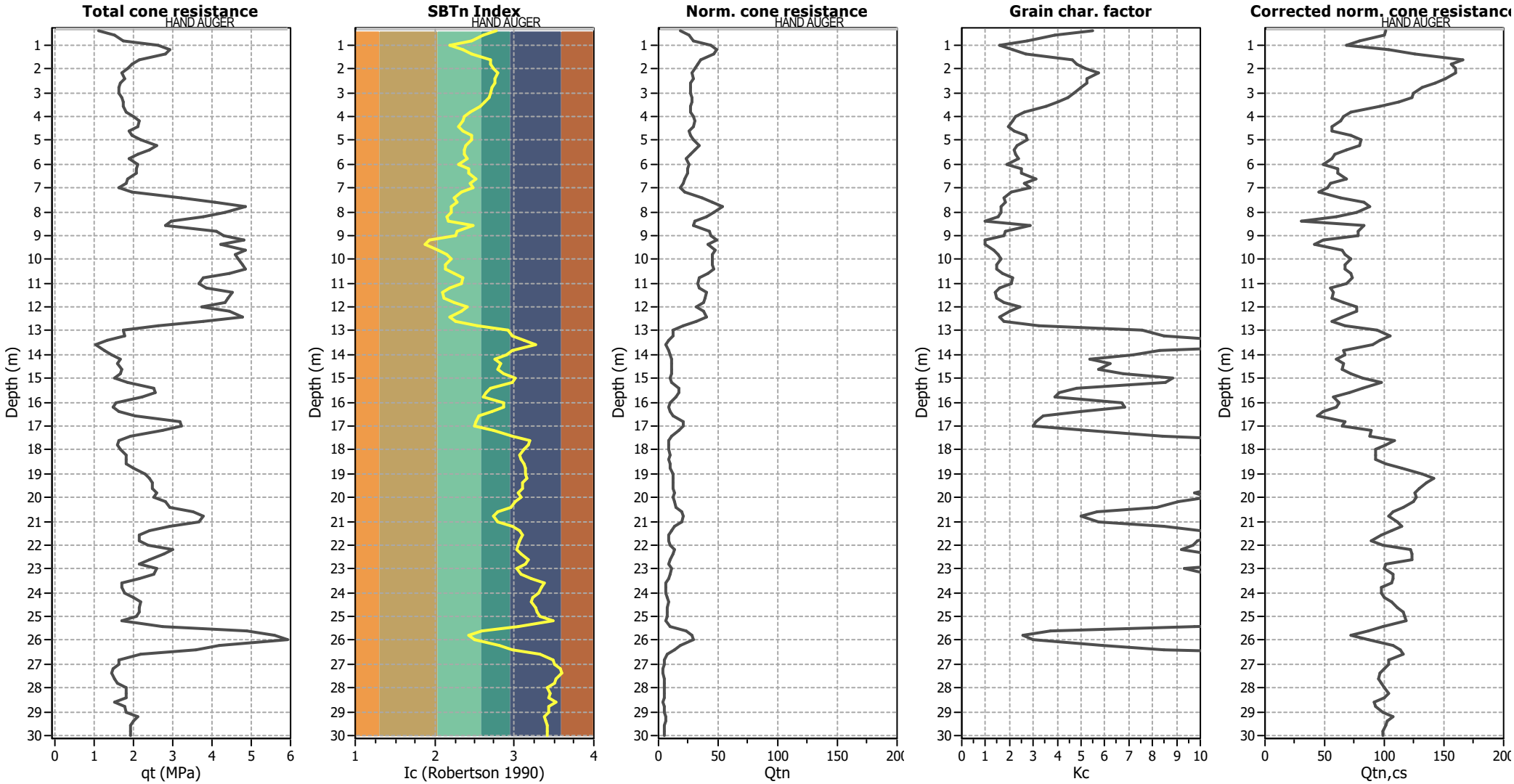
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

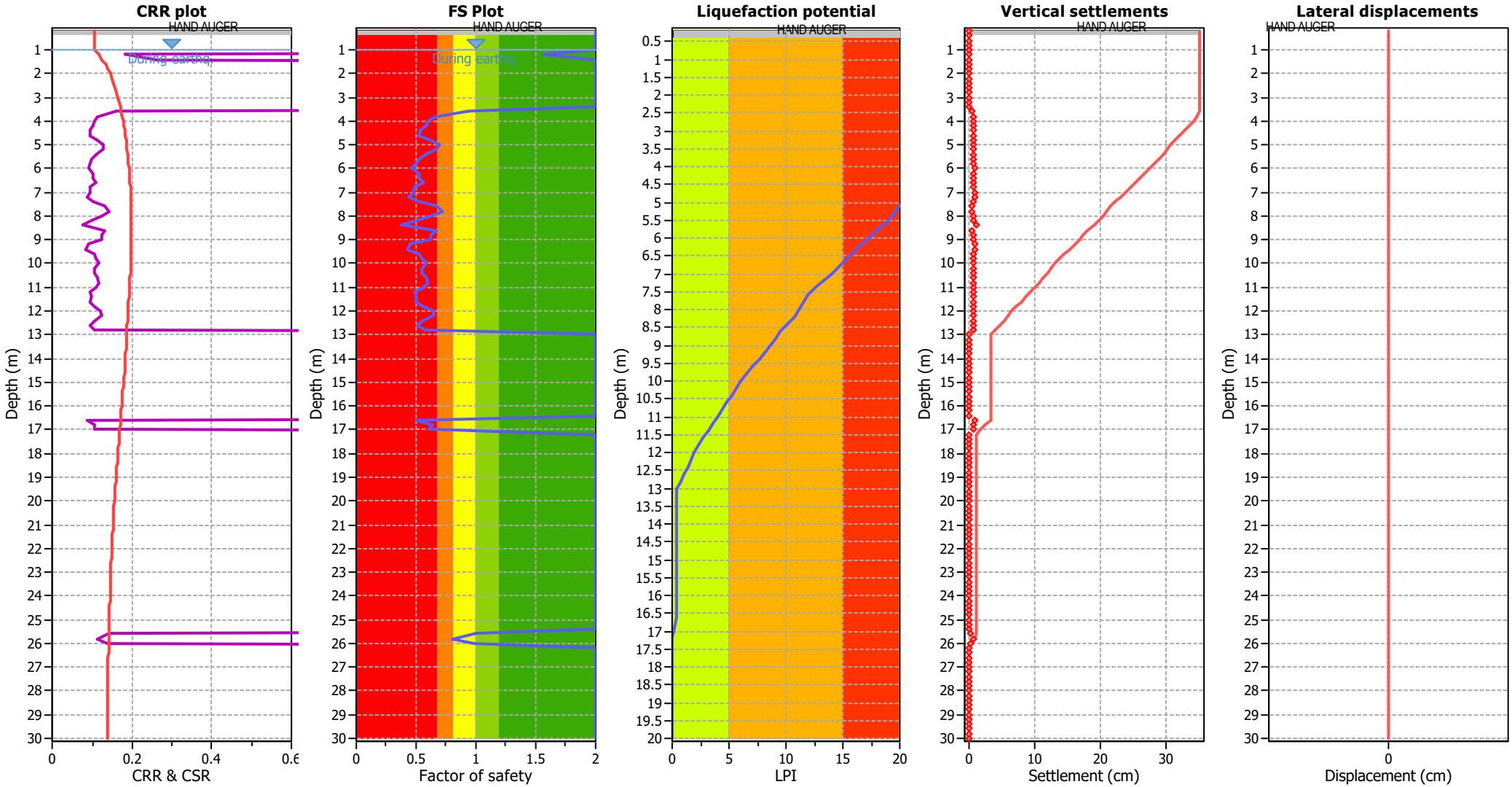
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

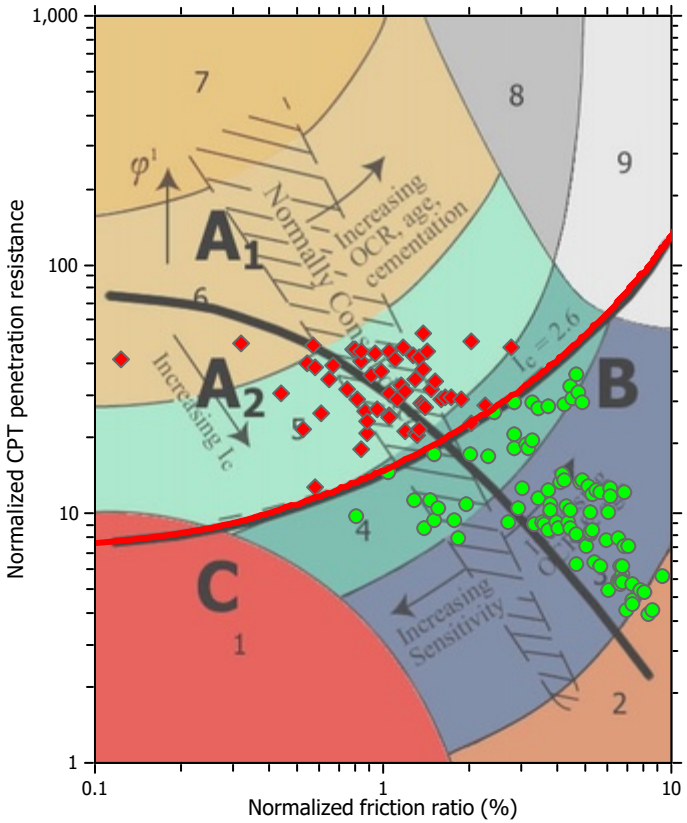
F.S. color scheme

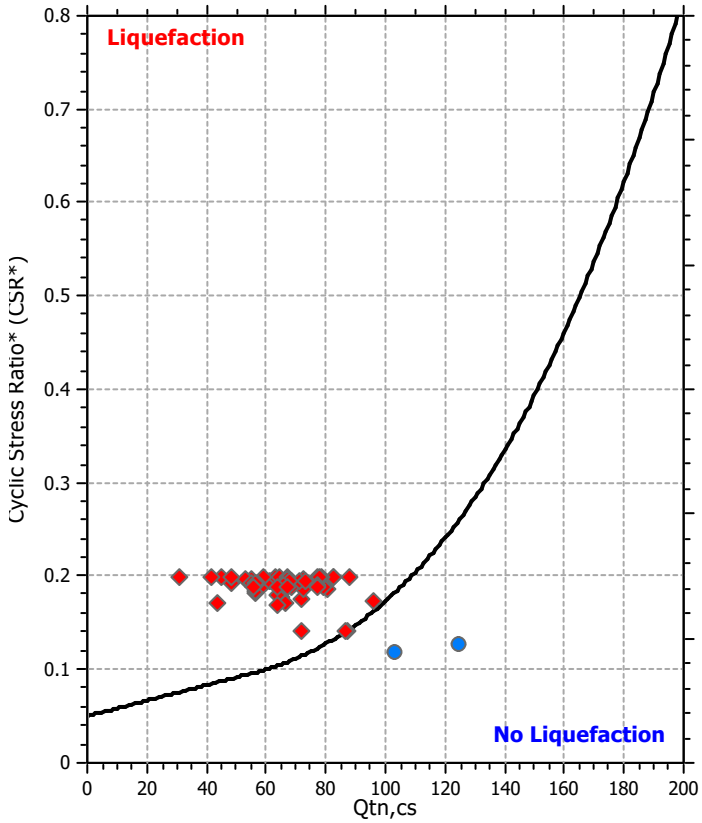
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

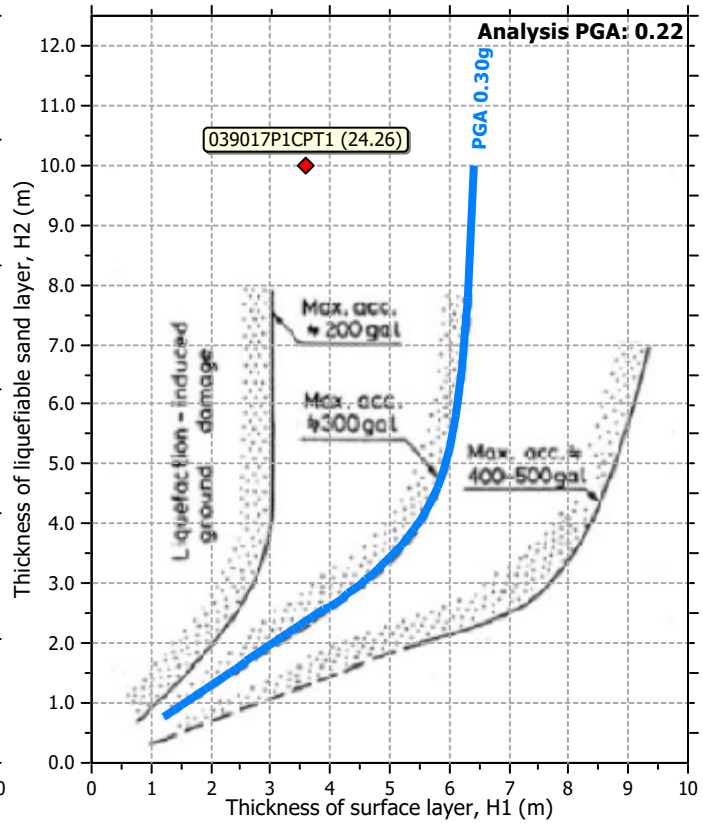
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



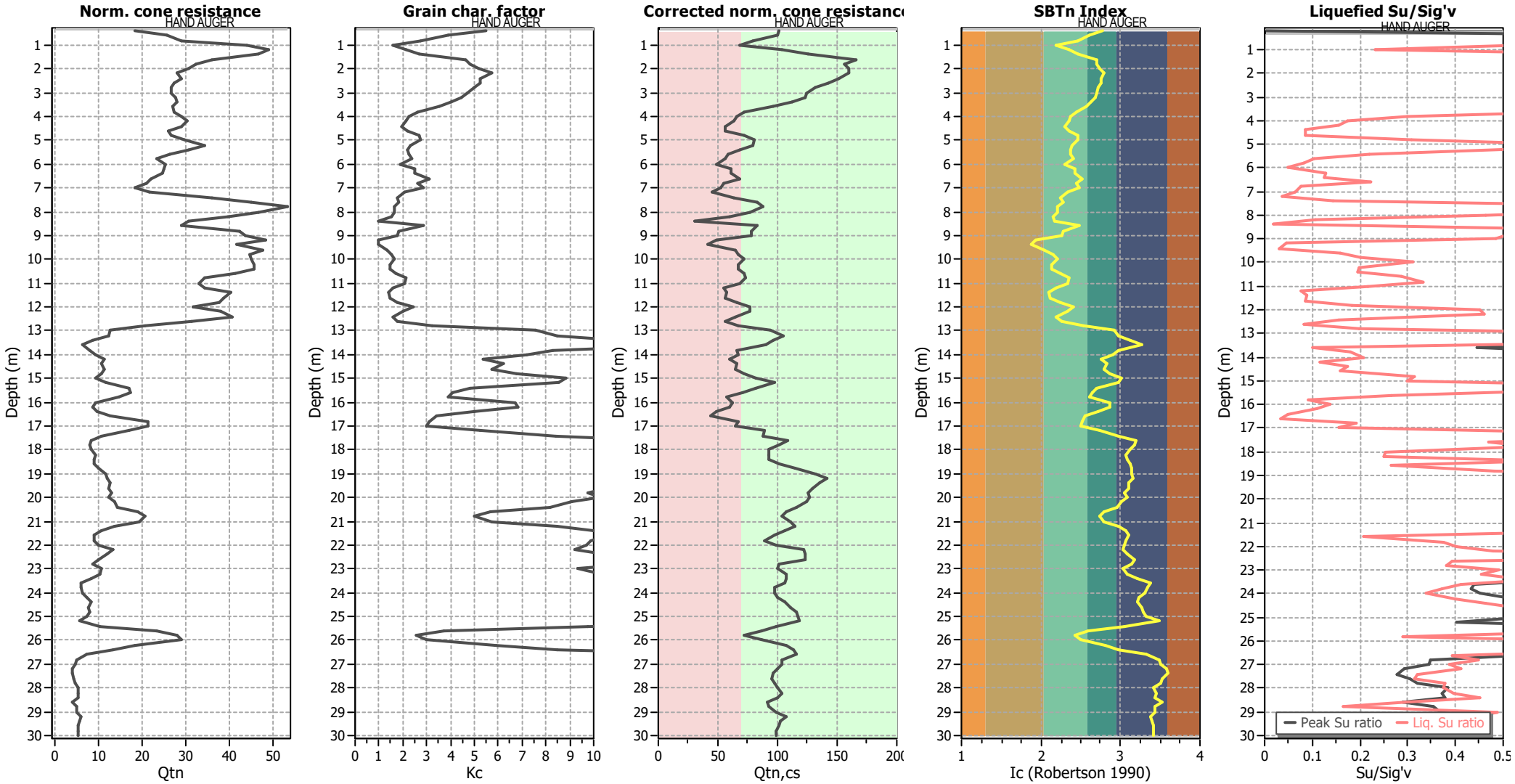




Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Check for strength loss plots (Robertson (2010))



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.22	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
0.20	2.00	0.00	0.00	0.00	0.00	0.40	2.00	0.00	0.00	0.20	0.00
0.60	2.00	0.00	0.00	0.20	0.00	0.80	2.00	0.00	0.00	0.20	0.00
1.00	2.00	0.00	0.00	0.20	0.00	1.20	1.56	0.00	0.00	0.20	0.00
1.40	2.00	0.00	0.00	0.20	0.00	1.60	2.00	0.00	0.00	0.20	0.00
1.80	2.00	0.00	0.00	0.20	0.00	2.00	2.00	0.00	0.00	0.20	0.00
2.20	2.00	0.00	0.00	0.20	0.00	2.40	2.00	0.00	0.00	0.20	0.00
2.60	2.00	0.00	0.00	0.20	0.00	2.80	2.00	0.00	0.00	0.20	0.00
3.00	2.00	0.00	0.00	0.20	0.00	3.20	2.00	0.00	0.00	0.20	0.00
3.40	2.00	0.00	0.00	0.20	0.00	3.60	0.93	0.00	0.00	0.20	0.11
3.80	0.65	0.35	0.76	0.20	0.56	4.00	0.60	0.40	0.62	0.20	0.65
4.20	0.58	0.42	0.59	0.20	0.66	4.40	0.53	0.47	0.52	0.20	0.73
4.60	0.53	0.47	0.51	0.20	0.73	4.80	0.62	0.38	0.68	0.20	0.58
5.00	0.69	0.00	0.00	0.20	0.46	5.20	0.67	0.33	0.82	0.20	0.48
5.40	0.58	0.42	0.59	0.20	0.61	5.60	0.52	0.48	0.50	0.20	0.69
5.80	0.50	0.50	0.48	0.20	0.71	6.00	0.47	0.53	0.44	0.20	0.74
6.20	0.52	0.48	0.51	0.20	0.66	6.40	0.52	0.48	0.50	0.20	0.65
6.60	0.56	0.44	0.56	0.20	0.59	6.80	0.48	0.52	0.46	0.20	0.68
7.00	0.47	0.53	0.45	0.20	0.68	7.20	0.44	0.56	0.42	0.20	0.72
7.40	0.52	0.48	0.50	0.20	0.61	7.60	0.67	0.33	0.80	0.20	0.41
7.80	0.72	0.00	0.00	0.20	0.34	8.00	0.62	0.38	0.67	0.20	0.46
8.20	0.50	0.50	0.48	0.20	0.59	8.40	0.38	0.62	0.37	0.20	0.72
8.60	0.67	0.33	0.80	0.20	0.38	8.80	0.63	0.37	0.69	0.20	0.42
9.00	0.62	0.38	0.68	0.20	0.41	9.20	0.45	0.55	0.43	0.20	0.59
9.40	0.43	0.57	0.41	0.20	0.61	9.60	0.53	0.47	0.51	0.20	0.49
9.80	0.55	0.45	0.54	0.20	0.46	10.00	0.58	0.42	0.60	0.20	0.42
10.20	0.55	0.45	0.54	0.20	0.44	10.40	0.55	0.45	0.54	0.20	0.43
10.60	0.58	0.42	0.60	0.20	0.39	10.80	0.60	0.40	0.63	0.20	0.37
11.00	0.56	0.44	0.56	0.20	0.39	11.20	0.49	0.51	0.47	0.20	0.45
11.40	0.50	0.50	0.48	0.20	0.43	11.60	0.50	0.50	0.48	0.20	0.42
11.80	0.56	0.44	0.56	0.20	0.36	12.00	0.64	0.36	0.73	0.20	0.28
12.20	0.65	0.35	0.74	0.20	0.27	12.40	0.55	0.45	0.55	0.20	0.34
12.60	0.51	0.49	0.49	0.20	0.36	12.80	0.57	0.43	0.58	0.20	0.31
13.00	2.00	0.00	0.00	0.20	0.00	13.20	2.00	0.00	0.00	0.20	0.00
13.40	2.00	0.00	0.00	0.20	0.00	13.60	2.00	0.00	0.00	0.20	0.00
13.80	2.00	0.00	0.00	0.20	0.00	14.00	2.00	0.00	0.00	0.20	0.00
14.20	2.00	0.00	0.00	0.20	0.00	14.40	2.00	0.00	0.00	0.20	0.00
14.60	2.00	0.00	0.00	0.20	0.00	14.80	2.00	0.00	0.00	0.20	0.00
15.00	2.00	0.00	0.00	0.20	0.00	15.20	2.00	0.00	0.00	0.20	0.00
15.40	2.00	0.00	0.00	0.20	0.00	15.60	2.00	0.00	0.00	0.20	0.00
15.80	2.00	0.00	0.00	0.20	0.00	16.00	2.00	0.00	0.00	0.20	0.00
16.20	2.00	0.00	0.00	0.20	0.00	16.40	2.00	0.00	0.00	0.20	0.00
16.60	0.50	0.50	0.48	0.20	0.17	16.80	0.63	0.37	0.69	0.20	0.12
17.00	0.61	0.39	0.66	0.20	0.12	17.20	2.00	0.00	0.00	0.20	0.00
17.40	2.00	0.00	0.00	0.20	0.00	17.60	2.00	0.00	0.00	0.20	0.00
17.80	2.00	0.00	0.00	0.20	0.00	18.00	2.00	0.00	0.00	0.20	0.00
18.20	2.00	0.00	0.00	0.20	0.00	18.40	2.00	0.00	0.00	0.20	0.00
18.60	2.00	0.00	0.00	0.20	0.00	18.80	2.00	0.00	0.00	0.20	0.00
19.00	2.00	0.00	0.00	0.20	0.00	19.20	2.00	0.00	0.00	0.20	0.00

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

Depth (m)	FS	F_L	w_z	d_z	LPI	Depth (m)	FS	F_L	w_z	d_z	LPI
19.40	2.00	0.00	0.00	0.20	0.00	19.60	2.00	0.00	0.00	0.20	0.00
19.80	2.00	0.00	0.00	0.20	0.00	20.00	2.00	0.00	0.00	0.20	0.00
20.20	2.00	0.00	0.00	0.20	0.00	20.40	2.00	0.00	0.00	0.20	0.00
20.60	2.00	0.00	0.00	0.20	0.00	20.80	2.00	0.00	0.00	0.20	0.00
21.00	2.00	0.00	0.00	0.20	0.00	21.20	2.00	0.00	0.00	0.20	0.00
21.40	2.00	0.00	0.00	0.20	0.00	21.60	2.00	0.00	0.00	0.20	0.00
21.80	2.00	0.00	0.00	0.20	0.00	22.00	2.00	0.00	0.00	0.20	0.00
22.20	2.00	0.00	0.00	0.20	0.00	22.40	2.00	0.00	0.00	0.20	0.00
22.60	2.00	0.00	0.00	0.20	0.00	22.80	2.00	0.00	0.00	0.20	0.00
23.00	2.00	0.00	0.00	0.20	0.00	23.20	2.00	0.00	0.00	0.20	0.00
23.40	2.00	0.00	0.00	0.20	0.00	23.60	2.00	0.00	0.00	0.20	0.00
23.80	2.00	0.00	0.00	0.20	0.00	24.00	2.00	0.00	0.00	0.20	0.00
24.20	2.00	0.00	0.00	0.20	0.00	24.40	2.00	0.00	0.00	0.20	0.00
24.60	2.00	0.00	0.00	0.20	0.00	24.80	2.00	0.00	0.00	0.20	0.00
25.00	2.00	0.00	0.00	0.20	0.00	25.20	2.00	0.00	0.00	0.20	0.00
25.40	2.00	0.00	0.00	0.20	0.00	25.60	0.99	0.00	0.00	0.20	0.00
25.80	0.80	0.00	0.00	0.20	0.00	26.00	0.99	0.00	0.00	0.20	0.00
26.20	2.00	0.00	0.00	0.20	0.00	26.40	2.00	0.00	0.00	0.20	0.00
26.60	2.00	0.00	0.00	0.20	0.00	26.80	2.00	0.00	0.00	0.20	0.00
27.00	2.00	0.00	0.00	0.20	0.00	27.20	2.00	0.00	0.00	0.20	0.00
27.40	2.00	0.00	0.00	0.20	0.00	27.60	2.00	0.00	0.00	0.20	0.00
27.80	2.00	0.00	0.00	0.20	0.00	28.00	2.00	0.00	0.00	0.20	0.00
28.20	2.00	0.00	0.00	0.20	0.00	28.40	2.00	0.00	0.00	0.20	0.00
28.60	2.00	0.00	0.00	0.20	0.00	28.80	2.00	0.00	0.00	0.20	0.00
29.00	2.00	0.00	0.00	0.20	0.00	29.20	2.00	0.00	0.00	0.20	0.00
29.40	2.00	0.00	0.00	0.20	0.00	29.60	2.00	0.00	0.00	0.20	0.00
29.80	2.00	0.00	0.00	0.20	0.00	30.00	2.00	0.00	0.00	0.20	0.00

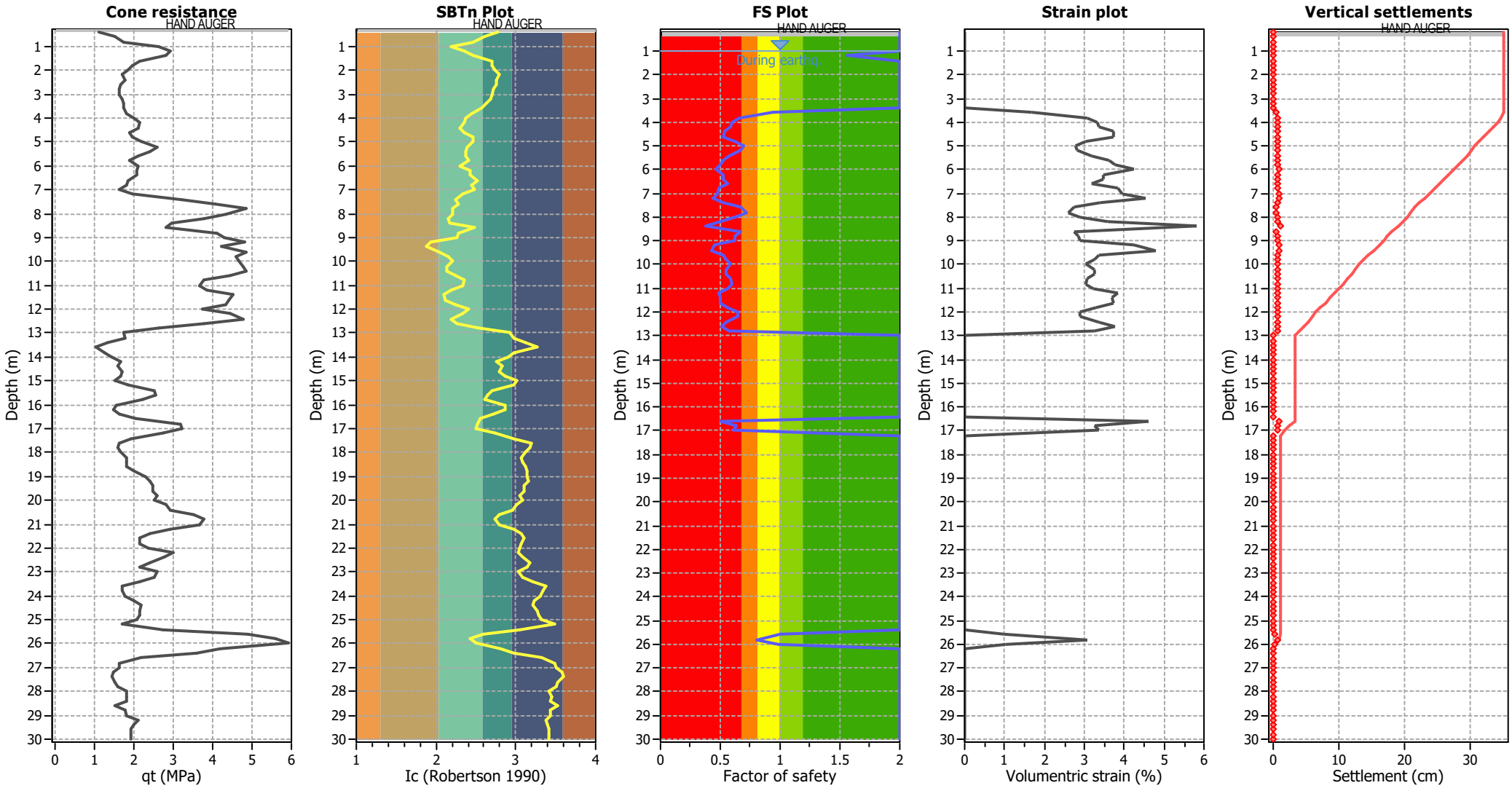
Overall liquefaction potential: 24.26

LPI = 0.00 - Liquefaction risk very low
LPI between 0.00 and 5.00 - Liquefaction risk low
LPI between 5.00 and 15.00 - Liquefaction risk high
LPI > 15.00 - Liquefaction risk very high

Abbreviations

FS: Calculated factor of safety for test point
F_L: 1 - FS
w_z: Function value of the extend of soil liquefaction according to depth
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

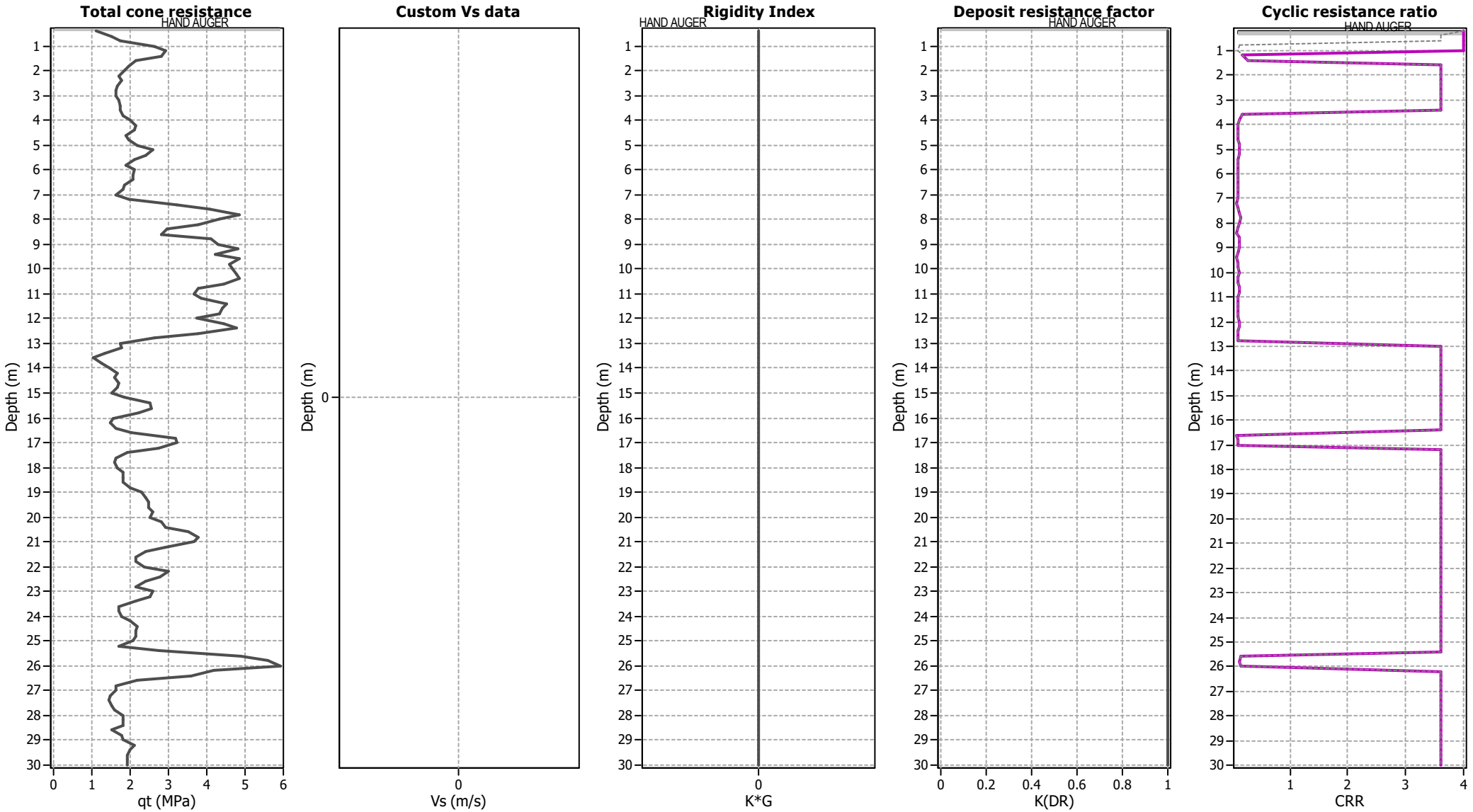
Estimation of post-earthquake settlements



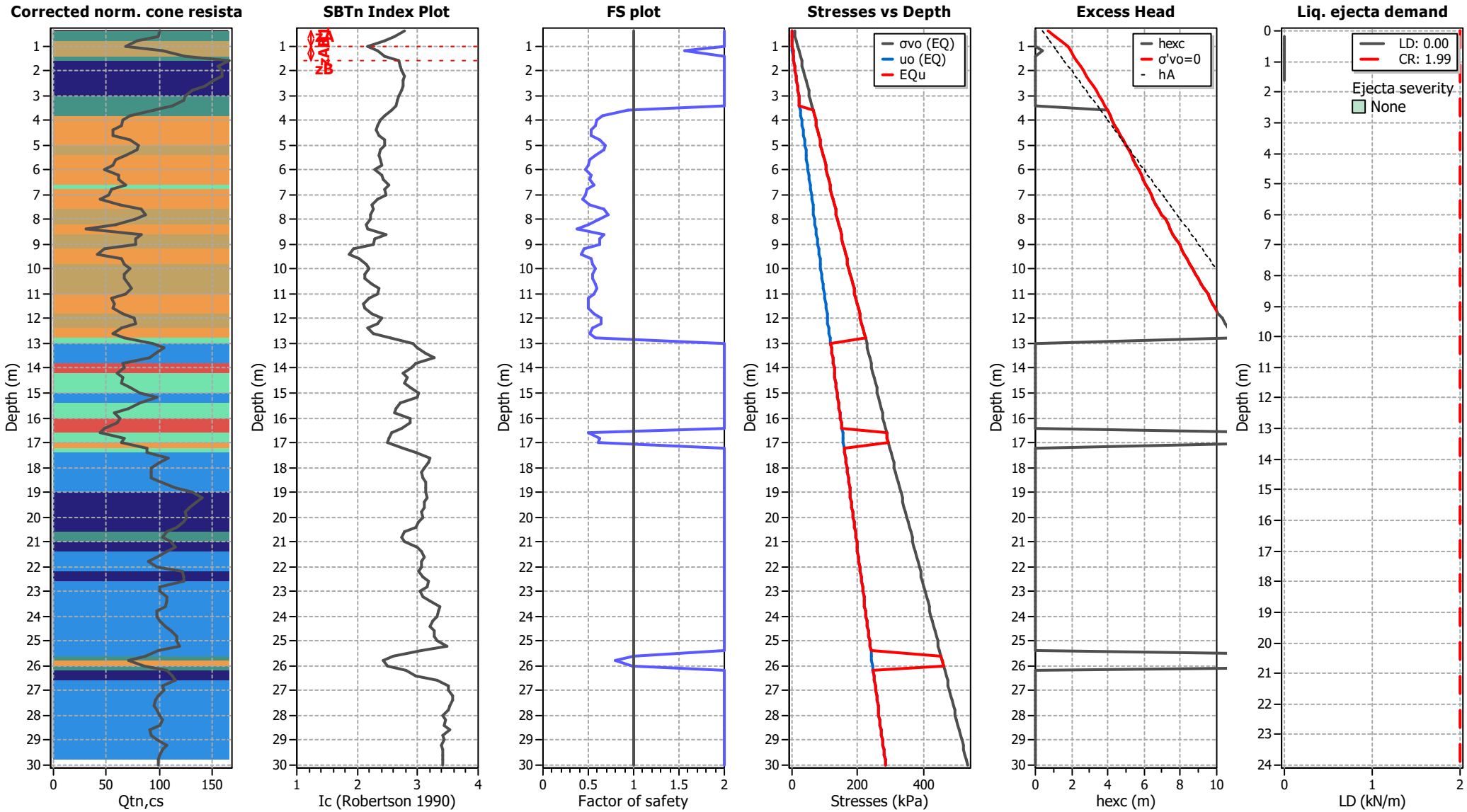
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation

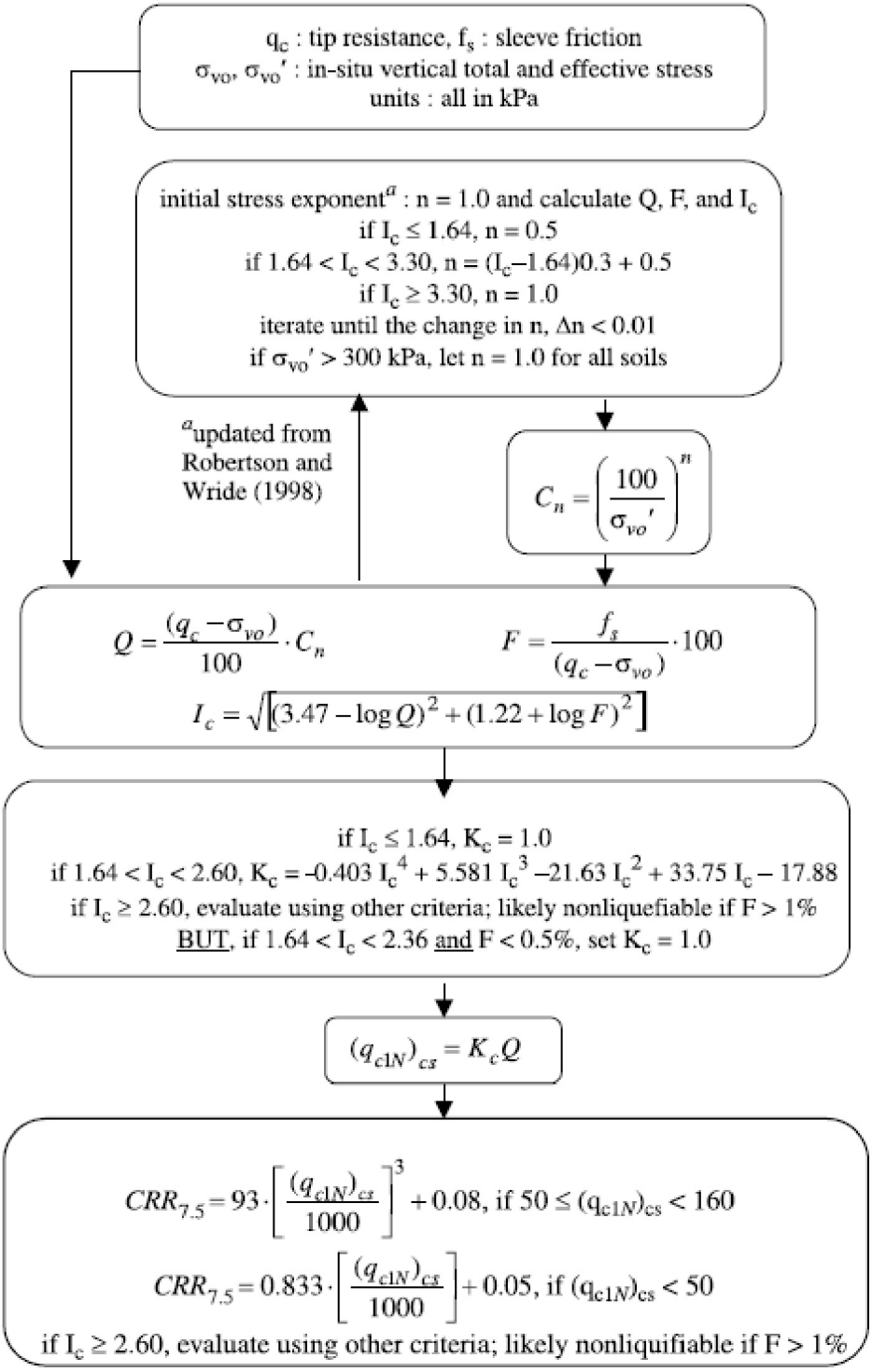


Ejecta Severity Estimation



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

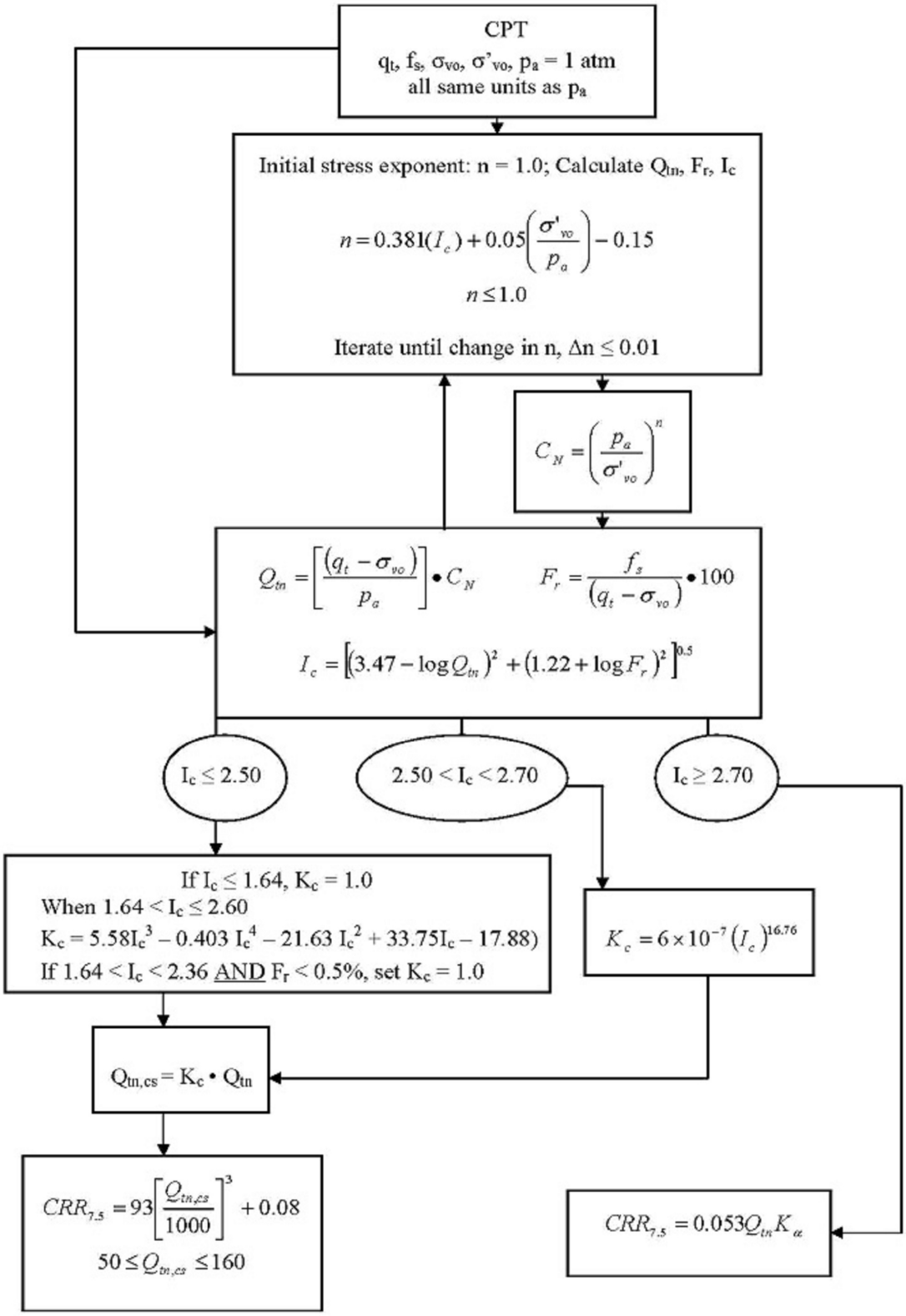
Calculation of soil resistance against liquefaction is performed according to the Robertson & Wride (1998) procedure. The procedure used in the software, slightly differs from the one originally published in NCEER-97-0022 (Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils). The revised procedure is presented below in the form of a flowchart[1]:



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

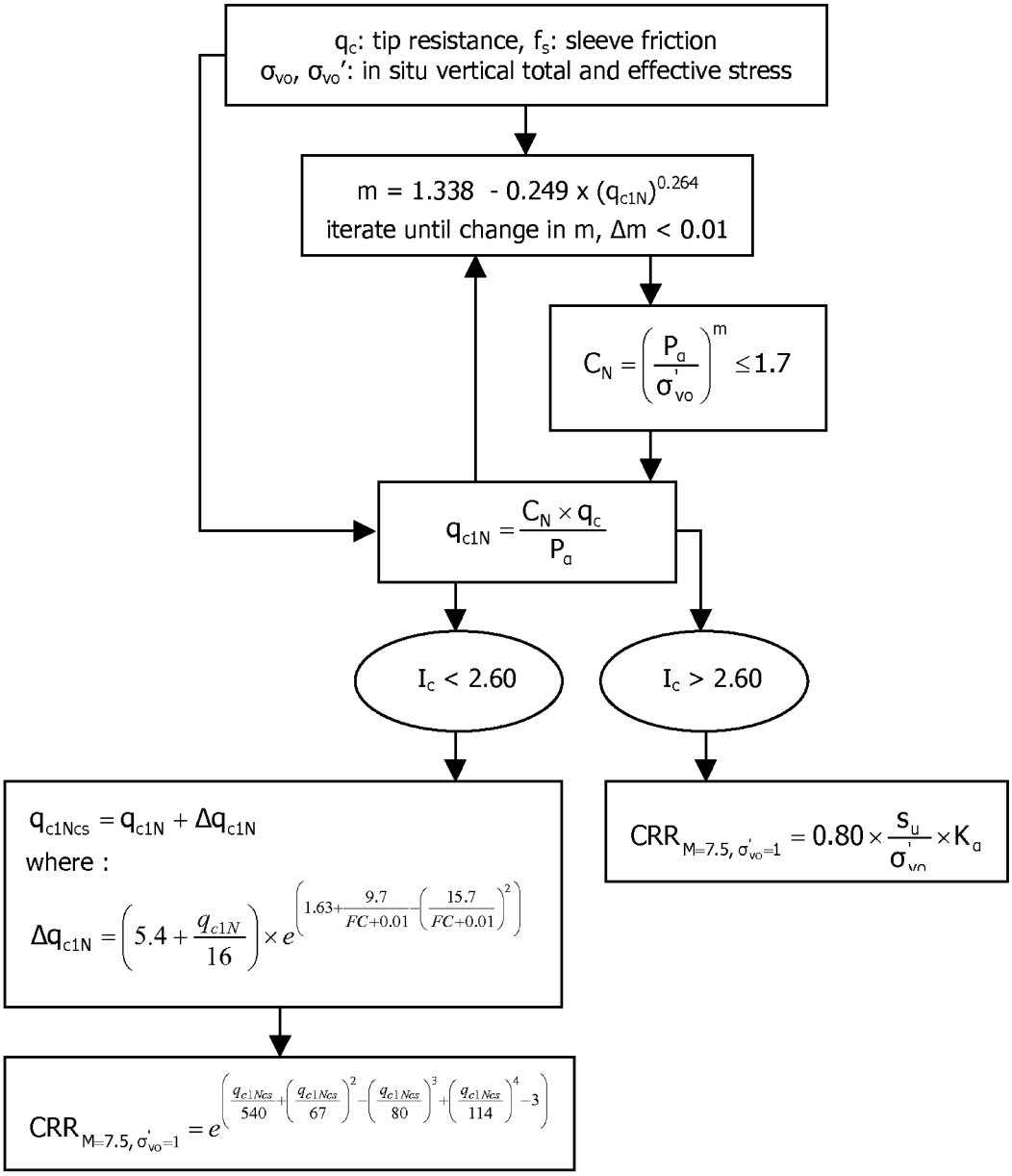
Procedure for the evaluation of soil liquefaction resistance (all soils), Robertson (2010)

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 flowchart[1]:

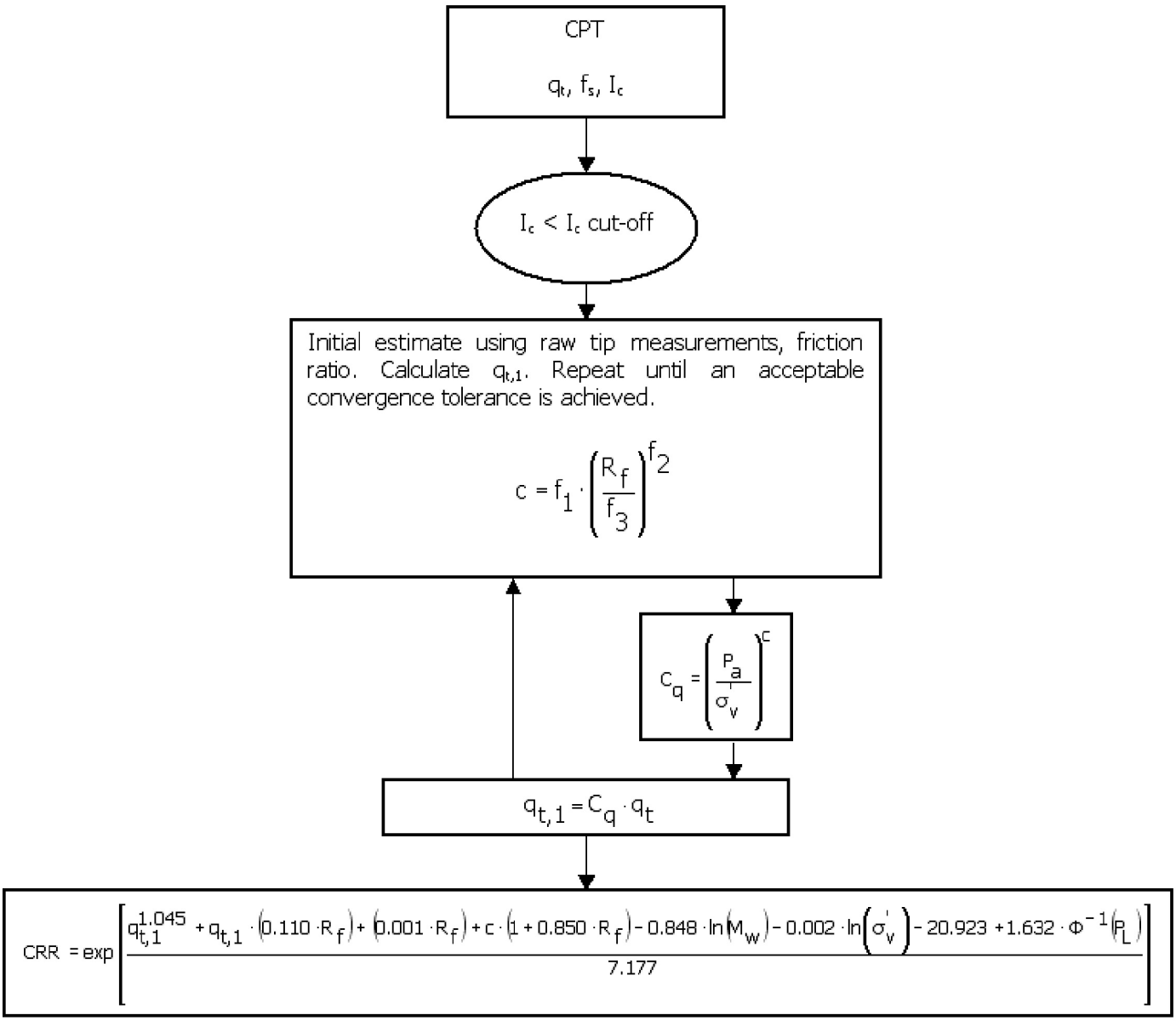


[1] P.K. Robertson, 2009. "Performance based earthquake design using the CPT", Keynote Lecture, International Conference on Performance-based Design in Earthquake Geotechnical Engineering – from case history to practice, IS-Tokyo, June 2009

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)

$$FS_{liq} = \frac{CRR_{M=7.5,\sigma'_v=1atm}}{CSR_{M=7.5,\sigma'_v=1atm}}$$

$$CSR_{M=7.5,\sigma'_v=1atm} = 0.65 \frac{\sigma_v}{\sigma'_v} \frac{a_{max}}{g} r_d \frac{1}{MSF} \frac{1}{K_\sigma}$$

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

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

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

$$K_\sigma = 1 - C_\sigma \ln\left(\frac{\sigma'_v}{P_a}\right) \le 1.1$$

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

$$MSF = 1 + \left(MSF_{max} - 1\right)\left(8.64 \exp\left(\frac{-M}{4}\right) - 1.325\right)$$

$$MSF_{max} = 1.09 + \left(\frac{q_{C1Ncs}}{180}\right)^3 \le 2.2$$

σ'_v *and* σ_v *at start of earthquake shaking*

$$CRR_{M=7.5,\sigma'_v=1atm} = \exp\left(\frac{q_{c1Ncs}}{113} + \left(\frac{q_{c1Ncs}}{1000}\right)^2 - \left(\frac{q_{c1Ncs}}{140}\right)^3 + \left(\frac{q_{c1Ncs}}{137}\right)^4 - 2.80\right)$$

$$q_{c1Ncs} = q_{c1N} + \Delta q_{c1N}$$

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

$$q_{c1N} = C_{Ne} \frac{q_c}{P_a}$$

$$C_{Ne} = \left(\frac{P_a}{\sigma'_v}\right)^m \le 1.7$$

$$m = 1.338 - 0.249\left(q_{c1Ncs}\right)^{0.264} \quad with \quad 0.264 \le m \le 0.782$$

$$FC = 80\left(I_C + C_{FC}\right) - 137 \quad with \quad 0\% \le FC \le 100\%$$

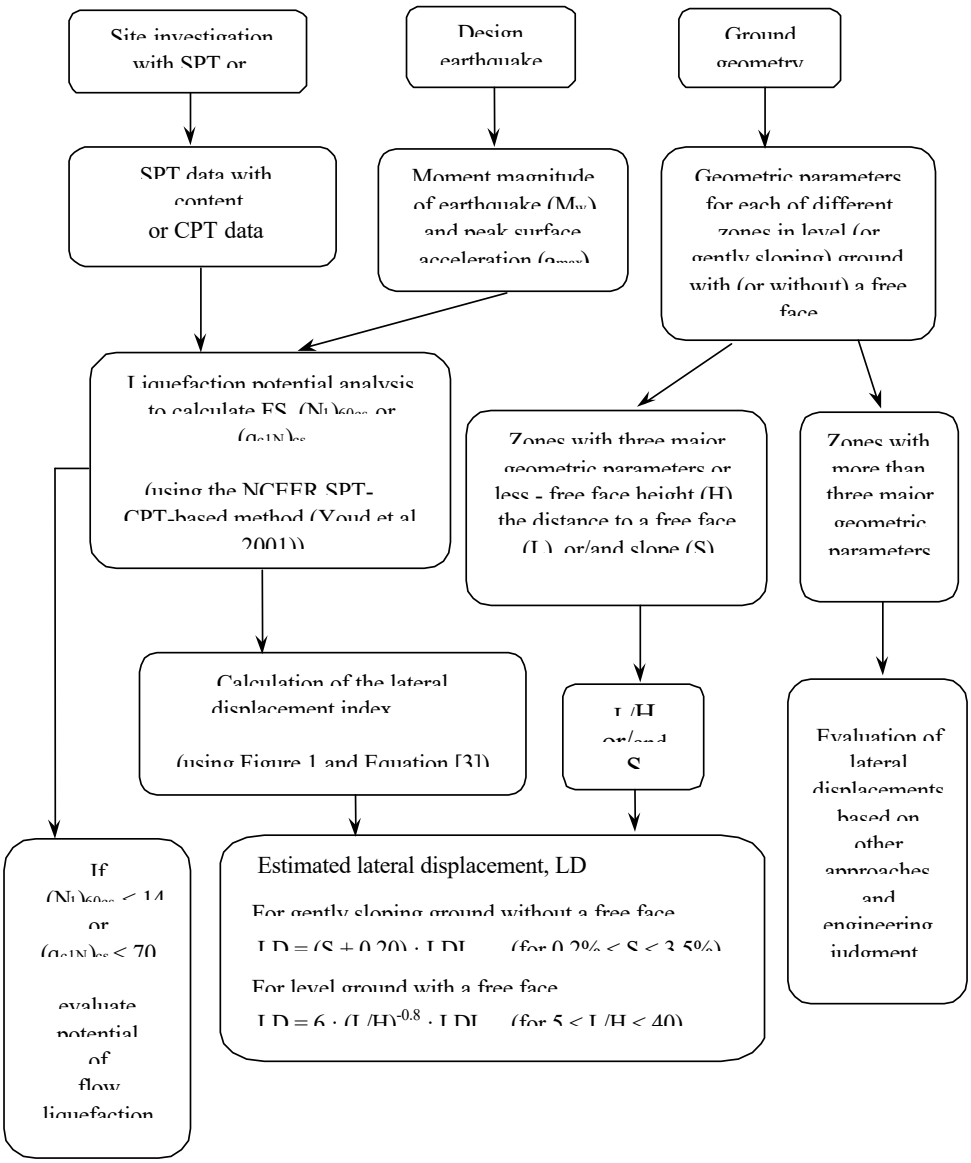
$$I_c = \left[\left(3.47 - \log(Q)\right)^2 + \left(1.22 + \log(F)\right)^2\right]^{0.5}$$

$$Q = \left(\frac{q_c - \sigma_{vc}}{P_a}\right)\left(\frac{P_a}{\sigma'_{vc}}\right)^n \quad with\ 0.5 \le n \le 1.0\ per\ Robertson\ \&\ Wride\ (1998)$$

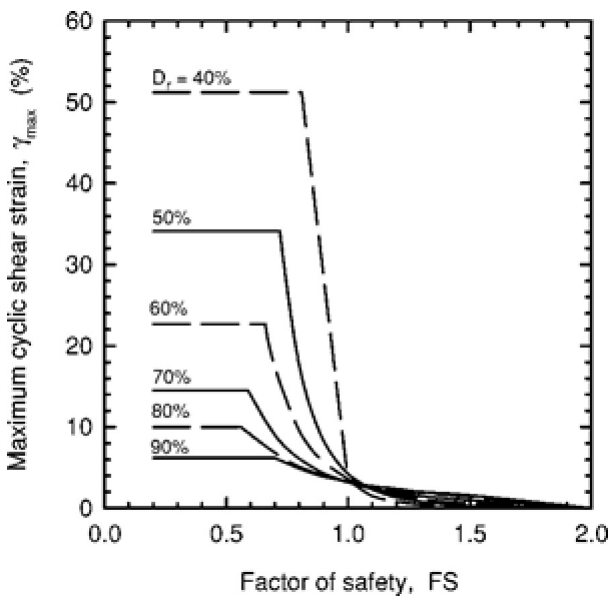
$$F = \left(\frac{f_s}{q_c - \sigma_{vc}}\right) \cdot 100\%$$

σ'_v *at time of CPT sounding*

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

Average shear stress, τ_{av}

$$\tau_{av} = CSR^{*} \cdot \sigma_{v0}' = 0.65 \cdot \frac{a_{max}}{g} \cdot \sigma_{v0} \cdot r_a$$

Estimate small shear strain modulus, G_0

$$G_0 = 0.0188 \cdot \left[10^{(0.55 I_c + 1.68)}\right] \cdot (q_t - \sigma_v)$$

Estimate shear strain amplitude, γ

(based on Pradel (1998))

$$\gamma = \left[\frac{1 + \alpha \cdot e^{bR}}{1 + \alpha}\right] \cdot R \cdot 100\ (\%)$$

$$R = \frac{\tau_{av}}{G_0} \text{ (Note } \tau_{av} \text{ and } G_0 \text{ same units)}$$

$$\alpha = 0.0389 \cdot \left(\frac{\sigma_v}{p_a}\right) + 0.124$$

$$b = 6400 \cdot \left(\frac{\sigma_v}{p_a}\right)$$

Estimate volumetric strain in 15 cycles

$$\varepsilon_{vol(15)} = \gamma \cdot \left[\frac{(N_1)_{60,cs}}{20}\right]^{-1.20}$$

$$(N_1)_{60,cs} = \frac{Q_{tn,cs}}{8.5 \cdot \left[1 - \frac{I_c}{4.6}\right]}$$

Volumetric strain in design earthquake

$$\Sigma_{vol} = \varepsilon_{vol(15)} \cdot \left[\frac{N_c}{15}\right]^{0.45}$$

$$N_c = (M - 4)^{2.17}$$

Seismic settlement, s

$$s = 2 \cdot \int_0^{GWT} \Sigma_{vol} \cdot dz$$

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 methology developed by Iwasaki (1982) and is adopted by AFPS.

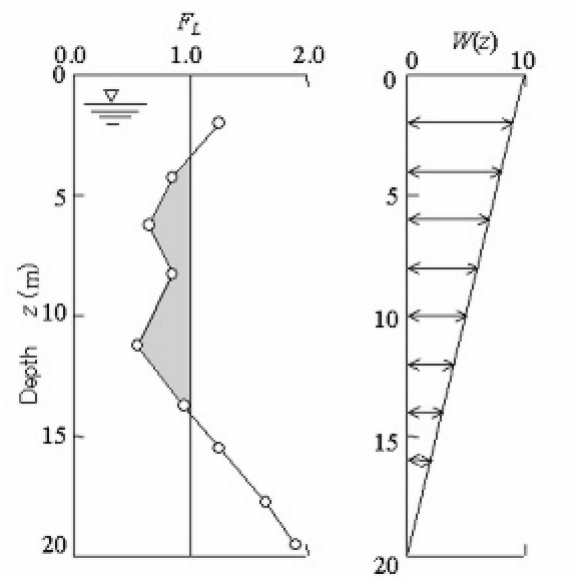
To estimate the severity of liquefaction extent at a given site, LPI is calculated based on the following equation:

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

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 <= 5 : Liquefaction risk is low
- 5 < LPI <= 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):

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

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).

References

- Lunne, T., Robertson, P.K., and Powell, J.J.M 1997. Cone penetration testing in geotechnical practice, E & FN Spon Routledge, 352 p, ISBN 0-7514-0393-8.

- Boulanger, R.W. and Idriss, I. M., 2007. Evaluation of Cyclic Softening in Silts and Clays. ASCE Journal of Geotechnical and Geoenvironmental Engineering June, Vol. 133, No. 6 pp 641-652

- Boulanger, R.W. and Idriss, I. M., 2014. CPT AND SPT BASED LIQUEFACTION TRIGGERING PROCEDURES. DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING COLLEGE OF ENGINEERING UNIVERSITY OF CALIFORNIA AT DAVIS

- Robertson, P.K. and Cabal, K.L., 2007, Guide to Cone Penetration Testing for Geotechnical Engineering. Available at no cost at http://www.geologismiki.gr/

- Robertson, P.K. 1990. Soil classification using the cone penetration test. Canadian Geotechnical Journal, 27 (1), 151-8.

- Robertson, P.K. and Wride, C.E., 1998. Cyclic Liquefaction and its Evaluation based on the CPT Canadian Geotechnical Journal, 1998, Vol. 35, August.

- Youd, T.L., Idriss, I.M., Andrus, R.D., Arango, I., Castro, G., Christian, J.T., Dobry, R., Finn, W.D.L., Harder, L.F., Hynes, M.E., Ishihara, K., Koester, J., Liao, S., Marcuson III, W.F., Martin, G.R., Mitchell, J.K., Moriwaki, Y., Power, M.S., Robertson, P.K., Seed, R., and Stokoe, K.H., Liquefaction Resistance of Soils: Summary Report from the 1996 NCEER and 1998 NCEER/NSF Workshop on Evaluation of Liquefaction Resistance of Soils, ASCE, Journal of Geotechnical & Geoenvironmental Engineering, Vol. 127, October, pp 817-833

- Zhang, G., Robertson. P.K., Brachman, R., 2002, Estimating Liquefaction Induced Ground Settlements from the CPT, Canadian Geotechnical Journal, 39: pp 1168-1180

- Zhang, G., Robertson. P.K., Brachman, R., 2004, Estimating Liquefaction Induced Lateral Displacements using the SPT and CPT, ASCE, Journal of Geotechnical & Geoenvironmental Engineering, Vol. 130, No. 8, 861-871

- Pradel, D., 1998, Procedure to Evaluate Earthquake-Induced Settlements in Dry Sandy Soils, ASCE, Journal of Geotechnical & Geoenvironmental Engineering, Vol. 124, No. 4, 364-368

- Iwasaki, T., 1986, Soil liquefaction studies in Japan: state-of-the-art, Soil Dynamics and Earthquake Engineering, Vol. 5, No. 1, 2-70

- Papathanassiou G., 2008, LPI-based approach for calibrating the severity of liquefaction-induced failures and for assessing the probability of liquefaction surface evidence, Eng. Geol. 96:94–104

- P.K. Robertson, 2009, Interpretation of Cone Penetration Tests - a unified approach., Canadian Geotechnical Journal, Vol. 46, No. 11, pp 1337-1355

- 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

- 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

- R. E. S. Moss, R. B. Seed, R. E. Kayen, J. P. Stewart, A. Der Kiureghian, K. O. Cetin, CPT-Based Probabilistic and Deterministic Assessment of In Situ Seismic Soil Liquefaction Potential, Journal of Geotechnical and Geoenvironmental Engineering, Vol. 132, No. 8, August 1, 2006

- I. M. Idriss and R. W. Boulanger, 2008. Soil liquefaction during earthquakes, Earthquake Engineering Research Institute MNO-12

- Jonathan D. Bray & Jorge Macedo, Department of Civil & Environmental Engineering, Univ. of California, Berkeley, CA, USA, Simplified procedure for estimating liquefaction-induced building settlement, *Proceedings of the 19th International Conference on Soil Mechanics and Geotechnical Engineering, Seoul 201*

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Geologo
Dott. Aldo Antoniazzi
STUDIO DI GEOLOGIA TECNICA E AMBIENTALE

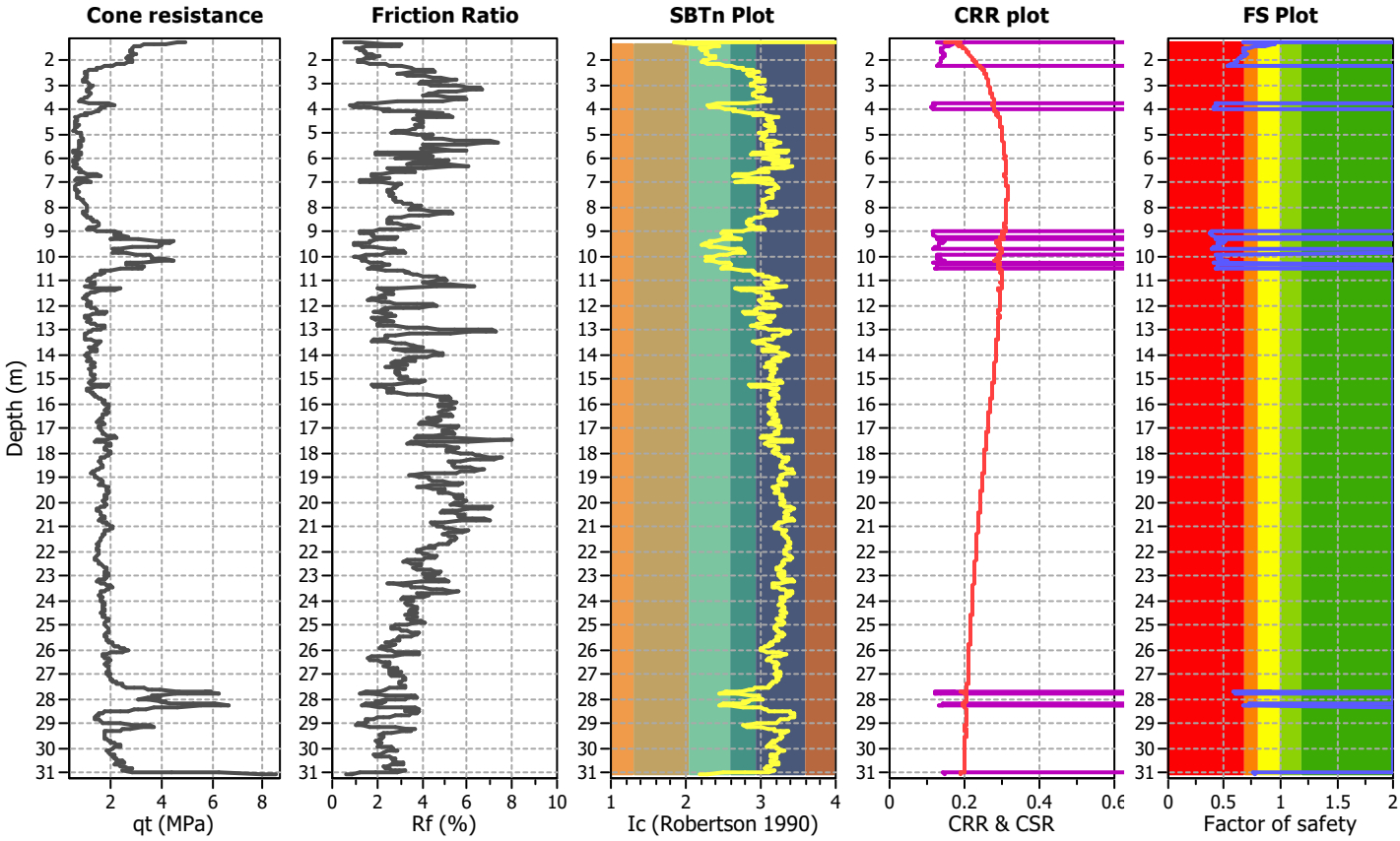
LIQUEFACTION ANALYSIS REPORT

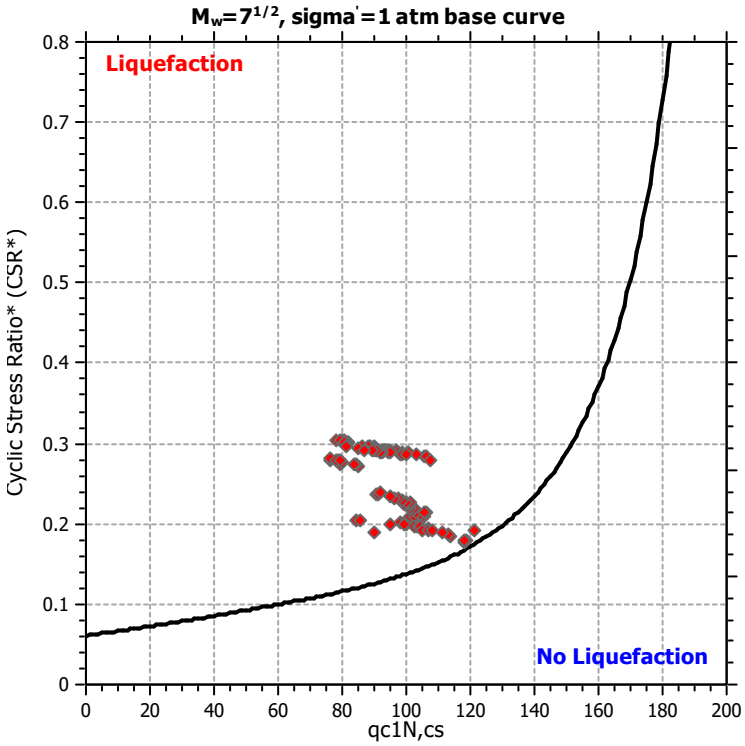
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,24**

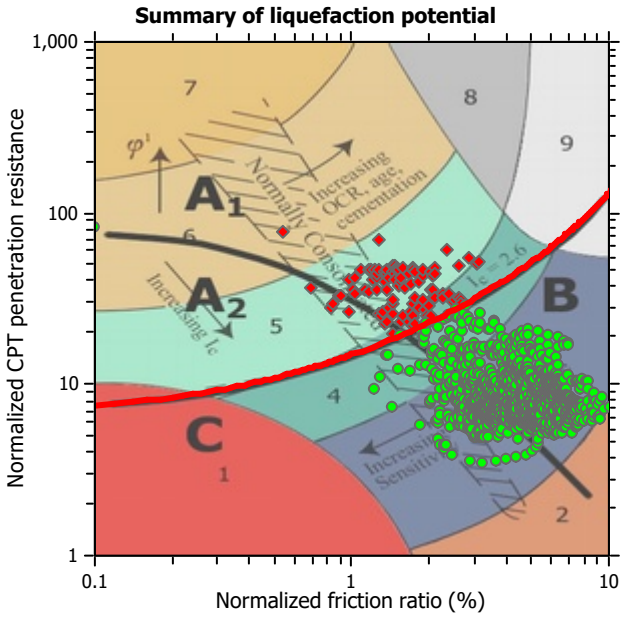
CPT file : 039017P66CPTU67

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.24	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

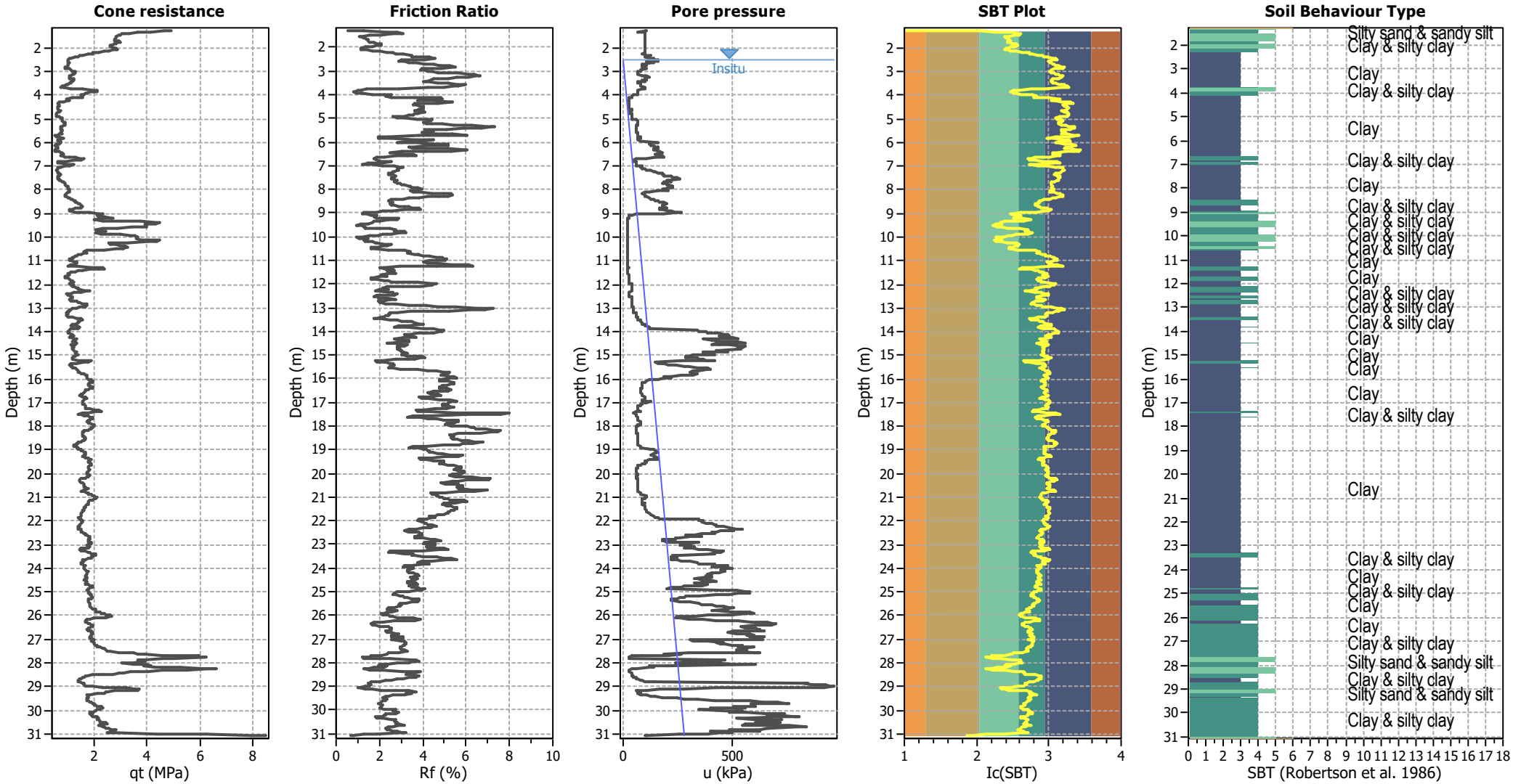






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



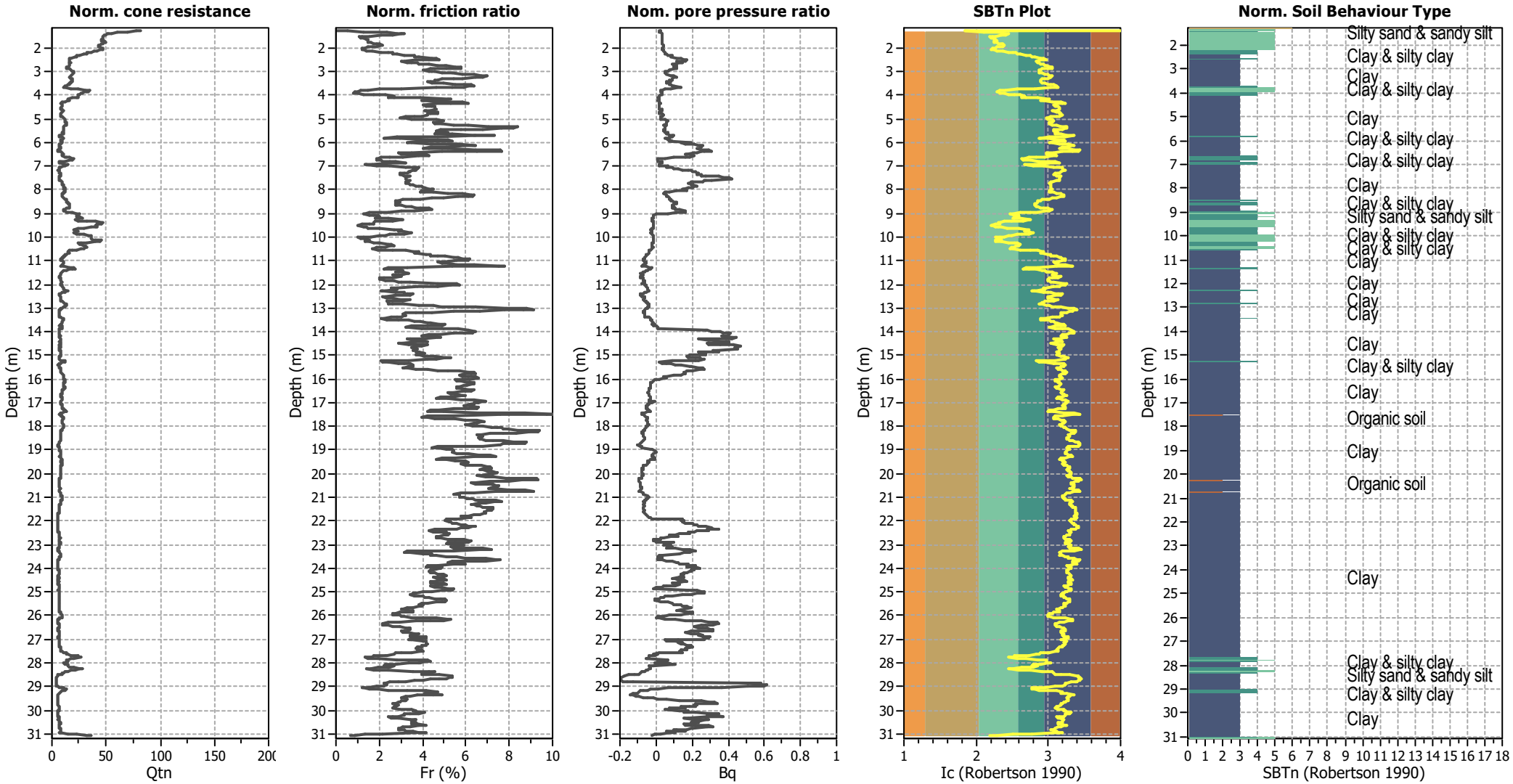
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



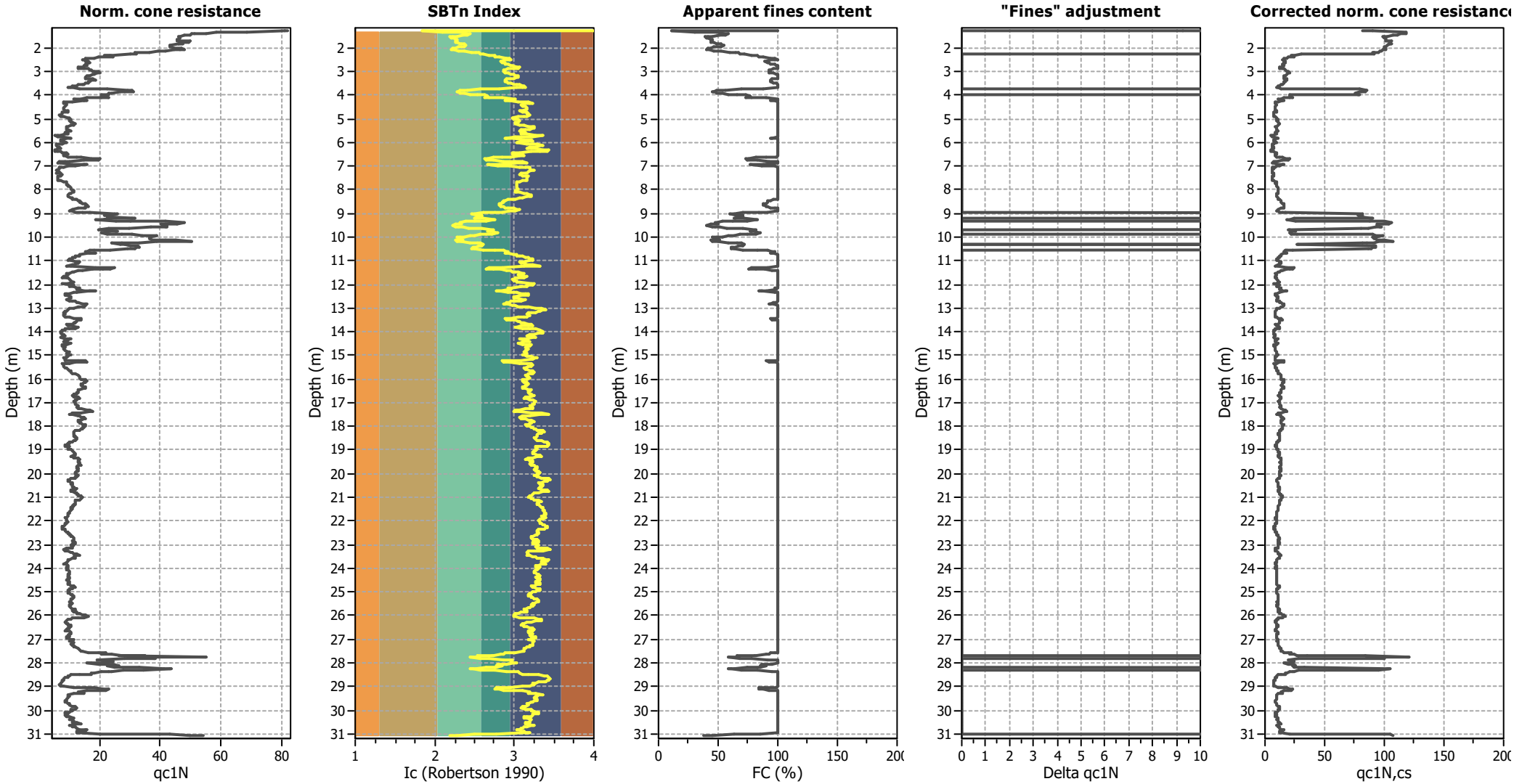
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

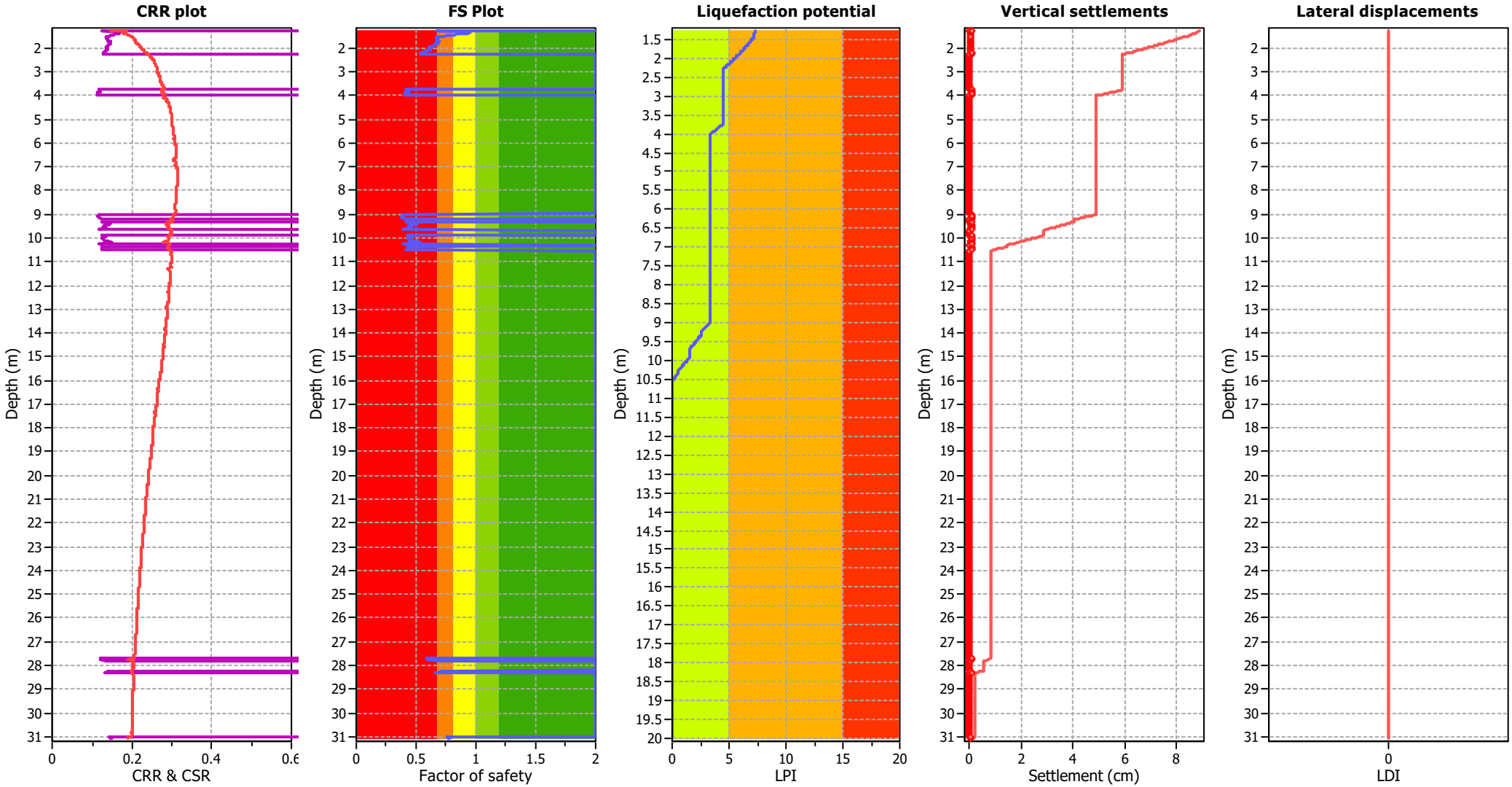
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

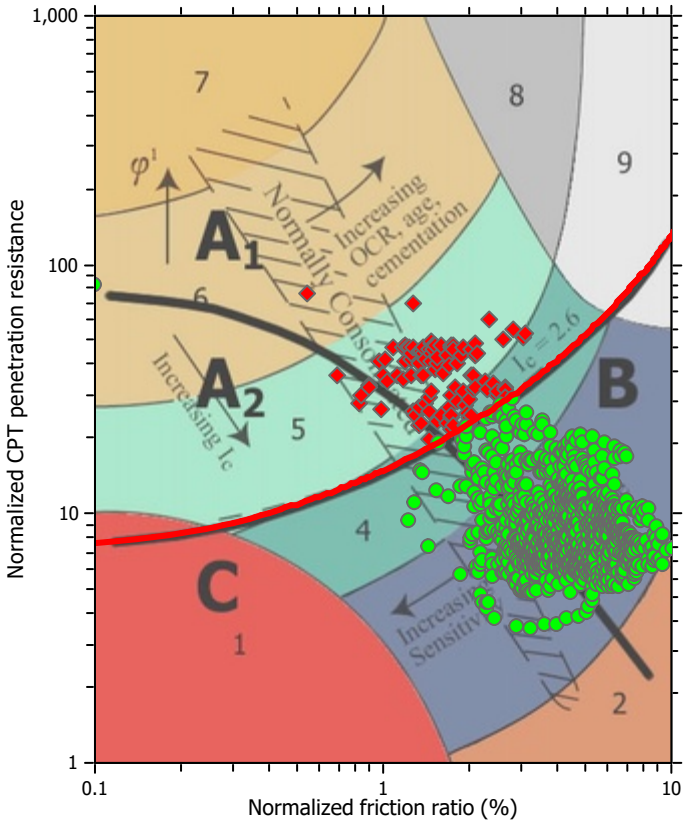
F.S. color scheme

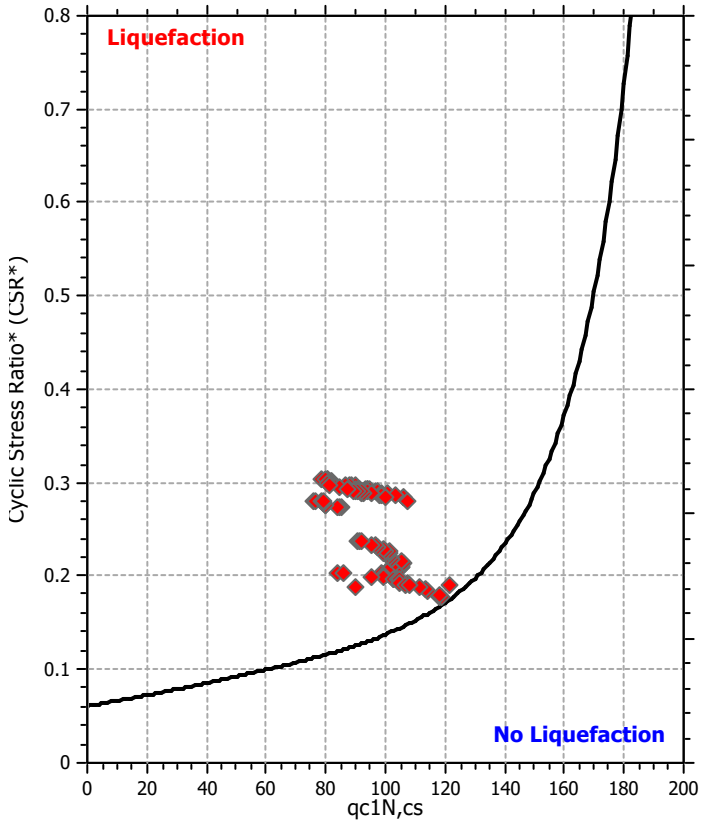
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

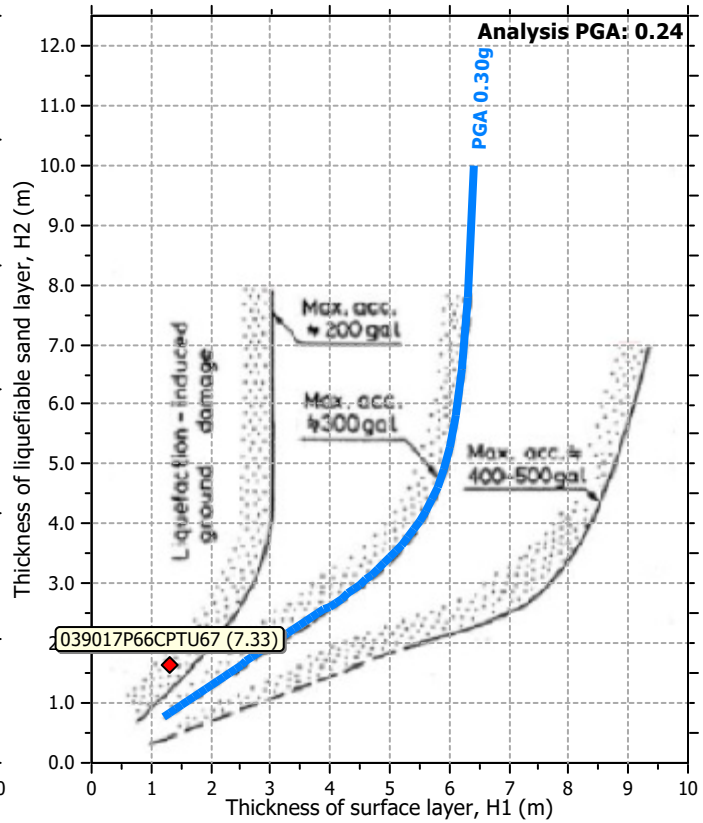
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



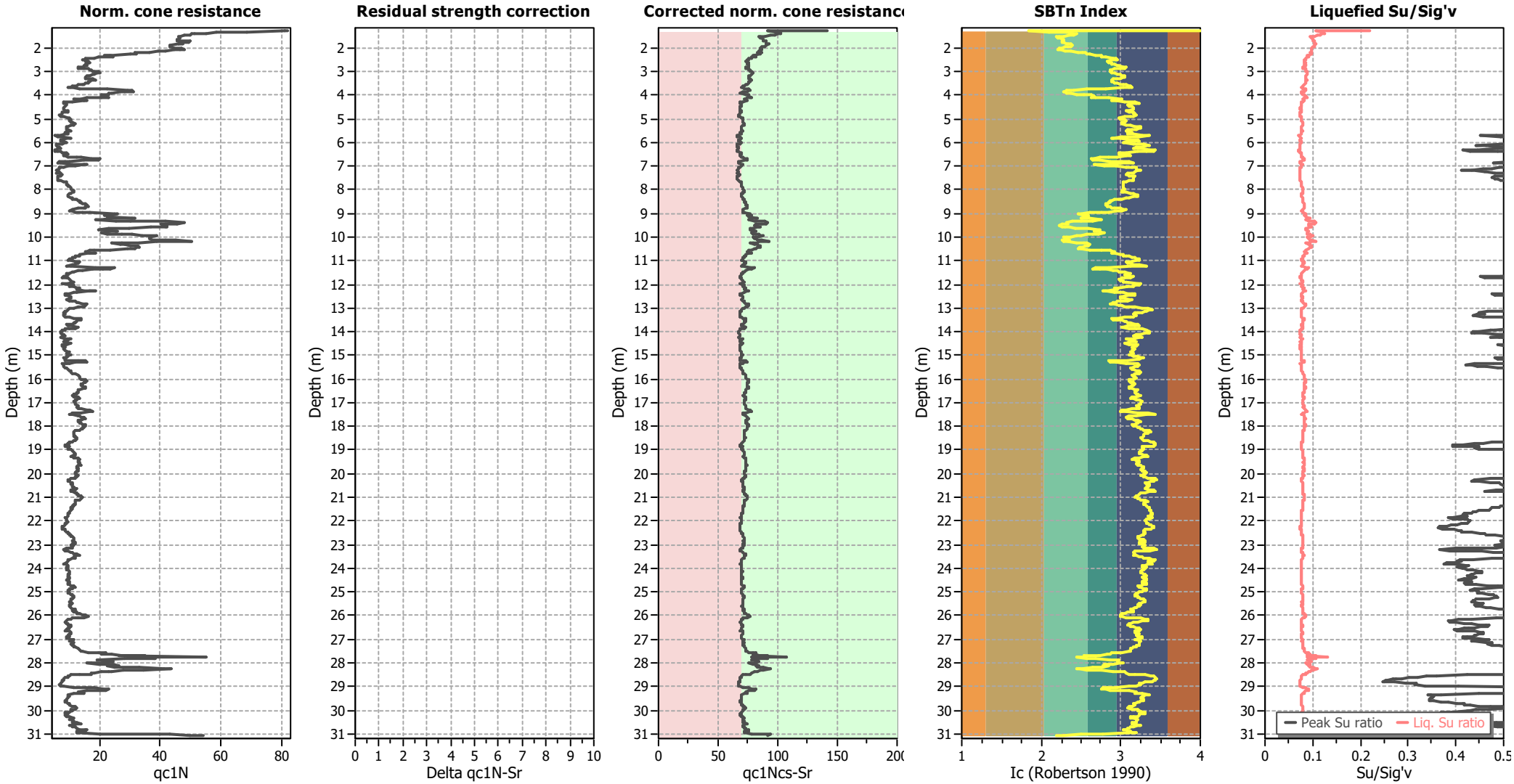




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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}
1.27	2.00	0.00	0.00	0.03	0.00	1.30	0.67	0.33	0.80	0.03	0.08
1.32	0.95	0.00	0.00	0.02	0.01	1.35	0.95	0.00	0.00	0.03	0.01
1.38	0.92	0.00	0.00	0.02	0.02	1.40	0.86	0.00	0.00	0.02	0.03
1.43	0.84	0.00	0.00	0.03	0.04	1.45	0.82	0.18	1.93	0.02	0.04
1.48	0.76	0.24	1.29	0.03	0.05	1.50	0.72	0.28	1.00	0.02	0.07
1.52	0.69	0.31	0.87	0.02	0.07	1.55	0.67	0.33	0.80	0.03	0.08
1.57	0.67	0.33	0.82	0.02	0.08	1.60	0.68	0.32	0.83	0.03	0.07
1.63	0.68	0.32	0.83	0.02	0.07	1.65	0.67	0.33	0.81	0.02	0.08
1.68	0.67	0.33	0.81	0.03	0.08	1.70	0.67	0.33	0.81	0.02	0.08
1.73	0.70	0.30	0.90	0.03	0.07	1.75	0.69	0.31	0.87	0.02	0.07
1.77	0.68	0.32	0.83	0.02	0.07	1.80	0.66	0.34	0.79	0.03	0.08
1.82	0.68	0.32	0.86	0.02	0.07	1.85	0.67	0.33	0.82	0.03	0.07
1.88	0.64	0.36	0.73	0.02	0.08	1.90	0.64	0.36	0.72	0.02	0.08
1.93	0.63	0.37	0.70	0.03	0.08	1.95	0.62	0.38	0.68	0.02	0.08
1.98	0.61	0.39	0.66	0.03	0.09	2.00	0.61	0.39	0.65	0.02	0.09
2.02	0.62	0.38	0.67	0.02	0.09	2.05	0.62	0.38	0.66	0.02	0.09
2.08	0.60	0.40	0.64	0.03	0.09	2.10	0.59	0.41	0.62	0.02	0.09
2.13	0.58	0.42	0.59	0.02	0.09	2.15	0.57	0.43	0.58	0.02	0.10
2.17	0.56	0.44	0.56	0.02	0.10	2.20	0.53	0.47	0.52	0.03	0.10
2.23	0.54	0.46	0.52	0.02	0.10	2.25	0.54	0.46	0.52	0.02	0.10
2.27	2.00	0.00	0.00	0.02	0.00	2.30	2.00	0.00	0.00	0.02	0.00
2.33	2.00	0.00	0.00	0.03	0.00	2.35	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	2.45	2.00	0.00	0.00	0.03	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	2.55	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.03	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.63	2.00	0.00	0.00	0.02	0.00	2.65	2.00	0.00	0.00	0.02	0.00
2.67	2.00	0.00	0.00	0.02	0.00	2.70	2.00	0.00	0.00	0.03	0.00
2.73	2.00	0.00	0.00	0.02	0.00	2.75	2.00	0.00	0.00	0.02	0.00
2.77	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.83	2.00	0.00	0.00	0.03	0.00	2.85	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	2.95	2.00	0.00	0.00	0.03	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	3.05	2.00	0.00	0.00	0.02	0.00
3.08	2.00	0.00	0.00	0.03	0.00	3.10	2.00	0.00	0.00	0.02	0.00
3.13	2.00	0.00	0.00	0.02	0.00	3.15	2.00	0.00	0.00	0.02	0.00
3.17	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.03	0.00
3.23	2.00	0.00	0.00	0.02	0.00	3.25	2.00	0.00	0.00	0.02	0.00
3.27	2.00	0.00	0.00	0.02	0.00	3.30	2.00	0.00	0.00	0.02	0.00
3.33	2.00	0.00	0.00	0.03	0.00	3.35	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	3.45	2.00	0.00	0.00	0.03	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	3.55	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.03	0.00	3.60	2.00	0.00	0.00	0.02	0.00
3.63	2.00	0.00	0.00	0.02	0.00	3.65	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}
3.67	2.00	0.00	0.00	0.02	0.00	3.70	2.00	0.00	0.00	0.03	0.00
3.73	2.00	0.00	0.00	0.02	0.00	3.75	0.42	0.58	0.40	0.02	0.12
3.77	0.44	0.56	0.42	0.02	0.11	3.80	0.44	0.56	0.42	0.02	0.11
3.83	0.44	0.56	0.41	0.03	0.11	3.85	0.42	0.58	0.40	0.02	0.12
3.88	0.41	0.59	0.40	0.02	0.12	3.90	0.40	0.60	0.39	0.02	0.12
3.92	0.40	0.60	0.39	0.02	0.12	3.95	0.41	0.59	0.39	0.03	0.12
3.98	0.41	0.59	0.39	0.02	0.12	4.00	2.00	0.00	0.00	0.02	0.00
4.03	2.00	0.00	0.00	0.03	0.00	4.05	2.00	0.00	0.00	0.02	0.00
4.08	2.00	0.00	0.00	0.03	0.00	4.10	2.00	0.00	0.00	0.02	0.00
4.13	2.00	0.00	0.00	0.03	0.00	4.15	2.00	0.00	0.00	0.03	0.00
4.17	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.03	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.25	2.00	0.00	0.00	0.03	0.00
4.28	2.00	0.00	0.00	0.03	0.00	4.30	2.00	0.00	0.00	0.02	0.00
4.33	2.00	0.00	0.00	0.03	0.00	4.35	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.03	0.00	4.40	2.00	0.00	0.00	0.03	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.45	2.00	0.00	0.00	0.03	0.00
4.47	2.00	0.00	0.00	0.02	0.00	4.50	2.00	0.00	0.00	0.03	0.00
4.53	2.00	0.00	0.00	0.03	0.00	4.55	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.03	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.63	2.00	0.00	0.00	0.03	0.00	4.65	2.00	0.00	0.00	0.03	0.00
4.67	2.00	0.00	0.00	0.02	0.00	4.70	2.00	0.00	0.00	0.03	0.00
4.72	2.00	0.00	0.00	0.02	0.00	4.75	2.00	0.00	0.00	0.03	0.00
4.78	2.00	0.00	0.00	0.03	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.83	2.00	0.00	0.00	0.03	0.00	4.85	2.00	0.00	0.00	0.02	0.00
4.88	2.00	0.00	0.00	0.03	0.00	4.90	2.00	0.00	0.00	0.03	0.00
4.92	2.00	0.00	0.00	0.02	0.00	4.95	2.00	0.00	0.00	0.03	0.00
4.97	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.03	0.00
5.03	2.00	0.00	0.00	0.03	0.00	5.05	2.00	0.00	0.00	0.02	0.00
5.08	2.00	0.00	0.00	0.03	0.00	5.10	2.00	0.00	0.00	0.02	0.00
5.13	2.00	0.00	0.00	0.03	0.00	5.15	2.00	0.00	0.00	0.03	0.00
5.17	2.00	0.00	0.00	0.02	0.00	5.20	2.00	0.00	0.00	0.03	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.25	2.00	0.00	0.00	0.03	0.00
5.28	2.00	0.00	0.00	0.03	0.00	5.30	2.00	0.00	0.00	0.02	0.00
5.33	2.00	0.00	0.00	0.03	0.00	5.35	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.03	0.00	5.40	2.00	0.00	0.00	0.03	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.45	2.00	0.00	0.00	0.03	0.00
5.47	2.00	0.00	0.00	0.02	0.00	5.50	2.00	0.00	0.00	0.03	0.00
5.53	2.00	0.00	0.00	0.03	0.00	5.55	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.03	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.63	2.00	0.00	0.00	0.03	0.00	5.65	2.00	0.00	0.00	0.03	0.00
5.67	2.00	0.00	0.00	0.02	0.00	5.70	2.00	0.00	0.00	0.03	0.00
5.72	2.00	0.00	0.00	0.02	0.00	5.75	2.00	0.00	0.00	0.03	0.00
5.78	2.00	0.00	0.00	0.03	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.83	2.00	0.00	0.00	0.03	0.00	5.85	2.00	0.00	0.00	0.02	0.00
5.88	2.00	0.00	0.00	0.03	0.00	5.90	2.00	0.00	0.00	0.03	0.00
5.92	2.00	0.00	0.00	0.02	0.00	5.95	2.00	0.00	0.00	0.03	0.00
5.97	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.03	0.00
6.03	2.00	0.00	0.00	0.03	0.00	6.05	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}
6.08	2.00	0.00	0.00	0.03	0.00	6.10	2.00	0.00	0.00	0.02	0.00
6.13	2.00	0.00	0.00	0.03	0.00	6.15	2.00	0.00	0.00	0.03	0.00
6.17	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.03	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.25	2.00	0.00	0.00	0.03	0.00
6.28	2.00	0.00	0.00	0.03	0.00	6.30	2.00	0.00	0.00	0.02	0.00
6.33	2.00	0.00	0.00	0.03	0.00	6.35	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.03	0.00	6.40	2.00	0.00	0.00	0.03	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.45	2.00	0.00	0.00	0.03	0.00
6.47	2.00	0.00	0.00	0.02	0.00	6.50	2.00	0.00	0.00	0.03	0.00
6.53	2.00	0.00	0.00	0.03	0.00	6.55	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.03	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.63	2.00	0.00	0.00	0.03	0.00	6.65	2.00	0.00	0.00	0.03	0.00
6.67	2.00	0.00	0.00	0.02	0.00	6.70	2.00	0.00	0.00	0.03	0.00
6.72	2.00	0.00	0.00	0.02	0.00	6.75	2.00	0.00	0.00	0.03	0.00
6.78	2.00	0.00	0.00	0.03	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.83	2.00	0.00	0.00	0.03	0.00	6.85	2.00	0.00	0.00	0.02	0.00
6.88	2.00	0.00	0.00	0.03	0.00	6.90	2.00	0.00	0.00	0.03	0.00
6.92	2.00	0.00	0.00	0.02	0.00	6.95	2.00	0.00	0.00	0.03	0.00
6.97	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.03	0.00
7.03	2.00	0.00	0.00	0.03	0.00	7.05	2.00	0.00	0.00	0.02	0.00
7.08	2.00	0.00	0.00	0.03	0.00	7.10	2.00	0.00	0.00	0.02	0.00
7.13	2.00	0.00	0.00	0.03	0.00	7.15	2.00	0.00	0.00	0.03	0.00
7.17	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.03	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.25	2.00	0.00	0.00	0.03	0.00
7.28	2.00	0.00	0.00	0.03	0.00	7.30	2.00	0.00	0.00	0.02	0.00
7.33	2.00	0.00	0.00	0.03	0.00	7.35	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.03	0.00	7.40	2.00	0.00	0.00	0.03	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.45	2.00	0.00	0.00	0.03	0.00
7.47	2.00	0.00	0.00	0.02	0.00	7.50	2.00	0.00	0.00	0.03	0.00
7.53	2.00	0.00	0.00	0.03	0.00	7.55	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.03	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.63	2.00	0.00	0.00	0.03	0.00	7.65	2.00	0.00	0.00	0.03	0.00
7.67	2.00	0.00	0.00	0.02	0.00	7.70	2.00	0.00	0.00	0.03	0.00
7.72	2.00	0.00	0.00	0.02	0.00	7.75	2.00	0.00	0.00	0.03	0.00
7.78	2.00	0.00	0.00	0.03	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.83	2.00	0.00	0.00	0.03	0.00	7.85	2.00	0.00	0.00	0.02	0.00
7.88	2.00	0.00	0.00	0.03	0.00	7.90	2.00	0.00	0.00	0.03	0.00
7.92	2.00	0.00	0.00	0.02	0.00	7.95	2.00	0.00	0.00	0.03	0.00
7.97	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.03	0.00
8.03	2.00	0.00	0.00	0.03	0.00	8.05	2.00	0.00	0.00	0.03	0.00
8.07	2.00	0.00	0.00	0.02	0.00	8.10	2.00	0.00	0.00	0.03	0.00
8.13	2.00	0.00	0.00	0.03	0.00	8.15	2.00	0.00	0.00	0.03	0.00
8.18	2.00	0.00	0.00	0.03	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.03	0.00	8.25	2.00	0.00	0.00	0.03	0.00
8.28	2.00	0.00	0.00	0.03	0.00	8.30	2.00	0.00	0.00	0.03	0.00
8.32	2.00	0.00	0.00	0.02	0.00	8.35	2.00	0.00	0.00	0.03	0.00
8.38	2.00	0.00	0.00	0.03	0.00	8.40	2.00	0.00	0.00	0.03	0.00
8.43	2.00	0.00	0.00	0.03	0.00	8.45	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}
8.47	2.00	0.00	0.00	0.03	0.00	8.50	2.00	0.00	0.00	0.03	0.00
8.53	2.00	0.00	0.00	0.03	0.00	8.55	2.00	0.00	0.00	0.03	0.00
8.57	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.03	0.00
8.63	2.00	0.00	0.00	0.03	0.00	8.65	2.00	0.00	0.00	0.03	0.00
8.68	2.00	0.00	0.00	0.03	0.00	8.70	2.00	0.00	0.00	0.02	0.00
8.72	2.00	0.00	0.00	0.03	0.00	8.75	2.00	0.00	0.00	0.03	0.00
8.78	2.00	0.00	0.00	0.03	0.00	8.80	2.00	0.00	0.00	0.03	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.85	2.00	0.00	0.00	0.03	0.00
8.88	2.00	0.00	0.00	0.03	0.00	8.90	2.00	0.00	0.00	0.03	0.00
8.93	2.00	0.00	0.00	0.03	0.00	8.95	2.00	0.00	0.00	0.02	0.00
8.97	2.00	0.00	0.00	0.03	0.00	9.00	0.39	0.61	0.38	0.03	0.08
9.03	0.39	0.61	0.38	0.03	0.08	9.05	0.38	0.62	0.37	0.03	0.08
9.07	0.38	0.62	0.37	0.02	0.09	9.10	0.39	0.61	0.38	0.03	0.08
9.13	0.38	0.62	0.37	0.03	0.08	9.15	0.38	0.62	0.37	0.03	0.08
9.18	0.42	0.58	0.40	0.03	0.08	9.20	0.42	0.58	0.41	0.02	0.08
9.22	2.00	0.00	0.00	0.03	0.00	9.25	2.00	0.00	0.00	0.03	0.00
9.28	2.00	0.00	0.00	0.03	0.00	9.30	2.00	0.00	0.00	0.03	0.00
9.32	0.42	0.58	0.40	0.02	0.08	9.35	0.48	0.52	0.45	0.03	0.07
9.38	0.51	0.49	0.49	0.03	0.06	9.40	0.51	0.49	0.50	0.03	0.06
9.43	0.50	0.50	0.47	0.03	0.07	9.45	0.47	0.53	0.44	0.02	0.07
9.47	0.45	0.55	0.42	0.03	0.07	9.50	0.44	0.56	0.42	0.03	0.07
9.53	0.45	0.55	0.43	0.03	0.07	9.55	0.46	0.54	0.44	0.03	0.07
9.57	0.46	0.54	0.44	0.02	0.07	9.60	0.44	0.56	0.42	0.03	0.07
9.63	0.41	0.59	0.39	0.03	0.08	9.65	0.39	0.61	0.38	0.03	0.08
9.68	2.00	0.00	0.00	0.03	0.00	9.70	2.00	0.00	0.00	0.02	0.00
9.72	2.00	0.00	0.00	0.03	0.00	9.75	2.00	0.00	0.00	0.03	0.00
9.78	2.00	0.00	0.00	0.03	0.00	9.80	2.00	0.00	0.00	0.03	0.00
9.82	2.00	0.00	0.00	0.02	0.00	9.85	2.00	0.00	0.00	0.03	0.00
9.88	2.00	0.00	0.00	0.03	0.00	9.90	0.43	0.57	0.41	0.03	0.07
9.93	0.44	0.56	0.42	0.03	0.07	9.95	0.47	0.53	0.45	0.02	0.07
9.97	0.44	0.56	0.42	0.03	0.07	10.00	0.44	0.56	0.42	0.03	0.07
10.03	0.43	0.57	0.41	0.03	0.07	10.05	0.43	0.57	0.41	0.03	0.07
10.07	0.44	0.56	0.42	0.02	0.07	10.10	0.45	0.55	0.43	0.03	0.07
10.13	0.47	0.53	0.45	0.03	0.07	10.15	0.48	0.52	0.46	0.03	0.06
10.18	0.53	0.47	0.52	0.03	0.06	10.20	0.46	0.54	0.43	0.02	0.07
10.22	0.44	0.56	0.41	0.03	0.07	10.25	0.41	0.59	0.39	0.03	0.07
10.28	0.40	0.60	0.38	0.03	0.07	10.30	2.00	0.00	0.00	0.03	0.00
10.32	2.00	0.00	0.00	0.02	0.00	10.35	0.43	0.57	0.41	0.03	0.07
10.38	0.44	0.56	0.42	0.03	0.07	10.40	0.44	0.56	0.42	0.03	0.07
10.43	0.44	0.56	0.42	0.03	0.07	10.45	0.43	0.57	0.41	0.02	0.07
10.47	0.43	0.57	0.41	0.03	0.07	10.50	0.42	0.58	0.40	0.03	0.07
10.53	2.00	0.00	0.00	0.03	0.00	10.55	2.00	0.00	0.00	0.03	0.00
10.57	2.00	0.00	0.00	0.02	0.00	10.60	2.00	0.00	0.00	0.03	0.00
10.63	2.00	0.00	0.00	0.03	0.00	10.65	2.00	0.00	0.00	0.03	0.00
10.68	2.00	0.00	0.00	0.03	0.00	10.70	2.00	0.00	0.00	0.02	0.00
10.72	2.00	0.00	0.00	0.03	0.00	10.75	2.00	0.00	0.00	0.03	0.00
10.78	2.00	0.00	0.00	0.03	0.00	10.80	2.00	0.00	0.00	0.03	0.00
10.82	2.00	0.00	0.00	0.02	0.00	10.85	2.00	0.00	0.00	0.03	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}
10.88	2.00	0.00	0.00	0.03	0.00	10.90	2.00	0.00	0.00	0.03	0.00
10.93	2.00	0.00	0.00	0.03	0.00	10.95	2.00	0.00	0.00	0.02	0.00
10.97	2.00	0.00	0.00	0.03	0.00	11.00	2.00	0.00	0.00	0.03	0.00
11.03	2.00	0.00	0.00	0.03	0.00	11.05	2.00	0.00	0.00	0.03	0.00
11.07	2.00	0.00	0.00	0.02	0.00	11.10	2.00	0.00	0.00	0.03	0.00
11.13	2.00	0.00	0.00	0.03	0.00	11.15	2.00	0.00	0.00	0.03	0.00
11.18	2.00	0.00	0.00	0.03	0.00	11.20	2.00	0.00	0.00	0.02	0.00
11.22	2.00	0.00	0.00	0.03	0.00	11.25	2.00	0.00	0.00	0.03	0.00
11.28	2.00	0.00	0.00	0.03	0.00	11.30	2.00	0.00	0.00	0.03	0.00
11.32	2.00	0.00	0.00	0.02	0.00	11.35	2.00	0.00	0.00	0.03	0.00
11.38	2.00	0.00	0.00	0.03	0.00	11.40	2.00	0.00	0.00	0.03	0.00
11.43	2.00	0.00	0.00	0.03	0.00	11.45	2.00	0.00	0.00	0.02	0.00
11.47	2.00	0.00	0.00	0.03	0.00	11.50	2.00	0.00	0.00	0.03	0.00
11.53	2.00	0.00	0.00	0.03	0.00	11.55	2.00	0.00	0.00	0.03	0.00
11.57	2.00	0.00	0.00	0.02	0.00	11.60	2.00	0.00	0.00	0.03	0.00
11.63	2.00	0.00	0.00	0.03	0.00	11.65	2.00	0.00	0.00	0.03	0.00
11.68	2.00	0.00	0.00	0.03	0.00	11.70	2.00	0.00	0.00	0.02	0.00
11.72	2.00	0.00	0.00	0.03	0.00	11.75	2.00	0.00	0.00	0.03	0.00
11.78	2.00	0.00	0.00	0.03	0.00	11.80	2.00	0.00	0.00	0.03	0.00
11.82	2.00	0.00	0.00	0.02	0.00	11.85	2.00	0.00	0.00	0.03	0.00
11.88	2.00	0.00	0.00	0.03	0.00	11.90	2.00	0.00	0.00	0.03	0.00
11.93	2.00	0.00	0.00	0.03	0.00	11.95	2.00	0.00	0.00	0.02	0.00
11.97	2.00	0.00	0.00	0.03	0.00	12.00	2.00	0.00	0.00	0.03	0.00
12.03	2.00	0.00	0.00	0.03	0.00	12.05	2.00	0.00	0.00	0.03	0.00
12.07	2.00	0.00	0.00	0.02	0.00	12.10	2.00	0.00	0.00	0.03	0.00
12.13	2.00	0.00	0.00	0.03	0.00	12.15	2.00	0.00	0.00	0.03	0.00
12.18	2.00	0.00	0.00	0.03	0.00	12.20	2.00	0.00	0.00	0.02	0.00
12.22	2.00	0.00	0.00	0.03	0.00	12.25	2.00	0.00	0.00	0.03	0.00
12.28	2.00	0.00	0.00	0.03	0.00	12.30	2.00	0.00	0.00	0.03	0.00
12.32	2.00	0.00	0.00	0.02	0.00	12.35	2.00	0.00	0.00	0.03	0.00
12.38	2.00	0.00	0.00	0.03	0.00	12.40	2.00	0.00	0.00	0.03	0.00
12.43	2.00	0.00	0.00	0.03	0.00	12.45	2.00	0.00	0.00	0.02	0.00
12.47	2.00	0.00	0.00	0.03	0.00	12.50	2.00	0.00	0.00	0.03	0.00
12.53	2.00	0.00	0.00	0.03	0.00	12.55	2.00	0.00	0.00	0.03	0.00
12.57	2.00	0.00	0.00	0.02	0.00	12.60	2.00	0.00	0.00	0.03	0.00
12.63	2.00	0.00	0.00	0.03	0.00	12.65	2.00	0.00	0.00	0.03	0.00
12.68	2.00	0.00	0.00	0.03	0.00	12.70	2.00	0.00	0.00	0.02	0.00
12.72	2.00	0.00	0.00	0.03	0.00	12.75	2.00	0.00	0.00	0.03	0.00
12.78	2.00	0.00	0.00	0.03	0.00	12.80	2.00	0.00	0.00	0.03	0.00
12.82	2.00	0.00	0.00	0.02	0.00	12.85	2.00	0.00	0.00	0.03	0.00
12.88	2.00	0.00	0.00	0.03	0.00	12.90	2.00	0.00	0.00	0.03	0.00
12.93	2.00	0.00	0.00	0.03	0.00	12.95	2.00	0.00	0.00	0.02	0.00
12.97	2.00	0.00	0.00	0.03	0.00	13.00	2.00	0.00	0.00	0.03	0.00
13.03	2.00	0.00	0.00	0.03	0.00	13.05	2.00	0.00	0.00	0.03	0.00
13.07	2.00	0.00	0.00	0.02	0.00	13.10	2.00	0.00	0.00	0.03	0.00
13.13	2.00	0.00	0.00	0.03	0.00	13.15	2.00	0.00	0.00	0.03	0.00
13.18	2.00	0.00	0.00	0.03	0.00	13.20	2.00	0.00	0.00	0.02	0.00
13.22	2.00	0.00	0.00	0.03	0.00	13.25	2.00	0.00	0.00	0.03	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}
13.28	2.00	0.00	0.00	0.03	0.00	13.30	2.00	0.00	0.00	0.03	0.00
13.32	2.00	0.00	0.00	0.02	0.00	13.35	2.00	0.00	0.00	0.03	0.00
13.38	2.00	0.00	0.00	0.03	0.00	13.40	2.00	0.00	0.00	0.03	0.00
13.43	2.00	0.00	0.00	0.03	0.00	13.45	2.00	0.00	0.00	0.02	0.00
13.47	2.00	0.00	0.00	0.03	0.00	13.50	2.00	0.00	0.00	0.03	0.00
13.53	2.00	0.00	0.00	0.03	0.00	13.55	2.00	0.00	0.00	0.03	0.00
13.57	2.00	0.00	0.00	0.02	0.00	13.60	2.00	0.00	0.00	0.03	0.00
13.63	2.00	0.00	0.00	0.03	0.00	13.65	2.00	0.00	0.00	0.03	0.00
13.68	2.00	0.00	0.00	0.03	0.00	13.70	2.00	0.00	0.00	0.02	0.00
13.72	2.00	0.00	0.00	0.03	0.00	13.75	2.00	0.00	0.00	0.03	0.00
13.78	2.00	0.00	0.00	0.03	0.00	13.80	2.00	0.00	0.00	0.03	0.00
13.82	2.00	0.00	0.00	0.02	0.00	13.85	2.00	0.00	0.00	0.03	0.00
13.88	2.00	0.00	0.00	0.03	0.00	13.90	2.00	0.00	0.00	0.03	0.00
13.93	2.00	0.00	0.00	0.03	0.00	13.95	2.00	0.00	0.00	0.02	0.00
13.97	2.00	0.00	0.00	0.03	0.00	14.00	2.00	0.00	0.00	0.03	0.00
14.03	2.00	0.00	0.00	0.03	0.00	14.05	2.00	0.00	0.00	0.03	0.00
14.07	2.00	0.00	0.00	0.02	0.00	14.10	2.00	0.00	0.00	0.03	0.00
14.13	2.00	0.00	0.00	0.03	0.00	14.15	2.00	0.00	0.00	0.03	0.00
14.18	2.00	0.00	0.00	0.03	0.00	14.20	2.00	0.00	0.00	0.02	0.00
14.22	2.00	0.00	0.00	0.03	0.00	14.25	2.00	0.00	0.00	0.03	0.00
14.28	2.00	0.00	0.00	0.03	0.00	14.30	2.00	0.00	0.00	0.03	0.00
14.32	2.00	0.00	0.00	0.02	0.00	14.35	2.00	0.00	0.00	0.03	0.00
14.38	2.00	0.00	0.00	0.03	0.00	14.40	2.00	0.00	0.00	0.03	0.00
14.43	2.00	0.00	0.00	0.03	0.00	14.45	2.00	0.00	0.00	0.02	0.00
14.47	2.00	0.00	0.00	0.03	0.00	14.50	2.00	0.00	0.00	0.03	0.00
14.53	2.00	0.00	0.00	0.03	0.00	14.55	2.00	0.00	0.00	0.03	0.00
14.57	2.00	0.00	0.00	0.02	0.00	14.60	2.00	0.00	0.00	0.03	0.00
14.63	2.00	0.00	0.00	0.03	0.00	14.65	2.00	0.00	0.00	0.03	0.00
14.68	2.00	0.00	0.00	0.03	0.00	14.70	2.00	0.00	0.00	0.02	0.00
14.72	2.00	0.00	0.00	0.03	0.00	14.75	2.00	0.00	0.00	0.03	0.00
14.78	2.00	0.00	0.00	0.03	0.00	14.80	2.00	0.00	0.00	0.03	0.00
14.82	2.00	0.00	0.00	0.02	0.00	14.85	2.00	0.00	0.00	0.03	0.00
14.88	2.00	0.00	0.00	0.03	0.00	14.90	2.00	0.00	0.00	0.03	0.00
14.93	2.00	0.00	0.00	0.03	0.00	14.95	2.00	0.00	0.00	0.02	0.00
14.97	2.00	0.00	0.00	0.03	0.00	15.00	2.00	0.00	0.00	0.03	0.00
15.03	2.00	0.00	0.00	0.03	0.00	15.05	2.00	0.00	0.00	0.03	0.00
15.07	2.00	0.00	0.00	0.02	0.00	15.10	2.00	0.00	0.00	0.03	0.00
15.13	2.00	0.00	0.00	0.03	0.00	15.15	2.00	0.00	0.00	0.03	0.00
15.18	2.00	0.00	0.00	0.03	0.00	15.20	2.00	0.00	0.00	0.02	0.00
15.22	2.00	0.00	0.00	0.03	0.00	15.25	2.00	0.00	0.00	0.03	0.00
15.28	2.00	0.00	0.00	0.03	0.00	15.30	2.00	0.00	0.00	0.03	0.00
15.32	2.00	0.00	0.00	0.02	0.00	15.35	2.00	0.00	0.00	0.03	0.00
15.38	2.00	0.00	0.00	0.03	0.00	15.40	2.00	0.00	0.00	0.03	0.00
15.43	2.00	0.00	0.00	0.03	0.00	15.45	2.00	0.00	0.00	0.02	0.00
15.47	2.00	0.00	0.00	0.03	0.00	15.50	2.00	0.00	0.00	0.03	0.00
15.53	2.00	0.00	0.00	0.03	0.00	15.55	2.00	0.00	0.00	0.03	0.00
15.57	2.00	0.00	0.00	0.02	0.00	15.60	2.00	0.00	0.00	0.03	0.00
15.63	2.00	0.00	0.00	0.03	0.00	15.65	2.00	0.00	0.00	0.03	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}
15.68	2.00	0.00	0.00	0.03	0.00	15.70	2.00	0.00	0.00	0.02	0.00
15.72	2.00	0.00	0.00	0.03	0.00	15.75	2.00	0.00	0.00	0.03	0.00
15.78	2.00	0.00	0.00	0.03	0.00	15.80	2.00	0.00	0.00	0.03	0.00
15.82	2.00	0.00	0.00	0.02	0.00	15.85	2.00	0.00	0.00	0.03	0.00
15.88	2.00	0.00	0.00	0.03	0.00	15.90	2.00	0.00	0.00	0.03	0.00
15.93	2.00	0.00	0.00	0.03	0.00	15.95	2.00	0.00	0.00	0.02	0.00
15.97	2.00	0.00	0.00	0.03	0.00	16.00	2.00	0.00	0.00	0.03	0.00
16.02	2.00	0.00	0.00	0.02	0.00	16.05	2.00	0.00	0.00	0.03	0.00
16.07	2.00	0.00	0.00	0.02	0.00	16.10	2.00	0.00	0.00	0.03	0.00
16.13	2.00	0.00	0.00	0.02	0.00	16.15	2.00	0.00	0.00	0.02	0.00
16.18	2.00	0.00	0.00	0.03	0.00	16.20	2.00	0.00	0.00	0.02	0.00
16.23	2.00	0.00	0.00	0.03	0.00	16.25	2.00	0.00	0.00	0.02	0.00
16.27	2.00	0.00	0.00	0.02	0.00	16.30	2.00	0.00	0.00	0.03	0.00
16.32	2.00	0.00	0.00	0.02	0.00	16.35	2.00	0.00	0.00	0.03	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
16.43	2.00	0.00	0.00	0.03	0.00	16.45	2.00	0.00	0.00	0.02	0.00
16.48	2.00	0.00	0.00	0.03	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	16.55	2.00	0.00	0.00	0.03	0.00
16.57	2.00	0.00	0.00	0.02	0.00	16.60	2.00	0.00	0.00	0.03	0.00
16.63	2.00	0.00	0.00	0.02	0.00	16.65	2.00	0.00	0.00	0.02	0.00
16.68	2.00	0.00	0.00	0.03	0.00	16.70	2.00	0.00	0.00	0.02	0.00
16.73	2.00	0.00	0.00	0.03	0.00	16.75	2.00	0.00	0.00	0.02	0.00
16.77	2.00	0.00	0.00	0.02	0.00	16.80	2.00	0.00	0.00	0.03	0.00
16.82	2.00	0.00	0.00	0.02	0.00	16.85	2.00	0.00	0.00	0.03	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
16.93	2.00	0.00	0.00	0.03	0.00	16.95	2.00	0.00	0.00	0.02	0.00
16.98	2.00	0.00	0.00	0.03	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	17.05	2.00	0.00	0.00	0.03	0.00
17.07	2.00	0.00	0.00	0.02	0.00	17.10	2.00	0.00	0.00	0.03	0.00
17.13	2.00	0.00	0.00	0.02	0.00	17.15	2.00	0.00	0.00	0.02	0.00
17.18	2.00	0.00	0.00	0.03	0.00	17.20	2.00	0.00	0.00	0.02	0.00
17.23	2.00	0.00	0.00	0.03	0.00	17.25	2.00	0.00	0.00	0.02	0.00
17.27	2.00	0.00	0.00	0.02	0.00	17.30	2.00	0.00	0.00	0.03	0.00
17.32	2.00	0.00	0.00	0.02	0.00	17.35	2.00	0.00	0.00	0.03	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
17.43	2.00	0.00	0.00	0.03	0.00	17.45	2.00	0.00	0.00	0.02	0.00
17.48	2.00	0.00	0.00	0.03	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	17.55	2.00	0.00	0.00	0.03	0.00
17.57	2.00	0.00	0.00	0.02	0.00	17.60	2.00	0.00	0.00	0.03	0.00
17.63	2.00	0.00	0.00	0.02	0.00	17.65	2.00	0.00	0.00	0.02	0.00
17.68	2.00	0.00	0.00	0.03	0.00	17.70	2.00	0.00	0.00	0.02	0.00
17.73	2.00	0.00	0.00	0.03	0.00	17.75	2.00	0.00	0.00	0.02	0.00
17.77	2.00	0.00	0.00	0.02	0.00	17.80	2.00	0.00	0.00	0.03	0.00
17.82	2.00	0.00	0.00	0.02	0.00	17.85	2.00	0.00	0.00	0.03	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
17.93	2.00	0.00	0.00	0.03	0.00	17.95	2.00	0.00	0.00	0.02	0.00
17.98	2.00	0.00	0.00	0.03	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	18.05	2.00	0.00	0.00	0.03	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}
18.07	2.00	0.00	0.00	0.02	0.00	18.10	2.00	0.00	0.00	0.03	0.00
18.13	2.00	0.00	0.00	0.02	0.00	18.15	2.00	0.00	0.00	0.02	0.00
18.18	2.00	0.00	0.00	0.03	0.00	18.20	2.00	0.00	0.00	0.02	0.00
18.23	2.00	0.00	0.00	0.03	0.00	18.25	2.00	0.00	0.00	0.02	0.00
18.27	2.00	0.00	0.00	0.02	0.00	18.30	2.00	0.00	0.00	0.03	0.00
18.32	2.00	0.00	0.00	0.02	0.00	18.35	2.00	0.00	0.00	0.03	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
18.43	2.00	0.00	0.00	0.03	0.00	18.45	2.00	0.00	0.00	0.02	0.00
18.48	2.00	0.00	0.00	0.03	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	18.55	2.00	0.00	0.00	0.03	0.00
18.57	2.00	0.00	0.00	0.02	0.00	18.60	2.00	0.00	0.00	0.03	0.00
18.63	2.00	0.00	0.00	0.02	0.00	18.65	2.00	0.00	0.00	0.02	0.00
18.68	2.00	0.00	0.00	0.03	0.00	18.70	2.00	0.00	0.00	0.02	0.00
18.73	2.00	0.00	0.00	0.03	0.00	18.75	2.00	0.00	0.00	0.02	0.00
18.77	2.00	0.00	0.00	0.02	0.00	18.80	2.00	0.00	0.00	0.03	0.00
18.82	2.00	0.00	0.00	0.02	0.00	18.85	2.00	0.00	0.00	0.03	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
18.93	2.00	0.00	0.00	0.03	0.00	18.95	2.00	0.00	0.00	0.02	0.00
18.98	2.00	0.00	0.00	0.03	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	19.05	2.00	0.00	0.00	0.03	0.00
19.07	2.00	0.00	0.00	0.02	0.00	19.10	2.00	0.00	0.00	0.03	0.00
19.13	2.00	0.00	0.00	0.02	0.00	19.15	2.00	0.00	0.00	0.02	0.00
19.18	2.00	0.00	0.00	0.03	0.00	19.20	2.00	0.00	0.00	0.02	0.00
19.23	2.00	0.00	0.00	0.03	0.00	19.25	2.00	0.00	0.00	0.02	0.00
19.27	2.00	0.00	0.00	0.02	0.00	19.30	2.00	0.00	0.00	0.03	0.00
19.32	2.00	0.00	0.00	0.02	0.00	19.35	2.00	0.00	0.00	0.03	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
19.43	2.00	0.00	0.00	0.03	0.00	19.45	2.00	0.00	0.00	0.02	0.00
19.48	2.00	0.00	0.00	0.03	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	19.55	2.00	0.00	0.00	0.03	0.00
19.57	2.00	0.00	0.00	0.02	0.00	19.60	2.00	0.00	0.00	0.03	0.00
19.63	2.00	0.00	0.00	0.02	0.00	19.65	2.00	0.00	0.00	0.02	0.00
19.68	2.00	0.00	0.00	0.03	0.00	19.70	2.00	0.00	0.00	0.02	0.00
19.73	2.00	0.00	0.00	0.03	0.00	19.75	2.00	0.00	0.00	0.02	0.00
19.77	2.00	0.00	0.00	0.02	0.00	19.80	2.00	0.00	0.00	0.03	0.00
19.82	2.00	0.00	0.00	0.02	0.00	19.85	2.00	0.00	0.00	0.03	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
19.93	2.00	0.00	0.00	0.03	0.00	19.95	2.00	0.00	0.00	0.02	0.00
19.98	2.00	0.00	0.00	0.03	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	20.05	2.00	0.00	0.00	0.03	0.00
20.07	2.00	0.00	0.00	0.02	0.00	20.10	2.00	0.00	0.00	0.03	0.00
20.13	2.00	0.00	0.00	0.02	0.00	20.15	2.00	0.00	0.00	0.02	0.00
20.18	2.00	0.00	0.00	0.03	0.00	20.20	2.00	0.00	0.00	0.02	0.00
20.23	2.00	0.00	0.00	0.03	0.00	20.25	2.00	0.00	0.00	0.02	0.00
20.27	2.00	0.00	0.00	0.02	0.00	20.30	2.00	0.00	0.00	0.03	0.00
20.32	2.00	0.00	0.00	0.02	0.00	20.35	2.00	0.00	0.00	0.03	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
20.43	2.00	0.00	0.00	0.03	0.00	20.45	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}
20.48	2.00	0.00	0.00	0.03	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	20.55	2.00	0.00	0.00	0.03	0.00
20.57	2.00	0.00	0.00	0.02	0.00	20.60	2.00	0.00	0.00	0.03	0.00
20.63	2.00	0.00	0.00	0.02	0.00	20.65	2.00	0.00	0.00	0.02	0.00
20.68	2.00	0.00	0.00	0.03	0.00	20.70	2.00	0.00	0.00	0.02	0.00
20.73	2.00	0.00	0.00	0.03	0.00	20.75	2.00	0.00	0.00	0.02	0.00
20.77	2.00	0.00	0.00	0.02	0.00	20.80	2.00	0.00	0.00	0.03	0.00
20.82	2.00	0.00	0.00	0.02	0.00	20.85	2.00	0.00	0.00	0.03	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
20.93	2.00	0.00	0.00	0.03	0.00	20.95	2.00	0.00	0.00	0.02	0.00
20.98	2.00	0.00	0.00	0.03	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	21.05	2.00	0.00	0.00	0.03	0.00
21.07	2.00	0.00	0.00	0.02	0.00	21.10	2.00	0.00	0.00	0.03	0.00
21.13	2.00	0.00	0.00	0.02	0.00	21.15	2.00	0.00	0.00	0.02	0.00
21.18	2.00	0.00	0.00	0.03	0.00	21.20	2.00	0.00	0.00	0.02	0.00
21.23	2.00	0.00	0.00	0.03	0.00	21.25	2.00	0.00	0.00	0.02	0.00
21.27	2.00	0.00	0.00	0.02	0.00	21.30	2.00	0.00	0.00	0.03	0.00
21.32	2.00	0.00	0.00	0.02	0.00	21.35	2.00	0.00	0.00	0.03	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
21.43	2.00	0.00	0.00	0.03	0.00	21.45	2.00	0.00	0.00	0.02	0.00
21.48	2.00	0.00	0.00	0.03	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	21.55	2.00	0.00	0.00	0.03	0.00
21.57	2.00	0.00	0.00	0.02	0.00	21.60	2.00	0.00	0.00	0.03	0.00
21.63	2.00	0.00	0.00	0.02	0.00	21.65	2.00	0.00	0.00	0.02	0.00
21.68	2.00	0.00	0.00	0.03	0.00	21.70	2.00	0.00	0.00	0.02	0.00
21.73	2.00	0.00	0.00	0.03	0.00	21.75	2.00	0.00	0.00	0.02	0.00
21.77	2.00	0.00	0.00	0.02	0.00	21.80	2.00	0.00	0.00	0.03	0.00
21.82	2.00	0.00	0.00	0.02	0.00	21.85	2.00	0.00	0.00	0.03	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
21.93	2.00	0.00	0.00	0.03	0.00	21.95	2.00	0.00	0.00	0.02	0.00
21.98	2.00	0.00	0.00	0.03	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	22.05	2.00	0.00	0.00	0.03	0.00
22.07	2.00	0.00	0.00	0.02	0.00	22.10	2.00	0.00	0.00	0.03	0.00
22.13	2.00	0.00	0.00	0.02	0.00	22.15	2.00	0.00	0.00	0.02	0.00
22.18	2.00	0.00	0.00	0.03	0.00	22.20	2.00	0.00	0.00	0.02	0.00
22.23	2.00	0.00	0.00	0.03	0.00	22.25	2.00	0.00	0.00	0.02	0.00
22.27	2.00	0.00	0.00	0.02	0.00	22.30	2.00	0.00	0.00	0.03	0.00
22.32	2.00	0.00	0.00	0.02	0.00	22.35	2.00	0.00	0.00	0.03	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
22.43	2.00	0.00	0.00	0.03	0.00	22.45	2.00	0.00	0.00	0.02	0.00
22.48	2.00	0.00	0.00	0.03	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	22.55	2.00	0.00	0.00	0.03	0.00
22.57	2.00	0.00	0.00	0.02	0.00	22.60	2.00	0.00	0.00	0.03	0.00
22.63	2.00	0.00	0.00	0.02	0.00	22.65	2.00	0.00	0.00	0.02	0.00
22.68	2.00	0.00	0.00	0.03	0.00	22.70	2.00	0.00	0.00	0.02	0.00
22.73	2.00	0.00	0.00	0.03	0.00	22.75	2.00	0.00	0.00	0.02	0.00
22.77	2.00	0.00	0.00	0.02	0.00	22.80	2.00	0.00	0.00	0.03	0.00
22.82	2.00	0.00	0.00	0.02	0.00	22.85	2.00	0.00	0.00	0.03	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}
22.88	2.00	0.00	0.00	0.02	0.00	22.90	2.00	0.00	0.00	0.02	0.00
22.93	2.00	0.00	0.00	0.03	0.00	22.95	2.00	0.00	0.00	0.02	0.00
22.98	2.00	0.00	0.00	0.03	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	23.05	2.00	0.00	0.00	0.03	0.00
23.07	2.00	0.00	0.00	0.02	0.00	23.10	2.00	0.00	0.00	0.03	0.00
23.13	2.00	0.00	0.00	0.02	0.00	23.15	2.00	0.00	0.00	0.02	0.00
23.18	2.00	0.00	0.00	0.03	0.00	23.20	2.00	0.00	0.00	0.02	0.00
23.23	2.00	0.00	0.00	0.03	0.00	23.25	2.00	0.00	0.00	0.02	0.00
23.27	2.00	0.00	0.00	0.02	0.00	23.30	2.00	0.00	0.00	0.03	0.00
23.32	2.00	0.00	0.00	0.02	0.00	23.35	2.00	0.00	0.00	0.03	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
23.43	2.00	0.00	0.00	0.03	0.00	23.45	2.00	0.00	0.00	0.02	0.00
23.48	2.00	0.00	0.00	0.03	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	23.55	2.00	0.00	0.00	0.03	0.00
23.57	2.00	0.00	0.00	0.02	0.00	23.60	2.00	0.00	0.00	0.03	0.00
23.63	2.00	0.00	0.00	0.02	0.00	23.65	2.00	0.00	0.00	0.02	0.00
23.68	2.00	0.00	0.00	0.03	0.00	23.70	2.00	0.00	0.00	0.02	0.00
23.73	2.00	0.00	0.00	0.03	0.00	23.75	2.00	0.00	0.00	0.02	0.00
23.77	2.00	0.00	0.00	0.02	0.00	23.80	2.00	0.00	0.00	0.03	0.00
23.82	2.00	0.00	0.00	0.02	0.00	23.85	2.00	0.00	0.00	0.03	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
23.93	2.00	0.00	0.00	0.03	0.00	23.95	2.00	0.00	0.00	0.02	0.00
23.98	2.00	0.00	0.00	0.03	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	24.05	2.00	0.00	0.00	0.03	0.00
24.07	2.00	0.00	0.00	0.02	0.00	24.10	2.00	0.00	0.00	0.03	0.00
24.13	2.00	0.00	0.00	0.02	0.00	24.15	2.00	0.00	0.00	0.02	0.00
24.18	2.00	0.00	0.00	0.03	0.00	24.20	2.00	0.00	0.00	0.02	0.00
24.23	2.00	0.00	0.00	0.03	0.00	24.25	2.00	0.00	0.00	0.02	0.00
24.27	2.00	0.00	0.00	0.02	0.00	24.30	2.00	0.00	0.00	0.03	0.00
24.32	2.00	0.00	0.00	0.02	0.00	24.35	2.00	0.00	0.00	0.03	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
24.43	2.00	0.00	0.00	0.03	0.00	24.45	2.00	0.00	0.00	0.02	0.00
24.48	2.00	0.00	0.00	0.03	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	24.55	2.00	0.00	0.00	0.03	0.00
24.57	2.00	0.00	0.00	0.02	0.00	24.60	2.00	0.00	0.00	0.03	0.00
24.63	2.00	0.00	0.00	0.02	0.00	24.65	2.00	0.00	0.00	0.02	0.00
24.68	2.00	0.00	0.00	0.03	0.00	24.70	2.00	0.00	0.00	0.02	0.00
24.73	2.00	0.00	0.00	0.03	0.00	24.75	2.00	0.00	0.00	0.02	0.00
24.77	2.00	0.00	0.00	0.02	0.00	24.80	2.00	0.00	0.00	0.03	0.00
24.82	2.00	0.00	0.00	0.02	0.00	24.85	2.00	0.00	0.00	0.03	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
24.93	2.00	0.00	0.00	0.03	0.00	24.95	2.00	0.00	0.00	0.02	0.00
24.98	2.00	0.00	0.00	0.03	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	25.05	2.00	0.00	0.00	0.03	0.00
25.07	2.00	0.00	0.00	0.02	0.00	25.10	2.00	0.00	0.00	0.03	0.00
25.13	2.00	0.00	0.00	0.02	0.00	25.15	2.00	0.00	0.00	0.02	0.00
25.18	2.00	0.00	0.00	0.03	0.00	25.20	2.00	0.00	0.00	0.02	0.00
25.23	2.00	0.00	0.00	0.03	0.00	25.25	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}
25.27	2.00	0.00	0.00	0.02	0.00	25.30	2.00	0.00	0.00	0.03	0.00
25.32	2.00	0.00	0.00	0.02	0.00	25.35	2.00	0.00	0.00	0.03	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
25.43	2.00	0.00	0.00	0.03	0.00	25.45	2.00	0.00	0.00	0.02	0.00
25.48	2.00	0.00	0.00	0.03	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	25.55	2.00	0.00	0.00	0.03	0.00
25.57	2.00	0.00	0.00	0.02	0.00	25.60	2.00	0.00	0.00	0.03	0.00
25.63	2.00	0.00	0.00	0.02	0.00	25.65	2.00	0.00	0.00	0.02	0.00
25.68	2.00	0.00	0.00	0.03	0.00	25.70	2.00	0.00	0.00	0.02	0.00
25.73	2.00	0.00	0.00	0.03	0.00	25.75	2.00	0.00	0.00	0.02	0.00
25.77	2.00	0.00	0.00	0.02	0.00	25.80	2.00	0.00	0.00	0.03	0.00
25.82	2.00	0.00	0.00	0.02	0.00	25.85	2.00	0.00	0.00	0.03	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
25.93	2.00	0.00	0.00	0.03	0.00	25.95	2.00	0.00	0.00	0.02	0.00
25.98	2.00	0.00	0.00	0.03	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	26.05	2.00	0.00	0.00	0.03	0.00
26.07	2.00	0.00	0.00	0.02	0.00	26.10	2.00	0.00	0.00	0.03	0.00
26.13	2.00	0.00	0.00	0.02	0.00	26.15	2.00	0.00	0.00	0.02	0.00
26.18	2.00	0.00	0.00	0.03	0.00	26.20	2.00	0.00	0.00	0.02	0.00
26.23	2.00	0.00	0.00	0.03	0.00	26.25	2.00	0.00	0.00	0.02	0.00
26.27	2.00	0.00	0.00	0.02	0.00	26.30	2.00	0.00	0.00	0.03	0.00
26.32	2.00	0.00	0.00	0.02	0.00	26.35	2.00	0.00	0.00	0.03	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
26.43	2.00	0.00	0.00	0.03	0.00	26.45	2.00	0.00	0.00	0.02	0.00
26.48	2.00	0.00	0.00	0.03	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	26.55	2.00	0.00	0.00	0.03	0.00
26.57	2.00	0.00	0.00	0.02	0.00	26.60	2.00	0.00	0.00	0.03	0.00
26.63	2.00	0.00	0.00	0.02	0.00	26.65	2.00	0.00	0.00	0.02	0.00
26.68	2.00	0.00	0.00	0.03	0.00	26.70	2.00	0.00	0.00	0.02	0.00
26.73	2.00	0.00	0.00	0.03	0.00	26.75	2.00	0.00	0.00	0.02	0.00
26.77	2.00	0.00	0.00	0.02	0.00	26.80	2.00	0.00	0.00	0.03	0.00
26.82	2.00	0.00	0.00	0.02	0.00	26.85	2.00	0.00	0.00	0.03	0.00
26.88	2.00	0.00	0.00	0.02	0.00	26.90	2.00	0.00	0.00	0.02	0.00
26.93	2.00	0.00	0.00	0.03	0.00	26.95	2.00	0.00	0.00	0.02	0.00
26.98	2.00	0.00	0.00	0.03	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	27.05	2.00	0.00	0.00	0.03	0.00
27.07	2.00	0.00	0.00	0.02	0.00	27.10	2.00	0.00	0.00	0.03	0.00
27.13	2.00	0.00	0.00	0.02	0.00	27.15	2.00	0.00	0.00	0.02	0.00
27.18	2.00	0.00	0.00	0.03	0.00	27.20	2.00	0.00	0.00	0.02	0.00
27.23	2.00	0.00	0.00	0.03	0.00	27.25	2.00	0.00	0.00	0.02	0.00
27.27	2.00	0.00	0.00	0.02	0.00	27.30	2.00	0.00	0.00	0.03	0.00
27.32	2.00	0.00	0.00	0.02	0.00	27.35	2.00	0.00	0.00	0.03	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
27.43	2.00	0.00	0.00	0.03	0.00	27.45	2.00	0.00	0.00	0.02	0.00
27.48	2.00	0.00	0.00	0.03	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	27.55	2.00	0.00	0.00	0.03	0.00
27.57	2.00	0.00	0.00	0.02	0.00	27.60	2.00	0.00	0.00	0.03	0.00
27.63	2.00	0.00	0.00	0.02	0.00	27.65	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}
27.68	2.00	0.00	0.00	0.03	0.00	27.70	2.00	0.00	0.00	0.02	0.00
27.73	0.59	0.00	0.00	0.03	0.00	27.75	0.91	0.00	0.00	0.02	0.00
27.77	0.60	0.00	0.00	0.02	0.00	27.80	0.69	0.00	0.00	0.03	0.00
27.82	2.00	0.00	0.00	0.02	0.00	27.85	2.00	0.00	0.00	0.03	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
27.93	2.00	0.00	0.00	0.03	0.00	27.95	2.00	0.00	0.00	0.02	0.00
27.98	2.00	0.00	0.00	0.03	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	28.05	2.00	0.00	0.00	0.03	0.00
28.07	2.00	0.00	0.00	0.02	0.00	28.10	2.00	0.00	0.00	0.03	0.00
28.13	2.00	0.00	0.00	0.02	0.00	28.15	2.00	0.00	0.00	0.02	0.00
28.18	2.00	0.00	0.00	0.03	0.00	28.20	2.00	0.00	0.00	0.02	0.00
28.23	0.71	0.00	0.00	0.03	0.00	28.25	0.72	0.00	0.00	0.02	0.00
28.27	0.73	0.00	0.00	0.02	0.00	28.30	0.66	0.00	0.00	0.03	0.00
28.32	2.00	0.00	0.00	0.02	0.00	28.35	2.00	0.00	0.00	0.03	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
28.43	2.00	0.00	0.00	0.03	0.00	28.45	2.00	0.00	0.00	0.02	0.00
28.48	2.00	0.00	0.00	0.03	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	28.55	2.00	0.00	0.00	0.03	0.00
28.57	2.00	0.00	0.00	0.02	0.00	28.60	2.00	0.00	0.00	0.03	0.00
28.63	2.00	0.00	0.00	0.02	0.00	28.65	2.00	0.00	0.00	0.02	0.00
28.68	2.00	0.00	0.00	0.03	0.00	28.70	2.00	0.00	0.00	0.02	0.00
28.73	2.00	0.00	0.00	0.03	0.00	28.75	2.00	0.00	0.00	0.02	0.00
28.77	2.00	0.00	0.00	0.02	0.00	28.80	2.00	0.00	0.00	0.03	0.00
28.82	2.00	0.00	0.00	0.02	0.00	28.85	2.00	0.00	0.00	0.03	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
28.93	2.00	0.00	0.00	0.03	0.00	28.95	2.00	0.00	0.00	0.02	0.00
28.98	2.00	0.00	0.00	0.03	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	29.05	2.00	0.00	0.00	0.03	0.00
29.07	2.00	0.00	0.00	0.02	0.00	29.10	2.00	0.00	0.00	0.03	0.00
29.13	2.00	0.00	0.00	0.02	0.00	29.15	2.00	0.00	0.00	0.02	0.00
29.18	2.00	0.00	0.00	0.03	0.00	29.20	2.00	0.00	0.00	0.02	0.00
29.23	2.00	0.00	0.00	0.03	0.00	29.25	2.00	0.00	0.00	0.02	0.00
29.27	2.00	0.00	0.00	0.02	0.00	29.30	2.00	0.00	0.00	0.03	0.00
29.32	2.00	0.00	0.00	0.02	0.00	29.35	2.00	0.00	0.00	0.03	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
29.43	2.00	0.00	0.00	0.03	0.00	29.45	2.00	0.00	0.00	0.02	0.00
29.48	2.00	0.00	0.00	0.03	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	29.55	2.00	0.00	0.00	0.03	0.00
29.57	2.00	0.00	0.00	0.02	0.00	29.60	2.00	0.00	0.00	0.03	0.00
29.63	2.00	0.00	0.00	0.02	0.00	29.65	2.00	0.00	0.00	0.02	0.00
29.68	2.00	0.00	0.00	0.03	0.00	29.70	2.00	0.00	0.00	0.02	0.00
29.73	2.00	0.00	0.00	0.03	0.00	29.75	2.00	0.00	0.00	0.02	0.00
29.77	2.00	0.00	0.00	0.02	0.00	29.80	2.00	0.00	0.00	0.03	0.00
29.82	2.00	0.00	0.00	0.02	0.00	29.85	2.00	0.00	0.00	0.03	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
29.93	2.00	0.00	0.00	0.03	0.00	29.95	2.00	0.00	0.00	0.02	0.00
29.98	2.00	0.00	0.00	0.03	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	30.05	2.00	0.00	0.00	0.03	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}
30.07	2.00	0.00	0.00	0.02	0.00	30.10	2.00	0.00	0.00	0.03	0.00
30.13	2.00	0.00	0.00	0.02	0.00	30.15	2.00	0.00	0.00	0.02	0.00
30.18	2.00	0.00	0.00	0.03	0.00	30.20	2.00	0.00	0.00	0.02	0.00
30.23	2.00	0.00	0.00	0.03	0.00	30.25	2.00	0.00	0.00	0.02	0.00
30.27	2.00	0.00	0.00	0.02	0.00	30.30	2.00	0.00	0.00	0.03	0.00
30.32	2.00	0.00	0.00	0.02	0.00	30.35	2.00	0.00	0.00	0.03	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
30.43	2.00	0.00	0.00	0.03	0.00	30.45	2.00	0.00	0.00	0.02	0.00
30.48	2.00	0.00	0.00	0.03	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	30.55	2.00	0.00	0.00	0.03	0.00
30.57	2.00	0.00	0.00	0.02	0.00	30.60	2.00	0.00	0.00	0.03	0.00
30.63	2.00	0.00	0.00	0.02	0.00	30.65	2.00	0.00	0.00	0.02	0.00
30.68	2.00	0.00	0.00	0.03	0.00	30.70	2.00	0.00	0.00	0.02	0.00
30.73	2.00	0.00	0.00	0.03	0.00	30.75	2.00	0.00	0.00	0.02	0.00
30.77	2.00	0.00	0.00	0.02	0.00	30.80	2.00	0.00	0.00	0.03	0.00
30.82	2.00	0.00	0.00	0.02	0.00	30.85	2.00	0.00	0.00	0.03	0.00
30.88	2.00	0.00	0.00	0.02	0.00	30.90	2.00	0.00	0.00	0.02	0.00
30.93	2.00	0.00	0.00	0.03	0.00	30.95	2.00	0.00	0.00	0.02	0.00
30.98	2.00	0.00	0.00	0.03	0.00	31.00	2.00	0.00	0.00	0.02	0.00
31.02	0.75	0.00	0.00	0.02	0.00	31.05	0.77	0.00	0.00	0.03	0.00
31.07	0.78	0.00	0.00	0.02	0.00						

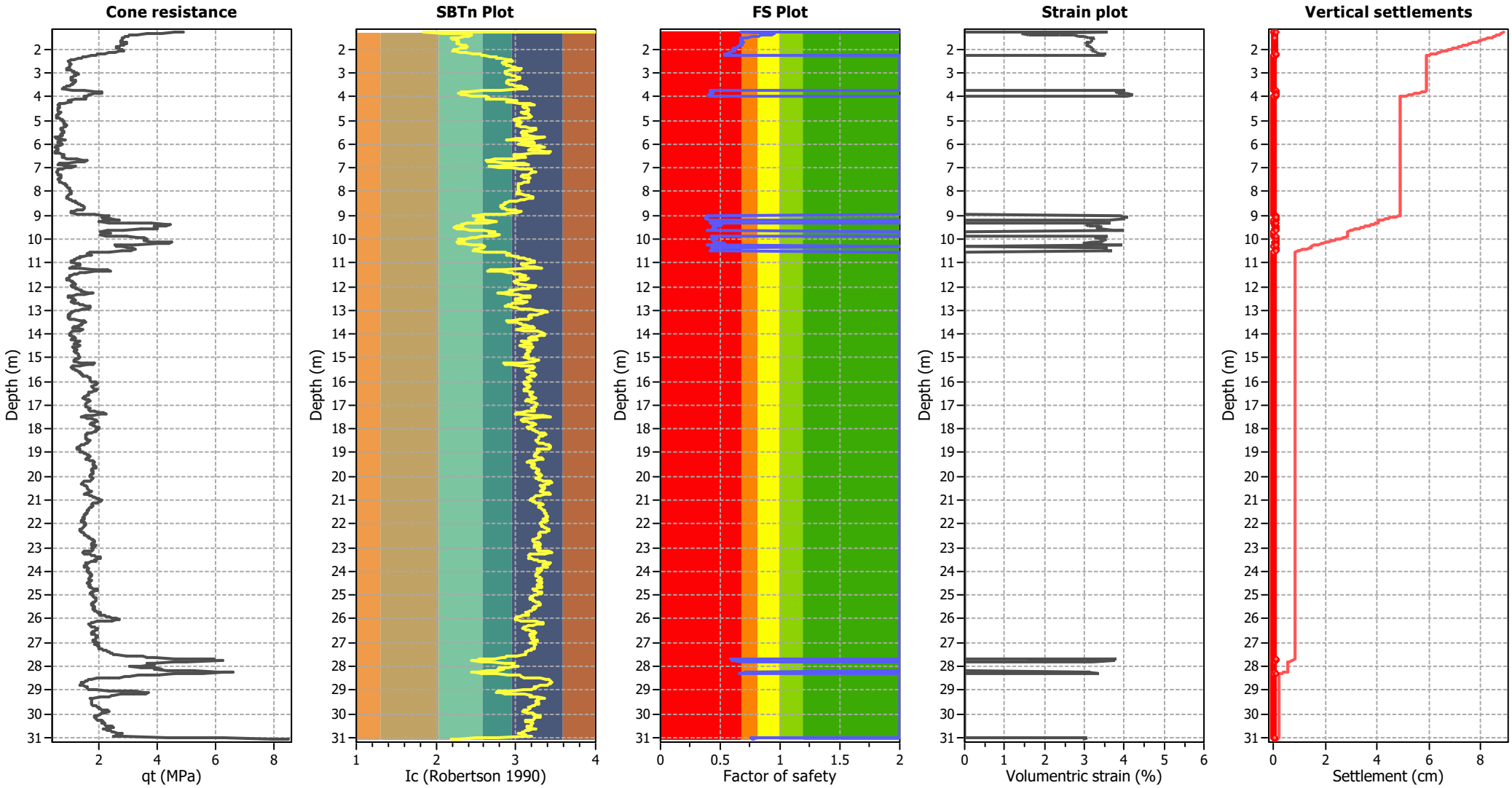
Overall liquefaction potential: 7.33

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

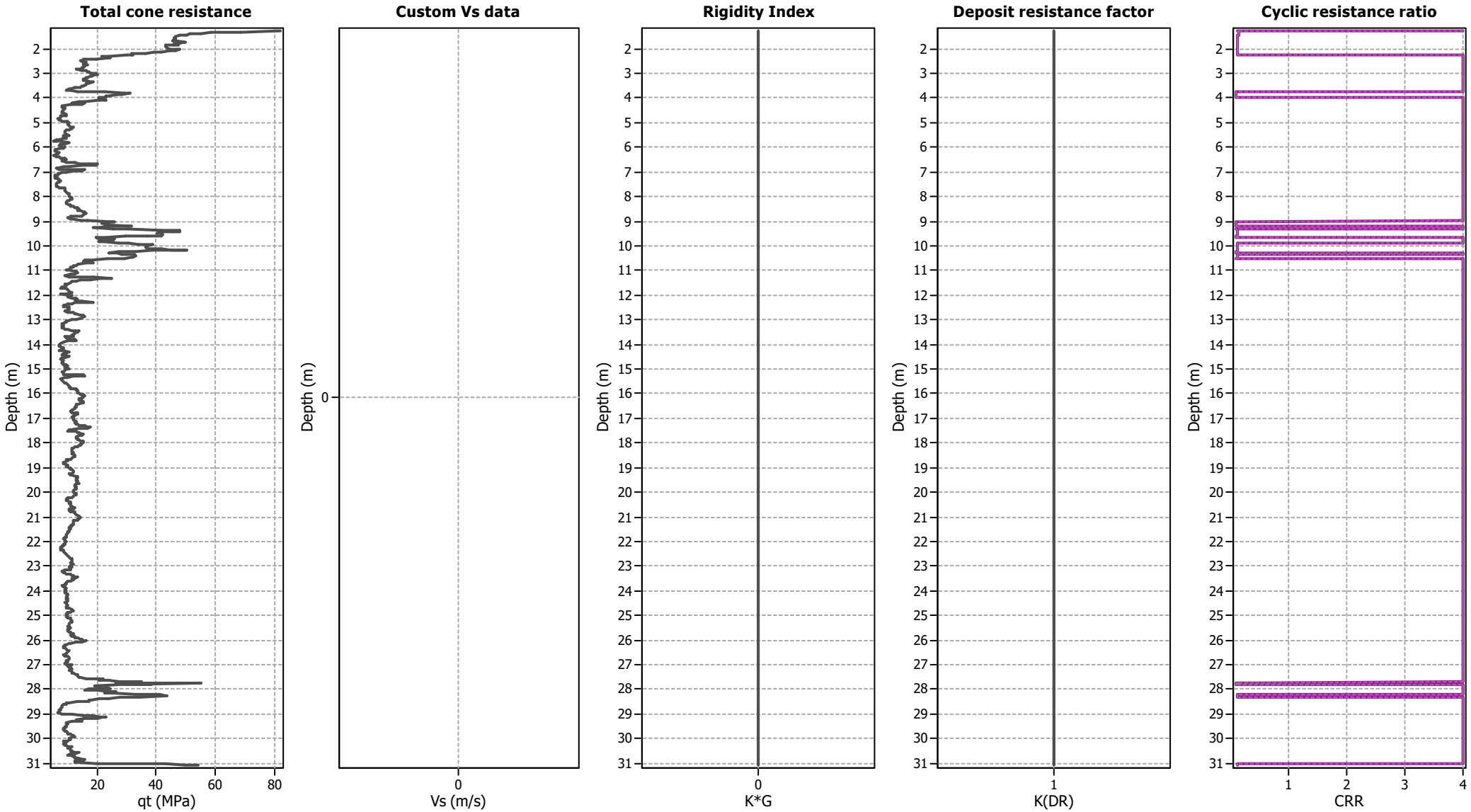
Estimation of post-earthquake settlements



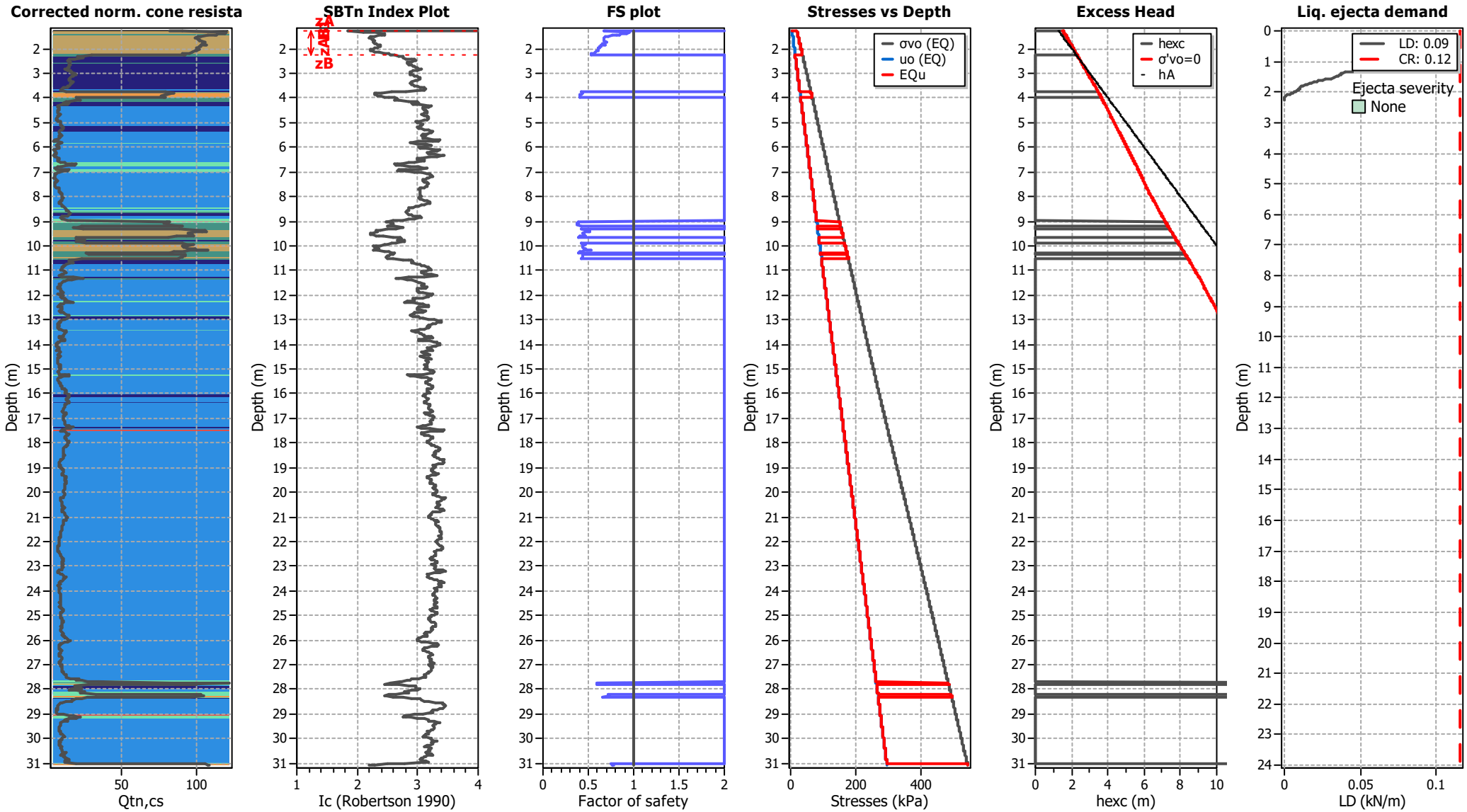
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



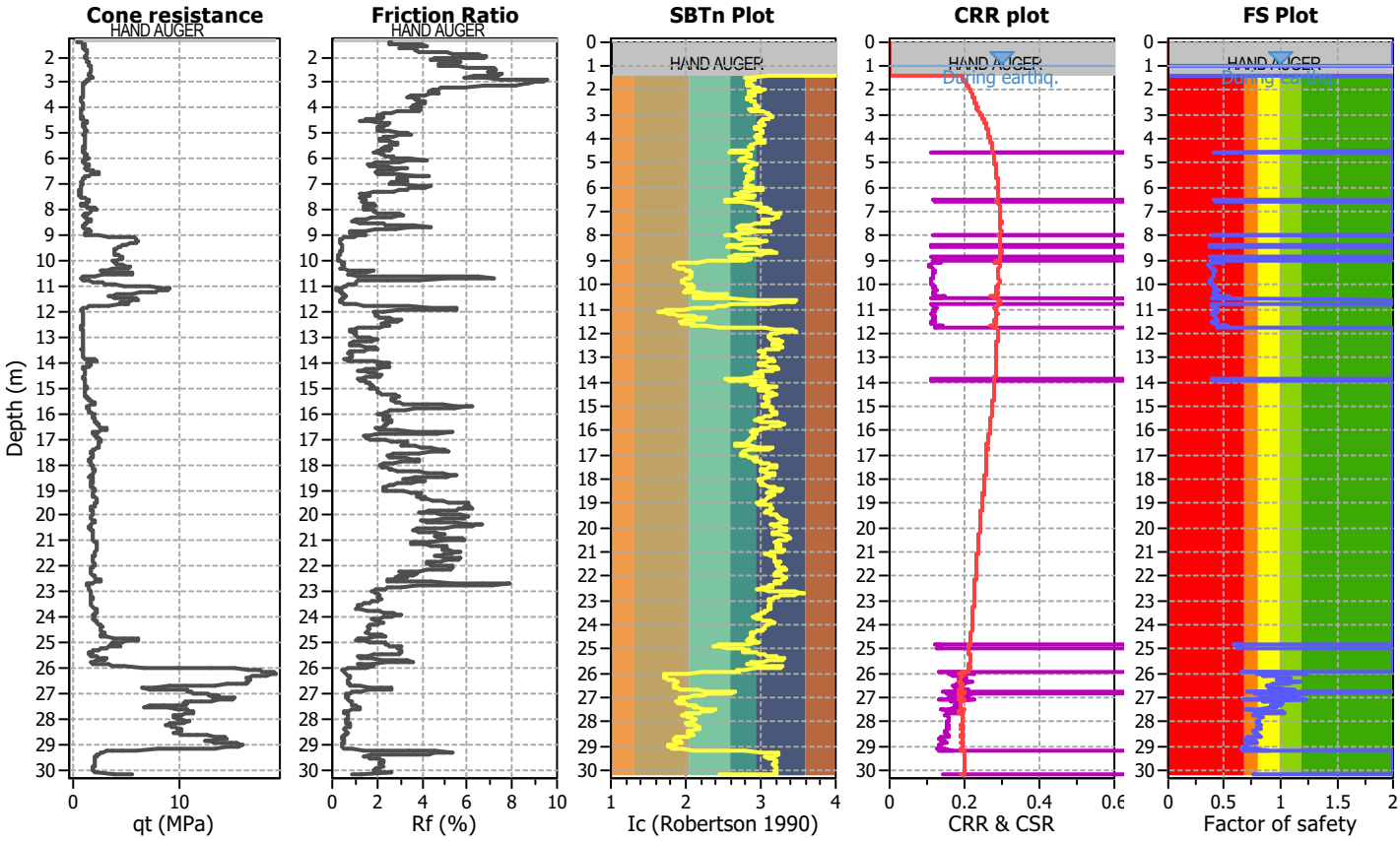
LIQUEFACTION ANALYSIS REPORT

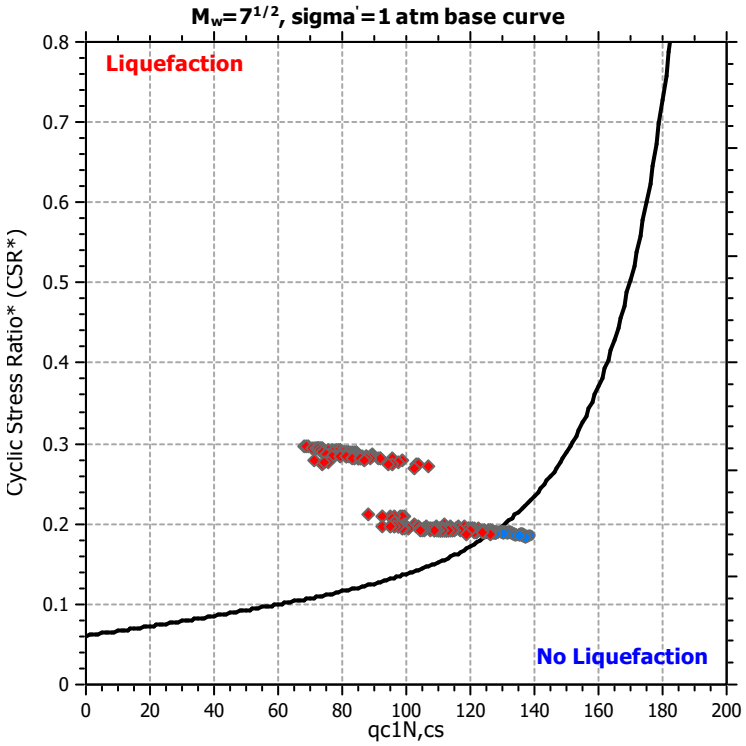
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,24**

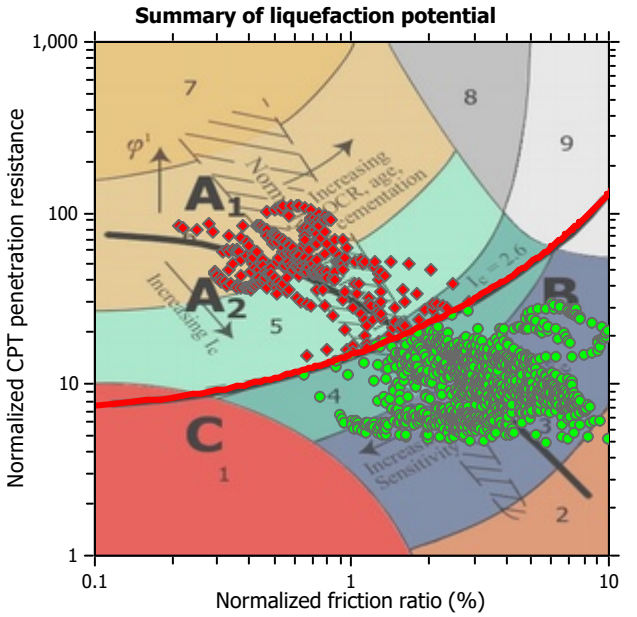
CPT file : 039017P69CPTU70

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.24	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

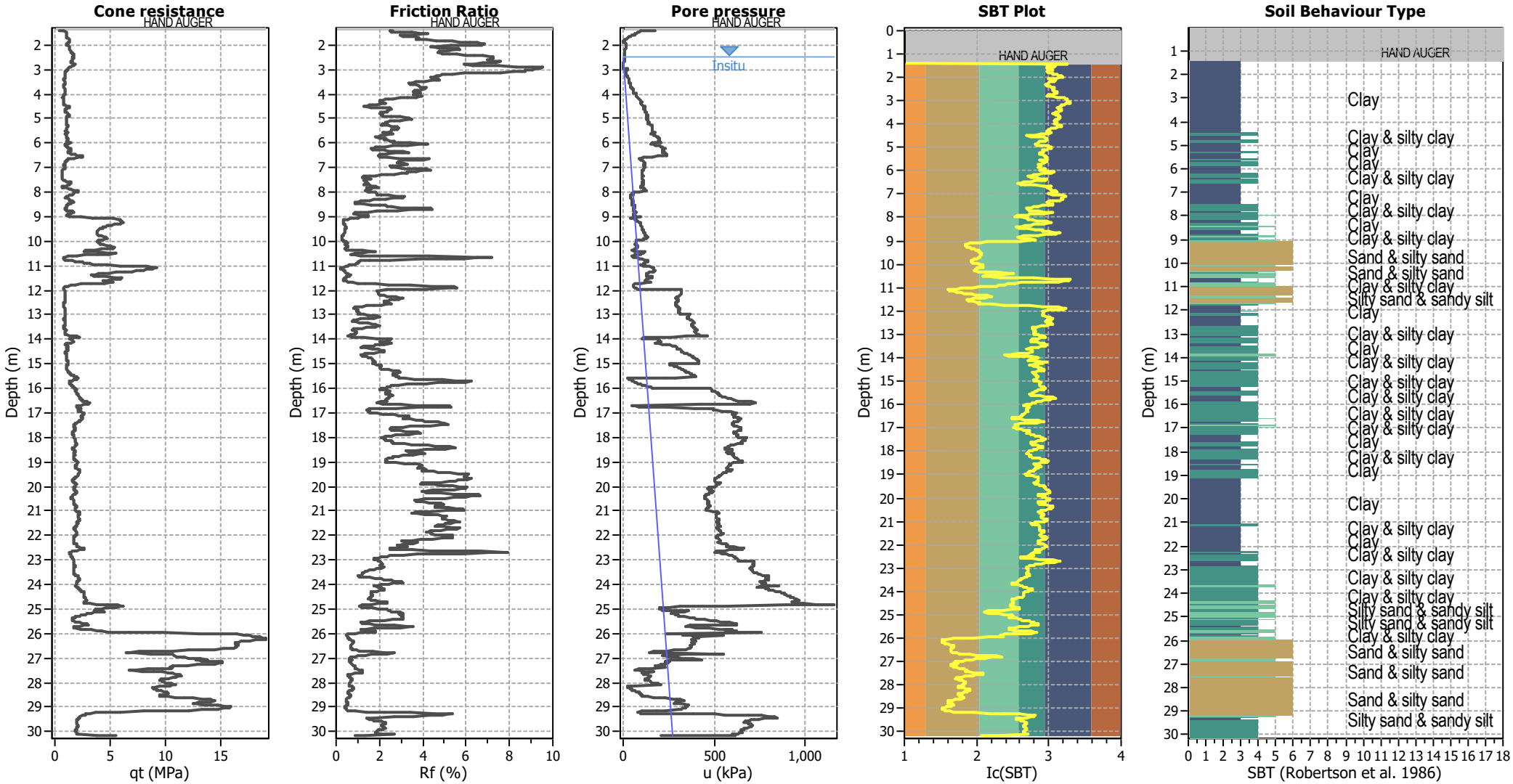






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



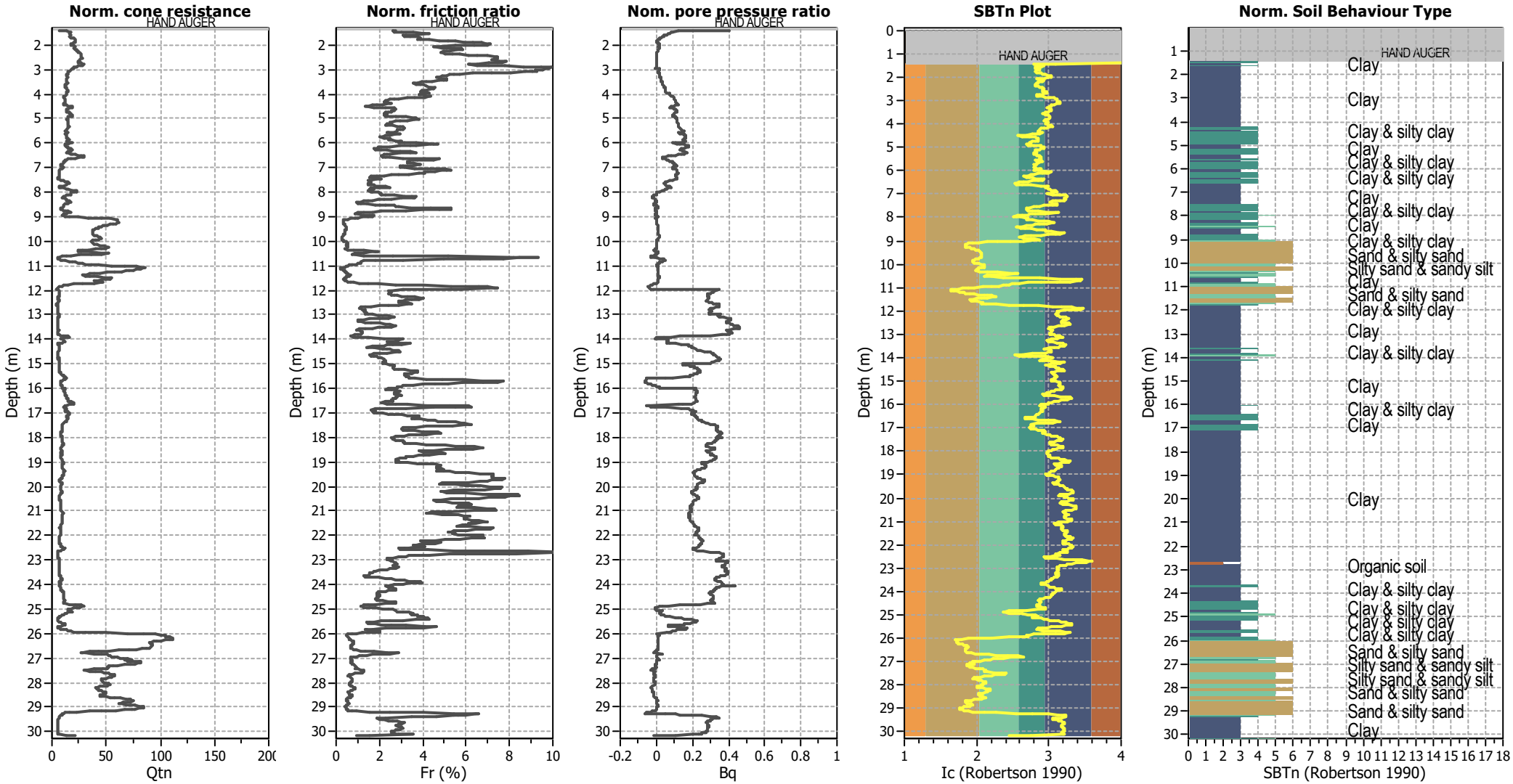
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



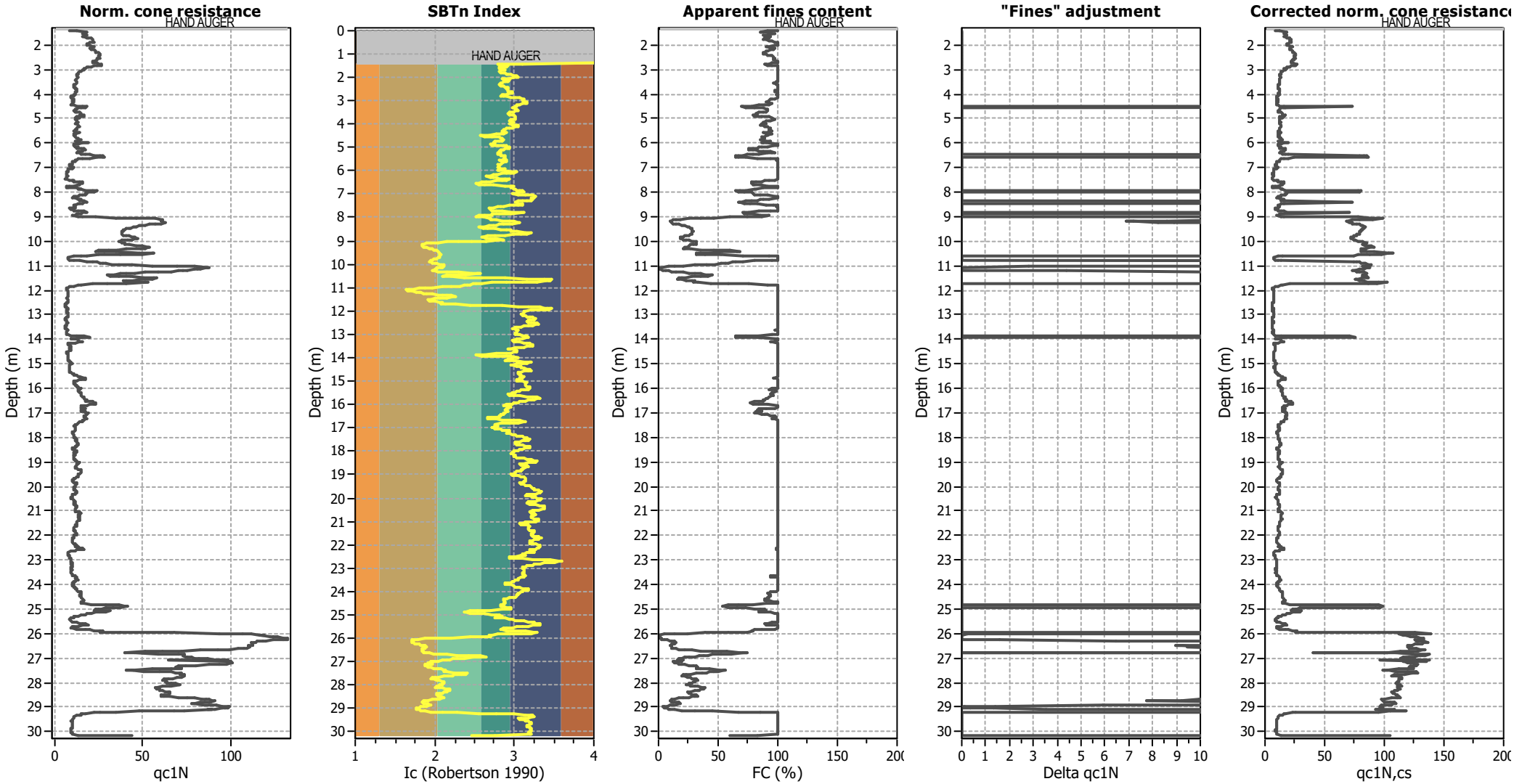
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

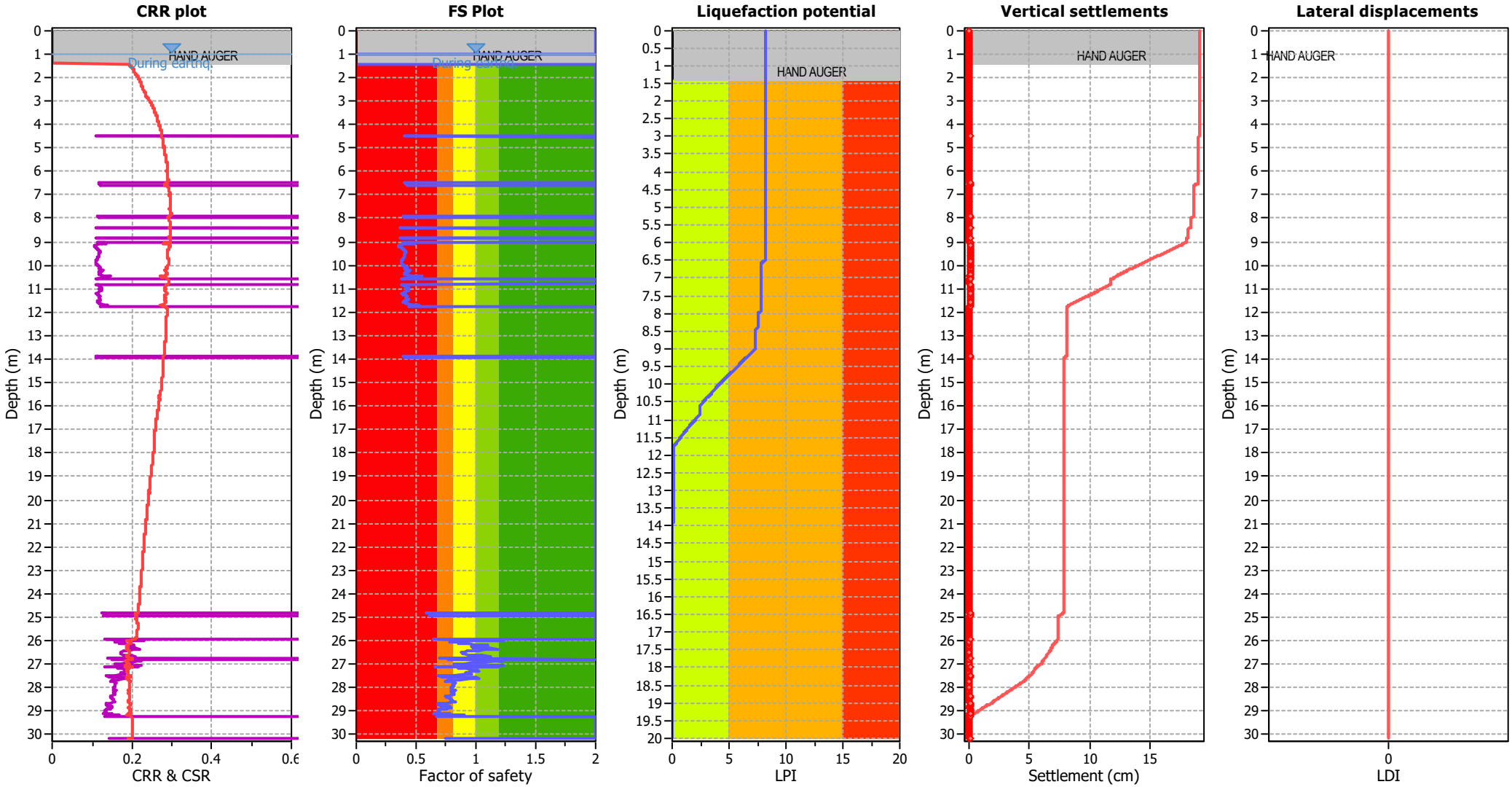
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

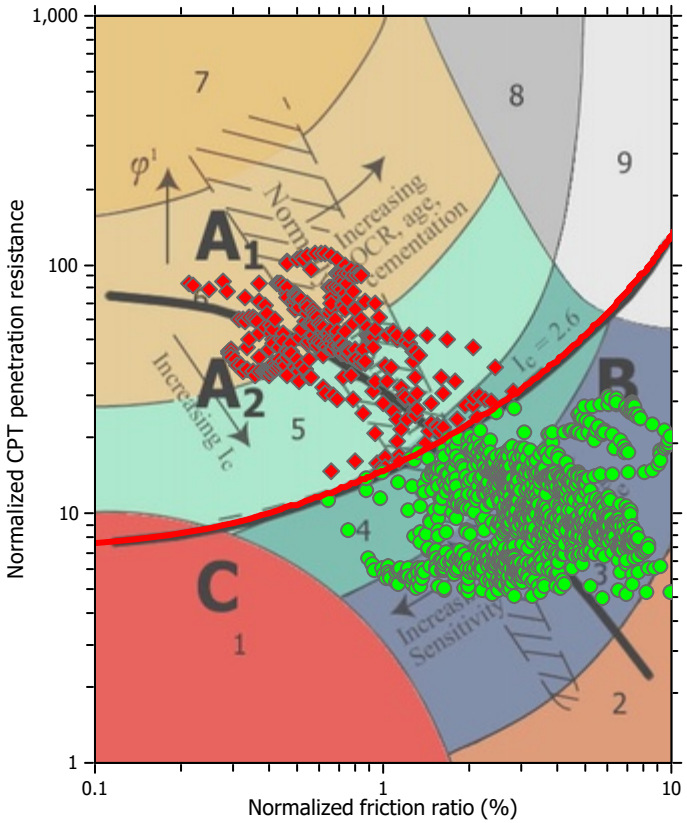
F.S. color scheme

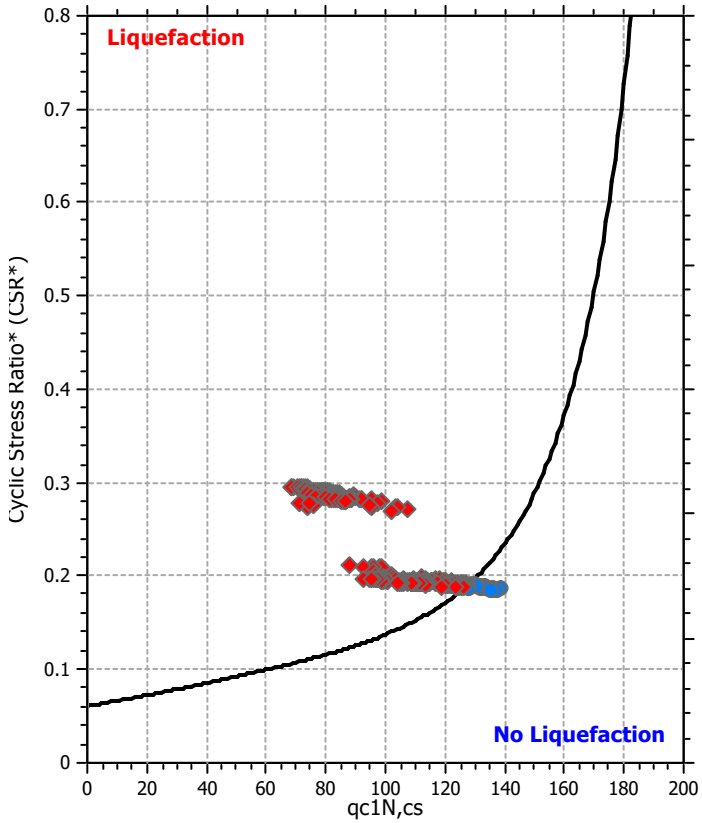
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

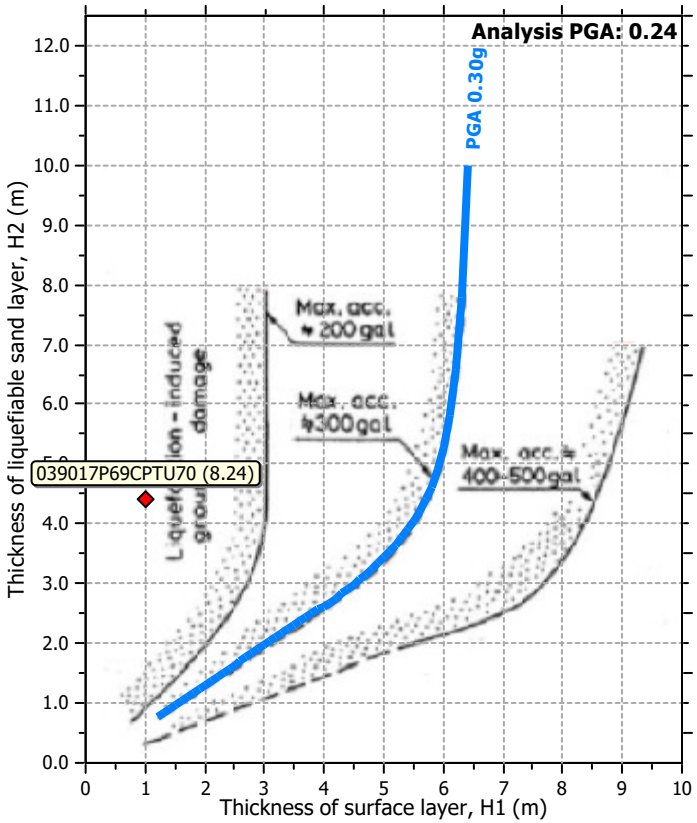
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



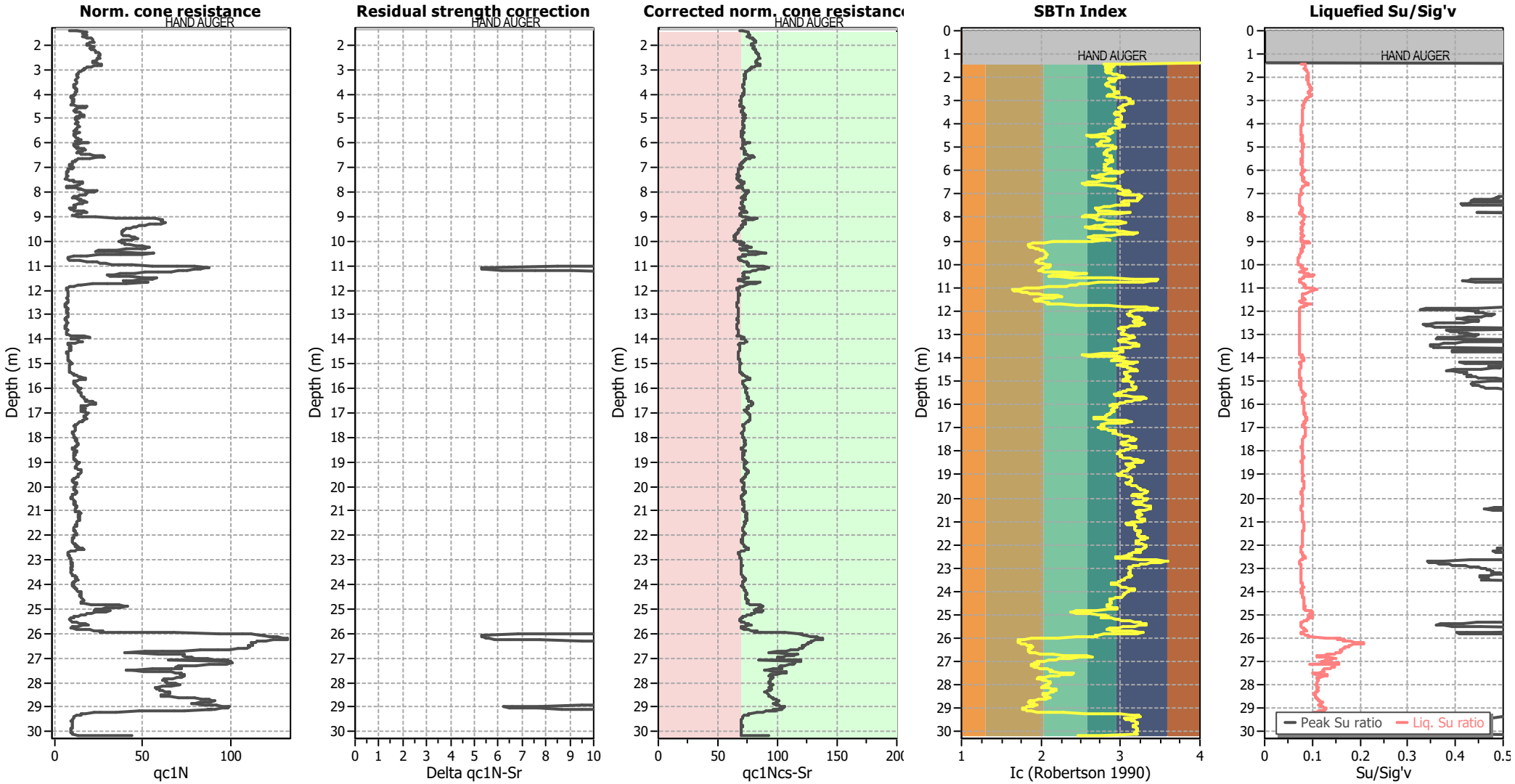




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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	0.00	0.00
0.54	2.00	0.00	0.00	0.00	0.00	0.56	2.00	0.00	0.00	0.00	0.00
0.58	2.00	0.00	0.00	0.00	0.00	0.60	2.00	0.00	0.00	0.00	0.00
0.62	2.00	0.00	0.00	0.00	0.00	0.64	2.00	0.00	0.00	0.00	0.00
0.66	2.00	0.00	0.00	0.00	0.00	0.68	2.00	0.00	0.00	0.00	0.00
0.70	2.00	0.00	0.00	0.00	0.00	0.72	2.00	0.00	0.00	0.00	0.00
0.74	2.00	0.00	0.00	0.00	0.00	0.76	2.00	0.00	0.00	0.00	0.00
0.78	2.00	0.00	0.00	0.00	0.00	0.80	2.00	0.00	0.00	0.00	0.00
0.82	2.00	0.00	0.00	0.00	0.00	0.84	2.00	0.00	0.00	0.00	0.00
0.86	2.00	0.00	0.00	0.00	0.00	0.88	2.00	0.00	0.00	0.00	0.00
0.90	2.00	0.00	0.00	0.00	0.00	0.92	2.00	0.00	0.00	0.00	0.00
0.94	2.00	0.00	0.00	0.00	0.00	0.96	2.00	0.00	0.00	0.00	0.00
0.98	2.00	0.00	0.00	0.00	0.00	1.00	2.00	0.00	0.00	0.00	0.00
1.02	97591.8	0.00	0.00	0.00	0.00	1.04	20119.0	0.00	0.00	0.00	0.00
1.06	84067.4	0.00	0.00	0.00	0.00	1.08	43272.0	0.00	0.00	0.00	0.00
1.10	84016.2	0.00	0.00	0.00	0.00	1.12	22134.9	0.00	0.00	0.00	0.00
1.14	00421.9	0.00	0.00	0.00	0.00	1.16	86305.9	0.00	0.00	0.00	0.00
1.18	69763.0	0.00	0.00	0.00	0.00	1.20	61437.5	0.00	0.00	0.00	0.00
1.22	90948.0	0.00	0.00	0.00	0.00	1.24	05357.2	0.00	0.00	0.00	0.00
1.26	67787.3	0.00	0.00	0.00	0.00	1.28	56165.3	0.00	0.00	0.00	0.00
1.30	62084.4	0.00	0.00	0.00	0.00	1.32	89768.8	0.00	0.00	0.00	0.00
1.34	55130.4	0.00	0.00	0.00	0.00	1.36	84910.3	0.00	0.00	0.00	0.00
1.38	15893.4	0.00	0.00	0.00	0.00	1.40	94191.3	0.00	0.00	0.00	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	0.40	0.60	0.39	0.02	0.09
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	0.40	0.60	0.39	0.02	0.08	6.52	0.42	0.58	0.40	0.02	0.08
6.54	0.43	0.57	0.41	0.02	0.08	6.56	0.43	0.57	0.41	0.02	0.08
6.58	0.43	0.57	0.41	0.02	0.08	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	0.39	0.61	0.38	0.02	0.07	7.96	0.40	0.60	0.39	0.02	0.07
7.98	0.40	0.60	0.38	0.02	0.07	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	0.38	0.62	0.37	0.02	0.07
8.42	0.37	0.63	0.37	0.02	0.07	8.44	0.37	0.63	0.36	0.02	0.07
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	0.37	0.63	0.36	0.02	0.07
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	0.39	0.61	0.38	0.02	0.07	9.04	0.44	0.56	0.42	0.02	0.06
9.06	0.47	0.53	0.44	0.02	0.06	9.08	0.48	0.52	0.46	0.02	0.06
9.10	0.44	0.56	0.42	0.02	0.06	9.12	0.40	0.60	0.38	0.02	0.07
9.14	0.37	0.63	0.37	0.02	0.07	9.16	0.36	0.64	0.36	0.02	0.07
9.18	0.36	0.64	0.36	0.02	0.07	9.20	0.36	0.64	0.36	0.02	0.07
9.22	0.37	0.63	0.36	0.02	0.07	9.24	0.37	0.63	0.36	0.02	0.07
9.26	0.37	0.63	0.37	0.02	0.07	9.28	0.38	0.62	0.37	0.02	0.07
9.30	0.39	0.61	0.38	0.02	0.07	9.32	0.40	0.60	0.38	0.02	0.06
9.34	0.40	0.60	0.39	0.02	0.06	9.36	0.40	0.60	0.39	0.02	0.06
9.38	0.41	0.59	0.39	0.02	0.06	9.40	0.41	0.59	0.40	0.02	0.06
9.42	0.42	0.58	0.40	0.02	0.06	9.44	0.42	0.58	0.40	0.02	0.06
9.46	0.41	0.59	0.39	0.02	0.06	9.48	0.41	0.59	0.39	0.02	0.06
9.50	0.41	0.59	0.39	0.02	0.06	9.52	0.40	0.60	0.39	0.02	0.06
9.54	0.40	0.60	0.39	0.02	0.06	9.56	0.40	0.60	0.39	0.02	0.06
9.58	0.40	0.60	0.39	0.02	0.06	9.60	0.40	0.60	0.39	0.02	0.06

:: 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	0.40	0.60	0.38	0.02	0.06	9.64	0.40	0.60	0.38	0.02	0.06
9.66	0.40	0.60	0.38	0.02	0.06	9.68	0.40	0.60	0.38	0.02	0.06
9.70	0.40	0.60	0.38	0.02	0.06	9.72	0.39	0.61	0.38	0.02	0.06
9.74	0.39	0.61	0.38	0.02	0.06	9.76	0.39	0.61	0.38	0.02	0.06
9.78	0.38	0.62	0.37	0.02	0.06	9.80	0.38	0.62	0.37	0.02	0.06
9.82	0.38	0.62	0.37	0.02	0.06	9.84	0.37	0.63	0.37	0.02	0.06
9.86	0.37	0.63	0.37	0.02	0.06	9.88	0.37	0.63	0.37	0.02	0.06
9.90	0.38	0.62	0.37	0.02	0.06	9.92	0.38	0.62	0.37	0.02	0.06
9.94	0.38	0.62	0.37	0.02	0.06	9.96	0.38	0.62	0.37	0.02	0.06
9.98	0.38	0.62	0.37	0.02	0.06	10.00	0.39	0.61	0.38	0.02	0.06
10.02	0.40	0.60	0.38	0.02	0.06	10.04	0.41	0.59	0.39	0.02	0.06
10.06	0.42	0.58	0.40	0.02	0.06	10.08	0.42	0.58	0.40	0.02	0.06
10.10	0.42	0.58	0.40	0.02	0.06	10.12	0.42	0.58	0.40	0.02	0.06
10.14	0.41	0.59	0.39	0.02	0.06	10.16	0.41	0.59	0.39	0.02	0.06
10.18	0.42	0.58	0.40	0.02	0.06	10.20	0.44	0.56	0.42	0.02	0.06
10.22	0.45	0.55	0.43	0.02	0.05	10.24	0.45	0.55	0.43	0.02	0.05
10.26	0.43	0.57	0.41	0.02	0.06	10.28	0.42	0.58	0.40	0.02	0.06
10.30	0.41	0.59	0.40	0.02	0.06	10.32	0.40	0.60	0.39	0.02	0.06
10.34	0.41	0.59	0.39	0.02	0.06	10.36	0.42	0.58	0.40	0.02	0.06
10.38	0.40	0.60	0.39	0.02	0.06	10.40	0.40	0.60	0.39	0.02	0.06
10.42	0.43	0.57	0.41	0.02	0.06	10.44	0.45	0.55	0.43	0.02	0.05
10.46	0.52	0.48	0.50	0.02	0.05	10.48	0.55	0.45	0.54	0.02	0.04
10.50	0.52	0.48	0.51	0.02	0.05	10.52	0.48	0.52	0.46	0.02	0.05
10.54	0.43	0.57	0.41	0.02	0.05	10.56	0.40	0.60	0.38	0.02	0.06
10.58	0.38	0.62	0.37	0.02	0.06	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	0.38	0.62	0.37	0.02	0.06	10.84	0.39	0.61	0.38	0.02	0.06
10.86	0.40	0.60	0.39	0.02	0.05	10.88	0.41	0.59	0.39	0.02	0.05
10.90	0.41	0.59	0.40	0.02	0.05	10.92	0.42	0.58	0.40	0.02	0.05
10.94	0.43	0.57	0.41	0.02	0.05	10.96	0.43	0.57	0.41	0.02	0.05
10.98	0.44	0.56	0.42	0.02	0.05	11.00	0.44	0.56	0.42	0.02	0.05
11.02	0.43	0.57	0.41	0.02	0.05	11.04	0.41	0.59	0.40	0.02	0.05
11.06	0.44	0.56	0.41	0.02	0.05	11.08	0.44	0.56	0.42	0.02	0.05
11.10	0.43	0.57	0.41	0.02	0.05	11.12	0.42	0.58	0.40	0.02	0.05
11.14	0.41	0.59	0.39	0.02	0.05	11.16	0.40	0.60	0.39	0.02	0.05
11.18	0.39	0.61	0.38	0.02	0.05	11.20	0.38	0.62	0.37	0.02	0.05
11.22	0.39	0.61	0.38	0.02	0.05	11.24	0.39	0.61	0.38	0.02	0.05
11.26	0.40	0.60	0.39	0.02	0.05	11.28	0.42	0.58	0.40	0.02	0.05
11.30	0.43	0.57	0.41	0.02	0.05	11.32	0.43	0.57	0.41	0.02	0.05
11.34	0.43	0.57	0.41	0.02	0.05	11.36	0.42	0.58	0.40	0.02	0.05
11.38	0.42	0.58	0.40	0.02	0.05	11.40	0.41	0.59	0.40	0.02	0.05
11.42	0.41	0.59	0.40	0.02	0.05	11.44	0.42	0.58	0.40	0.02	0.05
11.46	0.43	0.57	0.41	0.02	0.05	11.48	0.43	0.57	0.41	0.02	0.05
11.50	0.43	0.57	0.41	0.02	0.05	11.52	0.42	0.58	0.40	0.02	0.05

:: 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	0.40	0.60	0.38	0.02	0.05	11.56	0.39	0.61	0.38	0.02	0.05
11.58	0.40	0.60	0.38	0.02	0.05	11.60	0.41	0.59	0.39	0.02	0.05
11.62	0.41	0.59	0.40	0.02	0.05	11.64	0.42	0.58	0.40	0.02	0.05
11.66	0.43	0.57	0.41	0.02	0.05	11.68	0.48	0.52	0.46	0.02	0.04
11.70	0.52	0.48	0.50	0.02	0.04	11.72	0.47	0.53	0.45	0.02	0.04
11.74	0.44	0.56	0.42	0.02	0.05	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	13.41	2.00	0.00	0.00	0.03	0.00
13.42	2.00	0.00	0.00	0.01	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	0.39	0.61	0.38	0.02	0.04
13.90	0.40	0.60	0.39	0.02	0.04	13.92	0.40	0.60	0.39	0.02	0.04
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	15.13	2.00	0.00	0.00	0.03	0.00
15.14	2.00	0.00	0.00	0.01	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	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	0.58	0.00	0.00	0.02	0.00	24.84	0.62	0.00	0.00	0.02	0.00
24.86	0.65	0.00	0.00	0.02	0.00	24.88	0.65	0.00	0.00	0.02	0.00
24.90	0.65	0.00	0.00	0.02	0.00	24.92	0.63	0.00	0.00	0.02	0.00
24.94	0.61	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	0.64	0.00	0.00	0.02	0.00
25.98	0.96	0.00	0.00	0.02	0.00	26.00	1.23	0.00	0.00	0.02	0.00
26.02	0.97	0.00	0.00	0.02	0.00	26.04	0.78	0.00	0.00	0.02	0.00
26.06	0.83	0.00	0.00	0.02	0.00	26.08	0.87	0.00	0.00	0.02	0.00
26.10	0.85	0.00	0.00	0.02	0.00	26.12	0.91	0.00	0.00	0.02	0.00
26.14	0.94	0.00	0.00	0.02	0.00	26.16	0.99	0.00	0.00	0.02	0.00
26.18	1.05	0.00	0.00	0.02	0.00	26.20	1.09	0.00	0.00	0.02	0.00
26.22	1.09	0.00	0.00	0.02	0.00	26.24	1.04	0.00	0.00	0.02	0.00
26.26	0.96	0.00	0.00	0.02	0.00	26.28	0.98	0.00	0.00	0.02	0.00
26.30	1.06	0.00	0.00	0.02	0.00	26.32	1.11	0.00	0.00	0.02	0.00
26.34	1.18	0.00	0.00	0.02	0.00	26.36	1.17	0.00	0.00	0.02	0.00
26.38	1.12	0.00	0.00	0.02	0.00	26.40	1.07	0.00	0.00	0.02	0.00
26.42	1.02	0.00	0.00	0.02	0.00	26.44	0.97	0.00	0.00	0.02	0.00
26.46	0.93	0.00	0.00	0.02	0.00	26.48	0.90	0.00	0.00	0.02	0.00
26.50	0.88	0.00	0.00	0.02	0.00	26.52	0.89	0.00	0.00	0.02	0.00
26.54	0.88	0.00	0.00	0.02	0.00	26.56	0.90	0.00	0.00	0.02	0.00
26.58	0.90	0.00	0.00	0.02	0.00	26.60	0.94	0.00	0.00	0.02	0.00
26.62	0.99	0.00	0.00	0.02	0.00	26.64	1.05	0.00	0.00	0.02	0.00
26.66	1.12	0.00	0.00	0.02	0.00	26.68	1.09	0.00	0.00	0.02	0.00
26.70	1.01	0.00	0.00	0.02	0.00	26.72	0.90	0.00	0.00	0.02	0.00
26.74	0.81	0.00	0.00	0.02	0.00	26.76	0.70	0.00	0.00	0.02	0.00
26.78	2.00	0.00	0.00	0.02	0.00	26.80	0.77	0.00	0.00	0.02	0.00
26.82	0.95	0.00	0.00	0.02	0.00	26.84	1.19	0.00	0.00	0.02	0.00
26.86	1.21	0.00	0.00	0.02	0.00	26.88	1.14	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	1.07	0.00	0.00	0.02	0.00	26.92	1.02	0.00	0.00	0.02	0.00
26.94	0.98	0.00	0.00	0.02	0.00	26.96	0.90	0.00	0.00	0.02	0.00
26.98	0.84	0.00	0.00	0.02	0.00	27.00	0.81	0.00	0.00	0.02	0.00
27.02	0.82	0.00	0.00	0.02	0.00	27.04	0.83	0.00	0.00	0.02	0.00
27.06	0.84	0.00	0.00	0.02	0.00	27.08	1.23	0.00	0.00	0.02	0.00
27.10	0.66	0.00	0.00	0.02	0.00	27.12	1.18	0.00	0.00	0.02	0.00
27.14	0.84	0.00	0.00	0.02	0.00	27.16	0.85	0.00	0.00	0.02	0.00
27.18	0.88	0.00	0.00	0.02	0.00	27.20	0.92	0.00	0.00	0.02	0.00
27.22	0.96	0.00	0.00	0.02	0.00	27.24	0.98	0.00	0.00	0.02	0.00
27.26	1.01	0.00	0.00	0.02	0.00	27.28	1.02	0.00	0.00	0.02	0.00
27.30	1.00	0.00	0.00	0.02	0.00	27.32	0.96	0.00	0.00	0.02	0.00
27.34	0.92	0.00	0.00	0.02	0.00	27.36	0.91	0.00	0.00	0.02	0.00
27.38	0.92	0.00	0.00	0.02	0.00	27.40	0.97	0.00	0.00	0.02	0.00
27.42	0.96	0.00	0.00	0.02	0.00	27.44	0.91	0.00	0.00	0.02	0.00
27.46	0.81	0.00	0.00	0.02	0.00	27.48	0.71	0.00	0.00	0.02	0.00
27.50	0.69	0.00	0.00	0.02	0.00	27.52	0.72	0.00	0.00	0.02	0.00
27.54	0.78	0.00	0.00	0.02	0.00	27.56	0.90	0.00	0.00	0.02	0.00
27.58	1.00	0.00	0.00	0.02	0.00	27.60	1.02	0.00	0.00	0.02	0.00
27.62	1.03	0.00	0.00	0.02	0.00	27.64	0.95	0.00	0.00	0.02	0.00
27.66	0.86	0.00	0.00	0.02	0.00	27.68	0.80	0.00	0.00	0.02	0.00
27.70	0.77	0.00	0.00	0.02	0.00	27.72	0.75	0.00	0.00	0.02	0.00
27.74	0.76	0.00	0.00	0.02	0.00	27.76	0.80	0.00	0.00	0.02	0.00
27.78	0.82	0.00	0.00	0.02	0.00	27.80	0.83	0.00	0.00	0.02	0.00
27.82	0.83	0.00	0.00	0.02	0.00	27.84	0.81	0.00	0.00	0.02	0.00
27.86	0.81	0.00	0.00	0.02	0.00	27.88	0.81	0.00	0.00	0.02	0.00
27.90	0.81	0.00	0.00	0.02	0.00	27.92	0.81	0.00	0.00	0.02	0.00
27.94	0.81	0.00	0.00	0.02	0.00	27.96	0.81	0.00	0.00	0.02	0.00
27.98	0.79	0.00	0.00	0.02	0.00	28.00	0.79	0.00	0.00	0.02	0.00
28.02	0.79	0.00	0.00	0.02	0.00	28.04	0.80	0.00	0.00	0.02	0.00
28.06	0.80	0.00	0.00	0.02	0.00	28.08	0.80	0.00	0.00	0.02	0.00
28.10	0.83	0.00	0.00	0.02	0.00	28.12	0.80	0.00	0.00	0.02	0.00
28.14	0.83	0.00	0.00	0.02	0.00	28.16	0.81	0.00	0.00	0.02	0.00
28.18	0.79	0.00	0.00	0.02	0.00	28.20	0.80	0.00	0.00	0.02	0.00
28.22	0.80	0.00	0.00	0.02	0.00	28.24	0.81	0.00	0.00	0.02	0.00
28.26	0.82	0.00	0.00	0.02	0.00	28.28	0.82	0.00	0.00	0.02	0.00
28.30	0.80	0.00	0.00	0.02	0.00	28.32	0.79	0.00	0.00	0.02	0.00
28.34	0.78	0.00	0.00	0.02	0.00	28.36	0.77	0.00	0.00	0.02	0.00
28.38	0.75	0.00	0.00	0.02	0.00	28.40	0.75	0.00	0.00	0.02	0.00
28.42	0.77	0.00	0.00	0.02	0.00	28.44	0.78	0.00	0.00	0.02	0.00
28.46	0.78	0.00	0.00	0.02	0.00	28.48	0.79	0.00	0.00	0.02	0.00
28.50	0.79	0.00	0.00	0.02	0.00	28.52	0.79	0.00	0.00	0.02	0.00
28.54	0.80	0.00	0.00	0.02	0.00	28.56	0.81	0.00	0.00	0.02	0.00
28.58	0.81	0.00	0.00	0.02	0.00	28.60	0.83	0.00	0.00	0.02	0.00
28.62	0.80	0.00	0.00	0.02	0.00	28.64	0.75	0.00	0.00	0.02	0.00
28.66	0.70	0.00	0.00	0.02	0.00	28.68	0.68	0.00	0.00	0.02	0.00
28.70	0.68	0.00	0.00	0.02	0.00	28.72	0.69	0.00	0.00	0.02	0.00
28.74	0.69	0.00	0.00	0.02	0.00	28.76	0.69	0.00	0.00	0.02	0.00
28.78	0.71	0.00	0.00	0.02	0.00	28.80	0.74	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	0.78	0.00	0.00	0.02	0.00	28.84	0.79	0.00	0.00	0.02	0.00
28.86	0.79	0.00	0.00	0.02	0.00	28.88	0.77	0.00	0.00	0.02	0.00
28.90	0.75	0.00	0.00	0.02	0.00	28.92	0.71	0.00	0.00	0.02	0.00
28.94	0.68	0.00	0.00	0.02	0.00	28.96	0.68	0.00	0.00	0.02	0.00
28.98	0.69	0.00	0.00	0.02	0.00	29.00	0.70	0.00	0.00	0.02	0.00
29.02	0.70	0.00	0.00	0.02	0.00	29.04	0.69	0.00	0.00	0.02	0.00
29.06	0.68	0.00	0.00	0.02	0.00	29.08	0.67	0.00	0.00	0.02	0.00
29.10	0.65	0.00	0.00	0.02	0.00	29.12	0.78	0.00	0.00	0.02	0.00
29.14	0.75	0.00	0.00	0.02	0.00	29.16	0.90	0.00	0.00	0.02	0.00
29.18	0.75	0.00	0.00	0.02	0.00	29.20	0.67	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	0.75	0.00	0.00	0.02	0.00

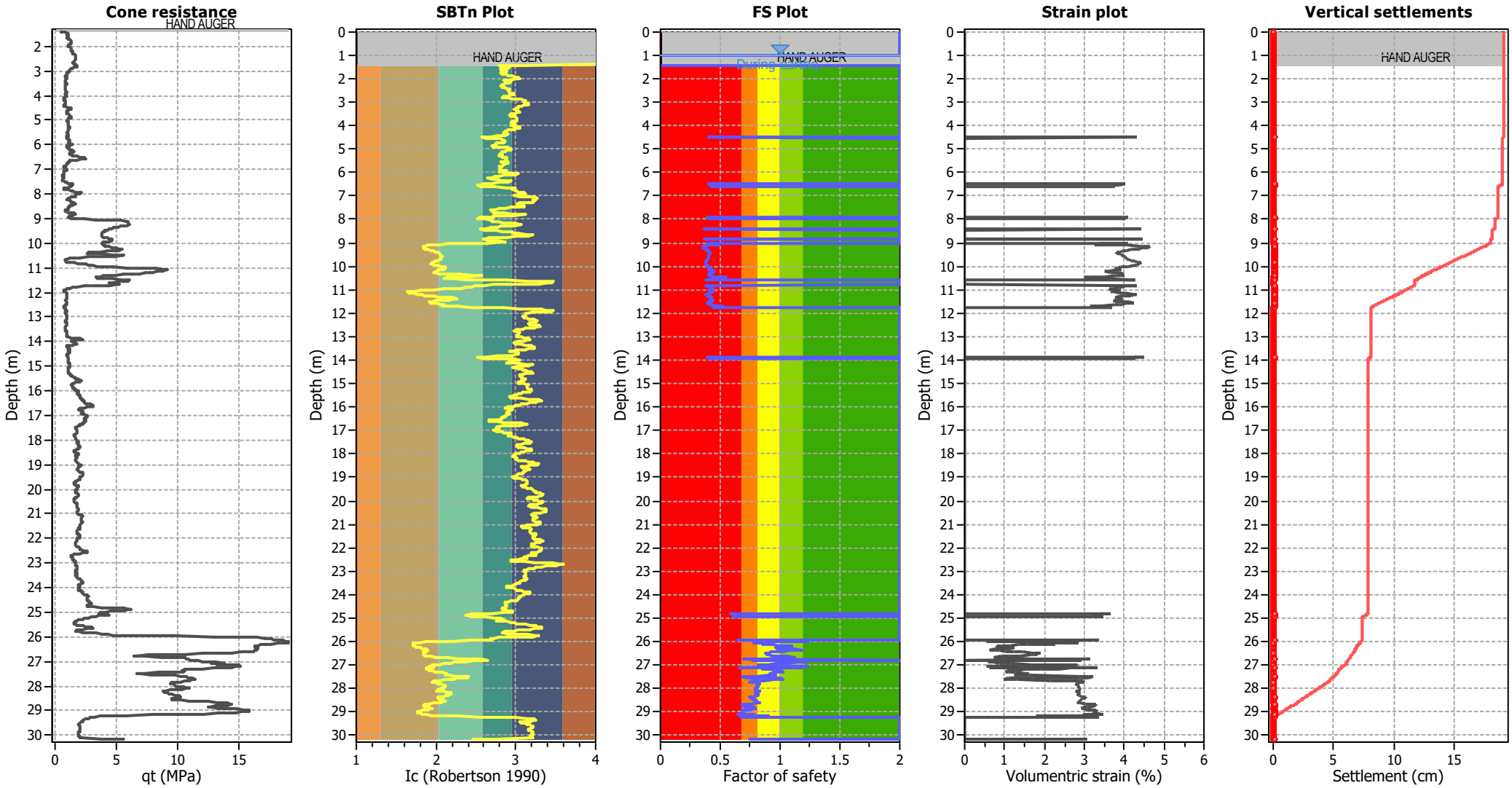
Overall liquefaction potential: 8.24

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

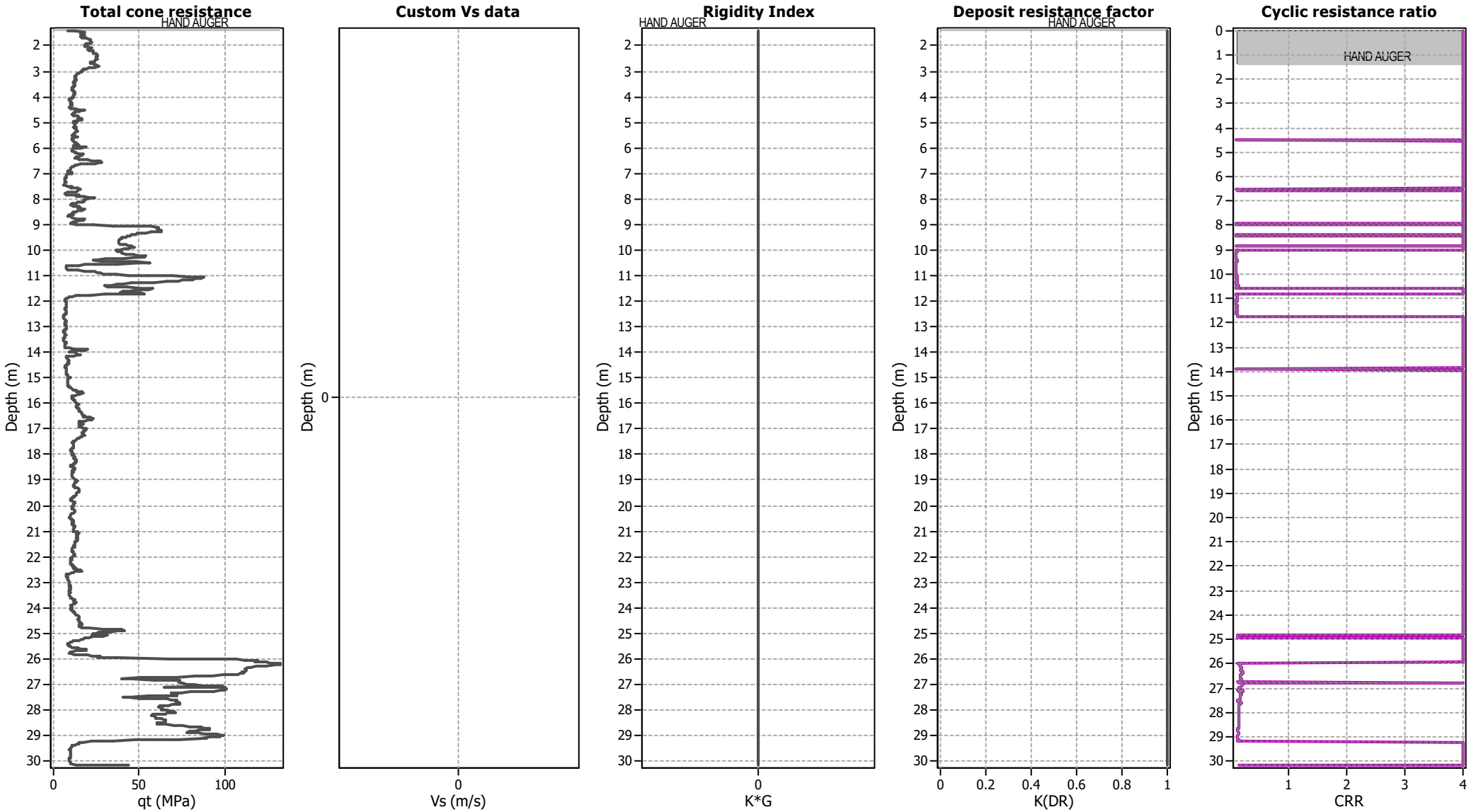
Estimation of post-earthquake settlements



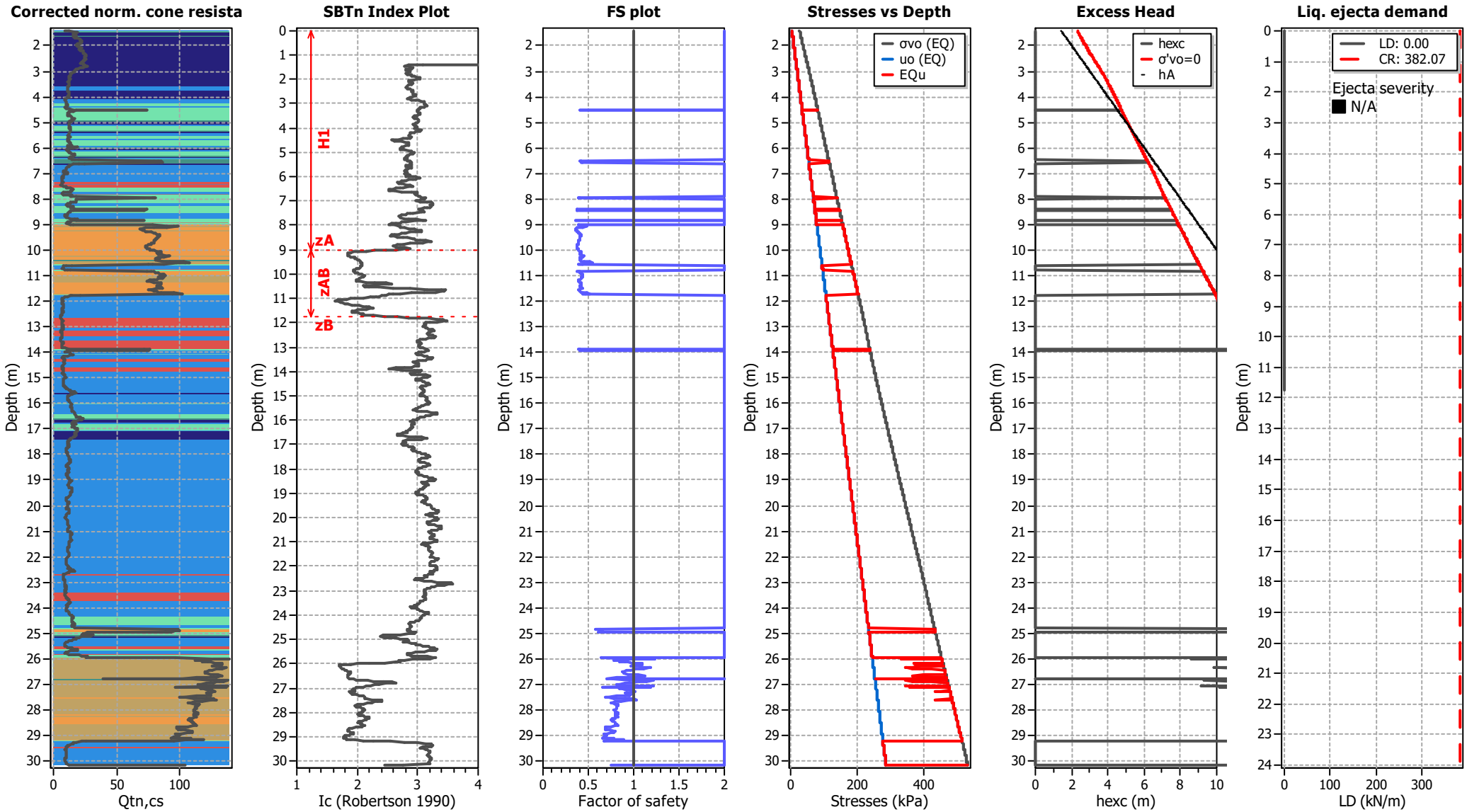
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



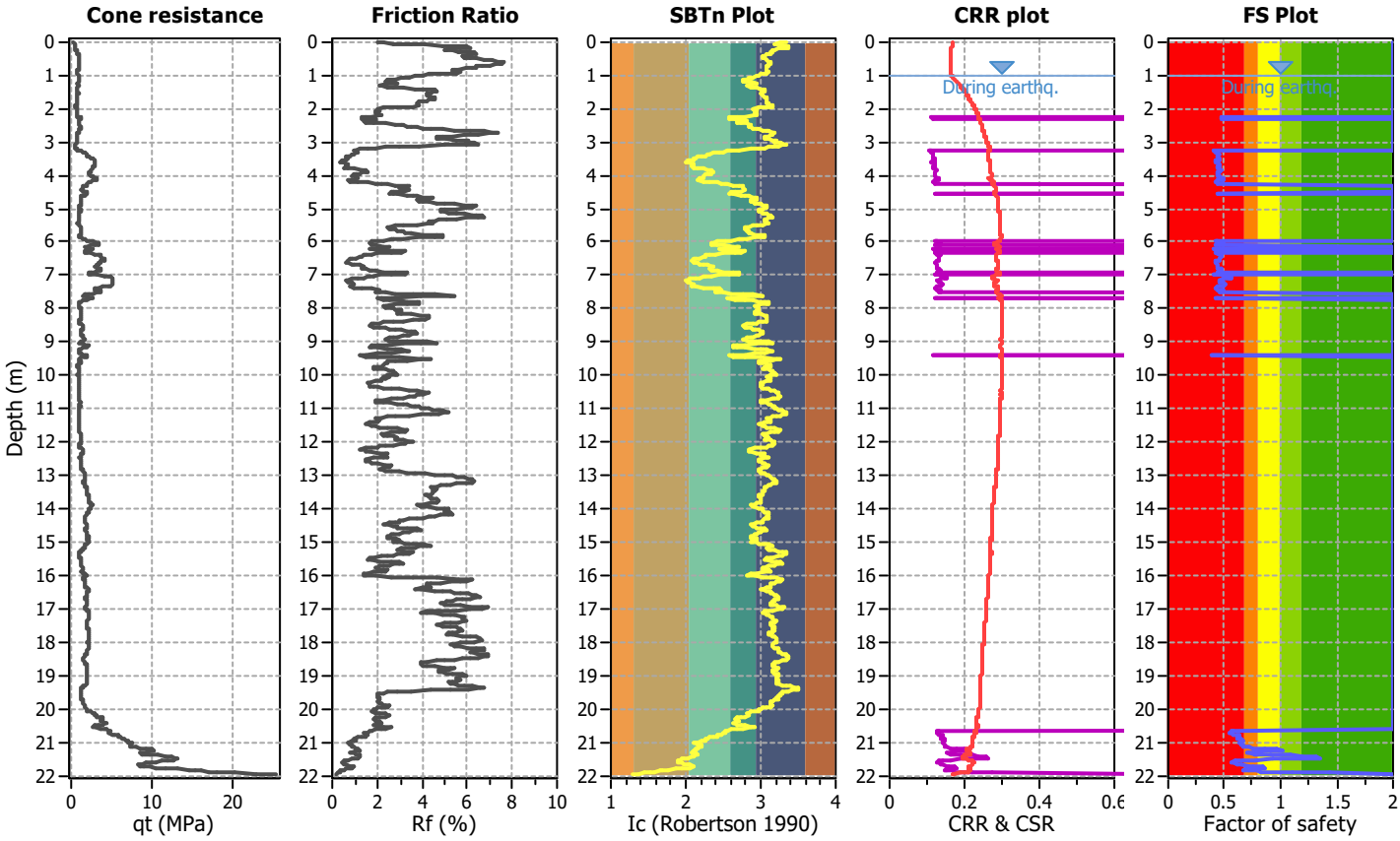
LIQUEFACTION ANALYSIS REPORT

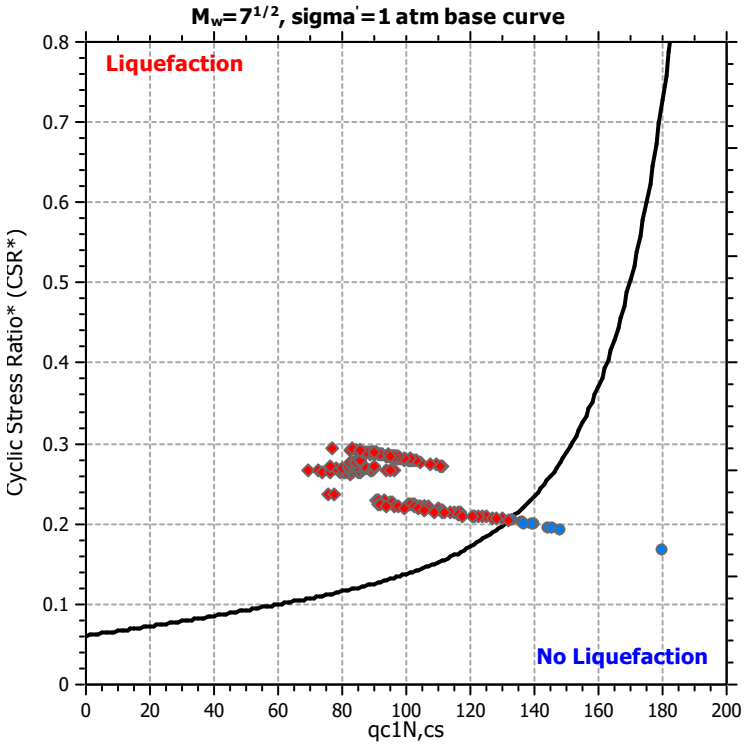
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,24**

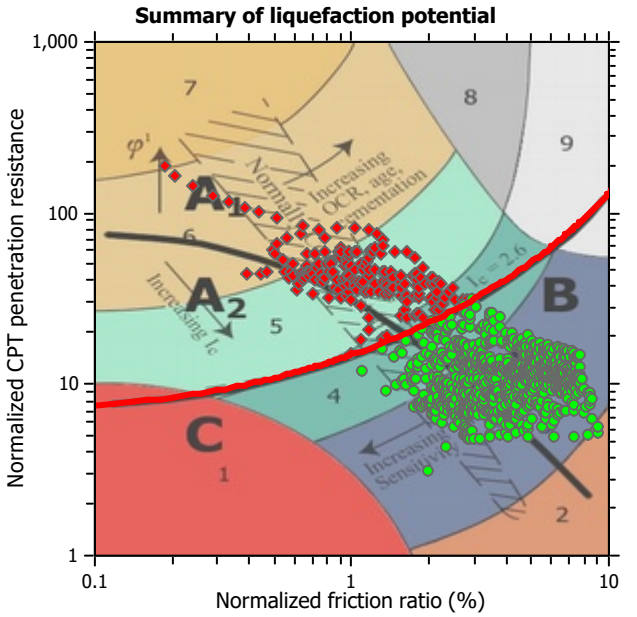
CPT file : 039017P71CPTU72

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.24	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

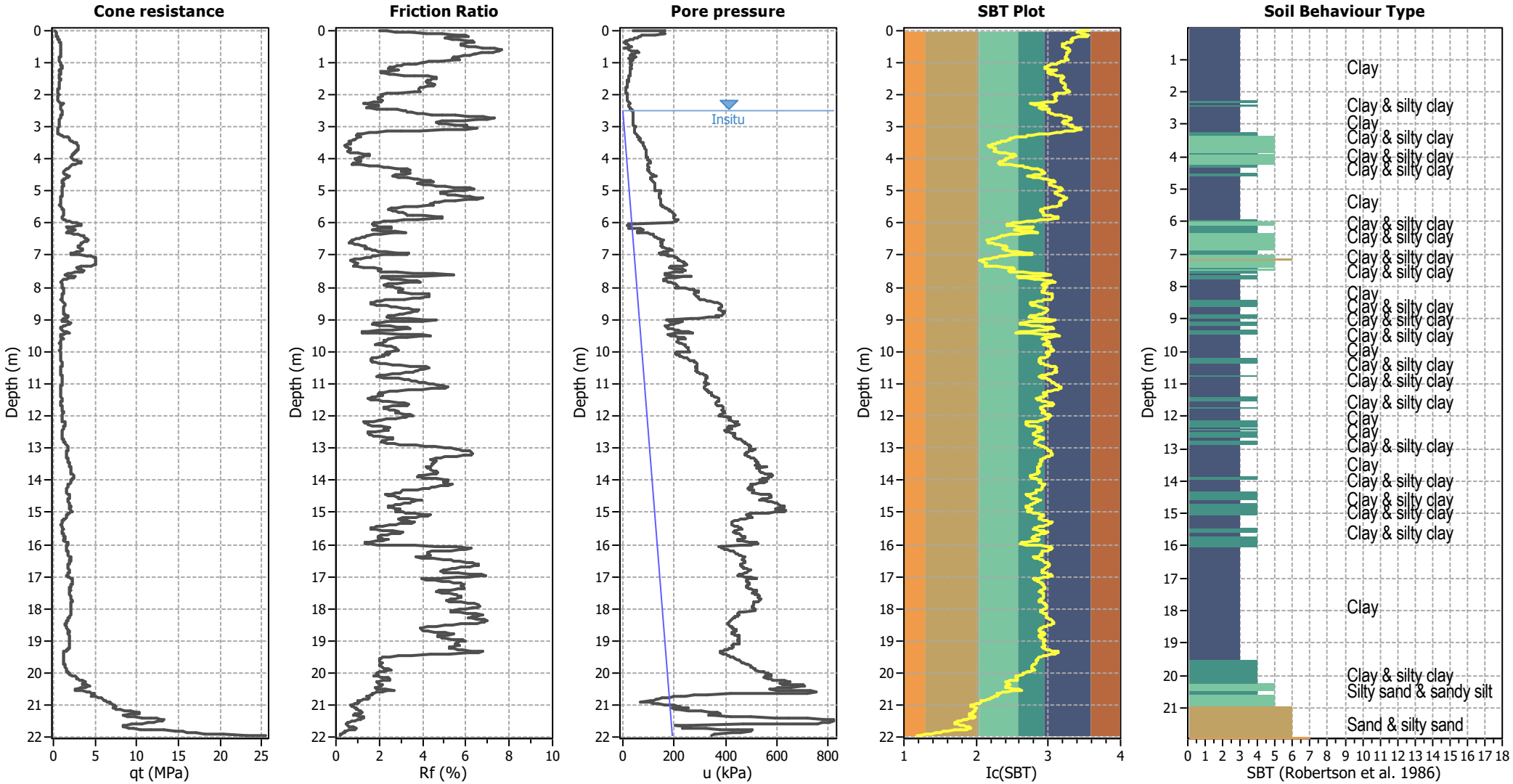






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



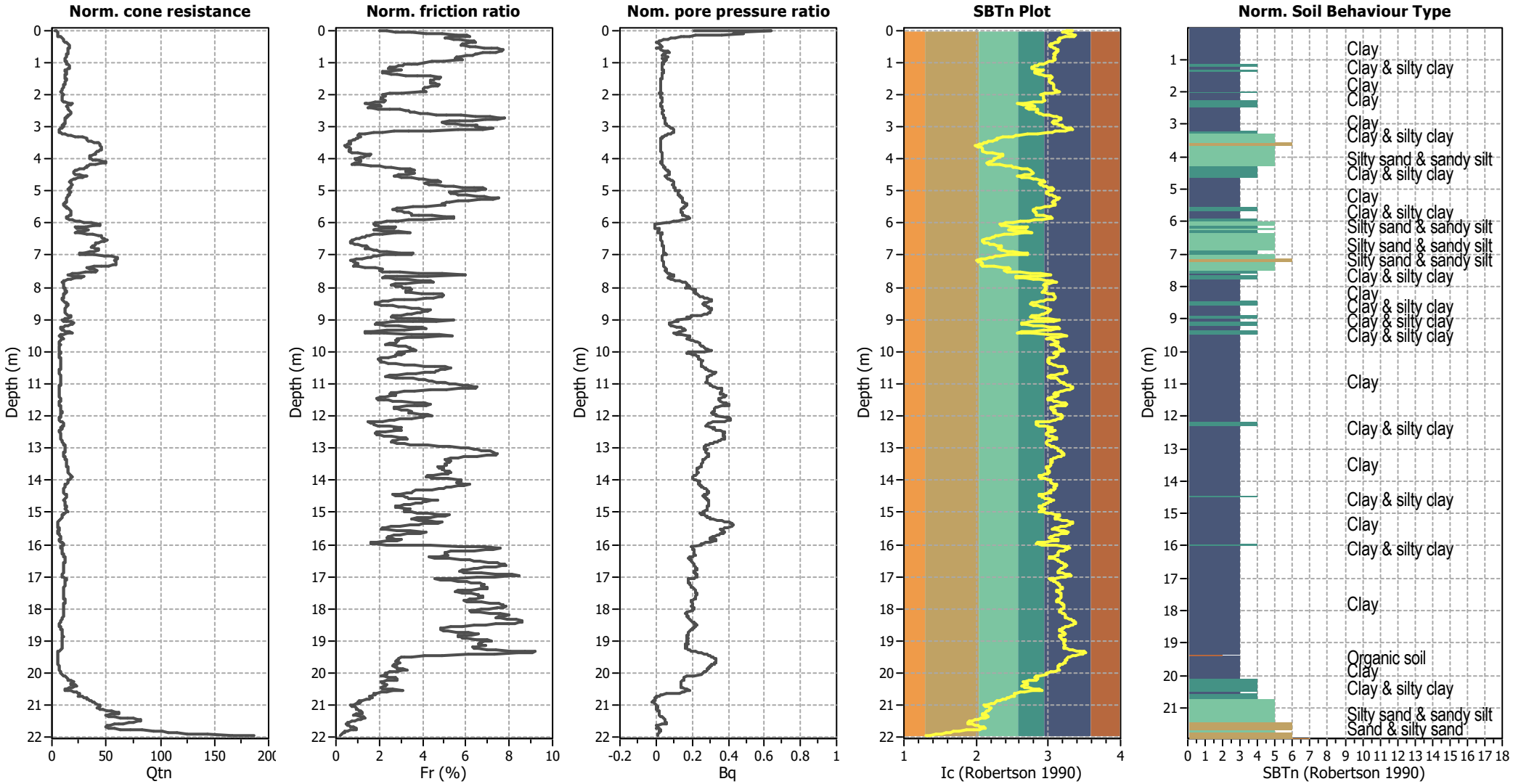
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



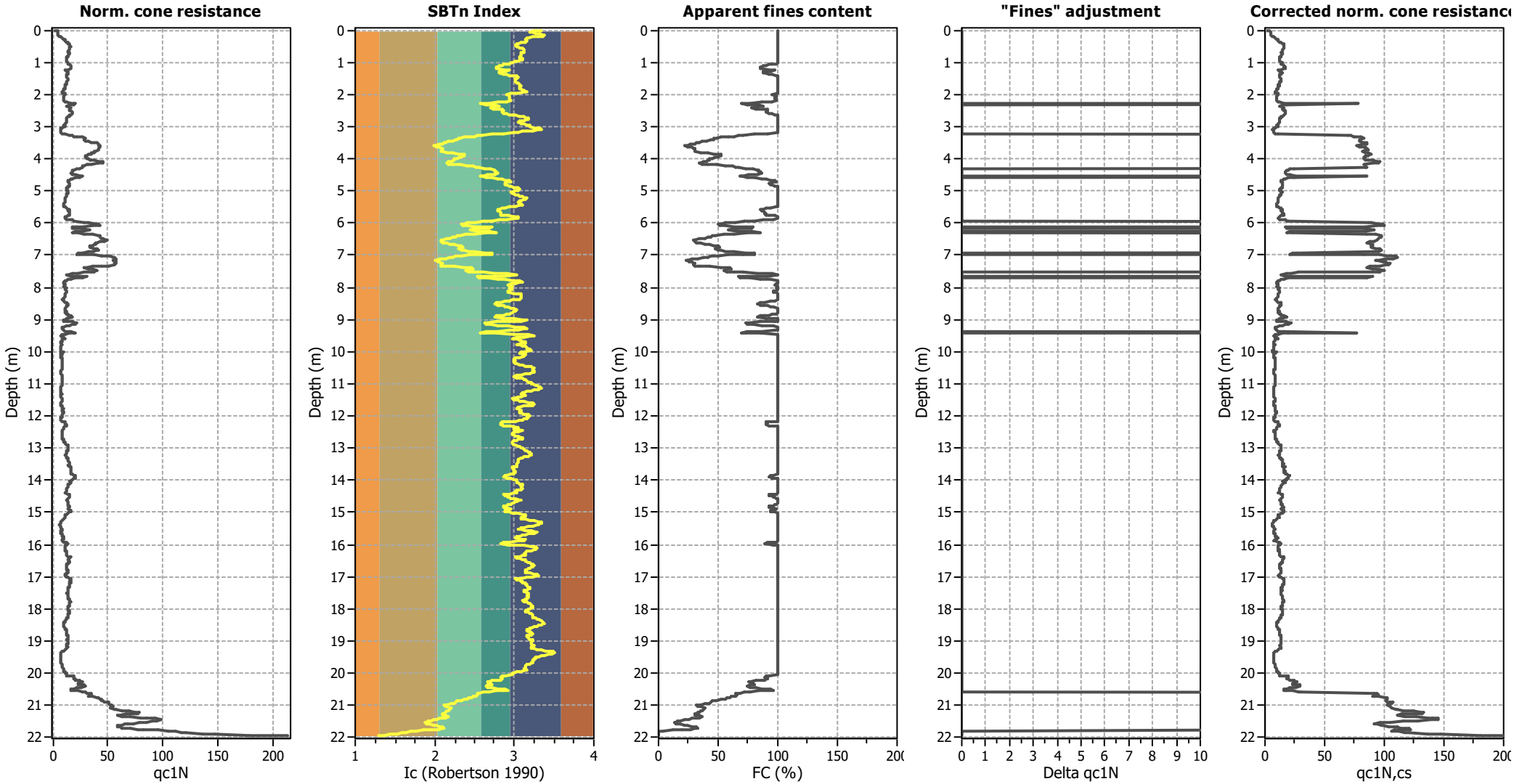
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

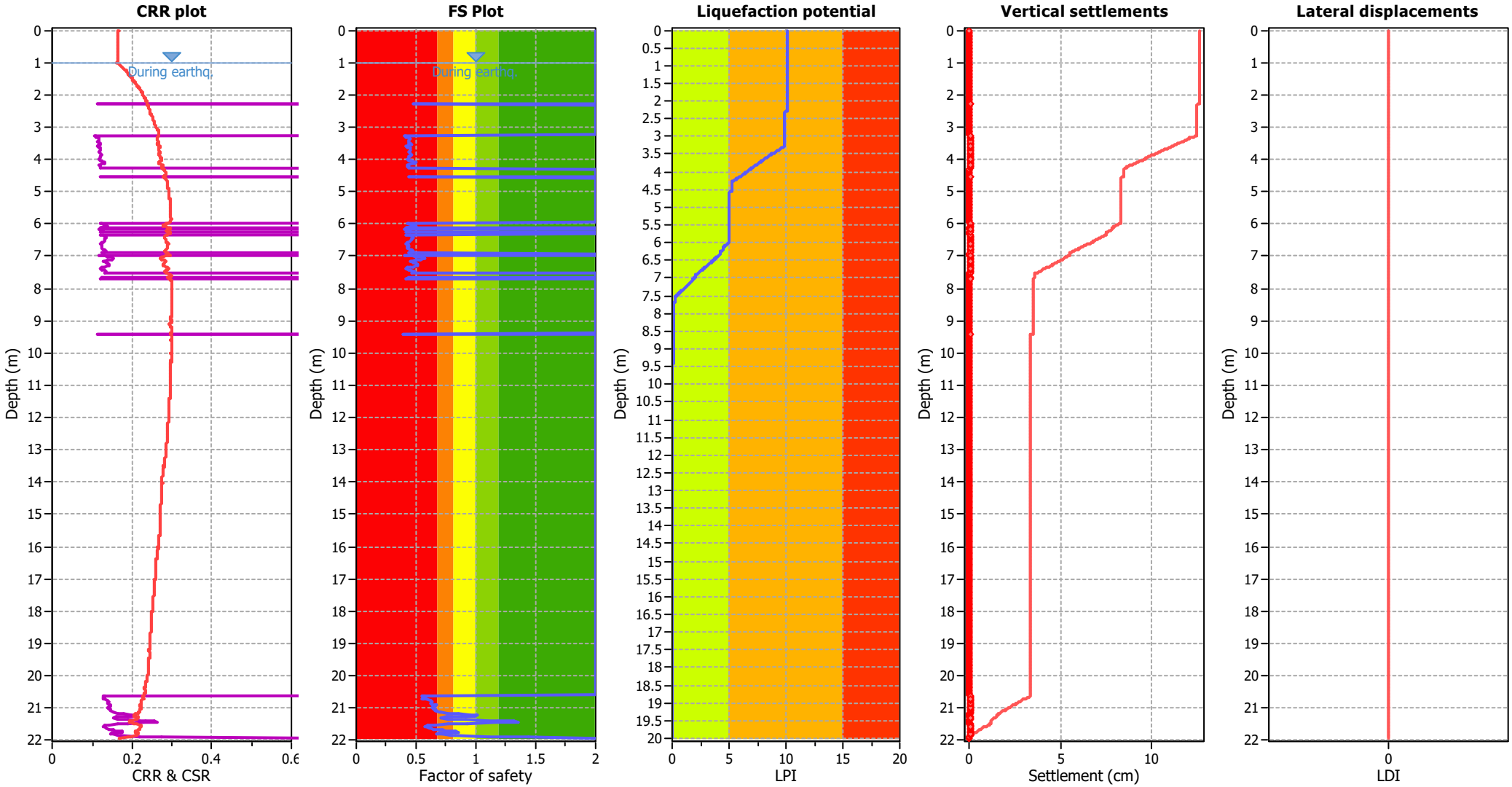
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

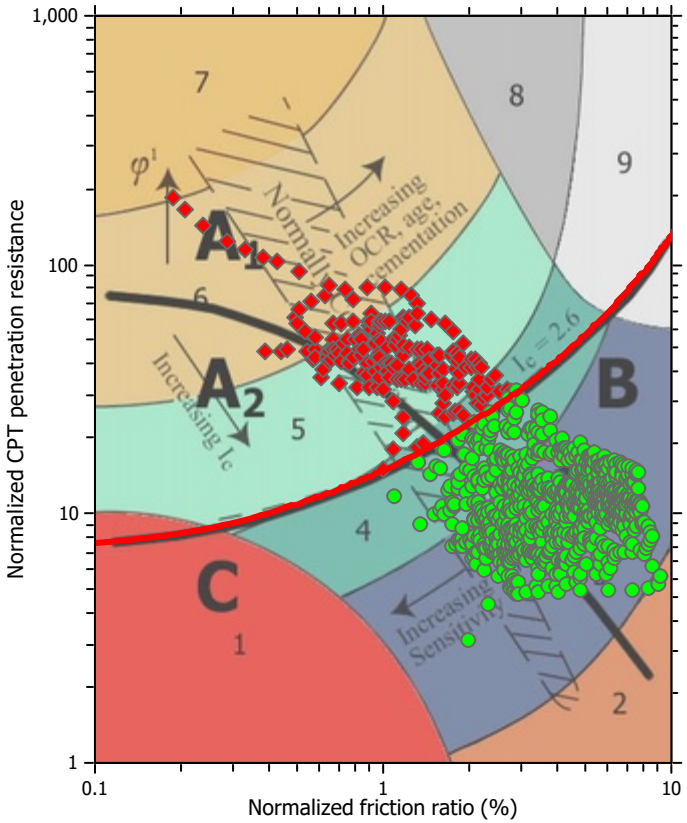
F.S. color scheme

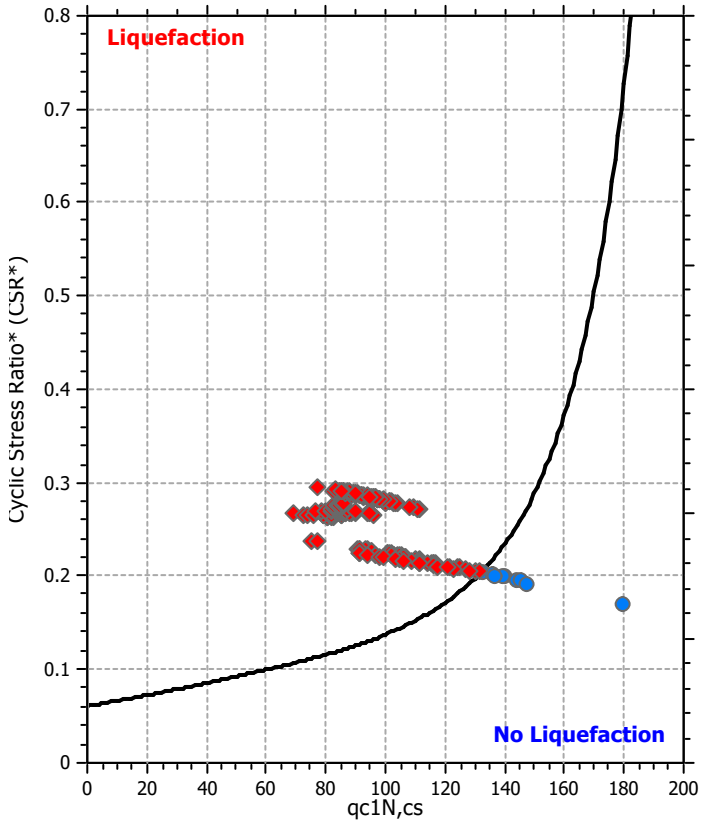
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

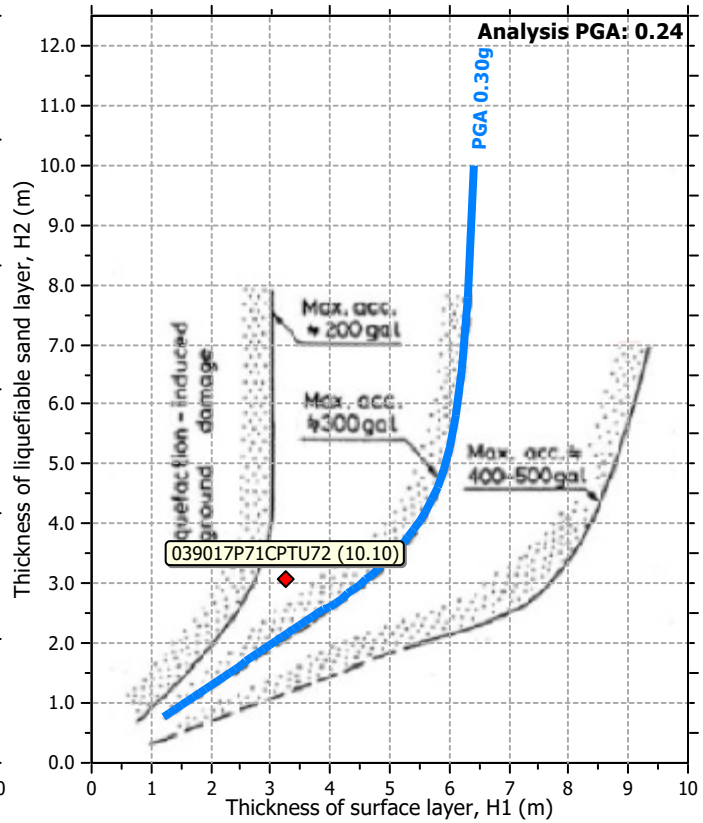
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



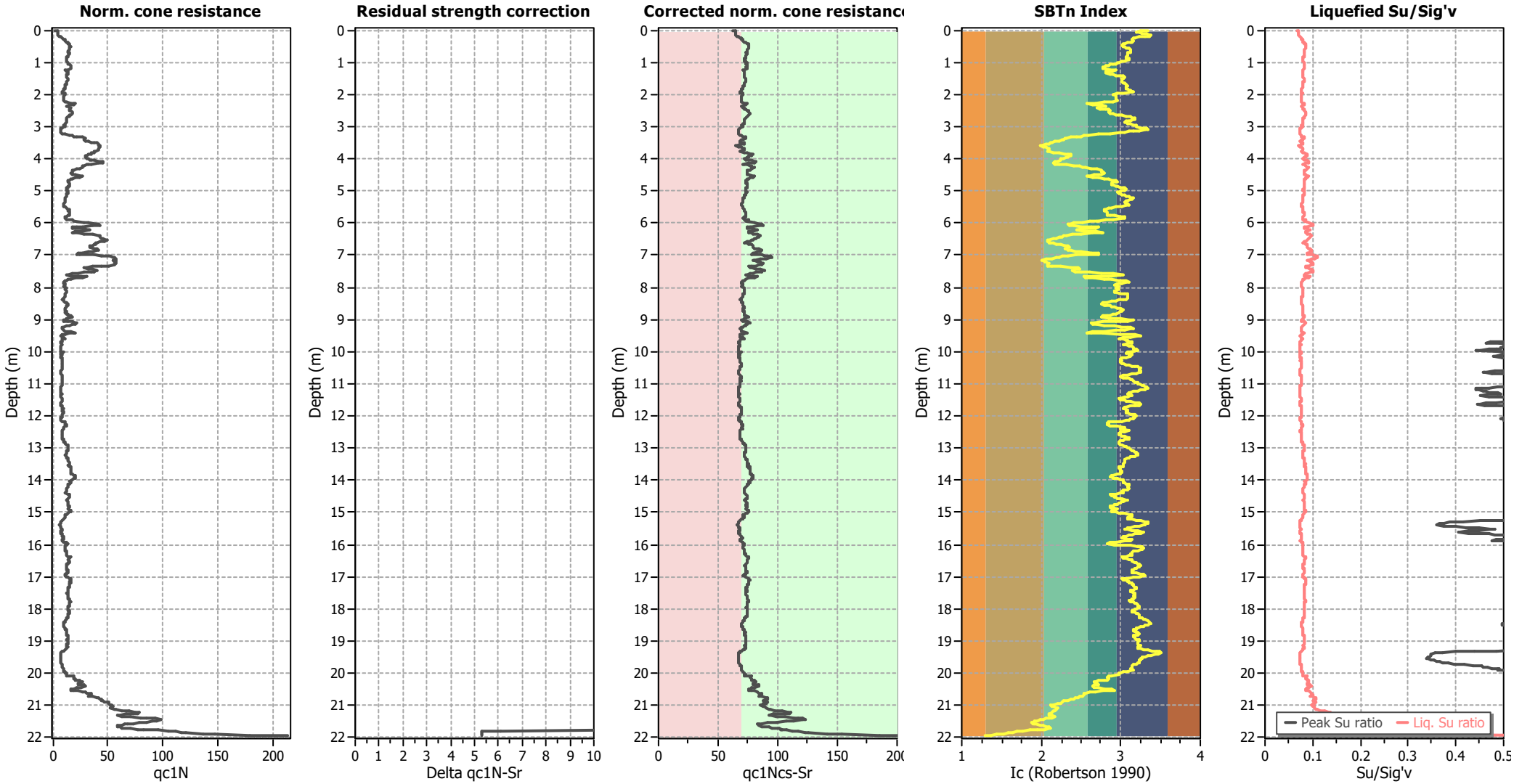




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.24	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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	0.47	0.00	0.00	0.02	0.09
2.30	0.48	0.00	0.00	0.02	0.09	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	0.40	0.60	0.39	0.02	0.10	3.28	0.41	0.59	0.39	0.02	0.10
3.30	0.42	0.58	0.40	0.02	0.10	3.32	0.43	0.57	0.41	0.02	0.10
3.34	0.44	0.56	0.42	0.02	0.09	3.36	0.45	0.55	0.43	0.02	0.09
3.38	0.45	0.55	0.43	0.02	0.09	3.40	0.44	0.56	0.42	0.02	0.09
3.42	0.44	0.56	0.41	0.02	0.09	3.44	0.43	0.57	0.41	0.02	0.09
3.46	0.43	0.57	0.41	0.02	0.09	3.48	0.44	0.56	0.42	0.02	0.09
3.50	0.45	0.55	0.42	0.02	0.09	3.52	0.46	0.54	0.43	0.02	0.09
3.54	0.46	0.54	0.43	0.02	0.09	3.56	0.44	0.56	0.42	0.02	0.09
3.58	0.43	0.57	0.41	0.02	0.09	3.60	0.42	0.58	0.40	0.02	0.10
3.62	0.43	0.57	0.41	0.02	0.09	3.64	0.45	0.55	0.42	0.02	0.09
3.66	0.45	0.55	0.43	0.02	0.09	3.68	0.46	0.54	0.43	0.02	0.09
3.70	0.45	0.55	0.43	0.02	0.09	3.72	0.46	0.54	0.43	0.02	0.09
3.74	0.45	0.55	0.43	0.02	0.09	3.76	0.44	0.56	0.41	0.02	0.09
3.78	0.43	0.57	0.41	0.02	0.09	3.80	0.45	0.55	0.42	0.02	0.09
3.82	0.45	0.55	0.43	0.02	0.09	3.84	0.46	0.54	0.44	0.02	0.09

:: 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	0.47	0.53	0.45	0.02	0.09	3.88	0.46	0.54	0.44	0.02	0.09
3.90	0.45	0.55	0.43	0.02	0.09	3.92	0.44	0.56	0.42	0.02	0.09
3.94	0.44	0.56	0.42	0.02	0.09	3.96	0.44	0.56	0.42	0.02	0.09
3.98	0.43	0.57	0.41	0.02	0.09	4.00	0.43	0.57	0.41	0.02	0.09
4.02	0.44	0.56	0.42	0.02	0.09	4.04	0.45	0.55	0.43	0.02	0.09
4.06	0.47	0.53	0.44	0.02	0.08	4.08	0.49	0.51	0.46	0.02	0.08
4.10	0.50	0.50	0.48	0.02	0.08	4.12	0.49	0.51	0.47	0.02	0.08
4.14	0.47	0.53	0.44	0.02	0.08	4.16	0.43	0.57	0.41	0.02	0.09
4.18	0.43	0.57	0.41	0.02	0.09	4.20	0.43	0.57	0.41	0.02	0.09
4.22	0.43	0.57	0.41	0.02	0.09	4.24	0.43	0.57	0.41	0.02	0.09
4.26	0.43	0.57	0.41	0.02	0.09	4.28	0.44	0.56	0.42	0.02	0.09
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	0.43	0.57	0.41	0.02	0.09	4.56	0.43	0.57	0.41	0.02	0.09
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	0.42	0.58	0.40	0.02	0.08	6.00	0.43	0.57	0.41	0.02	0.08
6.02	0.47	0.53	0.44	0.02	0.07	6.04	0.49	0.51	0.47	0.02	0.07
6.06	0.49	0.51	0.47	0.02	0.07	6.08	0.46	0.54	0.44	0.02	0.08
6.10	0.41	0.59	0.40	0.02	0.08	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	0.41	0.59	0.39	0.02	0.08	6.20	0.44	0.56	0.42	0.02	0.08
6.22	0.45	0.55	0.42	0.02	0.08	6.24	0.41	0.59	0.40	0.02	0.08
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	0.42	0.58	0.40	0.02	0.08	6.36	0.45	0.55	0.43	0.02	0.07
6.38	0.48	0.52	0.45	0.02	0.07	6.40	0.48	0.52	0.45	0.02	0.07
6.42	0.47	0.53	0.45	0.02	0.07	6.44	0.47	0.53	0.45	0.02	0.07
6.46	0.47	0.53	0.44	0.02	0.07	6.48	0.46	0.54	0.44	0.02	0.07
6.50	0.46	0.54	0.44	0.02	0.07	6.52	0.46	0.54	0.43	0.02	0.07
6.54	0.46	0.54	0.43	0.02	0.07	6.56	0.44	0.56	0.42	0.02	0.07
6.58	0.43	0.57	0.41	0.02	0.08	6.60	0.42	0.58	0.40	0.02	0.08
6.62	0.42	0.58	0.40	0.02	0.08	6.64	0.42	0.58	0.40	0.02	0.08
6.66	0.43	0.57	0.41	0.02	0.08	6.68	0.44	0.56	0.42	0.02	0.07
6.70	0.44	0.56	0.42	0.02	0.07	6.72	0.43	0.57	0.41	0.02	0.08
6.74	0.43	0.57	0.41	0.02	0.08	6.76	0.43	0.57	0.41	0.02	0.08
6.78	0.45	0.55	0.42	0.02	0.07	6.80	0.46	0.54	0.44	0.02	0.07
6.82	0.47	0.53	0.44	0.02	0.07	6.84	0.48	0.52	0.45	0.02	0.07
6.86	0.47	0.53	0.45	0.02	0.07	6.88	0.46	0.54	0.44	0.02	0.07
6.90	0.44	0.56	0.42	0.02	0.07	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	0.40	0.60	0.39	0.02	0.08	7.00	0.47	0.53	0.44	0.02	0.07
7.02	0.50	0.50	0.48	0.02	0.06	7.04	0.55	0.45	0.55	0.02	0.06
7.06	0.57	0.43	0.58	0.02	0.06	7.08	0.56	0.44	0.56	0.02	0.06
7.10	0.54	0.46	0.53	0.02	0.06	7.12	0.50	0.50	0.48	0.02	0.06
7.14	0.46	0.54	0.44	0.02	0.07	7.16	0.45	0.55	0.42	0.02	0.07
7.18	0.46	0.54	0.43	0.02	0.07	7.20	0.48	0.52	0.45	0.02	0.07
7.22	0.50	0.50	0.48	0.02	0.06	7.24	0.51	0.49	0.49	0.02	0.06
7.26	0.52	0.48	0.50	0.02	0.06	7.28	0.51	0.49	0.49	0.02	0.06
7.30	0.49	0.51	0.47	0.02	0.06	7.32	0.47	0.53	0.45	0.02	0.07
7.34	0.45	0.55	0.42	0.02	0.07	7.36	0.42	0.58	0.40	0.02	0.07
7.38	0.42	0.58	0.40	0.02	0.07	7.40	0.42	0.58	0.40	0.02	0.07
7.42	0.43	0.57	0.41	0.02	0.07	7.44	0.46	0.54	0.43	0.02	0.07
7.46	0.49	0.51	0.46	0.02	0.06	7.48	0.48	0.52	0.45	0.02	0.07
7.50	0.47	0.53	0.44	0.02	0.07	7.52	0.46	0.54	0.44	0.02	0.07
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	0.43	0.57	0.41	0.02	0.07

:: 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	0.42	0.58	0.40	0.02	0.07	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	0.38	0.62	0.37	0.02	0.07
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	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	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	13.05	2.00	0.00	0.00	0.03	0.00
13.06	2.00	0.00	0.00	0.01	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	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	0.55	0.00	0.00	0.02	0.00	20.64	0.57	0.00	0.00	0.02	0.00
20.66	0.58	0.00	0.00	0.02	0.00	20.68	0.57	0.00	0.00	0.02	0.00
20.70	0.55	0.00	0.00	0.02	0.00	20.72	0.56	0.00	0.00	0.02	0.00
20.74	0.58	0.00	0.00	0.02	0.00	20.76	0.62	0.00	0.00	0.02	0.00
20.78	0.63	0.00	0.00	0.02	0.00	20.80	0.63	0.00	0.00	0.02	0.00
20.82	0.63	0.00	0.00	0.02	0.00	20.84	0.62	0.00	0.00	0.02	0.00
20.86	0.62	0.00	0.00	0.02	0.00	20.88	0.63	0.00	0.00	0.02	0.00
20.90	0.65	0.00	0.00	0.02	0.00	20.92	0.67	0.00	0.00	0.02	0.00
20.94	0.66	0.00	0.00	0.02	0.00	20.96	0.64	0.00	0.00	0.02	0.00
20.98	0.64	0.00	0.00	0.02	0.00	21.00	0.63	0.00	0.00	0.02	0.00
21.02	0.65	0.00	0.00	0.02	0.00	21.04	0.66	0.00	0.00	0.02	0.00
21.06	0.66	0.00	0.00	0.02	0.00	21.08	0.66	0.00	0.00	0.02	0.00
21.10	0.66	0.00	0.00	0.02	0.00	21.12	0.70	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	0.71	0.00	0.00	0.02	0.00	21.16	0.76	0.00	0.00	0.02	0.00
21.18	0.86	0.00	0.00	0.02	0.00	21.20	0.96	0.00	0.00	0.02	0.00
21.22	1.01	0.00	0.00	0.02	0.00	21.24	0.99	0.00	0.00	0.02	0.00
21.26	0.88	0.00	0.00	0.02	0.00	21.28	0.75	0.00	0.00	0.02	0.00
21.30	0.71	0.00	0.00	0.02	0.00	21.32	0.71	0.00	0.00	0.02	0.00
21.34	0.77	0.00	0.00	0.02	0.00	21.36	0.91	0.00	0.00	0.02	0.00
21.38	1.09	0.00	0.00	0.02	0.00	21.40	1.18	0.00	0.00	0.02	0.00
21.42	1.31	0.00	0.00	0.02	0.00	21.44	1.35	0.00	0.00	0.02	0.00
21.46	1.17	0.00	0.00	0.02	0.00	21.48	0.93	0.00	0.00	0.02	0.00
21.50	0.77	0.00	0.00	0.02	0.00	21.52	0.66	0.00	0.00	0.02	0.00
21.54	0.60	0.00	0.00	0.02	0.00	21.56	0.57	0.00	0.00	0.02	0.00
21.58	0.57	0.00	0.00	0.02	0.00	21.60	0.58	0.00	0.00	0.02	0.00
21.62	0.61	0.00	0.00	0.02	0.00	21.64	0.62	0.00	0.00	0.02	0.00
21.66	0.65	0.00	0.00	0.02	0.00	21.68	0.72	0.00	0.00	0.02	0.00
21.70	0.75	0.00	0.00	0.02	0.00	21.72	0.83	0.00	0.00	0.02	0.00
21.74	0.85	0.00	0.00	0.02	0.00	21.76	0.77	0.00	0.00	0.02	0.00
21.78	0.70	0.00	0.00	0.02	0.00	21.80	0.67	0.00	0.00	0.02	0.00
21.82	0.73	0.00	0.00	0.02	0.00	21.84	0.79	0.00	0.00	0.02	0.00
21.86	0.83	0.00	0.00	0.02	0.00	21.88	1.11	0.00	0.00	0.02	0.00
21.90	1.44	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						

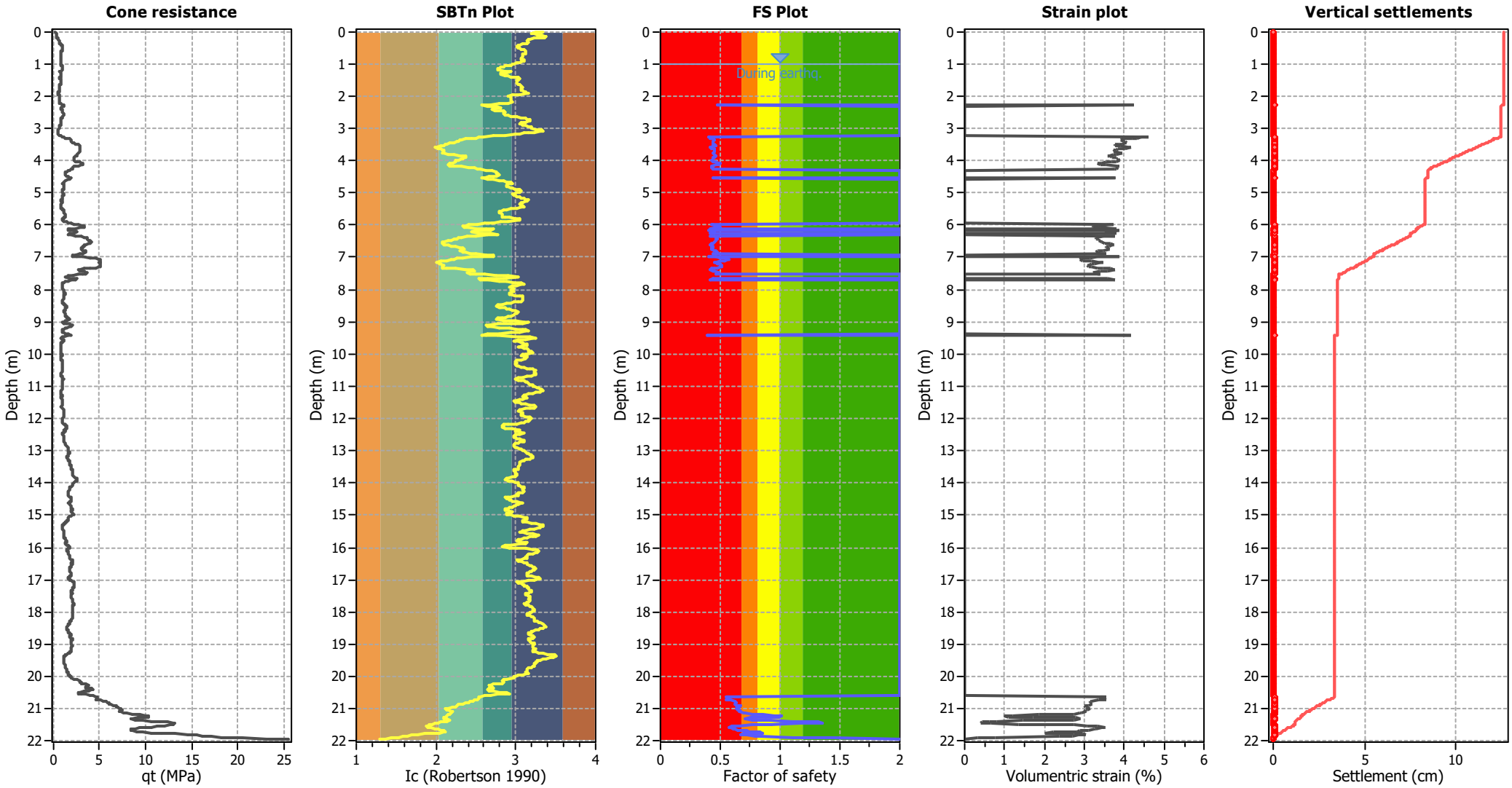
Overall liquefaction potential: 10.10

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

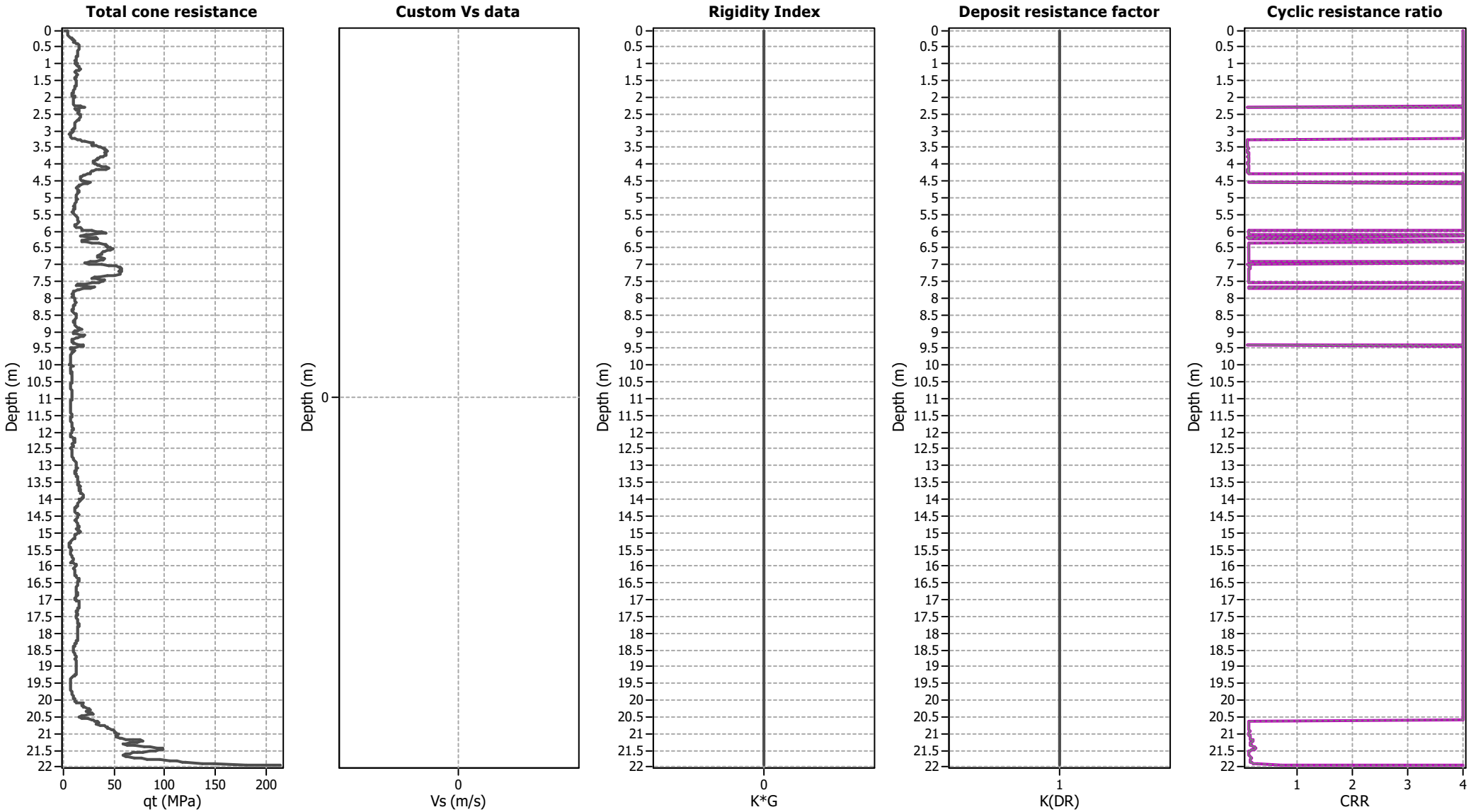
Estimation of post-earthquake settlements



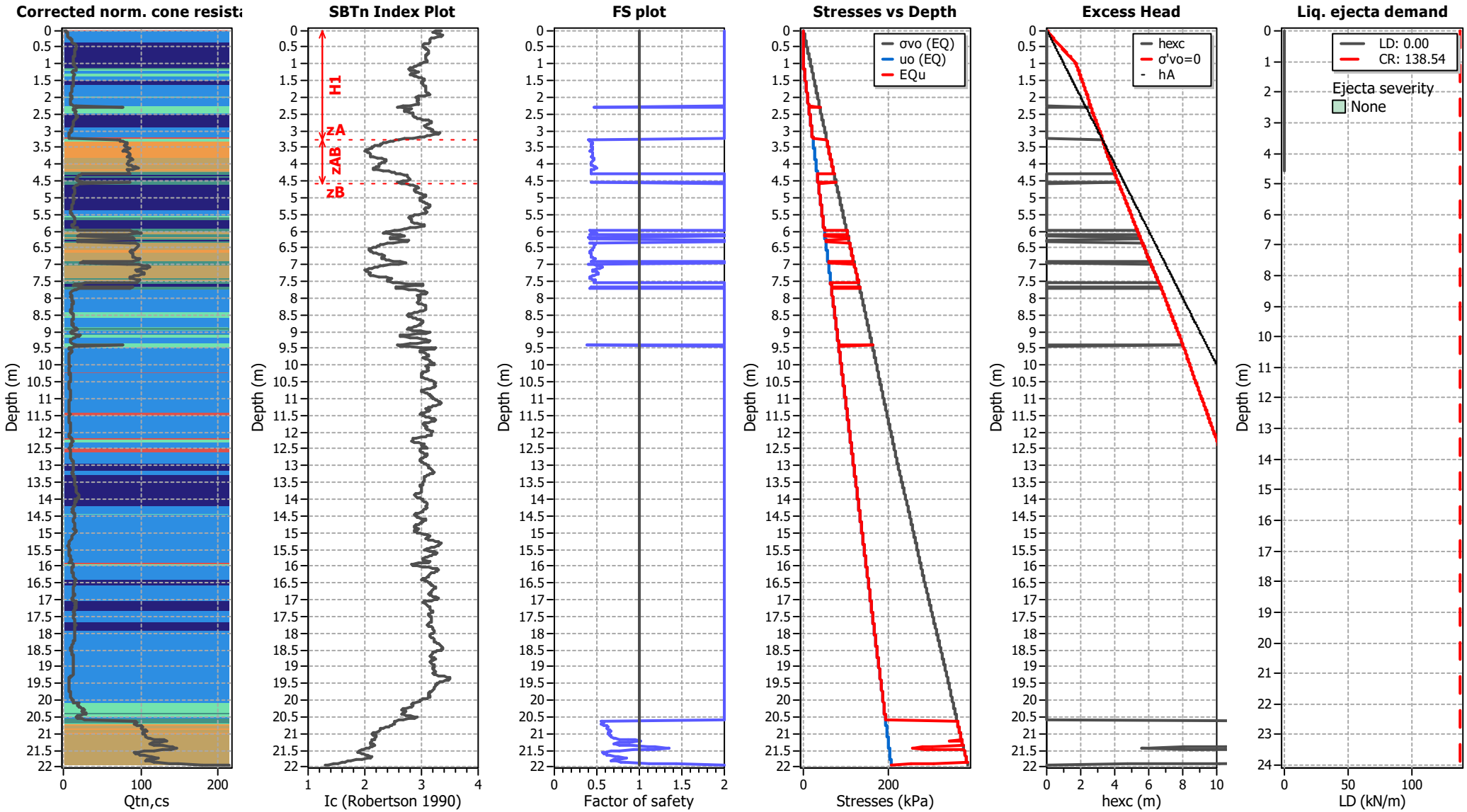
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation

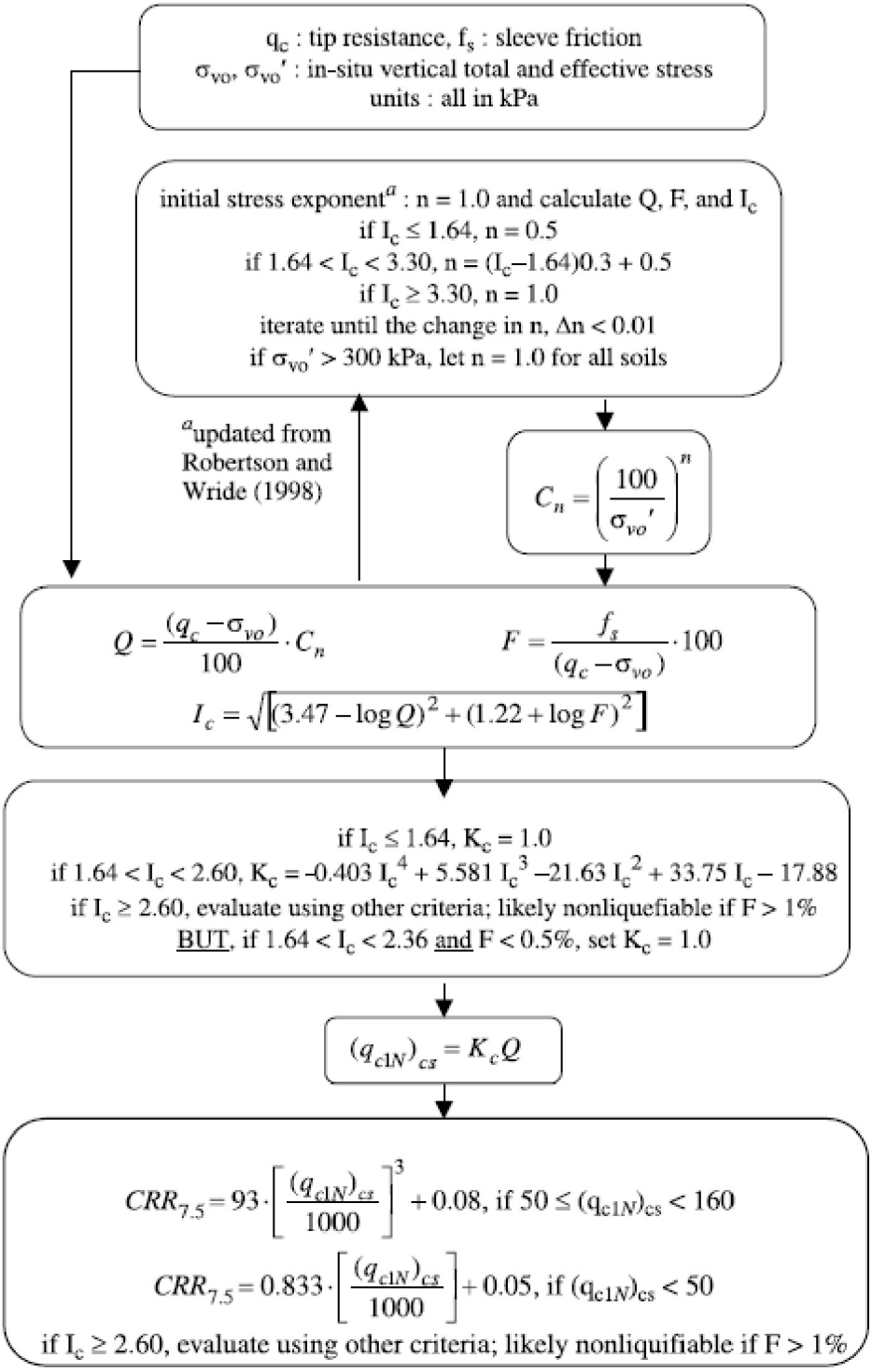


Ejecta Severity Estimation



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

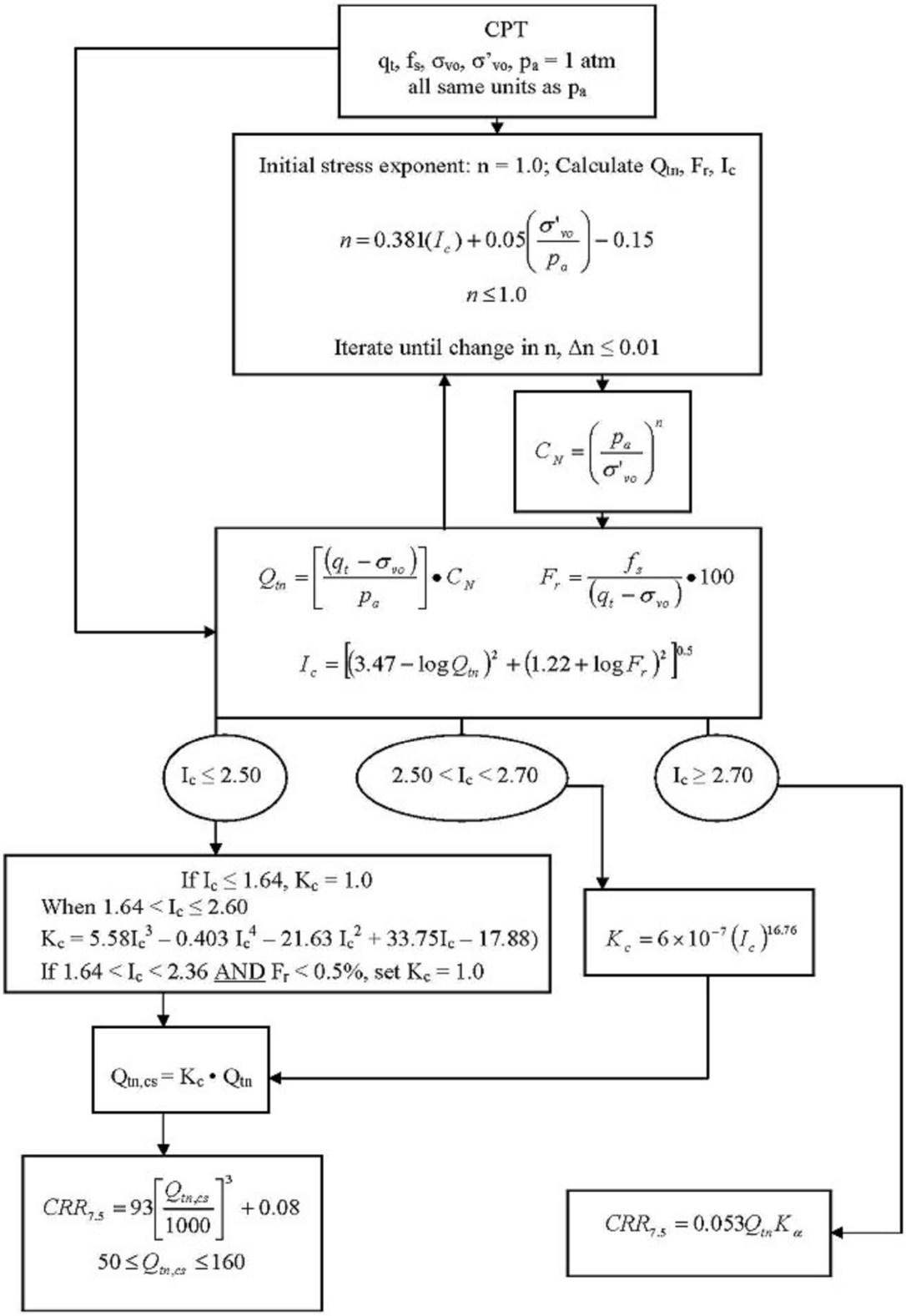
Calculation of soil resistance against liquefaction is performed according to the Robertson & Wride (1998) procedure. The procedure used in the software, slightly differs from the one originally published in NCEER-97-0022 (Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils). The revised procedure is presented below in the form of a flowchart[1]:



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

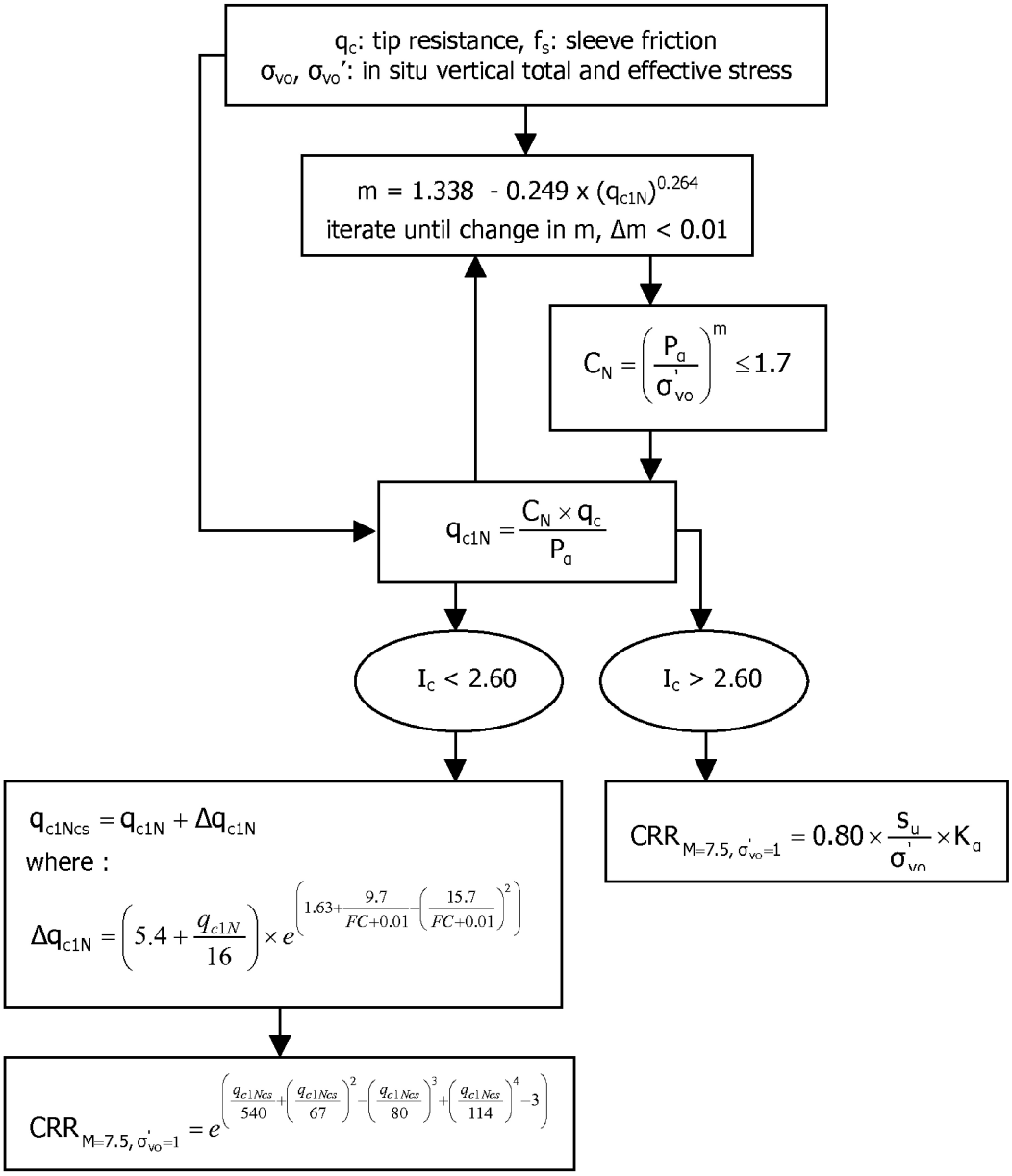
Procedure for the evaluation of soil liquefaction resistance (all soils), Robertson (2010)

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 flowchart[1]:

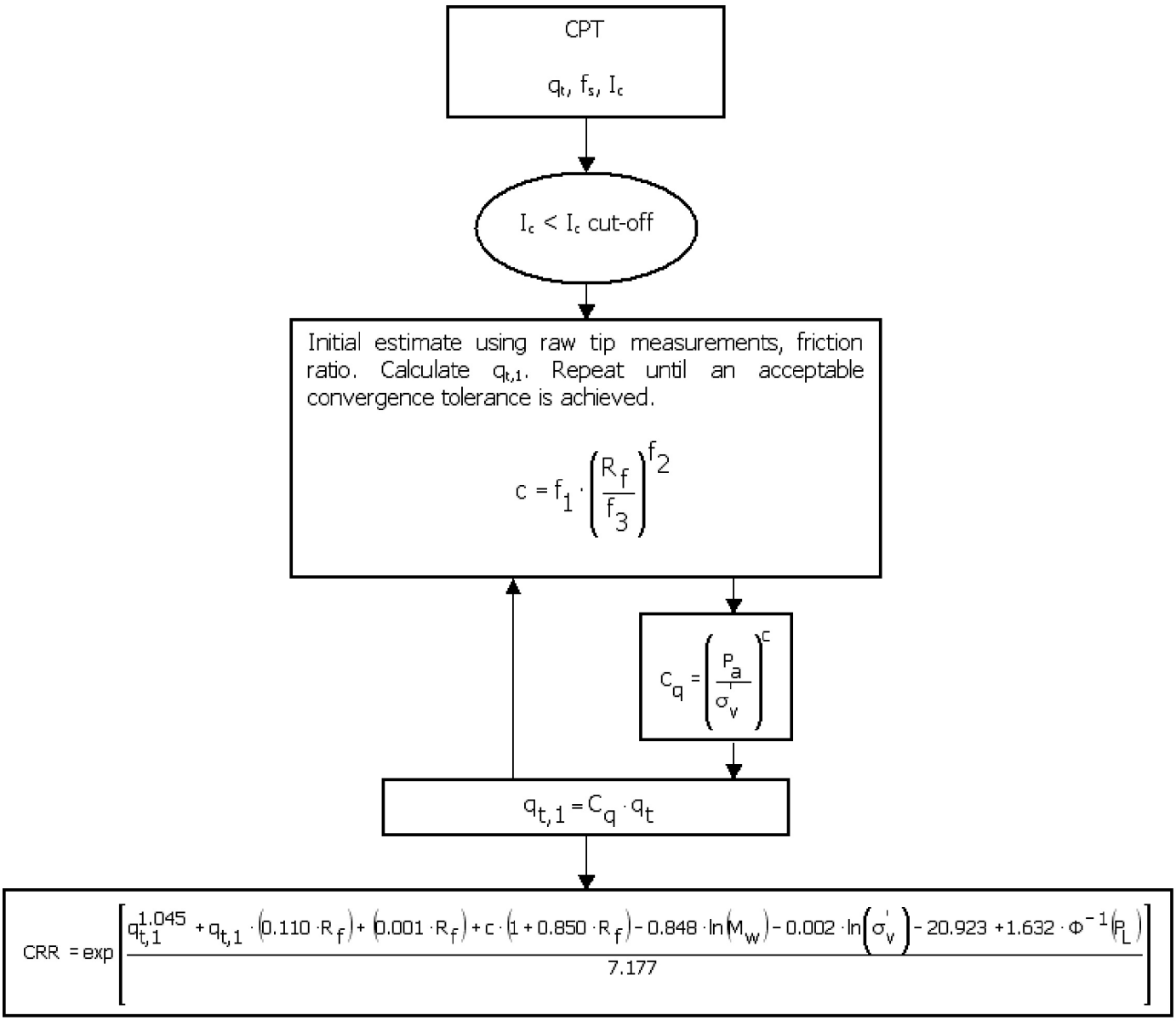


[1] P.K. Robertson, 2009. "Performance based earthquake design using the CPT", Keynote Lecture, International Conference on Performance-based Design in Earthquake Geotechnical Engineering – from case history to practice, IS-Tokyo, June 2009

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)

$$FS_{liq} = \frac{CRR_{M=7.5,\sigma'_v=1atm}}{CSR_{M=7.5,\sigma'_v=1atm}}$$

$$CSR_{M=7.5,\sigma'_v=1atm} = 0.65 \frac{\sigma_v}{\sigma'_v} \frac{a_{max}}{g} r_d \frac{1}{MSF} \frac{1}{K_\sigma}$$

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

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

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

$$K_\sigma = 1 - C_\sigma \ln\left(\frac{\sigma'_v}{P_a}\right) \le 1.1$$

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

$$MSF = 1 + \left(MSF_{max} - 1\right)\left(8.64 \exp\left(\frac{-M}{4}\right) - 1.325\right)$$

$$MSF_{max} = 1.09 + \left(\frac{q_{C1Ncs}}{180}\right)^3 \le 2.2$$

σ'_v *and* σ_v *at start of earthquake shaking*

$$CRR_{M=7.5,\sigma'_v=1atm} = \exp\left(\frac{q_{c1Ncs}}{113} + \left(\frac{q_{c1Ncs}}{1000}\right)^2 - \left(\frac{q_{c1Ncs}}{140}\right)^3 + \left(\frac{q_{c1Ncs}}{137}\right)^4 - 2.80\right)$$

$$q_{c1Ncs} = q_{c1N} + \Delta q_{c1N}$$

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

$$q_{c1N} = C_{Ne} \frac{q_c}{P_a}$$

$$C_{Ne} = \left(\frac{P_a}{\sigma'_v}\right)^m \le 1.7$$

$$m = 1.338 - 0.249\left(q_{c1Ncs}\right)^{0.264} \quad with \quad 0.264 \le m \le 0.782$$

$$FC = 80\left(I_C + C_{FC}\right) - 137 \quad with \quad 0\% \le FC \le 100\%$$

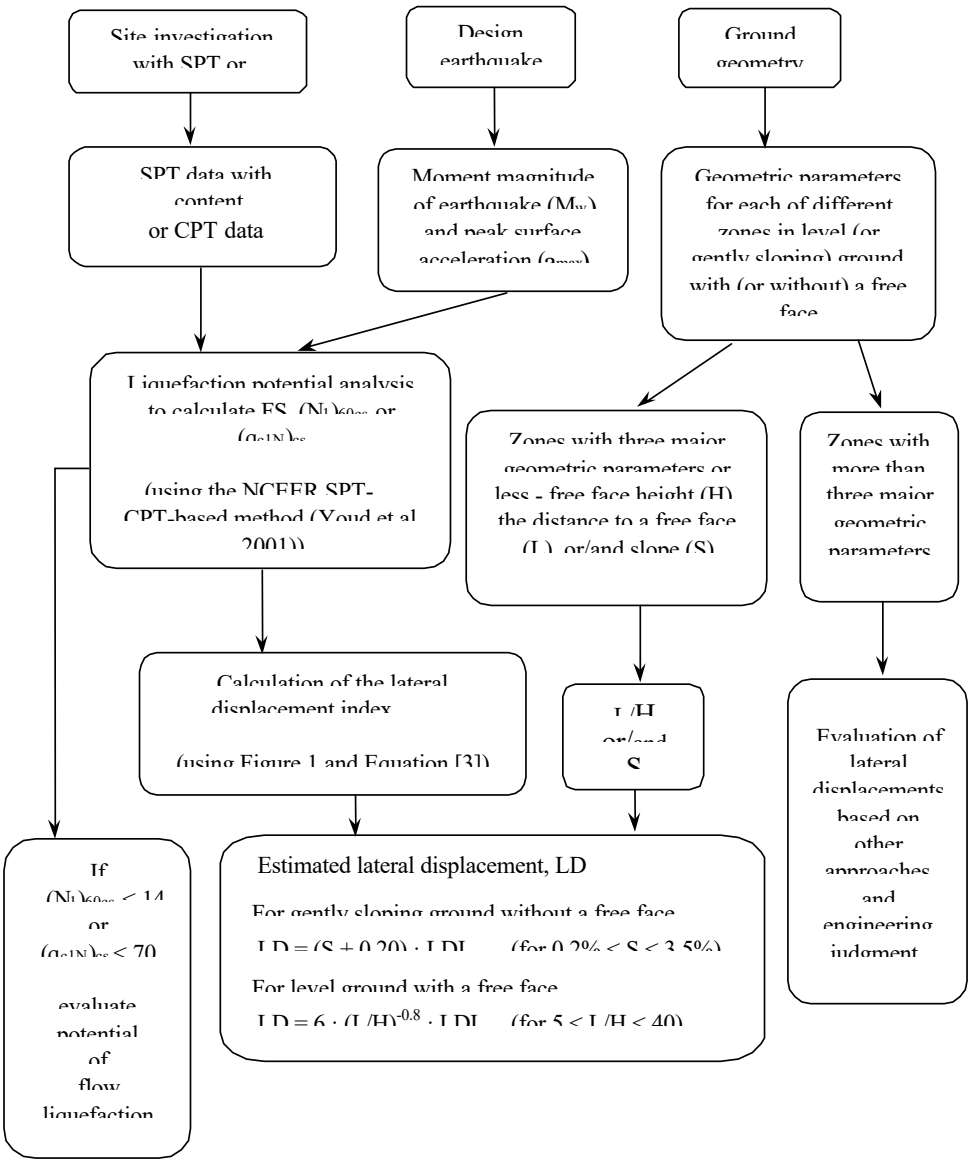
$$I_c = \left[\left(3.47 - \log(Q)\right)^2 + \left(1.22 + \log(F)\right)^2\right]^{0.5}$$

$$Q = \left(\frac{q_c - \sigma_{vc}}{P_a}\right)\left(\frac{P_a}{\sigma'_{vc}}\right)^n \quad with\ 0.5 \le n \le 1.0\ per\ Robertson\ \&\ Wride\ (1998)$$

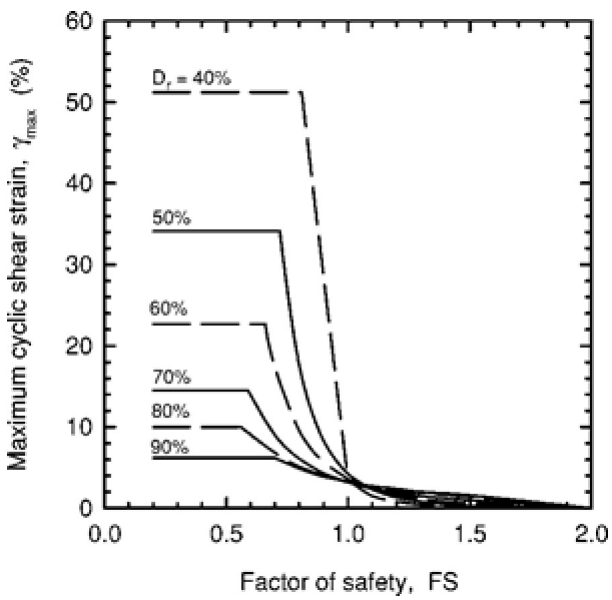
$$F = \left(\frac{f_s}{q_c - \sigma_{vc}}\right) \cdot 100\%$$

σ'_v *at time of CPT sounding*

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

Average shear stress, τ_{av}

$$\tau_{av} = CSR^{*} \cdot \sigma_{v0}' = 0.65 \cdot \frac{a_{max}}{g} \cdot \sigma_{v0} \cdot r_a$$

Estimate small shear strain modulus, G_0

$$G_0 = 0.0188 \cdot \left[10^{(0.55 I_c + 1.68)}\right] \cdot (q_t - \sigma_v)$$

Estimate shear strain amplitude, γ

(based on Pradel (1998))

$$\gamma = \left[\frac{1 + \alpha \cdot e^{bR}}{1 + \alpha}\right] \cdot R \cdot 100\ (\%)$$

$$R = \frac{\tau_{av}}{G_0} \text{ (Note } \tau_{av} \text{ and } G_0 \text{ same units)}$$

$$\alpha = 0.0389 \cdot \left(\frac{\sigma_v}{p_a}\right) + 0.124$$

$$b = 6400 \cdot \left(\frac{\sigma_v}{p_a}\right)$$

Estimate volumetric strain in 15 cycles

$$\varepsilon_{vol(15)} = \gamma \cdot \left[\frac{(N_1)_{60,cs}}{20}\right]^{-1.20}$$

$$(N_1)_{60,cs} = \frac{Q_{tn,cs}}{8.5 \cdot \left[1 - \frac{I_c}{4.6}\right]}$$

Volumetric strain in design earthquake

$$\Sigma_{vol} = \varepsilon_{vol(15)} \cdot \left[\frac{N_c}{15}\right]^{0.45}$$

$$N_c = (M - 4)^{2.17}$$

Seismic settlement, s

$$s = 2 \cdot \int_0^{GWT} \Sigma_{vol} \cdot dz$$

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 methology developed by Iwasaki (1982) and is adopted by AFPS.

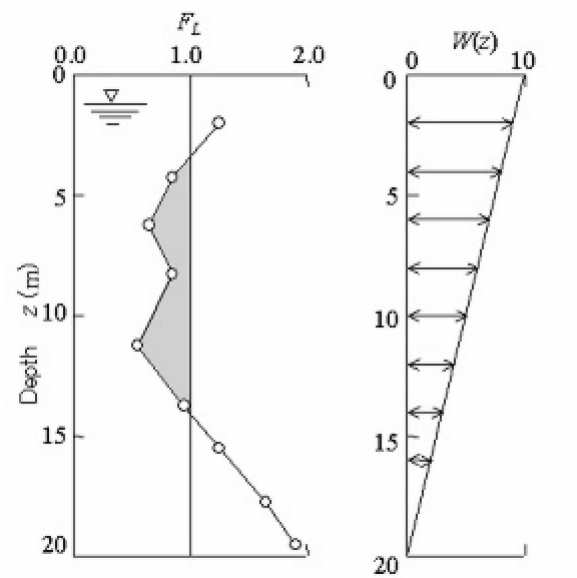
To estimate the severity of liquefaction extent at a given site, LPI is calculated based on the following equation:

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

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 <= 5 : Liquefaction risk is low
- 5 < LPI <= 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):

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

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).

References

- Lunne, T., Robertson, P.K., and Powell, J.J.M 1997. Cone penetration testing in geotechnical practice, E & FN Spon Routledge, 352 p, ISBN 0-7514-0393-8.

- Boulanger, R.W. and Idriss, I. M., 2007. Evaluation of Cyclic Softening in Silts and Clays. ASCE Journal of Geotechnical and Geoenvironmental Engineering June, Vol. 133, No. 6 pp 641-652

- Boulanger, R.W. and Idriss, I. M., 2014. CPT AND SPT BASED LIQUEFACTION TRIGGERING PROCEDURES. DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING COLLEGE OF ENGINEERING UNIVERSITY OF CALIFORNIA AT DAVIS

- Robertson, P.K. and Cabal, K.L., 2007, Guide to Cone Penetration Testing for Geotechnical Engineering. Available at no cost at http://www.geologismiki.gr/

- Robertson, P.K. 1990. Soil classification using the cone penetration test. Canadian Geotechnical Journal, 27 (1), 151-8.

- Robertson, P.K. and Wride, C.E., 1998. Cyclic Liquefaction and its Evaluation based on the CPT Canadian Geotechnical Journal, 1998, Vol. 35, August.

- Youd, T.L., Idriss, I.M., Andrus, R.D., Arango, I., Castro, G., Christian, J.T., Dobry, R., Finn, W.D.L., Harder, L.F., Hynes, M.E., Ishihara, K., Koester, J., Liao, S., Marcuson III, W.F., Martin, G.R., Mitchell, J.K., Moriwaki, Y., Power, M.S., Robertson, P.K., Seed, R., and Stokoe, K.H., Liquefaction Resistance of Soils: Summary Report from the 1996 NCEER and 1998 NCEER/NSF Workshop on Evaluation of Liquefaction Resistance of Soils, ASCE, Journal of Geotechnical & Geoenvironmental Engineering, Vol. 127, October, pp 817-833

- Zhang, G., Robertson. P.K., Brachman, R., 2002, Estimating Liquefaction Induced Ground Settlements from the CPT, Canadian Geotechnical Journal, 39: pp 1168-1180

- Zhang, G., Robertson. P.K., Brachman, R., 2004, Estimating Liquefaction Induced Lateral Displacements using the SPT and CPT, ASCE, Journal of Geotechnical & Geoenvironmental Engineering, Vol. 130, No. 8, 861-871

- Pradel, D., 1998, Procedure to Evaluate Earthquake-Induced Settlements in Dry Sandy Soils, ASCE, Journal of Geotechnical & Geoenvironmental Engineering, Vol. 124, No. 4, 364-368

- Iwasaki, T., 1986, Soil liquefaction studies in Japan: state-of-the-art, Soil Dynamics and Earthquake Engineering, Vol. 5, No. 1, 2-70

- Papathanassiou G., 2008, LPI-based approach for calibrating the severity of liquefaction-induced failures and for assessing the probability of liquefaction surface evidence, Eng. Geol. 96:94–104

- P.K. Robertson, 2009, Interpretation of Cone Penetration Tests - a unified approach., Canadian Geotechnical Journal, Vol. 46, No. 11, pp 1337-1355

- 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

- 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

- R. E. S. Moss, R. B. Seed, R. E. Kayen, J. P. Stewart, A. Der Kiureghian, K. O. Cetin, CPT-Based Probabilistic and Deterministic Assessment of In Situ Seismic Soil Liquefaction Potential, Journal of Geotechnical and Geoenvironmental Engineering, Vol. 132, No. 8, August 1, 2006

- I. M. Idriss and R. W. Boulanger, 2008. Soil liquefaction during earthquakes, Earthquake Engineering Research Institute MNO-12

- Jonathan D. Bray & Jorge Macedo, Department of Civil & Environmental Engineering, Univ. of California, Berkeley, CA, USA, Simplified procedure for estimating liquefaction-induced building settlement, *Proceedings of the 19th International Conference on Soil Mechanics and Geotechnical Engineering, Seoul 201*

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Geologo
Dott. Aldo Antoniazzi
STUDIO DI GEOLOGIA TECNICA E AMBIENTALE

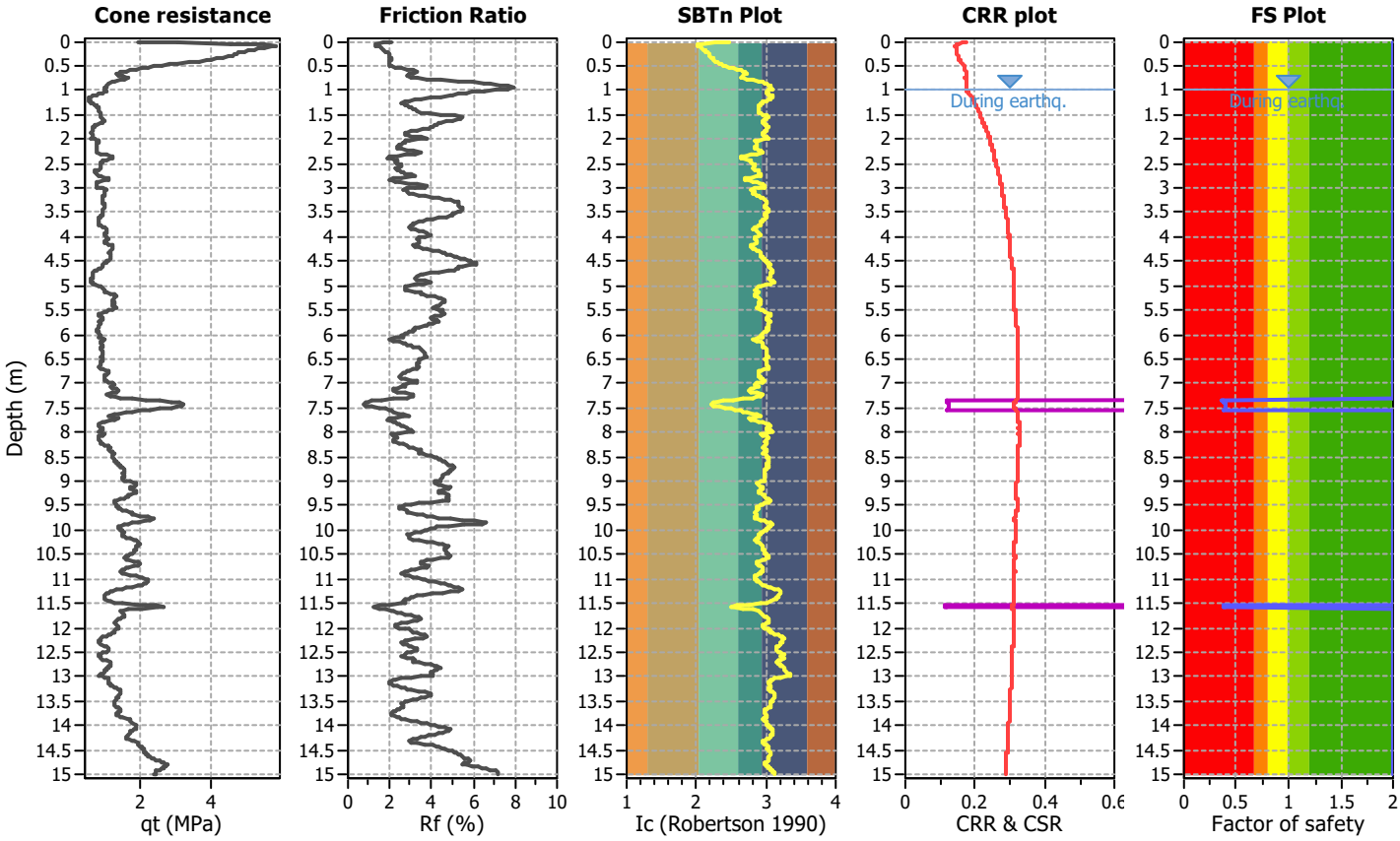
LIQUEFACTION ANALYSIS REPORT

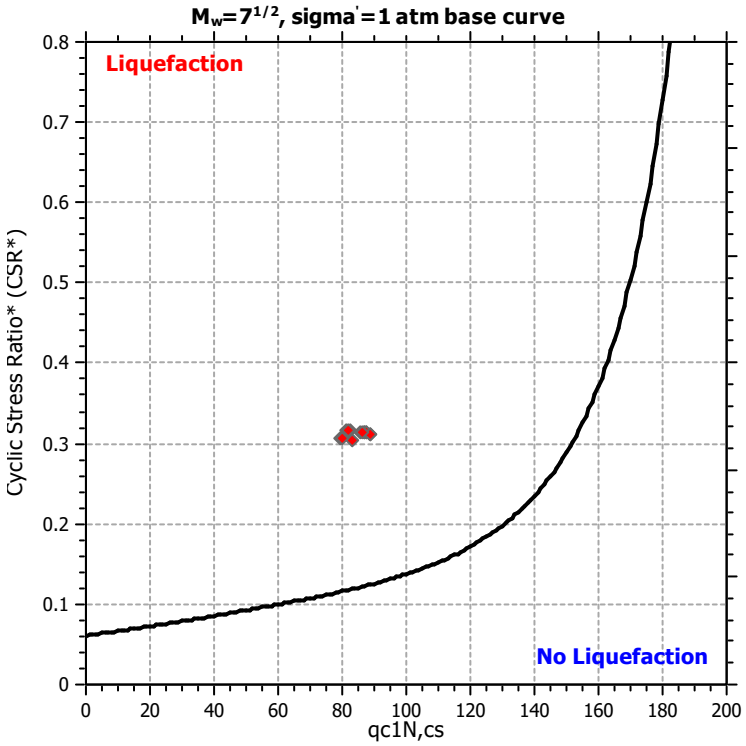
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,26**

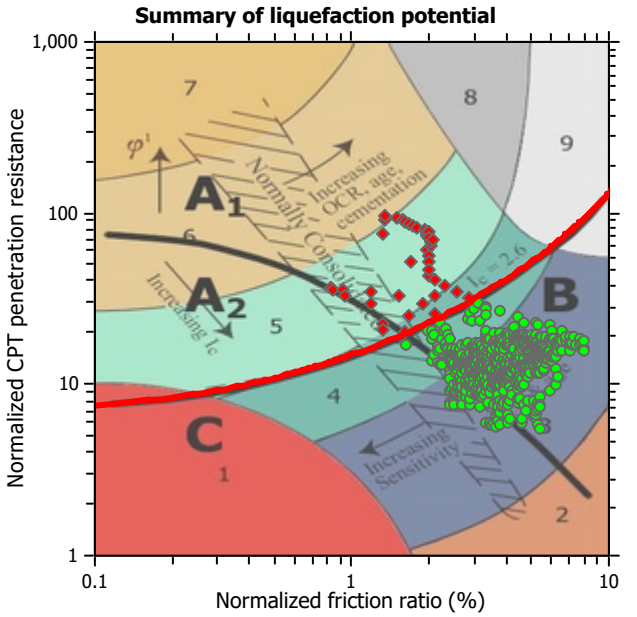
CPT file : 039017P15CPTU15

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

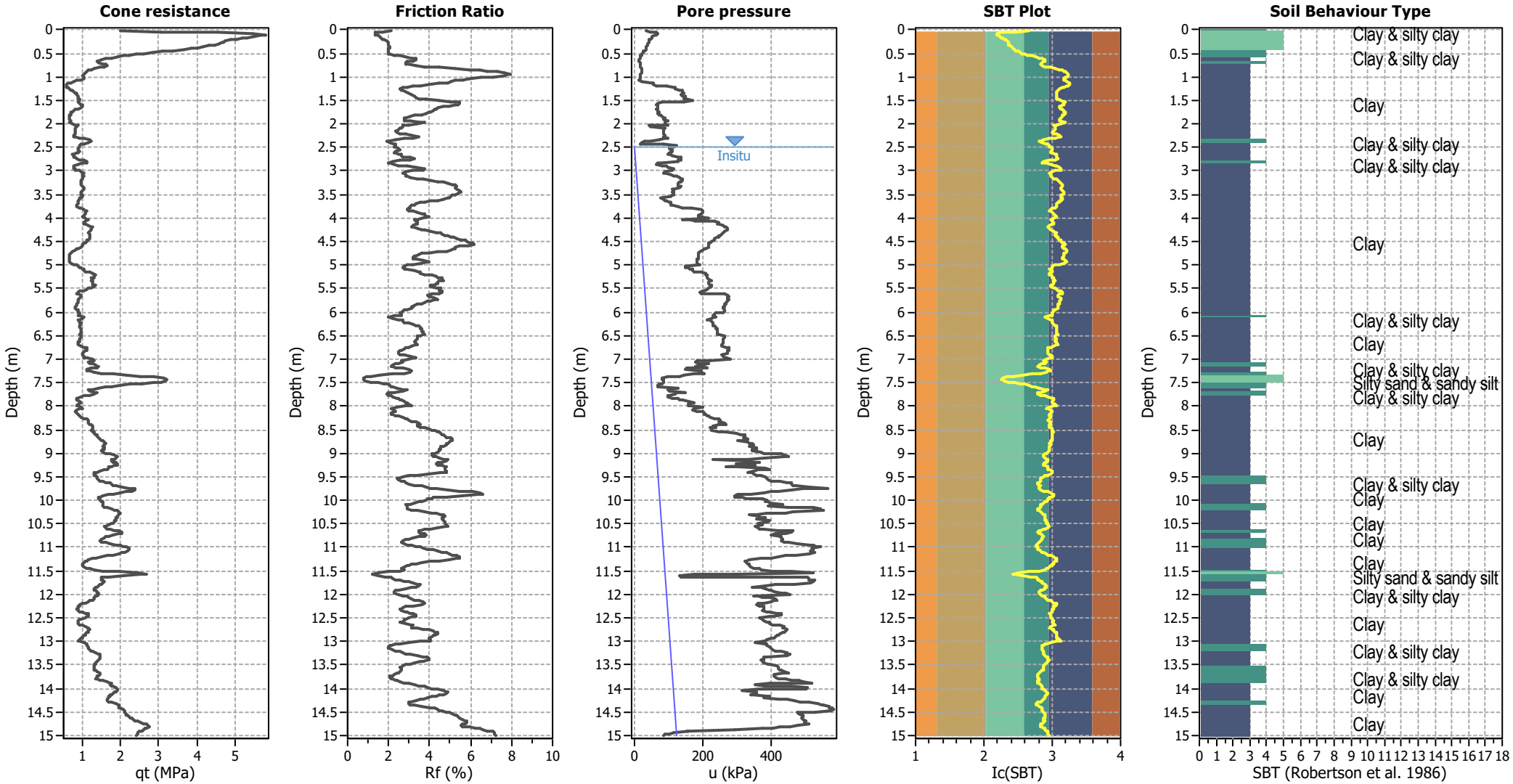






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



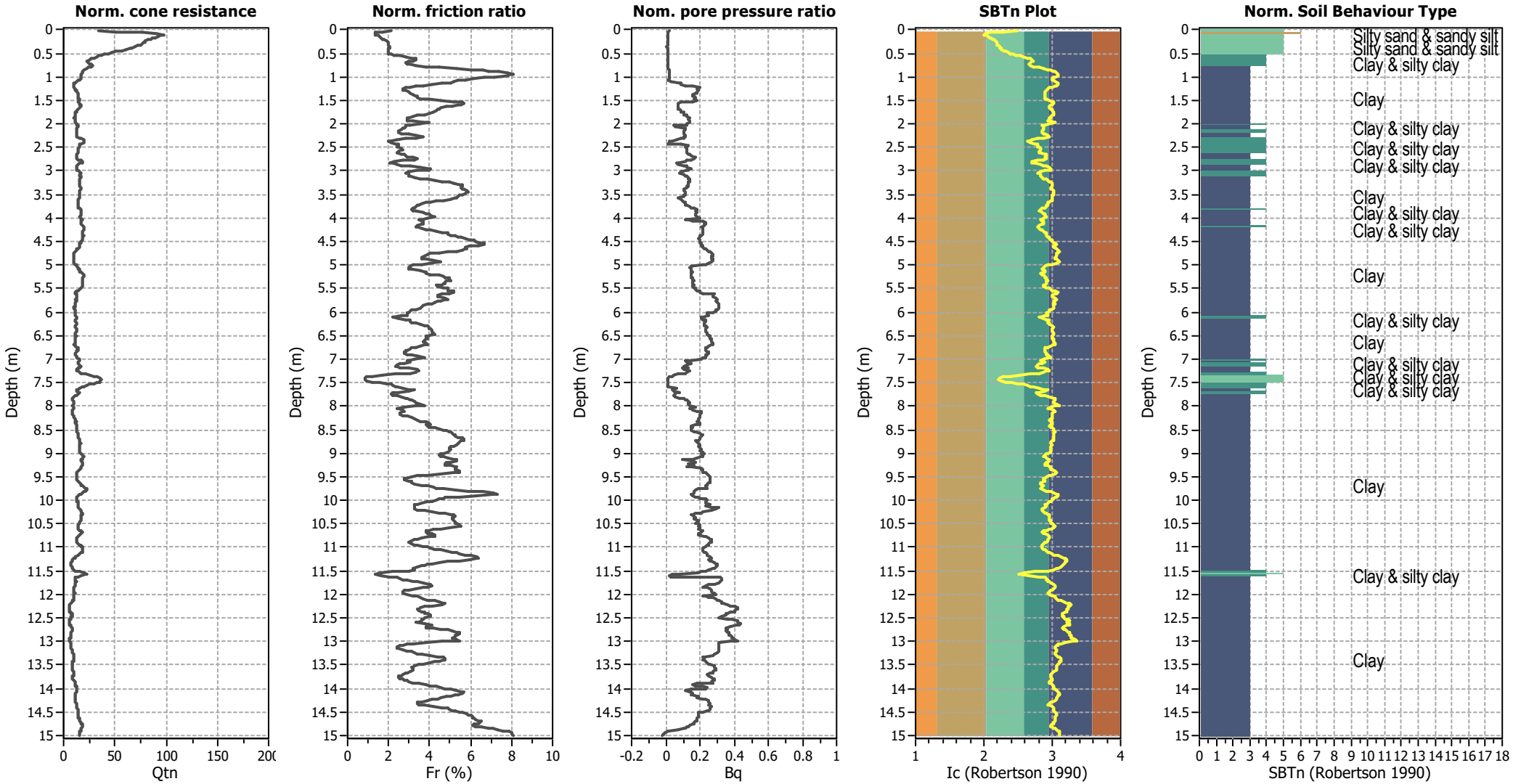
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



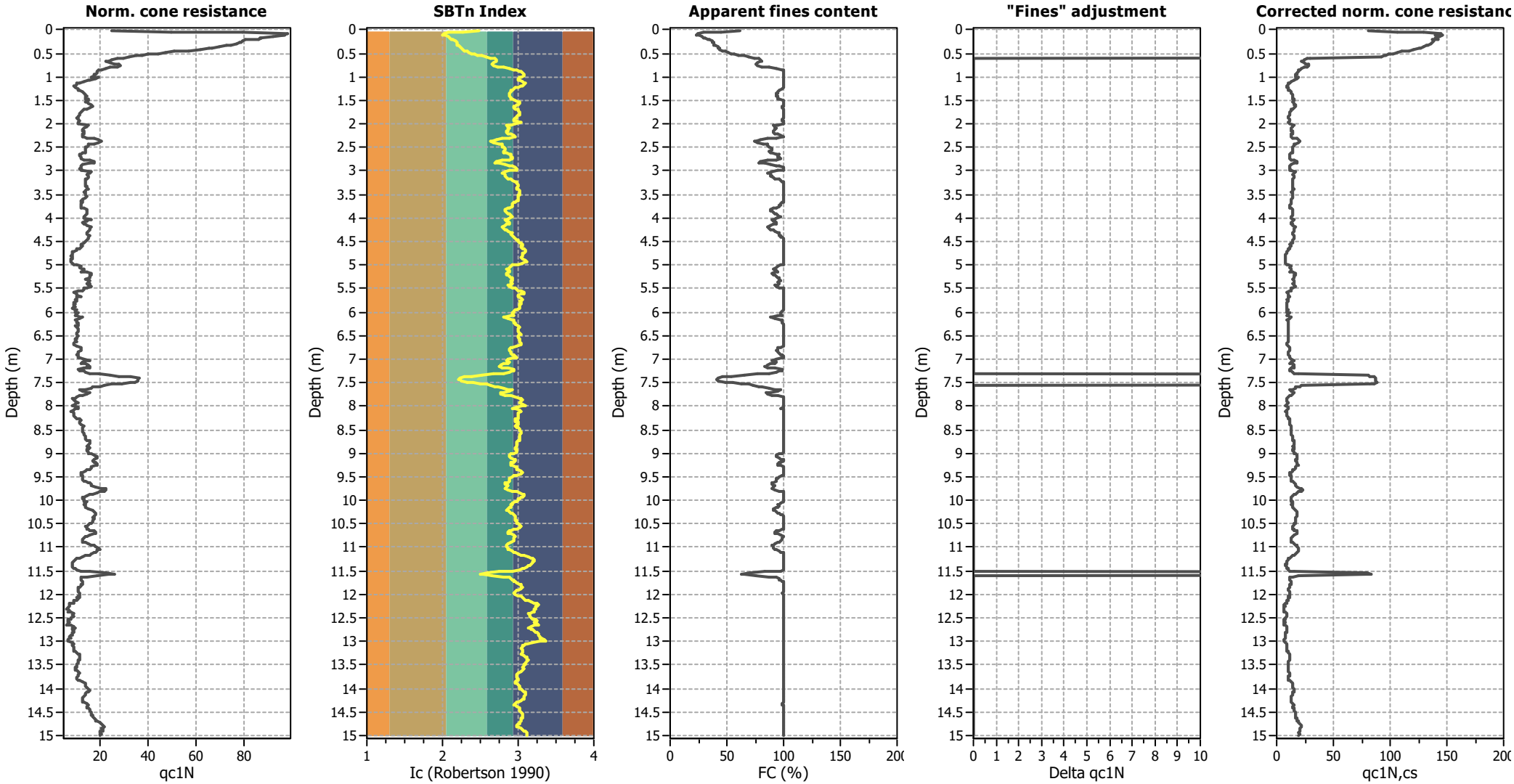
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

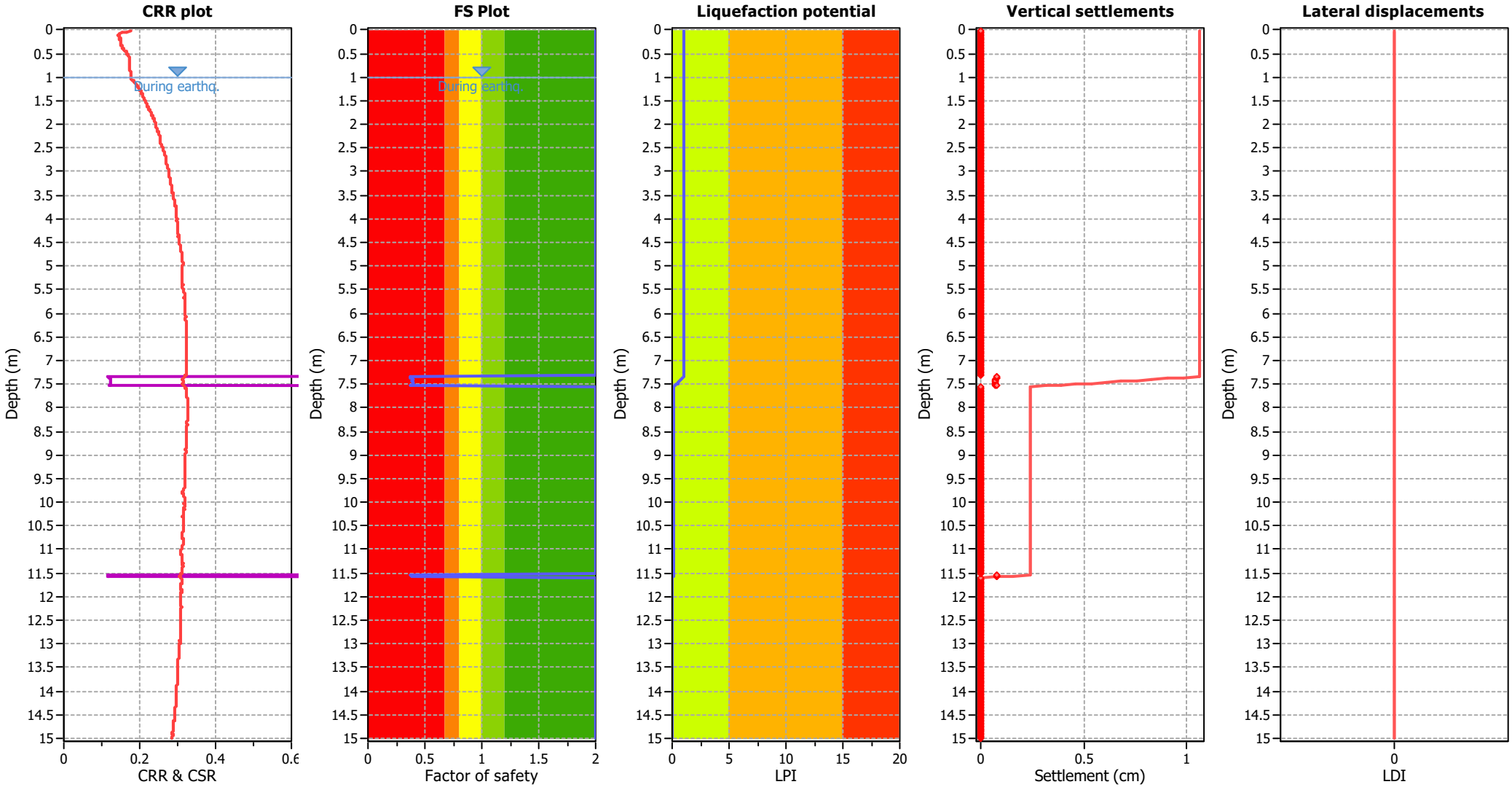
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

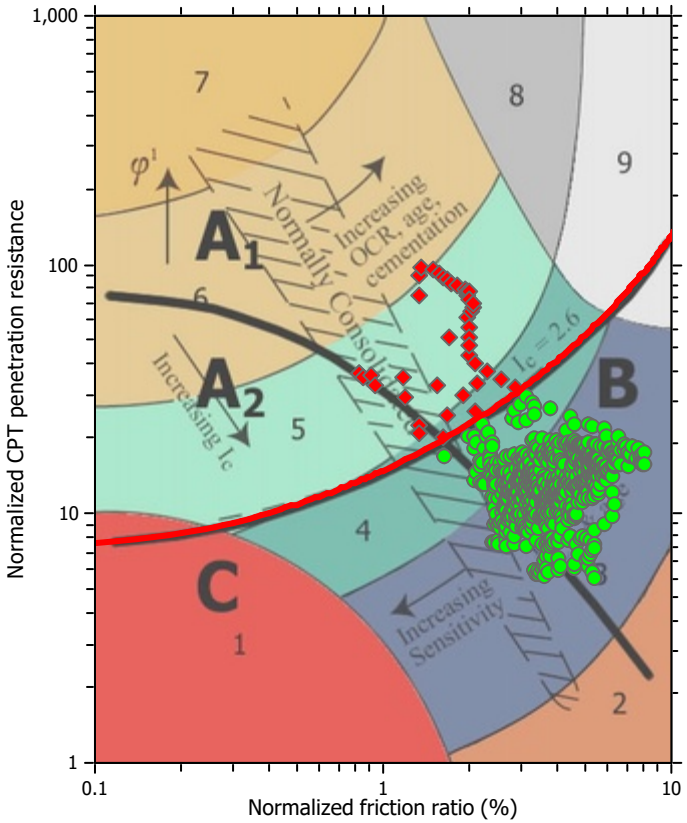
F.S. color scheme

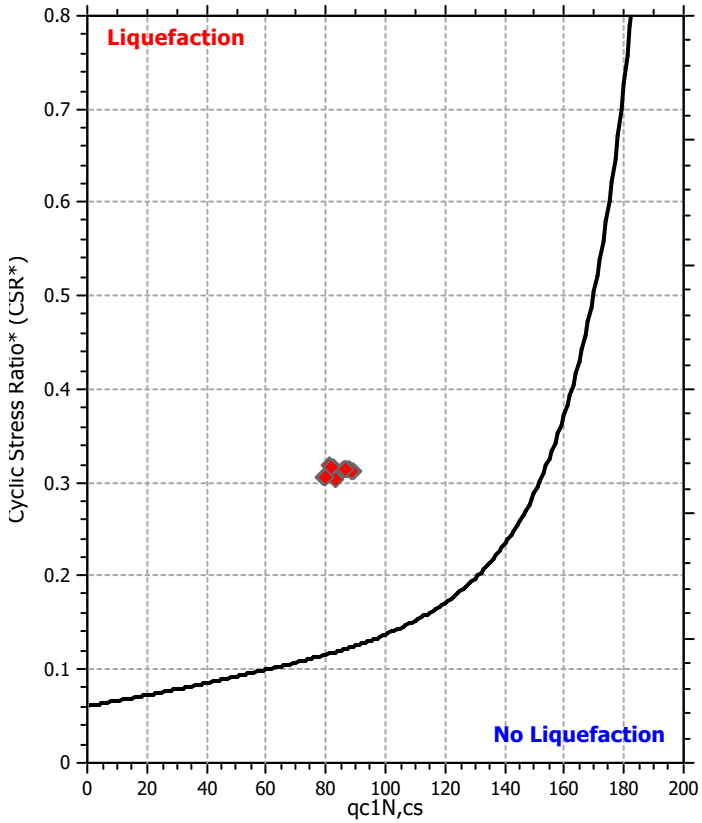
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

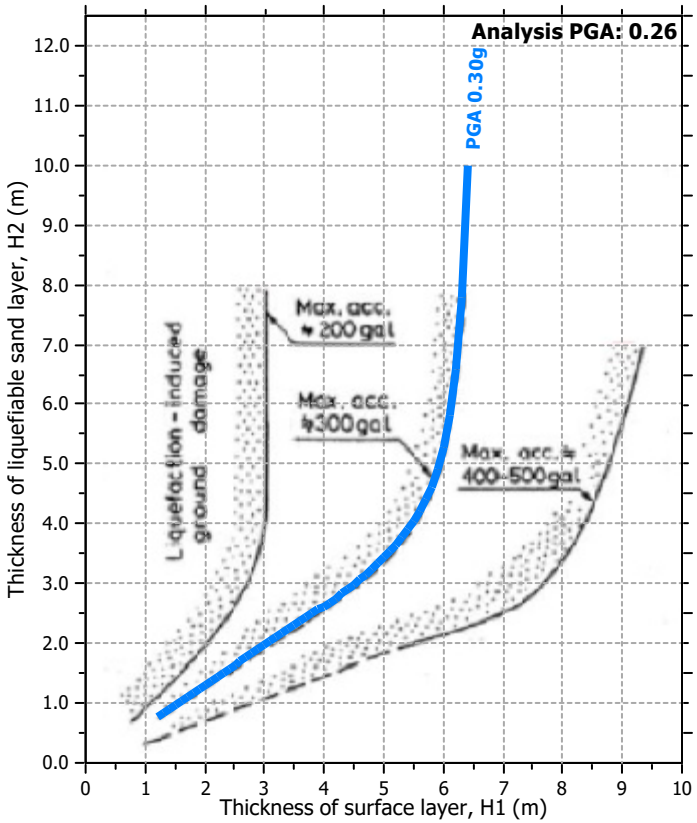
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



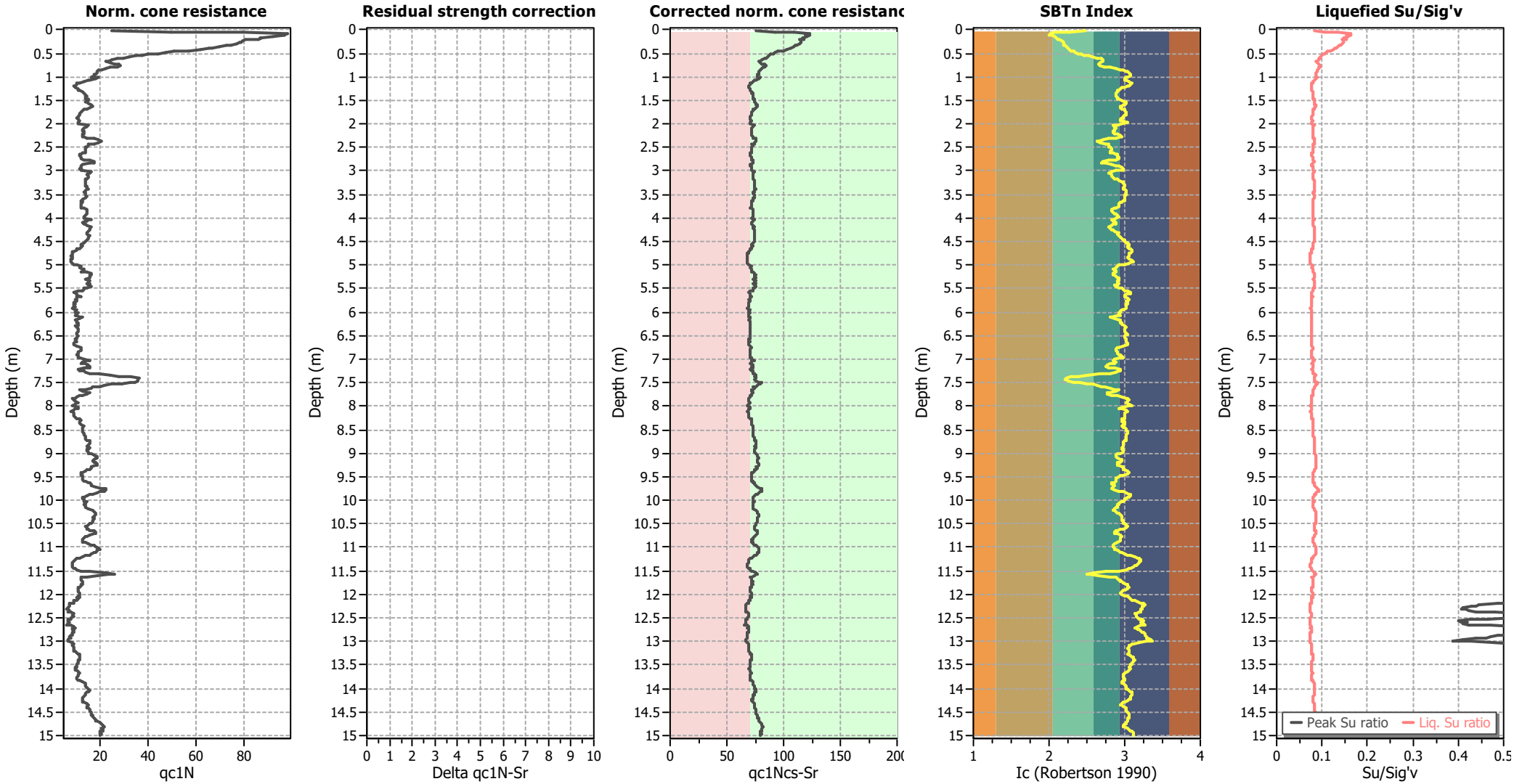




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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	0.37	0.63	0.36	0.02	0.08	7.36	0.37	0.63	0.37	0.02	0.08
7.38	0.39	0.61	0.37	0.02	0.08	7.40	0.39	0.61	0.38	0.02	0.08
7.42	0.39	0.61	0.38	0.02	0.08	7.44	0.39	0.61	0.38	0.02	0.08
7.46	0.39	0.61	0.38	0.02	0.08	7.48	0.40	0.60	0.38	0.02	0.08
7.50	0.40	0.60	0.38	0.02	0.08	7.52	0.39	0.61	0.38	0.02	0.08
7.54	0.37	0.63	0.37	0.02	0.08	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	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	0.38	0.62	0.37	0.02	0.05	11.56	0.39	0.61	0.38	0.02	0.05
11.58	0.38	0.62	0.37	0.02	0.05	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

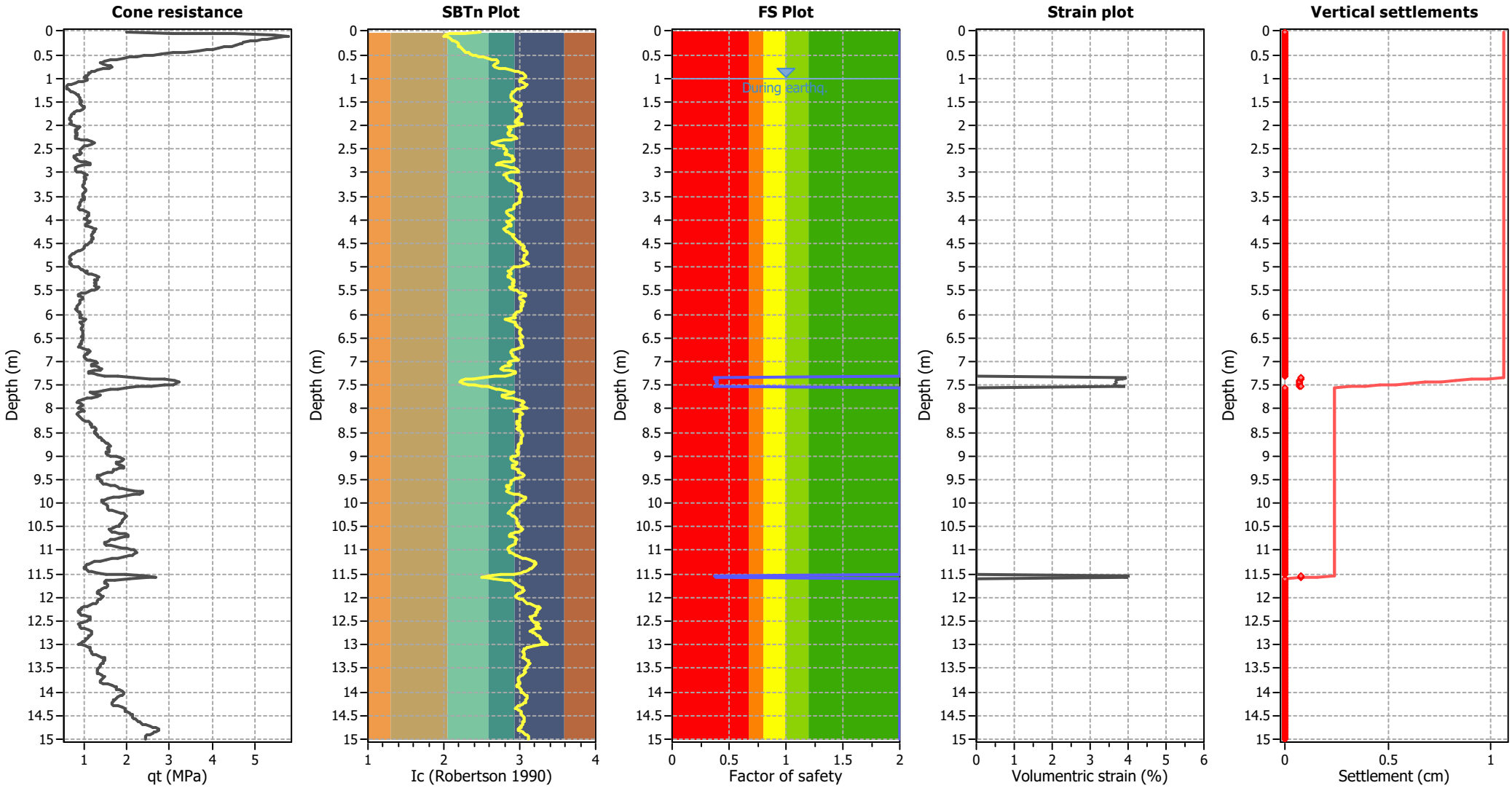
Overall liquefaction potential: 1.00

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

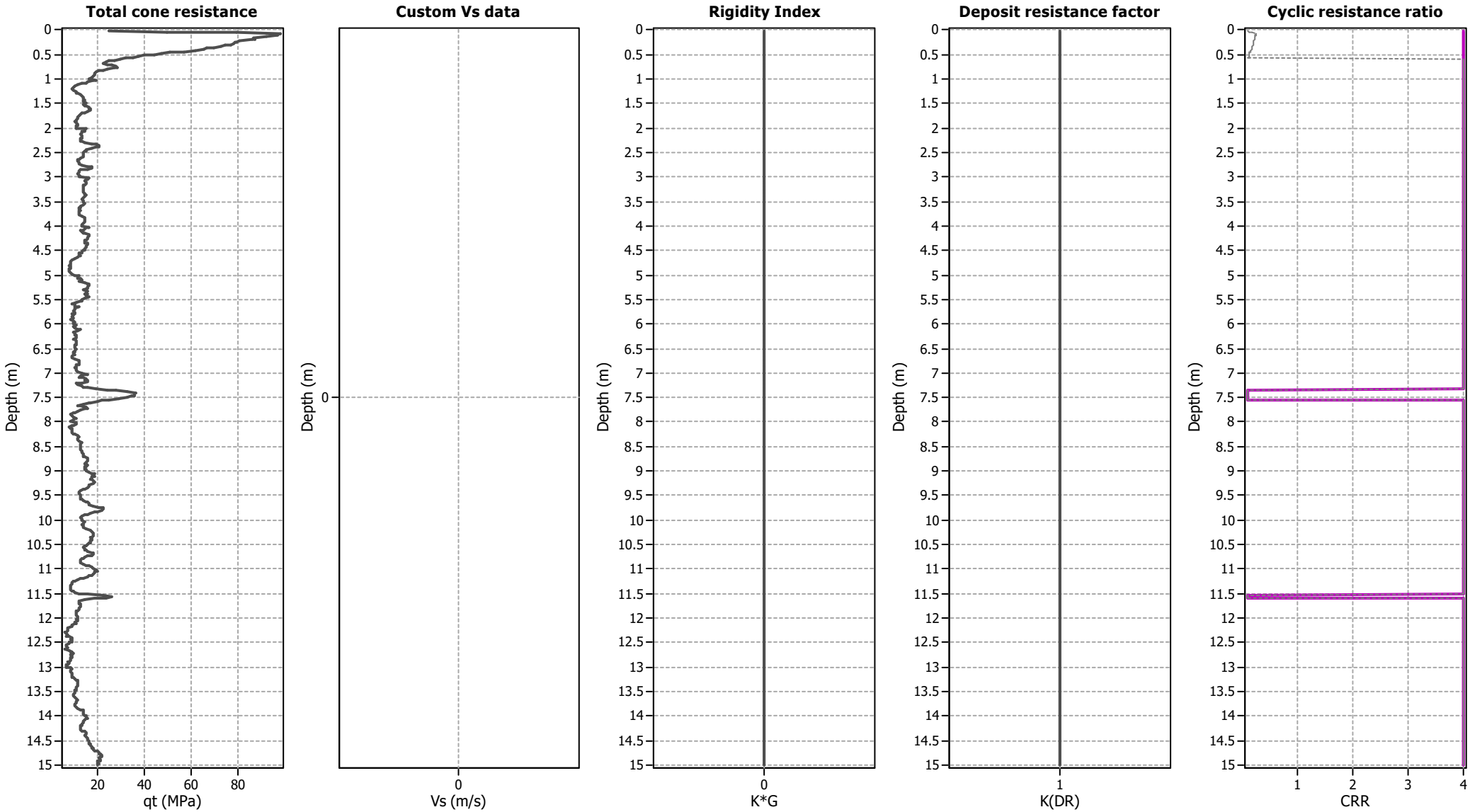
Estimation of post-earthquake settlements



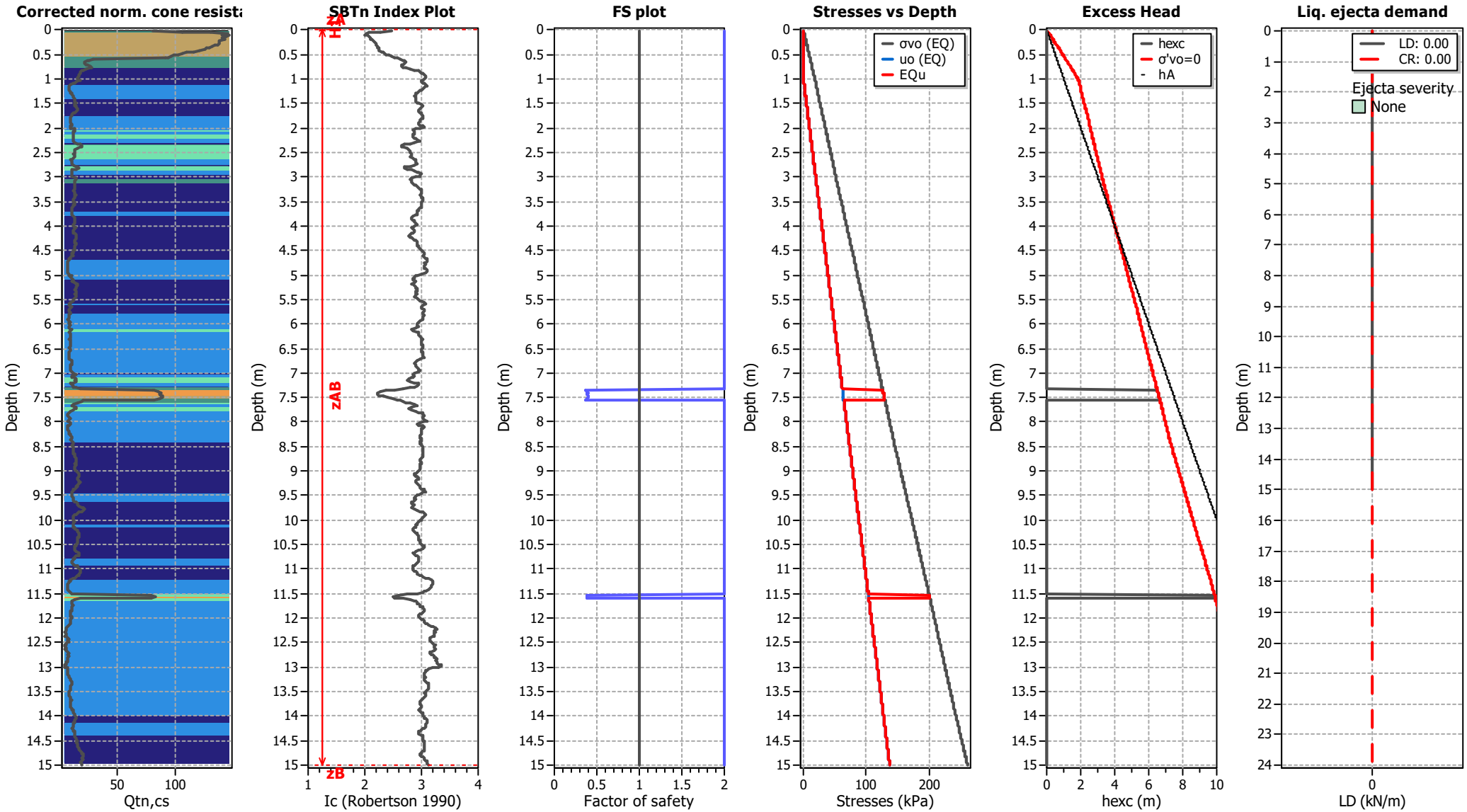
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



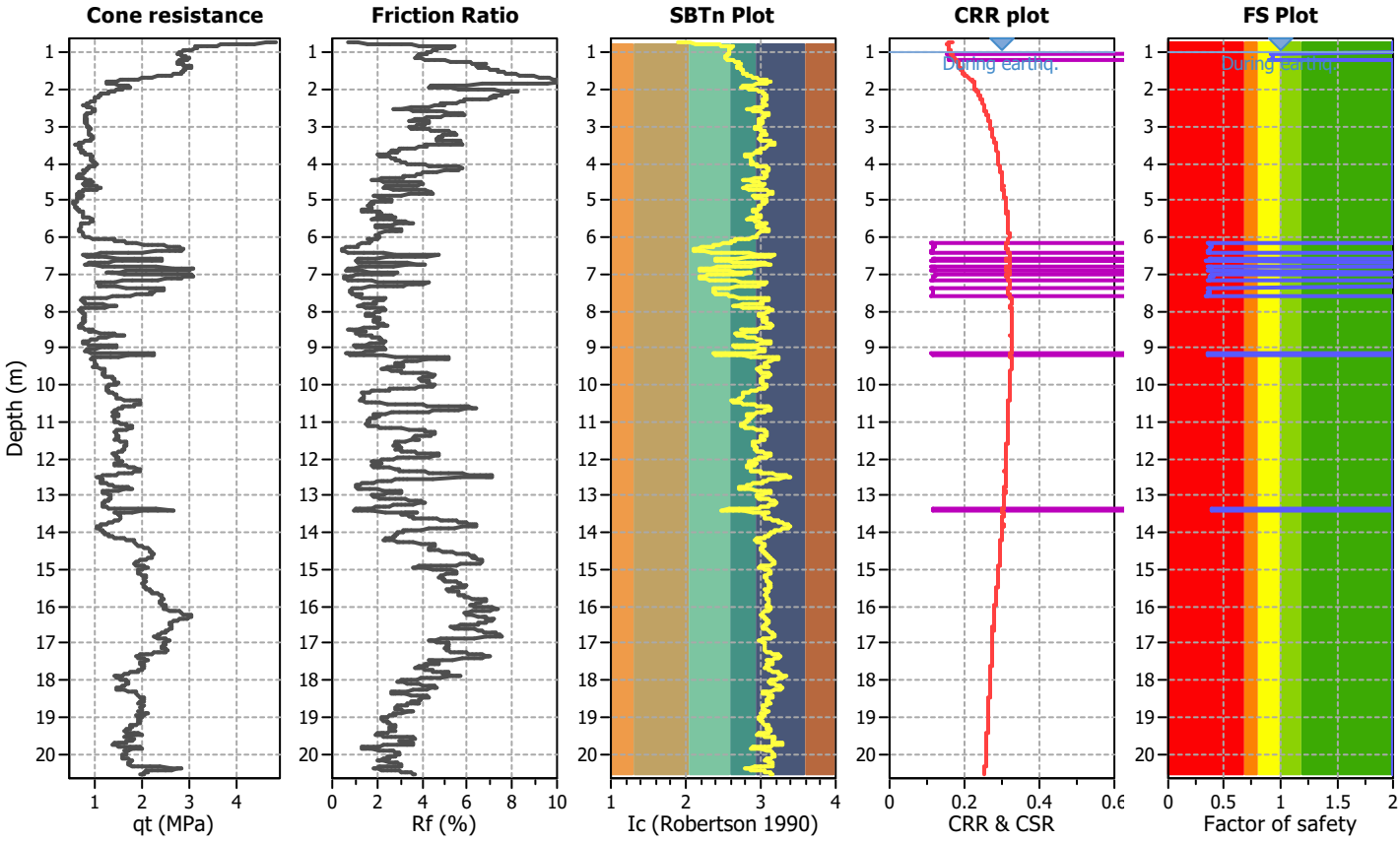
LIQUEFACTION ANALYSIS REPORT

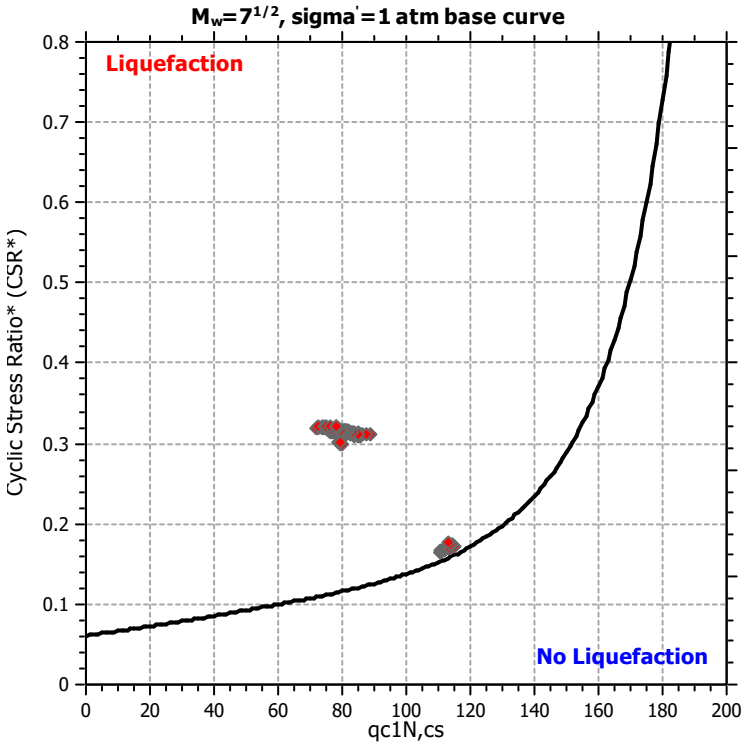
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,26**

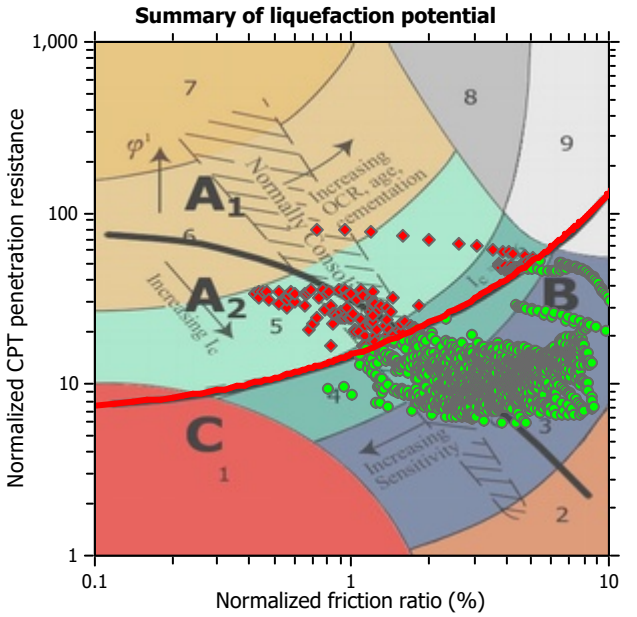
CPT file : 039017P23CPTU23

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

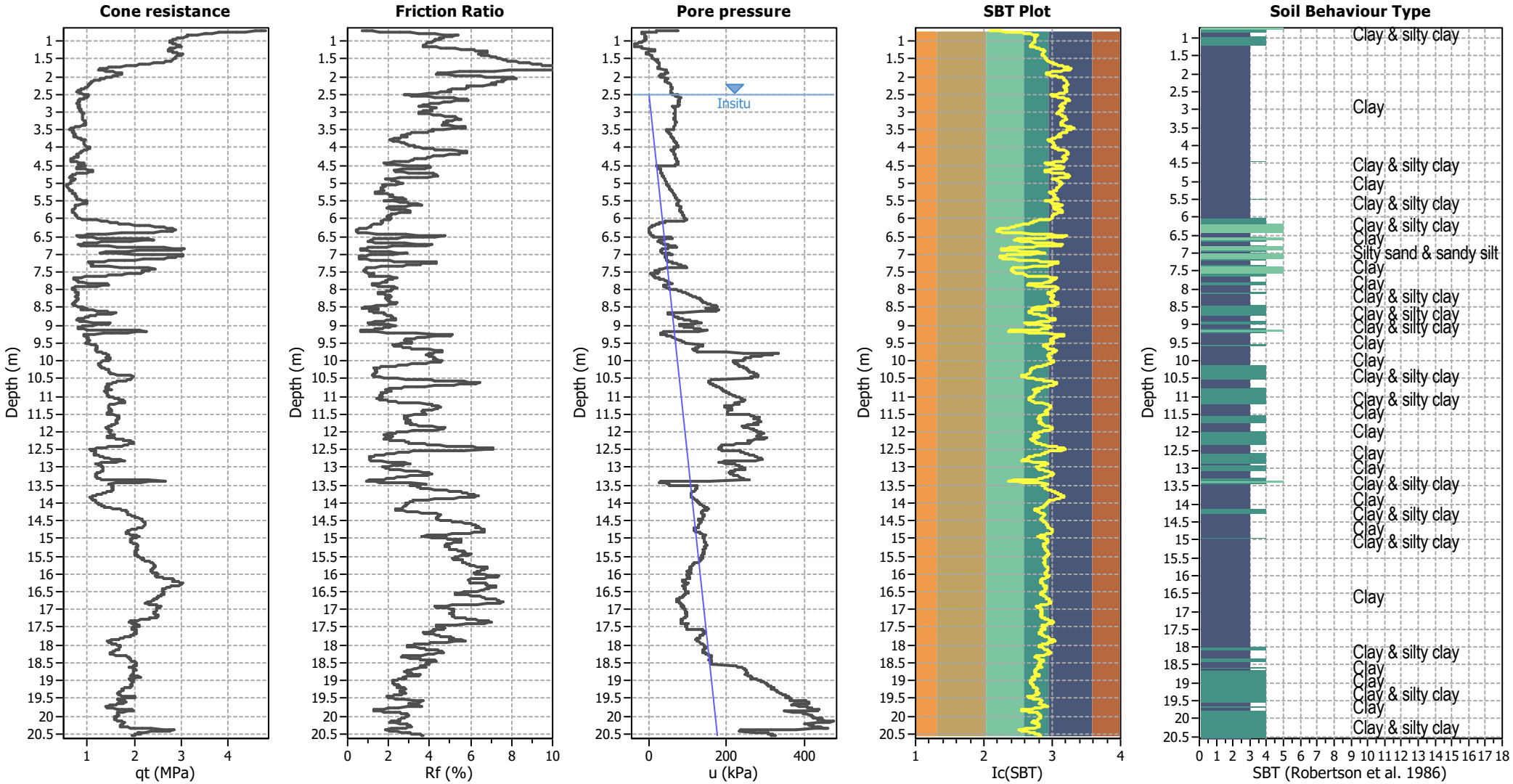






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



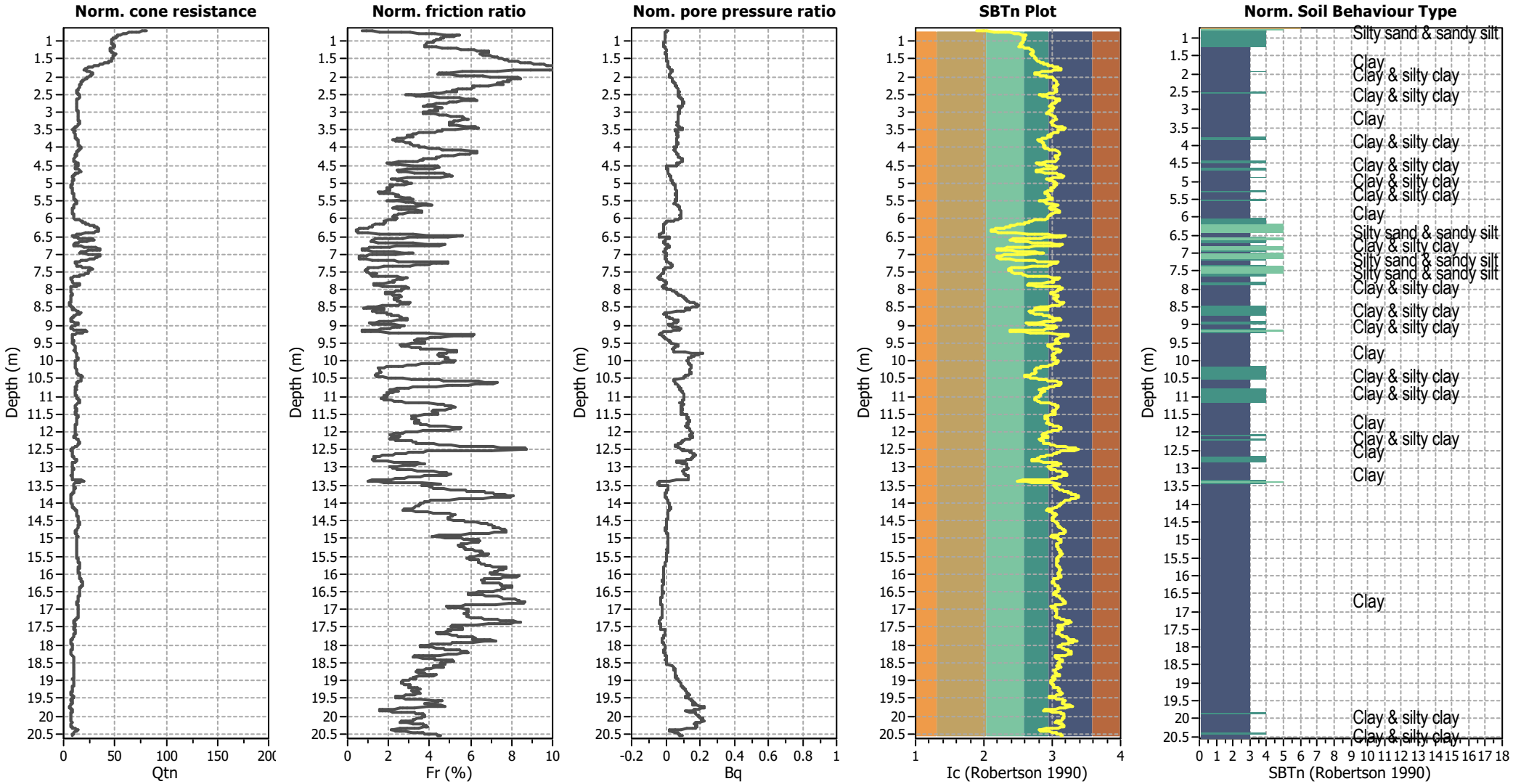
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



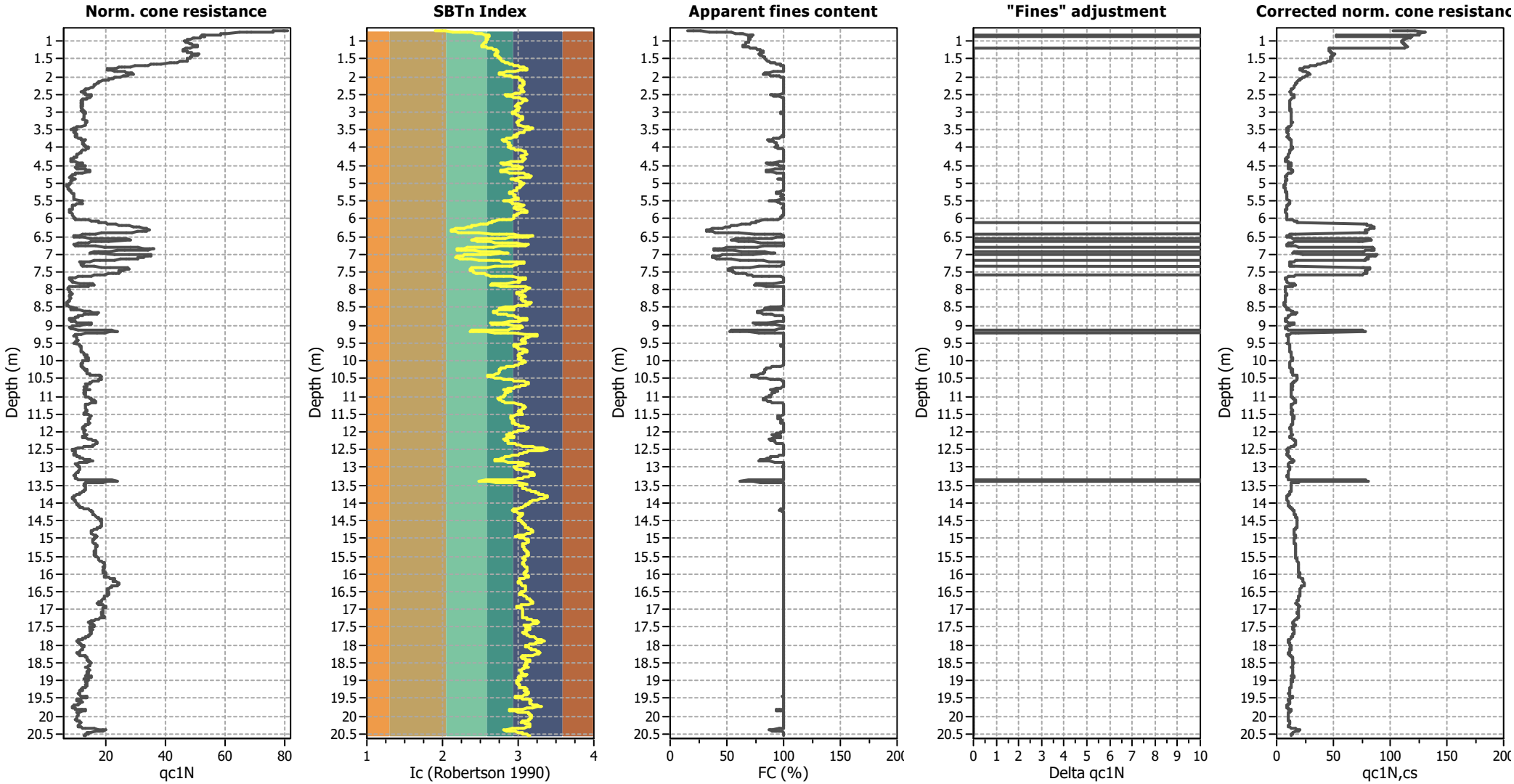
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

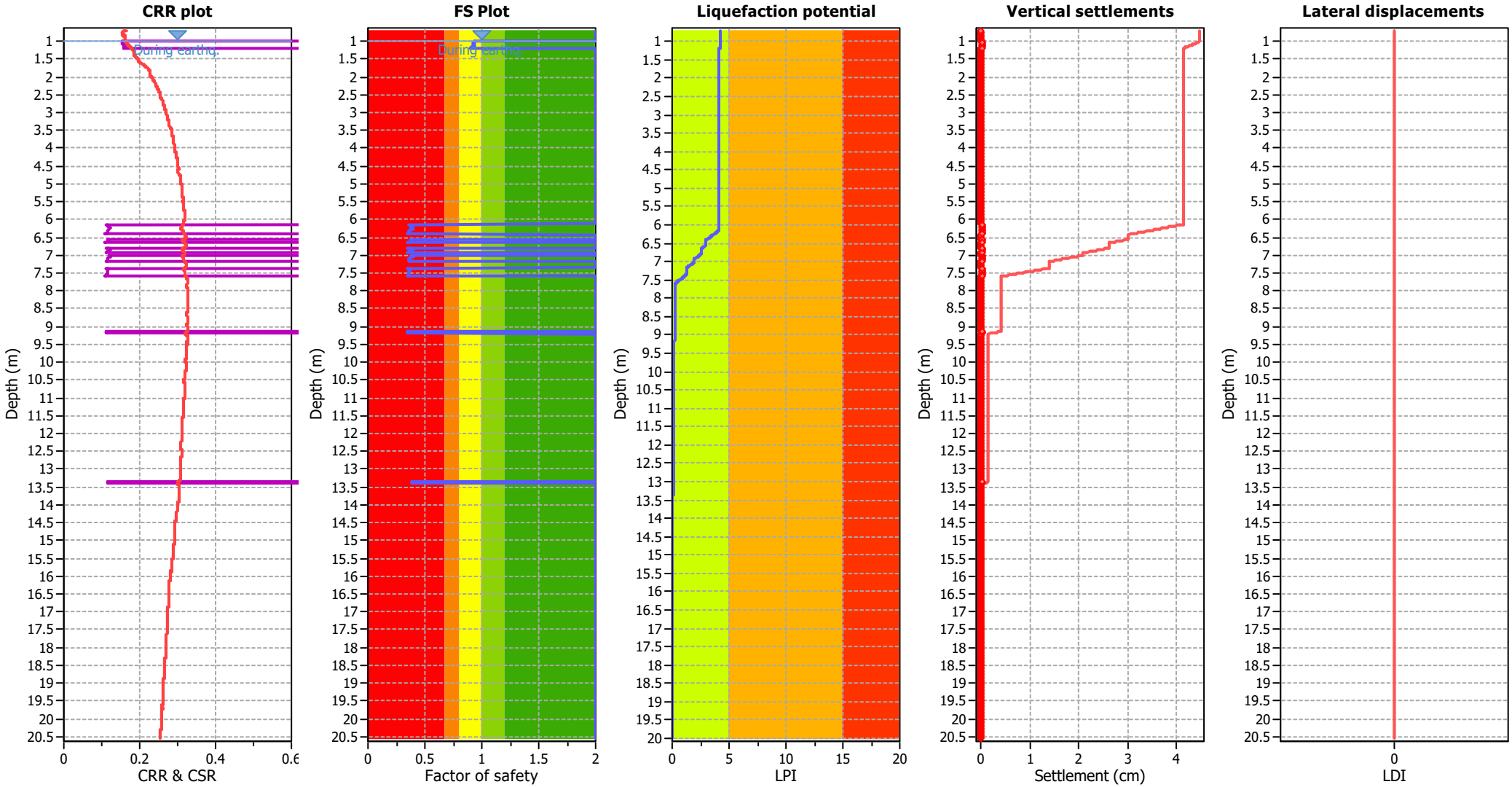
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

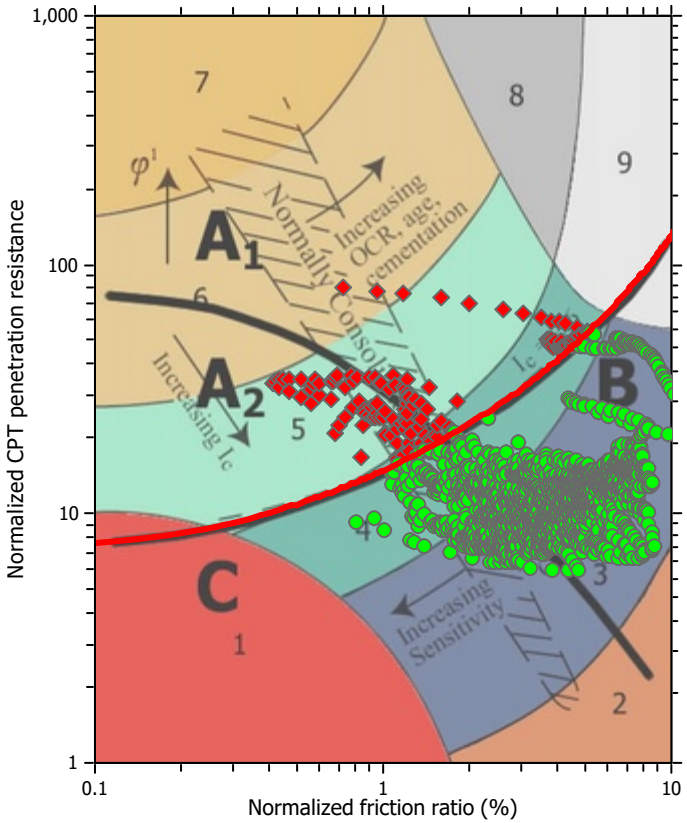
F.S. color scheme

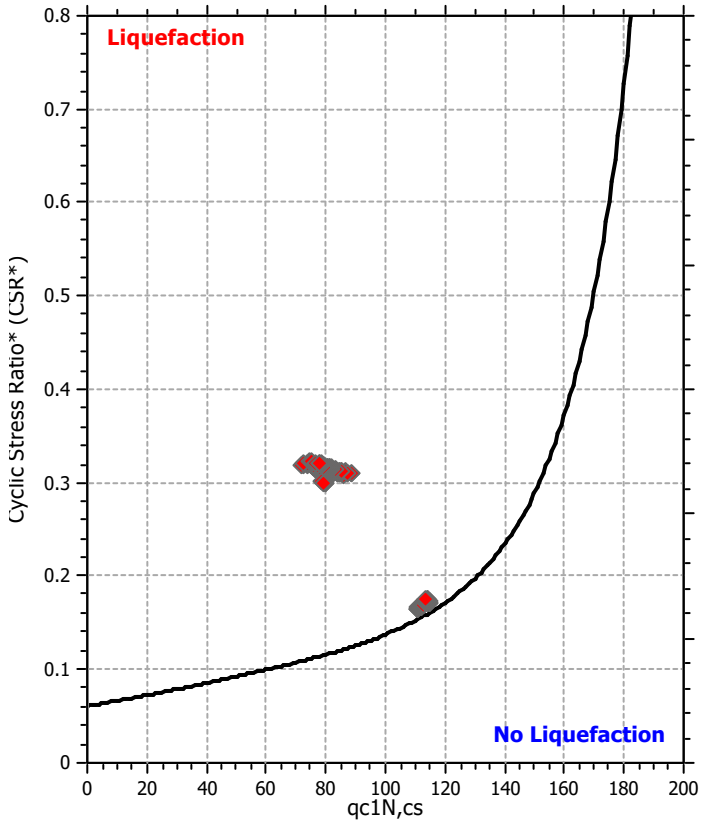
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

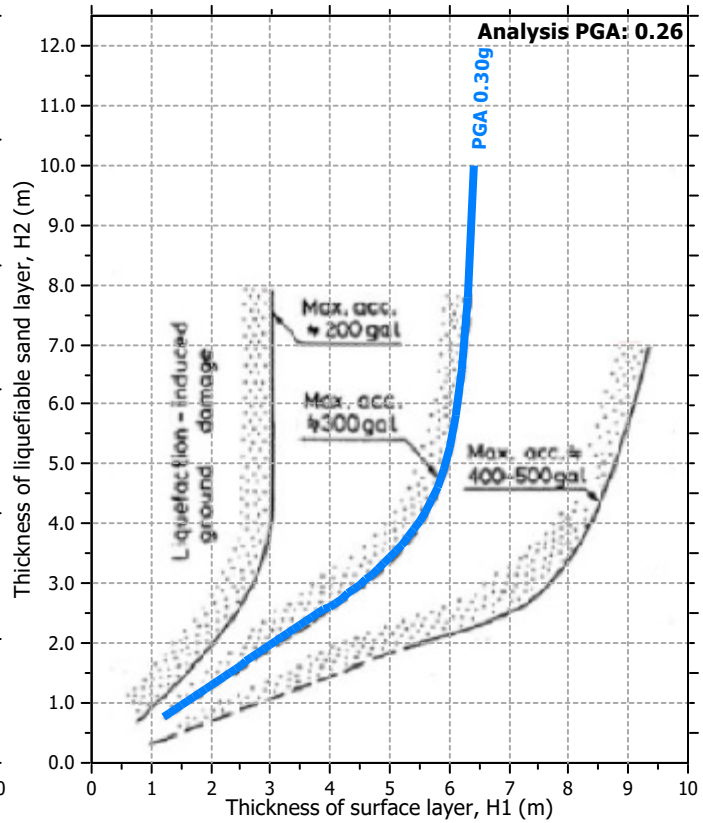
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



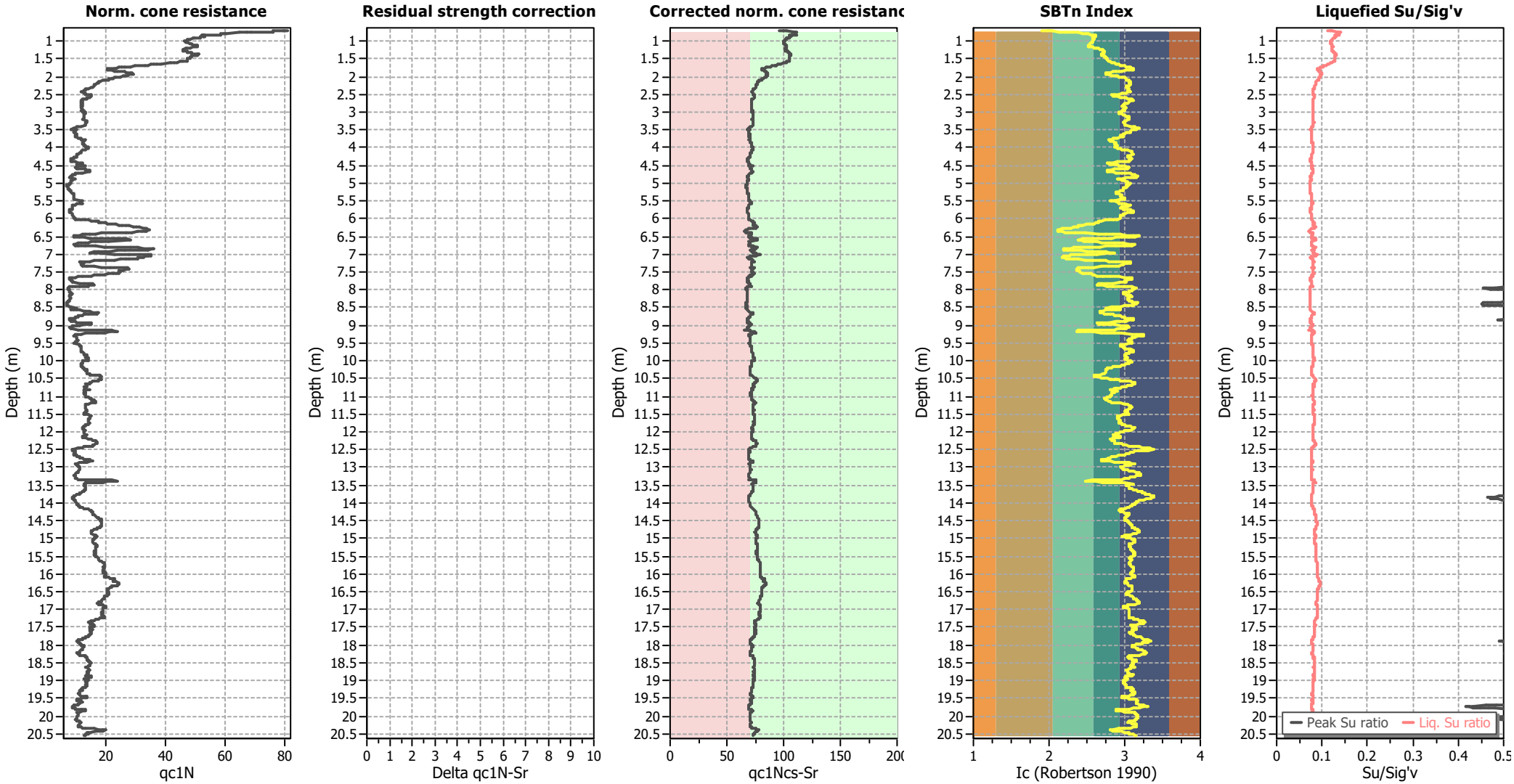




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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}
0.71	2.00	0.00	0.00	0.01	0.00	0.72	2.00	0.00	0.00	0.01	0.00
0.73	2.00	0.00	0.00	0.01	0.00	0.74	2.00	0.00	0.00	0.01	0.00
0.75	2.00	0.00	0.00	0.01	0.00	0.76	2.00	0.00	0.00	0.01	0.00
0.77	2.00	0.00	0.00	0.01	0.00	0.78	2.00	0.00	0.00	0.01	0.00
0.79	2.00	0.00	0.00	0.01	0.00	0.80	2.00	0.00	0.00	0.01	0.00
0.81	2.00	0.00	0.00	0.01	0.00	0.82	2.00	0.00	0.00	0.01	0.00
0.83	2.00	0.00	0.00	0.01	0.00	0.84	2.00	0.00	0.00	0.01	0.00
0.85	2.00	0.00	0.00	0.01	0.00	0.86	2.00	0.00	0.00	0.01	0.00
0.87	2.00	0.00	0.00	0.01	0.00	0.88	2.00	0.00	0.00	0.01	0.00
0.89	2.00	0.00	0.00	0.01	0.00	0.90	2.00	0.00	0.00	0.01	0.00
0.91	2.00	0.00	0.00	0.01	0.00	0.92	2.00	0.00	0.00	0.01	0.00
0.93	2.00	0.00	0.00	0.01	0.00	0.94	2.00	0.00	0.00	0.01	0.00
0.95	2.00	0.00	0.00	0.01	0.00	0.96	2.00	0.00	0.00	0.01	0.00
0.97	2.00	0.00	0.00	0.01	0.00	0.98	2.00	0.00	0.00	0.01	0.00
0.99	2.00	0.00	0.00	0.01	0.00	1.00	2.00	0.00	0.00	0.01	0.00
1.01	0.94	0.06	19.36	0.01	0.01	1.02	0.93	0.07	17.06	0.01	0.01
1.03	0.93	0.07	15.20	0.01	0.01	1.04	0.92	0.08	10.59	0.01	0.01
1.05	0.93	0.07	12.70	0.01	0.01	1.06	0.93	0.07	15.70	0.01	0.01
1.07	0.93	0.07	12.86	0.01	0.01	1.08	0.92	0.08	10.97	0.01	0.01
1.09	0.92	0.08	12.10	0.01	0.01	1.10	0.93	0.07	13.93	0.01	0.01
1.11	0.93	0.07	16.47	0.01	0.01	1.12	0.93	0.07	18.42	0.01	0.01
1.13	0.94	0.06	21.26	0.01	0.01	1.14	0.93	0.07	18.27	0.01	0.01
1.15	0.93	0.07	16.62	0.01	0.01	1.16	0.92	0.08	11.21	0.01	0.01
1.17	0.91	0.09	8.85	0.01	0.01	1.18	0.91	0.09	7.33	0.01	0.01
1.19	0.89	0.11	5.30	0.01	0.01	1.20	2.00	0.00	0.00	0.01	0.00
1.21	2.00	0.00	0.00	0.01	0.00	1.22	2.00	0.00	0.00	0.01	0.00
1.23	2.00	0.00	0.00	0.01	0.00	1.24	2.00	0.00	0.00	0.01	0.00
1.25	2.00	0.00	0.00	0.01	0.00	1.26	2.00	0.00	0.00	0.01	0.00
1.27	2.00	0.00	0.00	0.01	0.00	1.28	2.00	0.00	0.00	0.01	0.00
1.29	2.00	0.00	0.00	0.01	0.00	1.30	2.00	0.00	0.00	0.01	0.00
1.31	2.00	0.00	0.00	0.01	0.00	1.32	2.00	0.00	0.00	0.01	0.00
1.33	2.00	0.00	0.00	0.01	0.00	1.34	2.00	0.00	0.00	0.01	0.00
1.35	2.00	0.00	0.00	0.01	0.00	1.36	2.00	0.00	0.00	0.01	0.00
1.37	2.00	0.00	0.00	0.01	0.00	1.38	2.00	0.00	0.00	0.01	0.00
1.39	2.00	0.00	0.00	0.01	0.00	1.40	2.00	0.00	0.00	0.01	0.00
1.41	2.00	0.00	0.00	0.01	0.00	1.42	2.00	0.00	0.00	0.01	0.00
1.43	2.00	0.00	0.00	0.01	0.00	1.44	2.00	0.00	0.00	0.01	0.00
1.45	2.00	0.00	0.00	0.01	0.00	1.46	2.00	0.00	0.00	0.01	0.00
1.47	2.00	0.00	0.00	0.01	0.00	1.48	2.00	0.00	0.00	0.01	0.00
1.49	2.00	0.00	0.00	0.01	0.00	1.50	2.00	0.00	0.00	0.01	0.00
1.51	2.00	0.00	0.00	0.01	0.00	1.52	2.00	0.00	0.00	0.01	0.00
1.53	2.00	0.00	0.00	0.01	0.00	1.54	2.00	0.00	0.00	0.01	0.00
1.55	2.00	0.00	0.00	0.01	0.00	1.56	2.00	0.00	0.00	0.01	0.00
1.57	2.00	0.00	0.00	0.01	0.00	1.58	2.00	0.00	0.00	0.01	0.00
1.59	2.00	0.00	0.00	0.01	0.00	1.60	2.00	0.00	0.00	0.01	0.00
1.61	2.00	0.00	0.00	0.01	0.00	1.62	2.00	0.00	0.00	0.01	0.00
1.63	2.00	0.00	0.00	0.01	0.00	1.64	2.00	0.00	0.00	0.01	0.00
1.65	2.00	0.00	0.00	0.01	0.00	1.66	2.00	0.00	0.00	0.01	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}
1.67	2.00	0.00	0.00	0.01	0.00	1.68	2.00	0.00	0.00	0.01	0.00
1.69	2.00	0.00	0.00	0.01	0.00	1.70	2.00	0.00	0.00	0.01	0.00
1.71	2.00	0.00	0.00	0.01	0.00	1.72	2.00	0.00	0.00	0.01	0.00
1.73	2.00	0.00	0.00	0.01	0.00	1.74	2.00	0.00	0.00	0.01	0.00
1.75	2.00	0.00	0.00	0.01	0.00	1.76	2.00	0.00	0.00	0.01	0.00
1.77	2.00	0.00	0.00	0.01	0.00	1.78	2.00	0.00	0.00	0.01	0.00
1.79	2.00	0.00	0.00	0.01	0.00	1.80	2.00	0.00	0.00	0.01	0.00
1.81	2.00	0.00	0.00	0.01	0.00	1.82	2.00	0.00	0.00	0.01	0.00
1.83	2.00	0.00	0.00	0.01	0.00	1.84	2.00	0.00	0.00	0.01	0.00
1.85	2.00	0.00	0.00	0.01	0.00	1.86	2.00	0.00	0.00	0.01	0.00
1.87	2.00	0.00	0.00	0.01	0.00	1.88	2.00	0.00	0.00	0.01	0.00
1.89	2.00	0.00	0.00	0.01	0.00	1.90	2.00	0.00	0.00	0.01	0.00
1.91	2.00	0.00	0.00	0.01	0.00	1.92	2.00	0.00	0.00	0.01	0.00
1.93	2.00	0.00	0.00	0.01	0.00	1.94	2.00	0.00	0.00	0.01	0.00
1.95	2.00	0.00	0.00	0.01	0.00	1.96	2.00	0.00	0.00	0.01	0.00
1.97	2.00	0.00	0.00	0.01	0.00	1.98	2.00	0.00	0.00	0.01	0.00
1.99	2.00	0.00	0.00	0.01	0.00	2.00	2.00	0.00	0.00	0.01	0.00
2.01	2.00	0.00	0.00	0.01	0.00	2.02	2.00	0.00	0.00	0.01	0.00
2.03	2.00	0.00	0.00	0.01	0.00	2.04	2.00	0.00	0.00	0.01	0.00
2.05	2.00	0.00	0.00	0.01	0.00	2.06	2.00	0.00	0.00	0.01	0.00
2.07	2.00	0.00	0.00	0.01	0.00	2.08	2.00	0.00	0.00	0.01	0.00
2.09	2.00	0.00	0.00	0.01	0.00	2.10	2.00	0.00	0.00	0.01	0.00
2.11	2.00	0.00	0.00	0.01	0.00	2.12	2.00	0.00	0.00	0.01	0.00
2.13	2.00	0.00	0.00	0.01	0.00	2.14	2.00	0.00	0.00	0.01	0.00
2.15	2.00	0.00	0.00	0.01	0.00	2.16	2.00	0.00	0.00	0.01	0.00
2.17	2.00	0.00	0.00	0.01	0.00	2.18	2.00	0.00	0.00	0.01	0.00
2.19	2.00	0.00	0.00	0.01	0.00	2.20	2.00	0.00	0.00	0.01	0.00
2.21	2.00	0.00	0.00	0.01	0.00	2.22	2.00	0.00	0.00	0.01	0.00
2.23	2.00	0.00	0.00	0.01	0.00	2.24	2.00	0.00	0.00	0.01	0.00
2.25	2.00	0.00	0.00	0.01	0.00	2.26	2.00	0.00	0.00	0.01	0.00
2.27	2.00	0.00	0.00	0.01	0.00	2.28	2.00	0.00	0.00	0.01	0.00
2.29	2.00	0.00	0.00	0.01	0.00	2.30	2.00	0.00	0.00	0.01	0.00
2.31	2.00	0.00	0.00	0.01	0.00	2.32	2.00	0.00	0.00	0.01	0.00
2.33	2.00	0.00	0.00	0.01	0.00	2.34	2.00	0.00	0.00	0.01	0.00
2.35	2.00	0.00	0.00	0.01	0.00	2.36	2.00	0.00	0.00	0.01	0.00
2.37	2.00	0.00	0.00	0.01	0.00	2.38	2.00	0.00	0.00	0.01	0.00
2.39	2.00	0.00	0.00	0.01	0.00	2.40	2.00	0.00	0.00	0.01	0.00
2.41	2.00	0.00	0.00	0.01	0.00	2.42	2.00	0.00	0.00	0.01	0.00
2.43	2.00	0.00	0.00	0.01	0.00	2.44	2.00	0.00	0.00	0.01	0.00
2.45	2.00	0.00	0.00	0.01	0.00	2.46	2.00	0.00	0.00	0.01	0.00
2.47	2.00	0.00	0.00	0.01	0.00	2.48	2.00	0.00	0.00	0.01	0.00
2.49	2.00	0.00	0.00	0.01	0.00	2.50	2.00	0.00	0.00	0.01	0.00
2.51	2.00	0.00	0.00	0.01	0.00	2.52	2.00	0.00	0.00	0.01	0.00
2.53	2.00	0.00	0.00	0.01	0.00	2.54	2.00	0.00	0.00	0.01	0.00
2.55	2.00	0.00	0.00	0.01	0.00	2.56	2.00	0.00	0.00	0.01	0.00
2.57	2.00	0.00	0.00	0.01	0.00	2.58	2.00	0.00	0.00	0.01	0.00
2.59	2.00	0.00	0.00	0.01	0.00	2.60	2.00	0.00	0.00	0.01	0.00
2.61	2.00	0.00	0.00	0.01	0.00	2.62	2.00	0.00	0.00	0.01	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}
2.63	2.00	0.00	0.00	0.01	0.00	2.64	2.00	0.00	0.00	0.01	0.00
2.65	2.00	0.00	0.00	0.01	0.00	2.66	2.00	0.00	0.00	0.01	0.00
2.67	2.00	0.00	0.00	0.01	0.00	2.68	2.00	0.00	0.00	0.01	0.00
2.69	2.00	0.00	0.00	0.01	0.00	2.70	2.00	0.00	0.00	0.01	0.00
2.71	2.00	0.00	0.00	0.01	0.00	2.72	2.00	0.00	0.00	0.01	0.00
2.73	2.00	0.00	0.00	0.01	0.00	2.74	2.00	0.00	0.00	0.01	0.00
2.75	2.00	0.00	0.00	0.01	0.00	2.76	2.00	0.00	0.00	0.01	0.00
2.77	2.00	0.00	0.00	0.01	0.00	2.78	2.00	0.00	0.00	0.01	0.00
2.79	2.00	0.00	0.00	0.01	0.00	2.80	2.00	0.00	0.00	0.01	0.00
2.81	2.00	0.00	0.00	0.01	0.00	2.82	2.00	0.00	0.00	0.01	0.00
2.83	2.00	0.00	0.00	0.01	0.00	2.84	2.00	0.00	0.00	0.01	0.00
2.85	2.00	0.00	0.00	0.01	0.00	2.86	2.00	0.00	0.00	0.01	0.00
2.87	2.00	0.00	0.00	0.01	0.00	2.88	2.00	0.00	0.00	0.01	0.00
2.89	2.00	0.00	0.00	0.01	0.00	2.90	2.00	0.00	0.00	0.01	0.00
2.91	2.00	0.00	0.00	0.01	0.00	2.92	2.00	0.00	0.00	0.01	0.00
2.93	2.00	0.00	0.00	0.01	0.00	2.94	2.00	0.00	0.00	0.01	0.00
2.95	2.00	0.00	0.00	0.01	0.00	2.96	2.00	0.00	0.00	0.01	0.00
2.97	2.00	0.00	0.00	0.01	0.00	2.98	2.00	0.00	0.00	0.01	0.00
2.99	2.00	0.00	0.00	0.01	0.00	3.00	2.00	0.00	0.00	0.01	0.00
3.01	2.00	0.00	0.00	0.01	0.00	3.02	2.00	0.00	0.00	0.01	0.00
3.03	2.00	0.00	0.00	0.01	0.00	3.04	2.00	0.00	0.00	0.01	0.00
3.05	2.00	0.00	0.00	0.01	0.00	3.06	2.00	0.00	0.00	0.01	0.00
3.07	2.00	0.00	0.00	0.01	0.00	3.08	2.00	0.00	0.00	0.01	0.00
3.09	2.00	0.00	0.00	0.01	0.00	3.10	2.00	0.00	0.00	0.01	0.00
3.11	2.00	0.00	0.00	0.01	0.00	3.12	2.00	0.00	0.00	0.01	0.00
3.13	2.00	0.00	0.00	0.01	0.00	3.14	2.00	0.00	0.00	0.01	0.00
3.15	2.00	0.00	0.00	0.01	0.00	3.16	2.00	0.00	0.00	0.01	0.00
3.17	2.00	0.00	0.00	0.01	0.00	3.18	2.00	0.00	0.00	0.01	0.00
3.19	2.00	0.00	0.00	0.01	0.00	3.20	2.00	0.00	0.00	0.01	0.00
3.21	2.00	0.00	0.00	0.01	0.00	3.22	2.00	0.00	0.00	0.01	0.00
3.23	2.00	0.00	0.00	0.01	0.00	3.24	2.00	0.00	0.00	0.01	0.00
3.25	2.00	0.00	0.00	0.01	0.00	3.26	2.00	0.00	0.00	0.01	0.00
3.27	2.00	0.00	0.00	0.01	0.00	3.28	2.00	0.00	0.00	0.01	0.00
3.29	2.00	0.00	0.00	0.01	0.00	3.30	2.00	0.00	0.00	0.01	0.00
3.31	2.00	0.00	0.00	0.01	0.00	3.32	2.00	0.00	0.00	0.01	0.00
3.33	2.00	0.00	0.00	0.01	0.00	3.34	2.00	0.00	0.00	0.01	0.00
3.35	2.00	0.00	0.00	0.01	0.00	3.36	2.00	0.00	0.00	0.01	0.00
3.37	2.00	0.00	0.00	0.01	0.00	3.38	2.00	0.00	0.00	0.01	0.00
3.39	2.00	0.00	0.00	0.01	0.00	3.40	2.00	0.00	0.00	0.01	0.00
3.41	2.00	0.00	0.00	0.01	0.00	3.42	2.00	0.00	0.00	0.01	0.00
3.43	2.00	0.00	0.00	0.01	0.00	3.44	2.00	0.00	0.00	0.01	0.00
3.45	2.00	0.00	0.00	0.01	0.00	3.46	2.00	0.00	0.00	0.01	0.00
3.47	2.00	0.00	0.00	0.01	0.00	3.48	2.00	0.00	0.00	0.01	0.00
3.49	2.00	0.00	0.00	0.01	0.00	3.50	2.00	0.00	0.00	0.01	0.00
3.51	2.00	0.00	0.00	0.01	0.00	3.52	2.00	0.00	0.00	0.01	0.00
3.53	2.00	0.00	0.00	0.01	0.00	3.54	2.00	0.00	0.00	0.01	0.00
3.55	2.00	0.00	0.00	0.01	0.00	3.56	2.00	0.00	0.00	0.01	0.00
3.57	2.00	0.00	0.00	0.01	0.00	3.58	2.00	0.00	0.00	0.01	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}
3.59	2.00	0.00	0.00	0.01	0.00	3.60	2.00	0.00	0.00	0.01	0.00
3.61	2.00	0.00	0.00	0.01	0.00	3.62	2.00	0.00	0.00	0.01	0.00
3.63	2.00	0.00	0.00	0.01	0.00	3.64	2.00	0.00	0.00	0.01	0.00
3.65	2.00	0.00	0.00	0.01	0.00	3.66	2.00	0.00	0.00	0.01	0.00
3.67	2.00	0.00	0.00	0.01	0.00	3.68	2.00	0.00	0.00	0.01	0.00
3.69	2.00	0.00	0.00	0.01	0.00	3.70	2.00	0.00	0.00	0.01	0.00
3.71	2.00	0.00	0.00	0.01	0.00	3.72	2.00	0.00	0.00	0.01	0.00
3.73	2.00	0.00	0.00	0.01	0.00	3.74	2.00	0.00	0.00	0.01	0.00
3.75	2.00	0.00	0.00	0.01	0.00	3.76	2.00	0.00	0.00	0.01	0.00
3.77	2.00	0.00	0.00	0.01	0.00	3.78	2.00	0.00	0.00	0.01	0.00
3.79	2.00	0.00	0.00	0.01	0.00	3.80	2.00	0.00	0.00	0.01	0.00
3.81	2.00	0.00	0.00	0.01	0.00	3.82	2.00	0.00	0.00	0.01	0.00
3.83	2.00	0.00	0.00	0.01	0.00	3.84	2.00	0.00	0.00	0.01	0.00
3.85	2.00	0.00	0.00	0.01	0.00	3.86	2.00	0.00	0.00	0.01	0.00
3.87	2.00	0.00	0.00	0.01	0.00	3.88	2.00	0.00	0.00	0.01	0.00
3.89	2.00	0.00	0.00	0.01	0.00	3.90	2.00	0.00	0.00	0.01	0.00
3.91	2.00	0.00	0.00	0.01	0.00	3.92	2.00	0.00	0.00	0.01	0.00
3.93	2.00	0.00	0.00	0.01	0.00	3.94	2.00	0.00	0.00	0.01	0.00
3.95	2.00	0.00	0.00	0.01	0.00	3.96	2.00	0.00	0.00	0.01	0.00
3.97	2.00	0.00	0.00	0.01	0.00	3.98	2.00	0.00	0.00	0.01	0.00
3.99	2.00	0.00	0.00	0.01	0.00	4.00	2.00	0.00	0.00	0.01	0.00
4.01	2.00	0.00	0.00	0.01	0.00	4.02	2.00	0.00	0.00	0.01	0.00
4.03	2.00	0.00	0.00	0.01	0.00	4.04	2.00	0.00	0.00	0.01	0.00
4.05	2.00	0.00	0.00	0.01	0.00	4.06	2.00	0.00	0.00	0.01	0.00
4.07	2.00	0.00	0.00	0.01	0.00	4.08	2.00	0.00	0.00	0.01	0.00
4.09	2.00	0.00	0.00	0.01	0.00	4.10	2.00	0.00	0.00	0.01	0.00
4.11	2.00	0.00	0.00	0.01	0.00	4.12	2.00	0.00	0.00	0.01	0.00
4.13	2.00	0.00	0.00	0.01	0.00	4.14	2.00	0.00	0.00	0.01	0.00
4.15	2.00	0.00	0.00	0.01	0.00	4.16	2.00	0.00	0.00	0.01	0.00
4.17	2.00	0.00	0.00	0.01	0.00	4.18	2.00	0.00	0.00	0.01	0.00
4.19	2.00	0.00	0.00	0.01	0.00	4.20	2.00	0.00	0.00	0.01	0.00
4.21	2.00	0.00	0.00	0.01	0.00	4.22	2.00	0.00	0.00	0.01	0.00
4.23	2.00	0.00	0.00	0.01	0.00	4.24	2.00	0.00	0.00	0.01	0.00
4.25	2.00	0.00	0.00	0.01	0.00	4.26	2.00	0.00	0.00	0.01	0.00
4.27	2.00	0.00	0.00	0.01	0.00	4.28	2.00	0.00	0.00	0.01	0.00
4.29	2.00	0.00	0.00	0.01	0.00	4.30	2.00	0.00	0.00	0.01	0.00
4.31	2.00	0.00	0.00	0.01	0.00	4.32	2.00	0.00	0.00	0.01	0.00
4.33	2.00	0.00	0.00	0.01	0.00	4.34	2.00	0.00	0.00	0.01	0.00
4.35	2.00	0.00	0.00	0.01	0.00	4.36	2.00	0.00	0.00	0.01	0.00
4.37	2.00	0.00	0.00	0.01	0.00	4.38	2.00	0.00	0.00	0.01	0.00
4.39	2.00	0.00	0.00	0.01	0.00	4.40	2.00	0.00	0.00	0.01	0.00
4.41	2.00	0.00	0.00	0.01	0.00	4.42	2.00	0.00	0.00	0.01	0.00
4.43	2.00	0.00	0.00	0.01	0.00	4.44	2.00	0.00	0.00	0.01	0.00
4.45	2.00	0.00	0.00	0.01	0.00	4.46	2.00	0.00	0.00	0.01	0.00
4.47	2.00	0.00	0.00	0.01	0.00	4.48	2.00	0.00	0.00	0.01	0.00
4.49	2.00	0.00	0.00	0.01	0.00	4.50	2.00	0.00	0.00	0.01	0.00
4.51	2.00	0.00	0.00	0.01	0.00	4.52	2.00	0.00	0.00	0.01	0.00
4.53	2.00	0.00	0.00	0.01	0.00	4.54	2.00	0.00	0.00	0.01	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}
4.55	2.00	0.00	0.00	0.01	0.00	4.56	2.00	0.00	0.00	0.01	0.00
4.57	2.00	0.00	0.00	0.01	0.00	4.58	2.00	0.00	0.00	0.01	0.00
4.59	2.00	0.00	0.00	0.01	0.00	4.60	2.00	0.00	0.00	0.01	0.00
4.61	2.00	0.00	0.00	0.01	0.00	4.62	2.00	0.00	0.00	0.01	0.00
4.63	2.00	0.00	0.00	0.01	0.00	4.64	2.00	0.00	0.00	0.01	0.00
4.65	2.00	0.00	0.00	0.01	0.00	4.66	2.00	0.00	0.00	0.01	0.00
4.67	2.00	0.00	0.00	0.01	0.00	4.68	2.00	0.00	0.00	0.01	0.00
4.69	2.00	0.00	0.00	0.01	0.00	4.70	2.00	0.00	0.00	0.01	0.00
4.71	2.00	0.00	0.00	0.01	0.00	4.72	2.00	0.00	0.00	0.01	0.00
4.73	2.00	0.00	0.00	0.01	0.00	4.74	2.00	0.00	0.00	0.01	0.00
4.75	2.00	0.00	0.00	0.01	0.00	4.76	2.00	0.00	0.00	0.01	0.00
4.77	2.00	0.00	0.00	0.01	0.00	4.78	2.00	0.00	0.00	0.01	0.00
4.79	2.00	0.00	0.00	0.01	0.00	4.80	2.00	0.00	0.00	0.01	0.00
4.81	2.00	0.00	0.00	0.01	0.00	4.82	2.00	0.00	0.00	0.01	0.00
4.83	2.00	0.00	0.00	0.01	0.00	4.84	2.00	0.00	0.00	0.01	0.00
4.85	2.00	0.00	0.00	0.01	0.00	4.86	2.00	0.00	0.00	0.01	0.00
4.87	2.00	0.00	0.00	0.01	0.00	4.88	2.00	0.00	0.00	0.01	0.00
4.89	2.00	0.00	0.00	0.01	0.00	4.90	2.00	0.00	0.00	0.01	0.00
4.91	2.00	0.00	0.00	0.01	0.00	4.92	2.00	0.00	0.00	0.01	0.00
4.93	2.00	0.00	0.00	0.01	0.00	4.94	2.00	0.00	0.00	0.01	0.00
4.95	2.00	0.00	0.00	0.01	0.00	4.96	2.00	0.00	0.00	0.01	0.00
4.97	2.00	0.00	0.00	0.01	0.00	4.98	2.00	0.00	0.00	0.01	0.00
4.99	2.00	0.00	0.00	0.01	0.00	5.00	2.00	0.00	0.00	0.01	0.00
5.01	2.00	0.00	0.00	0.01	0.00	5.02	2.00	0.00	0.00	0.01	0.00
5.03	2.00	0.00	0.00	0.01	0.00	5.04	2.00	0.00	0.00	0.01	0.00
5.05	2.00	0.00	0.00	0.01	0.00	5.06	2.00	0.00	0.00	0.01	0.00
5.07	2.00	0.00	0.00	0.01	0.00	5.08	2.00	0.00	0.00	0.01	0.00
5.09	2.00	0.00	0.00	0.01	0.00	5.10	2.00	0.00	0.00	0.01	0.00
5.11	2.00	0.00	0.00	0.01	0.00	5.12	2.00	0.00	0.00	0.01	0.00
5.13	2.00	0.00	0.00	0.01	0.00	5.14	2.00	0.00	0.00	0.01	0.00
5.15	2.00	0.00	0.00	0.01	0.00	5.16	2.00	0.00	0.00	0.01	0.00
5.17	2.00	0.00	0.00	0.01	0.00	5.18	2.00	0.00	0.00	0.01	0.00
5.19	2.00	0.00	0.00	0.01	0.00	5.20	2.00	0.00	0.00	0.01	0.00
5.21	2.00	0.00	0.00	0.01	0.00	5.22	2.00	0.00	0.00	0.01	0.00
5.23	2.00	0.00	0.00	0.01	0.00	5.24	2.00	0.00	0.00	0.01	0.00
5.25	2.00	0.00	0.00	0.01	0.00	5.26	2.00	0.00	0.00	0.01	0.00
5.27	2.00	0.00	0.00	0.01	0.00	5.28	2.00	0.00	0.00	0.01	0.00
5.29	2.00	0.00	0.00	0.01	0.00	5.30	2.00	0.00	0.00	0.01	0.00
5.31	2.00	0.00	0.00	0.01	0.00	5.32	2.00	0.00	0.00	0.01	0.00
5.33	2.00	0.00	0.00	0.01	0.00	5.34	2.00	0.00	0.00	0.01	0.00
5.35	2.00	0.00	0.00	0.01	0.00	5.36	2.00	0.00	0.00	0.01	0.00
5.37	2.00	0.00	0.00	0.01	0.00	5.38	2.00	0.00	0.00	0.01	0.00
5.39	2.00	0.00	0.00	0.01	0.00	5.40	2.00	0.00	0.00	0.01	0.00
5.41	2.00	0.00	0.00	0.01	0.00	5.42	2.00	0.00	0.00	0.01	0.00
5.43	2.00	0.00	0.00	0.01	0.00	5.44	2.00	0.00	0.00	0.01	0.00
5.45	2.00	0.00	0.00	0.01	0.00	5.46	2.00	0.00	0.00	0.01	0.00
5.47	2.00	0.00	0.00	0.01	0.00	5.48	2.00	0.00	0.00	0.01	0.00
5.49	2.00	0.00	0.00	0.01	0.00	5.50	2.00	0.00	0.00	0.01	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}
5.51	2.00	0.00	0.00	0.01	0.00	5.52	2.00	0.00	0.00	0.01	0.00
5.53	2.00	0.00	0.00	0.01	0.00	5.54	2.00	0.00	0.00	0.01	0.00
5.55	2.00	0.00	0.00	0.01	0.00	5.56	2.00	0.00	0.00	0.01	0.00
5.57	2.00	0.00	0.00	0.01	0.00	5.58	2.00	0.00	0.00	0.01	0.00
5.59	2.00	0.00	0.00	0.01	0.00	5.60	2.00	0.00	0.00	0.01	0.00
5.61	2.00	0.00	0.00	0.01	0.00	5.62	2.00	0.00	0.00	0.01	0.00
5.63	2.00	0.00	0.00	0.01	0.00	5.64	2.00	0.00	0.00	0.01	0.00
5.65	2.00	0.00	0.00	0.01	0.00	5.66	2.00	0.00	0.00	0.01	0.00
5.67	2.00	0.00	0.00	0.01	0.00	5.68	2.00	0.00	0.00	0.01	0.00
5.69	2.00	0.00	0.00	0.01	0.00	5.70	2.00	0.00	0.00	0.01	0.00
5.71	2.00	0.00	0.00	0.01	0.00	5.72	2.00	0.00	0.00	0.01	0.00
5.73	2.00	0.00	0.00	0.01	0.00	5.74	2.00	0.00	0.00	0.01	0.00
5.75	2.00	0.00	0.00	0.01	0.00	5.76	2.00	0.00	0.00	0.01	0.00
5.77	2.00	0.00	0.00	0.01	0.00	5.78	2.00	0.00	0.00	0.01	0.00
5.79	2.00	0.00	0.00	0.01	0.00	5.80	2.00	0.00	0.00	0.01	0.00
5.81	2.00	0.00	0.00	0.01	0.00	5.82	2.00	0.00	0.00	0.01	0.00
5.83	2.00	0.00	0.00	0.01	0.00	5.84	2.00	0.00	0.00	0.01	0.00
5.85	2.00	0.00	0.00	0.01	0.00	5.86	2.00	0.00	0.00	0.01	0.00
5.87	2.00	0.00	0.00	0.01	0.00	5.88	2.00	0.00	0.00	0.01	0.00
5.89	2.00	0.00	0.00	0.01	0.00	5.90	2.00	0.00	0.00	0.01	0.00
5.91	2.00	0.00	0.00	0.01	0.00	5.92	2.00	0.00	0.00	0.01	0.00
5.93	2.00	0.00	0.00	0.01	0.00	5.94	2.00	0.00	0.00	0.01	0.00
5.95	2.00	0.00	0.00	0.01	0.00	5.96	2.00	0.00	0.00	0.01	0.00
5.97	2.00	0.00	0.00	0.01	0.00	5.98	2.00	0.00	0.00	0.01	0.00
5.99	2.00	0.00	0.00	0.01	0.00	6.00	2.00	0.00	0.00	0.01	0.00
6.01	2.00	0.00	0.00	0.01	0.00	6.02	2.00	0.00	0.00	0.01	0.00
6.03	2.00	0.00	0.00	0.01	0.00	6.04	2.00	0.00	0.00	0.01	0.00
6.05	2.00	0.00	0.00	0.01	0.00	6.06	2.00	0.00	0.00	0.01	0.00
6.07	2.00	0.00	0.00	0.01	0.00	6.08	2.00	0.00	0.00	0.01	0.00
6.09	2.00	0.00	0.00	0.01	0.00	6.10	2.00	0.00	0.00	0.01	0.00
6.11	2.00	0.00	0.00	0.01	0.00	6.12	2.00	0.00	0.00	0.01	0.00
6.13	2.00	0.00	0.00	0.01	0.00	6.14	0.36	0.64	0.36	0.01	0.04
6.15	0.36	0.64	0.36	0.01	0.04	6.16	0.36	0.64	0.36	0.01	0.04
6.17	0.37	0.63	0.36	0.01	0.04	6.18	0.37	0.63	0.36	0.01	0.04
6.19	0.37	0.63	0.36	0.01	0.04	6.20	0.38	0.62	0.37	0.01	0.04
6.21	0.38	0.62	0.37	0.01	0.04	6.22	0.39	0.61	0.38	0.01	0.04
6.23	0.39	0.61	0.38	0.01	0.04	6.24	0.39	0.61	0.38	0.01	0.04
6.25	0.39	0.61	0.38	0.01	0.04	6.26	0.39	0.61	0.38	0.01	0.04
6.27	0.39	0.61	0.37	0.01	0.04	6.28	0.38	0.62	0.37	0.01	0.04
6.29	0.38	0.62	0.37	0.01	0.04	6.30	0.37	0.63	0.37	0.01	0.04
6.31	0.37	0.63	0.36	0.01	0.04	6.32	0.37	0.63	0.36	0.01	0.04
6.33	0.36	0.64	0.36	0.01	0.04	6.34	0.36	0.64	0.36	0.01	0.04
6.35	0.36	0.64	0.36	0.01	0.04	6.36	0.36	0.64	0.36	0.01	0.04
6.37	0.36	0.64	0.36	0.01	0.04	6.38	0.36	0.64	0.36	0.01	0.04
6.39	0.36	0.64	0.36	0.01	0.04	6.40	0.37	0.63	0.36	0.01	0.04
6.41	0.34	0.66	0.35	0.01	0.04	6.42	2.00	0.00	0.00	0.01	0.00
6.43	2.00	0.00	0.00	0.01	0.00	6.44	2.00	0.00	0.00	0.01	0.00
6.45	2.00	0.00	0.00	0.01	0.00	6.46	2.00	0.00	0.00	0.01	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}
6.47	2.00	0.00	0.00	0.01	0.00	6.48	2.00	0.00	0.00	0.01	0.00
6.49	2.00	0.00	0.00	0.01	0.00	6.50	2.00	0.00	0.00	0.01	0.00
6.51	2.00	0.00	0.00	0.01	0.00	6.52	2.00	0.00	0.00	0.01	0.00
6.53	2.00	0.00	0.00	0.01	0.00	6.54	2.00	0.00	0.00	0.01	0.00
6.55	2.00	0.00	0.00	0.01	0.00	6.56	0.37	0.63	0.36	0.01	0.04
6.57	0.37	0.63	0.37	0.01	0.04	6.58	0.38	0.62	0.37	0.01	0.04
6.59	0.38	0.62	0.37	0.01	0.04	6.60	0.38	0.62	0.37	0.01	0.04
6.61	0.38	0.62	0.37	0.01	0.04	6.62	0.38	0.62	0.37	0.01	0.04
6.63	0.35	0.65	0.35	0.01	0.04	6.64	0.35	0.65	0.35	0.01	0.04
6.65	0.34	0.66	0.35	0.01	0.04	6.66	2.00	0.00	0.00	0.01	0.00
6.67	2.00	0.00	0.00	0.01	0.00	6.68	2.00	0.00	0.00	0.01	0.00
6.69	2.00	0.00	0.00	0.01	0.00	6.70	2.00	0.00	0.00	0.01	0.00
6.71	2.00	0.00	0.00	0.01	0.00	6.72	2.00	0.00	0.00	0.01	0.00
6.73	2.00	0.00	0.00	0.01	0.00	6.74	2.00	0.00	0.00	0.01	0.00
6.75	2.00	0.00	0.00	0.01	0.00	6.76	2.00	0.00	0.00	0.01	0.00
6.77	2.00	0.00	0.00	0.01	0.00	6.78	2.00	0.00	0.00	0.01	0.00
6.79	2.00	0.00	0.00	0.01	0.00	6.80	0.35	0.65	0.35	0.01	0.04
6.81	0.38	0.62	0.37	0.01	0.04	6.82	0.38	0.62	0.37	0.01	0.04
6.83	0.39	0.61	0.38	0.01	0.04	6.84	0.39	0.61	0.38	0.01	0.04
6.85	0.39	0.61	0.38	0.01	0.04	6.86	0.38	0.62	0.37	0.01	0.04
6.87	0.38	0.62	0.37	0.01	0.04	6.88	0.39	0.61	0.38	0.01	0.04
6.89	0.36	0.64	0.36	0.01	0.04	6.90	0.36	0.64	0.36	0.01	0.04
6.91	0.36	0.64	0.35	0.01	0.04	6.92	0.35	0.65	0.35	0.01	0.04
6.93	2.00	0.00	0.00	0.01	0.00	6.94	2.00	0.00	0.00	0.01	0.00
6.95	2.00	0.00	0.00	0.01	0.00	6.96	2.00	0.00	0.00	0.01	0.00
6.97	2.00	0.00	0.00	0.01	0.00	6.98	2.00	0.00	0.00	0.01	0.00
6.99	2.00	0.00	0.00	0.01	0.00	7.00	0.38	0.62	0.37	0.01	0.04
7.01	0.40	0.60	0.38	0.01	0.04	7.02	0.40	0.60	0.39	0.01	0.04
7.03	0.40	0.60	0.39	0.01	0.04	7.04	0.40	0.60	0.38	0.01	0.04
7.05	0.39	0.61	0.38	0.01	0.04	7.06	0.38	0.62	0.37	0.01	0.04
7.07	0.37	0.63	0.37	0.01	0.04	7.08	0.37	0.63	0.36	0.01	0.04
7.09	0.37	0.63	0.36	0.01	0.04	7.10	0.37	0.63	0.36	0.01	0.04
7.11	0.36	0.64	0.36	0.01	0.04	7.12	0.37	0.63	0.36	0.01	0.04
7.13	0.36	0.64	0.36	0.01	0.04	7.14	0.36	0.64	0.36	0.01	0.04
7.15	0.36	0.64	0.36	0.01	0.04	7.16	0.36	0.64	0.36	0.01	0.04
7.17	0.35	0.65	0.35	0.01	0.04	7.18	2.00	0.00	0.00	0.01	0.00
7.19	2.00	0.00	0.00	0.01	0.00	7.20	2.00	0.00	0.00	0.01	0.00
7.21	2.00	0.00	0.00	0.01	0.00	7.22	2.00	0.00	0.00	0.01	0.00
7.23	2.00	0.00	0.00	0.01	0.00	7.24	2.00	0.00	0.00	0.01	0.00
7.25	2.00	0.00	0.00	0.01	0.00	7.26	2.00	0.00	0.00	0.01	0.00
7.27	2.00	0.00	0.00	0.01	0.00	7.28	2.00	0.00	0.00	0.01	0.00
7.29	2.00	0.00	0.00	0.01	0.00	7.30	2.00	0.00	0.00	0.01	0.00
7.31	2.00	0.00	0.00	0.01	0.00	7.32	2.00	0.00	0.00	0.01	0.00
7.33	2.00	0.00	0.00	0.01	0.00	7.34	2.00	0.00	0.00	0.01	0.00
7.35	2.00	0.00	0.00	0.01	0.00	7.36	0.35	0.65	0.35	0.01	0.04
7.37	0.36	0.64	0.36	0.01	0.04	7.38	0.35	0.65	0.35	0.01	0.04
7.39	0.37	0.63	0.37	0.01	0.04	7.40	0.37	0.63	0.36	0.01	0.04
7.41	0.37	0.63	0.36	0.01	0.04	7.42	0.37	0.63	0.36	0.01	0.04

:: 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}
7.43	0.37	0.63	0.36	0.01	0.04	7.44	0.36	0.64	0.36	0.01	0.04
7.45	0.36	0.64	0.36	0.01	0.04	7.46	0.36	0.64	0.36	0.01	0.04
7.47	0.36	0.64	0.36	0.01	0.04	7.48	0.36	0.64	0.36	0.01	0.04
7.49	0.36	0.64	0.36	0.01	0.04	7.50	0.36	0.64	0.36	0.01	0.04
7.51	0.36	0.64	0.36	0.01	0.04	7.52	0.36	0.64	0.36	0.01	0.04
7.53	0.36	0.64	0.36	0.01	0.04	7.54	0.36	0.64	0.36	0.01	0.04
7.55	0.36	0.64	0.36	0.01	0.04	7.56	0.36	0.64	0.35	0.01	0.04
7.57	0.35	0.65	0.35	0.01	0.04	7.58	0.34	0.66	0.35	0.01	0.04
7.59	0.34	0.66	0.35	0.01	0.04	7.60	2.00	0.00	0.00	0.01	0.00
7.61	2.00	0.00	0.00	0.01	0.00	7.62	2.00	0.00	0.00	0.01	0.00
7.63	2.00	0.00	0.00	0.01	0.00	7.64	2.00	0.00	0.00	0.01	0.00
7.65	2.00	0.00	0.00	0.01	0.00	7.66	2.00	0.00	0.00	0.01	0.00
7.67	2.00	0.00	0.00	0.01	0.00	7.68	2.00	0.00	0.00	0.01	0.00
7.69	2.00	0.00	0.00	0.01	0.00	7.70	2.00	0.00	0.00	0.01	0.00
7.71	2.00	0.00	0.00	0.01	0.00	7.72	2.00	0.00	0.00	0.01	0.00
7.73	2.00	0.00	0.00	0.01	0.00	7.74	2.00	0.00	0.00	0.01	0.00
7.75	2.00	0.00	0.00	0.01	0.00	7.76	2.00	0.00	0.00	0.01	0.00
7.77	2.00	0.00	0.00	0.01	0.00	7.78	2.00	0.00	0.00	0.01	0.00
7.79	2.00	0.00	0.00	0.01	0.00	7.80	2.00	0.00	0.00	0.01	0.00
7.81	2.00	0.00	0.00	0.01	0.00	7.82	2.00	0.00	0.00	0.01	0.00
7.83	2.00	0.00	0.00	0.01	0.00	7.84	2.00	0.00	0.00	0.01	0.00
7.85	2.00	0.00	0.00	0.01	0.00	7.86	2.00	0.00	0.00	0.01	0.00
7.87	2.00	0.00	0.00	0.01	0.00	7.88	2.00	0.00	0.00	0.01	0.00
7.89	2.00	0.00	0.00	0.01	0.00	7.90	2.00	0.00	0.00	0.01	0.00
7.91	2.00	0.00	0.00	0.01	0.00	7.92	2.00	0.00	0.00	0.01	0.00
7.93	2.00	0.00	0.00	0.01	0.00	7.94	2.00	0.00	0.00	0.01	0.00
7.95	2.00	0.00	0.00	0.01	0.00	7.96	2.00	0.00	0.00	0.01	0.00
7.97	2.00	0.00	0.00	0.01	0.00	7.98	2.00	0.00	0.00	0.01	0.00
7.99	2.00	0.00	0.00	0.01	0.00	8.00	2.00	0.00	0.00	0.01	0.00
8.01	2.00	0.00	0.00	0.01	0.00	8.02	2.00	0.00	0.00	0.01	0.00
8.03	2.00	0.00	0.00	0.01	0.00	8.04	2.00	0.00	0.00	0.01	0.00
8.05	2.00	0.00	0.00	0.01	0.00	8.06	2.00	0.00	0.00	0.01	0.00
8.07	2.00	0.00	0.00	0.01	0.00	8.08	2.00	0.00	0.00	0.01	0.00
8.09	2.00	0.00	0.00	0.01	0.00	8.10	2.00	0.00	0.00	0.01	0.00
8.11	2.00	0.00	0.00	0.01	0.00	8.12	2.00	0.00	0.00	0.01	0.00
8.13	2.00	0.00	0.00	0.01	0.00	8.14	2.00	0.00	0.00	0.01	0.00
8.15	2.00	0.00	0.00	0.01	0.00	8.16	2.00	0.00	0.00	0.01	0.00
8.17	2.00	0.00	0.00	0.01	0.00	8.18	2.00	0.00	0.00	0.01	0.00
8.19	2.00	0.00	0.00	0.01	0.00	8.20	2.00	0.00	0.00	0.01	0.00
8.21	2.00	0.00	0.00	0.01	0.00	8.22	2.00	0.00	0.00	0.01	0.00
8.23	2.00	0.00	0.00	0.01	0.00	8.24	2.00	0.00	0.00	0.01	0.00
8.25	2.00	0.00	0.00	0.01	0.00	8.26	2.00	0.00	0.00	0.01	0.00
8.27	2.00	0.00	0.00	0.01	0.00	8.28	2.00	0.00	0.00	0.01	0.00
8.29	2.00	0.00	0.00	0.01	0.00	8.30	2.00	0.00	0.00	0.01	0.00
8.31	2.00	0.00	0.00	0.01	0.00	8.32	2.00	0.00	0.00	0.01	0.00
8.33	2.00	0.00	0.00	0.01	0.00	8.34	2.00	0.00	0.00	0.01	0.00
8.35	2.00	0.00	0.00	0.01	0.00	8.36	2.00	0.00	0.00	0.01	0.00
8.37	2.00	0.00	0.00	0.01	0.00	8.38	2.00	0.00	0.00	0.01	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}
8.39	2.00	0.00	0.00	0.01	0.00	8.40	2.00	0.00	0.00	0.01	0.00
8.41	2.00	0.00	0.00	0.01	0.00	8.42	2.00	0.00	0.00	0.01	0.00
8.43	2.00	0.00	0.00	0.01	0.00	8.44	2.00	0.00	0.00	0.01	0.00
8.45	2.00	0.00	0.00	0.01	0.00	8.46	2.00	0.00	0.00	0.01	0.00
8.47	2.00	0.00	0.00	0.01	0.00	8.48	2.00	0.00	0.00	0.01	0.00
8.49	2.00	0.00	0.00	0.01	0.00	8.50	2.00	0.00	0.00	0.01	0.00
8.51	2.00	0.00	0.00	0.01	0.00	8.52	2.00	0.00	0.00	0.01	0.00
8.53	2.00	0.00	0.00	0.01	0.00	8.54	2.00	0.00	0.00	0.01	0.00
8.55	2.00	0.00	0.00	0.01	0.00	8.56	2.00	0.00	0.00	0.01	0.00
8.57	2.00	0.00	0.00	0.01	0.00	8.58	2.00	0.00	0.00	0.01	0.00
8.59	2.00	0.00	0.00	0.01	0.00	8.60	2.00	0.00	0.00	0.01	0.00
8.61	2.00	0.00	0.00	0.01	0.00	8.62	2.00	0.00	0.00	0.01	0.00
8.63	2.00	0.00	0.00	0.01	0.00	8.64	2.00	0.00	0.00	0.01	0.00
8.65	2.00	0.00	0.00	0.01	0.00	8.66	2.00	0.00	0.00	0.01	0.00
8.67	2.00	0.00	0.00	0.01	0.00	8.68	2.00	0.00	0.00	0.01	0.00
8.69	2.00	0.00	0.00	0.01	0.00	8.70	2.00	0.00	0.00	0.01	0.00
8.71	2.00	0.00	0.00	0.01	0.00	8.72	2.00	0.00	0.00	0.01	0.00
8.73	2.00	0.00	0.00	0.01	0.00	8.74	2.00	0.00	0.00	0.01	0.00
8.75	2.00	0.00	0.00	0.01	0.00	8.76	2.00	0.00	0.00	0.01	0.00
8.77	2.00	0.00	0.00	0.01	0.00	8.78	2.00	0.00	0.00	0.01	0.00
8.79	2.00	0.00	0.00	0.01	0.00	8.80	2.00	0.00	0.00	0.01	0.00
8.81	2.00	0.00	0.00	0.01	0.00	8.82	2.00	0.00	0.00	0.01	0.00
8.83	2.00	0.00	0.00	0.01	0.00	8.84	2.00	0.00	0.00	0.01	0.00
8.85	2.00	0.00	0.00	0.01	0.00	8.86	2.00	0.00	0.00	0.01	0.00
8.87	2.00	0.00	0.00	0.01	0.00	8.88	2.00	0.00	0.00	0.01	0.00
8.89	2.00	0.00	0.00	0.01	0.00	8.90	2.00	0.00	0.00	0.01	0.00
8.91	2.00	0.00	0.00	0.01	0.00	8.92	2.00	0.00	0.00	0.01	0.00
8.93	2.00	0.00	0.00	0.01	0.00	8.94	2.00	0.00	0.00	0.01	0.00
8.95	2.00	0.00	0.00	0.01	0.00	8.96	2.00	0.00	0.00	0.01	0.00
8.97	2.00	0.00	0.00	0.01	0.00	8.98	2.00	0.00	0.00	0.01	0.00
8.99	2.00	0.00	0.00	0.01	0.00	9.00	2.00	0.00	0.00	0.01	0.00
9.01	2.00	0.00	0.00	0.01	0.00	9.02	2.00	0.00	0.00	0.01	0.00
9.03	2.00	0.00	0.00	0.01	0.00	9.04	2.00	0.00	0.00	0.01	0.00
9.05	2.00	0.00	0.00	0.01	0.00	9.06	2.00	0.00	0.00	0.01	0.00
9.07	2.00	0.00	0.00	0.01	0.00	9.08	2.00	0.00	0.00	0.01	0.00
9.09	2.00	0.00	0.00	0.01	0.00	9.10	2.00	0.00	0.00	0.01	0.00
9.11	2.00	0.00	0.00	0.01	0.00	9.12	2.00	0.00	0.00	0.01	0.00
9.13	2.00	0.00	0.00	0.01	0.00	9.14	0.35	0.65	0.35	0.01	0.04
9.15	0.35	0.65	0.35	0.01	0.04	9.16	0.35	0.65	0.35	0.01	0.04
9.17	0.36	0.64	0.36	0.01	0.03	9.18	0.36	0.64	0.36	0.01	0.03
9.19	0.36	0.64	0.36	0.01	0.03	9.20	2.00	0.00	0.00	0.01	0.00
9.21	2.00	0.00	0.00	0.01	0.00	9.22	2.00	0.00	0.00	0.01	0.00
9.23	2.00	0.00	0.00	0.01	0.00	9.24	2.00	0.00	0.00	0.01	0.00
9.25	2.00	0.00	0.00	0.01	0.00	9.26	2.00	0.00	0.00	0.01	0.00
9.27	2.00	0.00	0.00	0.01	0.00	9.28	2.00	0.00	0.00	0.01	0.00
9.29	2.00	0.00	0.00	0.01	0.00	9.30	2.00	0.00	0.00	0.01	0.00
9.31	2.00	0.00	0.00	0.01	0.00	9.32	2.00	0.00	0.00	0.01	0.00
9.33	2.00	0.00	0.00	0.01	0.00	9.34	2.00	0.00	0.00	0.01	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}
9.35	2.00	0.00	0.00	0.01	0.00	9.36	2.00	0.00	0.00	0.01	0.00
9.37	2.00	0.00	0.00	0.01	0.00	9.38	2.00	0.00	0.00	0.01	0.00
9.39	2.00	0.00	0.00	0.01	0.00	9.40	2.00	0.00	0.00	0.01	0.00
9.41	2.00	0.00	0.00	0.01	0.00	9.42	2.00	0.00	0.00	0.01	0.00
9.43	2.00	0.00	0.00	0.01	0.00	9.44	2.00	0.00	0.00	0.01	0.00
9.45	2.00	0.00	0.00	0.01	0.00	9.46	2.00	0.00	0.00	0.01	0.00
9.47	2.00	0.00	0.00	0.01	0.00	9.48	2.00	0.00	0.00	0.01	0.00
9.49	2.00	0.00	0.00	0.01	0.00	9.50	2.00	0.00	0.00	0.01	0.00
9.51	2.00	0.00	0.00	0.01	0.00	9.52	2.00	0.00	0.00	0.01	0.00
9.53	2.00	0.00	0.00	0.01	0.00	9.54	2.00	0.00	0.00	0.01	0.00
9.55	2.00	0.00	0.00	0.01	0.00	9.56	2.00	0.00	0.00	0.01	0.00
9.57	2.00	0.00	0.00	0.01	0.00	9.58	2.00	0.00	0.00	0.01	0.00
9.59	2.00	0.00	0.00	0.01	0.00	9.60	2.00	0.00	0.00	0.01	0.00
9.61	2.00	0.00	0.00	0.01	0.00	9.62	2.00	0.00	0.00	0.01	0.00
9.63	2.00	0.00	0.00	0.01	0.00	9.64	2.00	0.00	0.00	0.01	0.00
9.65	2.00	0.00	0.00	0.01	0.00	9.66	2.00	0.00	0.00	0.01	0.00
9.67	2.00	0.00	0.00	0.01	0.00	9.68	2.00	0.00	0.00	0.01	0.00
9.69	2.00	0.00	0.00	0.01	0.00	9.70	2.00	0.00	0.00	0.01	0.00
9.71	2.00	0.00	0.00	0.01	0.00	9.72	2.00	0.00	0.00	0.01	0.00
9.73	2.00	0.00	0.00	0.01	0.00	9.74	2.00	0.00	0.00	0.01	0.00
9.75	2.00	0.00	0.00	0.01	0.00	9.76	2.00	0.00	0.00	0.01	0.00
9.77	2.00	0.00	0.00	0.01	0.00	9.78	2.00	0.00	0.00	0.01	0.00
9.79	2.00	0.00	0.00	0.01	0.00	9.80	2.00	0.00	0.00	0.01	0.00
9.81	2.00	0.00	0.00	0.01	0.00	9.82	2.00	0.00	0.00	0.01	0.00
9.83	2.00	0.00	0.00	0.01	0.00	9.84	2.00	0.00	0.00	0.01	0.00
9.85	2.00	0.00	0.00	0.01	0.00	9.86	2.00	0.00	0.00	0.01	0.00
9.87	2.00	0.00	0.00	0.01	0.00	9.88	2.00	0.00	0.00	0.01	0.00
9.89	2.00	0.00	0.00	0.01	0.00	9.90	2.00	0.00	0.00	0.01	0.00
9.91	2.00	0.00	0.00	0.01	0.00	9.92	2.00	0.00	0.00	0.01	0.00
9.93	2.00	0.00	0.00	0.01	0.00	9.94	2.00	0.00	0.00	0.01	0.00
9.95	2.00	0.00	0.00	0.01	0.00	9.96	2.00	0.00	0.00	0.01	0.00
9.97	2.00	0.00	0.00	0.01	0.00	9.98	2.00	0.00	0.00	0.01	0.00
9.99	2.00	0.00	0.00	0.01	0.00	10.00	2.00	0.00	0.00	0.01	0.00
10.01	2.00	0.00	0.00	0.01	0.00	10.02	2.00	0.00	0.00	0.01	0.00
10.03	2.00	0.00	0.00	0.01	0.00	10.04	2.00	0.00	0.00	0.01	0.00
10.05	2.00	0.00	0.00	0.01	0.00	10.06	2.00	0.00	0.00	0.01	0.00
10.07	2.00	0.00	0.00	0.01	0.00	10.08	2.00	0.00	0.00	0.01	0.00
10.09	2.00	0.00	0.00	0.01	0.00	10.10	2.00	0.00	0.00	0.01	0.00
10.11	2.00	0.00	0.00	0.01	0.00	10.12	2.00	0.00	0.00	0.01	0.00
10.13	2.00	0.00	0.00	0.01	0.00	10.14	2.00	0.00	0.00	0.01	0.00
10.15	2.00	0.00	0.00	0.01	0.00	10.16	2.00	0.00	0.00	0.01	0.00
10.17	2.00	0.00	0.00	0.01	0.00	10.18	2.00	0.00	0.00	0.01	0.00
10.19	2.00	0.00	0.00	0.01	0.00	10.20	2.00	0.00	0.00	0.01	0.00
10.21	2.00	0.00	0.00	0.01	0.00	10.22	2.00	0.00	0.00	0.01	0.00
10.23	2.00	0.00	0.00	0.01	0.00	10.24	2.00	0.00	0.00	0.01	0.00
10.25	2.00	0.00	0.00	0.01	0.00	10.26	2.00	0.00	0.00	0.01	0.00
10.27	2.00	0.00	0.00	0.01	0.00	10.28	2.00	0.00	0.00	0.01	0.00
10.29	2.00	0.00	0.00	0.01	0.00	10.30	2.00	0.00	0.00	0.01	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}
10.31	2.00	0.00	0.00	0.01	0.00	10.32	2.00	0.00	0.00	0.01	0.00
10.33	2.00	0.00	0.00	0.01	0.00	10.34	2.00	0.00	0.00	0.01	0.00
10.35	2.00	0.00	0.00	0.01	0.00	10.36	2.00	0.00	0.00	0.01	0.00
10.37	2.00	0.00	0.00	0.01	0.00	10.38	2.00	0.00	0.00	0.01	0.00
10.39	2.00	0.00	0.00	0.01	0.00	10.40	2.00	0.00	0.00	0.01	0.00
10.41	2.00	0.00	0.00	0.01	0.00	10.42	2.00	0.00	0.00	0.01	0.00
10.43	2.00	0.00	0.00	0.01	0.00	10.44	2.00	0.00	0.00	0.01	0.00
10.45	2.00	0.00	0.00	0.01	0.00	10.46	2.00	0.00	0.00	0.01	0.00
10.47	2.00	0.00	0.00	0.01	0.00	10.48	2.00	0.00	0.00	0.01	0.00
10.49	2.00	0.00	0.00	0.01	0.00	10.50	2.00	0.00	0.00	0.01	0.00
10.51	2.00	0.00	0.00	0.01	0.00	10.52	2.00	0.00	0.00	0.01	0.00
10.53	2.00	0.00	0.00	0.01	0.00	10.54	2.00	0.00	0.00	0.01	0.00
10.55	2.00	0.00	0.00	0.01	0.00	10.56	2.00	0.00	0.00	0.01	0.00
10.57	2.00	0.00	0.00	0.01	0.00	10.58	2.00	0.00	0.00	0.01	0.00
10.59	2.00	0.00	0.00	0.01	0.00	10.60	2.00	0.00	0.00	0.01	0.00
10.61	2.00	0.00	0.00	0.01	0.00	10.62	2.00	0.00	0.00	0.01	0.00
10.63	2.00	0.00	0.00	0.01	0.00	10.64	2.00	0.00	0.00	0.01	0.00
10.65	2.00	0.00	0.00	0.01	0.00	10.66	2.00	0.00	0.00	0.01	0.00
10.67	2.00	0.00	0.00	0.01	0.00	10.68	2.00	0.00	0.00	0.01	0.00
10.69	2.00	0.00	0.00	0.01	0.00	10.70	2.00	0.00	0.00	0.01	0.00
10.71	2.00	0.00	0.00	0.01	0.00	10.72	2.00	0.00	0.00	0.01	0.00
10.73	2.00	0.00	0.00	0.01	0.00	10.74	2.00	0.00	0.00	0.01	0.00
10.75	2.00	0.00	0.00	0.01	0.00	10.76	2.00	0.00	0.00	0.01	0.00
10.77	2.00	0.00	0.00	0.01	0.00	10.78	2.00	0.00	0.00	0.01	0.00
10.79	2.00	0.00	0.00	0.01	0.00	10.80	2.00	0.00	0.00	0.01	0.00
10.81	2.00	0.00	0.00	0.01	0.00	10.82	2.00	0.00	0.00	0.01	0.00
10.83	2.00	0.00	0.00	0.01	0.00	10.84	2.00	0.00	0.00	0.01	0.00
10.85	2.00	0.00	0.00	0.01	0.00	10.86	2.00	0.00	0.00	0.01	0.00
10.87	2.00	0.00	0.00	0.01	0.00	10.88	2.00	0.00	0.00	0.01	0.00
10.89	2.00	0.00	0.00	0.01	0.00	10.90	2.00	0.00	0.00	0.01	0.00
10.91	2.00	0.00	0.00	0.01	0.00	10.92	2.00	0.00	0.00	0.01	0.00
10.93	2.00	0.00	0.00	0.01	0.00	10.94	2.00	0.00	0.00	0.01	0.00
10.95	2.00	0.00	0.00	0.01	0.00	10.96	2.00	0.00	0.00	0.01	0.00
10.97	2.00	0.00	0.00	0.01	0.00	10.98	2.00	0.00	0.00	0.01	0.00
10.99	2.00	0.00	0.00	0.01	0.00	11.00	2.00	0.00	0.00	0.01	0.00
11.01	2.00	0.00	0.00	0.01	0.00	11.02	2.00	0.00	0.00	0.01	0.00
11.03	2.00	0.00	0.00	0.01	0.00	11.04	2.00	0.00	0.00	0.01	0.00
11.05	2.00	0.00	0.00	0.01	0.00	11.06	2.00	0.00	0.00	0.01	0.00
11.07	2.00	0.00	0.00	0.01	0.00	11.08	2.00	0.00	0.00	0.01	0.00
11.09	2.00	0.00	0.00	0.01	0.00	11.10	2.00	0.00	0.00	0.01	0.00
11.11	2.00	0.00	0.00	0.01	0.00	11.12	2.00	0.00	0.00	0.01	0.00
11.13	2.00	0.00	0.00	0.01	0.00	11.14	2.00	0.00	0.00	0.01	0.00
11.15	2.00	0.00	0.00	0.01	0.00	11.16	2.00	0.00	0.00	0.01	0.00
11.17	2.00	0.00	0.00	0.01	0.00	11.18	2.00	0.00	0.00	0.01	0.00
11.19	2.00	0.00	0.00	0.01	0.00	11.20	2.00	0.00	0.00	0.01	0.00
11.21	2.00	0.00	0.00	0.01	0.00	11.22	2.00	0.00	0.00	0.01	0.00
11.23	2.00	0.00	0.00	0.01	0.00	11.24	2.00	0.00	0.00	0.01	0.00
11.25	2.00	0.00	0.00	0.01	0.00	11.26	2.00	0.00	0.00	0.01	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}
11.27	2.00	0.00	0.00	0.01	0.00	11.28	2.00	0.00	0.00	0.01	0.00
11.29	2.00	0.00	0.00	0.01	0.00	11.30	2.00	0.00	0.00	0.01	0.00
11.31	2.00	0.00	0.00	0.01	0.00	11.32	2.00	0.00	0.00	0.01	0.00
11.33	2.00	0.00	0.00	0.01	0.00	11.34	2.00	0.00	0.00	0.01	0.00
11.35	2.00	0.00	0.00	0.01	0.00	11.36	2.00	0.00	0.00	0.01	0.00
11.37	2.00	0.00	0.00	0.01	0.00	11.38	2.00	0.00	0.00	0.01	0.00
11.39	2.00	0.00	0.00	0.01	0.00	11.40	2.00	0.00	0.00	0.01	0.00
11.41	2.00	0.00	0.00	0.01	0.00	11.42	2.00	0.00	0.00	0.01	0.00
11.43	2.00	0.00	0.00	0.01	0.00	11.44	2.00	0.00	0.00	0.01	0.00
11.45	2.00	0.00	0.00	0.01	0.00	11.46	2.00	0.00	0.00	0.01	0.00
11.47	2.00	0.00	0.00	0.01	0.00	11.48	2.00	0.00	0.00	0.01	0.00
11.49	2.00	0.00	0.00	0.01	0.00	11.50	2.00	0.00	0.00	0.01	0.00
11.51	2.00	0.00	0.00	0.01	0.00	11.52	2.00	0.00	0.00	0.01	0.00
11.53	2.00	0.00	0.00	0.01	0.00	11.54	2.00	0.00	0.00	0.01	0.00
11.55	2.00	0.00	0.00	0.01	0.00	11.56	2.00	0.00	0.00	0.01	0.00
11.57	2.00	0.00	0.00	0.01	0.00	11.58	2.00	0.00	0.00	0.01	0.00
11.59	2.00	0.00	0.00	0.01	0.00	11.60	2.00	0.00	0.00	0.01	0.00
11.61	2.00	0.00	0.00	0.01	0.00	11.62	2.00	0.00	0.00	0.01	0.00
11.63	2.00	0.00	0.00	0.01	0.00	11.64	2.00	0.00	0.00	0.01	0.00
11.65	2.00	0.00	0.00	0.01	0.00	11.66	2.00	0.00	0.00	0.01	0.00
11.67	2.00	0.00	0.00	0.01	0.00	11.68	2.00	0.00	0.00	0.01	0.00
11.69	2.00	0.00	0.00	0.01	0.00	11.70	2.00	0.00	0.00	0.01	0.00
11.71	2.00	0.00	0.00	0.01	0.00	11.72	2.00	0.00	0.00	0.01	0.00
11.73	2.00	0.00	0.00	0.01	0.00	11.74	2.00	0.00	0.00	0.01	0.00
11.75	2.00	0.00	0.00	0.01	0.00	11.76	2.00	0.00	0.00	0.01	0.00
11.77	2.00	0.00	0.00	0.01	0.00	11.78	2.00	0.00	0.00	0.01	0.00
11.79	2.00	0.00	0.00	0.01	0.00	11.80	2.00	0.00	0.00	0.01	0.00
11.81	2.00	0.00	0.00	0.01	0.00	11.82	2.00	0.00	0.00	0.01	0.00
11.83	2.00	0.00	0.00	0.01	0.00	11.84	2.00	0.00	0.00	0.01	0.00
11.85	2.00	0.00	0.00	0.01	0.00	11.86	2.00	0.00	0.00	0.01	0.00
11.87	2.00	0.00	0.00	0.01	0.00	11.88	2.00	0.00	0.00	0.01	0.00
11.89	2.00	0.00	0.00	0.01	0.00	11.90	2.00	0.00	0.00	0.01	0.00
11.91	2.00	0.00	0.00	0.01	0.00	11.92	2.00	0.00	0.00	0.01	0.00
11.93	2.00	0.00	0.00	0.01	0.00	11.94	2.00	0.00	0.00	0.01	0.00
11.95	2.00	0.00	0.00	0.01	0.00	11.96	2.00	0.00	0.00	0.01	0.00
11.97	2.00	0.00	0.00	0.01	0.00	11.98	2.00	0.00	0.00	0.01	0.00
11.99	2.00	0.00	0.00	0.01	0.00	12.00	2.00	0.00	0.00	0.01	0.00
12.01	2.00	0.00	0.00	0.01	0.00	12.02	2.00	0.00	0.00	0.01	0.00
12.03	2.00	0.00	0.00	0.01	0.00	12.04	2.00	0.00	0.00	0.01	0.00
12.05	2.00	0.00	0.00	0.01	0.00	12.06	2.00	0.00	0.00	0.01	0.00
12.07	2.00	0.00	0.00	0.01	0.00	12.08	2.00	0.00	0.00	0.01	0.00
12.09	2.00	0.00	0.00	0.01	0.00	12.10	2.00	0.00	0.00	0.01	0.00
12.11	2.00	0.00	0.00	0.01	0.00	12.12	2.00	0.00	0.00	0.01	0.00
12.13	2.00	0.00	0.00	0.01	0.00	12.14	2.00	0.00	0.00	0.01	0.00
12.15	2.00	0.00	0.00	0.01	0.00	12.16	2.00	0.00	0.00	0.01	0.00
12.17	2.00	0.00	0.00	0.01	0.00	12.18	2.00	0.00	0.00	0.01	0.00
12.19	2.00	0.00	0.00	0.01	0.00	12.20	2.00	0.00	0.00	0.01	0.00
12.21	2.00	0.00	0.00	0.01	0.00	12.22	2.00	0.00	0.00	0.01	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}
12.23	2.00	0.00	0.00	0.01	0.00	12.24	2.00	0.00	0.00	0.01	0.00
12.25	2.00	0.00	0.00	0.01	0.00	12.26	2.00	0.00	0.00	0.01	0.00
12.27	2.00	0.00	0.00	0.01	0.00	12.28	2.00	0.00	0.00	0.01	0.00
12.29	2.00	0.00	0.00	0.01	0.00	12.30	2.00	0.00	0.00	0.01	0.00
12.31	2.00	0.00	0.00	0.01	0.00	12.32	2.00	0.00	0.00	0.01	0.00
12.33	2.00	0.00	0.00	0.01	0.00	12.34	2.00	0.00	0.00	0.01	0.00
12.35	2.00	0.00	0.00	0.01	0.00	12.36	2.00	0.00	0.00	0.01	0.00
12.37	2.00	0.00	0.00	0.01	0.00	12.38	2.00	0.00	0.00	0.01	0.00
12.39	2.00	0.00	0.00	0.01	0.00	12.40	2.00	0.00	0.00	0.01	0.00
12.41	2.00	0.00	0.00	0.01	0.00	12.42	2.00	0.00	0.00	0.01	0.00
12.43	2.00	0.00	0.00	0.01	0.00	12.44	2.00	0.00	0.00	0.01	0.00
12.45	2.00	0.00	0.00	0.01	0.00	12.46	2.00	0.00	0.00	0.01	0.00
12.47	2.00	0.00	0.00	0.01	0.00	12.48	2.00	0.00	0.00	0.01	0.00
12.49	2.00	0.00	0.00	0.01	0.00	12.50	2.00	0.00	0.00	0.01	0.00
12.51	2.00	0.00	0.00	0.01	0.00	12.52	2.00	0.00	0.00	0.01	0.00
12.53	2.00	0.00	0.00	0.01	0.00	12.54	2.00	0.00	0.00	0.01	0.00
12.55	2.00	0.00	0.00	0.01	0.00	12.56	2.00	0.00	0.00	0.01	0.00
12.57	2.00	0.00	0.00	0.01	0.00	12.58	2.00	0.00	0.00	0.01	0.00
12.59	2.00	0.00	0.00	0.01	0.00	12.60	2.00	0.00	0.00	0.01	0.00
12.61	2.00	0.00	0.00	0.01	0.00	12.62	2.00	0.00	0.00	0.01	0.00
12.63	2.00	0.00	0.00	0.01	0.00	12.64	2.00	0.00	0.00	0.01	0.00
12.65	2.00	0.00	0.00	0.01	0.00	12.66	2.00	0.00	0.00	0.01	0.00
12.67	2.00	0.00	0.00	0.01	0.00	12.68	2.00	0.00	0.00	0.01	0.00
12.69	2.00	0.00	0.00	0.01	0.00	12.70	2.00	0.00	0.00	0.01	0.00
12.71	2.00	0.00	0.00	0.01	0.00	12.72	2.00	0.00	0.00	0.01	0.00
12.73	2.00	0.00	0.00	0.01	0.00	12.74	2.00	0.00	0.00	0.01	0.00
12.75	2.00	0.00	0.00	0.01	0.00	12.76	2.00	0.00	0.00	0.01	0.00
12.77	2.00	0.00	0.00	0.01	0.00	12.78	2.00	0.00	0.00	0.01	0.00
12.79	2.00	0.00	0.00	0.01	0.00	12.80	2.00	0.00	0.00	0.01	0.00
12.81	2.00	0.00	0.00	0.01	0.00	12.82	2.00	0.00	0.00	0.01	0.00
12.83	2.00	0.00	0.00	0.01	0.00	12.84	2.00	0.00	0.00	0.01	0.00
12.85	2.00	0.00	0.00	0.01	0.00	12.86	2.00	0.00	0.00	0.01	0.00
12.87	2.00	0.00	0.00	0.01	0.00	12.88	2.00	0.00	0.00	0.01	0.00
12.89	2.00	0.00	0.00	0.01	0.00	12.90	2.00	0.00	0.00	0.01	0.00
12.91	2.00	0.00	0.00	0.01	0.00	12.92	2.00	0.00	0.00	0.01	0.00
12.93	2.00	0.00	0.00	0.01	0.00	12.94	2.00	0.00	0.00	0.01	0.00
12.95	2.00	0.00	0.00	0.01	0.00	12.96	2.00	0.00	0.00	0.01	0.00
12.97	2.00	0.00	0.00	0.01	0.00	12.98	2.00	0.00	0.00	0.01	0.00
12.99	2.00	0.00	0.00	0.01	0.00	13.00	2.00	0.00	0.00	0.01	0.00
13.01	2.00	0.00	0.00	0.01	0.00	13.02	2.00	0.00	0.00	0.01	0.00
13.03	2.00	0.00	0.00	0.01	0.00	13.04	2.00	0.00	0.00	0.01	0.00
13.05	2.00	0.00	0.00	0.01	0.00	13.06	2.00	0.00	0.00	0.01	0.00
13.07	2.00	0.00	0.00	0.01	0.00	13.08	2.00	0.00	0.00	0.01	0.00
13.09	2.00	0.00	0.00	0.01	0.00	13.10	2.00	0.00	0.00	0.01	0.00
13.11	2.00	0.00	0.00	0.01	0.00	13.12	2.00	0.00	0.00	0.01	0.00
13.13	2.00	0.00	0.00	0.01	0.00	13.14	2.00	0.00	0.00	0.01	0.00
13.15	2.00	0.00	0.00	0.01	0.00	13.16	2.00	0.00	0.00	0.01	0.00
13.17	2.00	0.00	0.00	0.01	0.00	13.18	2.00	0.00	0.00	0.01	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}
13.19	2.00	0.00	0.00	0.01	0.00	13.20	2.00	0.00	0.00	0.01	0.00
13.21	2.00	0.00	0.00	0.01	0.00	13.22	2.00	0.00	0.00	0.01	0.00
13.23	2.00	0.00	0.00	0.01	0.00	13.24	2.00	0.00	0.00	0.01	0.00
13.25	2.00	0.00	0.00	0.01	0.00	13.26	2.00	0.00	0.00	0.01	0.00
13.27	2.00	0.00	0.00	0.01	0.00	13.28	2.00	0.00	0.00	0.01	0.00
13.29	2.00	0.00	0.00	0.01	0.00	13.30	2.00	0.00	0.00	0.01	0.00
13.31	2.00	0.00	0.00	0.01	0.00	13.32	2.00	0.00	0.00	0.01	0.00
13.33	2.00	0.00	0.00	0.01	0.00	13.34	2.00	0.00	0.00	0.01	0.00
13.35	2.00	0.00	0.00	0.01	0.00	13.36	2.00	0.00	0.00	0.01	0.00
13.37	0.38	0.62	0.37	0.01	0.02	13.38	0.38	0.62	0.37	0.01	0.02
13.39	0.39	0.61	0.38	0.01	0.02	13.40	0.38	0.62	0.37	0.01	0.02
13.41	2.00	0.00	0.00	0.01	0.00	13.42	2.00	0.00	0.00	0.01	0.00
13.43	2.00	0.00	0.00	0.01	0.00	13.44	2.00	0.00	0.00	0.01	0.00
13.45	2.00	0.00	0.00	0.01	0.00	13.46	2.00	0.00	0.00	0.01	0.00
13.47	2.00	0.00	0.00	0.01	0.00	13.48	2.00	0.00	0.00	0.01	0.00
13.49	2.00	0.00	0.00	0.01	0.00	13.50	2.00	0.00	0.00	0.01	0.00
13.51	2.00	0.00	0.00	0.01	0.00	13.52	2.00	0.00	0.00	0.01	0.00
13.53	2.00	0.00	0.00	0.01	0.00	13.54	2.00	0.00	0.00	0.01	0.00
13.55	2.00	0.00	0.00	0.01	0.00	13.56	2.00	0.00	0.00	0.01	0.00
13.57	2.00	0.00	0.00	0.01	0.00	13.58	2.00	0.00	0.00	0.01	0.00
13.59	2.00	0.00	0.00	0.01	0.00	13.60	2.00	0.00	0.00	0.01	0.00
13.61	2.00	0.00	0.00	0.01	0.00	13.62	2.00	0.00	0.00	0.01	0.00
13.63	2.00	0.00	0.00	0.01	0.00	13.64	2.00	0.00	0.00	0.01	0.00
13.65	2.00	0.00	0.00	0.01	0.00	13.66	2.00	0.00	0.00	0.01	0.00
13.67	2.00	0.00	0.00	0.01	0.00	13.68	2.00	0.00	0.00	0.01	0.00
13.69	2.00	0.00	0.00	0.01	0.00	13.70	2.00	0.00	0.00	0.01	0.00
13.71	2.00	0.00	0.00	0.01	0.00	13.72	2.00	0.00	0.00	0.01	0.00
13.73	2.00	0.00	0.00	0.01	0.00	13.74	2.00	0.00	0.00	0.01	0.00
13.75	2.00	0.00	0.00	0.01	0.00	13.76	2.00	0.00	0.00	0.01	0.00
13.77	2.00	0.00	0.00	0.01	0.00	13.78	2.00	0.00	0.00	0.01	0.00
13.79	2.00	0.00	0.00	0.01	0.00	13.80	2.00	0.00	0.00	0.01	0.00
13.81	2.00	0.00	0.00	0.01	0.00	13.82	2.00	0.00	0.00	0.01	0.00
13.83	2.00	0.00	0.00	0.01	0.00	13.84	2.00	0.00	0.00	0.01	0.00
13.85	2.00	0.00	0.00	0.01	0.00	13.86	2.00	0.00	0.00	0.01	0.00
13.87	2.00	0.00	0.00	0.01	0.00	13.88	2.00	0.00	0.00	0.01	0.00
13.89	2.00	0.00	0.00	0.01	0.00	13.90	2.00	0.00	0.00	0.01	0.00
13.91	2.00	0.00	0.00	0.01	0.00	13.92	2.00	0.00	0.00	0.01	0.00
13.93	2.00	0.00	0.00	0.01	0.00	13.94	2.00	0.00	0.00	0.01	0.00
13.95	2.00	0.00	0.00	0.01	0.00	13.96	2.00	0.00	0.00	0.01	0.00
13.97	2.00	0.00	0.00	0.01	0.00	13.98	2.00	0.00	0.00	0.01	0.00
13.99	2.00	0.00	0.00	0.01	0.00	14.00	2.00	0.00	0.00	0.01	0.00
14.01	2.00	0.00	0.00	0.01	0.00	14.02	2.00	0.00	0.00	0.01	0.00
14.03	2.00	0.00	0.00	0.01	0.00	14.04	2.00	0.00	0.00	0.01	0.00
14.05	2.00	0.00	0.00	0.01	0.00	14.06	2.00	0.00	0.00	0.01	0.00
14.07	2.00	0.00	0.00	0.01	0.00	14.08	2.00	0.00	0.00	0.01	0.00
14.09	2.00	0.00	0.00	0.01	0.00	14.10	2.00	0.00	0.00	0.01	0.00
14.11	2.00	0.00	0.00	0.01	0.00	14.12	2.00	0.00	0.00	0.01	0.00
14.13	2.00	0.00	0.00	0.01	0.00	14.14	2.00	0.00	0.00	0.01	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}
14.15	2.00	0.00	0.00	0.01	0.00	14.16	2.00	0.00	0.00	0.01	0.00
14.17	2.00	0.00	0.00	0.01	0.00	14.18	2.00	0.00	0.00	0.01	0.00
14.19	2.00	0.00	0.00	0.01	0.00	14.20	2.00	0.00	0.00	0.01	0.00
14.21	2.00	0.00	0.00	0.01	0.00	14.22	2.00	0.00	0.00	0.01	0.00
14.23	2.00	0.00	0.00	0.01	0.00	14.24	2.00	0.00	0.00	0.01	0.00
14.25	2.00	0.00	0.00	0.01	0.00	14.26	2.00	0.00	0.00	0.01	0.00
14.27	2.00	0.00	0.00	0.01	0.00	14.28	2.00	0.00	0.00	0.01	0.00
14.29	2.00	0.00	0.00	0.01	0.00	14.30	2.00	0.00	0.00	0.01	0.00
14.31	2.00	0.00	0.00	0.01	0.00	14.32	2.00	0.00	0.00	0.01	0.00
14.33	2.00	0.00	0.00	0.01	0.00	14.34	2.00	0.00	0.00	0.01	0.00
14.35	2.00	0.00	0.00	0.01	0.00	14.36	2.00	0.00	0.00	0.01	0.00
14.37	2.00	0.00	0.00	0.01	0.00	14.38	2.00	0.00	0.00	0.01	0.00
14.39	2.00	0.00	0.00	0.01	0.00	14.40	2.00	0.00	0.00	0.01	0.00
14.41	2.00	0.00	0.00	0.01	0.00	14.42	2.00	0.00	0.00	0.01	0.00
14.43	2.00	0.00	0.00	0.01	0.00	14.44	2.00	0.00	0.00	0.01	0.00
14.45	2.00	0.00	0.00	0.01	0.00	14.46	2.00	0.00	0.00	0.01	0.00
14.47	2.00	0.00	0.00	0.01	0.00	14.48	2.00	0.00	0.00	0.01	0.00
14.49	2.00	0.00	0.00	0.01	0.00	14.50	2.00	0.00	0.00	0.01	0.00
14.51	2.00	0.00	0.00	0.01	0.00	14.52	2.00	0.00	0.00	0.01	0.00
14.53	2.00	0.00	0.00	0.01	0.00	14.54	2.00	0.00	0.00	0.01	0.00
14.55	2.00	0.00	0.00	0.01	0.00	14.56	2.00	0.00	0.00	0.01	0.00
14.57	2.00	0.00	0.00	0.01	0.00	14.58	2.00	0.00	0.00	0.01	0.00
14.59	2.00	0.00	0.00	0.01	0.00	14.60	2.00	0.00	0.00	0.01	0.00
14.61	2.00	0.00	0.00	0.01	0.00	14.62	2.00	0.00	0.00	0.01	0.00
14.63	2.00	0.00	0.00	0.01	0.00	14.64	2.00	0.00	0.00	0.01	0.00
14.65	2.00	0.00	0.00	0.01	0.00	14.66	2.00	0.00	0.00	0.01	0.00
14.67	2.00	0.00	0.00	0.01	0.00	14.68	2.00	0.00	0.00	0.01	0.00
14.69	2.00	0.00	0.00	0.01	0.00	14.70	2.00	0.00	0.00	0.01	0.00
14.71	2.00	0.00	0.00	0.01	0.00	14.72	2.00	0.00	0.00	0.01	0.00
14.73	2.00	0.00	0.00	0.01	0.00	14.74	2.00	0.00	0.00	0.01	0.00
14.75	2.00	0.00	0.00	0.01	0.00	14.76	2.00	0.00	0.00	0.01	0.00
14.77	2.00	0.00	0.00	0.01	0.00	14.78	2.00	0.00	0.00	0.01	0.00
14.79	2.00	0.00	0.00	0.01	0.00	14.80	2.00	0.00	0.00	0.01	0.00
14.81	2.00	0.00	0.00	0.01	0.00	14.82	2.00	0.00	0.00	0.01	0.00
14.83	2.00	0.00	0.00	0.01	0.00	14.84	2.00	0.00	0.00	0.01	0.00
14.85	2.00	0.00	0.00	0.01	0.00	14.86	2.00	0.00	0.00	0.01	0.00
14.87	2.00	0.00	0.00	0.01	0.00	14.88	2.00	0.00	0.00	0.01	0.00
14.89	2.00	0.00	0.00	0.01	0.00	14.90	2.00	0.00	0.00	0.01	0.00
14.91	2.00	0.00	0.00	0.01	0.00	14.92	2.00	0.00	0.00	0.01	0.00
14.93	2.00	0.00	0.00	0.01	0.00	14.94	2.00	0.00	0.00	0.01	0.00
14.95	2.00	0.00	0.00	0.01	0.00	14.96	2.00	0.00	0.00	0.01	0.00
14.97	2.00	0.00	0.00	0.01	0.00	14.98	2.00	0.00	0.00	0.01	0.00
14.99	2.00	0.00	0.00	0.01	0.00	15.00	2.00	0.00	0.00	0.01	0.00
15.01	2.00	0.00	0.00	0.01	0.00	15.02	2.00	0.00	0.00	0.01	0.00
15.03	2.00	0.00	0.00	0.01	0.00	15.04	2.00	0.00	0.00	0.01	0.00
15.05	2.00	0.00	0.00	0.01	0.00	15.06	2.00	0.00	0.00	0.01	0.00
15.07	2.00	0.00	0.00	0.01	0.00	15.08	2.00	0.00	0.00	0.01	0.00
15.09	2.00	0.00	0.00	0.01	0.00	15.10	2.00	0.00	0.00	0.01	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}
15.11	2.00	0.00	0.00	0.01	0.00	15.12	2.00	0.00	0.00	0.01	0.00
15.13	2.00	0.00	0.00	0.01	0.00	15.14	2.00	0.00	0.00	0.01	0.00
15.15	2.00	0.00	0.00	0.01	0.00	15.16	2.00	0.00	0.00	0.01	0.00
15.17	2.00	0.00	0.00	0.01	0.00	15.18	2.00	0.00	0.00	0.01	0.00
15.19	2.00	0.00	0.00	0.01	0.00	15.20	2.00	0.00	0.00	0.01	0.00
15.21	2.00	0.00	0.00	0.01	0.00	15.22	2.00	0.00	0.00	0.01	0.00
15.23	2.00	0.00	0.00	0.01	0.00	15.24	2.00	0.00	0.00	0.01	0.00
15.25	2.00	0.00	0.00	0.01	0.00	15.26	2.00	0.00	0.00	0.01	0.00
15.27	2.00	0.00	0.00	0.01	0.00	15.28	2.00	0.00	0.00	0.01	0.00
15.29	2.00	0.00	0.00	0.01	0.00	15.30	2.00	0.00	0.00	0.01	0.00
15.31	2.00	0.00	0.00	0.01	0.00	15.32	2.00	0.00	0.00	0.01	0.00
15.33	2.00	0.00	0.00	0.01	0.00	15.34	2.00	0.00	0.00	0.01	0.00
15.35	2.00	0.00	0.00	0.01	0.00	15.36	2.00	0.00	0.00	0.01	0.00
15.37	2.00	0.00	0.00	0.01	0.00	15.38	2.00	0.00	0.00	0.01	0.00
15.39	2.00	0.00	0.00	0.01	0.00	15.40	2.00	0.00	0.00	0.01	0.00
15.41	2.00	0.00	0.00	0.01	0.00	15.42	2.00	0.00	0.00	0.01	0.00
15.43	2.00	0.00	0.00	0.01	0.00	15.44	2.00	0.00	0.00	0.01	0.00
15.45	2.00	0.00	0.00	0.01	0.00	15.46	2.00	0.00	0.00	0.01	0.00
15.47	2.00	0.00	0.00	0.01	0.00	15.48	2.00	0.00	0.00	0.01	0.00
15.49	2.00	0.00	0.00	0.01	0.00	15.50	2.00	0.00	0.00	0.01	0.00
15.51	2.00	0.00	0.00	0.01	0.00	15.52	2.00	0.00	0.00	0.01	0.00
15.53	2.00	0.00	0.00	0.01	0.00	15.54	2.00	0.00	0.00	0.01	0.00
15.55	2.00	0.00	0.00	0.01	0.00	15.56	2.00	0.00	0.00	0.01	0.00
15.57	2.00	0.00	0.00	0.01	0.00	15.58	2.00	0.00	0.00	0.01	0.00
15.59	2.00	0.00	0.00	0.01	0.00	15.60	2.00	0.00	0.00	0.01	0.00
15.61	2.00	0.00	0.00	0.01	0.00	15.62	2.00	0.00	0.00	0.01	0.00
15.63	2.00	0.00	0.00	0.01	0.00	15.64	2.00	0.00	0.00	0.01	0.00
15.65	2.00	0.00	0.00	0.01	0.00	15.66	2.00	0.00	0.00	0.01	0.00
15.67	2.00	0.00	0.00	0.01	0.00	15.68	2.00	0.00	0.00	0.01	0.00
15.69	2.00	0.00	0.00	0.01	0.00	15.70	2.00	0.00	0.00	0.01	0.00
15.71	2.00	0.00	0.00	0.01	0.00	15.72	2.00	0.00	0.00	0.01	0.00
15.73	2.00	0.00	0.00	0.01	0.00	15.74	2.00	0.00	0.00	0.01	0.00
15.75	2.00	0.00	0.00	0.01	0.00	15.76	2.00	0.00	0.00	0.01	0.00
15.77	2.00	0.00	0.00	0.01	0.00	15.78	2.00	0.00	0.00	0.01	0.00
15.79	2.00	0.00	0.00	0.01	0.00	15.80	2.00	0.00	0.00	0.01	0.00
15.81	2.00	0.00	0.00	0.01	0.00	15.82	2.00	0.00	0.00	0.01	0.00
15.83	2.00	0.00	0.00	0.01	0.00	15.84	2.00	0.00	0.00	0.01	0.00
15.85	2.00	0.00	0.00	0.01	0.00	15.86	2.00	0.00	0.00	0.01	0.00
15.87	2.00	0.00	0.00	0.01	0.00	15.88	2.00	0.00	0.00	0.01	0.00
15.89	2.00	0.00	0.00	0.01	0.00	15.90	2.00	0.00	0.00	0.01	0.00
15.91	2.00	0.00	0.00	0.01	0.00	15.92	2.00	0.00	0.00	0.01	0.00
15.93	2.00	0.00	0.00	0.01	0.00	15.94	2.00	0.00	0.00	0.01	0.00
15.95	2.00	0.00	0.00	0.01	0.00	15.96	2.00	0.00	0.00	0.01	0.00
15.97	2.00	0.00	0.00	0.01	0.00	15.98	2.00	0.00	0.00	0.01	0.00
15.99	2.00	0.00	0.00	0.01	0.00	16.00	2.00	0.00	0.00	0.01	0.00
16.01	2.00	0.00	0.00	0.01	0.00	16.02	2.00	0.00	0.00	0.01	0.00
16.03	2.00	0.00	0.00	0.01	0.00	16.04	2.00	0.00	0.00	0.01	0.00
16.05	2.00	0.00	0.00	0.01	0.00	16.06	2.00	0.00	0.00	0.01	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}
16.07	2.00	0.00	0.00	0.01	0.00	16.08	2.00	0.00	0.00	0.01	0.00
16.09	2.00	0.00	0.00	0.01	0.00	16.10	2.00	0.00	0.00	0.01	0.00
16.11	2.00	0.00	0.00	0.01	0.00	16.12	2.00	0.00	0.00	0.01	0.00
16.13	2.00	0.00	0.00	0.01	0.00	16.14	2.00	0.00	0.00	0.01	0.00
16.15	2.00	0.00	0.00	0.01	0.00	16.16	2.00	0.00	0.00	0.01	0.00
16.17	2.00	0.00	0.00	0.01	0.00	16.18	2.00	0.00	0.00	0.01	0.00
16.19	2.00	0.00	0.00	0.01	0.00	16.20	2.00	0.00	0.00	0.01	0.00
16.21	2.00	0.00	0.00	0.01	0.00	16.22	2.00	0.00	0.00	0.01	0.00
16.23	2.00	0.00	0.00	0.01	0.00	16.24	2.00	0.00	0.00	0.01	0.00
16.25	2.00	0.00	0.00	0.01	0.00	16.26	2.00	0.00	0.00	0.01	0.00
16.27	2.00	0.00	0.00	0.01	0.00	16.28	2.00	0.00	0.00	0.01	0.00
16.29	2.00	0.00	0.00	0.01	0.00	16.30	2.00	0.00	0.00	0.01	0.00
16.31	2.00	0.00	0.00	0.01	0.00	16.32	2.00	0.00	0.00	0.01	0.00
16.33	2.00	0.00	0.00	0.01	0.00	16.34	2.00	0.00	0.00	0.01	0.00
16.35	2.00	0.00	0.00	0.01	0.00	16.36	2.00	0.00	0.00	0.01	0.00
16.37	2.00	0.00	0.00	0.01	0.00	16.38	2.00	0.00	0.00	0.01	0.00
16.39	2.00	0.00	0.00	0.01	0.00	16.40	2.00	0.00	0.00	0.01	0.00
16.41	2.00	0.00	0.00	0.01	0.00	16.42	2.00	0.00	0.00	0.01	0.00
16.43	2.00	0.00	0.00	0.01	0.00	16.44	2.00	0.00	0.00	0.01	0.00
16.45	2.00	0.00	0.00	0.01	0.00	16.46	2.00	0.00	0.00	0.01	0.00
16.47	2.00	0.00	0.00	0.01	0.00	16.48	2.00	0.00	0.00	0.01	0.00
16.49	2.00	0.00	0.00	0.01	0.00	16.50	2.00	0.00	0.00	0.01	0.00
16.51	2.00	0.00	0.00	0.01	0.00	16.52	2.00	0.00	0.00	0.01	0.00
16.53	2.00	0.00	0.00	0.01	0.00	16.54	2.00	0.00	0.00	0.01	0.00
16.55	2.00	0.00	0.00	0.01	0.00	16.56	2.00	0.00	0.00	0.01	0.00
16.57	2.00	0.00	0.00	0.01	0.00	16.58	2.00	0.00	0.00	0.01	0.00
16.59	2.00	0.00	0.00	0.01	0.00	16.60	2.00	0.00	0.00	0.01	0.00
16.61	2.00	0.00	0.00	0.01	0.00	16.62	2.00	0.00	0.00	0.01	0.00
16.63	2.00	0.00	0.00	0.01	0.00	16.64	2.00	0.00	0.00	0.01	0.00
16.65	2.00	0.00	0.00	0.01	0.00	16.66	2.00	0.00	0.00	0.01	0.00
16.67	2.00	0.00	0.00	0.01	0.00	16.68	2.00	0.00	0.00	0.01	0.00
16.69	2.00	0.00	0.00	0.01	0.00	16.70	2.00	0.00	0.00	0.01	0.00
16.71	2.00	0.00	0.00	0.01	0.00	16.72	2.00	0.00	0.00	0.01	0.00
16.73	2.00	0.00	0.00	0.01	0.00	16.74	2.00	0.00	0.00	0.01	0.00
16.75	2.00	0.00	0.00	0.01	0.00	16.76	2.00	0.00	0.00	0.01	0.00
16.77	2.00	0.00	0.00	0.01	0.00	16.78	2.00	0.00	0.00	0.01	0.00
16.79	2.00	0.00	0.00	0.01	0.00	16.80	2.00	0.00	0.00	0.01	0.00
16.81	2.00	0.00	0.00	0.01	0.00	16.82	2.00	0.00	0.00	0.01	0.00
16.83	2.00	0.00	0.00	0.01	0.00	16.84	2.00	0.00	0.00	0.01	0.00
16.85	2.00	0.00	0.00	0.01	0.00	16.86	2.00	0.00	0.00	0.01	0.00
16.87	2.00	0.00	0.00	0.01	0.00	16.88	2.00	0.00	0.00	0.01	0.00
16.89	2.00	0.00	0.00	0.01	0.00	16.90	2.00	0.00	0.00	0.01	0.00
16.91	2.00	0.00	0.00	0.01	0.00	16.92	2.00	0.00	0.00	0.01	0.00
16.93	2.00	0.00	0.00	0.01	0.00	16.94	2.00	0.00	0.00	0.01	0.00
16.95	2.00	0.00	0.00	0.01	0.00	16.96	2.00	0.00	0.00	0.01	0.00
16.97	2.00	0.00	0.00	0.01	0.00	16.98	2.00	0.00	0.00	0.01	0.00
16.99	2.00	0.00	0.00	0.01	0.00	17.00	2.00	0.00	0.00	0.01	0.00
17.01	2.00	0.00	0.00	0.01	0.00	17.02	2.00	0.00	0.00	0.01	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}
17.03	2.00	0.00	0.00	0.01	0.00	17.04	2.00	0.00	0.00	0.01	0.00
17.05	2.00	0.00	0.00	0.01	0.00	17.06	2.00	0.00	0.00	0.01	0.00
17.07	2.00	0.00	0.00	0.01	0.00	17.08	2.00	0.00	0.00	0.01	0.00
17.09	2.00	0.00	0.00	0.01	0.00	17.10	2.00	0.00	0.00	0.01	0.00
17.11	2.00	0.00	0.00	0.01	0.00	17.12	2.00	0.00	0.00	0.01	0.00
17.13	2.00	0.00	0.00	0.01	0.00	17.14	2.00	0.00	0.00	0.01	0.00
17.15	2.00	0.00	0.00	0.01	0.00	17.16	2.00	0.00	0.00	0.01	0.00
17.17	2.00	0.00	0.00	0.01	0.00	17.18	2.00	0.00	0.00	0.01	0.00
17.19	2.00	0.00	0.00	0.01	0.00	17.20	2.00	0.00	0.00	0.01	0.00
17.21	2.00	0.00	0.00	0.01	0.00	17.22	2.00	0.00	0.00	0.01	0.00
17.23	2.00	0.00	0.00	0.01	0.00	17.24	2.00	0.00	0.00	0.01	0.00
17.25	2.00	0.00	0.00	0.01	0.00	17.26	2.00	0.00	0.00	0.01	0.00
17.27	2.00	0.00	0.00	0.01	0.00	17.28	2.00	0.00	0.00	0.01	0.00
17.29	2.00	0.00	0.00	0.01	0.00	17.30	2.00	0.00	0.00	0.01	0.00
17.31	2.00	0.00	0.00	0.01	0.00	17.32	2.00	0.00	0.00	0.01	0.00
17.33	2.00	0.00	0.00	0.01	0.00	17.34	2.00	0.00	0.00	0.01	0.00
17.35	2.00	0.00	0.00	0.01	0.00	17.36	2.00	0.00	0.00	0.01	0.00
17.37	2.00	0.00	0.00	0.01	0.00	17.38	2.00	0.00	0.00	0.01	0.00
17.39	2.00	0.00	0.00	0.01	0.00	17.40	2.00	0.00	0.00	0.01	0.00
17.41	2.00	0.00	0.00	0.01	0.00	17.42	2.00	0.00	0.00	0.01	0.00
17.43	2.00	0.00	0.00	0.01	0.00	17.44	2.00	0.00	0.00	0.01	0.00
17.45	2.00	0.00	0.00	0.01	0.00	17.46	2.00	0.00	0.00	0.01	0.00
17.47	2.00	0.00	0.00	0.01	0.00	17.48	2.00	0.00	0.00	0.01	0.00
17.49	2.00	0.00	0.00	0.01	0.00	17.50	2.00	0.00	0.00	0.01	0.00
17.51	2.00	0.00	0.00	0.01	0.00	17.52	2.00	0.00	0.00	0.01	0.00
17.53	2.00	0.00	0.00	0.01	0.00	17.54	2.00	0.00	0.00	0.01	0.00
17.55	2.00	0.00	0.00	0.01	0.00	17.56	2.00	0.00	0.00	0.01	0.00
17.57	2.00	0.00	0.00	0.01	0.00	17.58	2.00	0.00	0.00	0.01	0.00
17.59	2.00	0.00	0.00	0.01	0.00	17.60	2.00	0.00	0.00	0.01	0.00
17.61	2.00	0.00	0.00	0.01	0.00	17.62	2.00	0.00	0.00	0.01	0.00
17.63	2.00	0.00	0.00	0.01	0.00	17.64	2.00	0.00	0.00	0.01	0.00
17.65	2.00	0.00	0.00	0.01	0.00	17.66	2.00	0.00	0.00	0.01	0.00
17.67	2.00	0.00	0.00	0.01	0.00	17.68	2.00	0.00	0.00	0.01	0.00
17.69	2.00	0.00	0.00	0.01	0.00	17.70	2.00	0.00	0.00	0.01	0.00
17.71	2.00	0.00	0.00	0.01	0.00	17.72	2.00	0.00	0.00	0.01	0.00
17.73	2.00	0.00	0.00	0.01	0.00	17.74	2.00	0.00	0.00	0.01	0.00
17.75	2.00	0.00	0.00	0.01	0.00	17.76	2.00	0.00	0.00	0.01	0.00
17.77	2.00	0.00	0.00	0.01	0.00	17.78	2.00	0.00	0.00	0.01	0.00
17.79	2.00	0.00	0.00	0.01	0.00	17.80	2.00	0.00	0.00	0.01	0.00
17.81	2.00	0.00	0.00	0.01	0.00	17.82	2.00	0.00	0.00	0.01	0.00
17.83	2.00	0.00	0.00	0.01	0.00	17.84	2.00	0.00	0.00	0.01	0.00
17.85	2.00	0.00	0.00	0.01	0.00	17.86	2.00	0.00	0.00	0.01	0.00
17.87	2.00	0.00	0.00	0.01	0.00	17.88	2.00	0.00	0.00	0.01	0.00
17.89	2.00	0.00	0.00	0.01	0.00	17.90	2.00	0.00	0.00	0.01	0.00
17.91	2.00	0.00	0.00	0.01	0.00	17.92	2.00	0.00	0.00	0.01	0.00
17.93	2.00	0.00	0.00	0.01	0.00	17.94	2.00	0.00	0.00	0.01	0.00
17.95	2.00	0.00	0.00	0.01	0.00	17.96	2.00	0.00	0.00	0.01	0.00
17.97	2.00	0.00	0.00	0.01	0.00	17.98	2.00	0.00	0.00	0.01	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}
17.99	2.00	0.00	0.00	0.01	0.00	18.00	2.00	0.00	0.00	0.01	0.00
18.01	2.00	0.00	0.00	0.01	0.00	18.02	2.00	0.00	0.00	0.01	0.00
18.03	2.00	0.00	0.00	0.01	0.00	18.04	2.00	0.00	0.00	0.01	0.00
18.05	2.00	0.00	0.00	0.01	0.00	18.06	2.00	0.00	0.00	0.01	0.00
18.07	2.00	0.00	0.00	0.01	0.00	18.08	2.00	0.00	0.00	0.01	0.00
18.09	2.00	0.00	0.00	0.01	0.00	18.10	2.00	0.00	0.00	0.01	0.00
18.11	2.00	0.00	0.00	0.01	0.00	18.12	2.00	0.00	0.00	0.01	0.00
18.13	2.00	0.00	0.00	0.01	0.00	18.14	2.00	0.00	0.00	0.01	0.00
18.15	2.00	0.00	0.00	0.01	0.00	18.16	2.00	0.00	0.00	0.01	0.00
18.17	2.00	0.00	0.00	0.01	0.00	18.18	2.00	0.00	0.00	0.01	0.00
18.19	2.00	0.00	0.00	0.01	0.00	18.20	2.00	0.00	0.00	0.01	0.00
18.21	2.00	0.00	0.00	0.01	0.00	18.22	2.00	0.00	0.00	0.01	0.00
18.23	2.00	0.00	0.00	0.01	0.00	18.24	2.00	0.00	0.00	0.01	0.00
18.25	2.00	0.00	0.00	0.01	0.00	18.26	2.00	0.00	0.00	0.01	0.00
18.27	2.00	0.00	0.00	0.01	0.00	18.28	2.00	0.00	0.00	0.01	0.00
18.29	2.00	0.00	0.00	0.01	0.00	18.30	2.00	0.00	0.00	0.01	0.00
18.31	2.00	0.00	0.00	0.01	0.00	18.32	2.00	0.00	0.00	0.01	0.00
18.33	2.00	0.00	0.00	0.01	0.00	18.34	2.00	0.00	0.00	0.01	0.00
18.35	2.00	0.00	0.00	0.01	0.00	18.36	2.00	0.00	0.00	0.01	0.00
18.37	2.00	0.00	0.00	0.01	0.00	18.38	2.00	0.00	0.00	0.01	0.00
18.39	2.00	0.00	0.00	0.01	0.00	18.40	2.00	0.00	0.00	0.01	0.00
18.41	2.00	0.00	0.00	0.01	0.00	18.42	2.00	0.00	0.00	0.01	0.00
18.43	2.00	0.00	0.00	0.01	0.00	18.44	2.00	0.00	0.00	0.01	0.00
18.45	2.00	0.00	0.00	0.01	0.00	18.46	2.00	0.00	0.00	0.01	0.00
18.47	2.00	0.00	0.00	0.01	0.00	18.48	2.00	0.00	0.00	0.01	0.00
18.49	2.00	0.00	0.00	0.01	0.00	18.50	2.00	0.00	0.00	0.01	0.00
18.51	2.00	0.00	0.00	0.01	0.00	18.52	2.00	0.00	0.00	0.01	0.00
18.53	2.00	0.00	0.00	0.01	0.00	18.54	2.00	0.00	0.00	0.01	0.00
18.55	2.00	0.00	0.00	0.01	0.00	18.56	2.00	0.00	0.00	0.01	0.00
18.57	2.00	0.00	0.00	0.01	0.00	18.58	2.00	0.00	0.00	0.01	0.00
18.59	2.00	0.00	0.00	0.01	0.00	18.60	2.00	0.00	0.00	0.01	0.00
18.61	2.00	0.00	0.00	0.01	0.00	18.62	2.00	0.00	0.00	0.01	0.00
18.63	2.00	0.00	0.00	0.01	0.00	18.64	2.00	0.00	0.00	0.01	0.00
18.65	2.00	0.00	0.00	0.01	0.00	18.66	2.00	0.00	0.00	0.01	0.00
18.67	2.00	0.00	0.00	0.01	0.00	18.68	2.00	0.00	0.00	0.01	0.00
18.69	2.00	0.00	0.00	0.01	0.00	18.70	2.00	0.00	0.00	0.01	0.00
18.71	2.00	0.00	0.00	0.01	0.00	18.72	2.00	0.00	0.00	0.01	0.00
18.73	2.00	0.00	0.00	0.01	0.00	18.74	2.00	0.00	0.00	0.01	0.00
18.75	2.00	0.00	0.00	0.01	0.00	18.76	2.00	0.00	0.00	0.01	0.00
18.77	2.00	0.00	0.00	0.01	0.00	18.78	2.00	0.00	0.00	0.01	0.00
18.79	2.00	0.00	0.00	0.01	0.00	18.80	2.00	0.00	0.00	0.01	0.00
18.81	2.00	0.00	0.00	0.01	0.00	18.82	2.00	0.00	0.00	0.01	0.00
18.83	2.00	0.00	0.00	0.01	0.00	18.84	2.00	0.00	0.00	0.01	0.00
18.85	2.00	0.00	0.00	0.01	0.00	18.86	2.00	0.00	0.00	0.01	0.00
18.87	2.00	0.00	0.00	0.01	0.00	18.88	2.00	0.00	0.00	0.01	0.00
18.89	2.00	0.00	0.00	0.01	0.00	18.90	2.00	0.00	0.00	0.01	0.00
18.91	2.00	0.00	0.00	0.01	0.00	18.92	2.00	0.00	0.00	0.01	0.00
18.93	2.00	0.00	0.00	0.01	0.00	18.94	2.00	0.00	0.00	0.01	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}
18.95	2.00	0.00	0.00	0.01	0.00	18.96	2.00	0.00	0.00	0.01	0.00
18.97	2.00	0.00	0.00	0.01	0.00	18.98	2.00	0.00	0.00	0.01	0.00
18.99	2.00	0.00	0.00	0.01	0.00	19.00	2.00	0.00	0.00	0.01	0.00
19.01	2.00	0.00	0.00	0.01	0.00	19.02	2.00	0.00	0.00	0.01	0.00
19.03	2.00	0.00	0.00	0.01	0.00	19.04	2.00	0.00	0.00	0.01	0.00
19.05	2.00	0.00	0.00	0.01	0.00	19.06	2.00	0.00	0.00	0.01	0.00
19.07	2.00	0.00	0.00	0.01	0.00	19.08	2.00	0.00	0.00	0.01	0.00
19.09	2.00	0.00	0.00	0.01	0.00	19.10	2.00	0.00	0.00	0.01	0.00
19.11	2.00	0.00	0.00	0.01	0.00	19.12	2.00	0.00	0.00	0.01	0.00
19.13	2.00	0.00	0.00	0.01	0.00	19.14	2.00	0.00	0.00	0.01	0.00
19.15	2.00	0.00	0.00	0.01	0.00	19.16	2.00	0.00	0.00	0.01	0.00
19.17	2.00	0.00	0.00	0.01	0.00	19.18	2.00	0.00	0.00	0.01	0.00
19.19	2.00	0.00	0.00	0.01	0.00	19.20	2.00	0.00	0.00	0.01	0.00
19.21	2.00	0.00	0.00	0.01	0.00	19.22	2.00	0.00	0.00	0.01	0.00
19.23	2.00	0.00	0.00	0.01	0.00	19.24	2.00	0.00	0.00	0.01	0.00
19.25	2.00	0.00	0.00	0.01	0.00	19.26	2.00	0.00	0.00	0.01	0.00
19.27	2.00	0.00	0.00	0.01	0.00	19.28	2.00	0.00	0.00	0.01	0.00
19.29	2.00	0.00	0.00	0.01	0.00	19.30	2.00	0.00	0.00	0.01	0.00
19.31	2.00	0.00	0.00	0.01	0.00	19.32	2.00	0.00	0.00	0.01	0.00
19.33	2.00	0.00	0.00	0.01	0.00	19.34	2.00	0.00	0.00	0.01	0.00
19.35	2.00	0.00	0.00	0.01	0.00	19.36	2.00	0.00	0.00	0.01	0.00
19.37	2.00	0.00	0.00	0.01	0.00	19.38	2.00	0.00	0.00	0.01	0.00
19.39	2.00	0.00	0.00	0.01	0.00	19.40	2.00	0.00	0.00	0.01	0.00
19.41	2.00	0.00	0.00	0.01	0.00	19.42	2.00	0.00	0.00	0.01	0.00
19.43	2.00	0.00	0.00	0.01	0.00	19.44	2.00	0.00	0.00	0.01	0.00
19.45	2.00	0.00	0.00	0.01	0.00	19.46	2.00	0.00	0.00	0.01	0.00
19.47	2.00	0.00	0.00	0.01	0.00	19.48	2.00	0.00	0.00	0.01	0.00
19.49	2.00	0.00	0.00	0.01	0.00	19.50	2.00	0.00	0.00	0.01	0.00
19.51	2.00	0.00	0.00	0.01	0.00	19.52	2.00	0.00	0.00	0.01	0.00
19.53	2.00	0.00	0.00	0.01	0.00	19.54	2.00	0.00	0.00	0.01	0.00
19.55	2.00	0.00	0.00	0.01	0.00	19.56	2.00	0.00	0.00	0.01	0.00
19.57	2.00	0.00	0.00	0.01	0.00	19.58	2.00	0.00	0.00	0.01	0.00
19.59	2.00	0.00	0.00	0.01	0.00	19.60	2.00	0.00	0.00	0.01	0.00
19.61	2.00	0.00	0.00	0.01	0.00	19.62	2.00	0.00	0.00	0.01	0.00
19.63	2.00	0.00	0.00	0.01	0.00	19.64	2.00	0.00	0.00	0.01	0.00
19.65	2.00	0.00	0.00	0.01	0.00	19.66	2.00	0.00	0.00	0.01	0.00
19.67	2.00	0.00	0.00	0.01	0.00	19.68	2.00	0.00	0.00	0.01	0.00
19.69	2.00	0.00	0.00	0.01	0.00	19.70	2.00	0.00	0.00	0.01	0.00
19.71	2.00	0.00	0.00	0.01	0.00	19.72	2.00	0.00	0.00	0.01	0.00
19.73	2.00	0.00	0.00	0.01	0.00	19.74	2.00	0.00	0.00	0.01	0.00
19.75	2.00	0.00	0.00	0.01	0.00	19.76	2.00	0.00	0.00	0.01	0.00
19.77	2.00	0.00	0.00	0.01	0.00	19.78	2.00	0.00	0.00	0.01	0.00
19.79	2.00	0.00	0.00	0.01	0.00	19.80	2.00	0.00	0.00	0.01	0.00
19.81	2.00	0.00	0.00	0.01	0.00	19.82	2.00	0.00	0.00	0.01	0.00
19.83	2.00	0.00	0.00	0.01	0.00	19.84	2.00	0.00	0.00	0.01	0.00
19.85	2.00	0.00	0.00	0.01	0.00	19.86	2.00	0.00	0.00	0.01	0.00
19.87	2.00	0.00	0.00	0.01	0.00	19.88	2.00	0.00	0.00	0.01	0.00
19.89	2.00	0.00	0.00	0.01	0.00	19.90	2.00	0.00	0.00	0.01	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}
19.91	2.00	0.00	0.00	0.01	0.00	19.92	2.00	0.00	0.00	0.01	0.00
19.93	2.00	0.00	0.00	0.01	0.00	19.94	2.00	0.00	0.00	0.01	0.00
19.95	2.00	0.00	0.00	0.01	0.00	19.96	2.00	0.00	0.00	0.01	0.00
19.97	2.00	0.00	0.00	0.01	0.00	19.98	2.00	0.00	0.00	0.01	0.00
19.99	2.00	0.00	0.00	0.01	0.00	20.00	2.00	0.00	0.00	0.01	0.00
20.01	2.00	0.00	0.00	0.01	0.00	20.02	2.00	0.00	0.00	0.01	0.00
20.03	2.00	0.00	0.00	0.01	0.00	20.04	2.00	0.00	0.00	0.01	0.00
20.05	2.00	0.00	0.00	0.01	0.00	20.06	2.00	0.00	0.00	0.01	0.00
20.07	2.00	0.00	0.00	0.01	0.00	20.08	2.00	0.00	0.00	0.01	0.00
20.09	2.00	0.00	0.00	0.01	0.00	20.10	2.00	0.00	0.00	0.01	0.00
20.11	2.00	0.00	0.00	0.01	0.00	20.12	2.00	0.00	0.00	0.01	0.00
20.13	2.00	0.00	0.00	0.01	0.00	20.14	2.00	0.00	0.00	0.01	0.00
20.15	2.00	0.00	0.00	0.01	0.00	20.16	2.00	0.00	0.00	0.01	0.00
20.17	2.00	0.00	0.00	0.01	0.00	20.18	2.00	0.00	0.00	0.01	0.00
20.19	2.00	0.00	0.00	0.01	0.00	20.20	2.00	0.00	0.00	0.01	0.00
20.21	2.00	0.00	0.00	0.01	0.00	20.22	2.00	0.00	0.00	0.01	0.00
20.23	2.00	0.00	0.00	0.01	0.00	20.24	2.00	0.00	0.00	0.01	0.00
20.25	2.00	0.00	0.00	0.01	0.00	20.26	2.00	0.00	0.00	0.01	0.00
20.27	2.00	0.00	0.00	0.01	0.00	20.28	2.00	0.00	0.00	0.01	0.00
20.29	2.00	0.00	0.00	0.01	0.00	20.30	2.00	0.00	0.00	0.01	0.00
20.31	2.00	0.00	0.00	0.01	0.00	20.32	2.00	0.00	0.00	0.01	0.00
20.33	2.00	0.00	0.00	0.01	0.00	20.34	2.00	0.00	0.00	0.01	0.00
20.35	2.00	0.00	0.00	0.01	0.00	20.36	2.00	0.00	0.00	0.01	0.00
20.37	2.00	0.00	0.00	0.01	0.00	20.38	2.00	0.00	0.00	0.01	0.00
20.39	2.00	0.00	0.00	0.01	0.00	20.40	2.00	0.00	0.00	0.01	0.00
20.41	2.00	0.00	0.00	0.01	0.00	20.42	2.00	0.00	0.00	0.01	0.00
20.43	2.00	0.00	0.00	0.01	0.00	20.44	2.00	0.00	0.00	0.01	0.00
20.45	2.00	0.00	0.00	0.01	0.00	20.46	2.00	0.00	0.00	0.01	0.00
20.47	2.00	0.00	0.00	0.01	0.00	20.48	2.00	0.00	0.00	0.01	0.00
20.49	2.00	0.00	0.00	0.01	0.00	20.50	2.00	0.00	0.00	0.01	0.00
20.51	2.00	0.00	0.00	0.01	0.00	20.52	2.00	0.00	0.00	0.01	0.00
20.53	2.00	0.00	0.00	0.01	0.00	20.54	2.00	0.00	0.00	0.01	0.00
20.55	2.00	0.00	0.00	0.01	0.00						

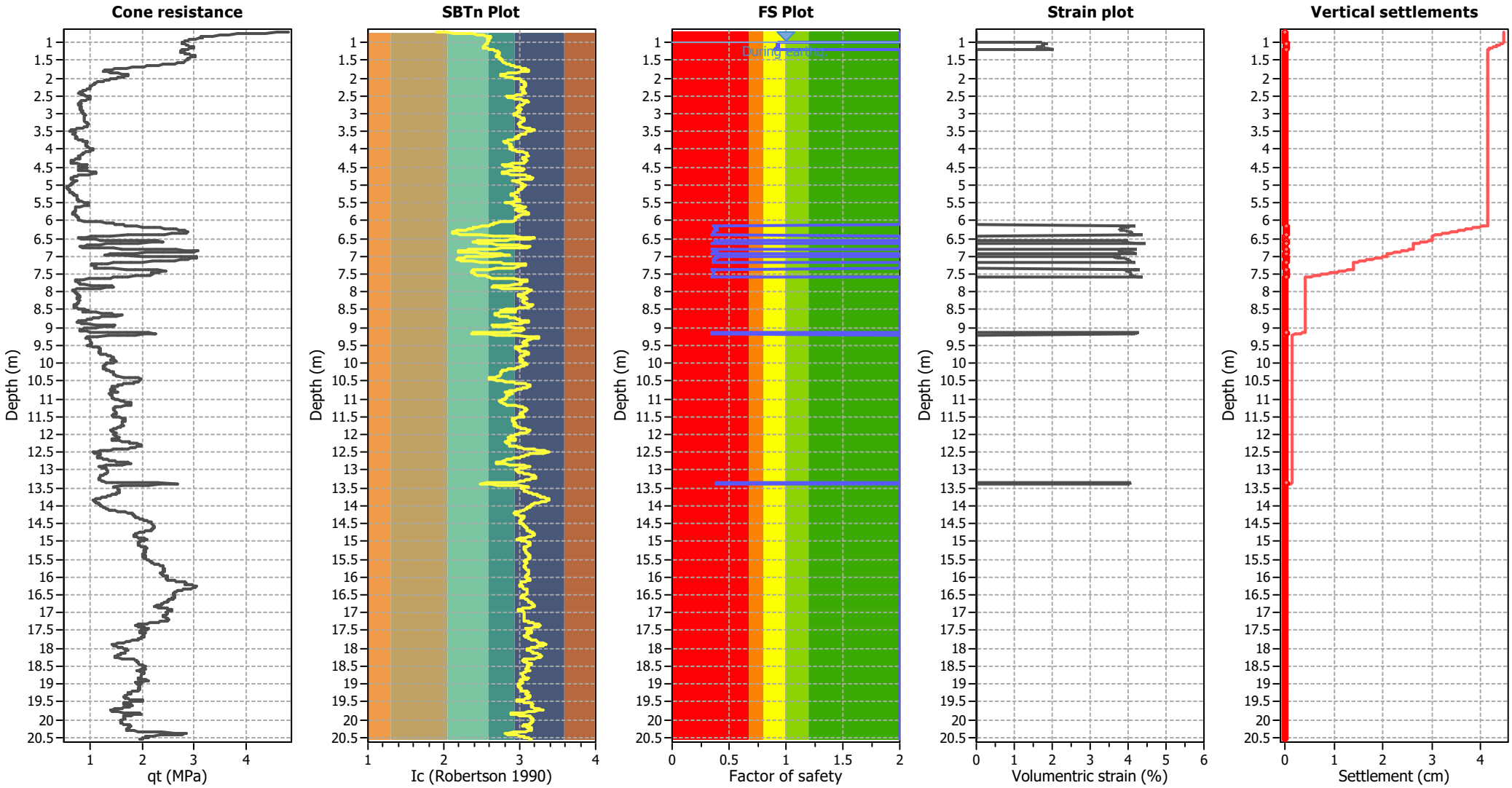
Overall liquefaction potential: 4.28

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

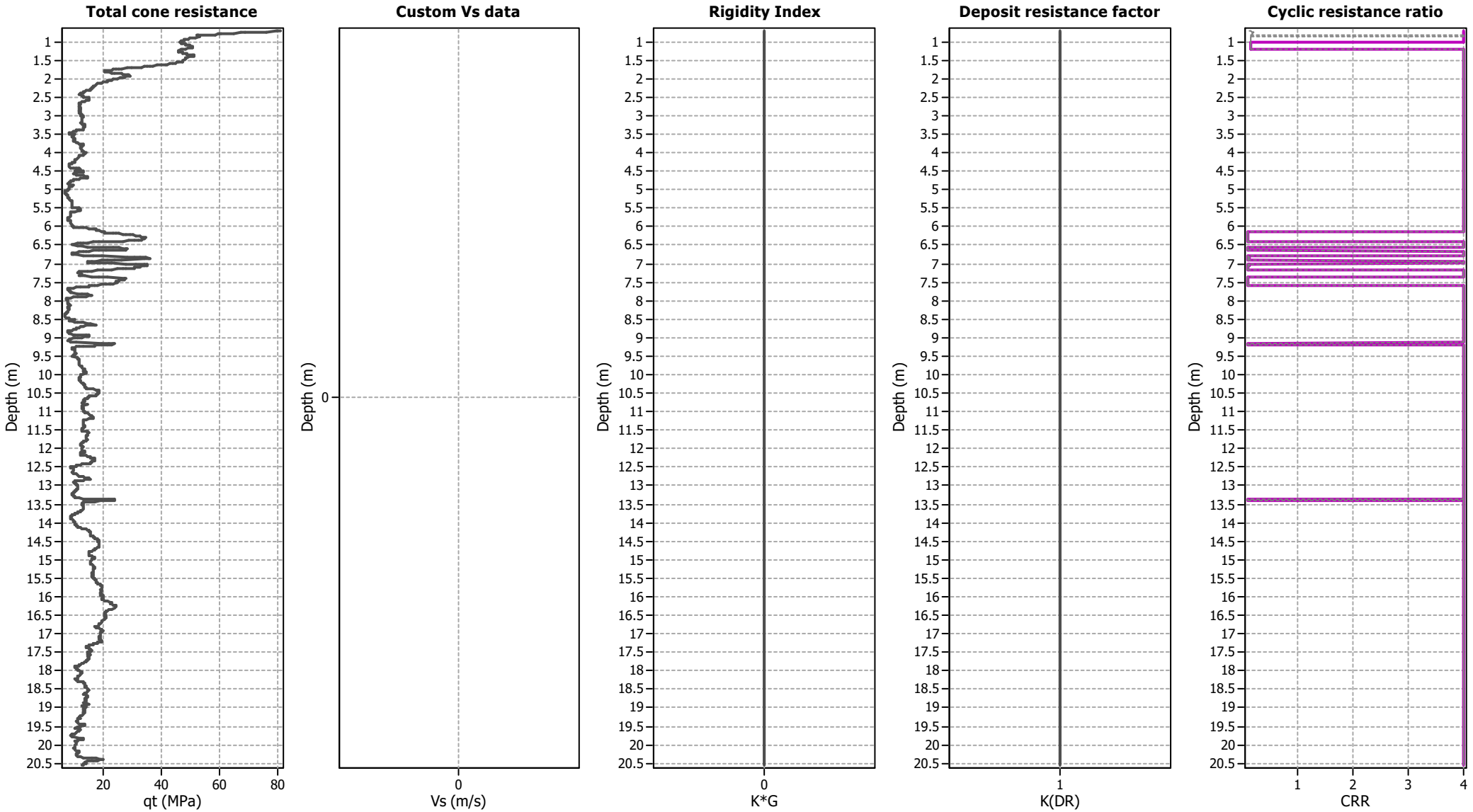
Estimation of post-earthquake settlements



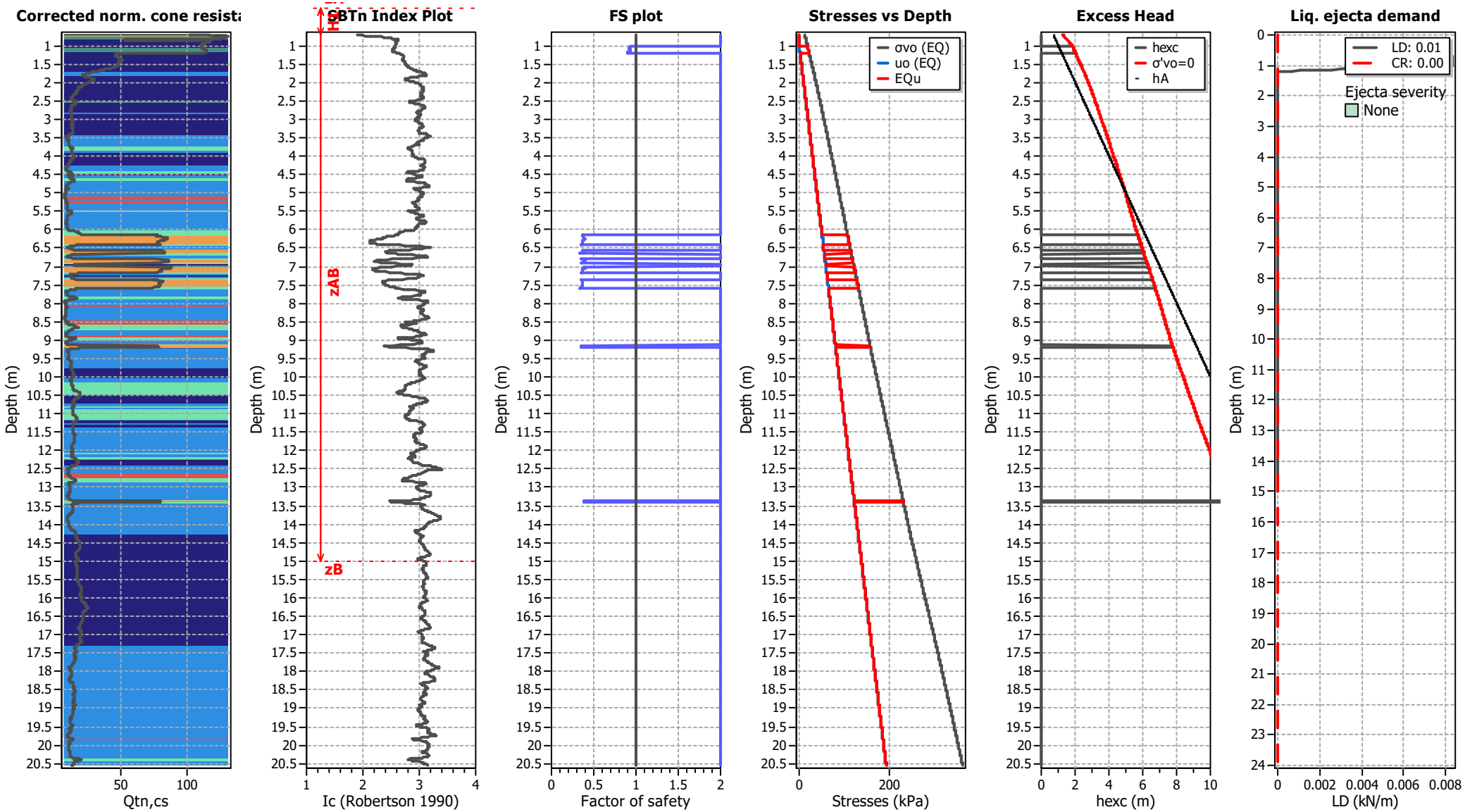
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



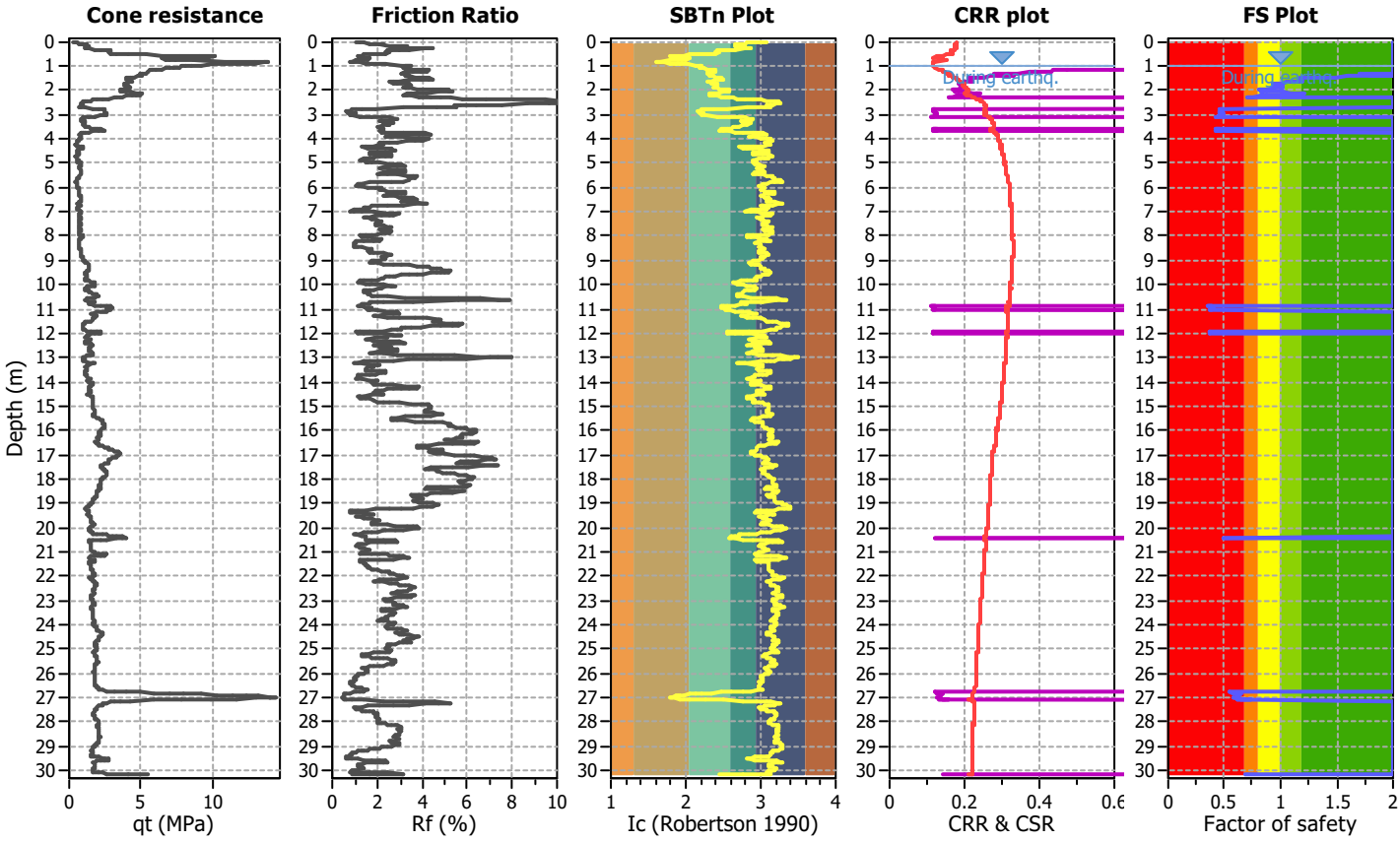
LIQUEFACTION ANALYSIS REPORT

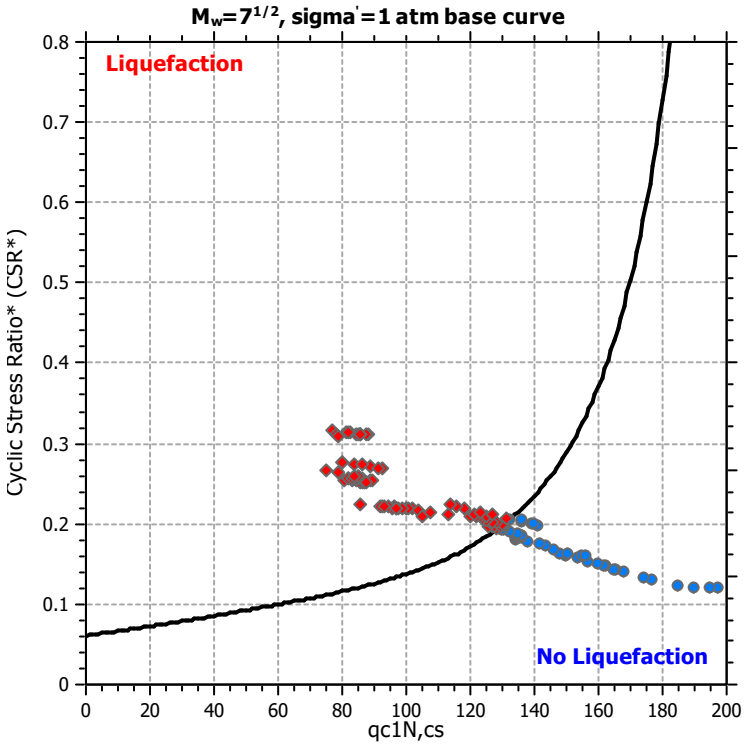
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,26**

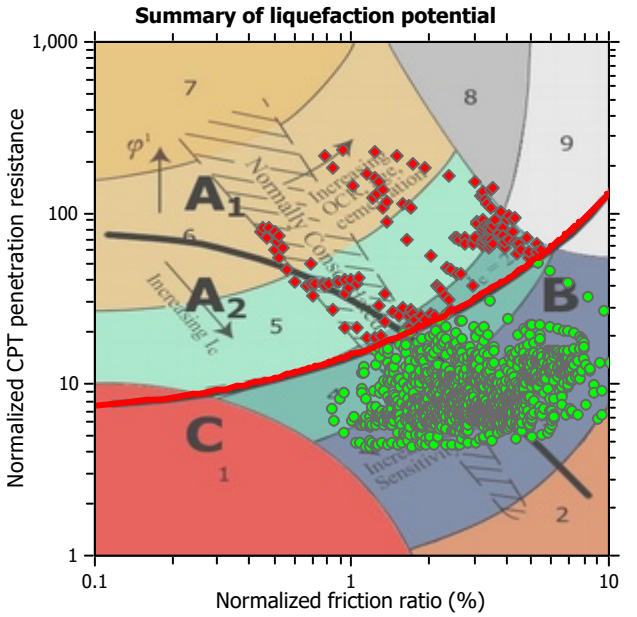
CPT file : 039017P68CPTU69

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

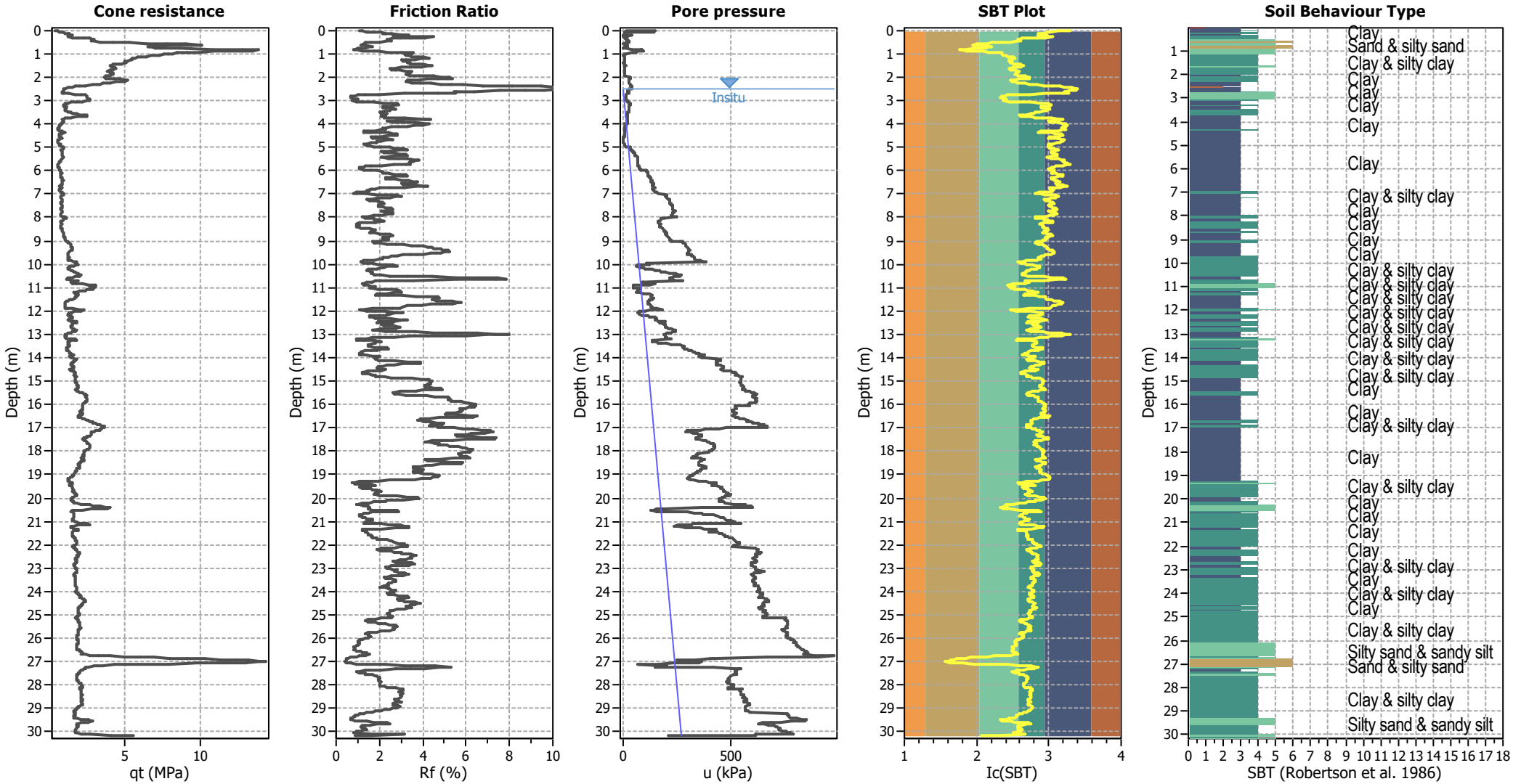






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



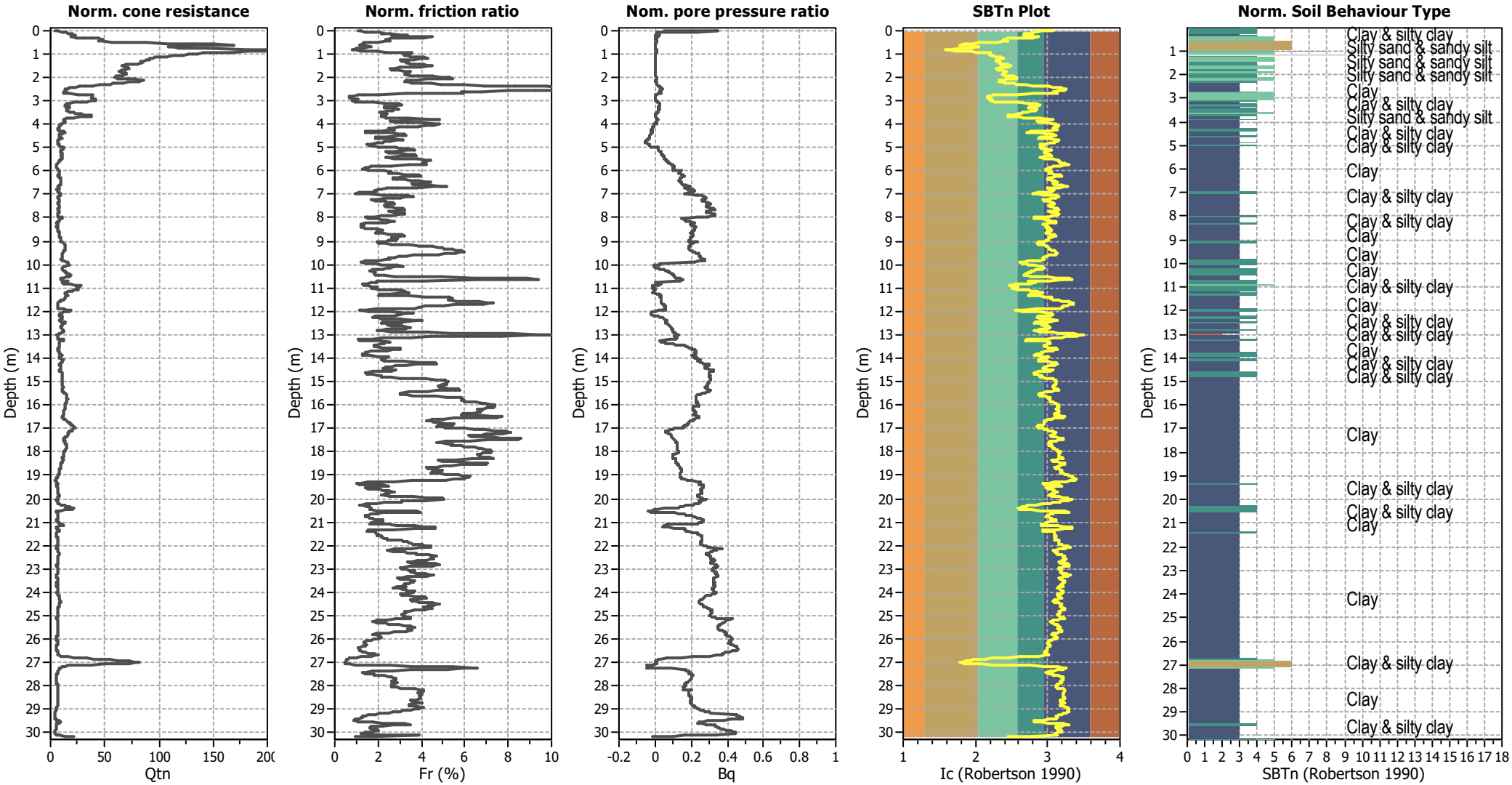
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



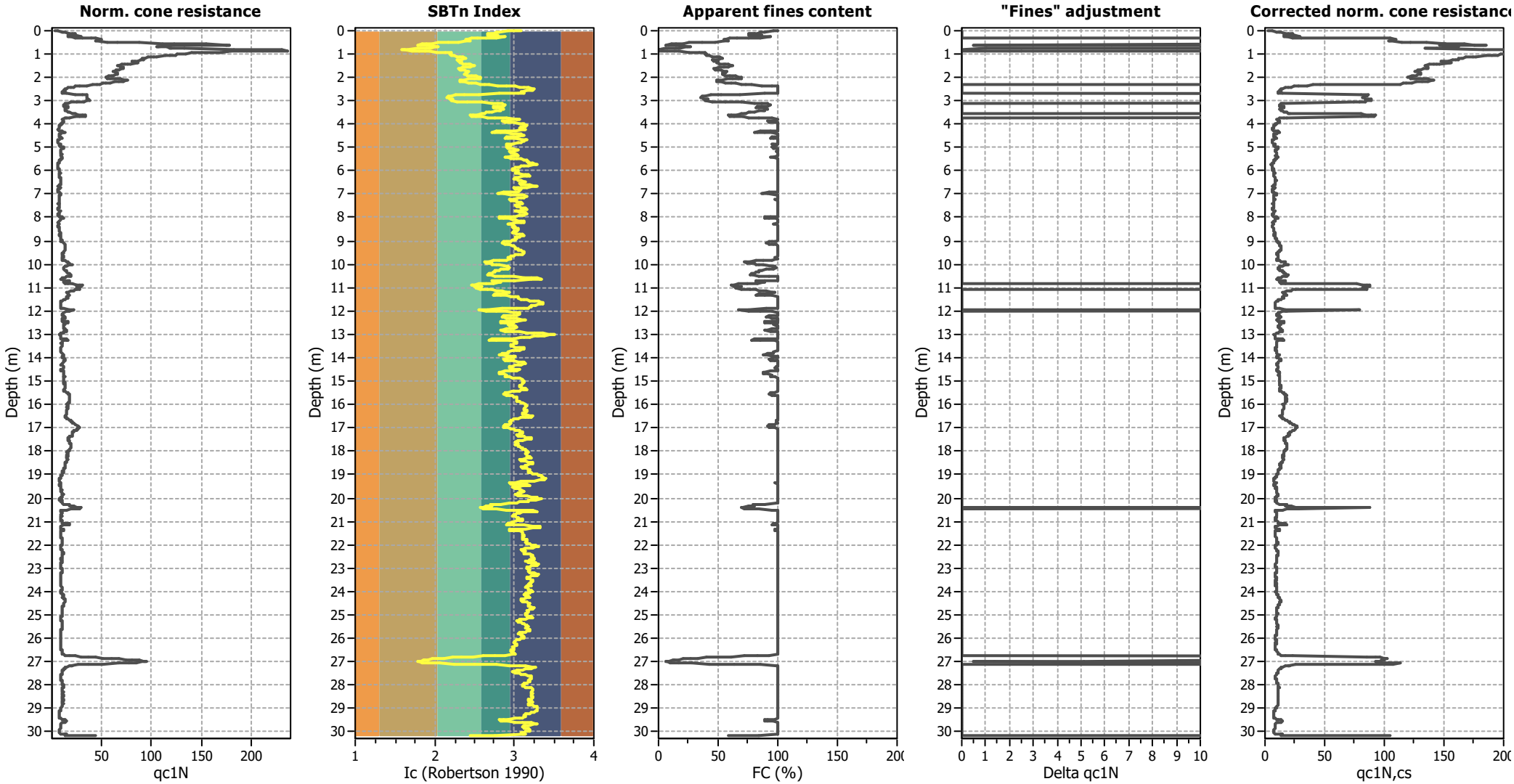
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

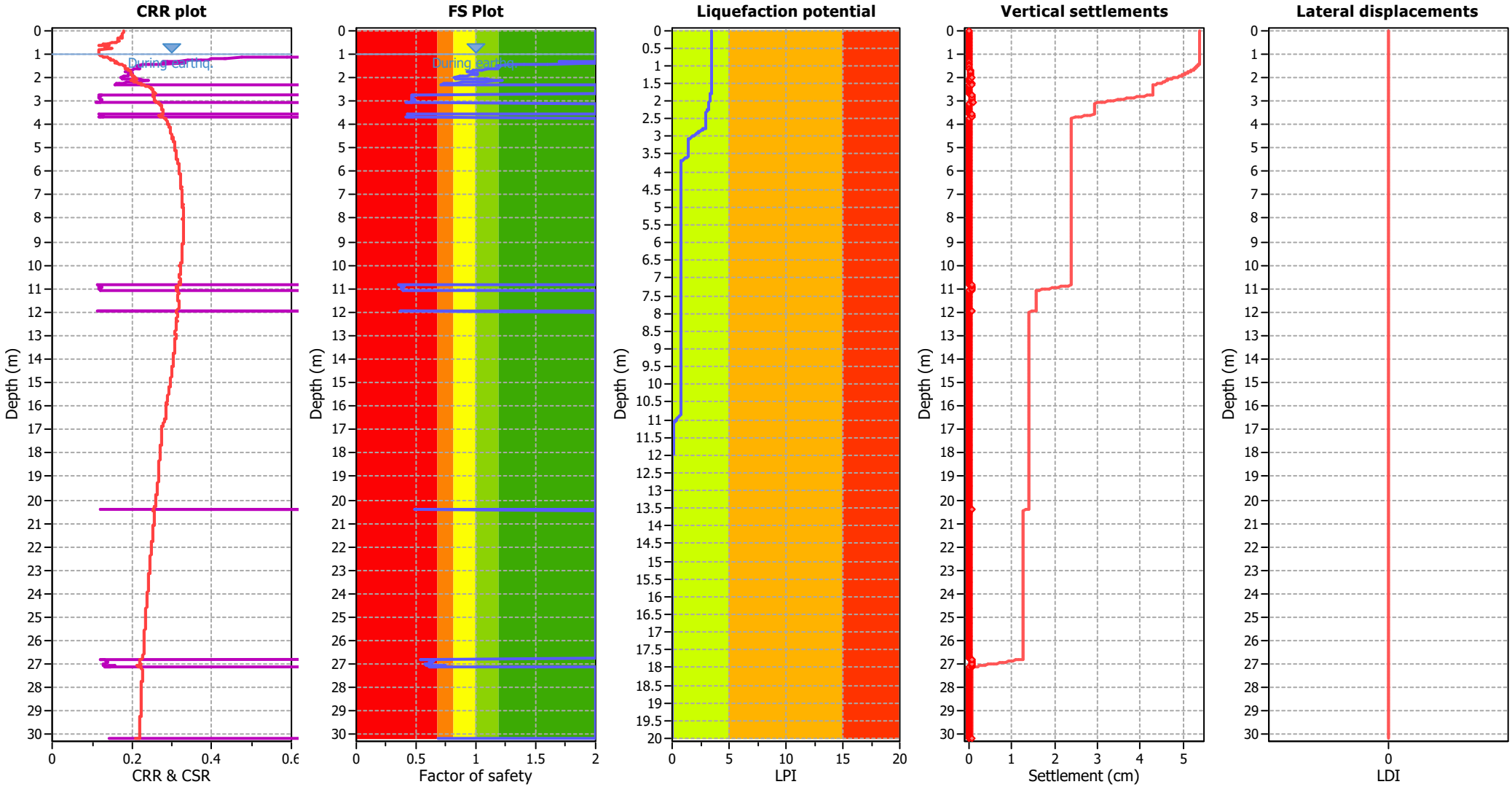
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

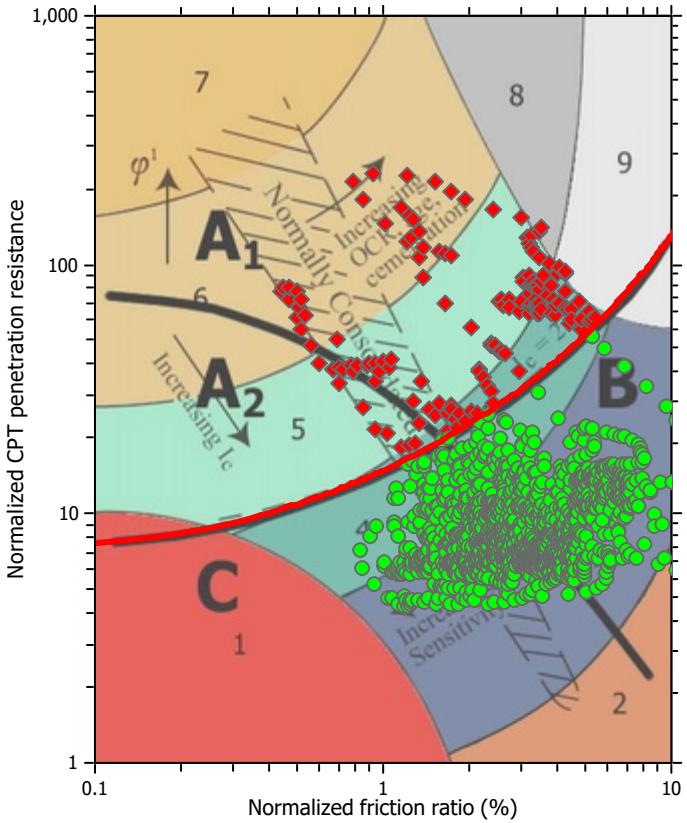
F.S. color scheme

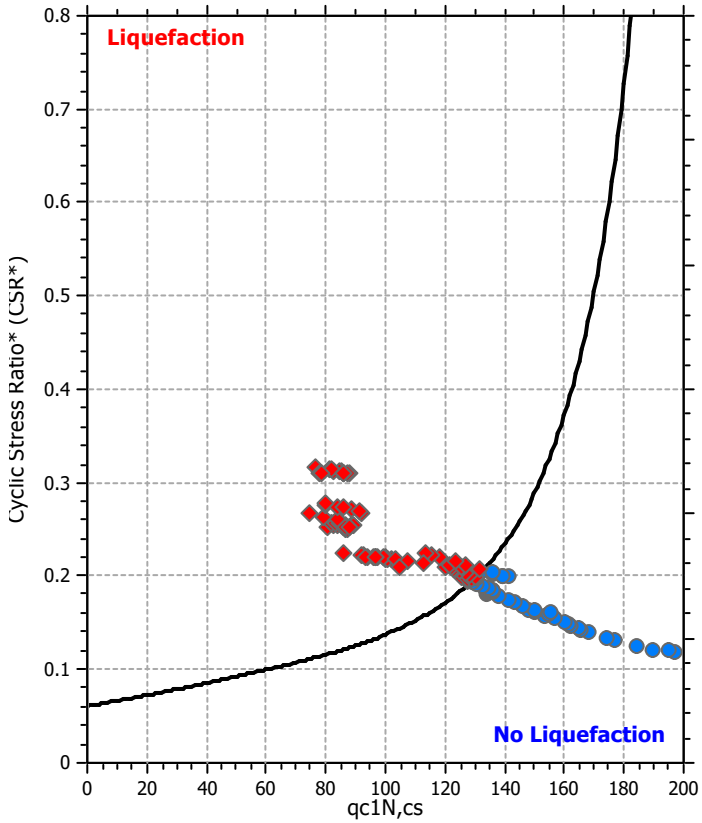
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

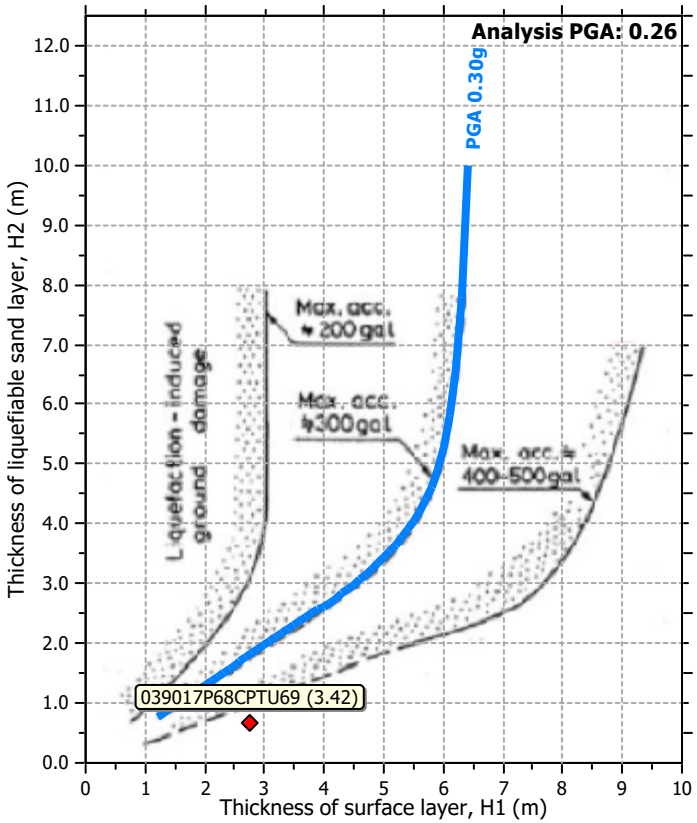
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



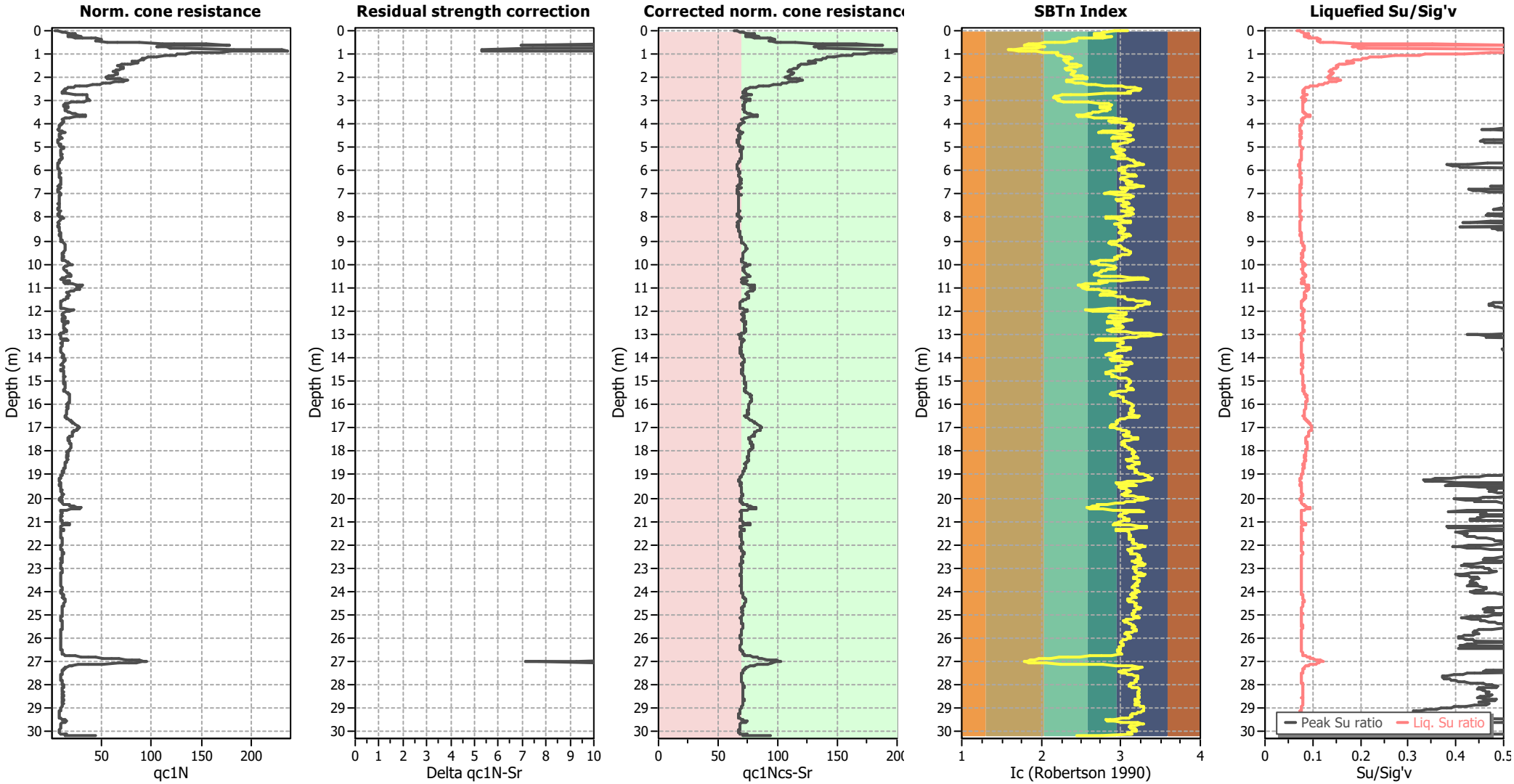




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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	1.81	0.00	0.00	0.02	0.00
1.34	1.70	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	1.79	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	1.59	0.00	0.00	0.02	0.00	1.44	1.48	0.00	0.00	0.02	0.00
1.46	1.40	0.00	0.00	0.02	0.00	1.48	1.28	0.00	0.00	0.02	0.00
1.50	1.18	0.00	0.00	0.02	0.00	1.52	1.17	0.00	0.00	0.02	0.00
1.54	1.18	0.00	0.00	0.02	0.00	1.56	1.19	0.00	0.00	0.02	0.00
1.58	1.20	0.00	0.00	0.02	0.00	1.60	1.20	0.00	0.00	0.02	0.00
1.62	1.19	0.00	0.00	0.02	0.00	1.64	1.16	0.00	0.00	0.02	0.00
1.66	1.10	0.00	0.00	0.02	0.00	1.68	1.05	0.00	0.00	0.02	0.00
1.70	1.02	0.00	0.00	0.02	0.00	1.72	0.98	0.00	0.00	0.02	0.00
1.74	0.96	0.00	0.00	0.02	0.01	1.76	0.93	0.00	0.00	0.02	0.01
1.78	0.96	0.00	0.00	0.02	0.01	1.80	0.99	0.00	0.00	0.02	0.00
1.82	1.01	0.00	0.00	0.02	0.00	1.84	1.02	0.00	0.00	0.02	0.00
1.86	1.01	0.00	0.00	0.02	0.00	1.88	0.99	0.00	0.00	0.02	0.00
1.90	0.95	0.00	0.00	0.02	0.01	1.92	0.93	0.00	0.00	0.02	0.01

:: 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	0.89	0.00	0.00	0.02	0.02	1.96	0.87	0.00	0.00	0.02	0.02
1.98	0.81	0.00	0.00	0.02	0.03	2.00	0.85	0.00	0.00	0.02	0.03
2.02	0.84	0.00	0.00	0.02	0.03	2.04	0.83	0.00	0.00	0.02	0.03
2.06	0.88	0.00	0.00	0.02	0.02	2.08	1.01	0.00	0.00	0.02	0.00
2.10	1.09	0.00	0.00	0.02	0.00	2.12	1.16	0.00	0.00	0.02	0.00
2.14	1.22	0.00	0.00	0.02	0.00	2.16	1.17	0.00	0.00	0.02	0.00
2.18	1.07	0.00	0.00	0.02	0.00	2.20	0.97	0.00	0.00	0.02	0.01
2.22	0.89	0.00	0.00	0.02	0.02	2.24	0.83	0.00	0.00	0.02	0.03
2.26	0.76	0.00	0.00	0.02	0.04	2.28	0.73	0.00	0.00	0.02	0.05
2.30	0.71	0.00	0.00	0.02	0.05	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	0.46	0.54	0.44	0.02	0.09	2.76	0.49	0.51	0.46	0.02	0.09
2.78	0.49	0.51	0.47	0.02	0.09	2.80	0.48	0.52	0.46	0.02	0.09
2.82	0.47	0.53	0.45	0.02	0.09	2.84	0.46	0.54	0.44	0.02	0.09
2.86	0.46	0.54	0.44	0.02	0.09	2.88	0.46	0.54	0.44	0.02	0.09
2.90	0.46	0.54	0.44	0.02	0.09	2.92	0.47	0.53	0.45	0.02	0.09
2.94	0.48	0.52	0.45	0.02	0.09	2.96	0.49	0.51	0.47	0.02	0.09
2.98	0.49	0.51	0.47	0.02	0.09	3.00	0.47	0.53	0.44	0.02	0.09
3.02	0.46	0.54	0.44	0.02	0.09	3.04	0.46	0.54	0.44	0.02	0.09
3.06	0.44	0.56	0.41	0.02	0.10	3.08	0.42	0.58	0.40	0.02	0.10
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	3.25	2.00	0.00	0.00	0.03	0.00
3.26	2.00	0.00	0.00	0.01	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	0.42	0.58	0.40	0.02	0.10	3.60	0.44	0.56	0.42	0.02	0.09
3.62	0.46	0.54	0.44	0.02	0.09	3.64	0.48	0.52	0.45	0.02	0.09
3.66	0.47	0.53	0.45	0.02	0.09	3.68	0.44	0.56	0.42	0.02	0.09
3.70	0.42	0.58	0.40	0.02	0.09	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	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	0.36	0.64	0.35	0.02	0.06	10.88	0.37	0.63	0.37	0.02	0.06
10.90	0.39	0.61	0.38	0.02	0.06	10.92	0.40	0.60	0.38	0.02	0.05
10.94	0.40	0.60	0.38	0.02	0.05	10.96	0.38	0.62	0.37	0.02	0.06
10.98	0.38	0.62	0.37	0.02	0.06	11.00	0.38	0.62	0.37	0.02	0.06
11.02	0.39	0.61	0.38	0.02	0.05	11.04	0.39	0.61	0.38	0.02	0.05
11.06	0.39	0.61	0.38	0.02	0.05	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	0.37	0.63	0.36	0.02	0.05
11.98	0.37	0.63	0.36	0.02	0.05	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
13.63	2.00	0.00	0.00	0.03	0.00	13.64	2.00	0.00	0.00	0.01	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	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	0.48	0.00	0.00	0.02	0.00
20.42	0.49	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	0.54	0.00	0.00	0.02	0.00	26.80	0.58	0.00	0.00	0.02	0.00
26.82	0.60	0.00	0.00	0.02	0.00	26.84	0.63	0.00	0.00	0.02	0.00
26.86	0.64	0.00	0.00	0.02	0.00	26.88	0.63	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	0.63	0.00	0.00	0.02	0.00	26.92	0.61	0.00	0.00	0.02	0.00
26.94	0.62	0.00	0.00	0.02	0.00	26.96	0.61	0.00	0.00	0.02	0.00
26.98	0.60	0.00	0.00	0.02	0.00	27.00	0.59	0.00	0.00	0.02	0.00
27.02	0.58	0.00	0.00	0.02	0.00	27.04	0.59	0.00	0.00	0.02	0.00
27.06	0.65	0.00	0.00	0.02	0.00	27.08	0.74	0.00	0.00	0.02	0.00
27.10	0.69	0.00	0.00	0.02	0.00	27.12	0.61	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	0.69	0.00	0.00	0.02	0.00

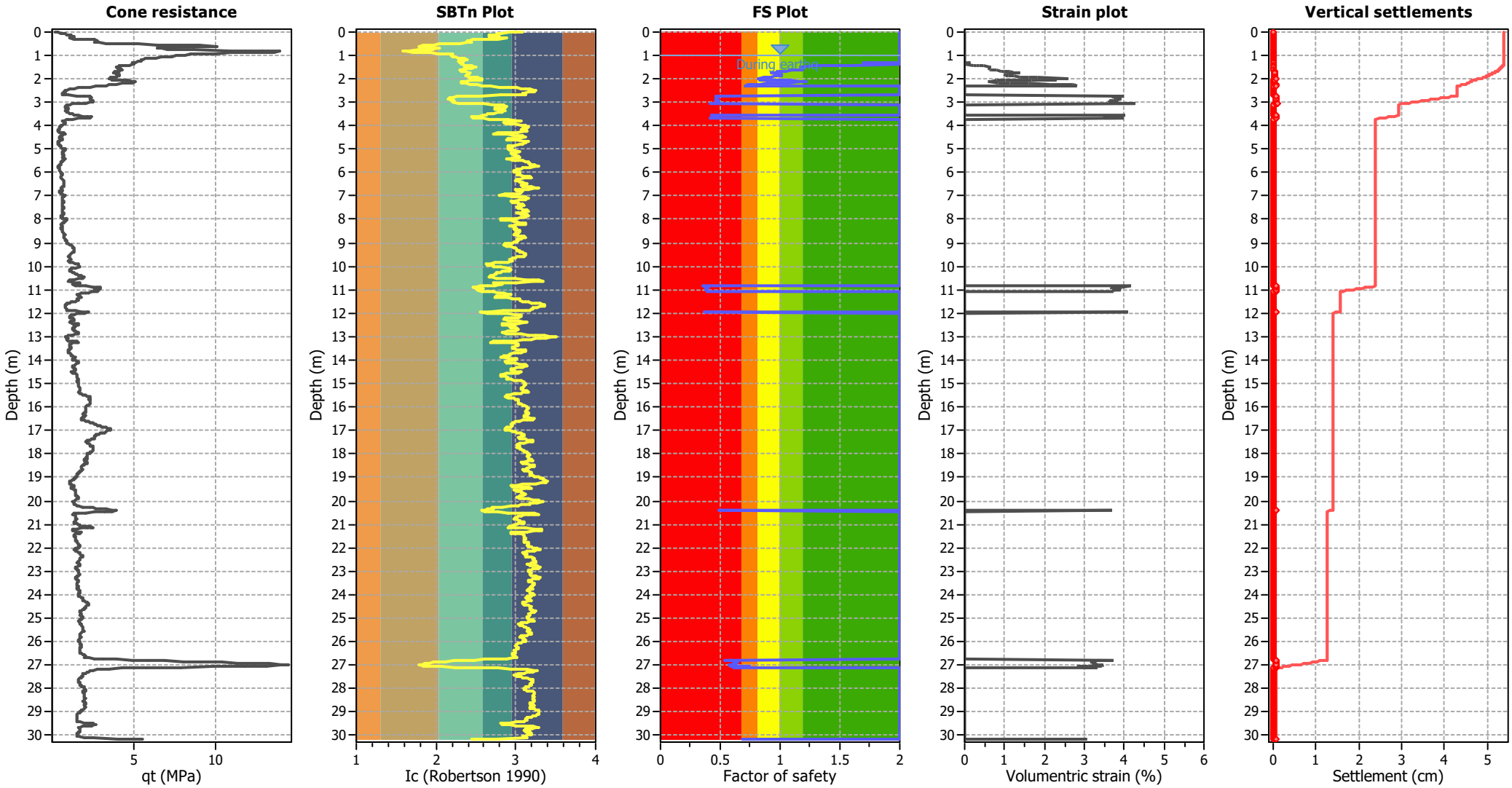
Overall liquefaction potential: 3.42

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

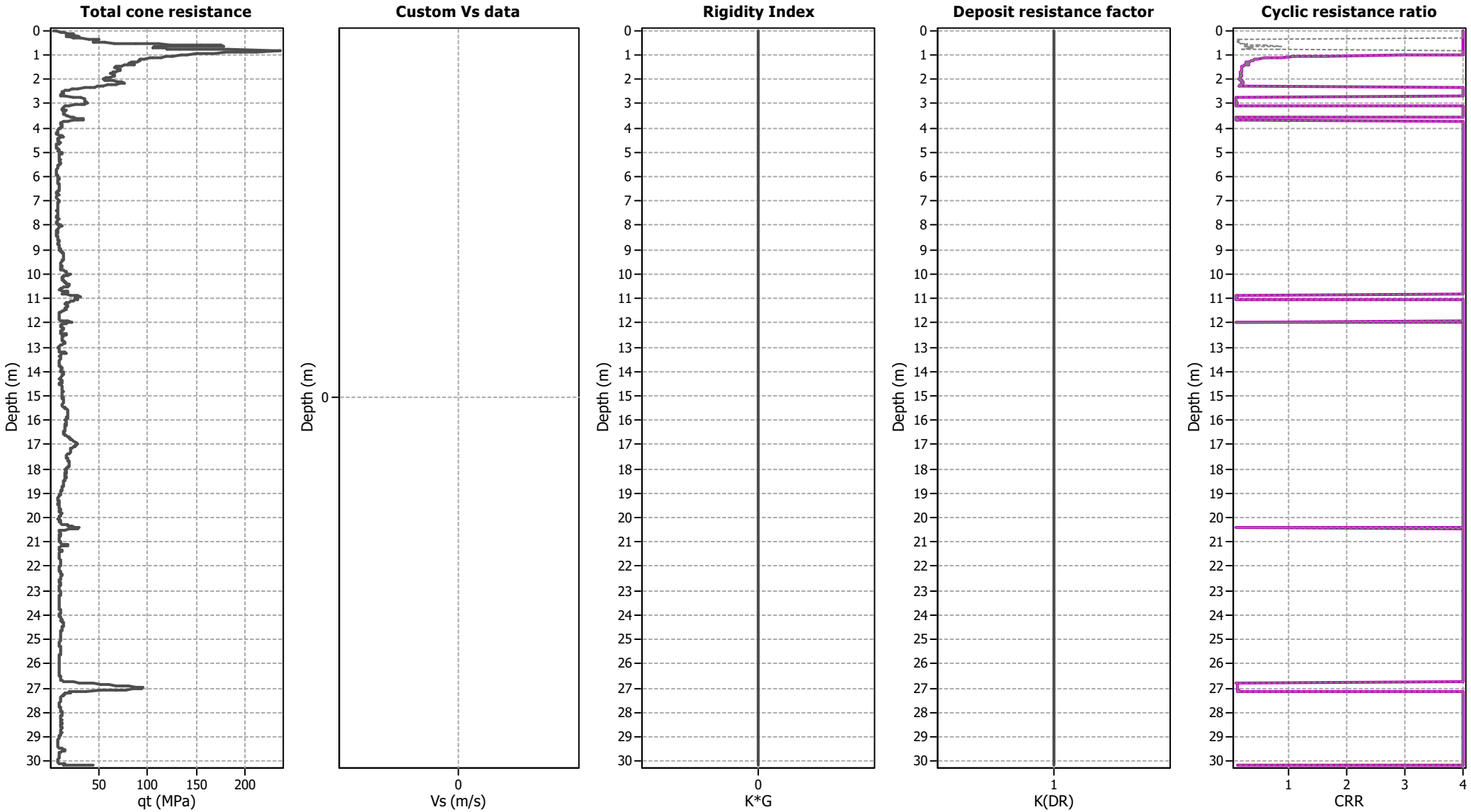
Estimation of post-earthquake settlements



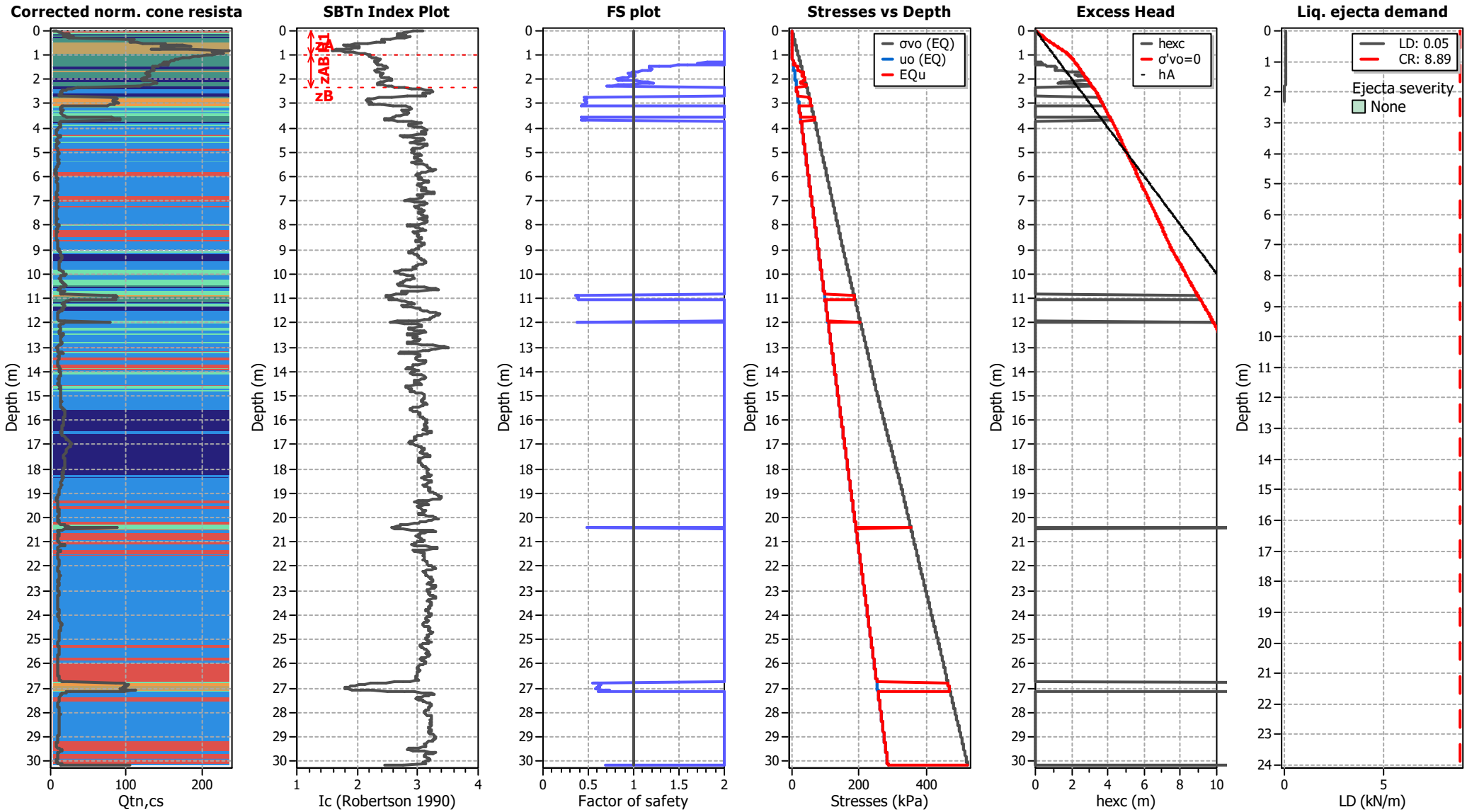
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



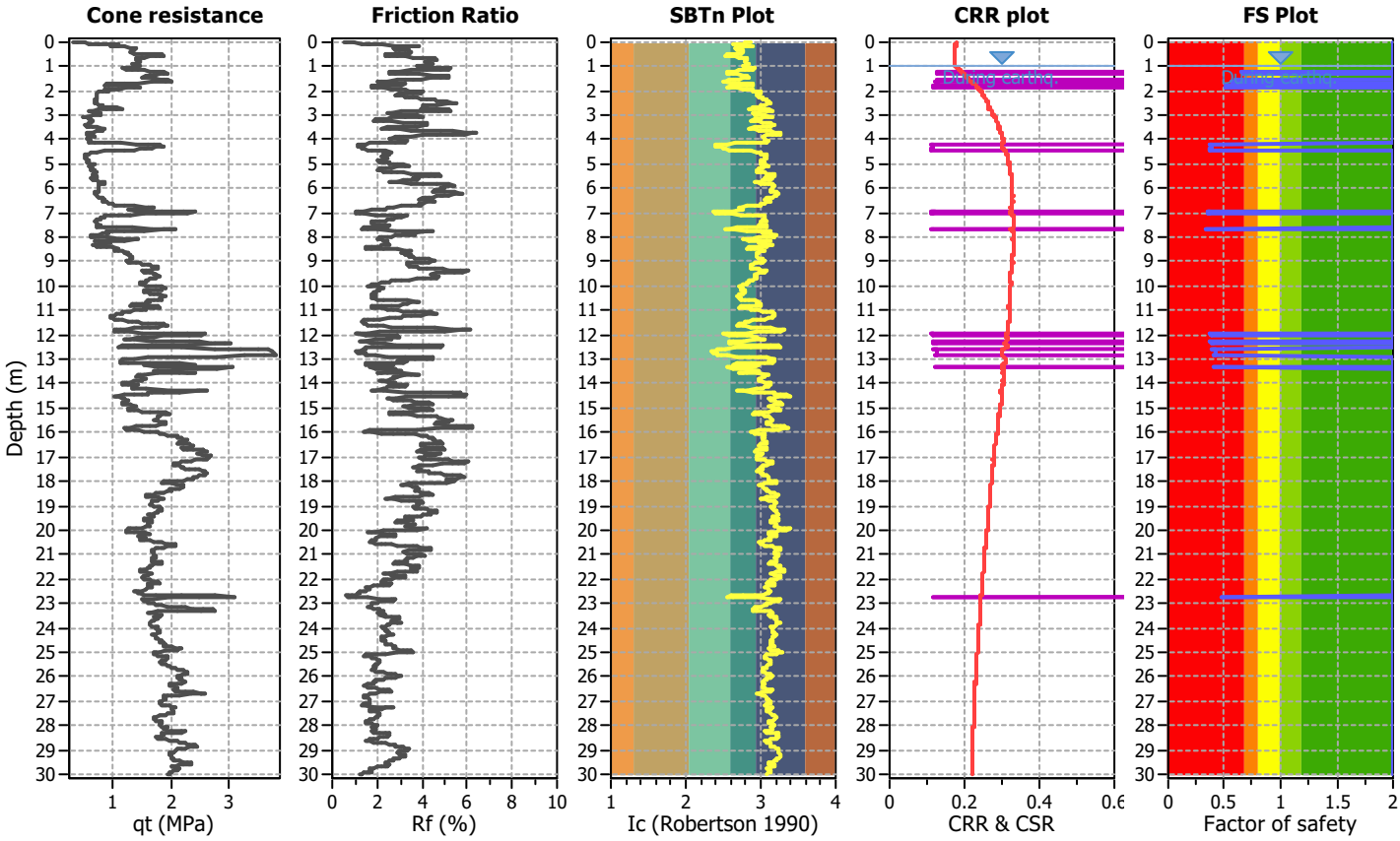
LIQUEFACTION ANALYSIS REPORT

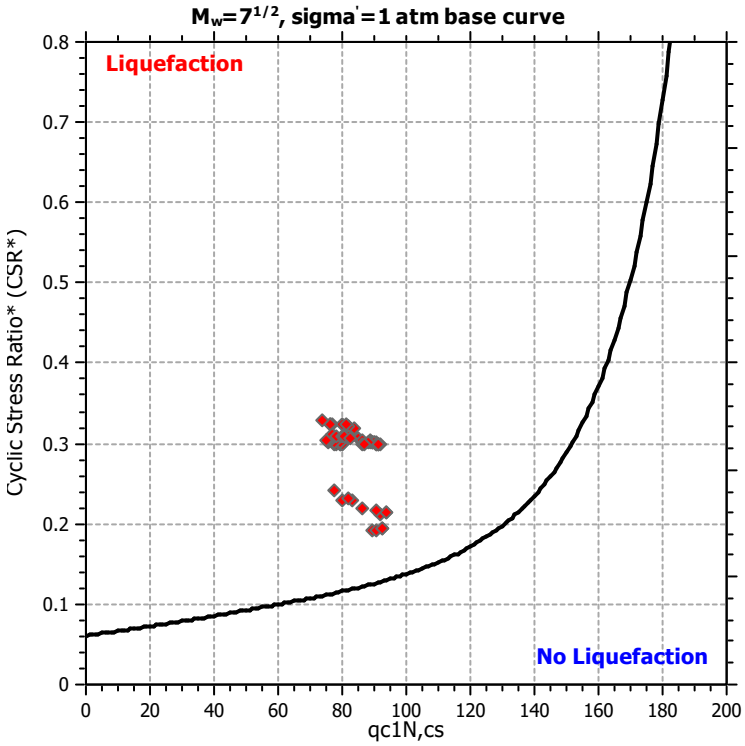
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,26**

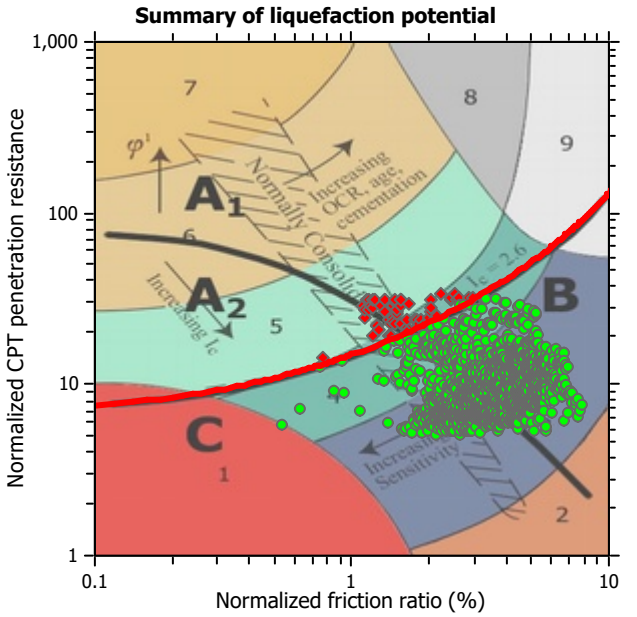
CPT file : 039017P80CPTU81

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

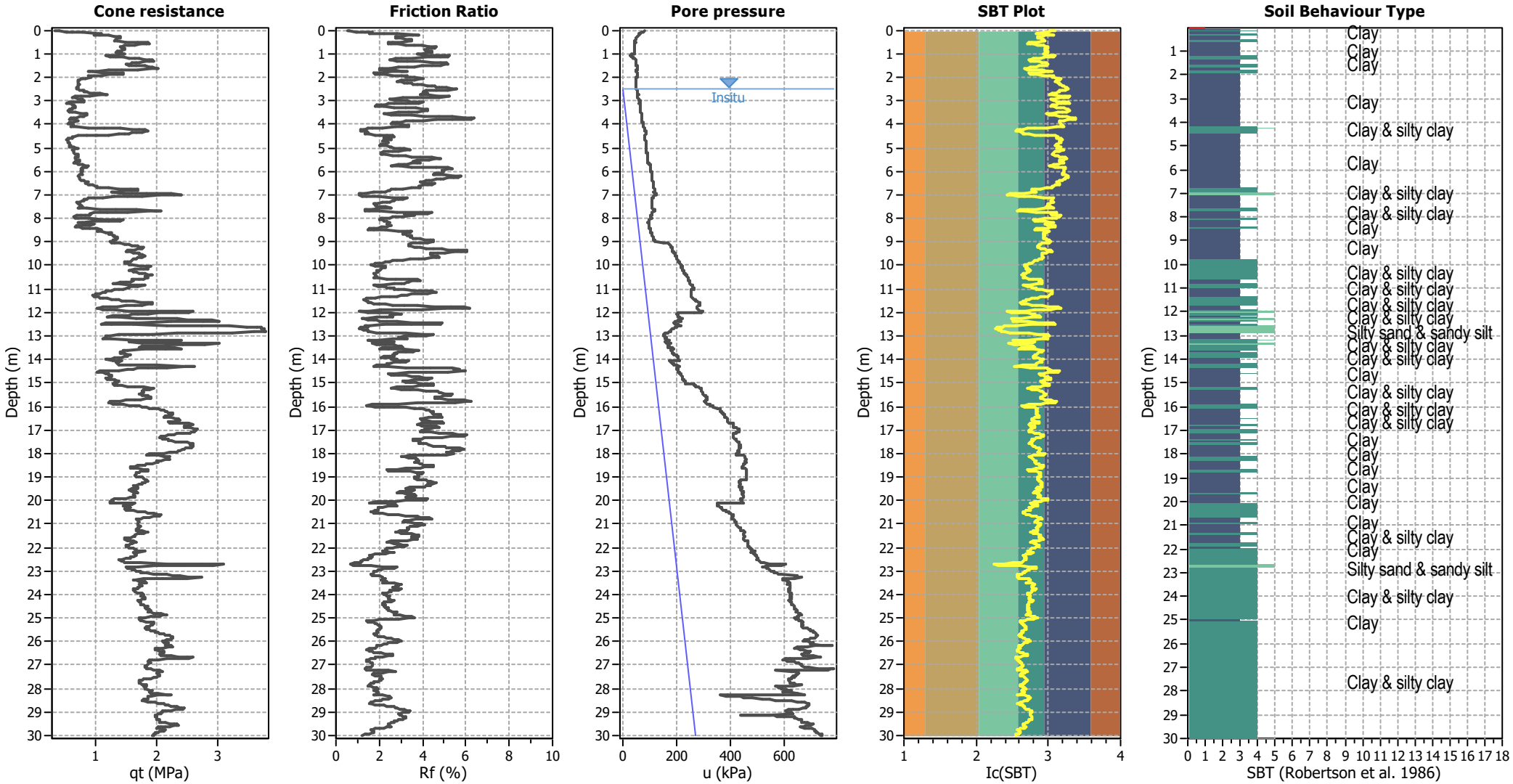






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



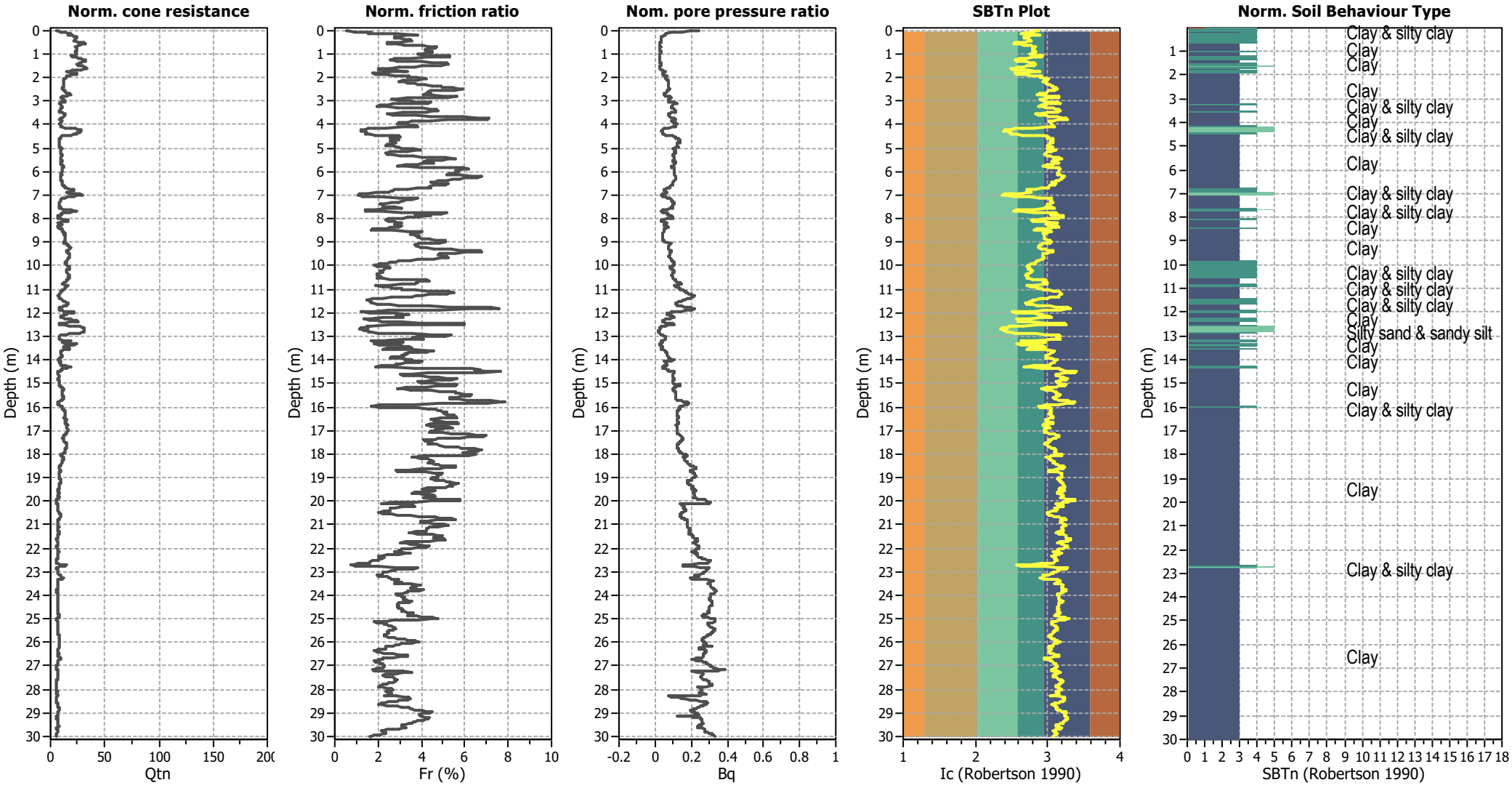
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



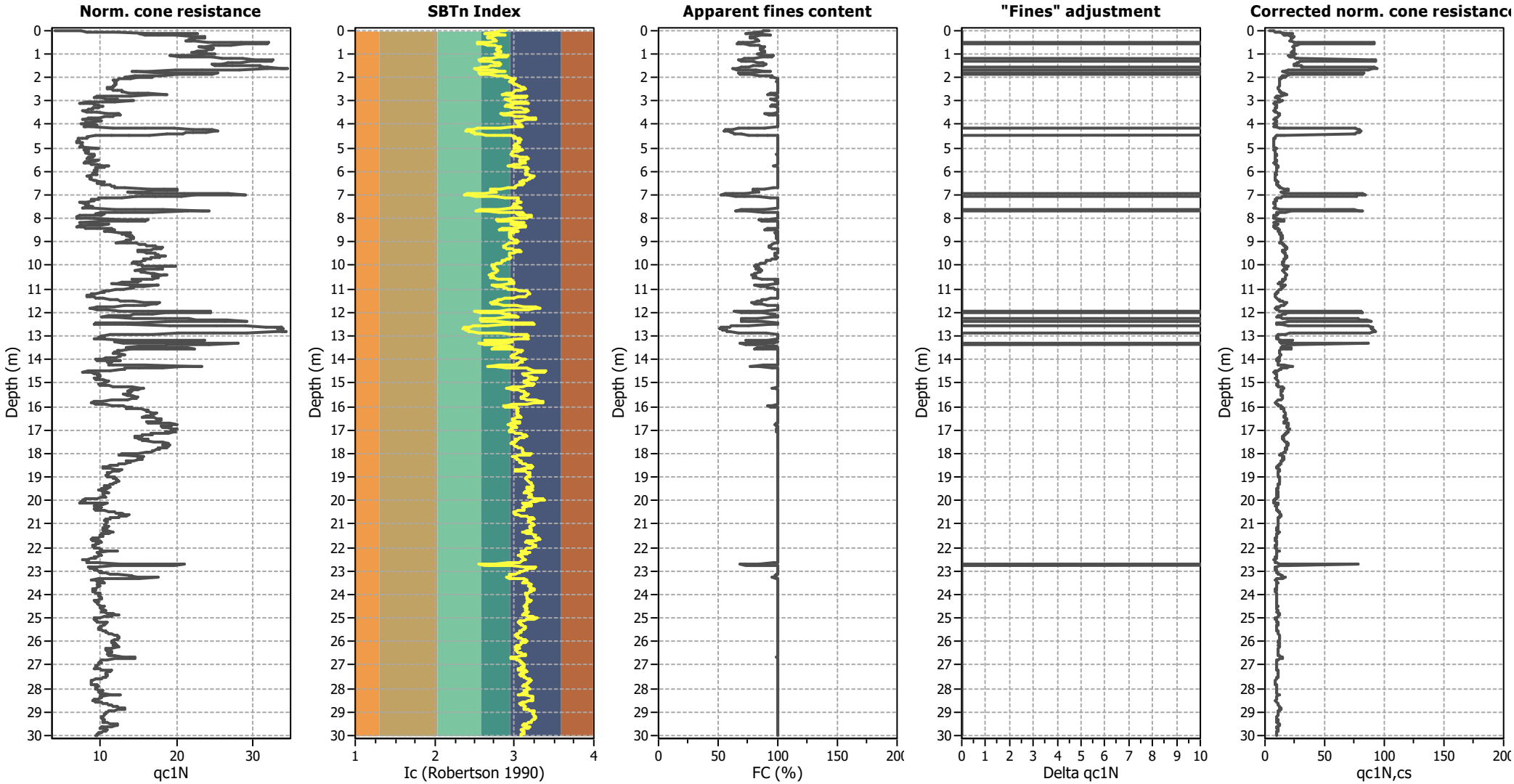
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

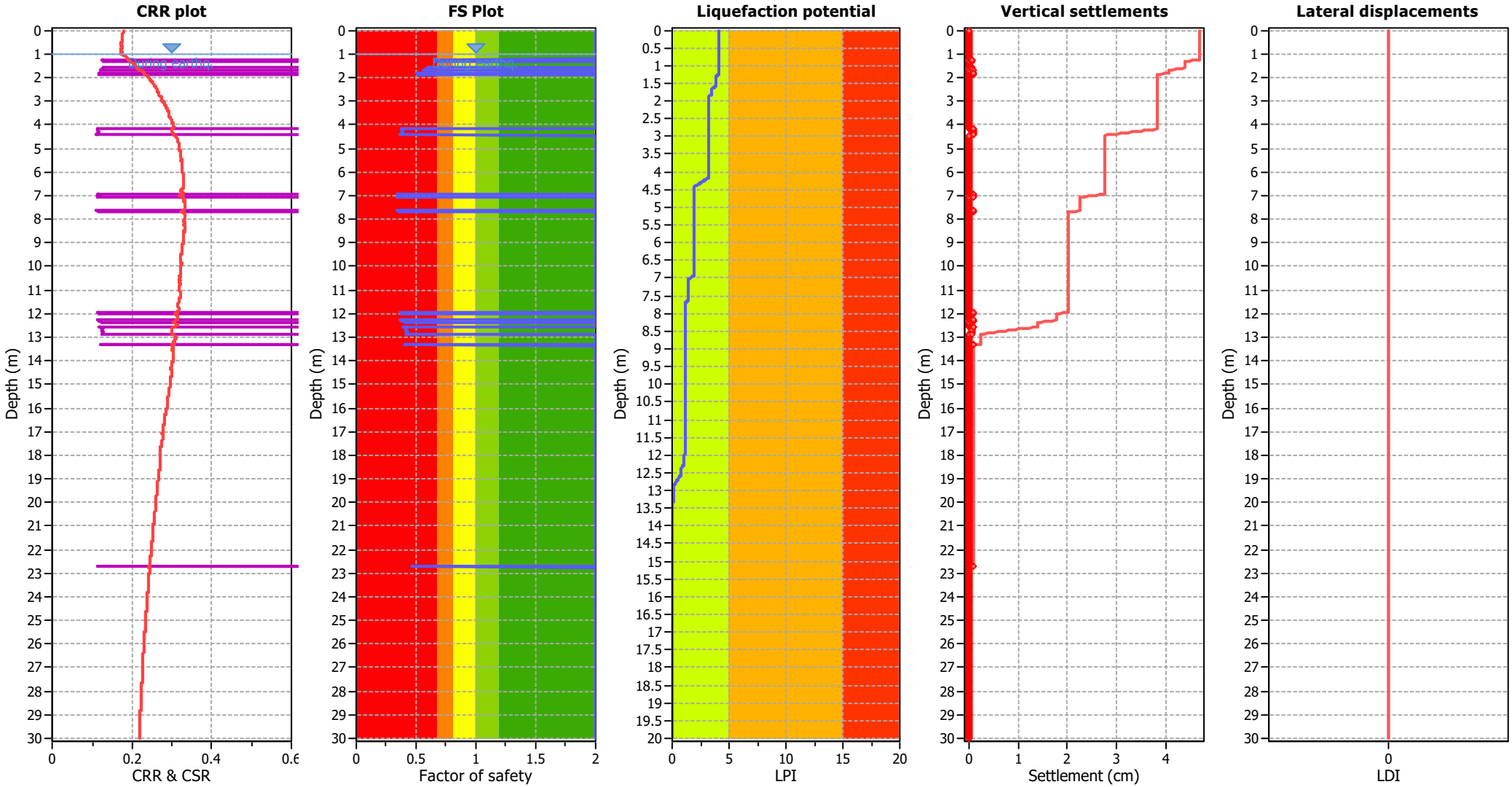
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

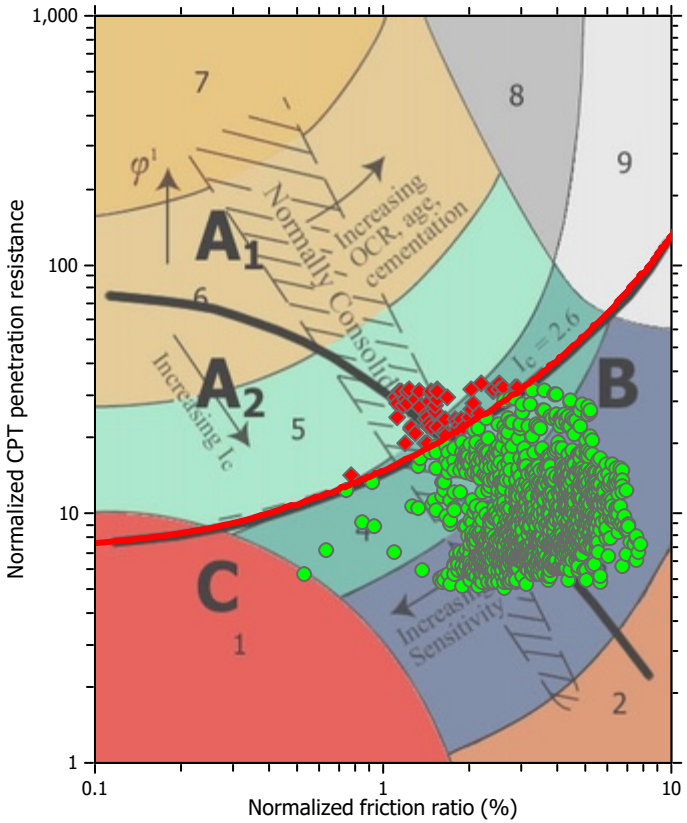
F.S. color scheme

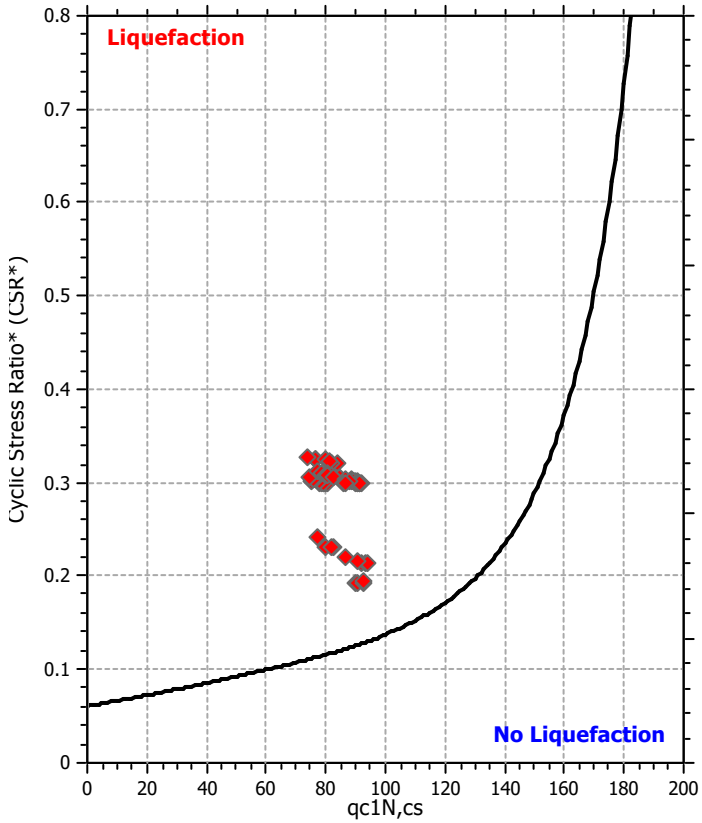
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

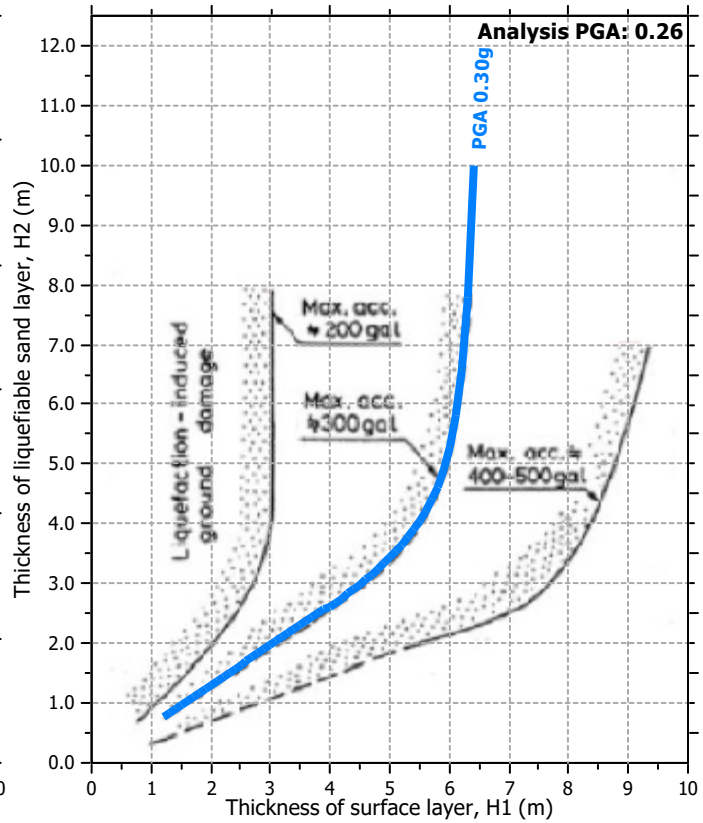
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



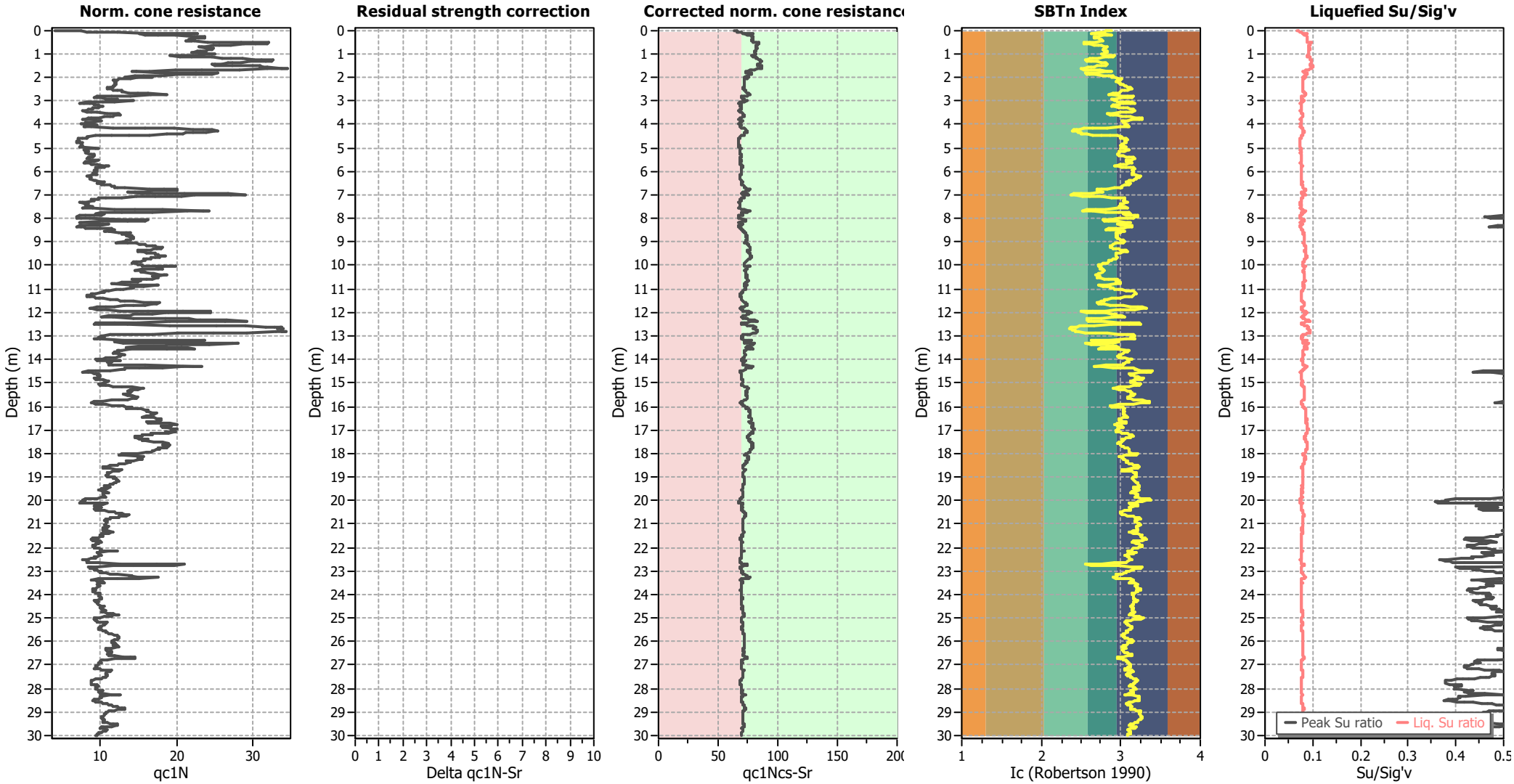




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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	0.65	0.35	0.76	0.02	0.06
1.26	0.65	0.35	0.76	0.02	0.06	1.28	0.66	0.34	0.79	0.02	0.06
1.30	0.66	0.34	0.78	0.02	0.06	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	0.60	0.40	0.63	0.02	0.07	1.60	0.61	0.39	0.65	0.02	0.07
1.62	0.61	0.39	0.64	0.02	0.07	1.64	0.58	0.42	0.60	0.02	0.08
1.66	0.56	0.44	0.55	0.02	0.08	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	0.50	0.50	0.48	0.02	0.09	1.84	0.51	0.49	0.50	0.02	0.09
1.86	0.51	0.49	0.49	0.02	0.09	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	0.37	0.63	0.37	0.02	0.10	4.20	0.38	0.62	0.37	0.02	0.10
4.22	0.38	0.62	0.37	0.02	0.10	4.24	0.38	0.62	0.37	0.02	0.10
4.26	0.39	0.61	0.38	0.02	0.10	4.28	0.39	0.61	0.38	0.02	0.10
4.30	0.39	0.61	0.38	0.02	0.10	4.32	0.38	0.62	0.37	0.02	0.10
4.34	0.38	0.62	0.37	0.02	0.10	4.36	0.37	0.63	0.37	0.02	0.10
4.38	0.37	0.63	0.36	0.02	0.10	4.40	0.37	0.63	0.36	0.02	0.10
4.42	0.37	0.63	0.36	0.02	0.10	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	0.35	0.65	0.35	0.02	0.09	6.96	0.37	0.63	0.36	0.02	0.08
6.98	0.37	0.63	0.37	0.02	0.08	7.00	0.37	0.63	0.36	0.02	0.08
7.02	0.35	0.65	0.35	0.02	0.08	7.04	0.35	0.65	0.35	0.02	0.08
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	0.34	0.66	0.34	0.02	0.08
7.66	0.36	0.64	0.36	0.02	0.08	7.68	0.36	0.64	0.36	0.02	0.08

:: 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	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	0.36	0.64	0.36	0.02	0.05
11.98	0.38	0.62	0.37	0.02	0.05	12.00	0.38	0.62	0.37	0.02	0.05
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	0.37	0.63	0.36	0.02	0.05
12.30	0.37	0.63	0.37	0.02	0.05	12.32	0.38	0.62	0.37	0.02	0.05
12.34	0.39	0.61	0.38	0.02	0.05	12.36	0.41	0.59	0.39	0.02	0.05
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	0.39	0.61	0.38	0.02	0.05
12.58	0.40	0.60	0.39	0.02	0.04	12.60	0.41	0.59	0.40	0.02	0.04
12.62	0.42	0.58	0.40	0.02	0.04	12.64	0.42	0.58	0.40	0.02	0.04
12.66	0.42	0.58	0.40	0.02	0.04	12.68	0.41	0.59	0.40	0.02	0.04
12.70	0.41	0.59	0.40	0.02	0.04	12.72	0.42	0.58	0.40	0.02	0.04
12.74	0.42	0.58	0.40	0.02	0.04	12.76	0.42	0.58	0.40	0.02	0.04
12.78	0.43	0.57	0.41	0.02	0.04	12.80	0.42	0.58	0.41	0.02	0.04
12.82	0.43	0.57	0.41	0.02	0.04	12.84	0.42	0.58	0.40	0.02	0.04
12.86	0.41	0.59	0.39	0.02	0.04	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	0.41	0.59	0.39	0.02	0.04
13.34	0.41	0.59	0.39	0.02	0.04	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	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	0.47	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

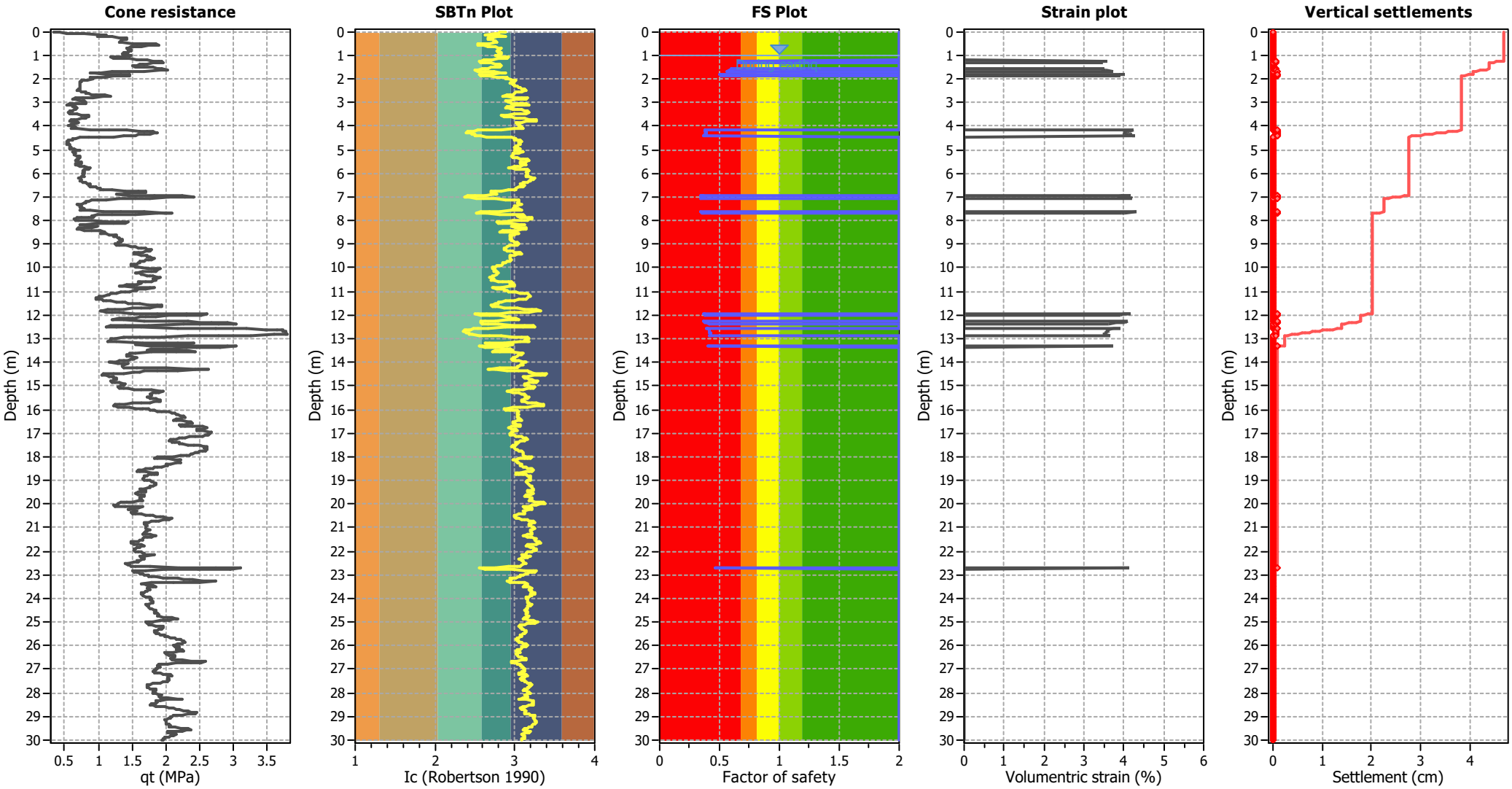
Overall liquefaction potential: 4.06

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

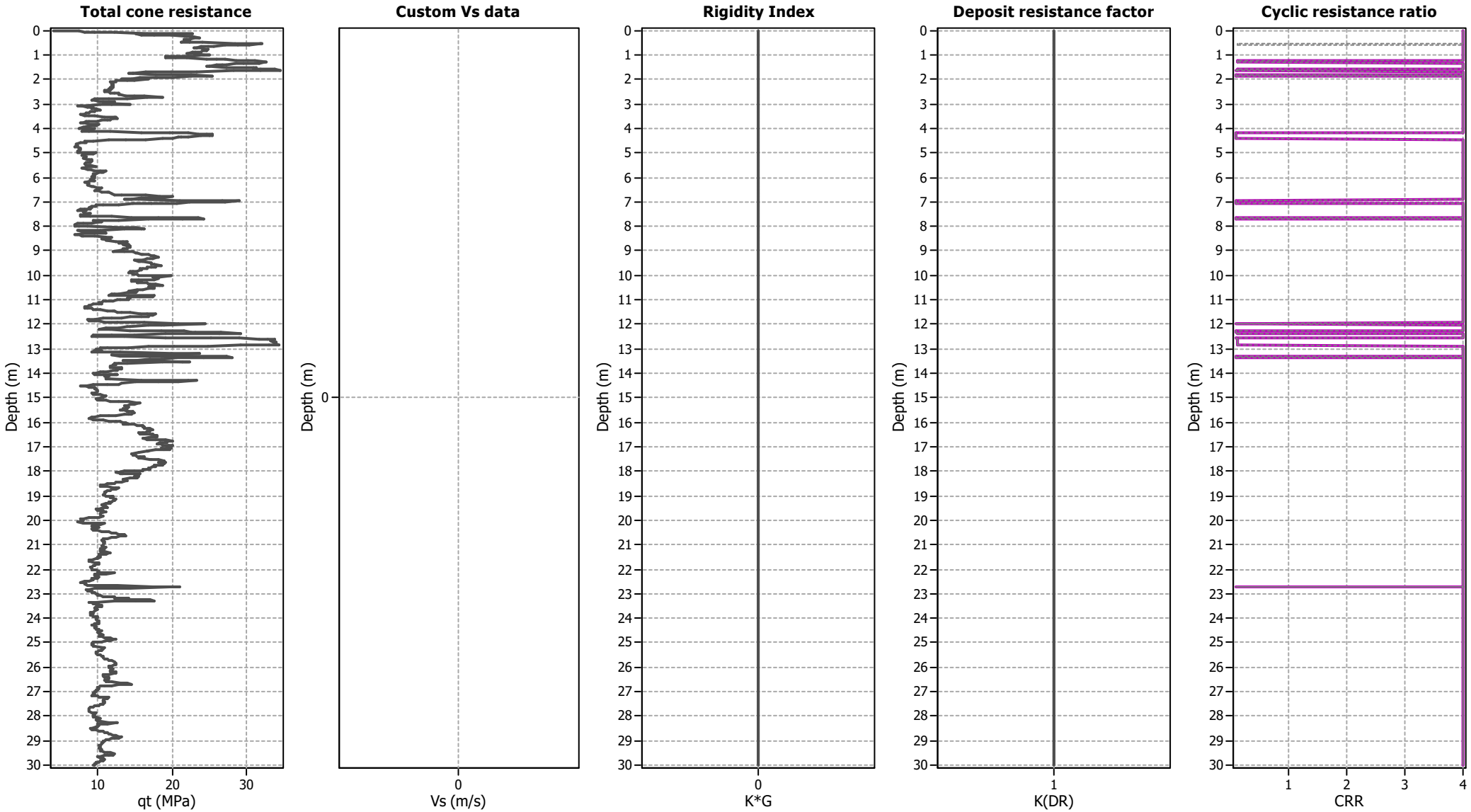
Estimation of post-earthquake settlements



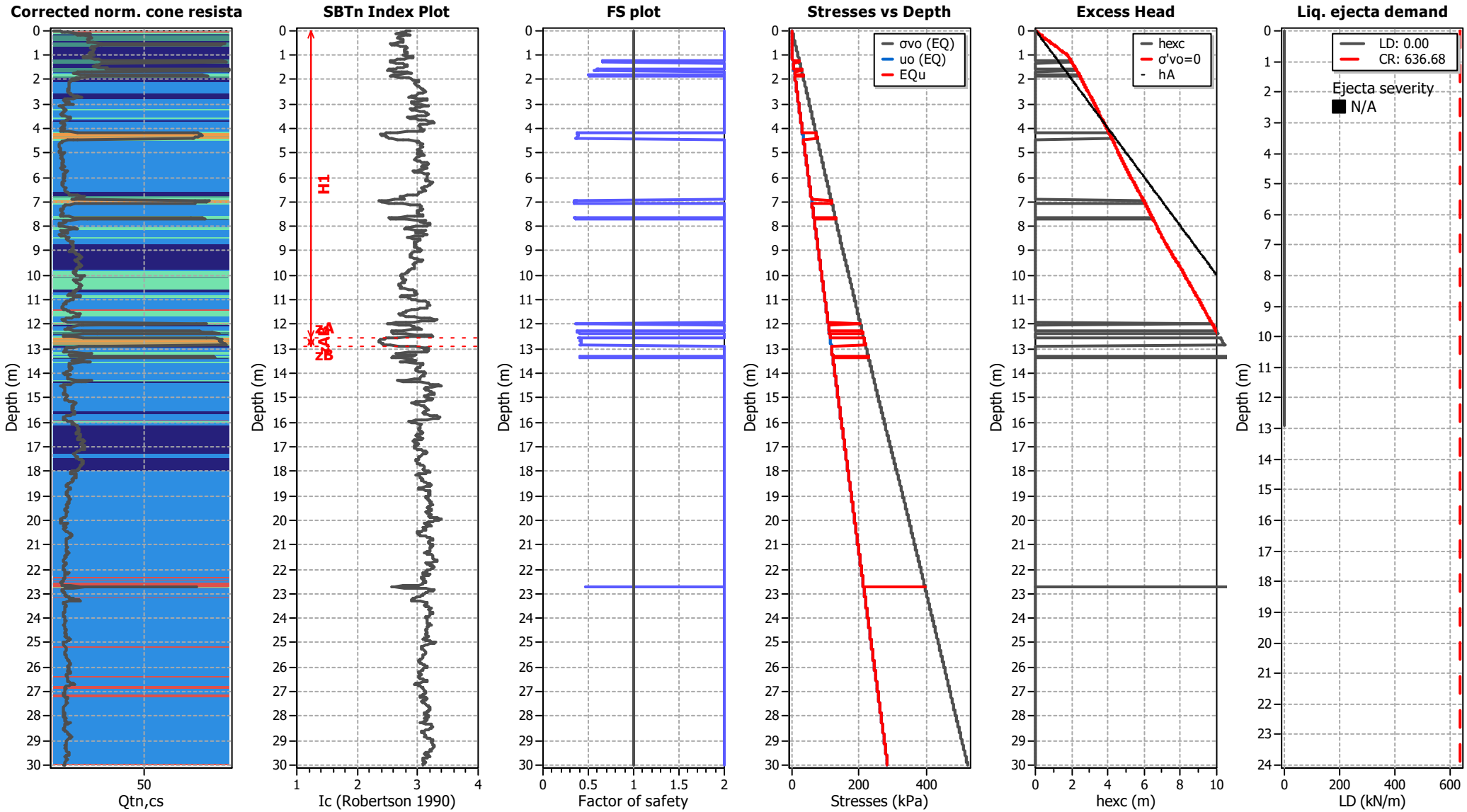
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



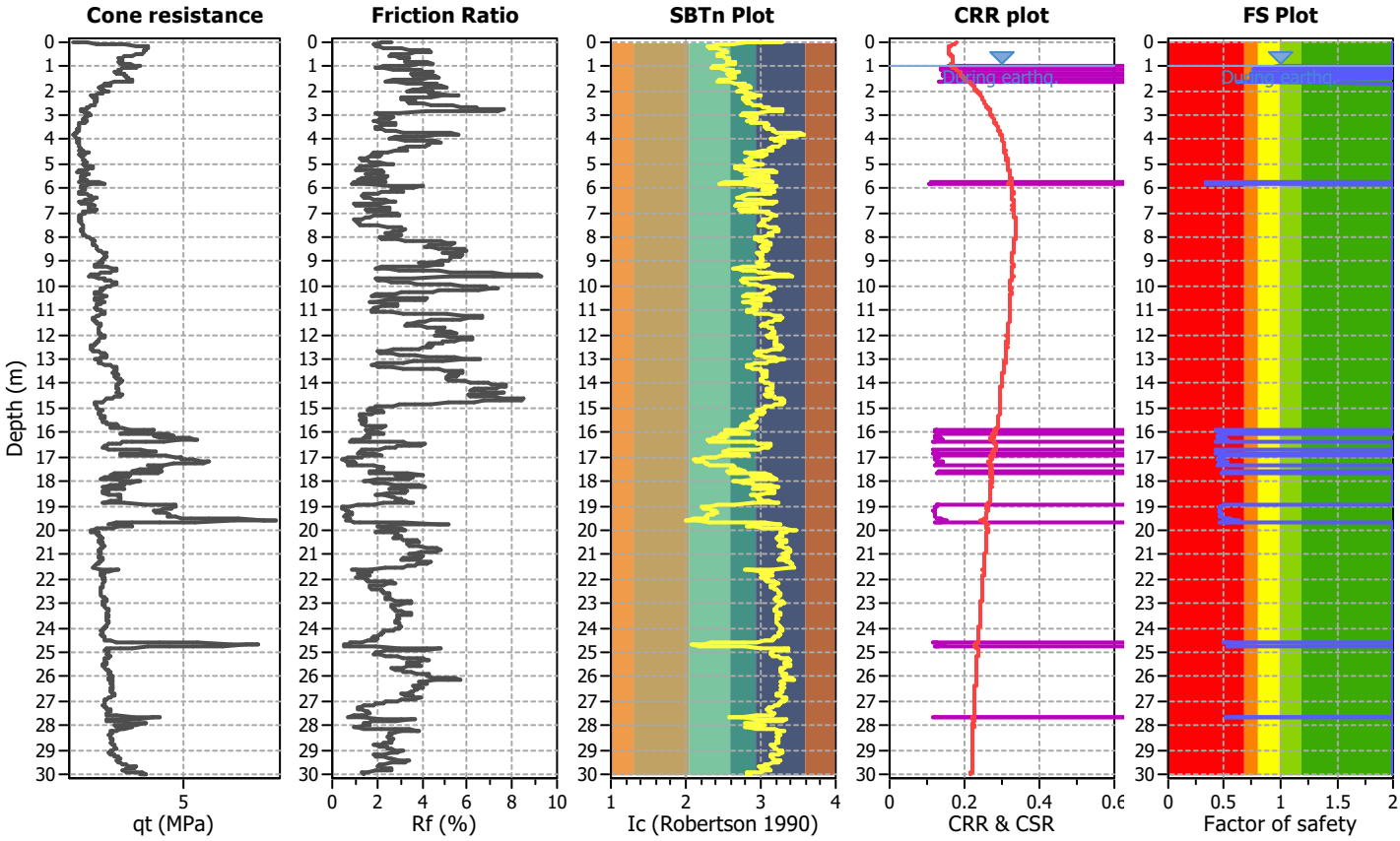
LIQUEFACTION ANALYSIS REPORT

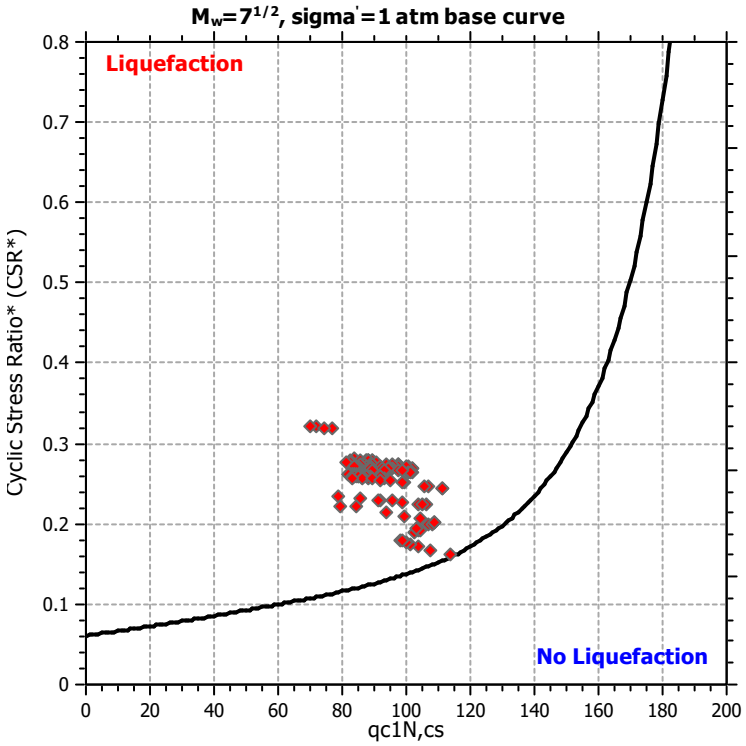
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,26**

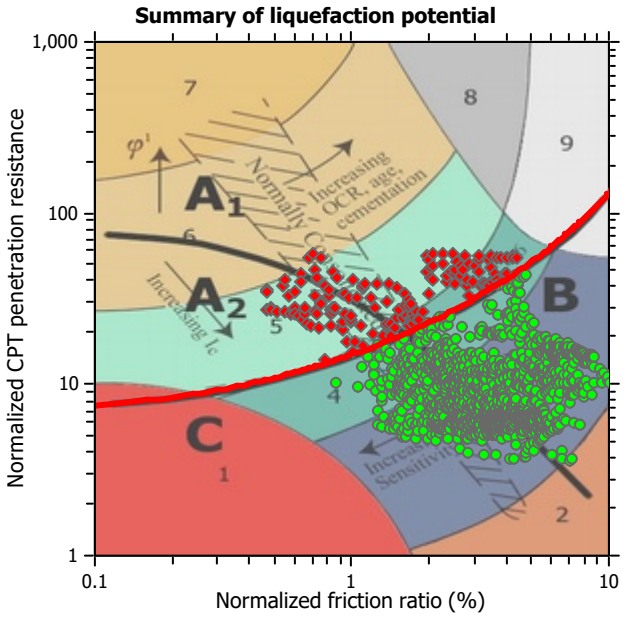
CPT file : 039017P81CPTU83

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

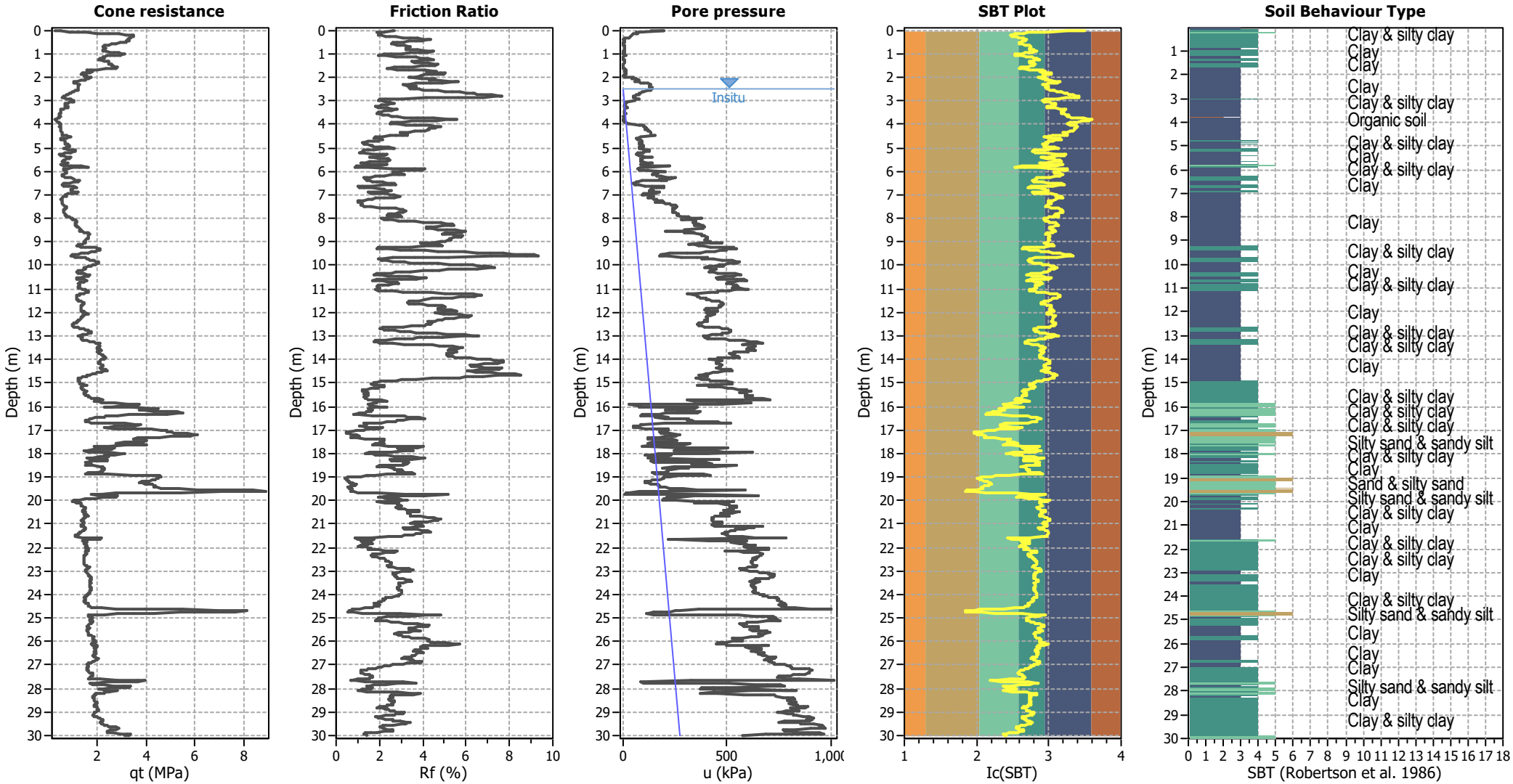






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



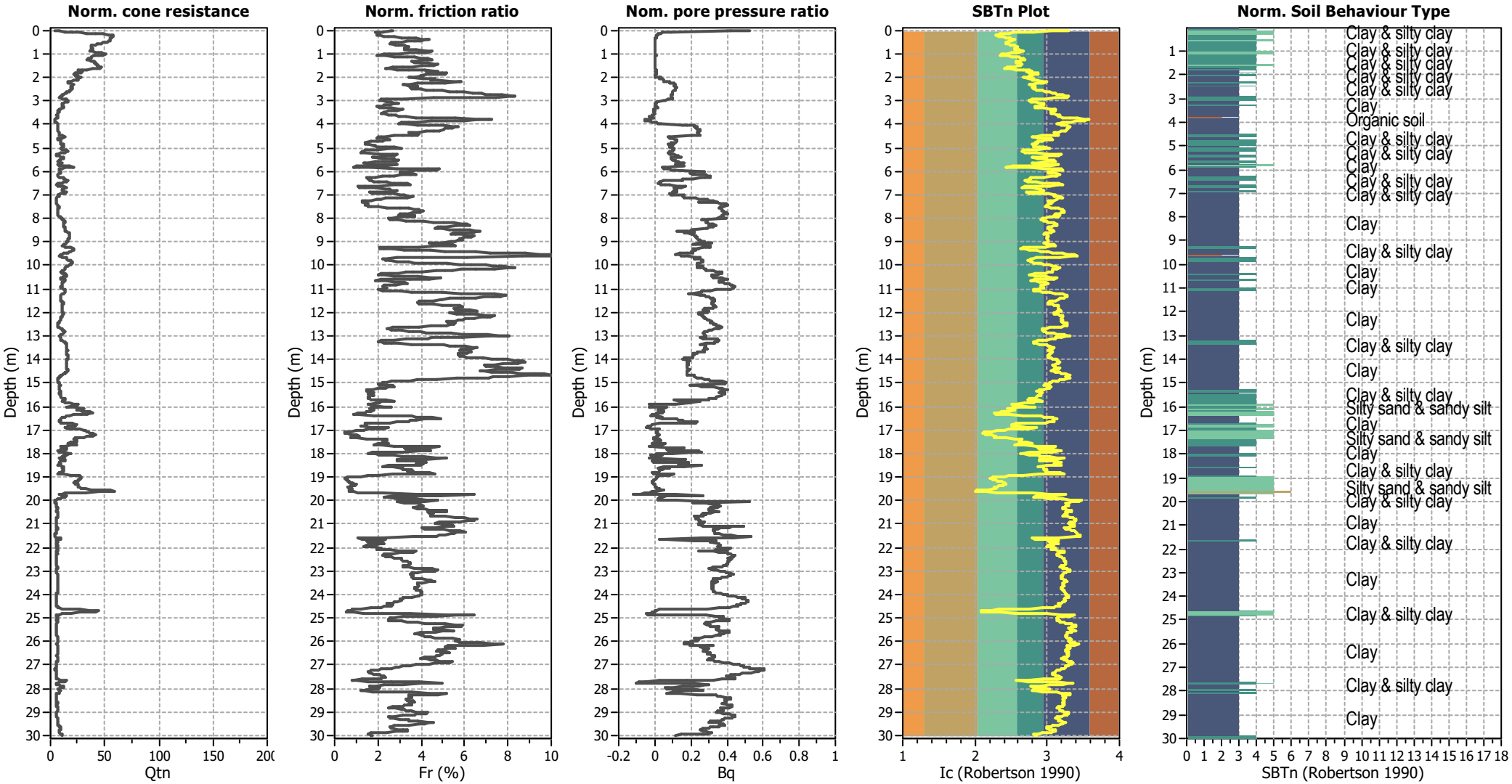
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



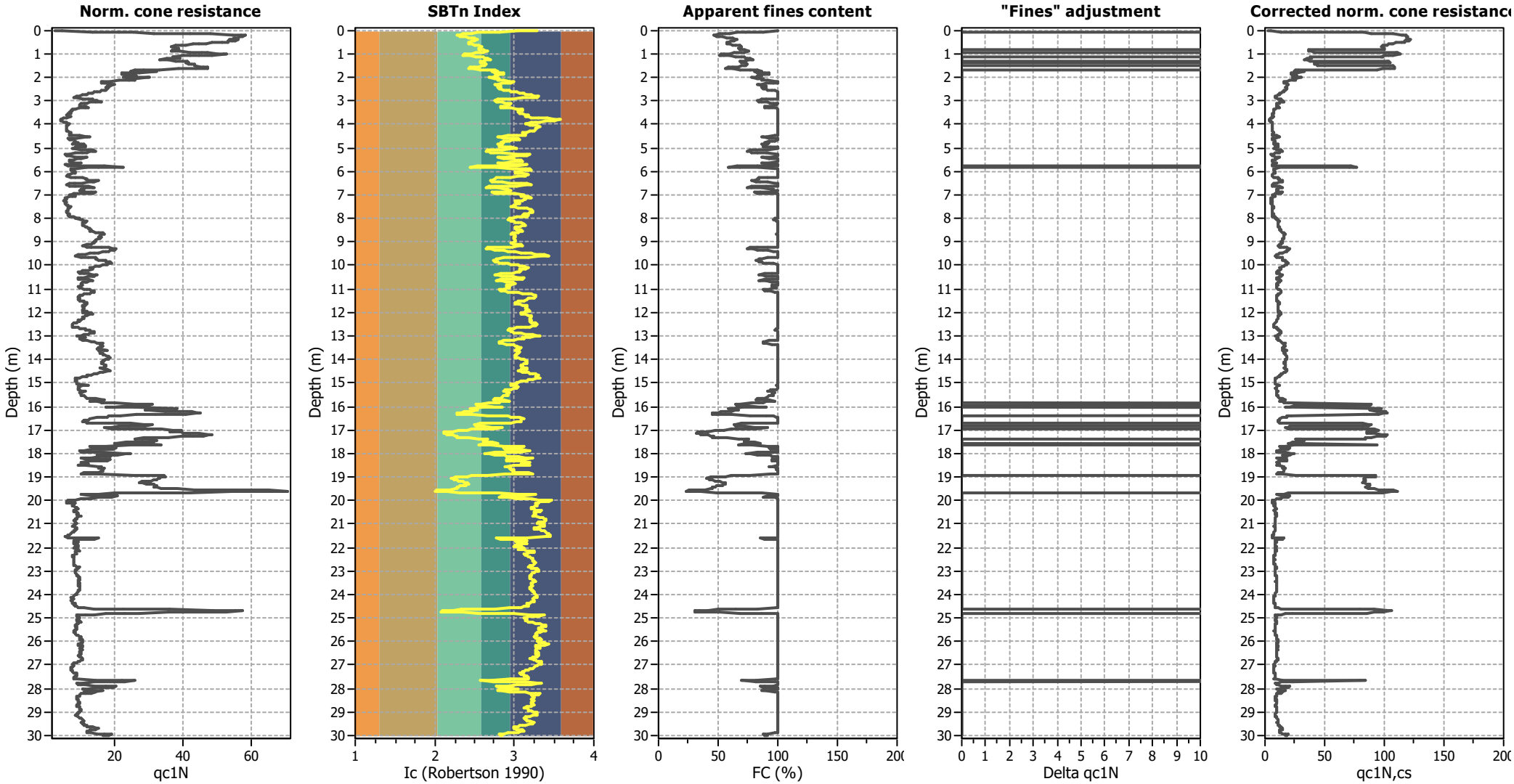
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

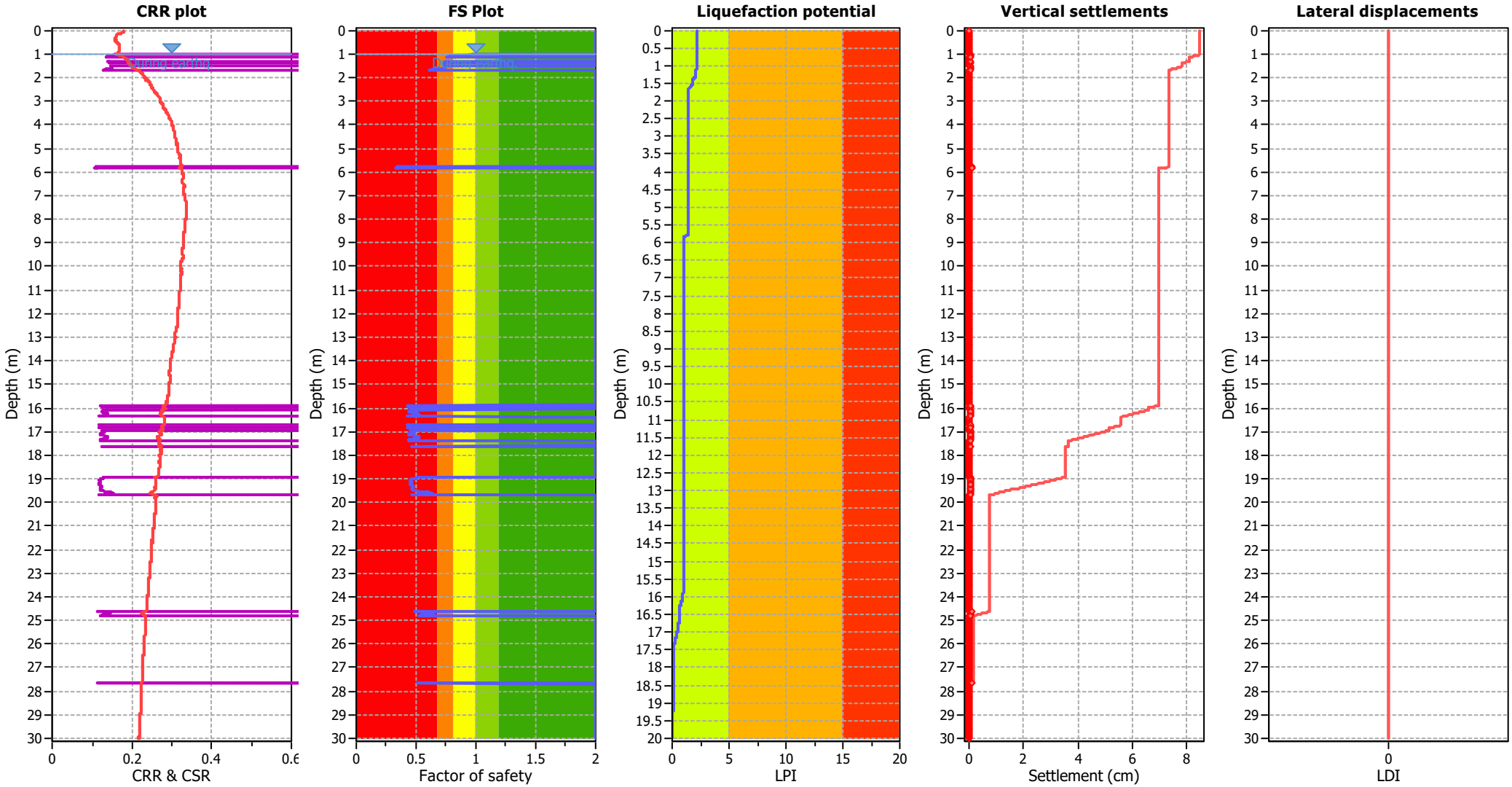
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

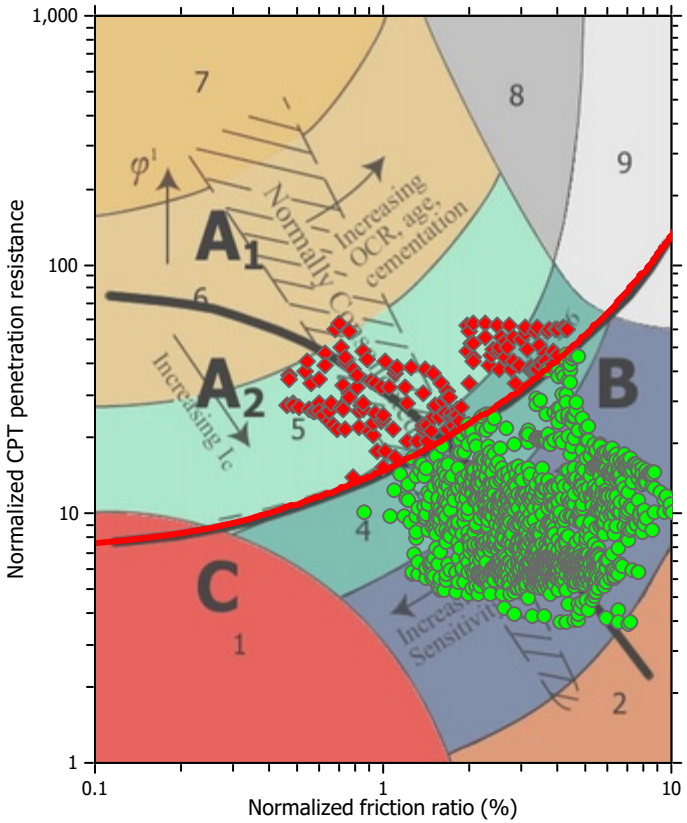
F.S. color scheme

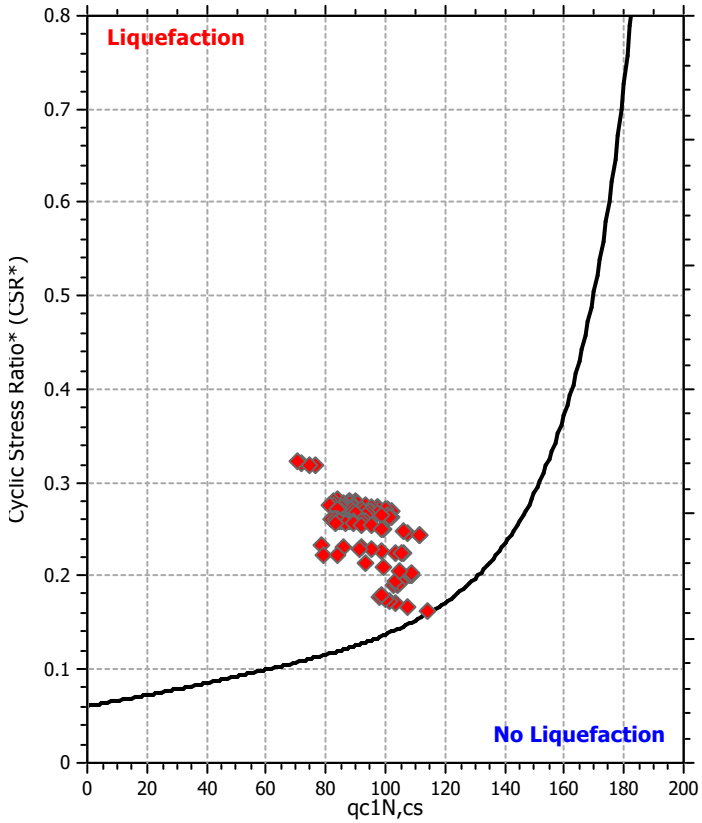
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

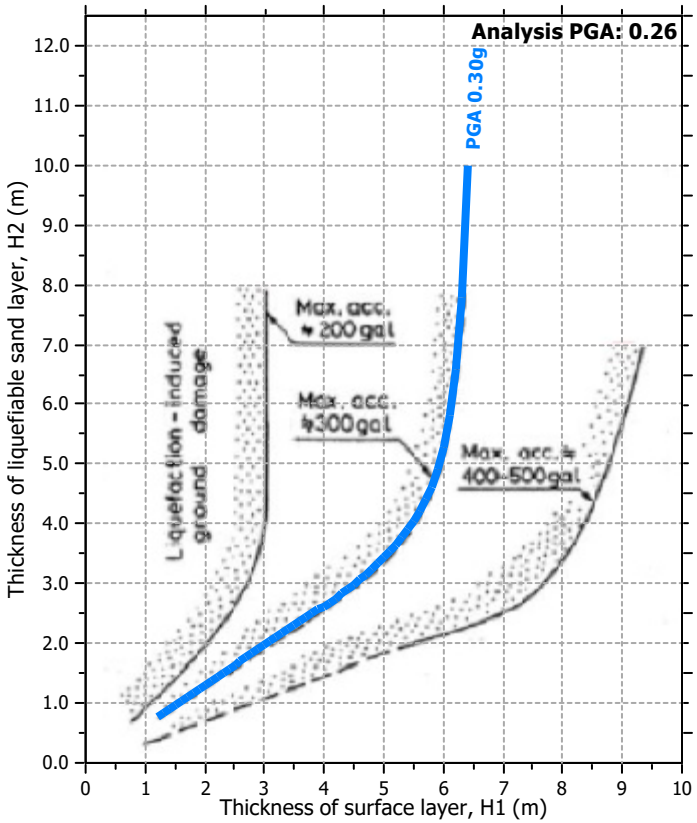
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



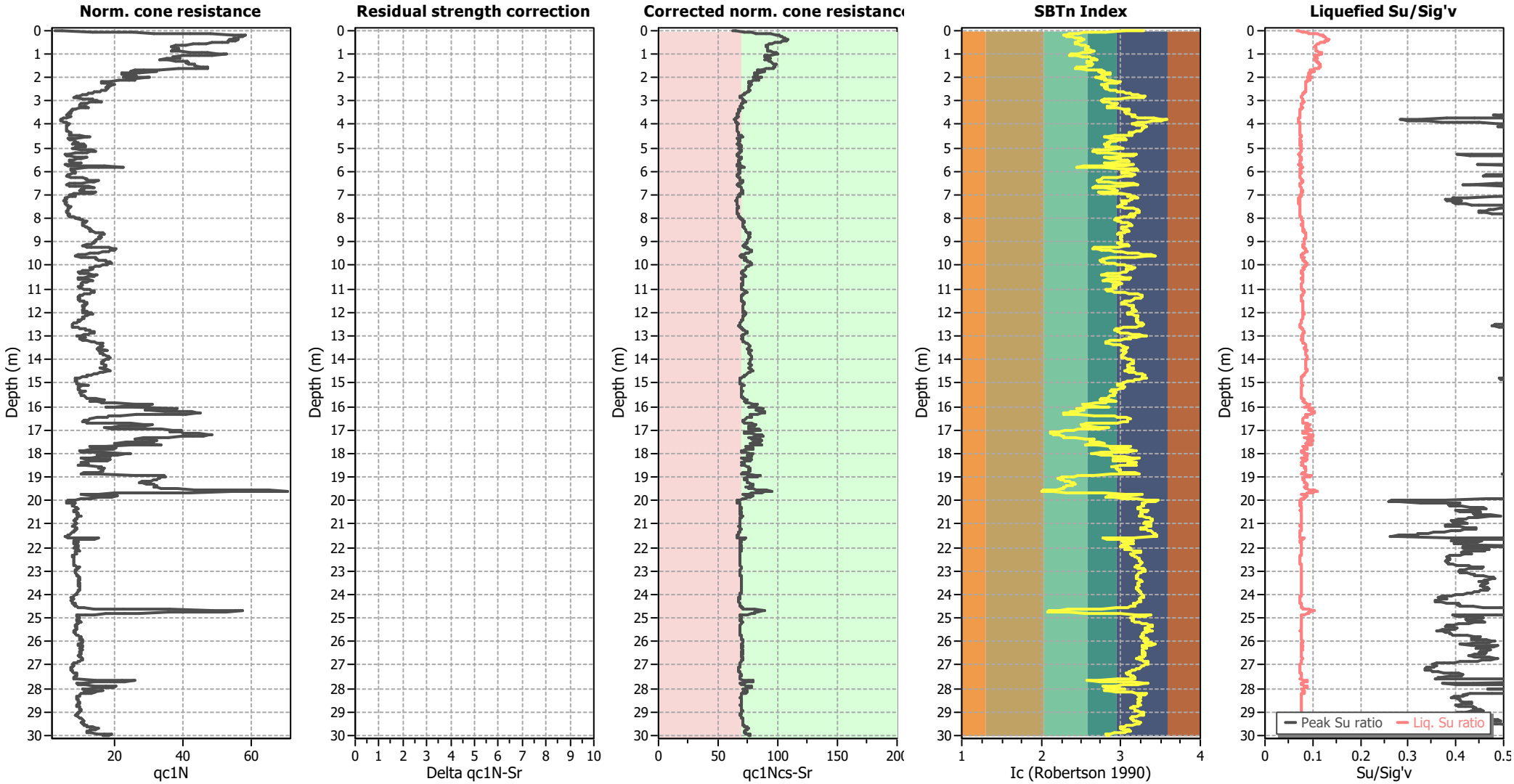




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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	0.97	0.00	0.00	0.02	0.00	1.04	0.89	0.00	0.00	0.02	0.02
1.06	0.83	0.00	0.00	0.02	0.03	1.08	0.80	0.00	0.00	0.02	0.04
1.10	0.78	0.00	0.00	0.02	0.04	1.12	0.76	0.00	0.00	0.02	0.05
1.14	0.75	0.00	0.00	0.02	0.05	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	0.74	0.00	0.00	0.02	0.05
1.34	0.75	0.00	0.00	0.02	0.05	1.36	0.75	0.00	0.00	0.02	0.05
1.38	0.73	0.00	0.00	0.02	0.05	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	0.74	0.00	0.00	0.02	0.05
1.54	0.75	0.00	0.00	0.02	0.05	1.56	0.74	0.00	0.00	0.02	0.05
1.58	0.74	0.00	0.00	0.02	0.05	1.60	0.74	0.00	0.00	0.02	0.05
1.62	0.70	0.00	0.00	0.02	0.06	1.64	0.65	0.00	0.00	0.02	0.06
1.66	0.61	0.00	0.00	0.02	0.07	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	0.34	0.00	0.00	0.02	0.09	5.80	0.36	0.00	0.00	0.02	0.09
5.82	0.35	0.00	0.00	0.02	0.09	5.84	0.33	0.00	0.00	0.02	0.09
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	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	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	0.42	0.00	0.00	0.02	0.02
15.90	0.45	0.00	0.00	0.02	0.02	15.92	0.45	0.00	0.00	0.02	0.02
15.94	0.44	0.00	0.00	0.02	0.02	15.96	0.44	0.00	0.00	0.02	0.02
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	0.49	0.00	0.00	0.02	0.02
16.10	0.49	0.00	0.00	0.02	0.02	16.12	0.46	0.00	0.00	0.02	0.02
16.14	0.45	0.00	0.00	0.02	0.02	16.16	0.44	0.00	0.00	0.02	0.02
16.18	0.44	0.00	0.00	0.02	0.02	16.20	0.47	0.00	0.00	0.02	0.02
16.22	0.49	0.00	0.00	0.02	0.02	16.24	0.51	0.00	0.00	0.02	0.02
16.26	0.52	0.00	0.00	0.02	0.02	16.28	0.52	0.00	0.00	0.02	0.02
16.30	0.51	0.00	0.00	0.02	0.02	16.32	0.48	0.00	0.00	0.02	0.02
16.34	0.44	0.00	0.00	0.02	0.02	16.36	0.42	0.00	0.00	0.02	0.02
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	0.43	0.00	0.00	0.02	0.02	16.76	0.44	0.00	0.00	0.02	0.02
16.78	0.45	0.00	0.00	0.02	0.02	16.80	0.46	0.00	0.00	0.02	0.02
16.82	0.44	0.00	0.00	0.02	0.02	16.84	0.42	0.00	0.00	0.02	0.02
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	0.45	0.00	0.00	0.02	0.02
16.98	0.47	0.00	0.00	0.02	0.02	17.00	0.49	0.00	0.00	0.02	0.02
17.02	0.49	0.00	0.00	0.02	0.02	17.04	0.49	0.00	0.00	0.02	0.02
17.06	0.45	0.00	0.00	0.02	0.02	17.08	0.46	0.00	0.00	0.02	0.02
17.10	0.44	0.00	0.00	0.02	0.02	17.12	0.44	0.00	0.00	0.02	0.02
17.14	0.46	0.00	0.00	0.02	0.02	17.16	0.48	0.00	0.00	0.02	0.01
17.18	0.50	0.00	0.00	0.02	0.01	17.20	0.52	0.00	0.00	0.02	0.01
17.22	0.53	0.00	0.00	0.02	0.01	17.24	0.53	0.00	0.00	0.02	0.01
17.26	0.51	0.00	0.00	0.02	0.01	17.28	0.49	0.00	0.00	0.02	0.01

:: 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	0.46	0.00	0.00	0.02	0.01	17.32	0.44	0.00	0.00	0.02	0.01
17.34	0.44	0.00	0.00	0.02	0.01	17.36	0.44	0.00	0.00	0.02	0.01
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	0.49	0.00	0.00	0.02	0.01	17.64	0.47	0.00	0.00	0.02	0.01
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	0.49	0.00	0.00	0.02	0.01	18.96	0.50	0.00	0.00	0.02	0.01
18.98	0.50	0.00	0.00	0.02	0.01	19.00	0.48	0.00	0.00	0.02	0.01
19.02	0.47	0.00	0.00	0.02	0.01	19.04	0.46	0.00	0.00	0.02	0.01
19.06	0.45	0.00	0.00	0.02	0.01	19.08	0.46	0.00	0.00	0.02	0.01
19.10	0.46	0.00	0.00	0.02	0.00	19.12	0.46	0.00	0.00	0.02	0.00
19.14	0.46	0.00	0.00	0.02	0.00	19.16	0.46	0.00	0.00	0.02	0.00
19.18	0.46	0.00	0.00	0.02	0.00	19.20	0.45	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	0.45	0.00	0.00	0.02	0.00	19.24	0.45	0.00	0.00	0.02	0.00
19.26	0.46	0.00	0.00	0.02	0.00	19.28	0.47	0.00	0.00	0.02	0.00
19.30	0.47	0.00	0.00	0.02	0.00	19.32	0.48	0.00	0.00	0.02	0.00
19.34	0.48	0.00	0.00	0.02	0.00	19.36	0.48	0.00	0.00	0.02	0.00
19.38	0.47	0.00	0.00	0.02	0.00	19.40	0.47	0.00	0.00	0.02	0.00
19.42	0.46	0.00	0.00	0.02	0.00	19.44	0.46	0.00	0.00	0.02	0.00
19.46	0.47	0.00	0.00	0.02	0.00	19.48	0.47	0.00	0.00	0.02	0.00
19.50	0.49	0.00	0.00	0.02	0.00	19.52	0.50	0.00	0.00	0.02	0.00
19.54	0.52	0.00	0.00	0.02	0.00	19.56	0.54	0.00	0.00	0.02	0.00
19.58	0.60	0.00	0.00	0.02	0.00	19.60	0.63	0.00	0.00	0.02	0.00
19.62	0.63	0.00	0.00	0.02	0.00	19.64	0.59	0.00	0.00	0.02	0.00
19.66	0.54	0.00	0.00	0.02	0.00	19.68	0.46	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	0.49	0.00	0.00	0.02	0.00	24.64	0.55	0.00	0.00	0.02	0.00
24.66	0.63	0.00	0.00	0.02	0.00	24.68	0.65	0.00	0.00	0.02	0.00
24.70	0.65	0.00	0.00	0.02	0.00	24.72	0.60	0.00	0.00	0.02	0.00
24.74	0.58	0.00	0.00	0.02	0.00	24.76	0.55	0.00	0.00	0.02	0.00
24.78	0.52	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	0.52	0.00	0.00	0.02	0.00	27.68	0.54	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

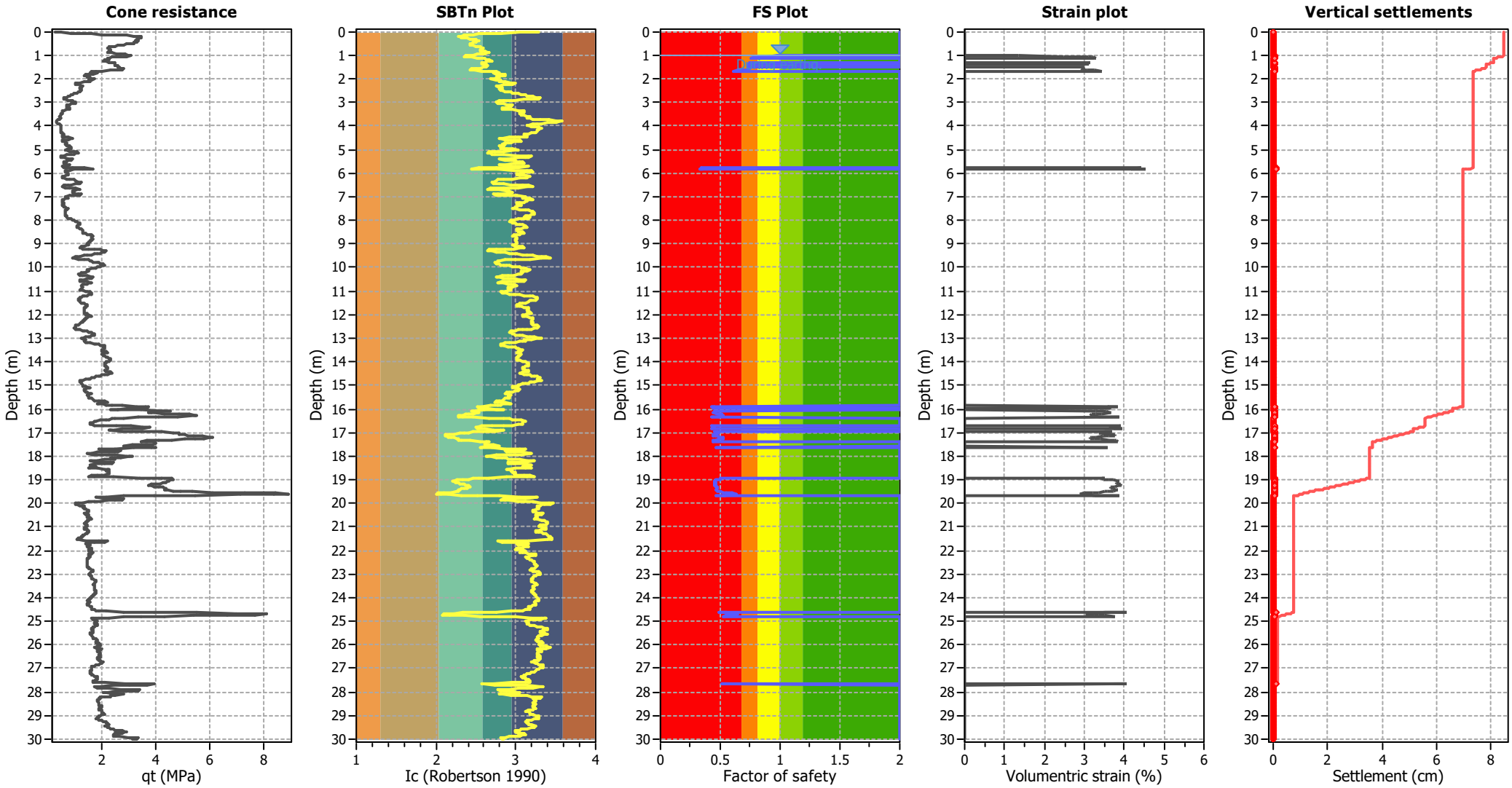
Overall liquefaction potential: 2.22

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

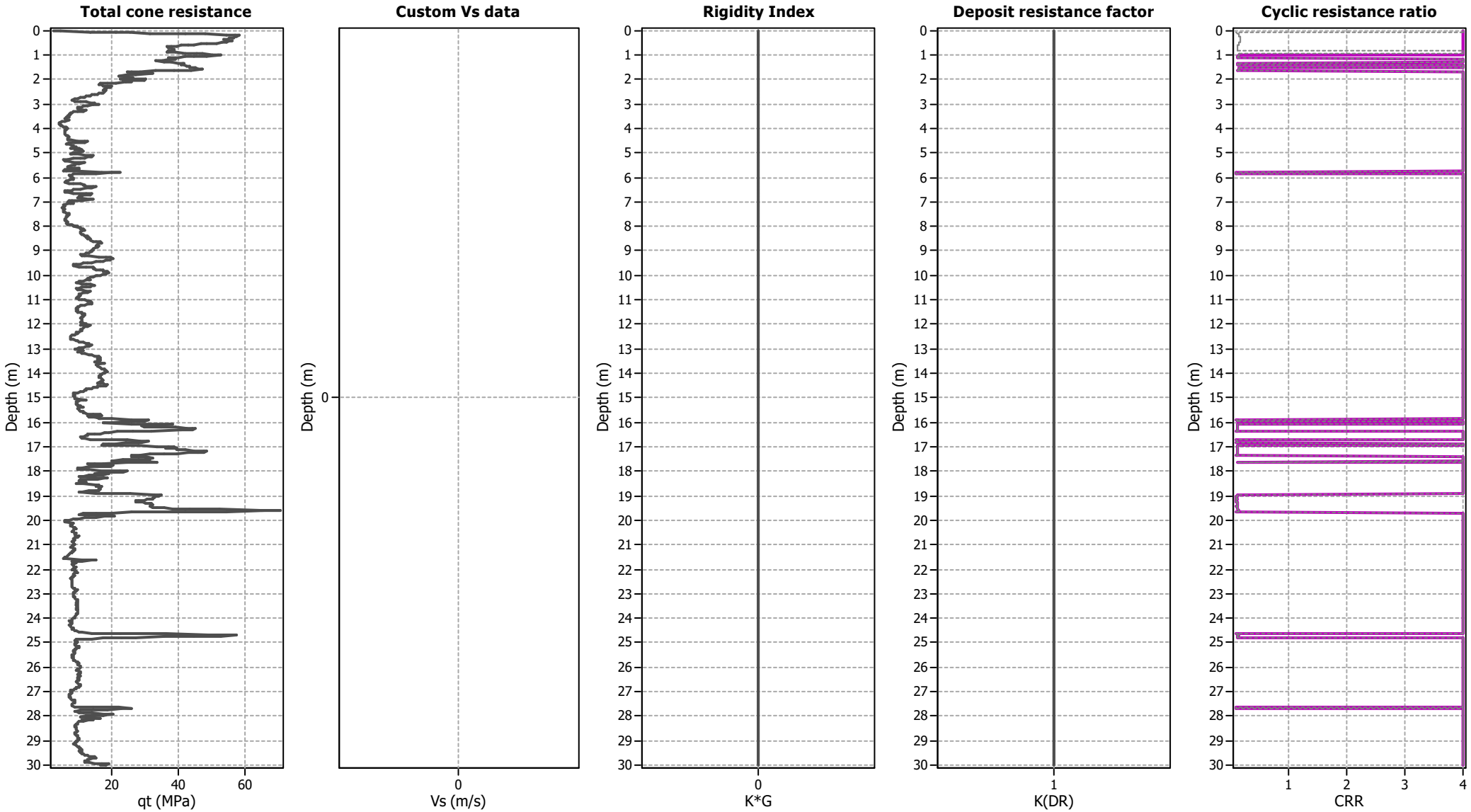
Estimation of post-earthquake settlements



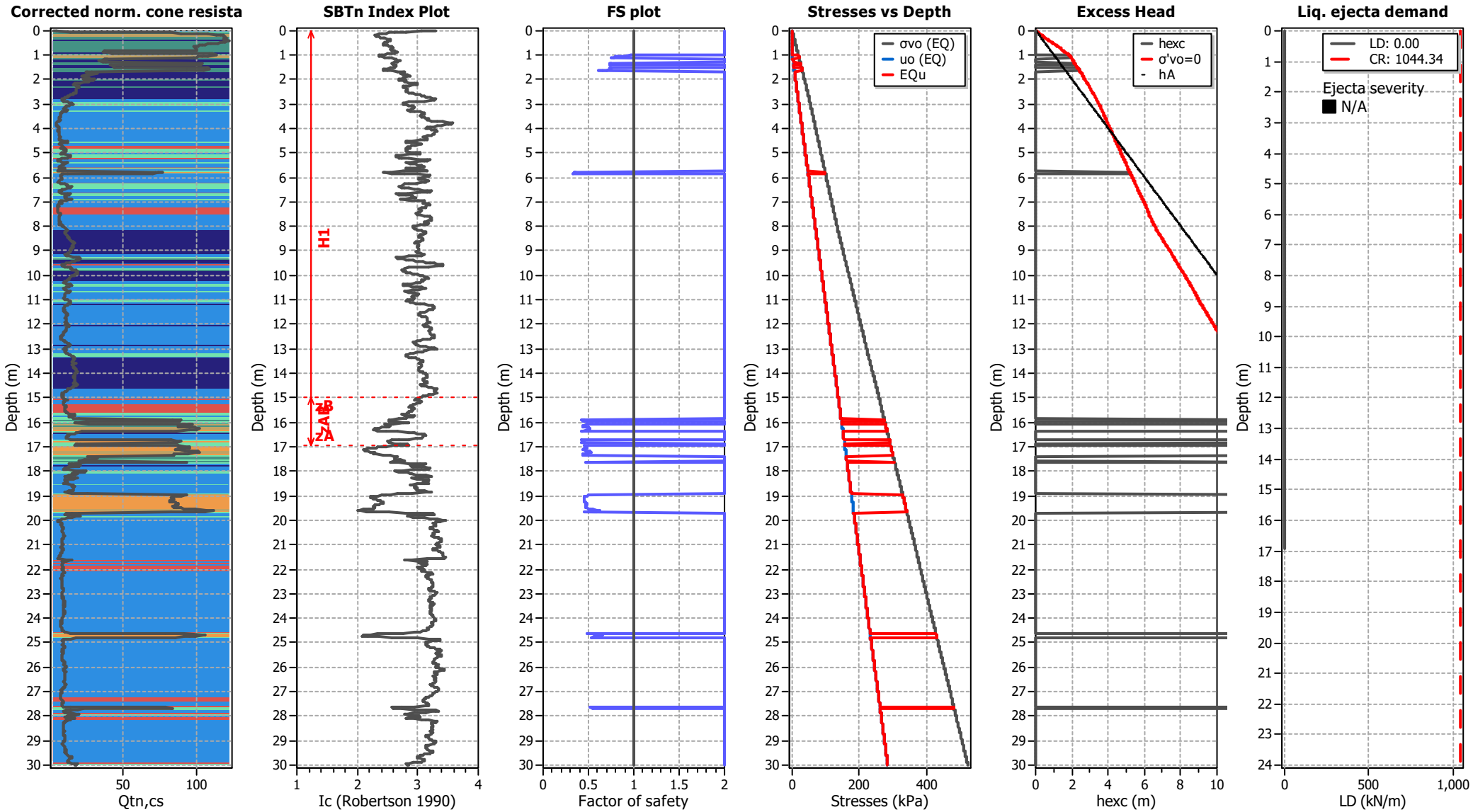
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



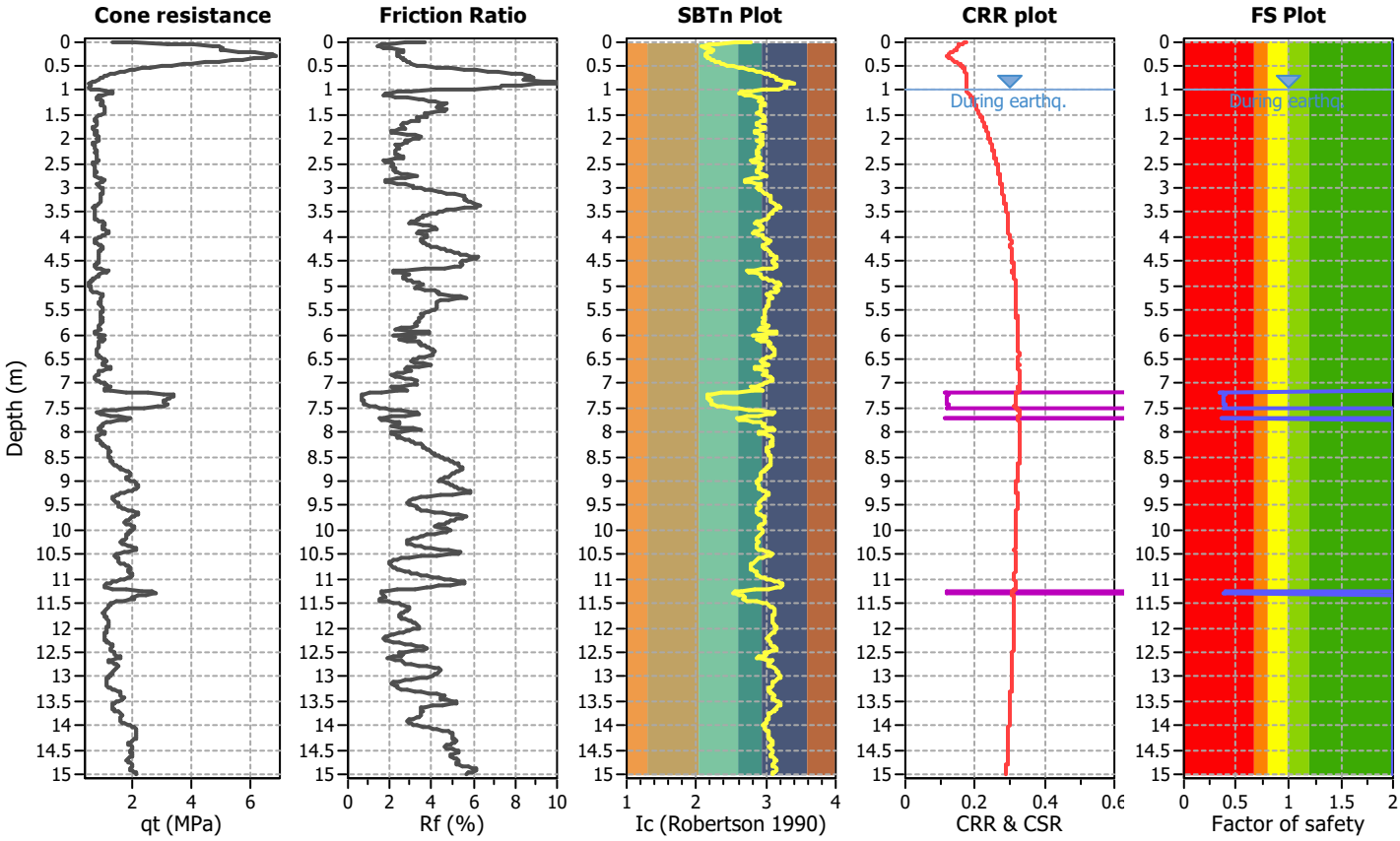
LIQUEFACTION ANALYSIS REPORT

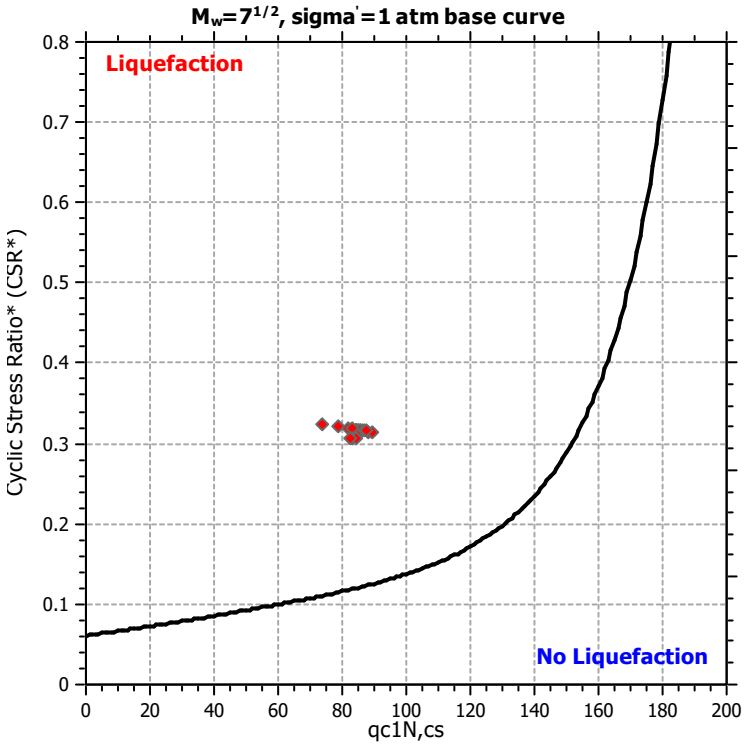
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,26**

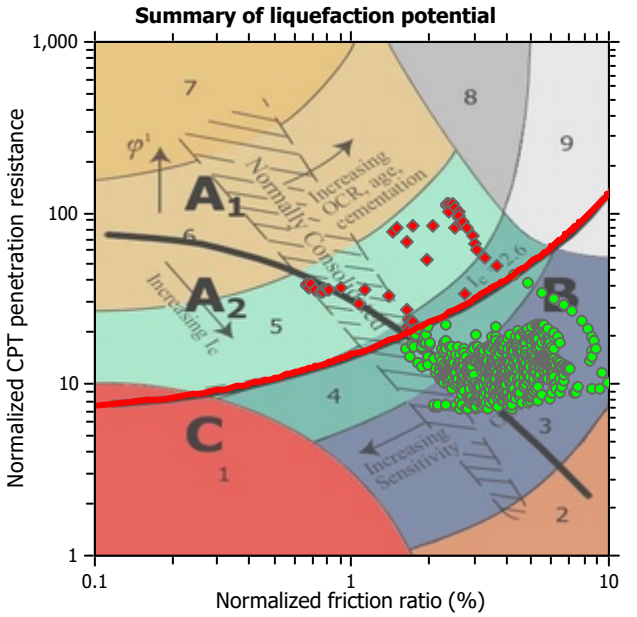
CPT file : 039017P95CPTU100

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

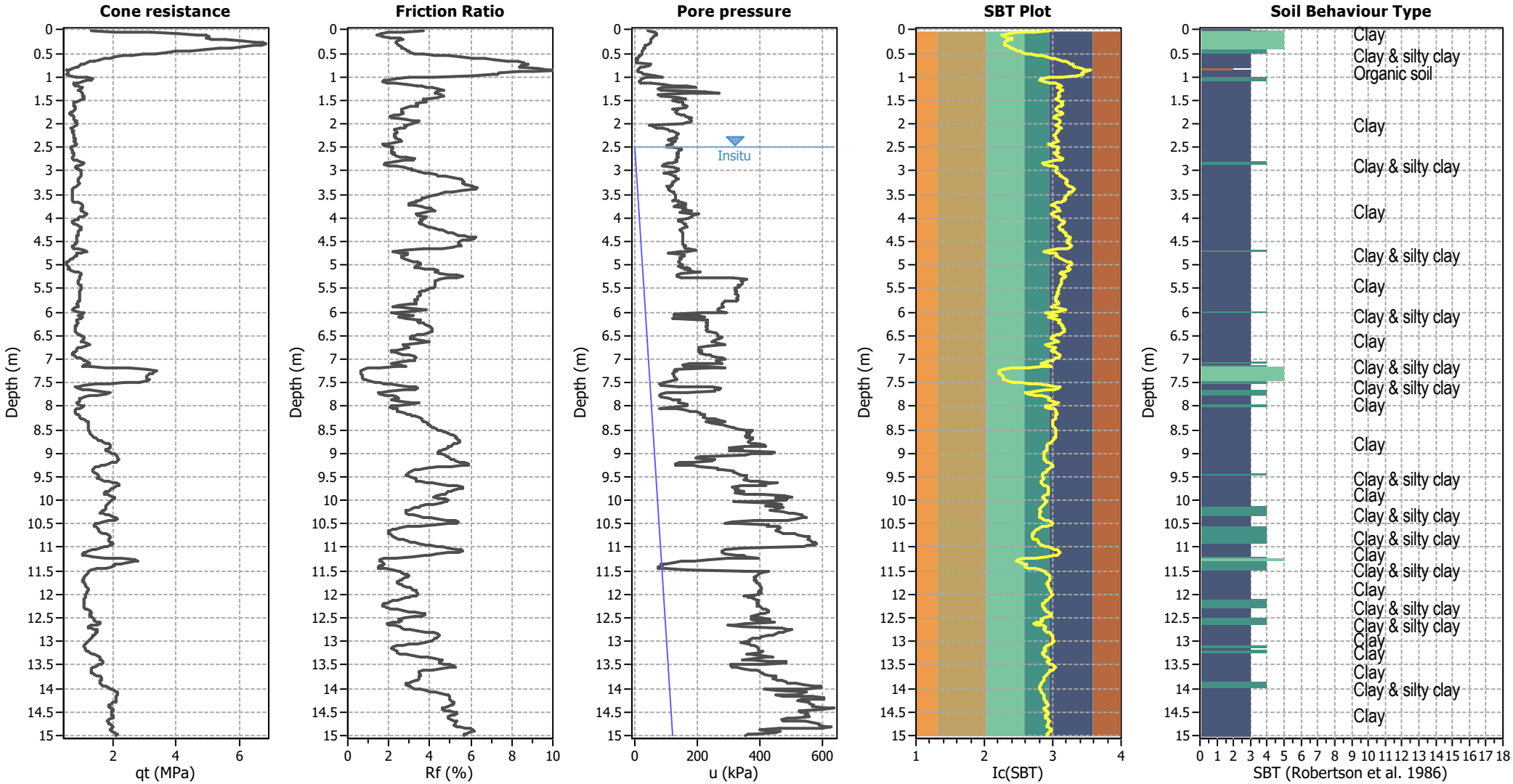






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



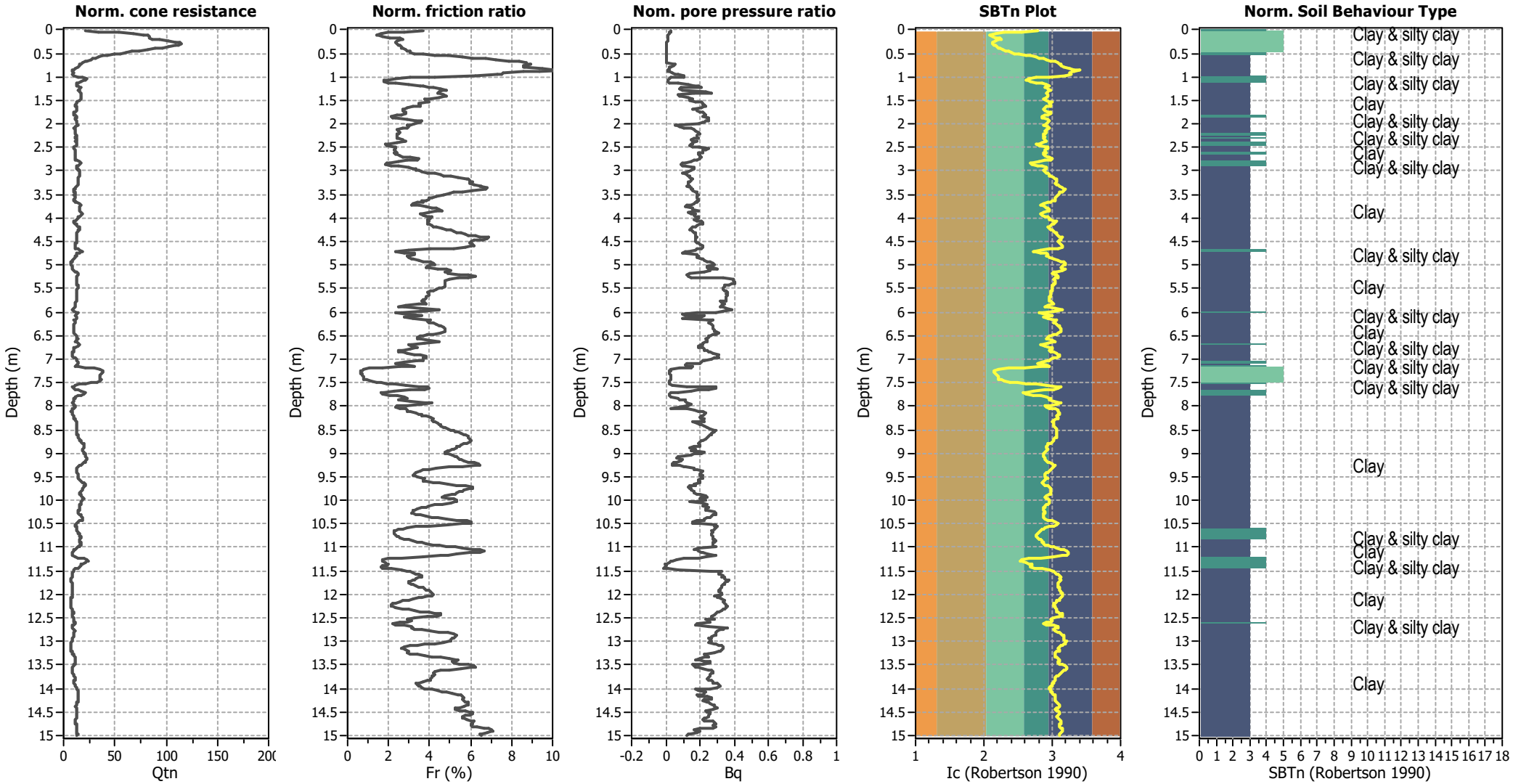
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



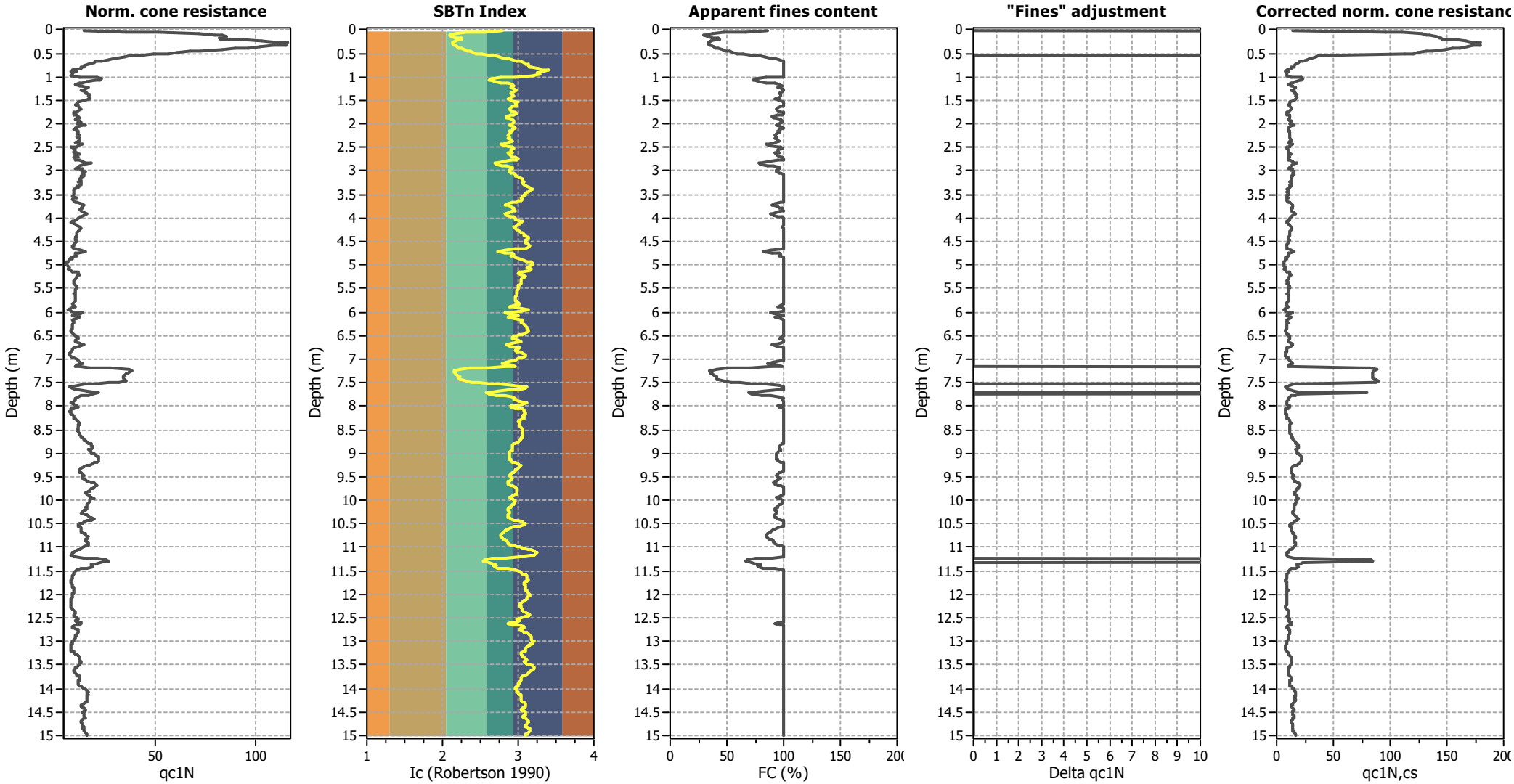
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

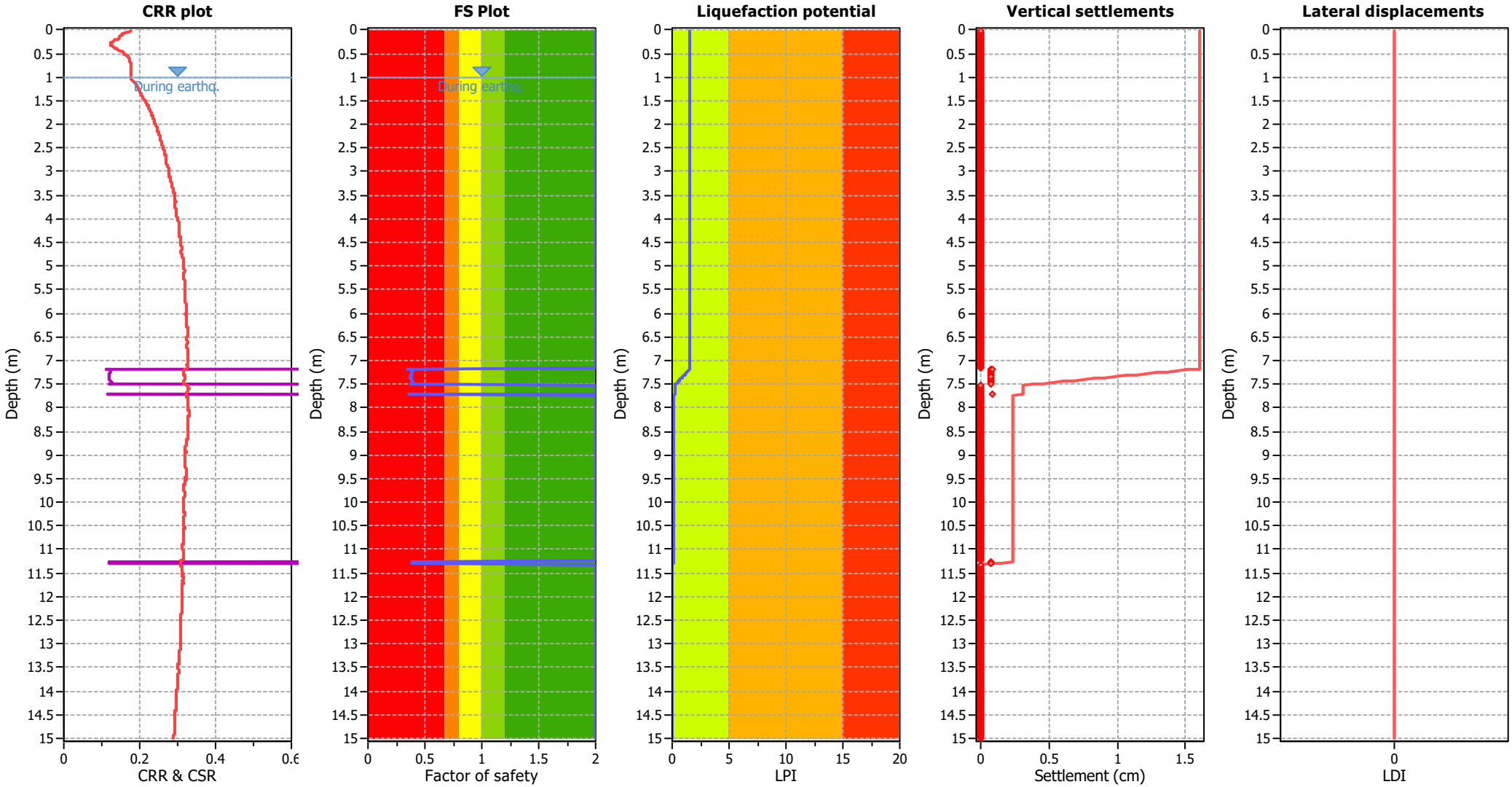
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

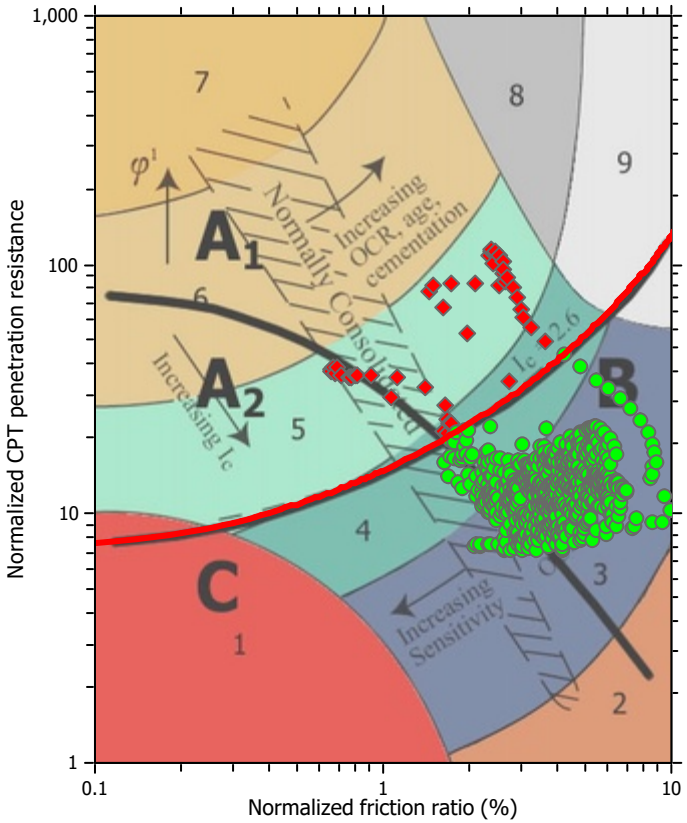
F.S. color scheme

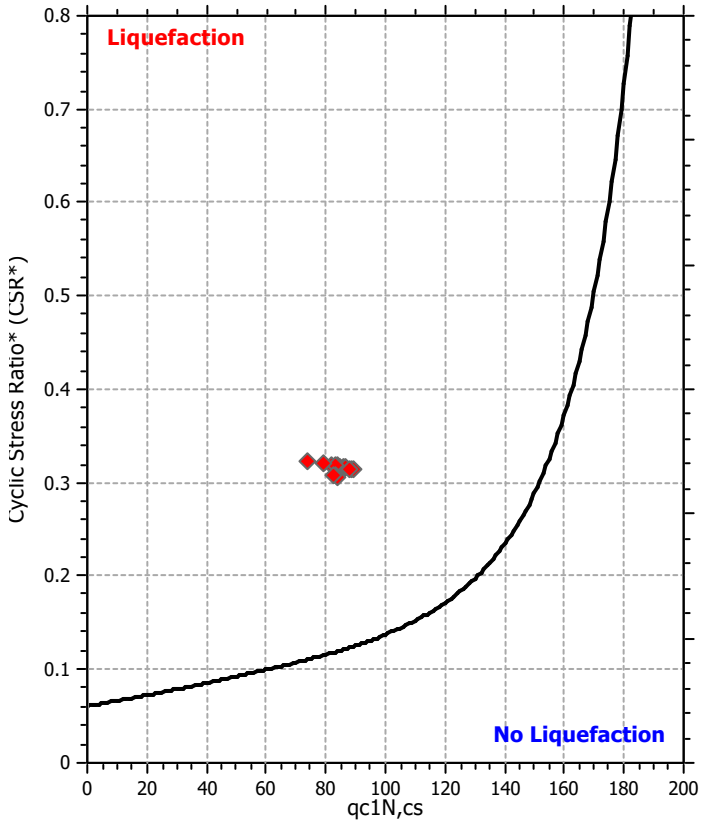
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

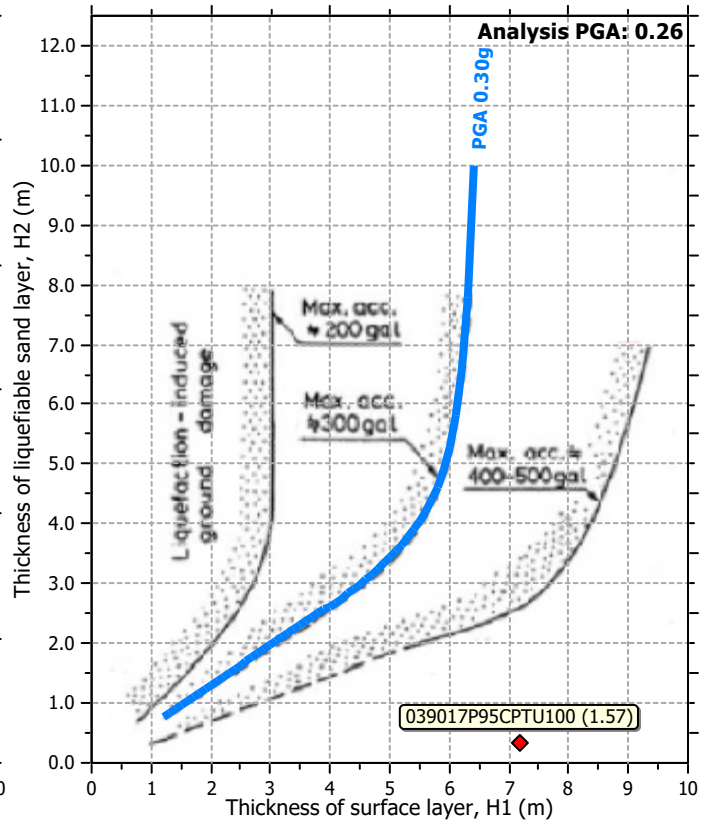
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



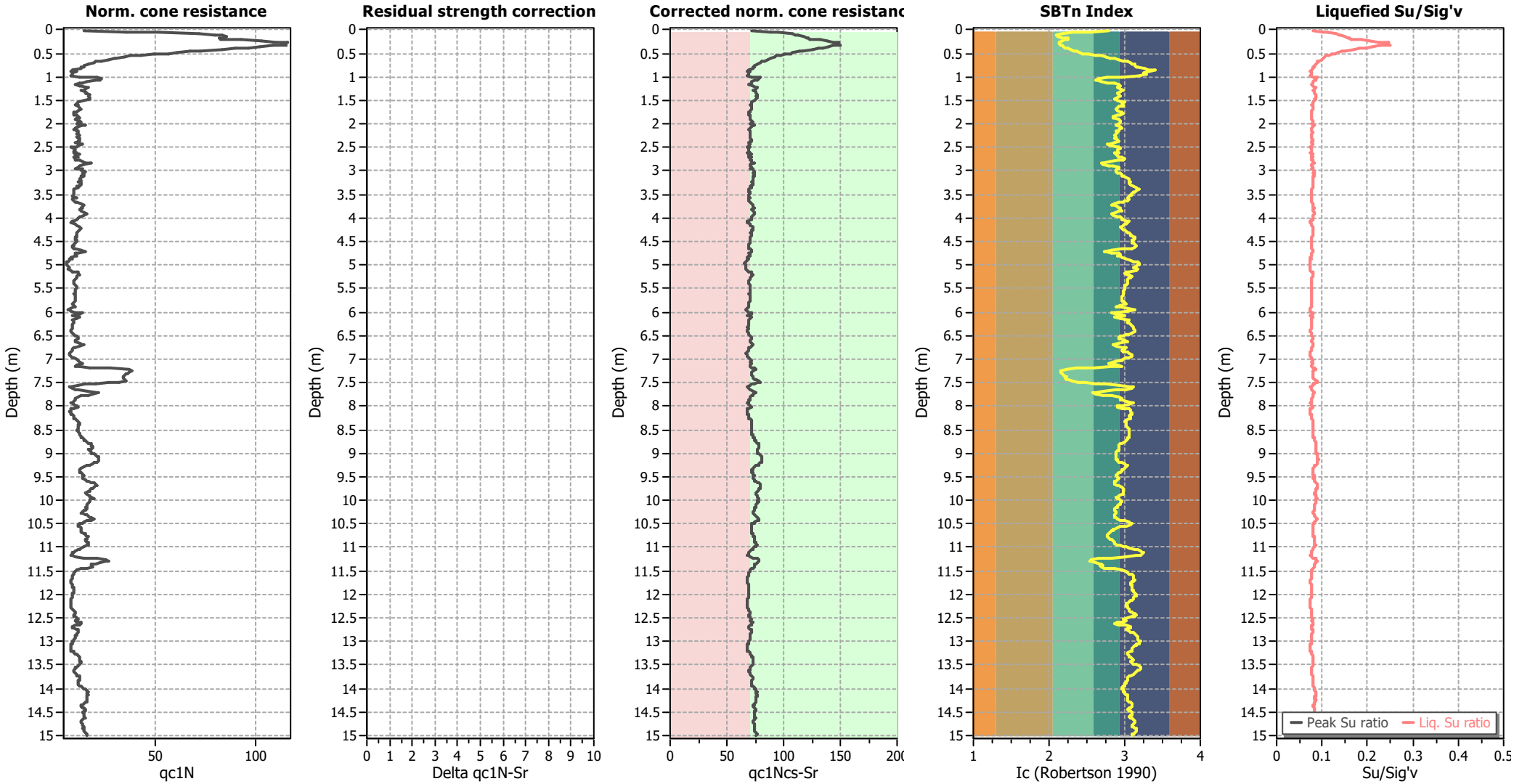




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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	0.34	0.66	0.35	0.02	0.08	7.20	0.37	0.63	0.36	0.02	0.08
7.22	0.39	0.61	0.38	0.02	0.08	7.24	0.39	0.61	0.38	0.02	0.08
7.26	0.38	0.62	0.37	0.02	0.08	7.28	0.38	0.62	0.37	0.02	0.08
7.30	0.38	0.62	0.37	0.02	0.08	7.32	0.38	0.62	0.37	0.02	0.08
7.34	0.38	0.62	0.37	0.02	0.08	7.36	0.38	0.62	0.37	0.02	0.08
7.38	0.38	0.62	0.37	0.02	0.08	7.40	0.38	0.62	0.37	0.02	0.08
7.42	0.38	0.62	0.37	0.02	0.08	7.44	0.39	0.61	0.38	0.02	0.08
7.46	0.40	0.60	0.38	0.02	0.08	7.48	0.39	0.61	0.38	0.02	0.08
7.50	0.37	0.63	0.37	0.02	0.08	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	0.36	0.64	0.36	0.02	0.08
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	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	0.39	0.61	0.38	0.02	0.05	11.28	0.39	0.61	0.38	0.02	0.05
11.30	0.39	0.61	0.37	0.02	0.05	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

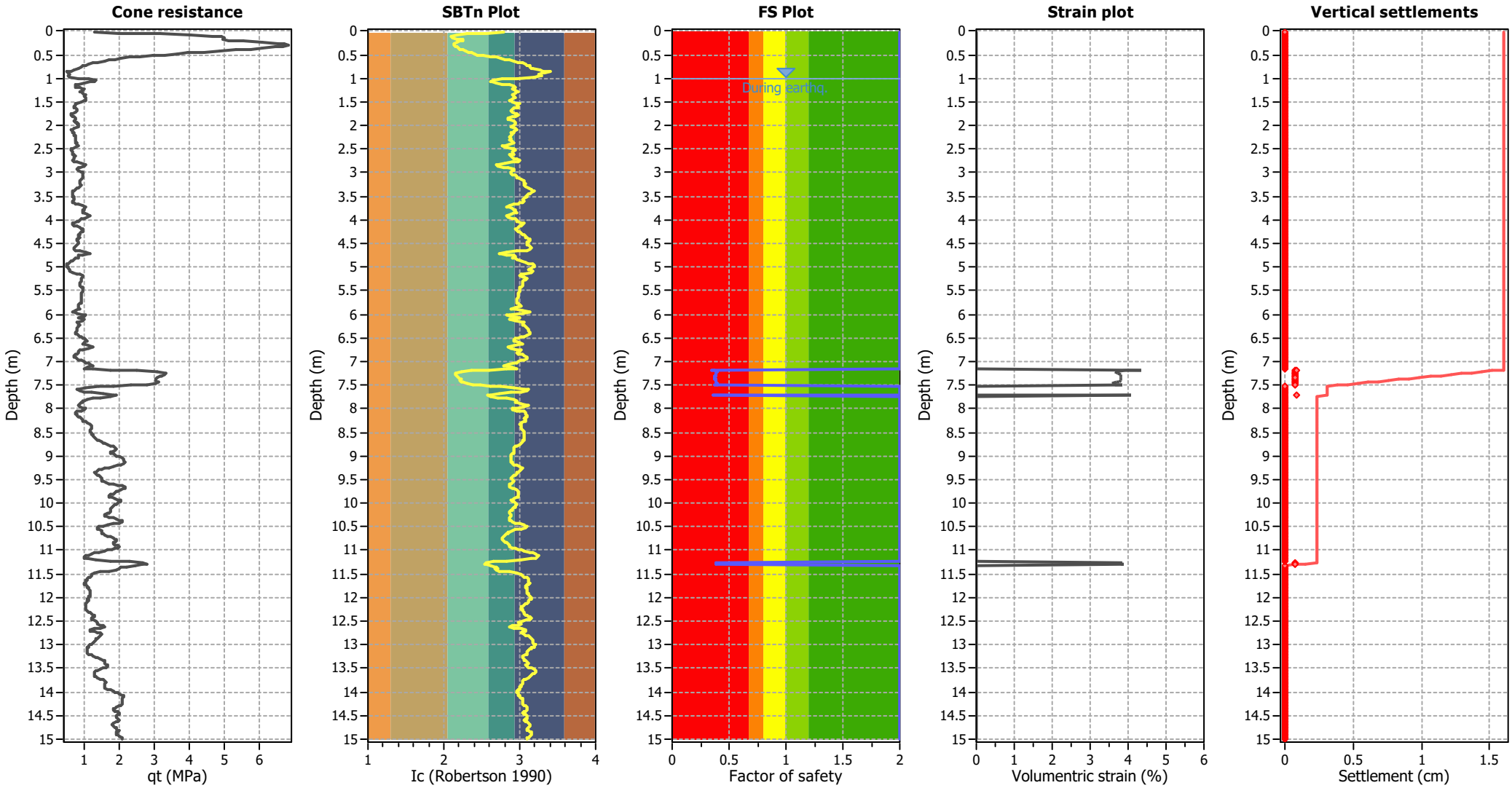
Overall liquefaction potential: 1.57

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

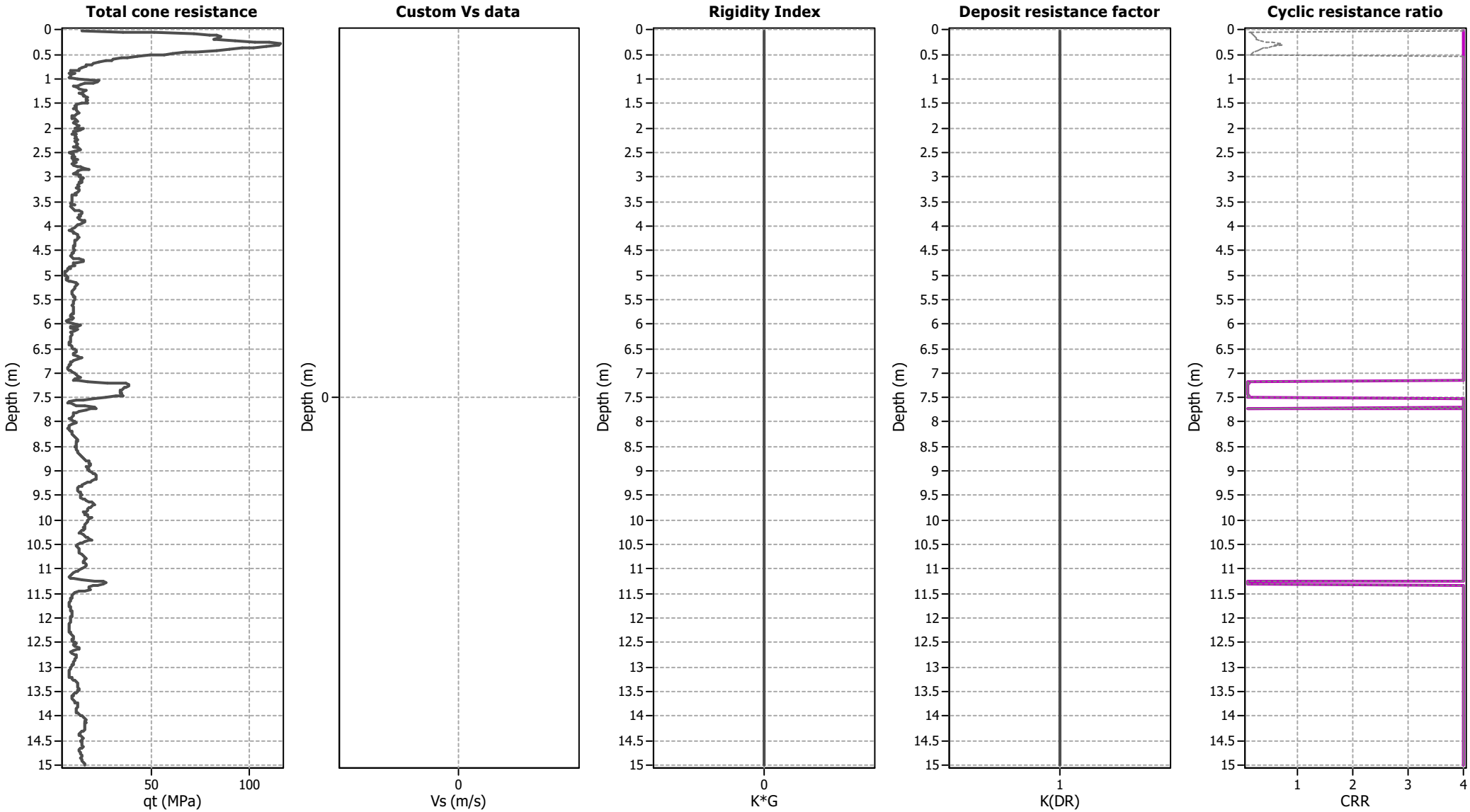
Estimation of post-earthquake settlements



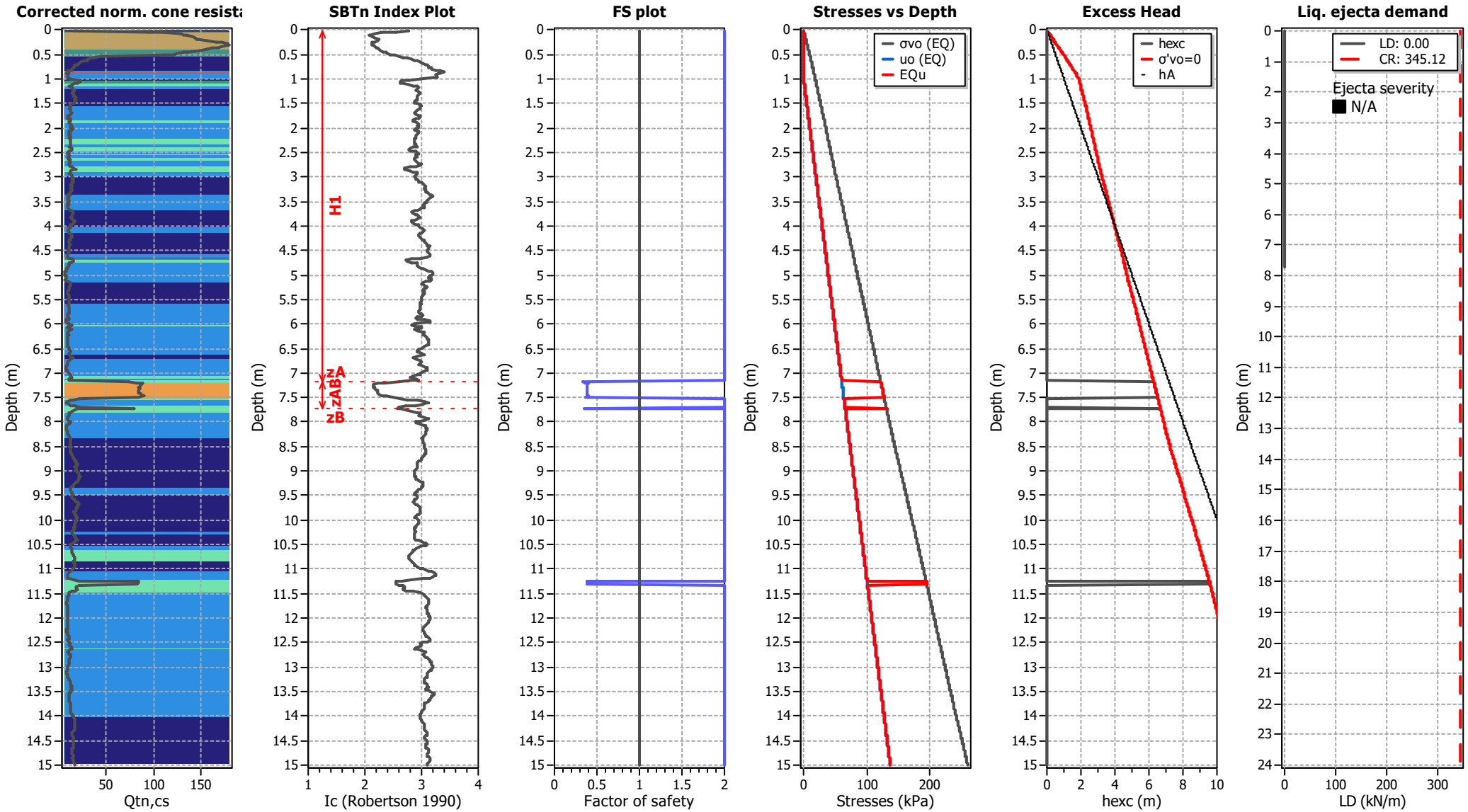
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



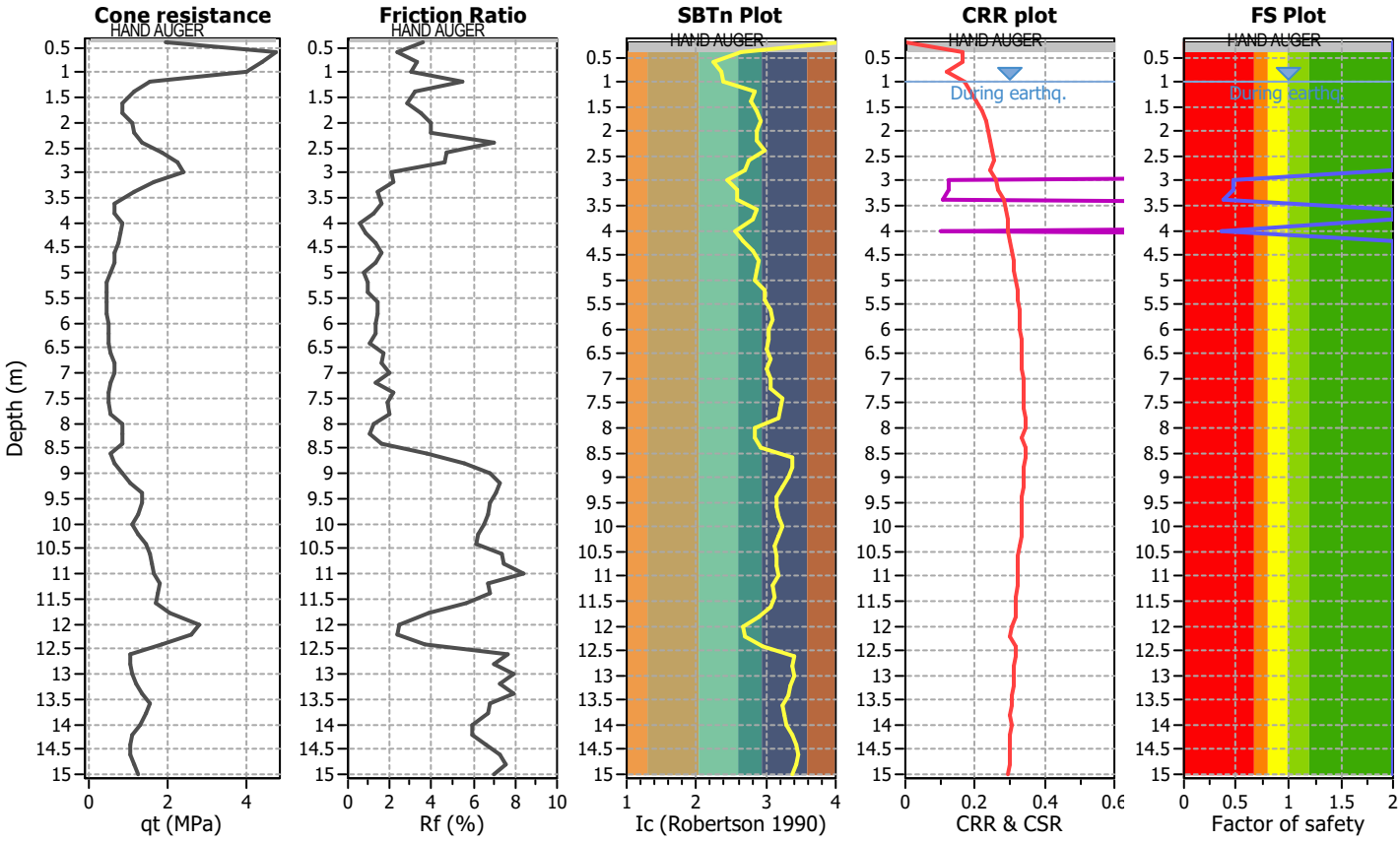
LIQUEFACTION ANALYSIS REPORT

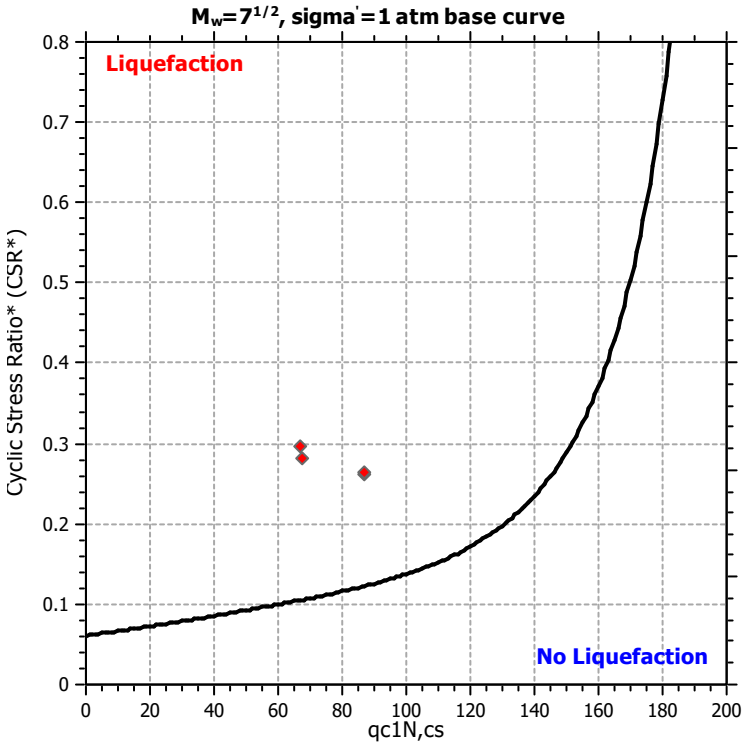
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,26**

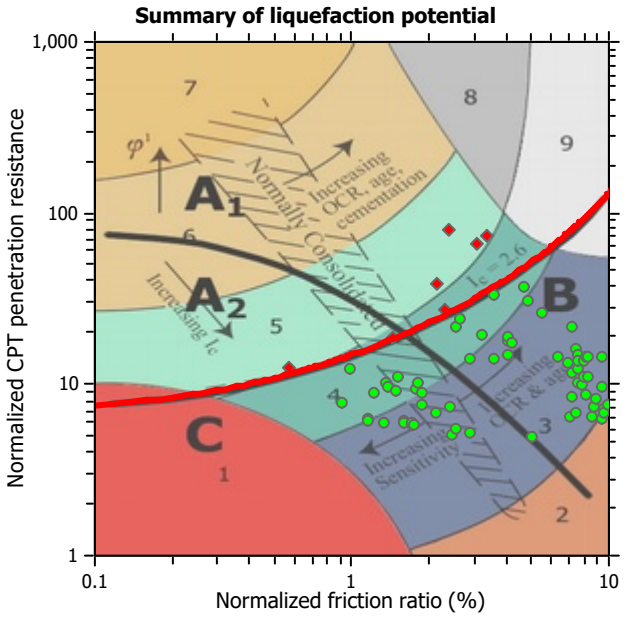
CPT file : 039017P6CPT6

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

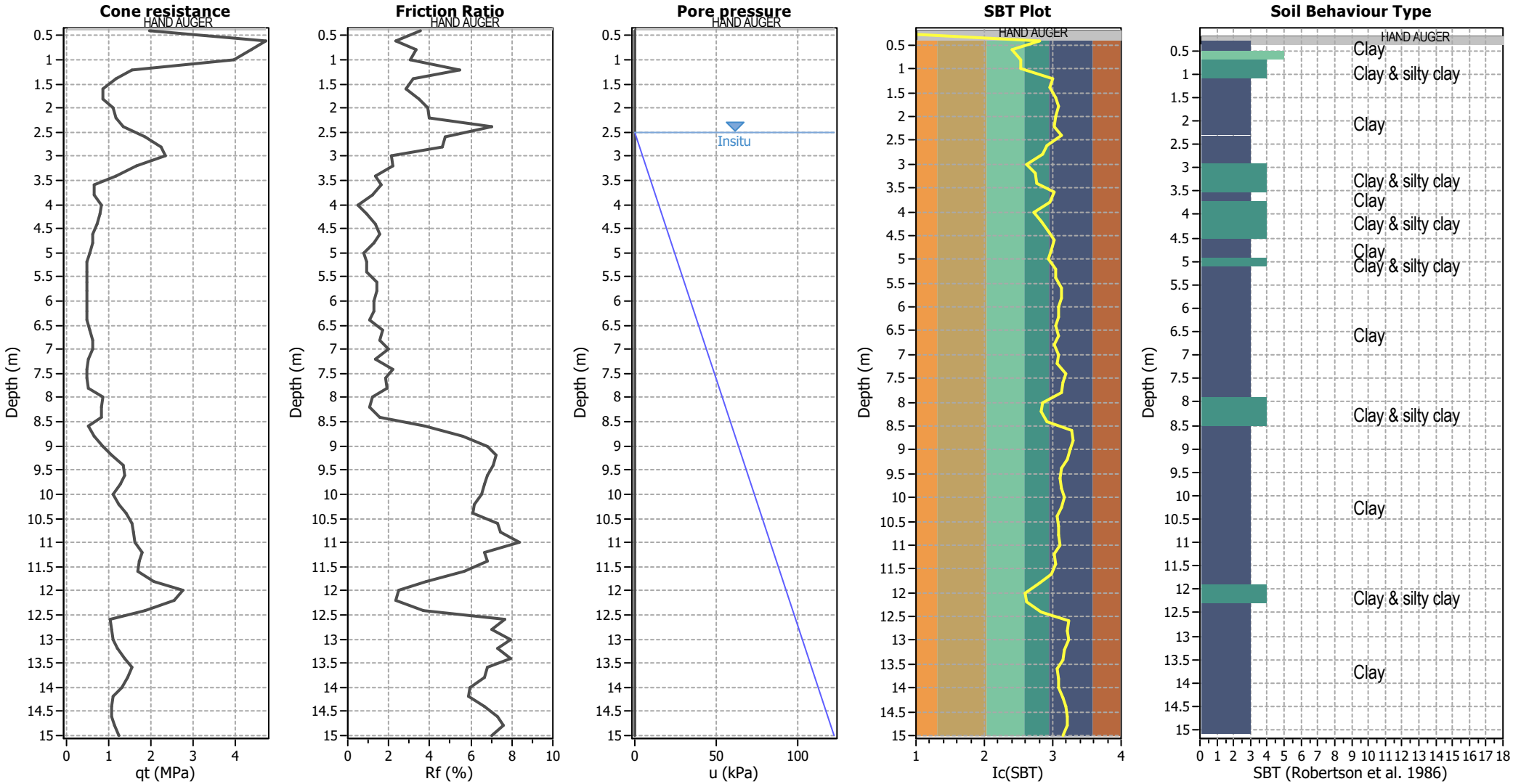






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



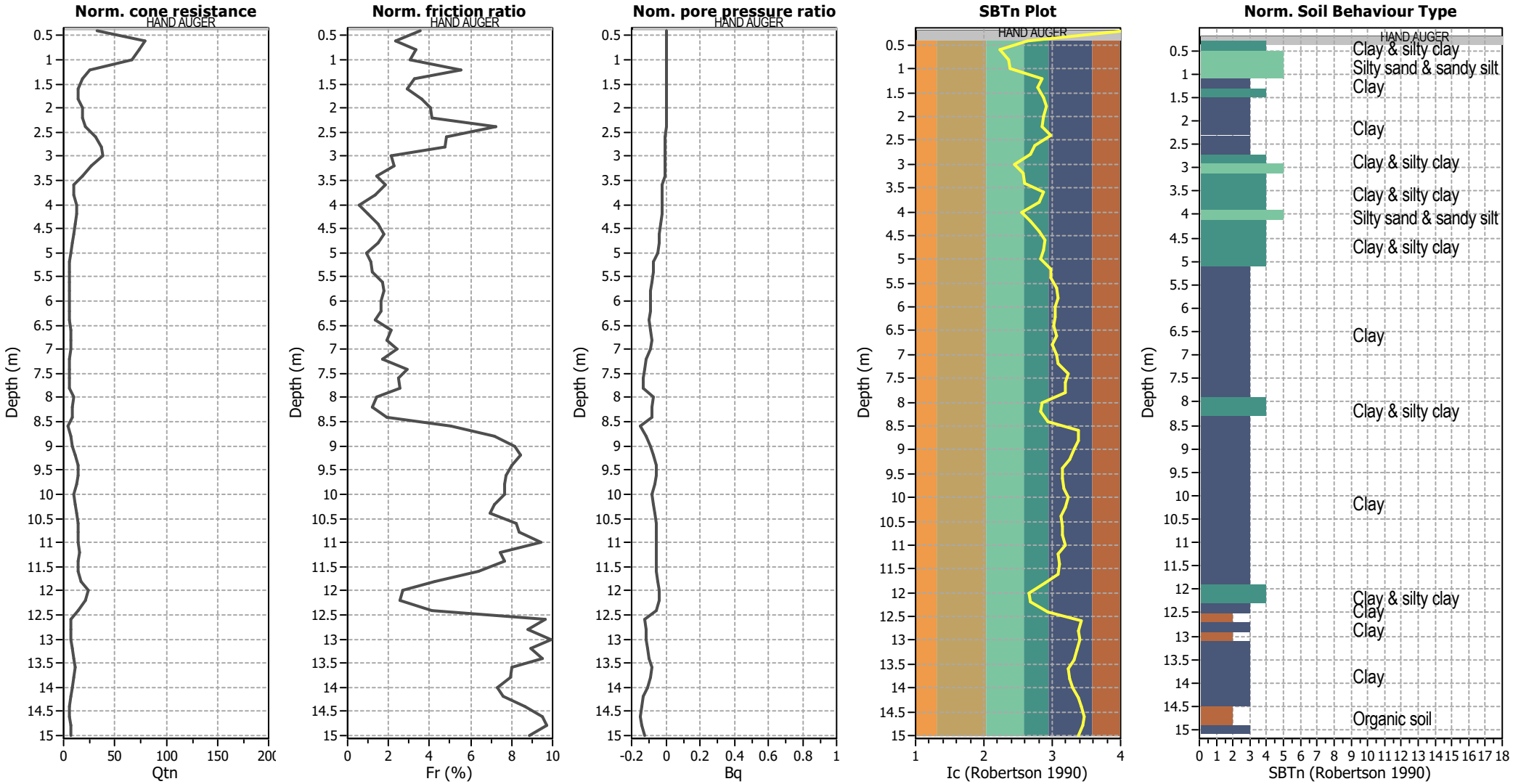
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



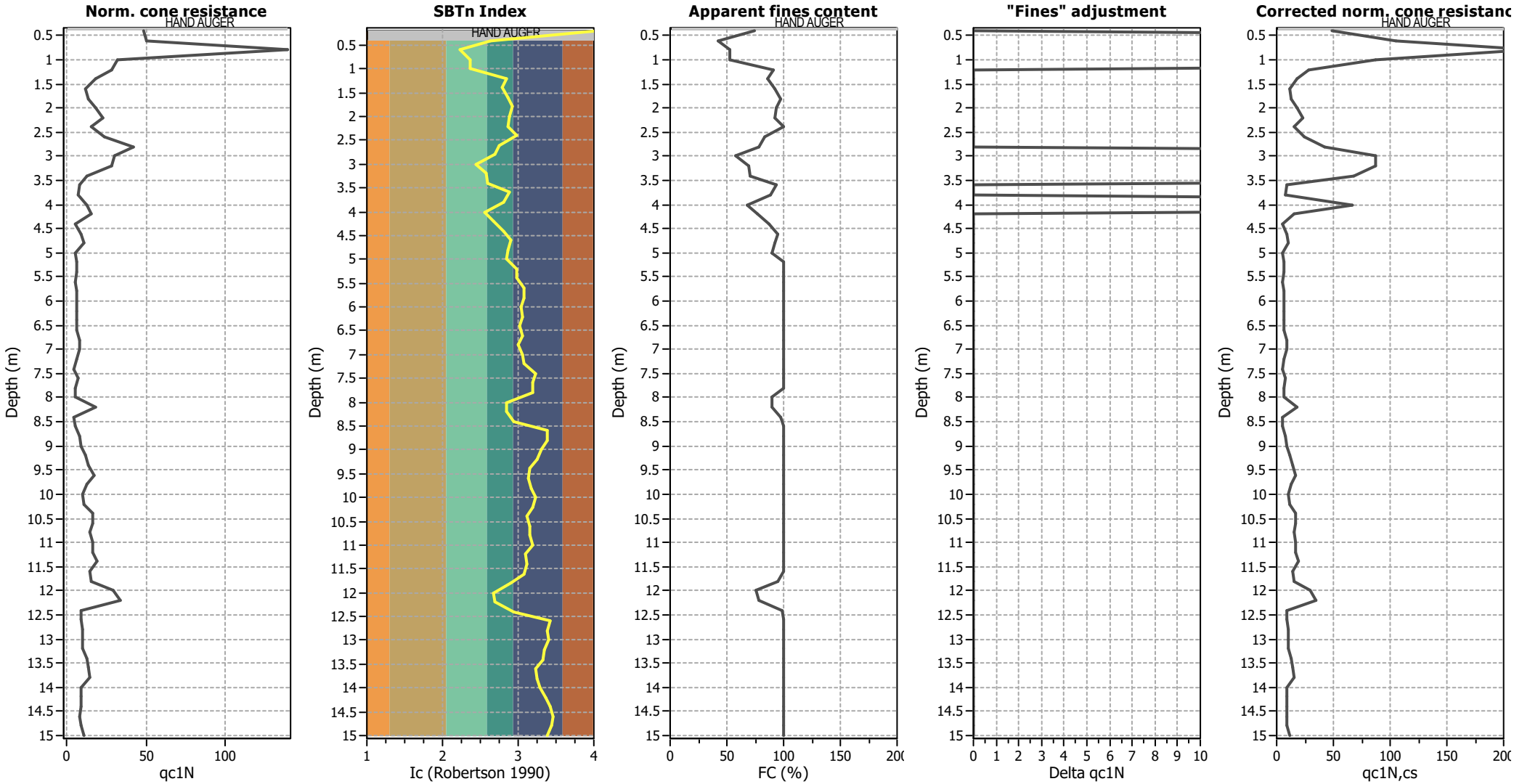
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

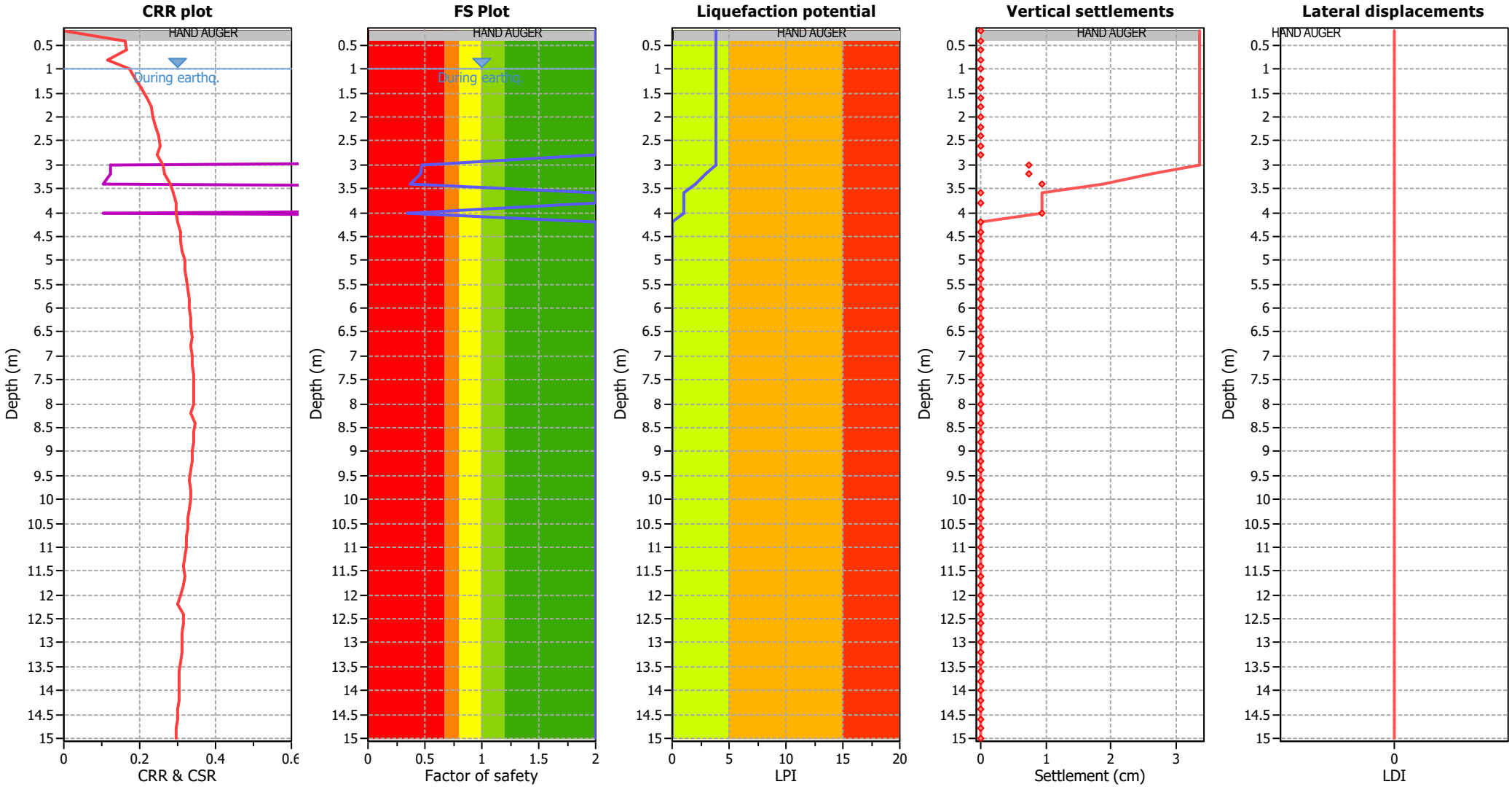
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

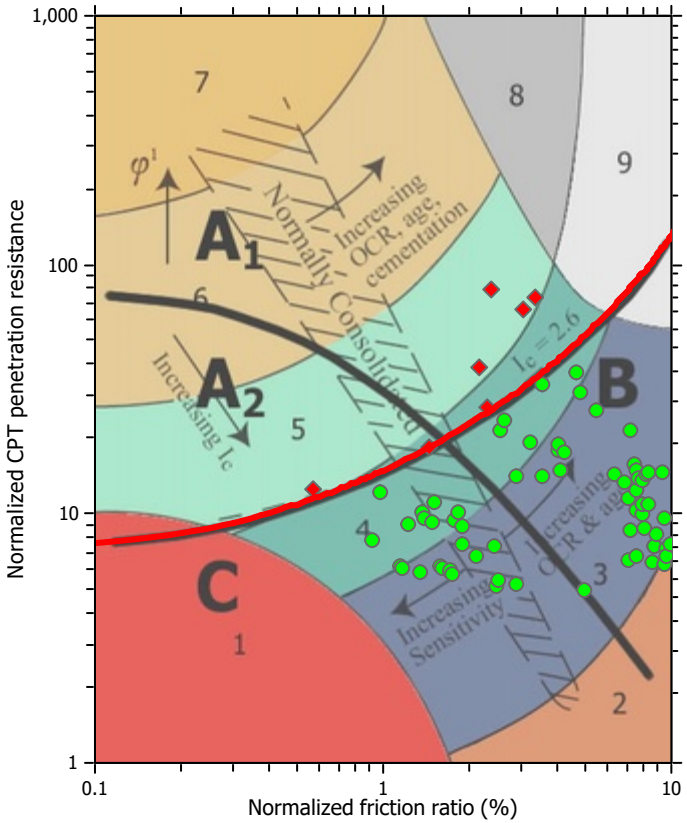
F.S. color scheme

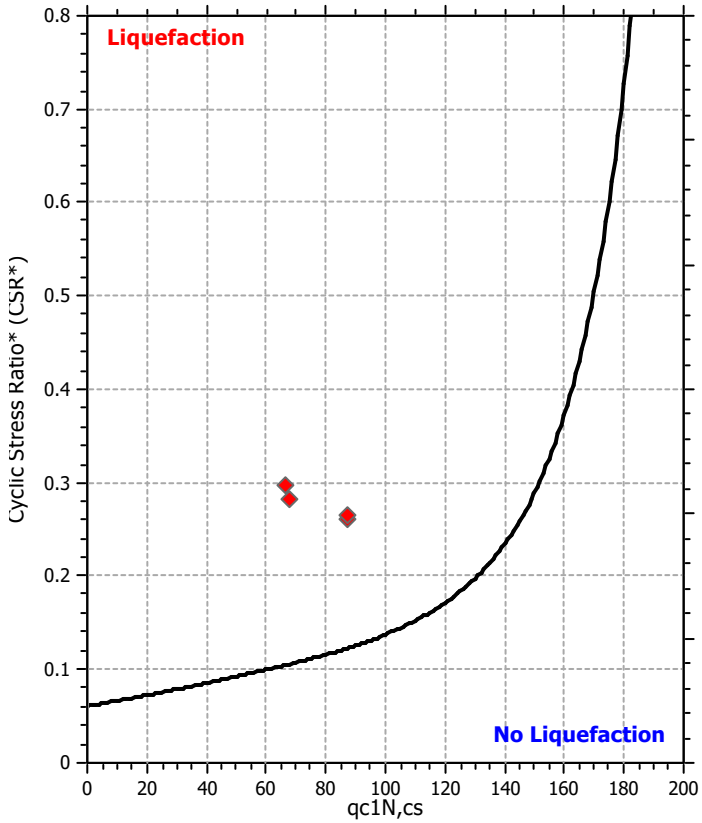
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

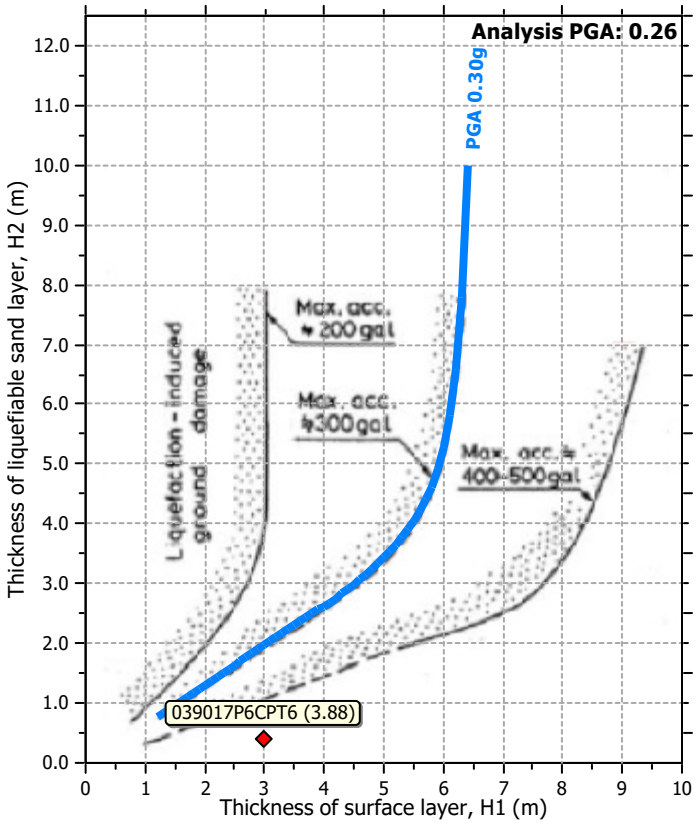
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



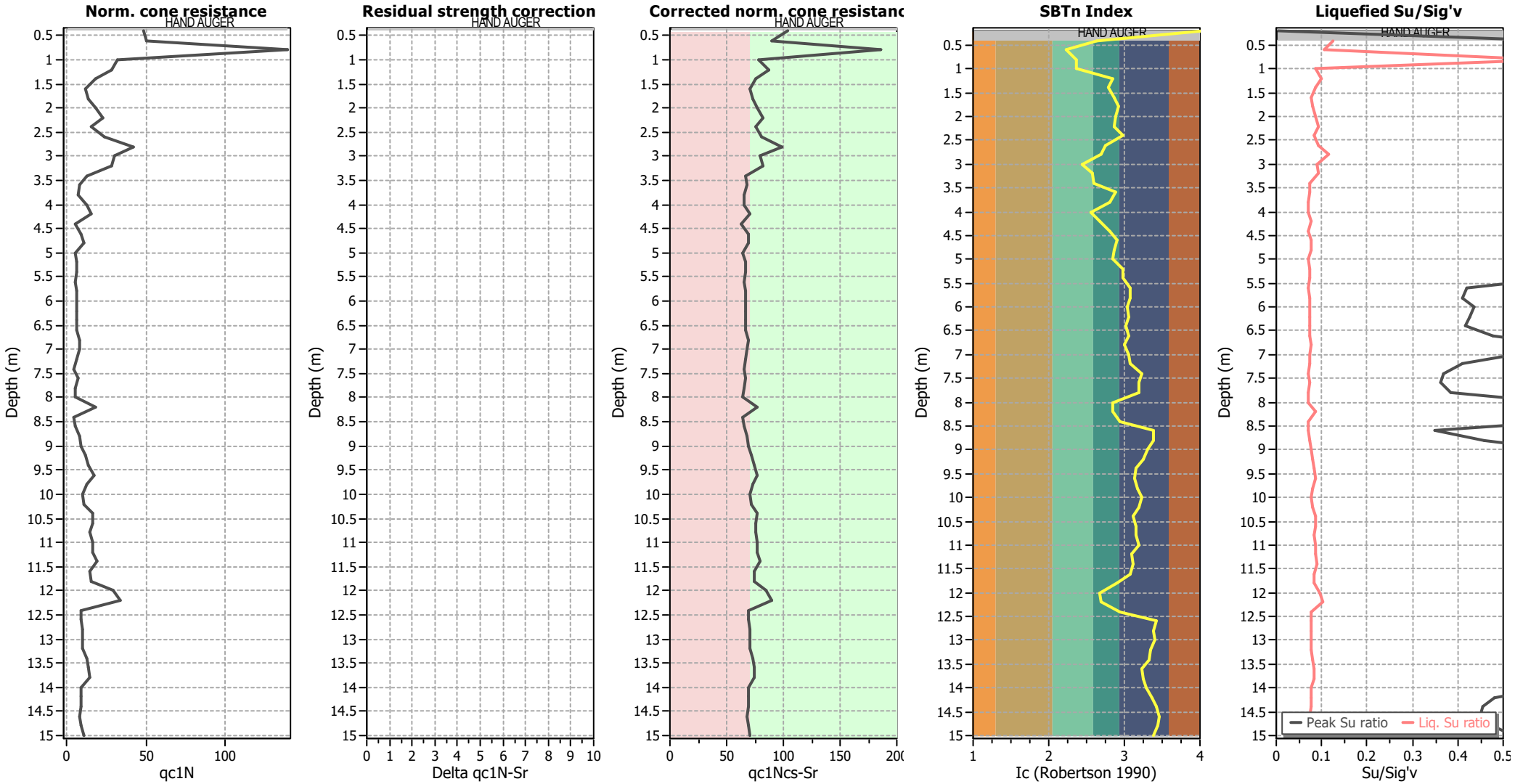




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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}
0.20	2.00	0.00	0.00	0.00	0.00	0.40	2.00	0.00	0.00	0.20	0.00
0.60	2.00	0.00	0.00	0.20	0.00	0.80	2.00	0.00	0.00	0.20	0.00
1.00	2.00	0.00	0.00	0.20	0.00	1.20	2.00	0.00	0.00	0.20	0.00
1.40	2.00	0.00	0.00	0.20	0.00	1.60	2.00	0.00	0.00	0.20	0.00
1.80	2.00	0.00	0.00	0.20	0.00	2.00	2.00	0.00	0.00	0.20	0.00
2.20	2.00	0.00	0.00	0.20	0.00	2.40	2.00	0.00	0.00	0.20	0.00
2.60	2.00	0.00	0.00	0.20	0.00	2.80	2.00	0.00	0.00	0.20	0.00
3.00	0.47	0.53	0.45	0.20	0.90	3.20	0.46	0.54	0.44	0.20	0.90
3.40	0.37	0.63	0.37	0.20	1.04	3.60	2.00	0.00	0.00	0.20	0.00
3.80	2.00	0.00	0.00	0.20	0.00	4.00	0.35	0.65	0.35	0.20	1.04
4.20	2.00	0.00	0.00	0.20	0.00	4.40	2.00	0.00	0.00	0.20	0.00
4.60	2.00	0.00	0.00	0.20	0.00	4.80	2.00	0.00	0.00	0.20	0.00
5.00	2.00	0.00	0.00	0.20	0.00	5.20	2.00	0.00	0.00	0.20	0.00
5.40	2.00	0.00	0.00	0.20	0.00	5.60	2.00	0.00	0.00	0.20	0.00
5.80	2.00	0.00	0.00	0.20	0.00	6.00	2.00	0.00	0.00	0.20	0.00
6.20	2.00	0.00	0.00	0.20	0.00	6.40	2.00	0.00	0.00	0.20	0.00
6.60	2.00	0.00	0.00	0.20	0.00	6.80	2.00	0.00	0.00	0.20	0.00
7.00	2.00	0.00	0.00	0.20	0.00	7.20	2.00	0.00	0.00	0.20	0.00
7.40	2.00	0.00	0.00	0.20	0.00	7.60	2.00	0.00	0.00	0.20	0.00
7.80	2.00	0.00	0.00	0.20	0.00	8.00	2.00	0.00	0.00	0.20	0.00
8.20	2.00	0.00	0.00	0.20	0.00	8.40	2.00	0.00	0.00	0.20	0.00
8.60	2.00	0.00	0.00	0.20	0.00	8.80	2.00	0.00	0.00	0.20	0.00
9.00	2.00	0.00	0.00	0.20	0.00	9.20	2.00	0.00	0.00	0.20	0.00
9.40	2.00	0.00	0.00	0.20	0.00	9.60	2.00	0.00	0.00	0.20	0.00
9.80	2.00	0.00	0.00	0.20	0.00	10.00	2.00	0.00	0.00	0.20	0.00
10.20	2.00	0.00	0.00	0.20	0.00	10.40	2.00	0.00	0.00	0.20	0.00
10.60	2.00	0.00	0.00	0.20	0.00	10.80	2.00	0.00	0.00	0.20	0.00
11.00	2.00	0.00	0.00	0.20	0.00	11.20	2.00	0.00	0.00	0.20	0.00
11.40	2.00	0.00	0.00	0.20	0.00	11.60	2.00	0.00	0.00	0.20	0.00
11.80	2.00	0.00	0.00	0.20	0.00	12.00	2.00	0.00	0.00	0.20	0.00
12.20	2.00	0.00	0.00	0.20	0.00	12.40	2.00	0.00	0.00	0.20	0.00
12.60	2.00	0.00	0.00	0.20	0.00	12.80	2.00	0.00	0.00	0.20	0.00
13.00	2.00	0.00	0.00	0.20	0.00	13.20	2.00	0.00	0.00	0.20	0.00
13.40	2.00	0.00	0.00	0.20	0.00	13.60	2.00	0.00	0.00	0.20	0.00
13.80	2.00	0.00	0.00	0.20	0.00	14.00	2.00	0.00	0.00	0.20	0.00
14.20	2.00	0.00	0.00	0.20	0.00	14.40	2.00	0.00	0.00	0.20	0.00
14.60	2.00	0.00	0.00	0.20	0.00	14.80	2.00	0.00	0.00	0.20	0.00
15.00	2.00	0.00	0.00	0.20	0.00						

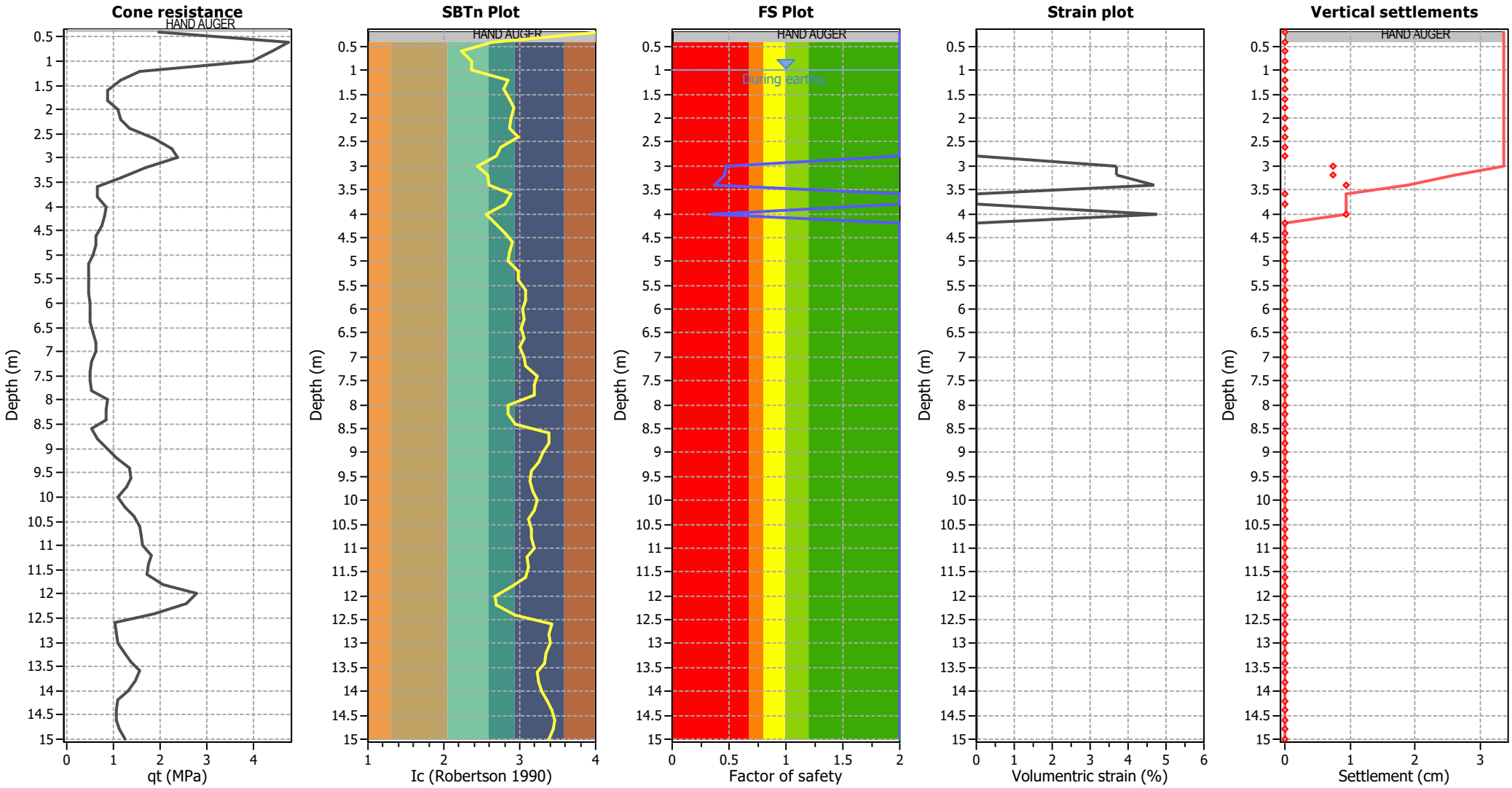
Overall liquefaction potential: 3.88

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

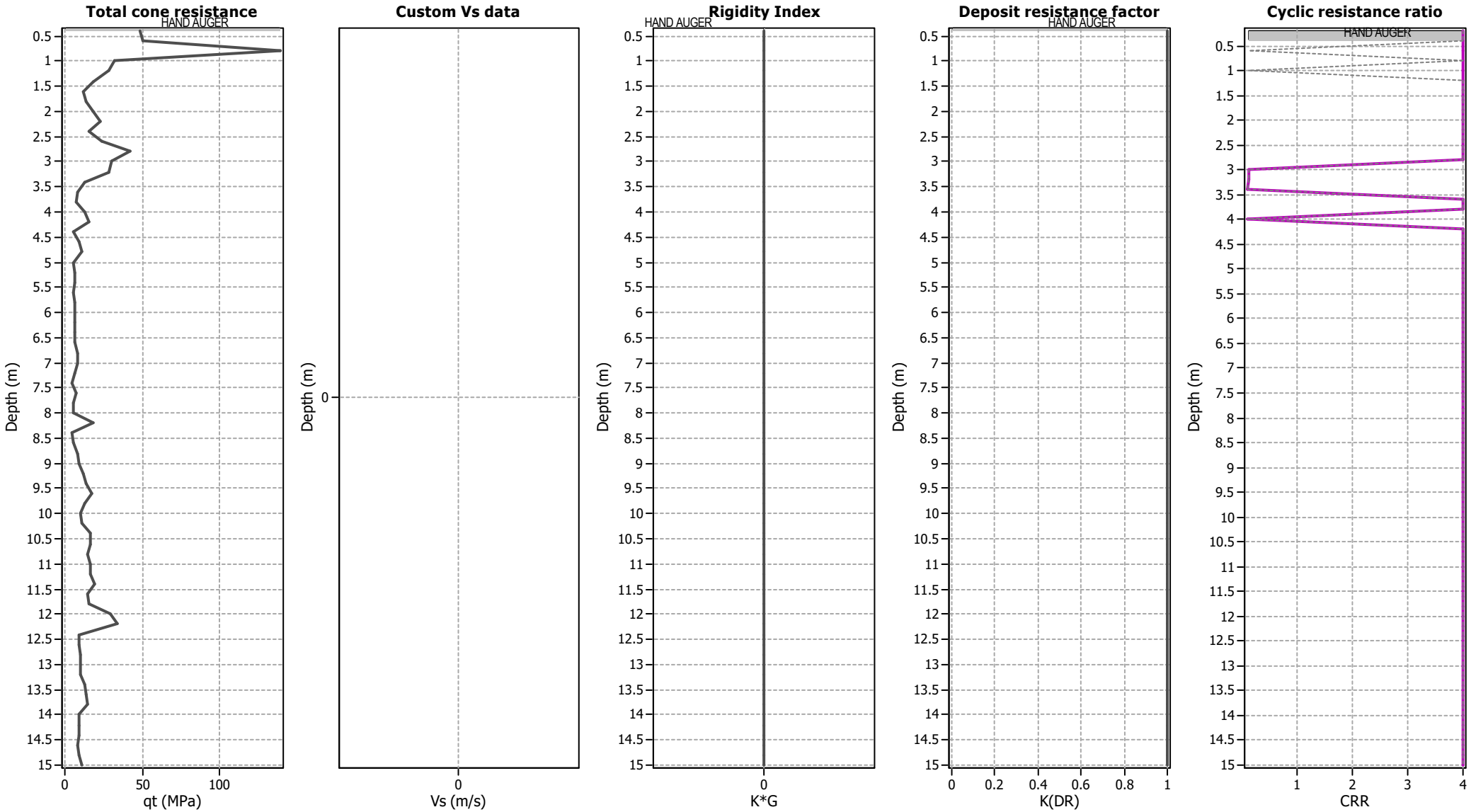
Estimation of post-earthquake settlements



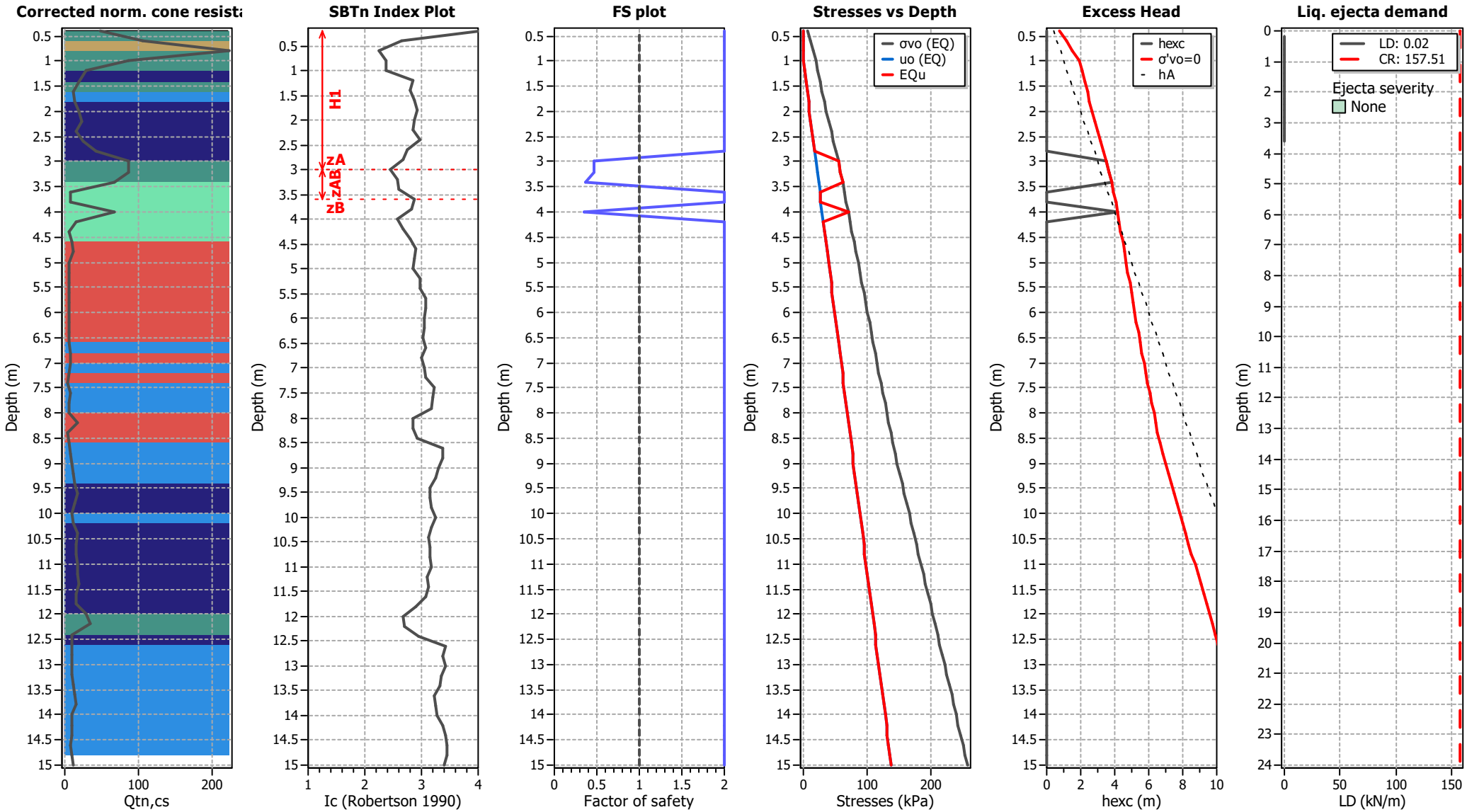
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



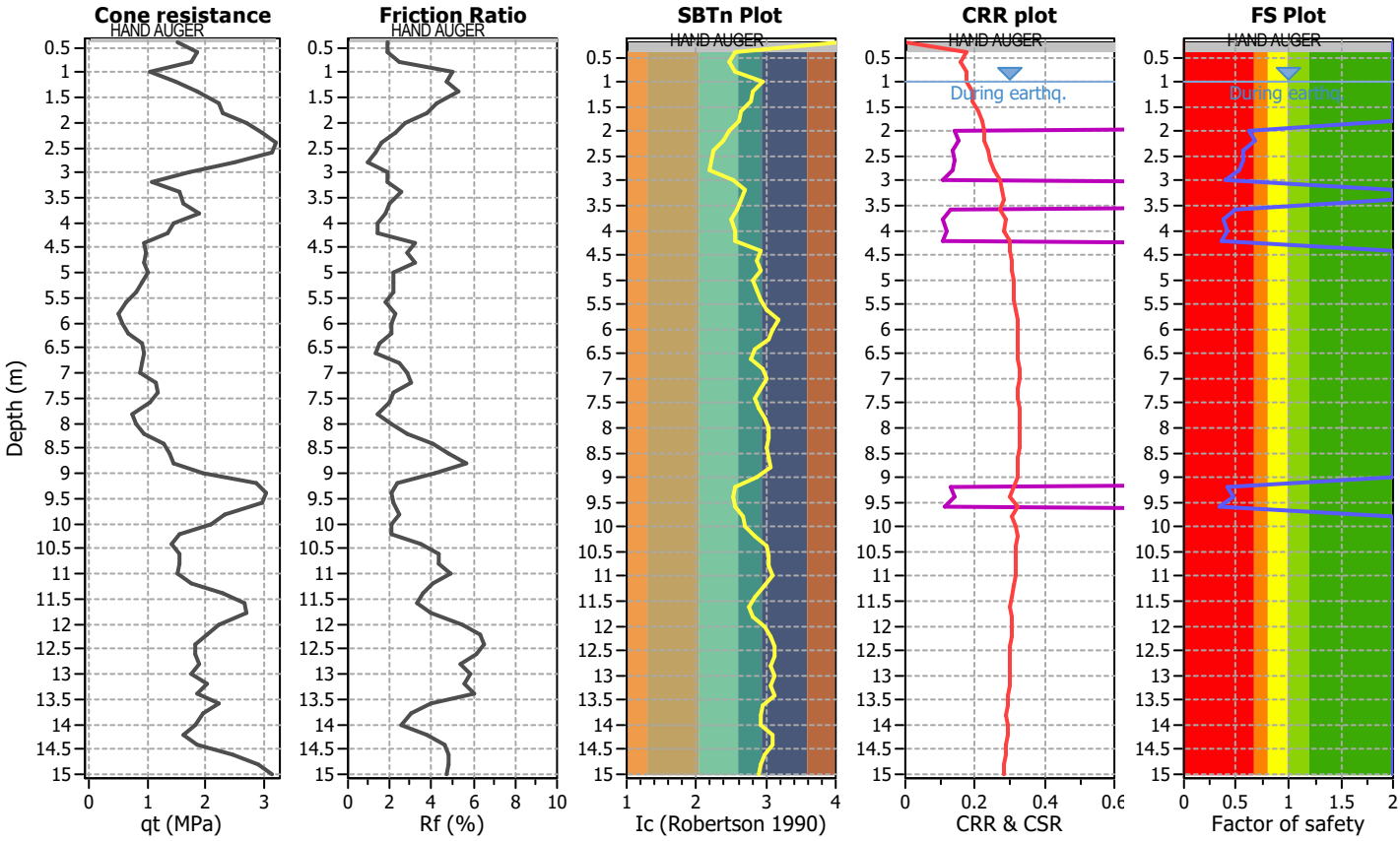
LIQUEFACTION ANALYSIS REPORT

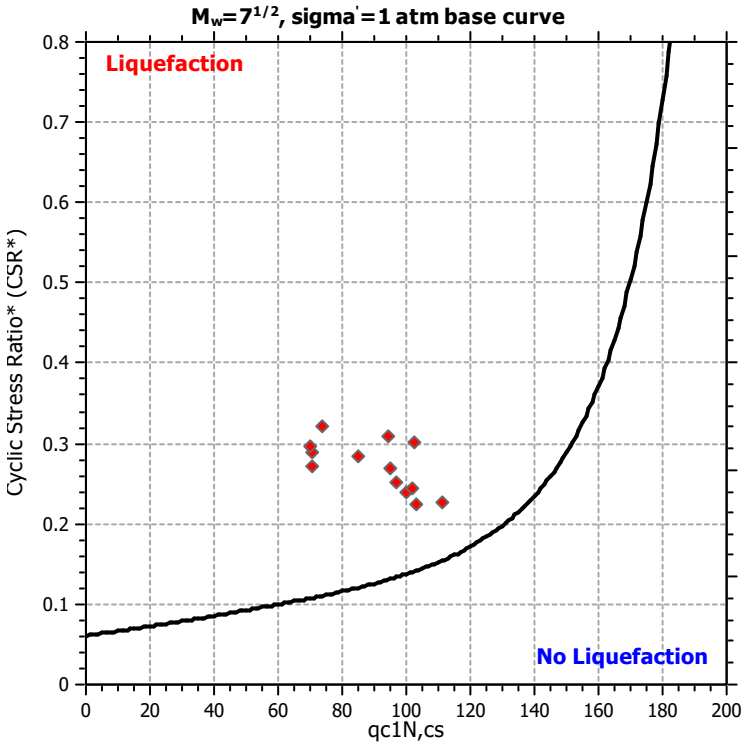
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,26**

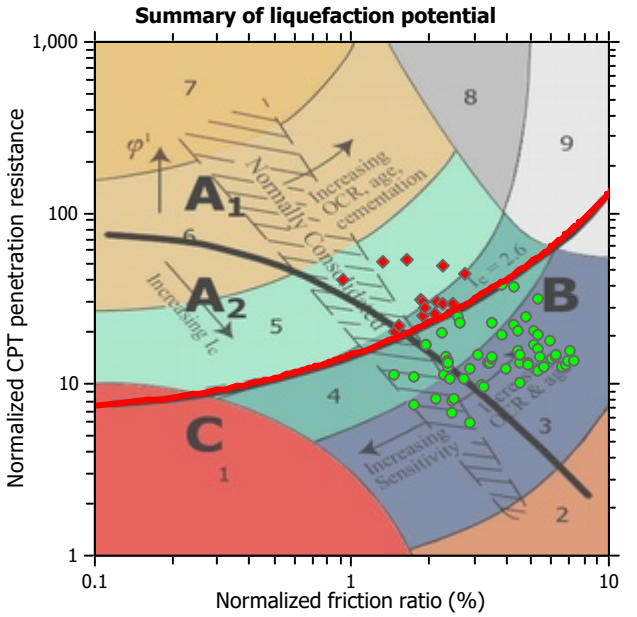
CPT file : 039017P7CPT7

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

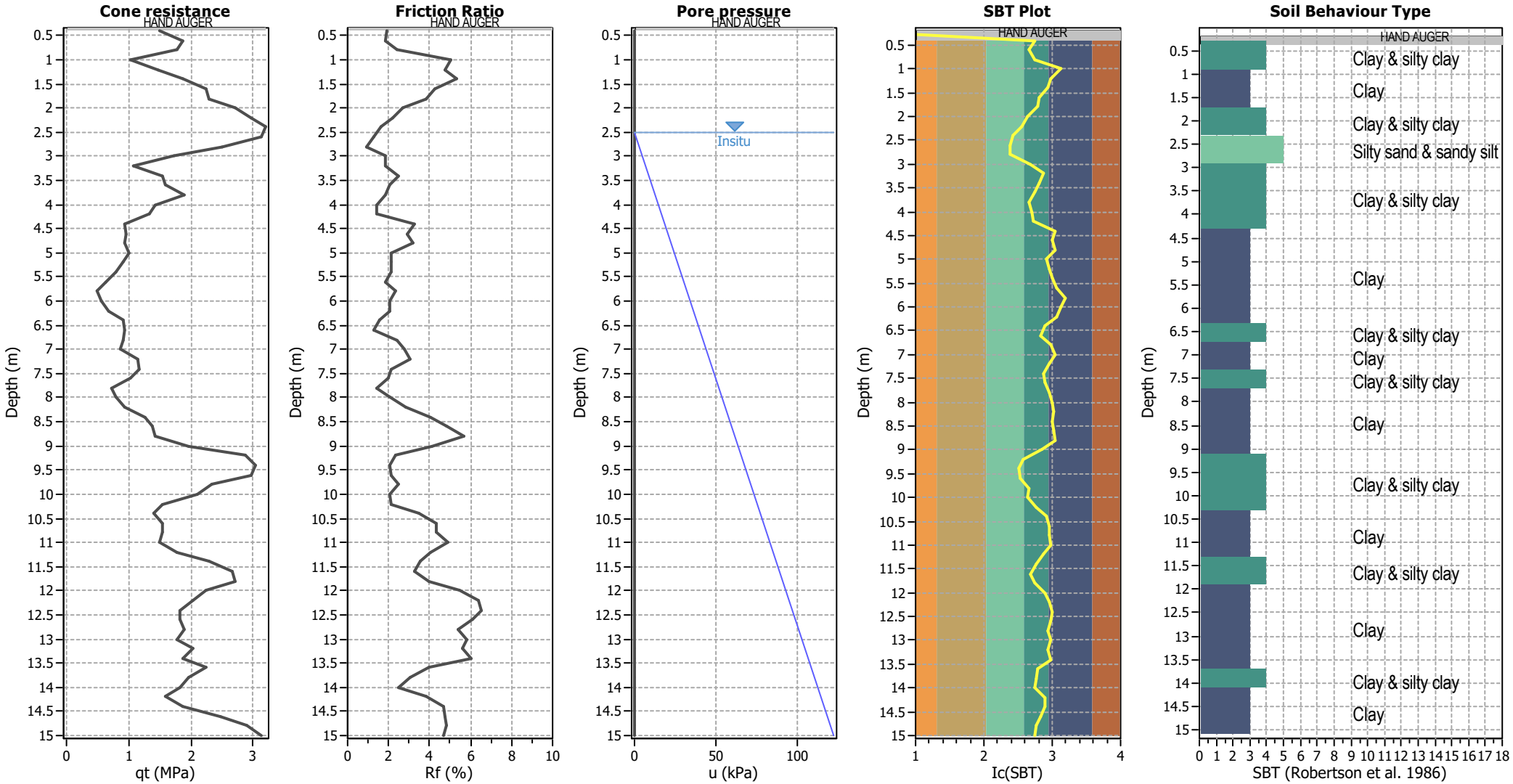






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



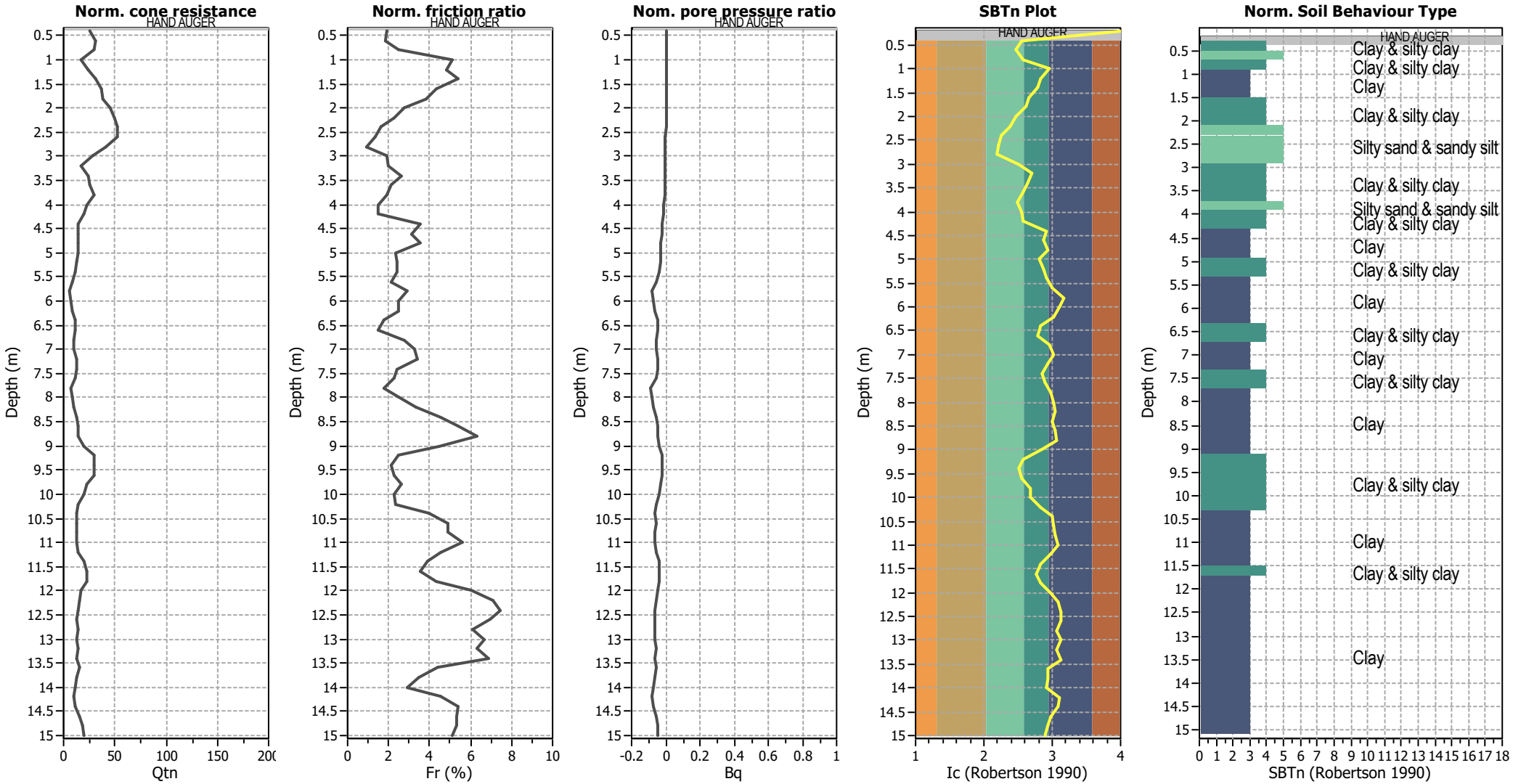
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



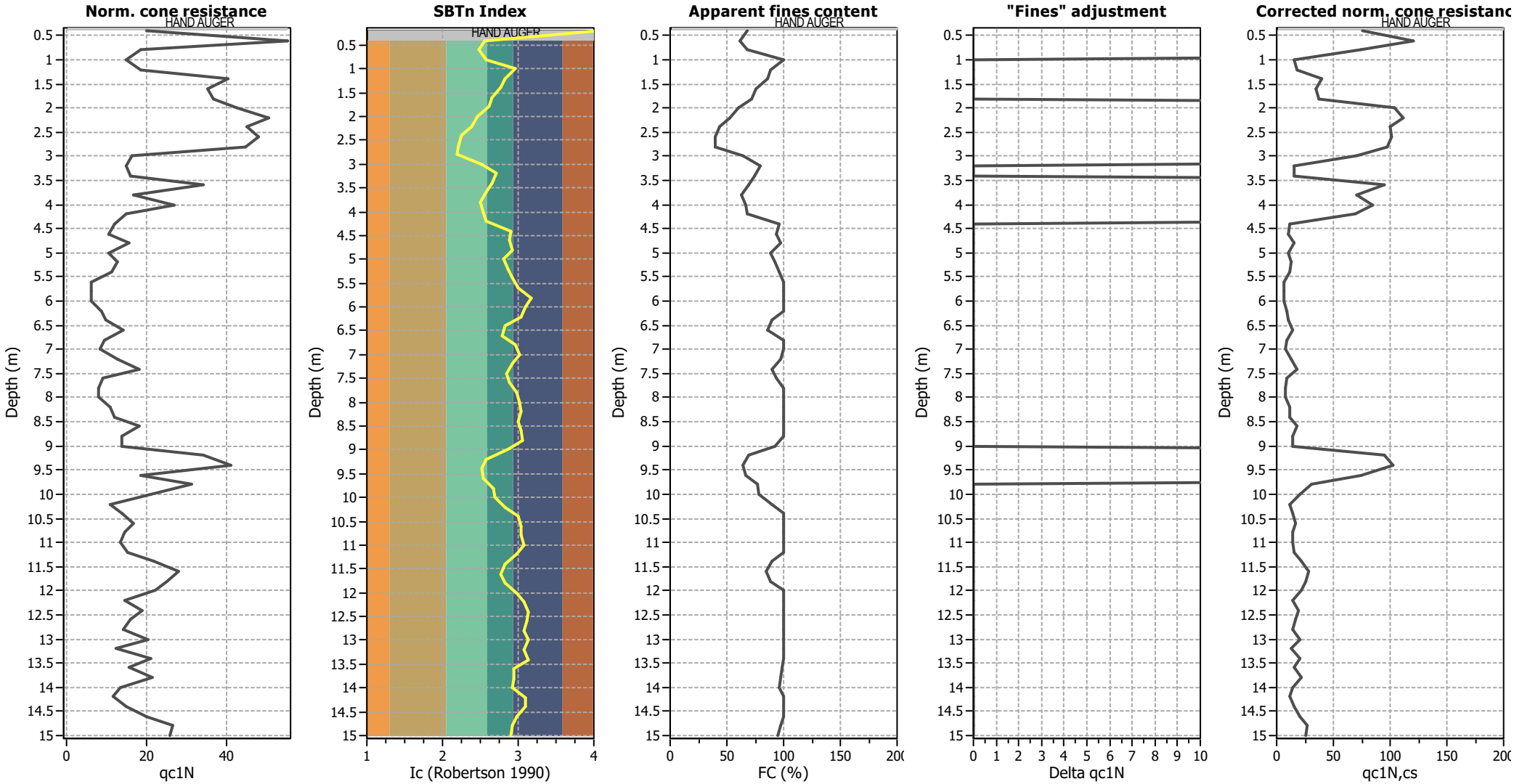
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

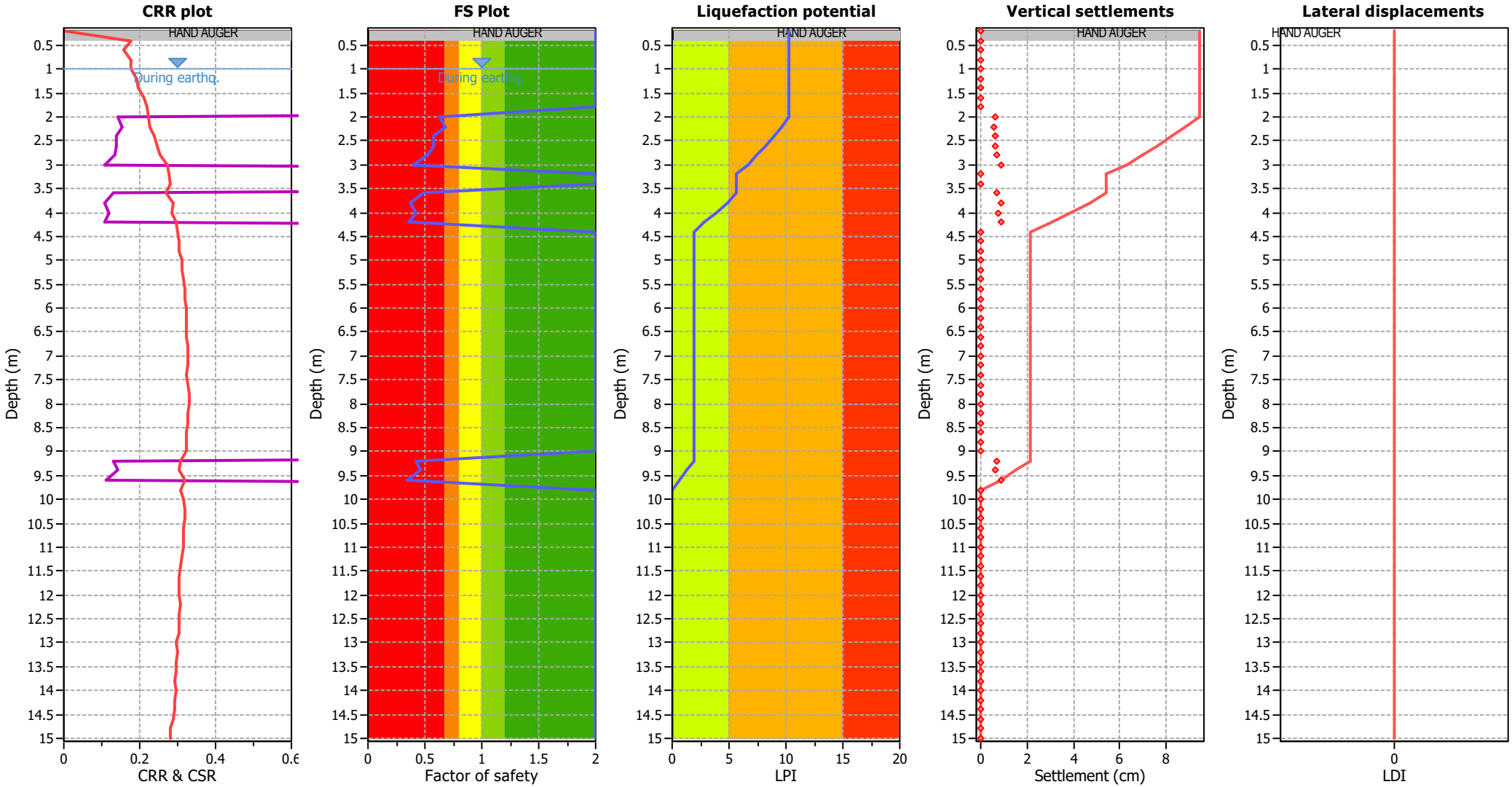
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

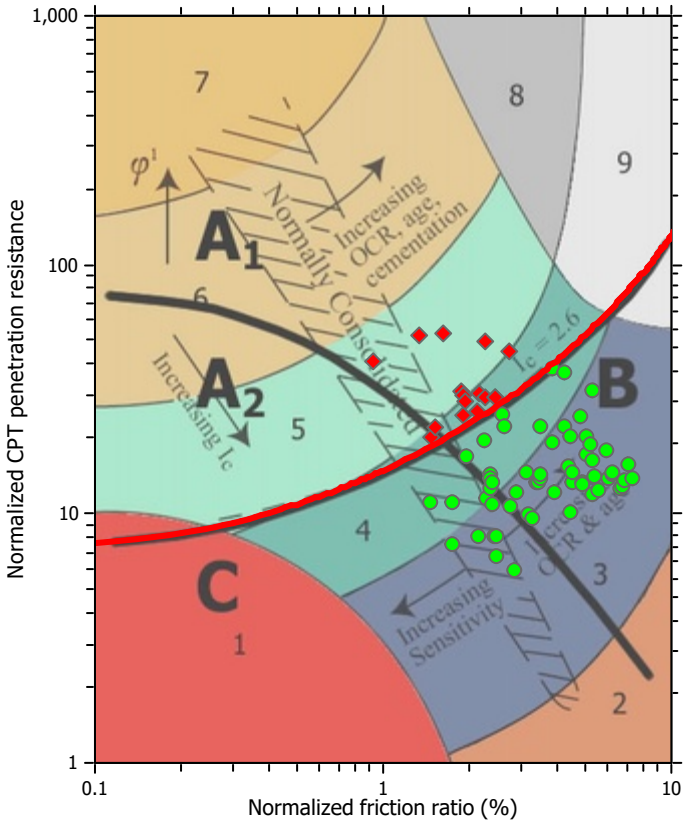
F.S. color scheme

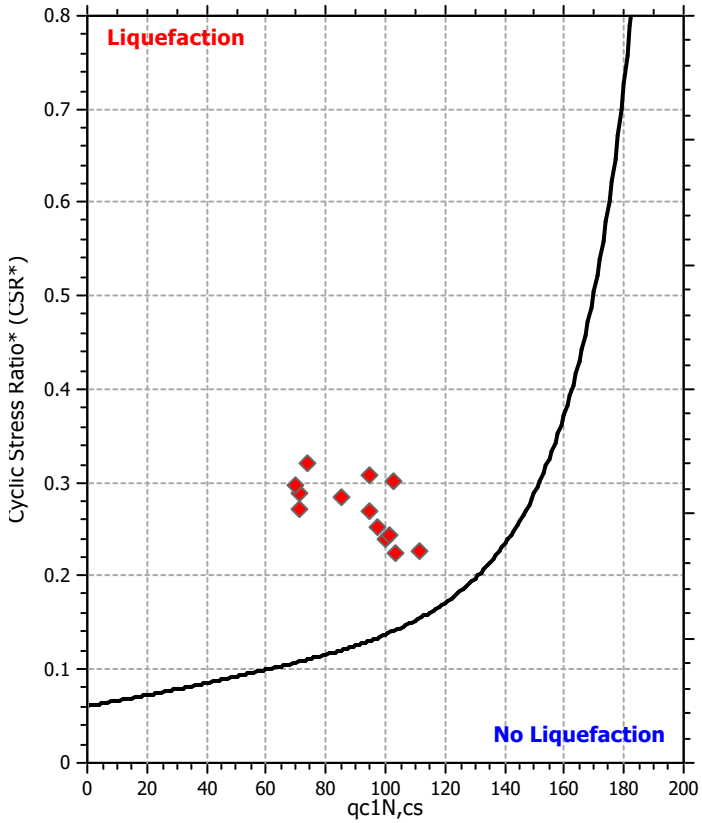
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

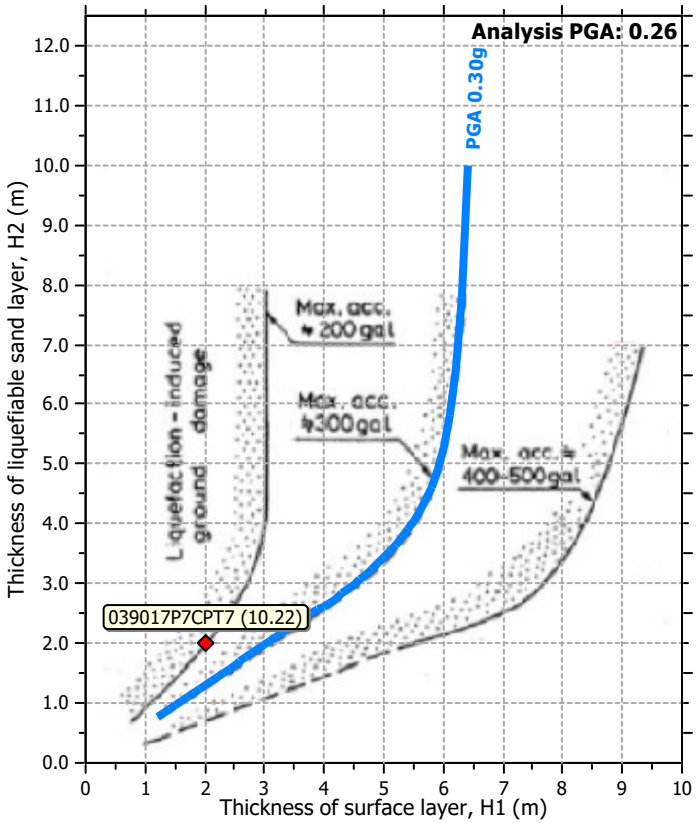
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



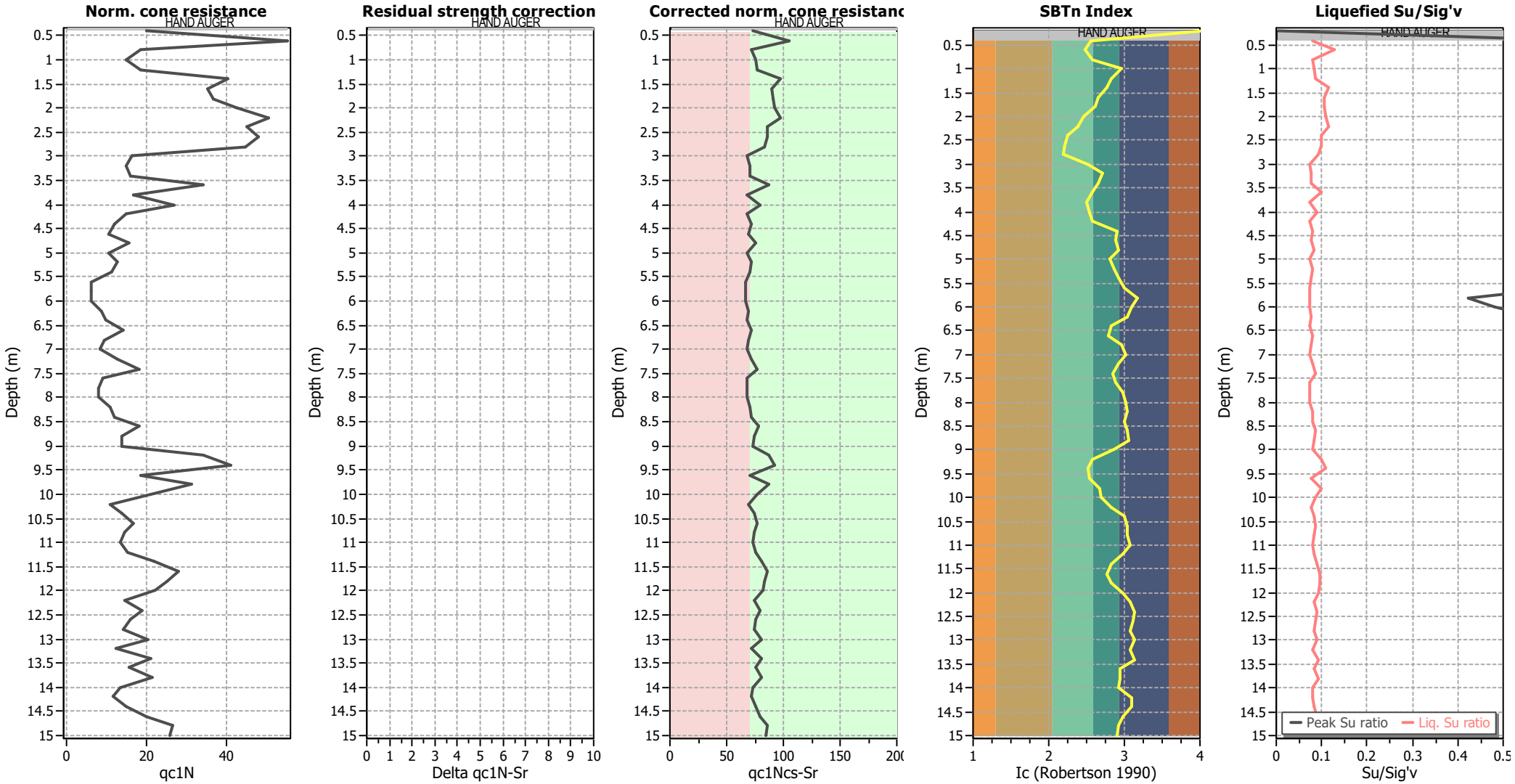




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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}
0.20	2.00	0.00	0.00	0.00	0.00	0.40	2.00	0.00	0.00	0.20	0.00
0.60	2.00	0.00	0.00	0.20	0.00	0.80	2.00	0.00	0.00	0.20	0.00
1.00	2.00	0.00	0.00	0.20	0.00	1.20	2.00	0.00	0.00	0.20	0.00
1.40	2.00	0.00	0.00	0.20	0.00	1.60	2.00	0.00	0.00	0.20	0.00
1.80	2.00	0.00	0.00	0.20	0.00	2.00	0.63	0.37	0.70	0.20	0.66
2.20	0.68	0.32	0.85	0.20	0.56	2.40	0.57	0.43	0.58	0.20	0.75
2.60	0.57	0.43	0.58	0.20	0.75	2.80	0.53	0.47	0.52	0.20	0.81
3.00	0.40	0.60	0.38	0.20	1.02	3.20	2.00	0.00	0.00	0.20	0.00
3.40	2.00	0.00	0.00	0.20	0.00	3.60	0.48	0.52	0.46	0.20	0.84
3.80	0.37	0.63	0.37	0.20	1.02	4.00	0.42	0.58	0.40	0.20	0.92
4.20	0.36	0.64	0.36	0.20	1.01	4.40	2.00	0.00	0.00	0.20	0.00
4.60	2.00	0.00	0.00	0.20	0.00	4.80	2.00	0.00	0.00	0.20	0.00
5.00	2.00	0.00	0.00	0.20	0.00	5.20	2.00	0.00	0.00	0.20	0.00
5.40	2.00	0.00	0.00	0.20	0.00	5.60	2.00	0.00	0.00	0.20	0.00
5.80	2.00	0.00	0.00	0.20	0.00	6.00	2.00	0.00	0.00	0.20	0.00
6.20	2.00	0.00	0.00	0.20	0.00	6.40	2.00	0.00	0.00	0.20	0.00
6.60	2.00	0.00	0.00	0.20	0.00	6.80	2.00	0.00	0.00	0.20	0.00
7.00	2.00	0.00	0.00	0.20	0.00	7.20	2.00	0.00	0.00	0.20	0.00
7.40	2.00	0.00	0.00	0.20	0.00	7.60	2.00	0.00	0.00	0.20	0.00
7.80	2.00	0.00	0.00	0.20	0.00	8.00	2.00	0.00	0.00	0.20	0.00
8.20	2.00	0.00	0.00	0.20	0.00	8.40	2.00	0.00	0.00	0.20	0.00
8.60	2.00	0.00	0.00	0.20	0.00	8.80	2.00	0.00	0.00	0.20	0.00
9.00	2.00	0.00	0.00	0.20	0.00	9.20	0.42	0.58	0.40	0.20	0.62
9.40	0.47	0.53	0.44	0.20	0.57	9.60	0.35	0.65	0.35	0.20	0.68
9.80	2.00	0.00	0.00	0.20	0.00	10.00	2.00	0.00	0.00	0.20	0.00
10.20	2.00	0.00	0.00	0.20	0.00	10.40	2.00	0.00	0.00	0.20	0.00
10.60	2.00	0.00	0.00	0.20	0.00	10.80	2.00	0.00	0.00	0.20	0.00
11.00	2.00	0.00	0.00	0.20	0.00	11.20	2.00	0.00	0.00	0.20	0.00
11.40	2.00	0.00	0.00	0.20	0.00	11.60	2.00	0.00	0.00	0.20	0.00
11.80	2.00	0.00	0.00	0.20	0.00	12.00	2.00	0.00	0.00	0.20	0.00
12.20	2.00	0.00	0.00	0.20	0.00	12.40	2.00	0.00	0.00	0.20	0.00
12.60	2.00	0.00	0.00	0.20	0.00	12.80	2.00	0.00	0.00	0.20	0.00
13.00	2.00	0.00	0.00	0.20	0.00	13.20	2.00	0.00	0.00	0.20	0.00
13.40	2.00	0.00	0.00	0.20	0.00	13.60	2.00	0.00	0.00	0.20	0.00
13.80	2.00	0.00	0.00	0.20	0.00	14.00	2.00	0.00	0.00	0.20	0.00
14.20	2.00	0.00	0.00	0.20	0.00	14.40	2.00	0.00	0.00	0.20	0.00
14.60	2.00	0.00	0.00	0.20	0.00	14.80	2.00	0.00	0.00	0.20	0.00
15.00	2.00	0.00	0.00	0.20	0.00						

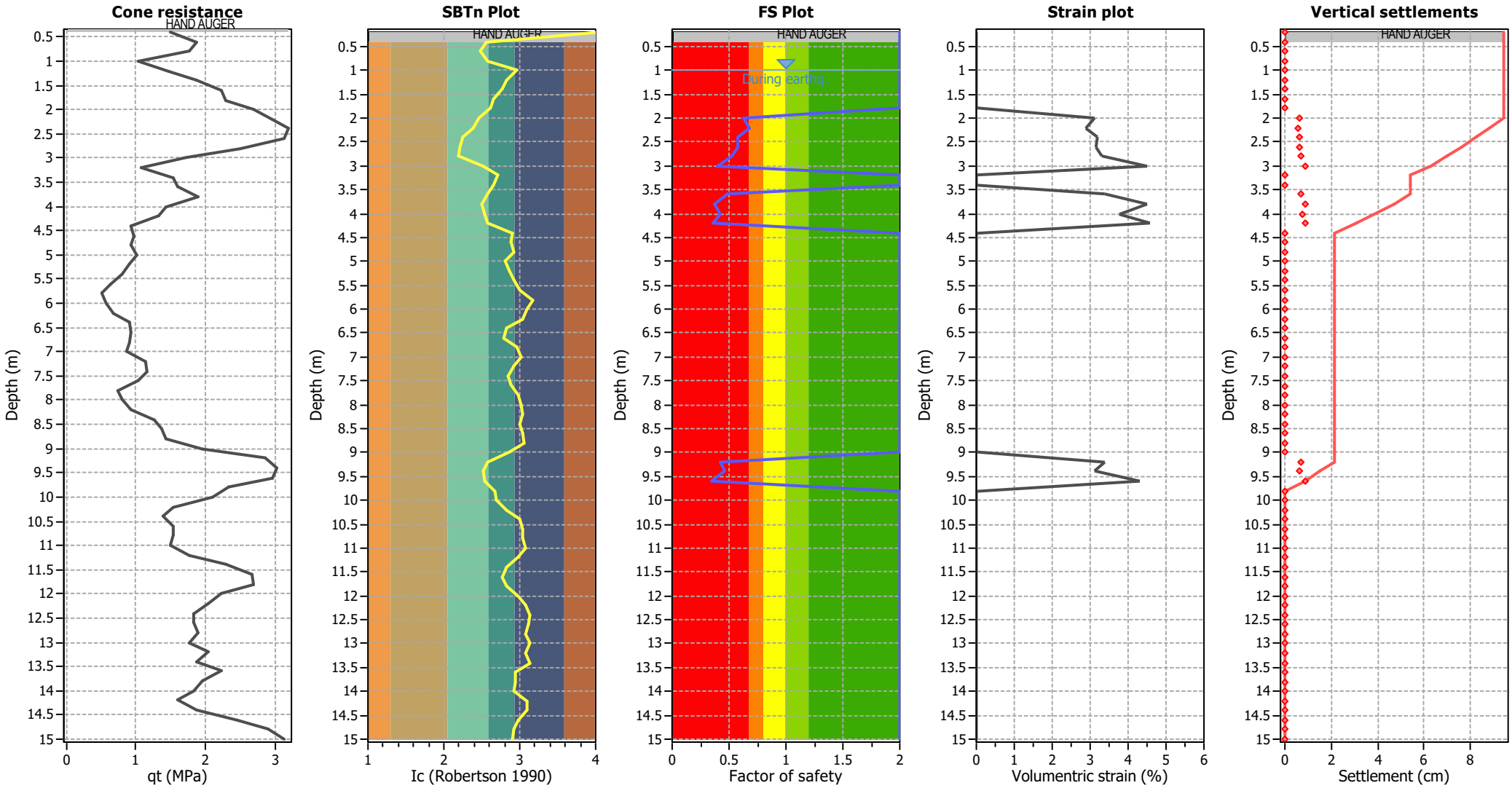
Overall liquefaction potential: 10.22

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

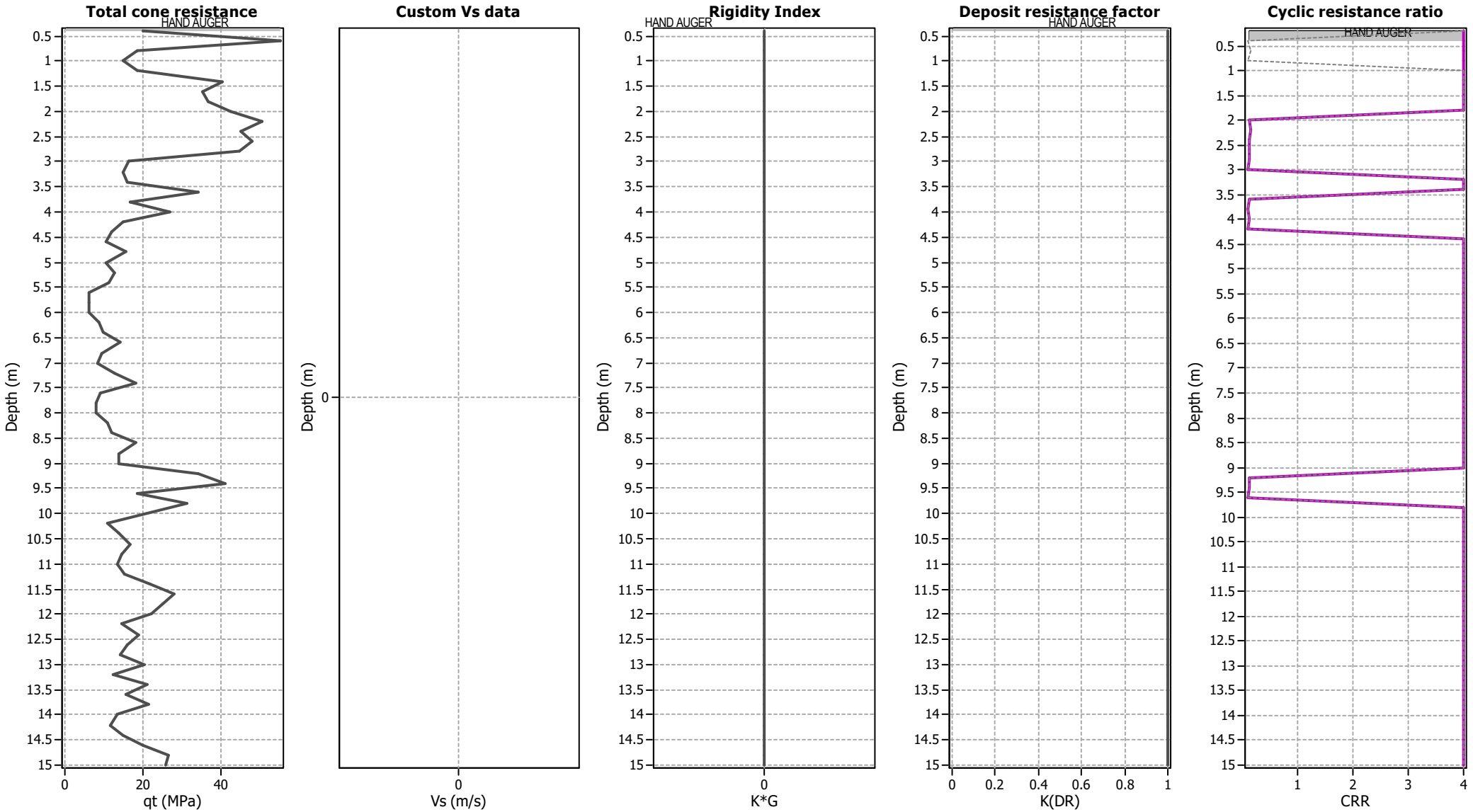
Estimation of post-earthquake settlements



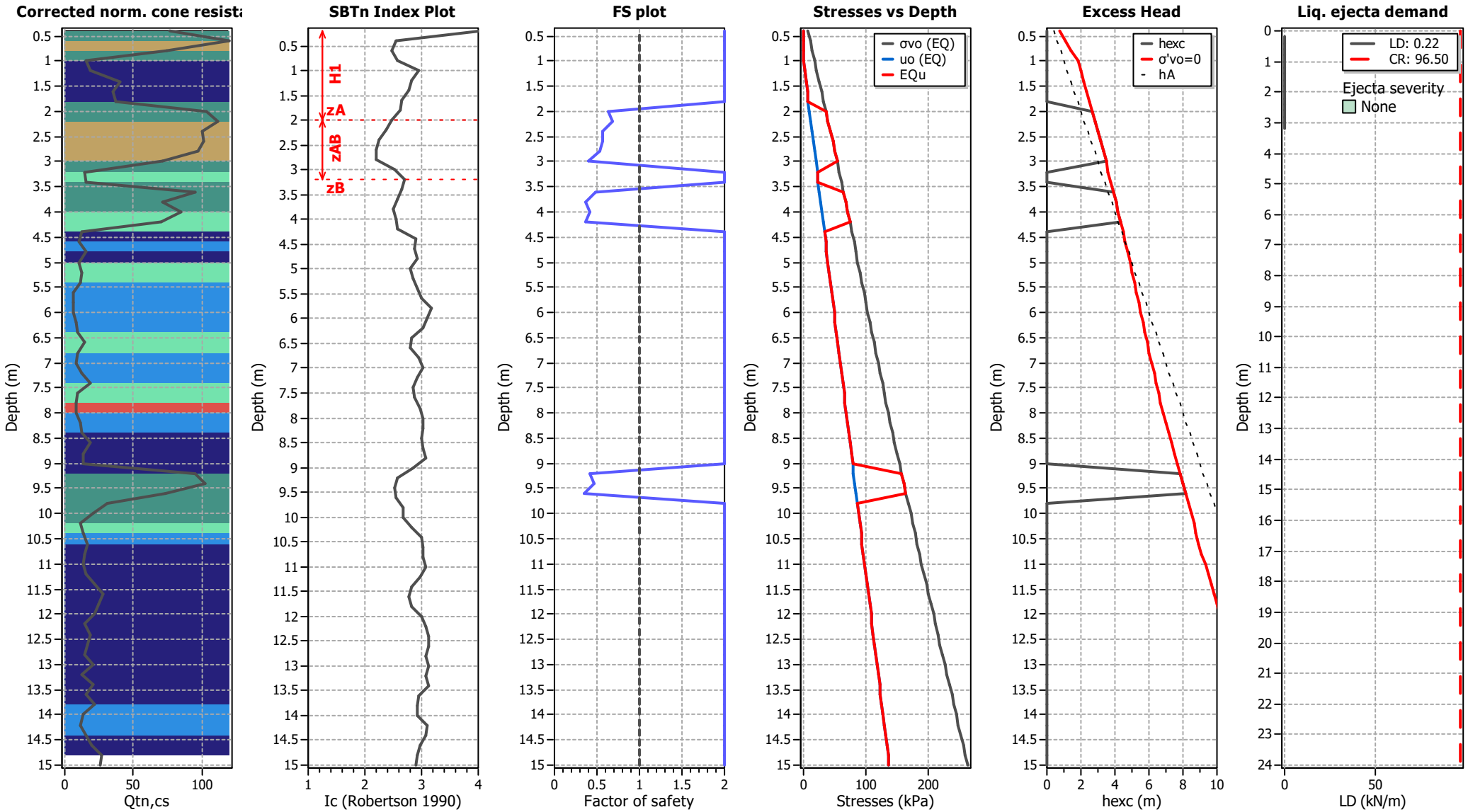
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



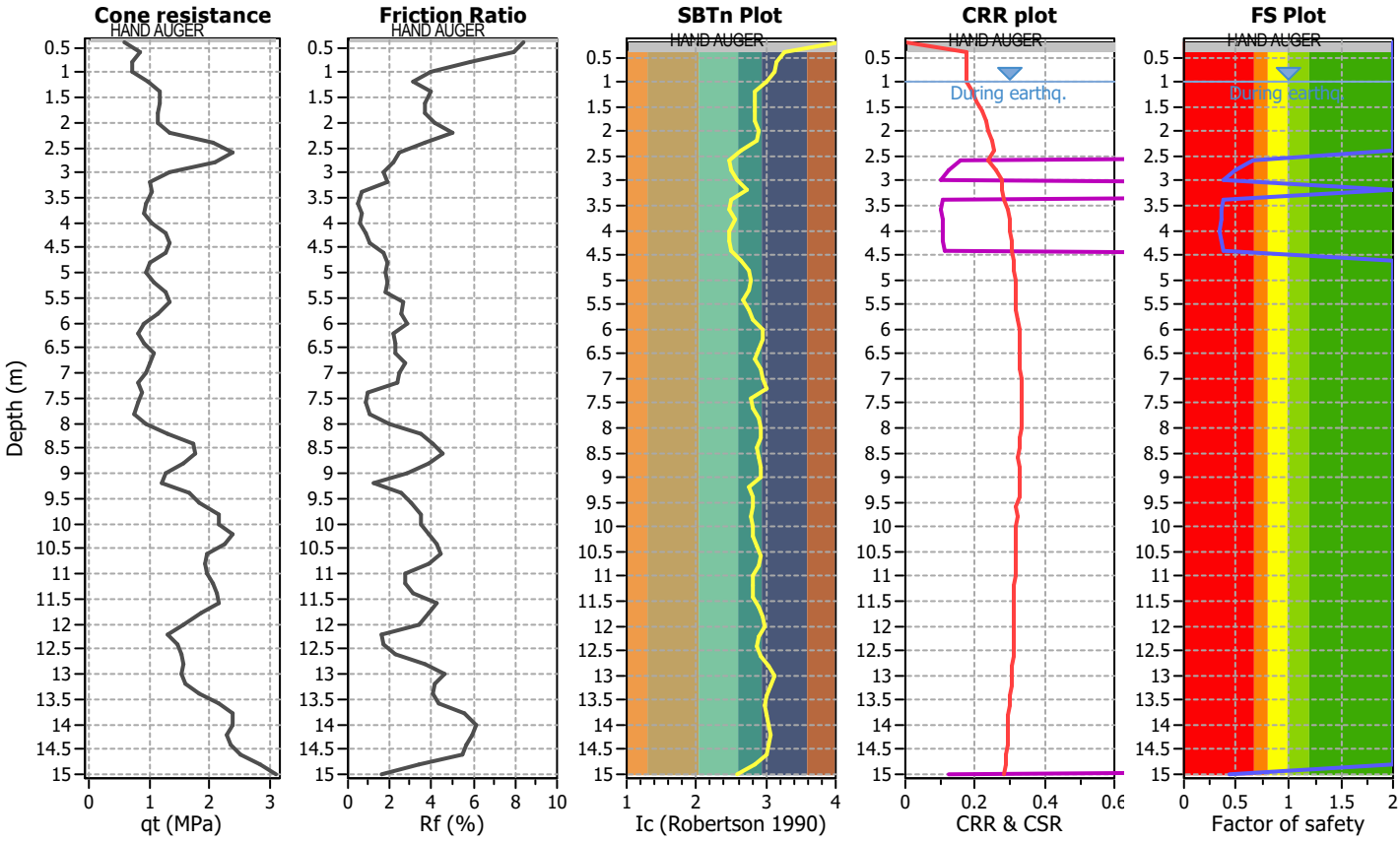
LIQUEFACTION ANALYSIS REPORT

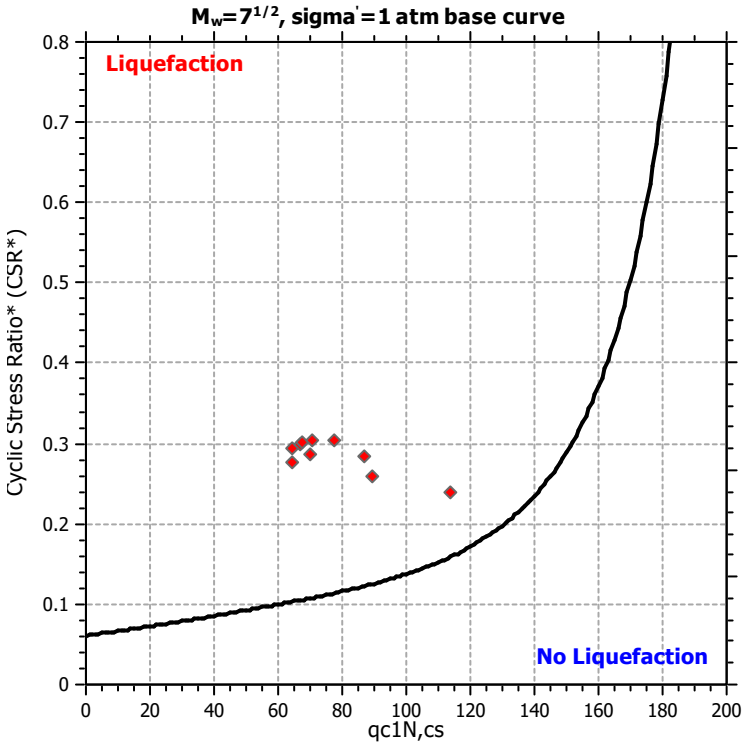
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,26**

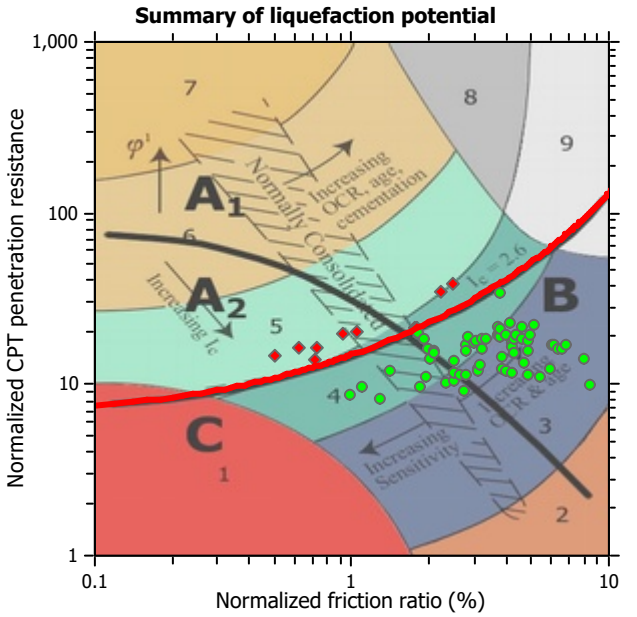
CPT file : 039017P17CPT17

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

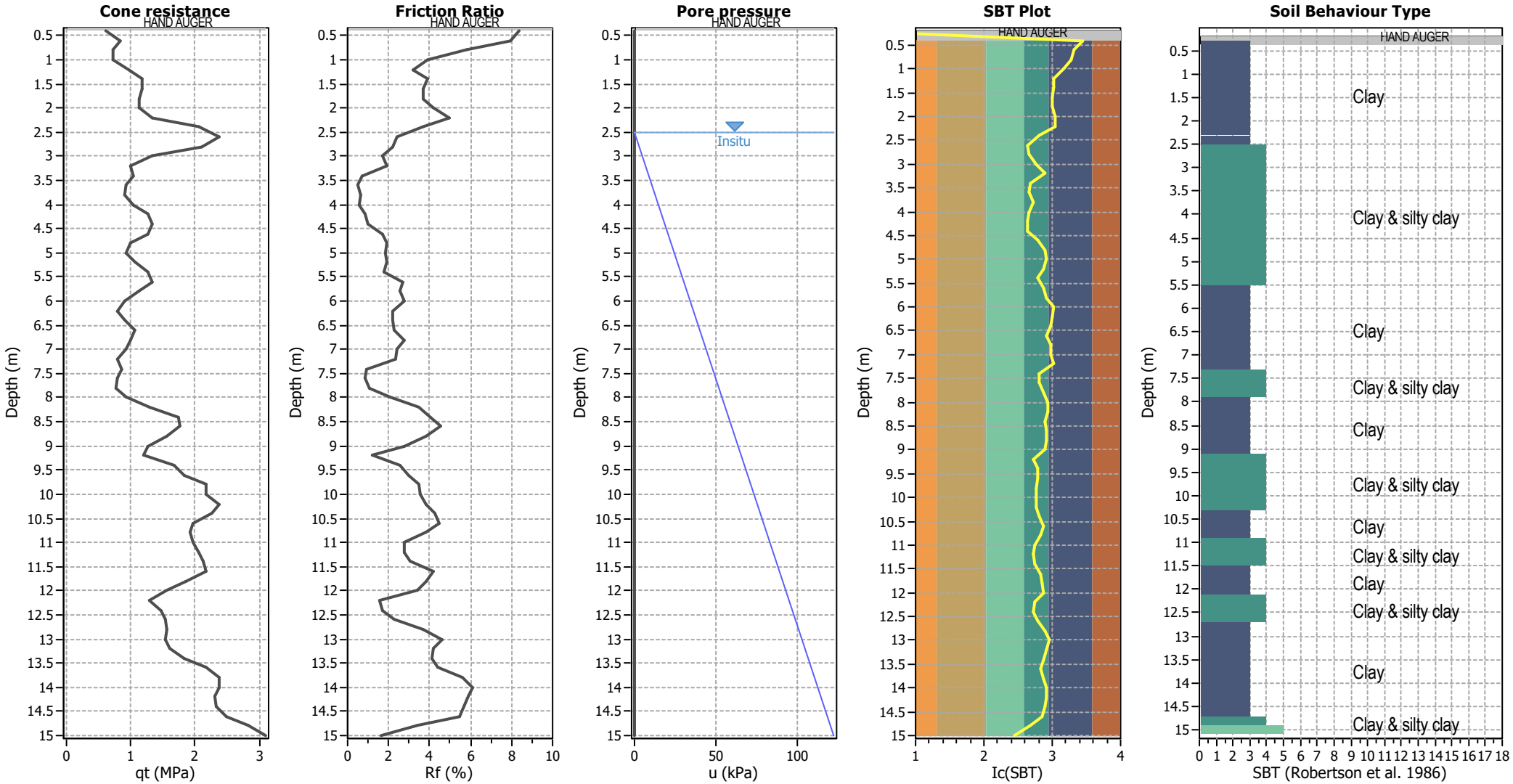






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



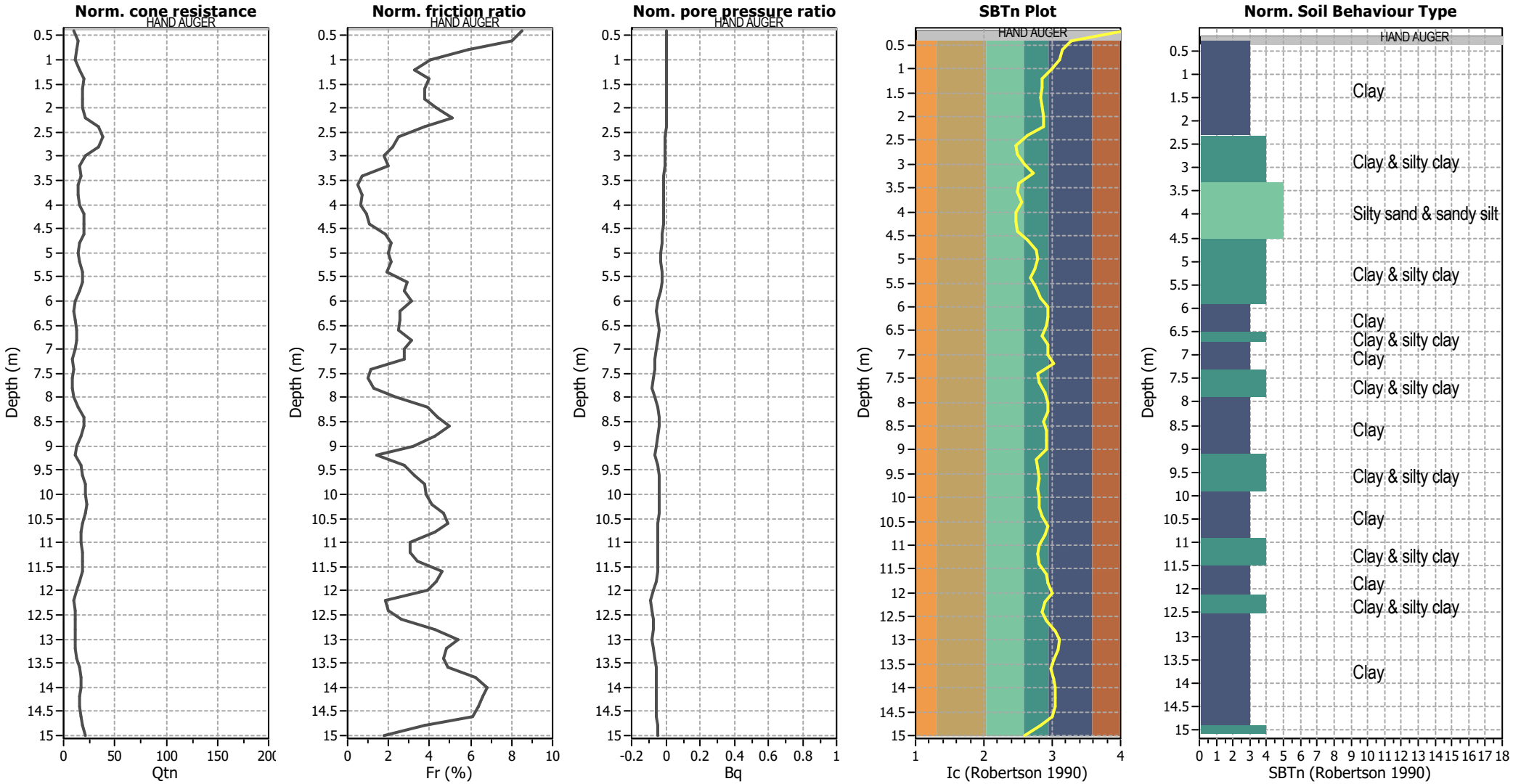
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



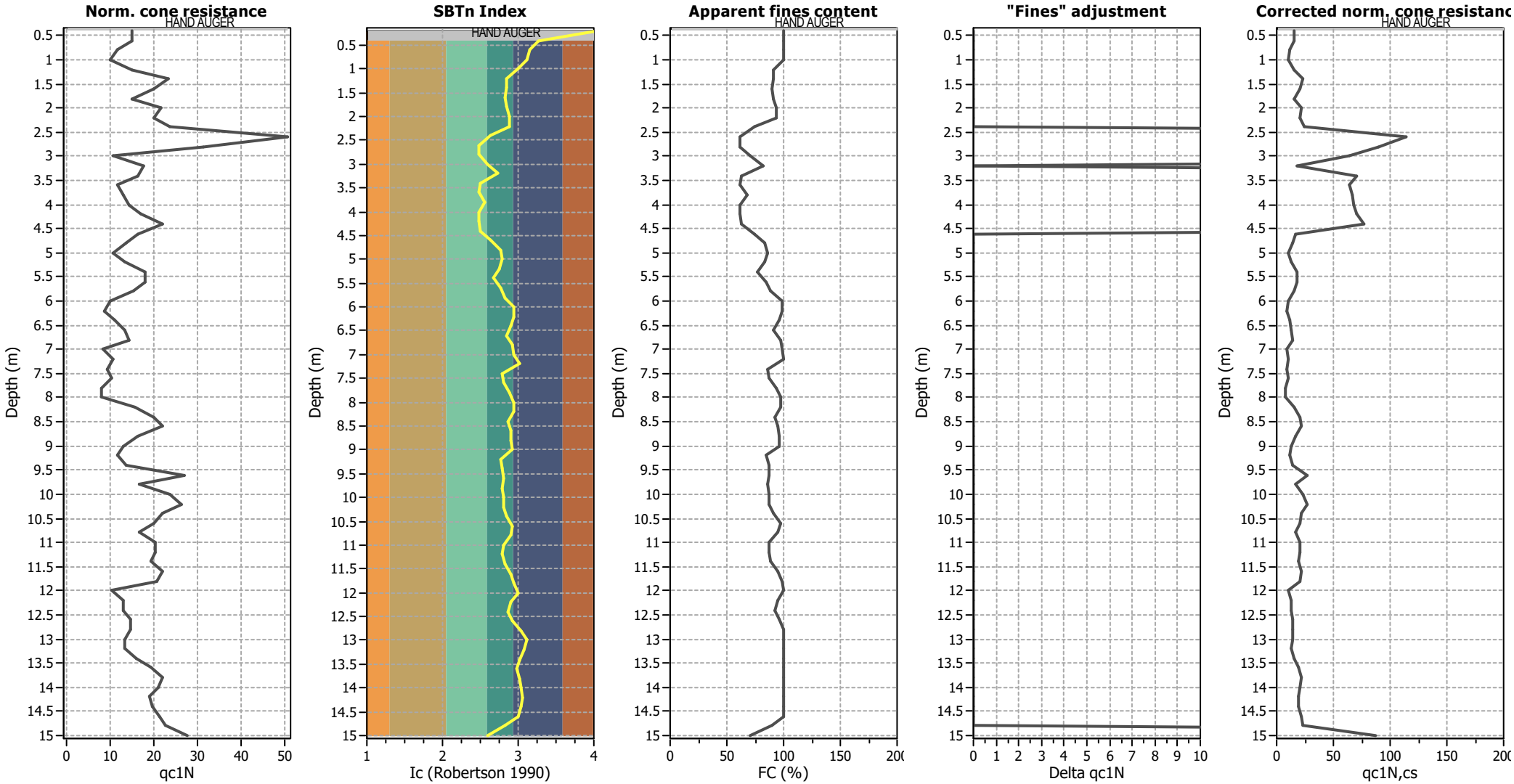
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

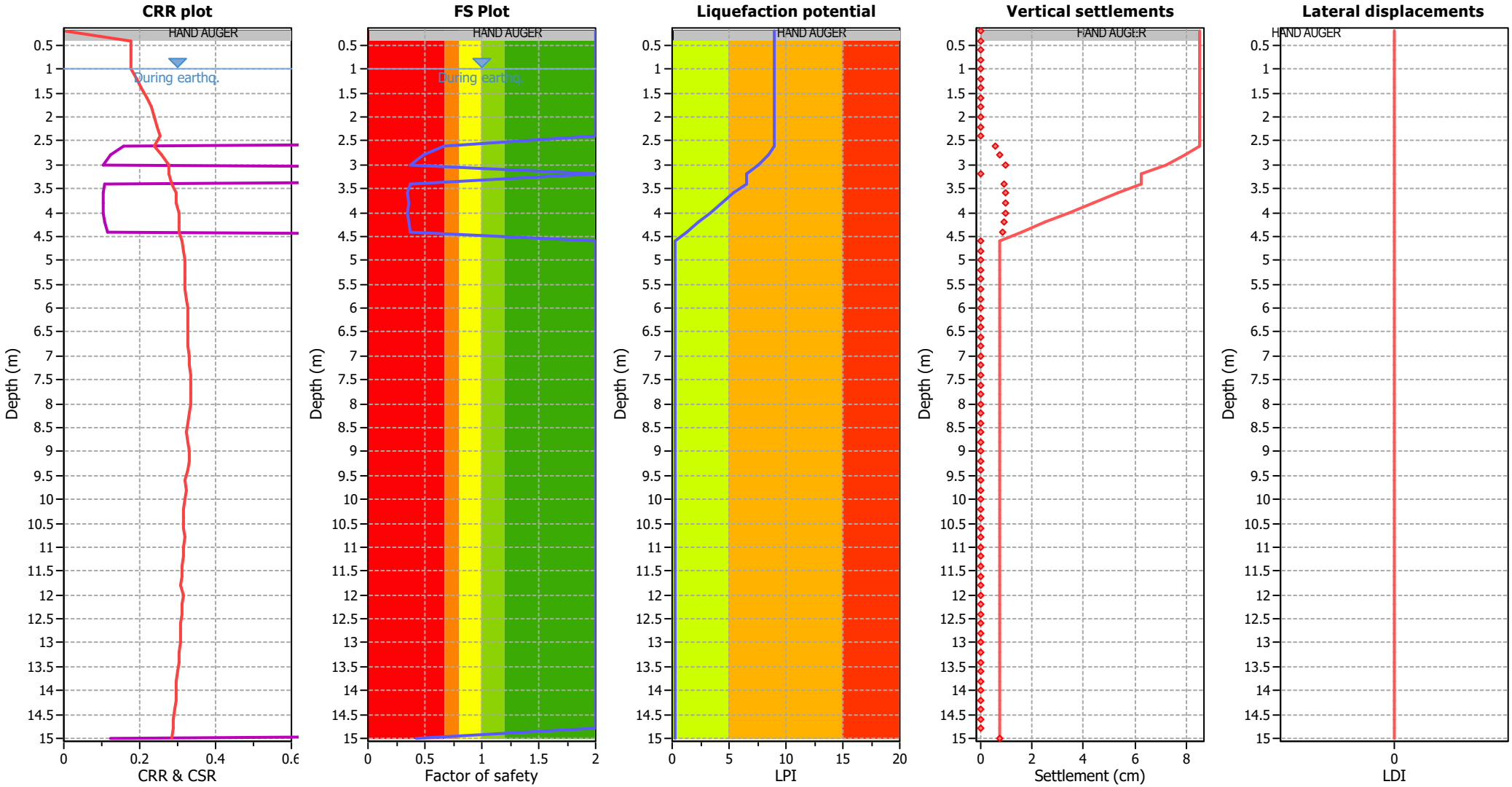
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

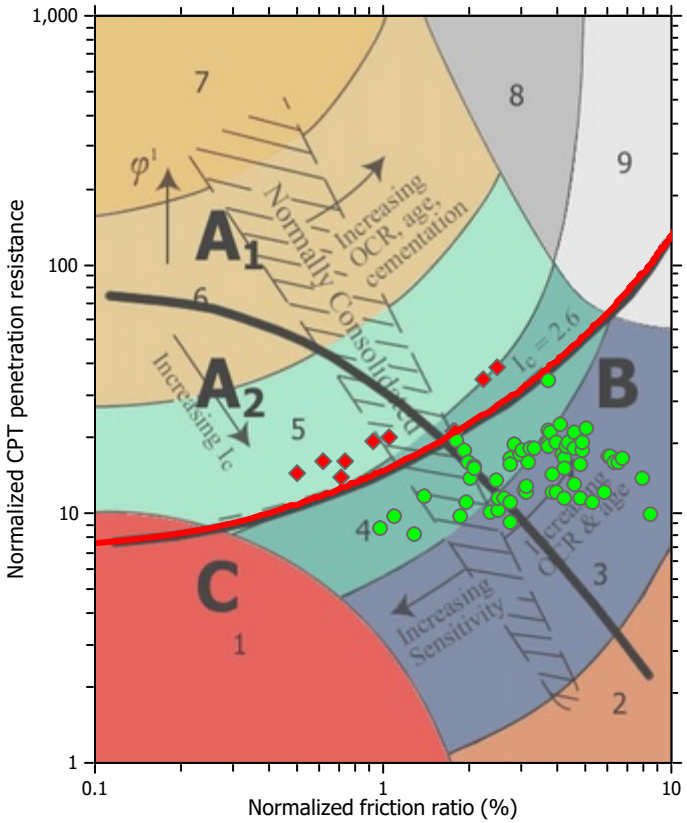
F.S. color scheme

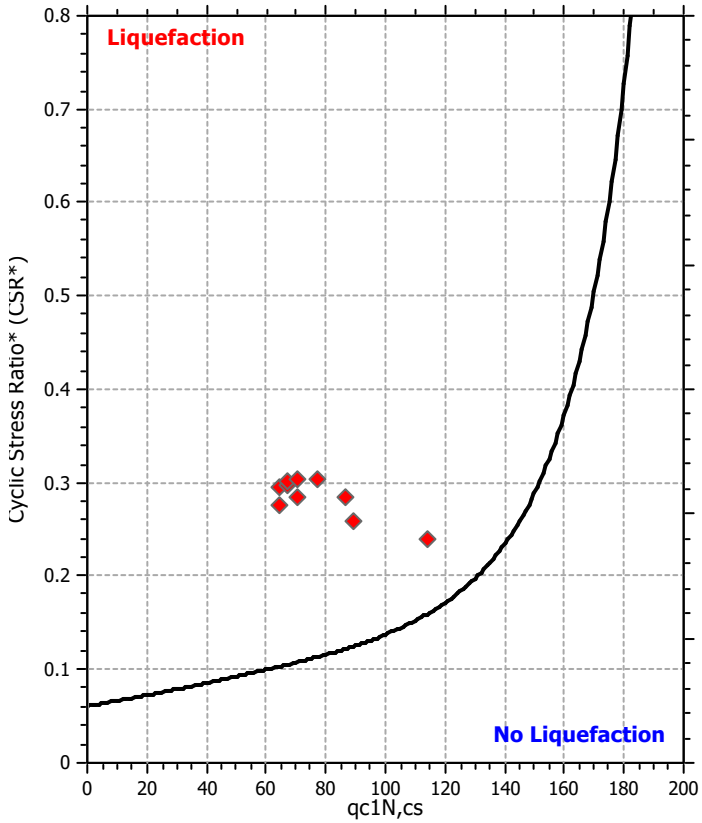
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

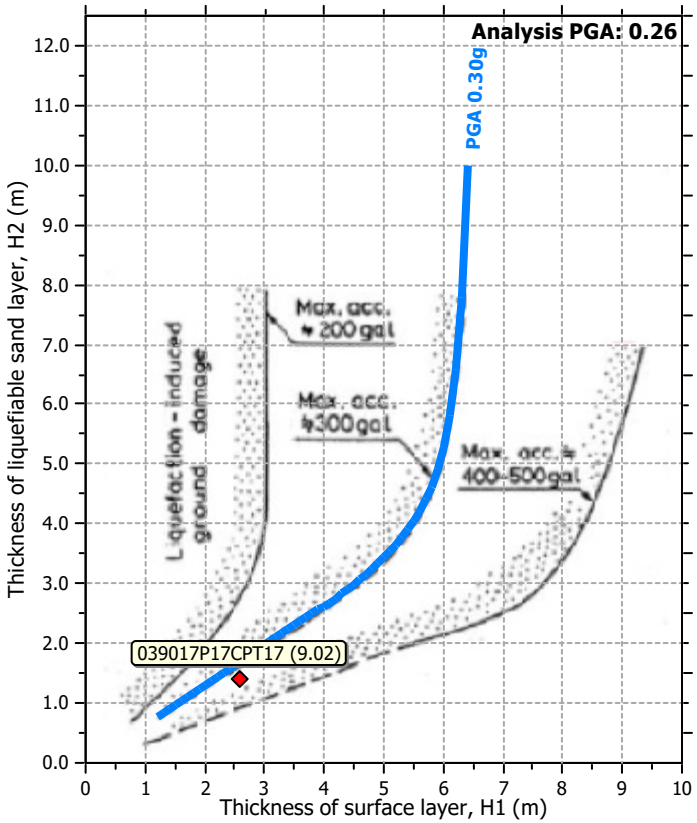
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



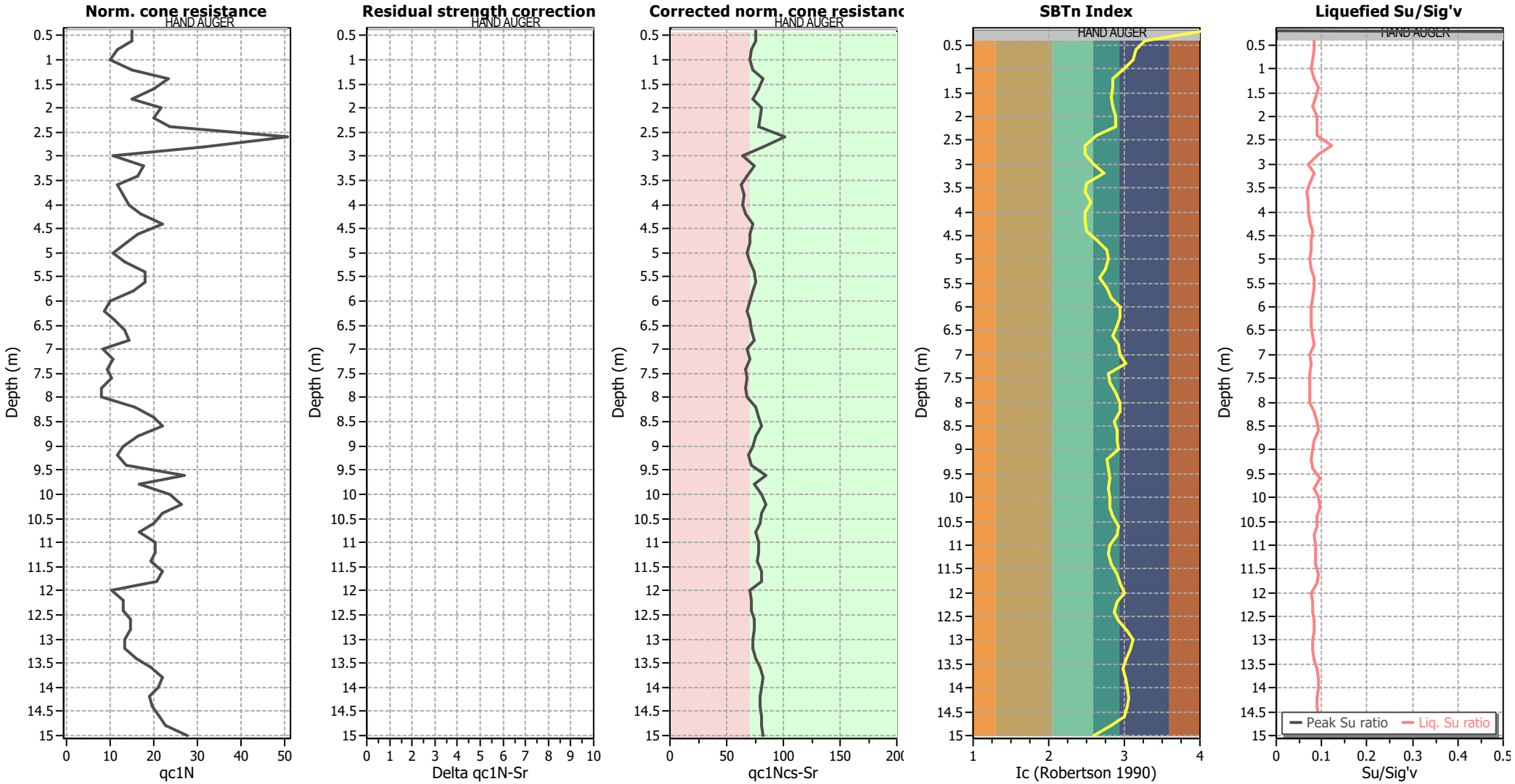




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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}
0.20	2.00	0.00	0.00	0.00	0.00	0.40	2.00	0.00	0.00	0.20	0.00
0.60	2.00	0.00	0.00	0.20	0.00	0.80	2.00	0.00	0.00	0.20	0.00
1.00	2.00	0.00	0.00	0.20	0.00	1.20	2.00	0.00	0.00	0.20	0.00
1.40	2.00	0.00	0.00	0.20	0.00	1.60	2.00	0.00	0.00	0.20	0.00
1.80	2.00	0.00	0.00	0.20	0.00	2.00	2.00	0.00	0.00	0.20	0.00
2.20	2.00	0.00	0.00	0.20	0.00	2.40	2.00	0.00	0.00	0.20	0.00
2.60	0.67	0.33	0.79	0.20	0.58	2.80	0.48	0.52	0.46	0.20	0.89
3.00	0.37	0.63	0.37	0.20	1.07	3.20	2.00	0.00	0.00	0.20	0.00
3.40	0.38	0.62	0.37	0.20	1.03	3.60	0.35	0.65	0.35	0.20	1.07
3.80	0.35	0.65	0.35	0.20	1.05	4.00	0.35	0.65	0.35	0.20	1.04
4.20	0.35	0.65	0.35	0.20	1.02	4.40	0.37	0.63	0.37	0.20	0.98
4.60	2.00	0.00	0.00	0.20	0.00	4.80	2.00	0.00	0.00	0.20	0.00
5.00	2.00	0.00	0.00	0.20	0.00	5.20	2.00	0.00	0.00	0.20	0.00
5.40	2.00	0.00	0.00	0.20	0.00	5.60	2.00	0.00	0.00	0.20	0.00
5.80	2.00	0.00	0.00	0.20	0.00	6.00	2.00	0.00	0.00	0.20	0.00
6.20	2.00	0.00	0.00	0.20	0.00	6.40	2.00	0.00	0.00	0.20	0.00
6.60	2.00	0.00	0.00	0.20	0.00	6.80	2.00	0.00	0.00	0.20	0.00
7.00	2.00	0.00	0.00	0.20	0.00	7.20	2.00	0.00	0.00	0.20	0.00
7.40	2.00	0.00	0.00	0.20	0.00	7.60	2.00	0.00	0.00	0.20	0.00
7.80	2.00	0.00	0.00	0.20	0.00	8.00	2.00	0.00	0.00	0.20	0.00
8.20	2.00	0.00	0.00	0.20	0.00	8.40	2.00	0.00	0.00	0.20	0.00
8.60	2.00	0.00	0.00	0.20	0.00	8.80	2.00	0.00	0.00	0.20	0.00
9.00	2.00	0.00	0.00	0.20	0.00	9.20	2.00	0.00	0.00	0.20	0.00
9.40	2.00	0.00	0.00	0.20	0.00	9.60	2.00	0.00	0.00	0.20	0.00
9.80	2.00	0.00	0.00	0.20	0.00	10.00	2.00	0.00	0.00	0.20	0.00
10.20	2.00	0.00	0.00	0.20	0.00	10.40	2.00	0.00	0.00	0.20	0.00
10.60	2.00	0.00	0.00	0.20	0.00	10.80	2.00	0.00	0.00	0.20	0.00
11.00	2.00	0.00	0.00	0.20	0.00	11.20	2.00	0.00	0.00	0.20	0.00
11.40	2.00	0.00	0.00	0.20	0.00	11.60	2.00	0.00	0.00	0.20	0.00
11.80	2.00	0.00	0.00	0.20	0.00	12.00	2.00	0.00	0.00	0.20	0.00
12.20	2.00	0.00	0.00	0.20	0.00	12.40	2.00	0.00	0.00	0.20	0.00
12.60	2.00	0.00	0.00	0.20	0.00	12.80	2.00	0.00	0.00	0.20	0.00
13.00	2.00	0.00	0.00	0.20	0.00	13.20	2.00	0.00	0.00	0.20	0.00
13.40	2.00	0.00	0.00	0.20	0.00	13.60	2.00	0.00	0.00	0.20	0.00
13.80	2.00	0.00	0.00	0.20	0.00	14.00	2.00	0.00	0.00	0.20	0.00
14.20	2.00	0.00	0.00	0.20	0.00	14.40	2.00	0.00	0.00	0.20	0.00
14.60	2.00	0.00	0.00	0.20	0.00	14.80	2.00	0.00	0.00	0.20	0.00
15.00	0.43	0.57	0.41	0.20	0.29						

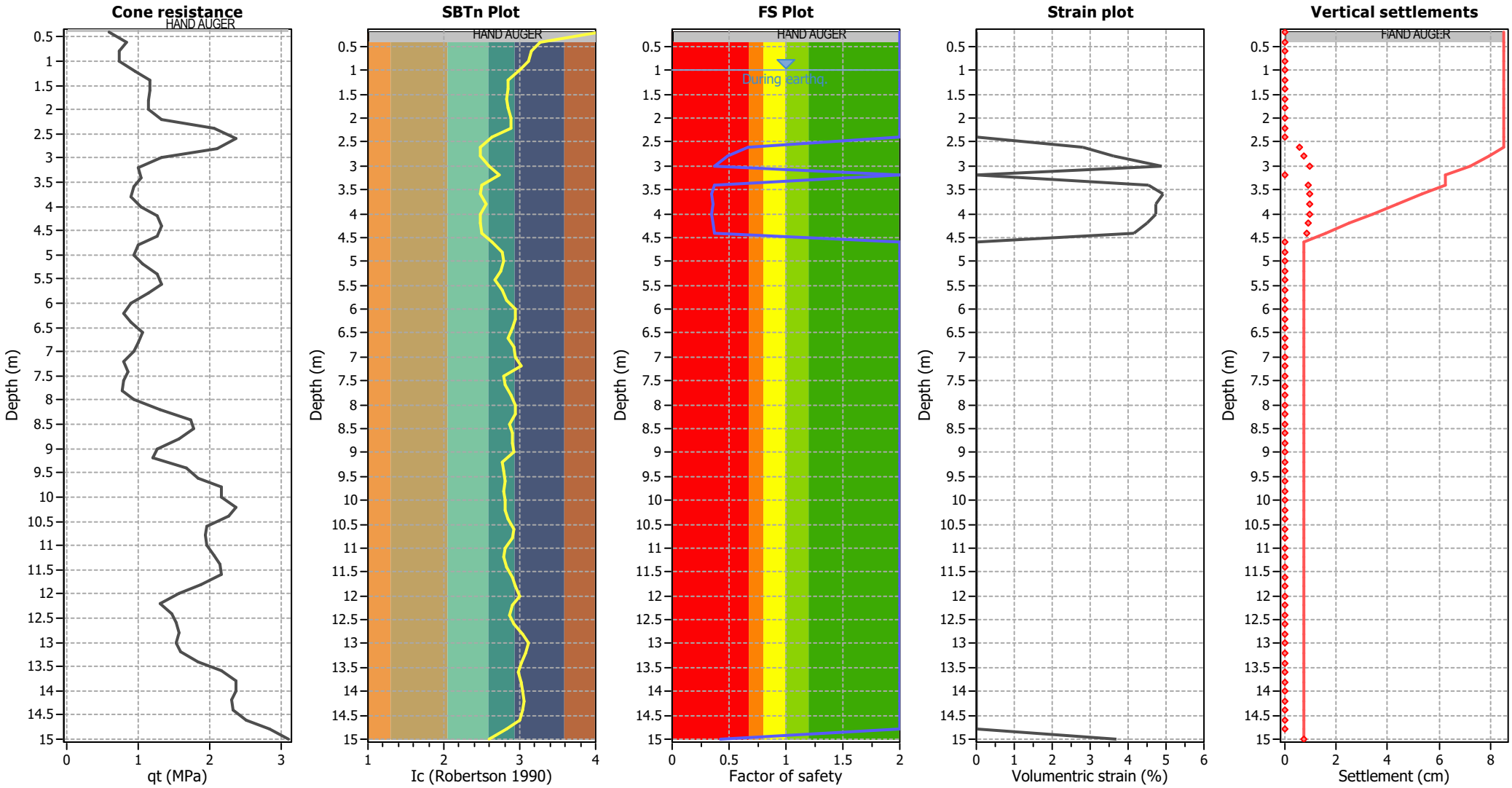
Overall liquefaction potential: 9.02

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

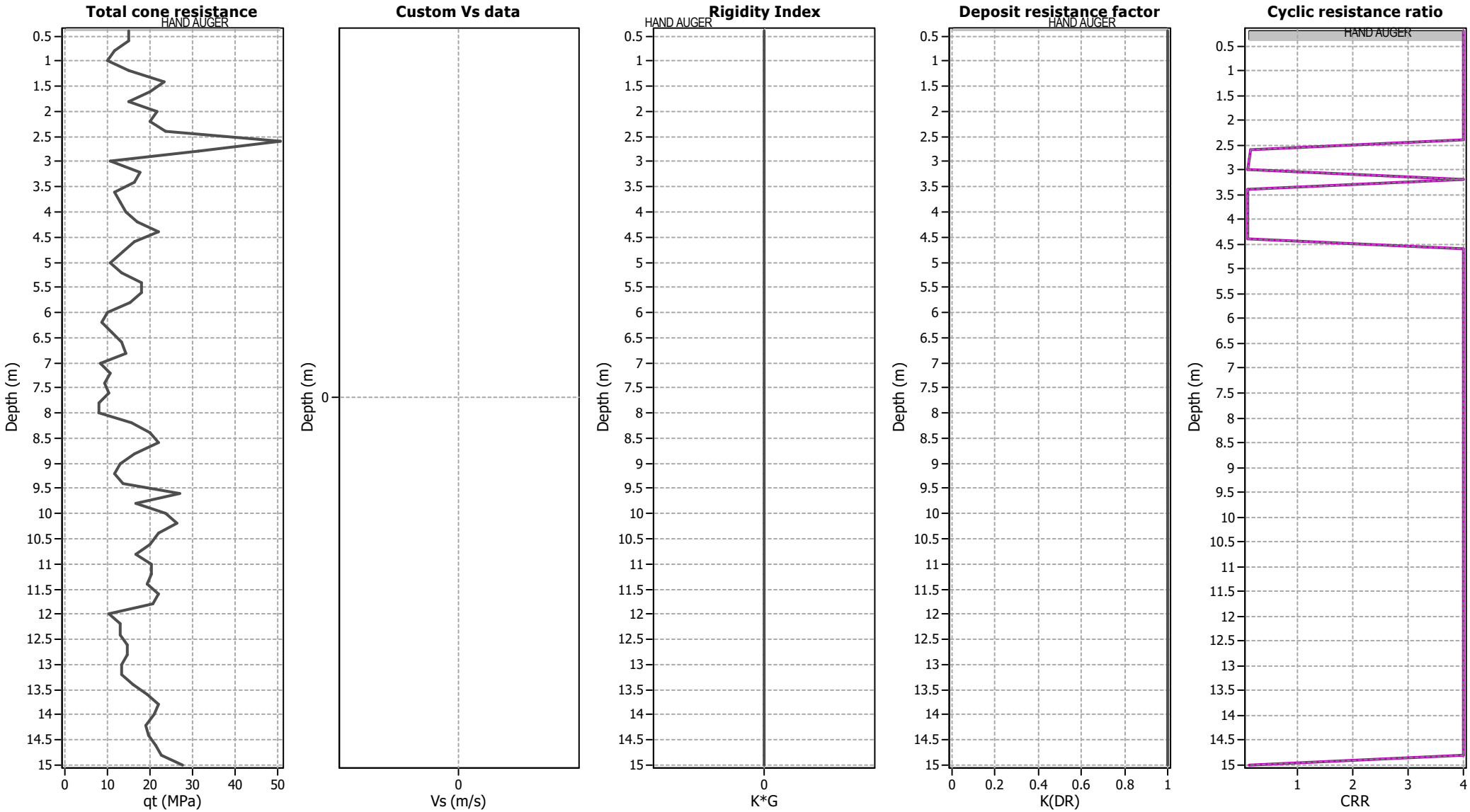
Estimation of post-earthquake settlements



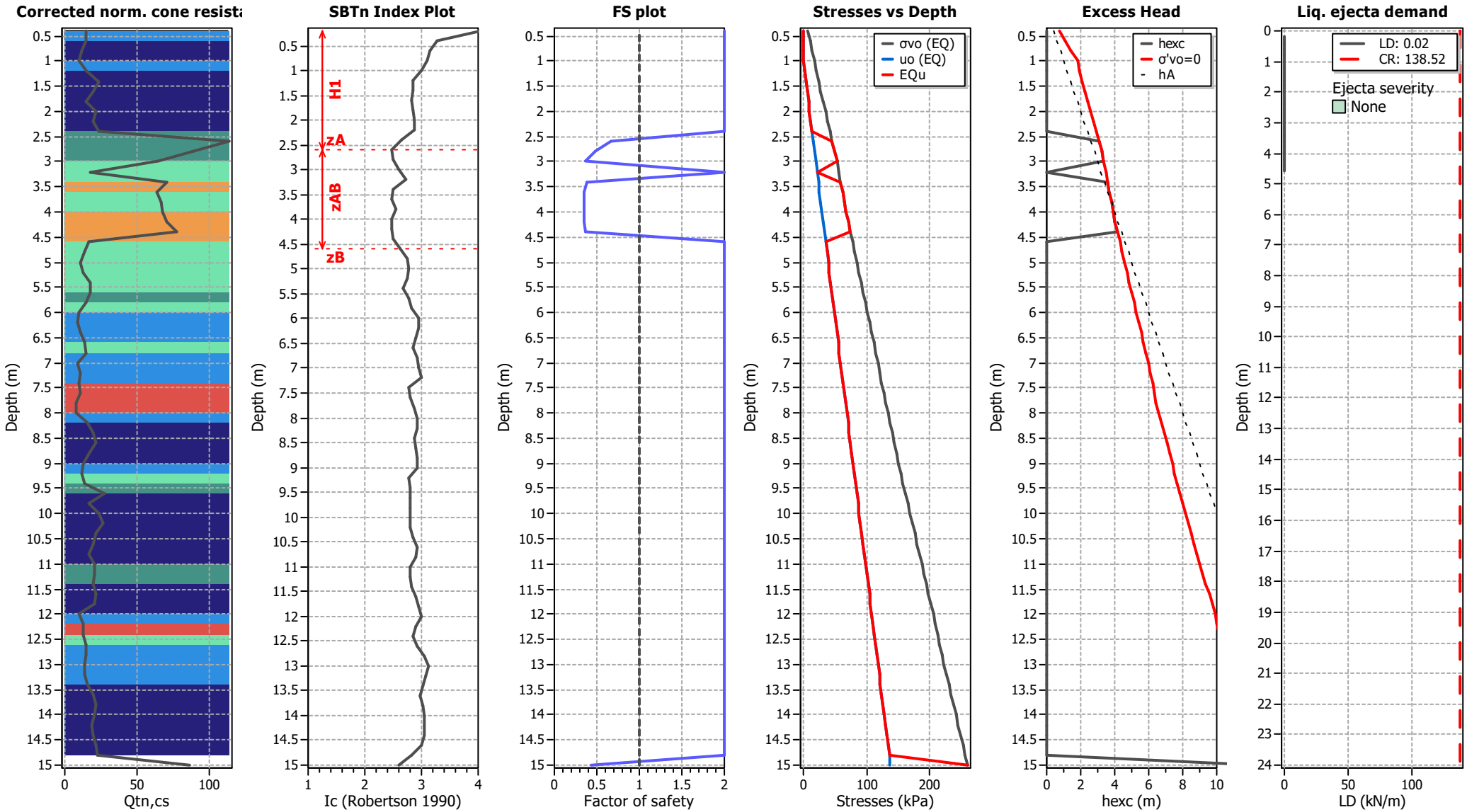
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



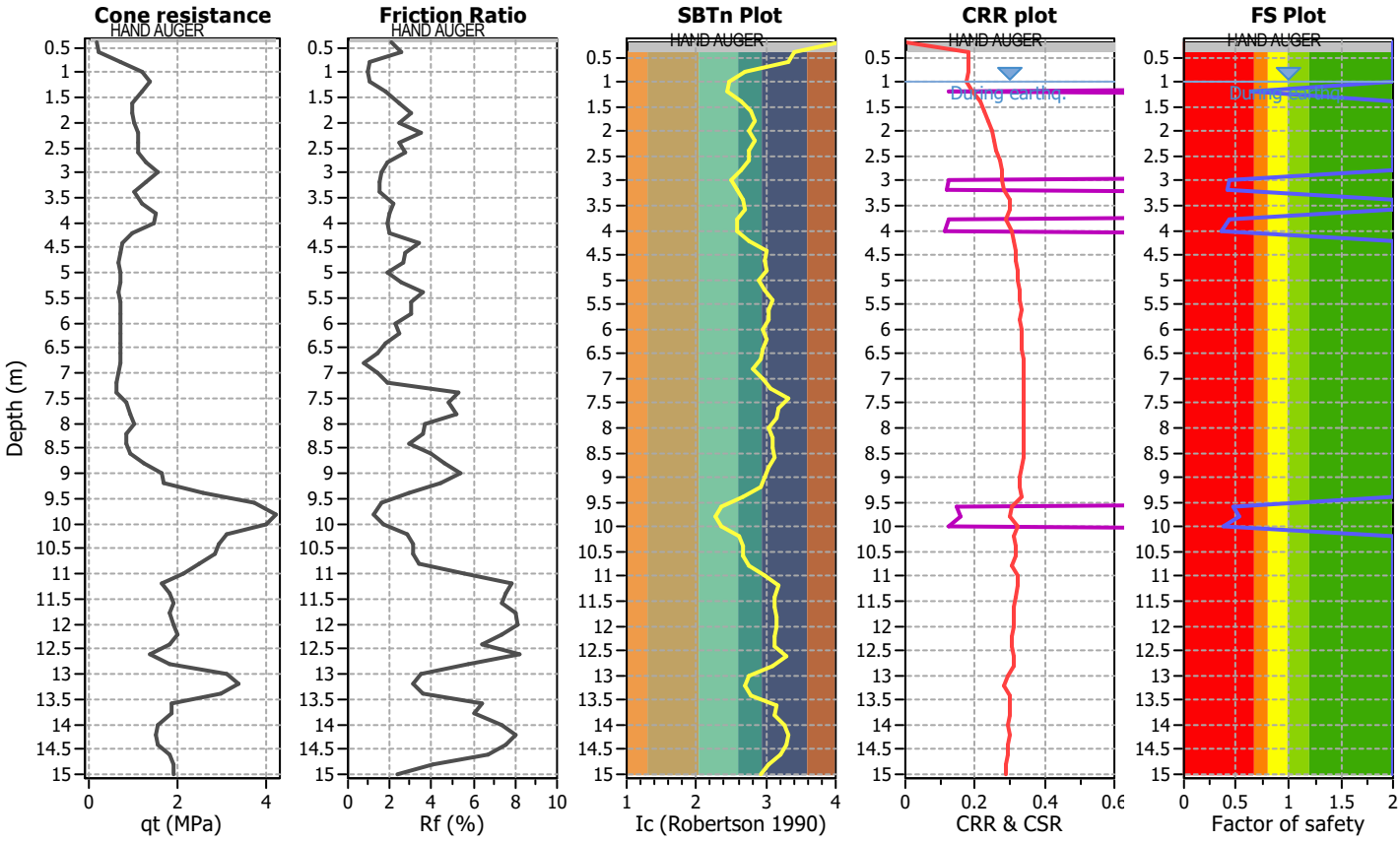
LIQUEFACTION ANALYSIS REPORT

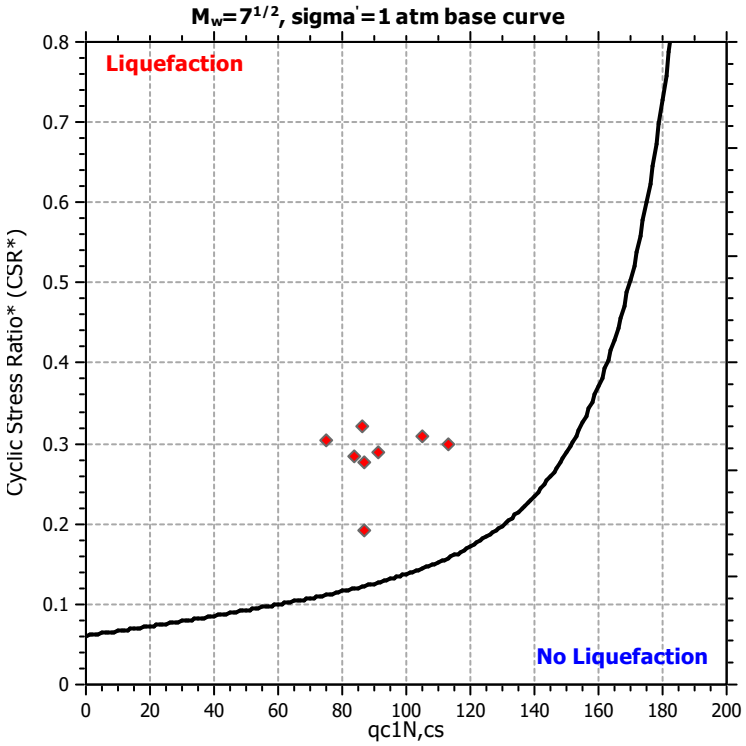
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,26**

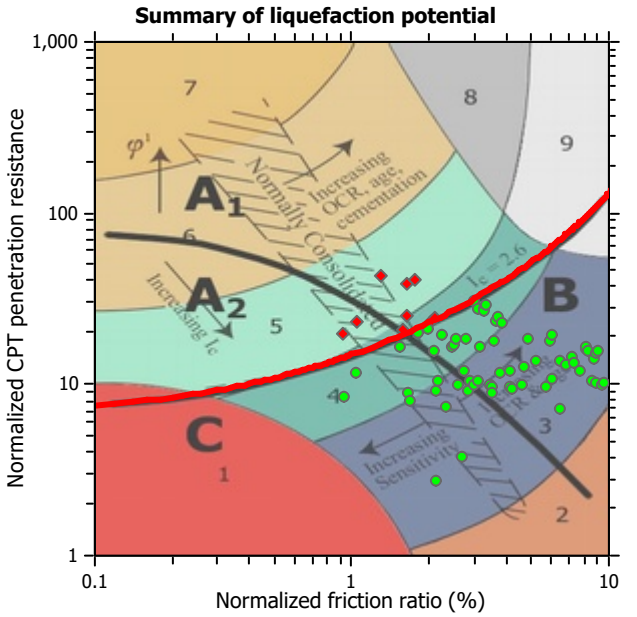
CPT file : 039017P18CPT18

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

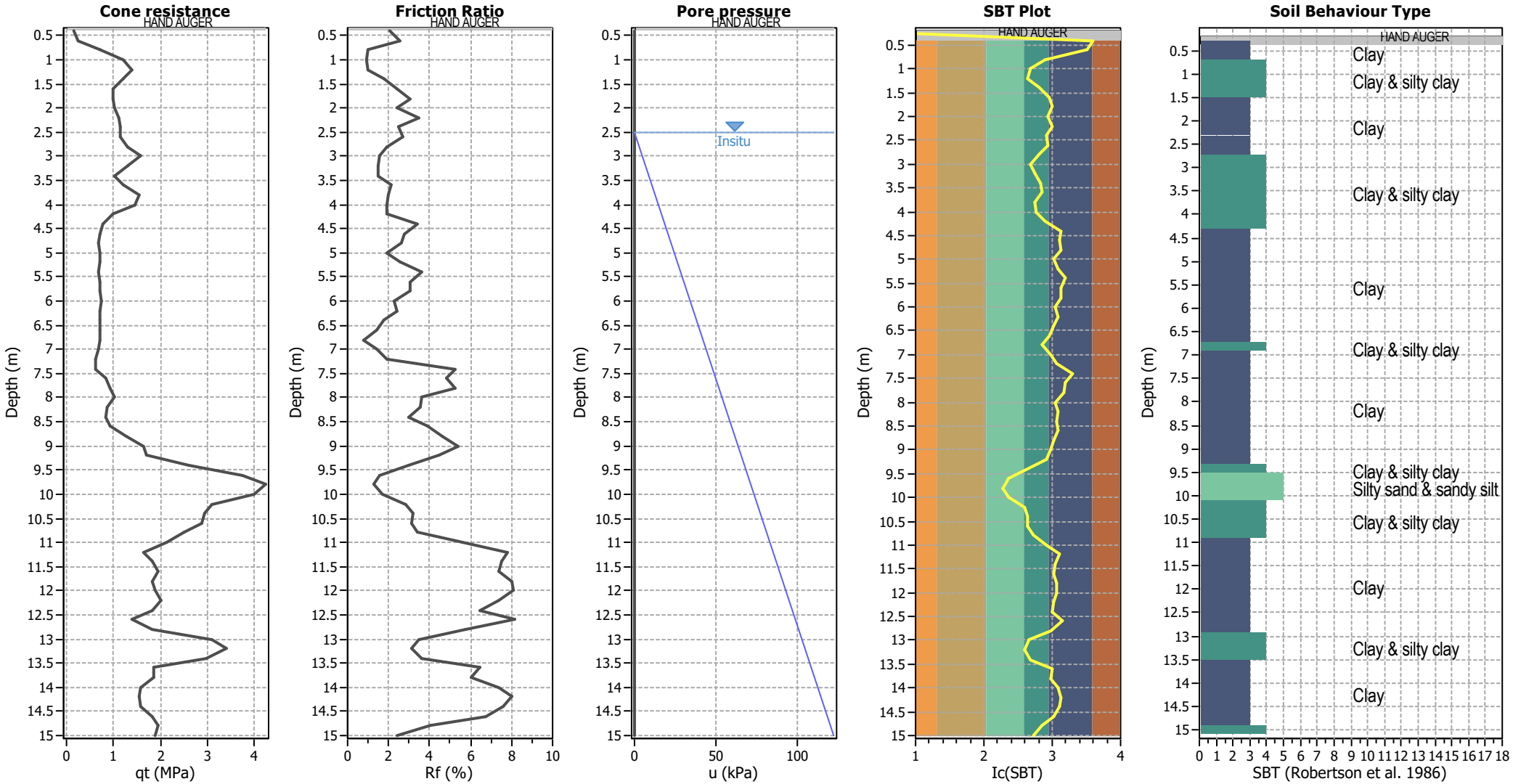






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



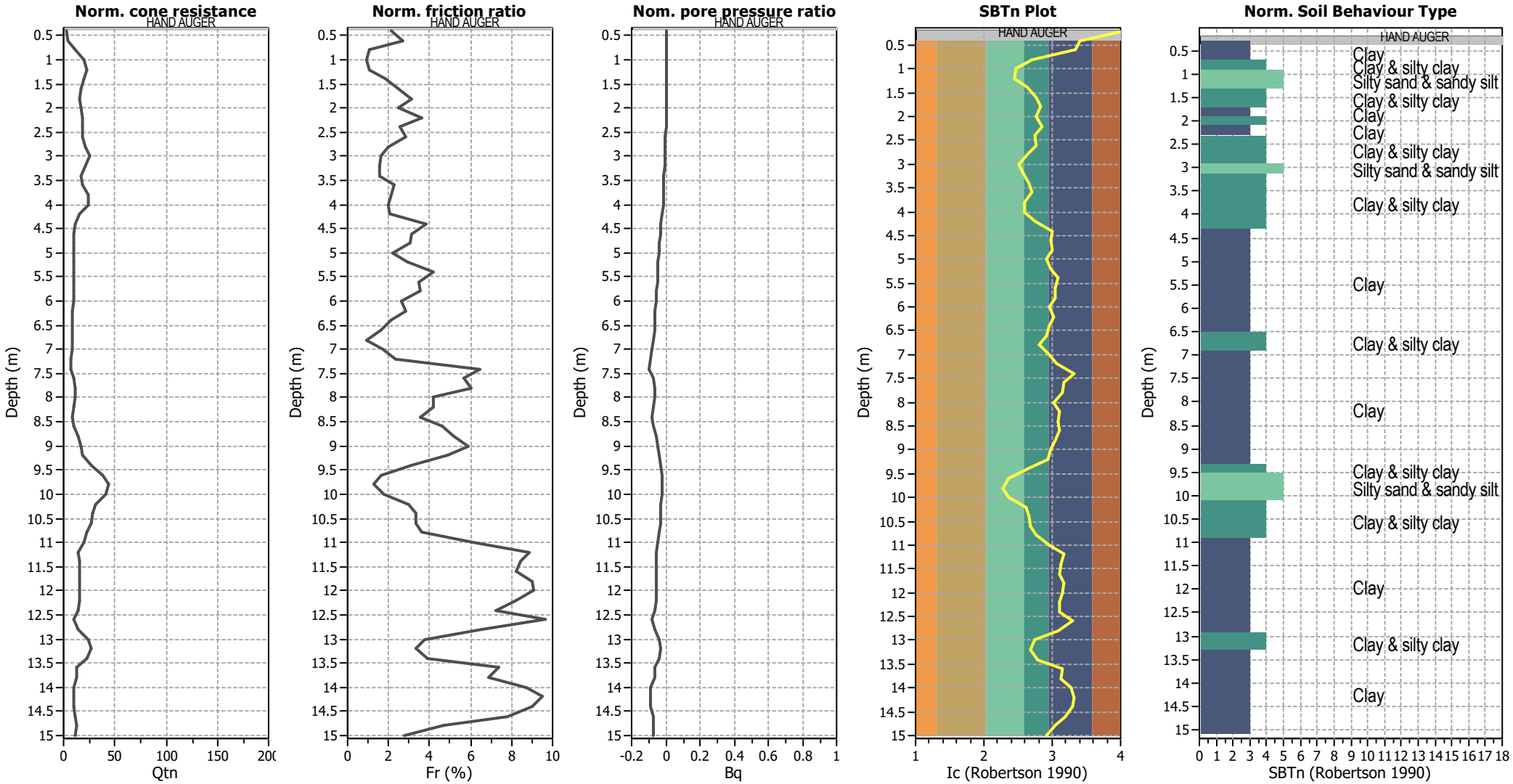
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



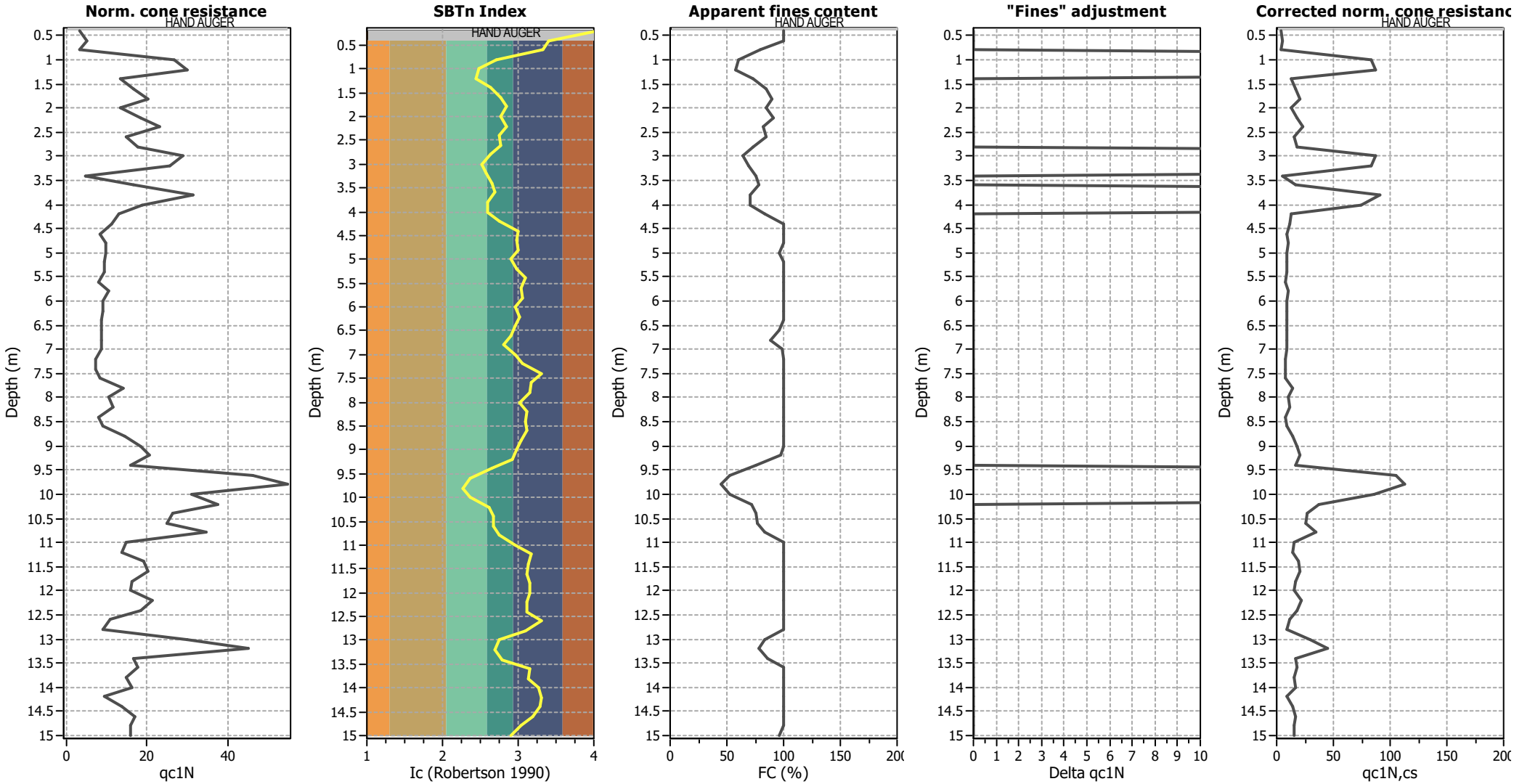
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

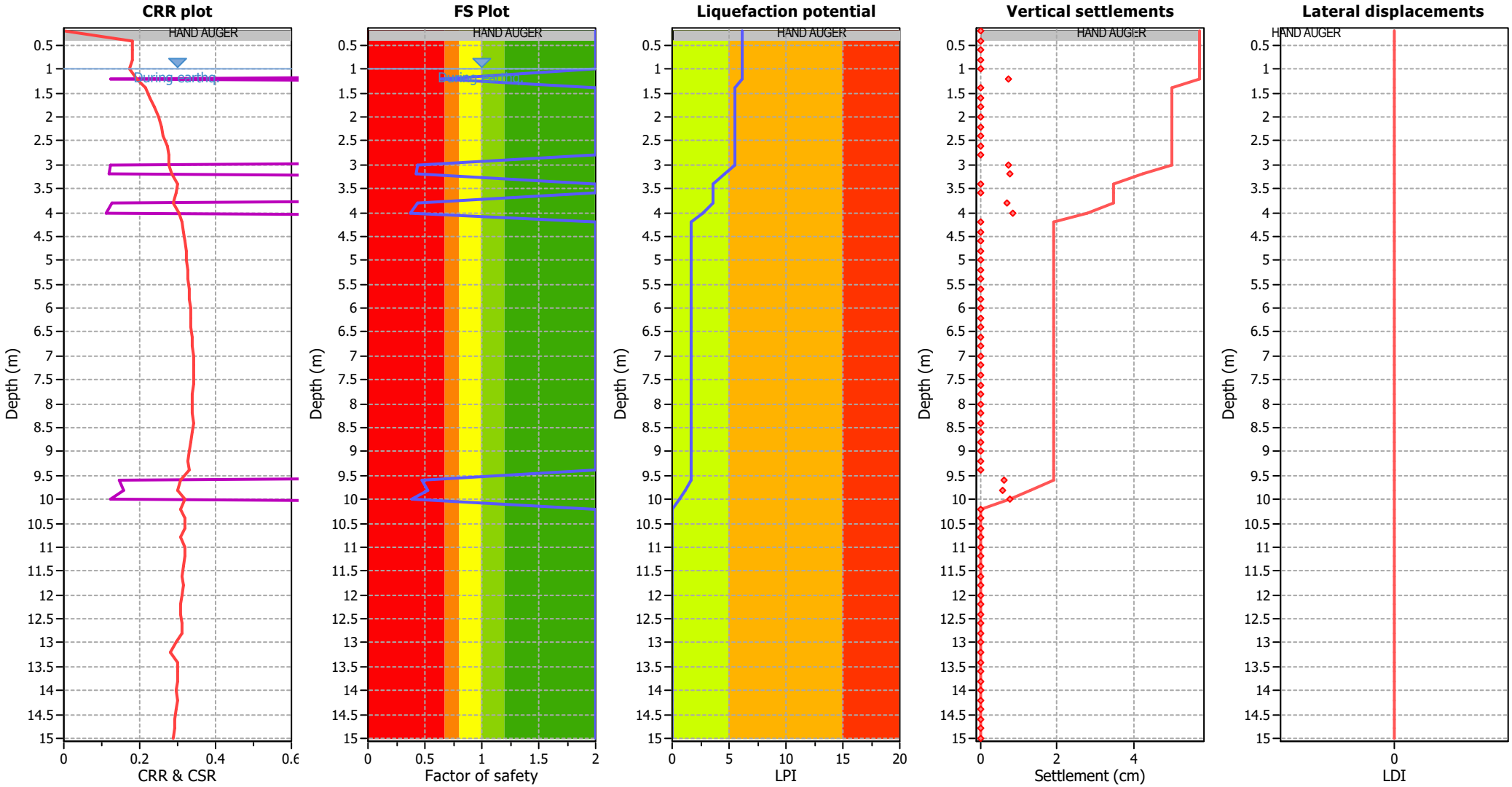
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

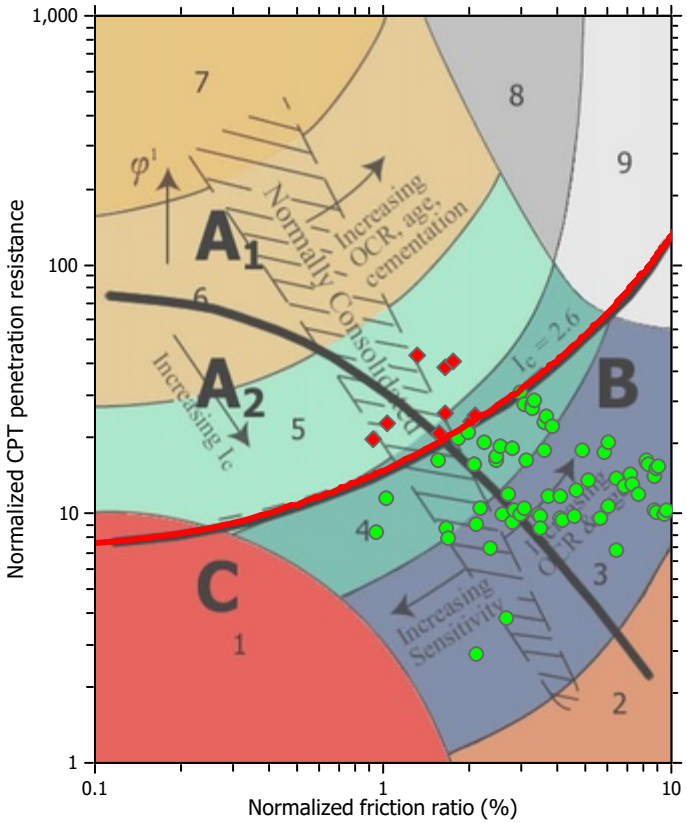
F.S. color scheme

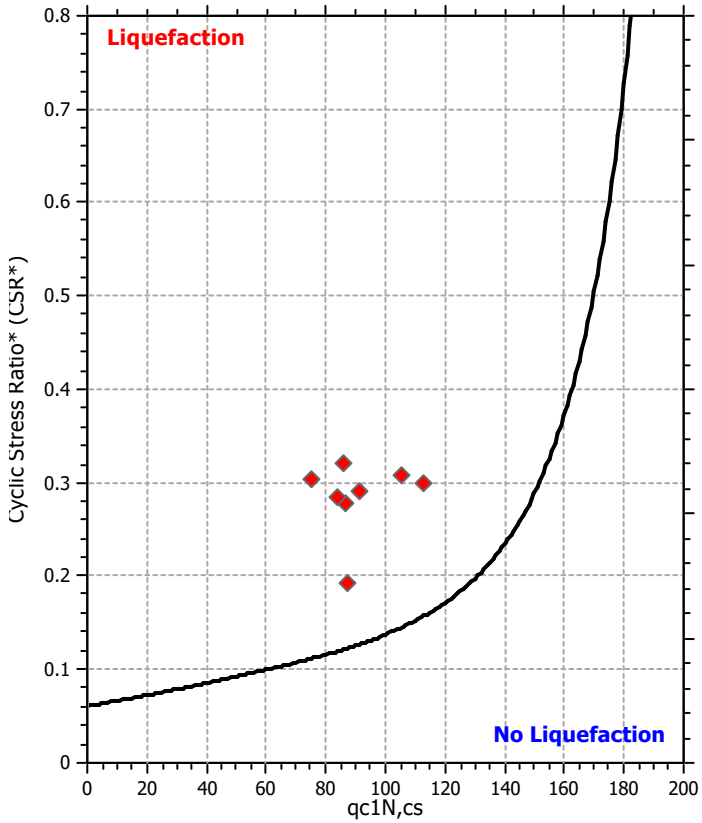
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

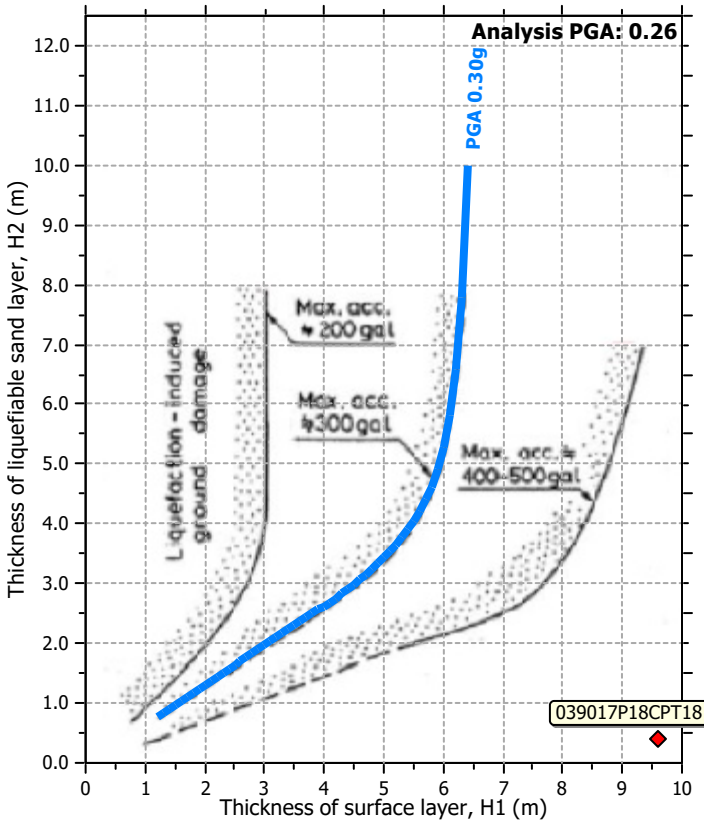
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



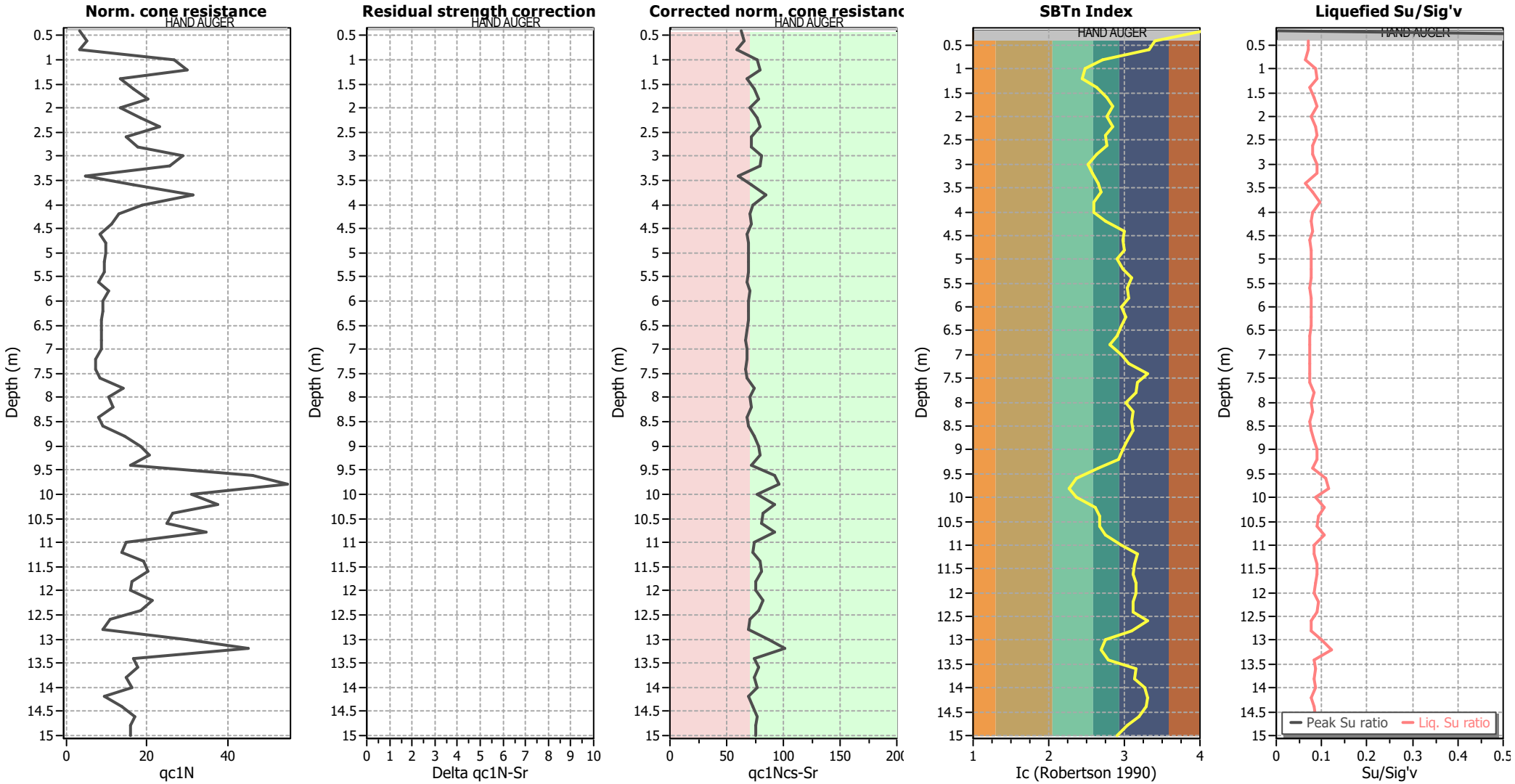




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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}
0.20	2.00	0.00	0.00	0.00	0.00	0.40	2.00	0.00	0.00	0.20	0.00
0.60	2.00	0.00	0.00	0.20	0.00	0.80	2.00	0.00	0.00	0.20	0.00
1.00	2.00	0.00	0.00	0.20	0.00	1.20	0.64	0.00	0.00	0.20	0.68
1.40	2.00	0.00	0.00	0.20	0.00	1.60	2.00	0.00	0.00	0.20	0.00
1.80	2.00	0.00	0.00	0.20	0.00	2.00	2.00	0.00	0.00	0.20	0.00
2.20	2.00	0.00	0.00	0.20	0.00	2.40	2.00	0.00	0.00	0.20	0.00
2.60	2.00	0.00	0.00	0.20	0.00	2.80	2.00	0.00	0.00	0.20	0.00
3.00	0.44	0.00	0.00	0.20	0.95	3.20	0.42	0.00	0.00	0.20	0.97
3.40	2.00	0.00	0.00	0.20	0.00	3.60	2.00	0.00	0.00	0.20	0.00
3.80	0.44	0.00	0.00	0.20	0.91	4.00	0.37	0.00	0.00	0.20	1.01
4.20	2.00	0.00	0.00	0.20	0.00	4.40	2.00	0.00	0.00	0.20	0.00
4.60	2.00	0.00	0.00	0.20	0.00	4.80	2.00	0.00	0.00	0.20	0.00
5.00	2.00	0.00	0.00	0.20	0.00	5.20	2.00	0.00	0.00	0.20	0.00
5.40	2.00	0.00	0.00	0.20	0.00	5.60	2.00	0.00	0.00	0.20	0.00
5.80	2.00	0.00	0.00	0.20	0.00	6.00	2.00	0.00	0.00	0.20	0.00
6.20	2.00	0.00	0.00	0.20	0.00	6.40	2.00	0.00	0.00	0.20	0.00
6.60	2.00	0.00	0.00	0.20	0.00	6.80	2.00	0.00	0.00	0.20	0.00
7.00	2.00	0.00	0.00	0.20	0.00	7.20	2.00	0.00	0.00	0.20	0.00
7.40	2.00	0.00	0.00	0.20	0.00	7.60	2.00	0.00	0.00	0.20	0.00
7.80	2.00	0.00	0.00	0.20	0.00	8.00	2.00	0.00	0.00	0.20	0.00
8.20	2.00	0.00	0.00	0.20	0.00	8.40	2.00	0.00	0.00	0.20	0.00
8.60	2.00	0.00	0.00	0.20	0.00	8.80	2.00	0.00	0.00	0.20	0.00
9.00	2.00	0.00	0.00	0.20	0.00	9.20	2.00	0.00	0.00	0.20	0.00
9.40	2.00	0.00	0.00	0.20	0.00	9.60	0.47	0.00	0.00	0.20	0.55
9.80	0.52	0.00	0.00	0.20	0.49	10.00	0.38	0.00	0.00	0.20	0.62
10.20	2.00	0.00	0.00	0.20	0.00	10.40	2.00	0.00	0.00	0.20	0.00
10.60	2.00	0.00	0.00	0.20	0.00	10.80	2.00	0.00	0.00	0.20	0.00
11.00	2.00	0.00	0.00	0.20	0.00	11.20	2.00	0.00	0.00	0.20	0.00
11.40	2.00	0.00	0.00	0.20	0.00	11.60	2.00	0.00	0.00	0.20	0.00
11.80	2.00	0.00	0.00	0.20	0.00	12.00	2.00	0.00	0.00	0.20	0.00
12.20	2.00	0.00	0.00	0.20	0.00	12.40	2.00	0.00	0.00	0.20	0.00
12.60	2.00	0.00	0.00	0.20	0.00	12.80	2.00	0.00	0.00	0.20	0.00
13.00	2.00	0.00	0.00	0.20	0.00	13.20	2.00	0.00	0.00	0.20	0.00
13.40	2.00	0.00	0.00	0.20	0.00	13.60	2.00	0.00	0.00	0.20	0.00
13.80	2.00	0.00	0.00	0.20	0.00	14.00	2.00	0.00	0.00	0.20	0.00
14.20	2.00	0.00	0.00	0.20	0.00	14.40	2.00	0.00	0.00	0.20	0.00
14.60	2.00	0.00	0.00	0.20	0.00	14.80	2.00	0.00	0.00	0.20	0.00
15.00	2.00	0.00	0.00	0.20	0.00						

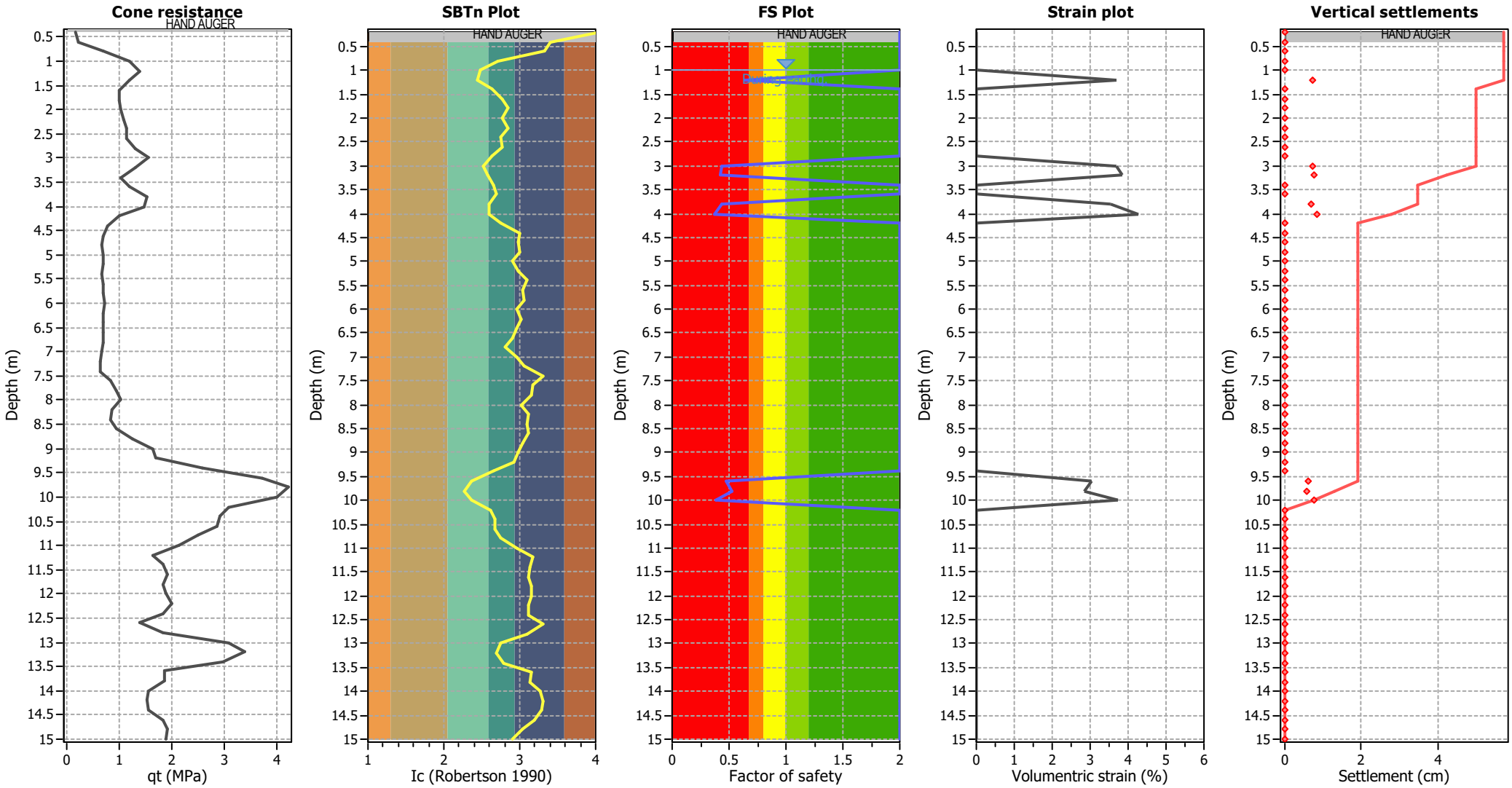
Overall liquefaction potential: 6.18

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

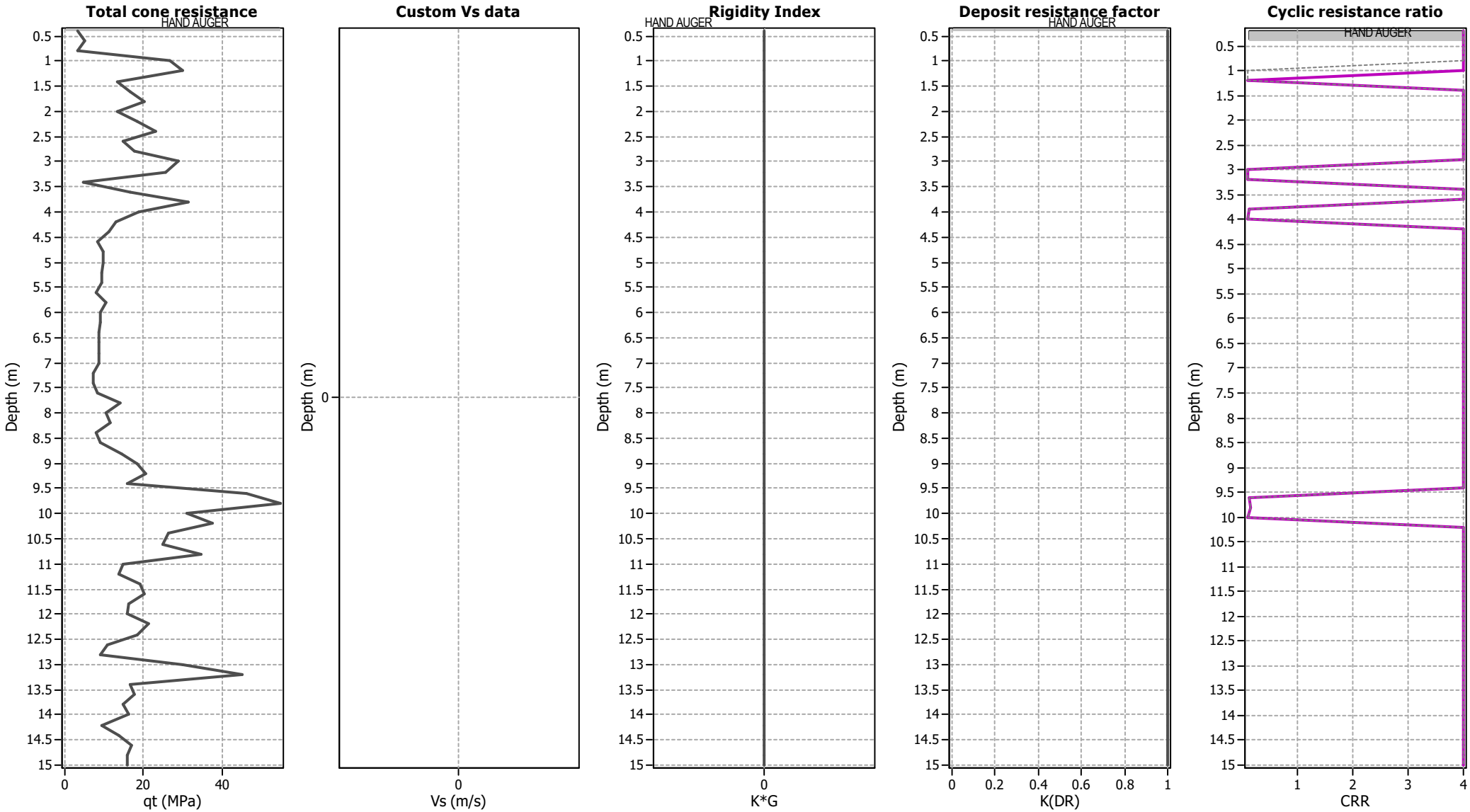
Estimation of post-earthquake settlements



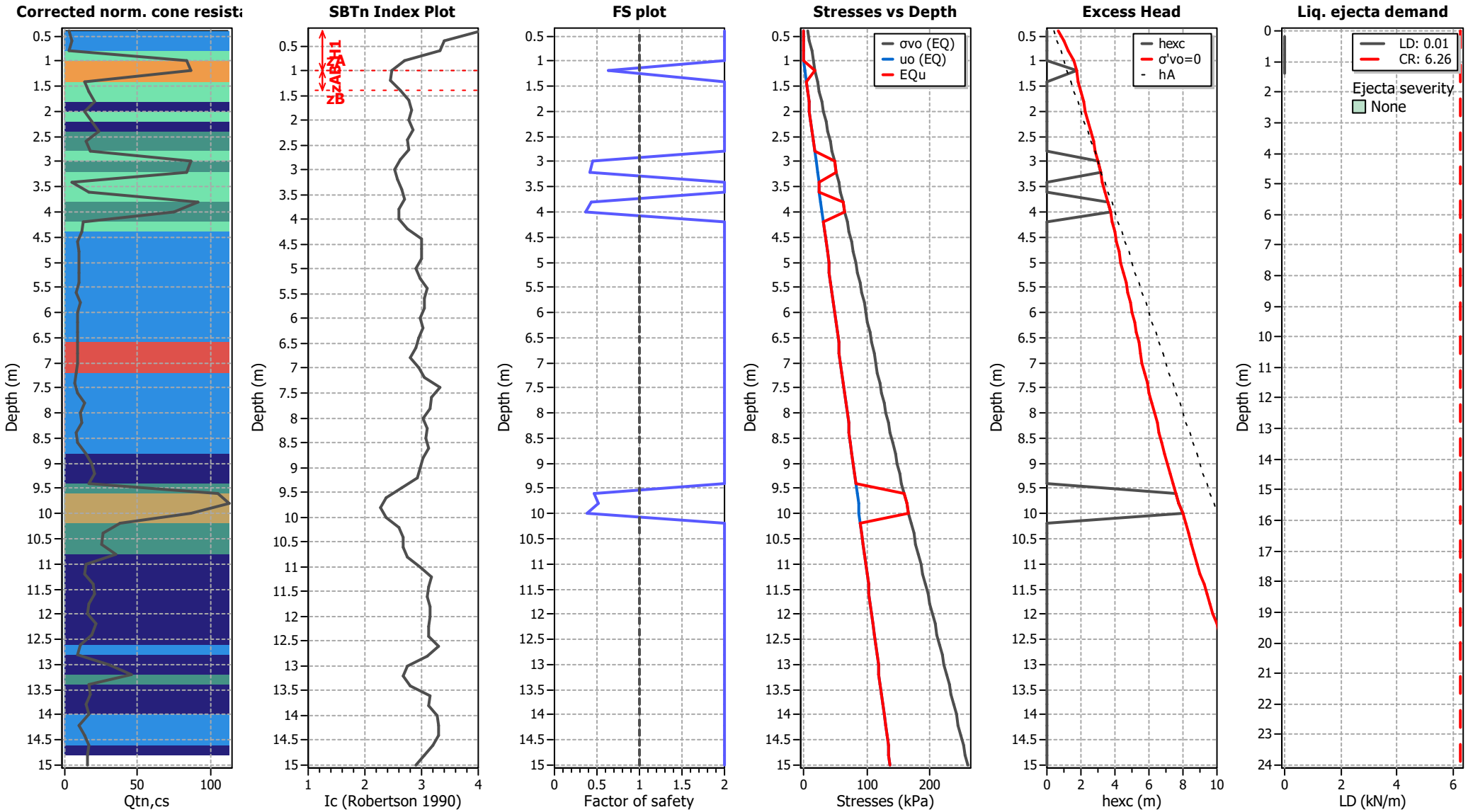
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



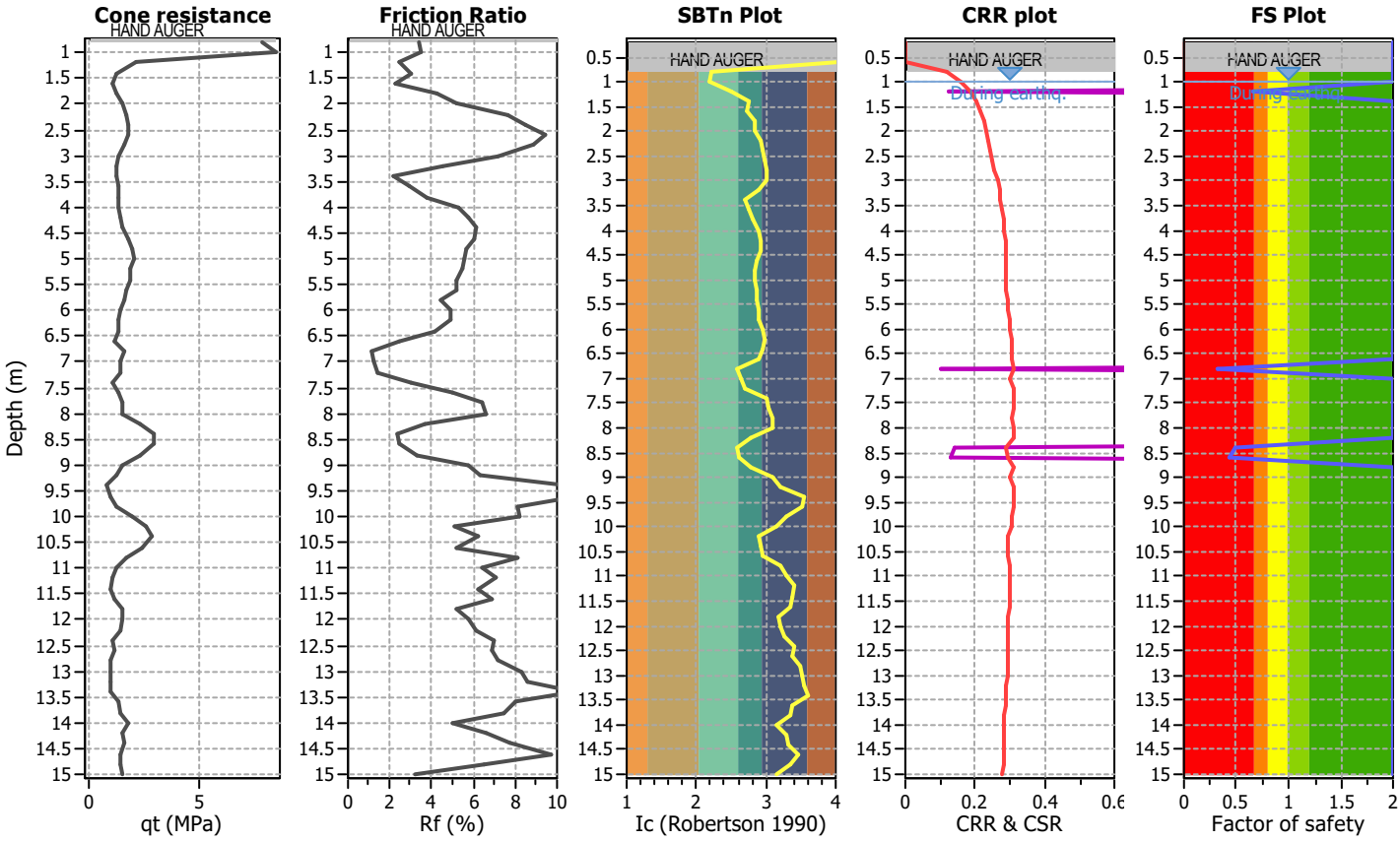
LIQUEFACTION ANALYSIS REPORT

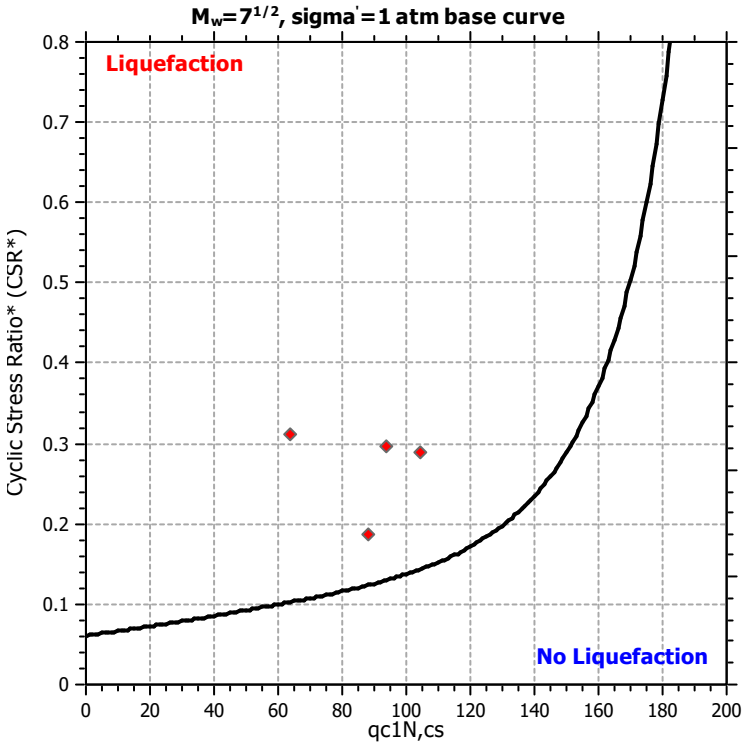
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,26**

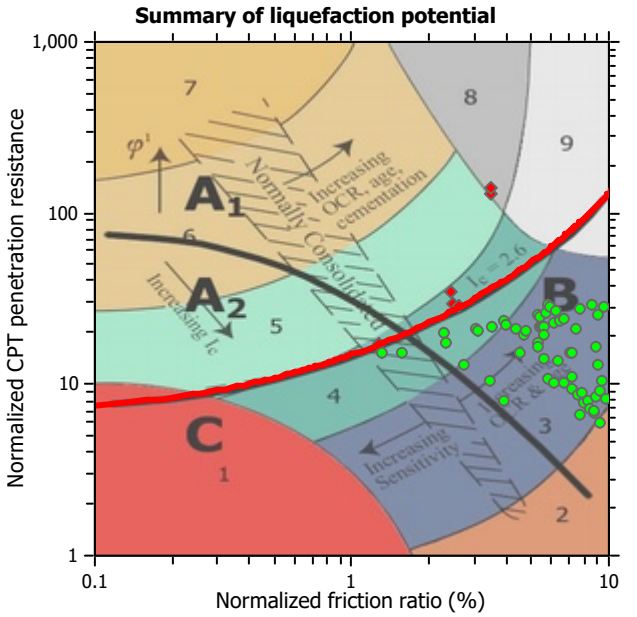
CPT file : 039017P35CPT35

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

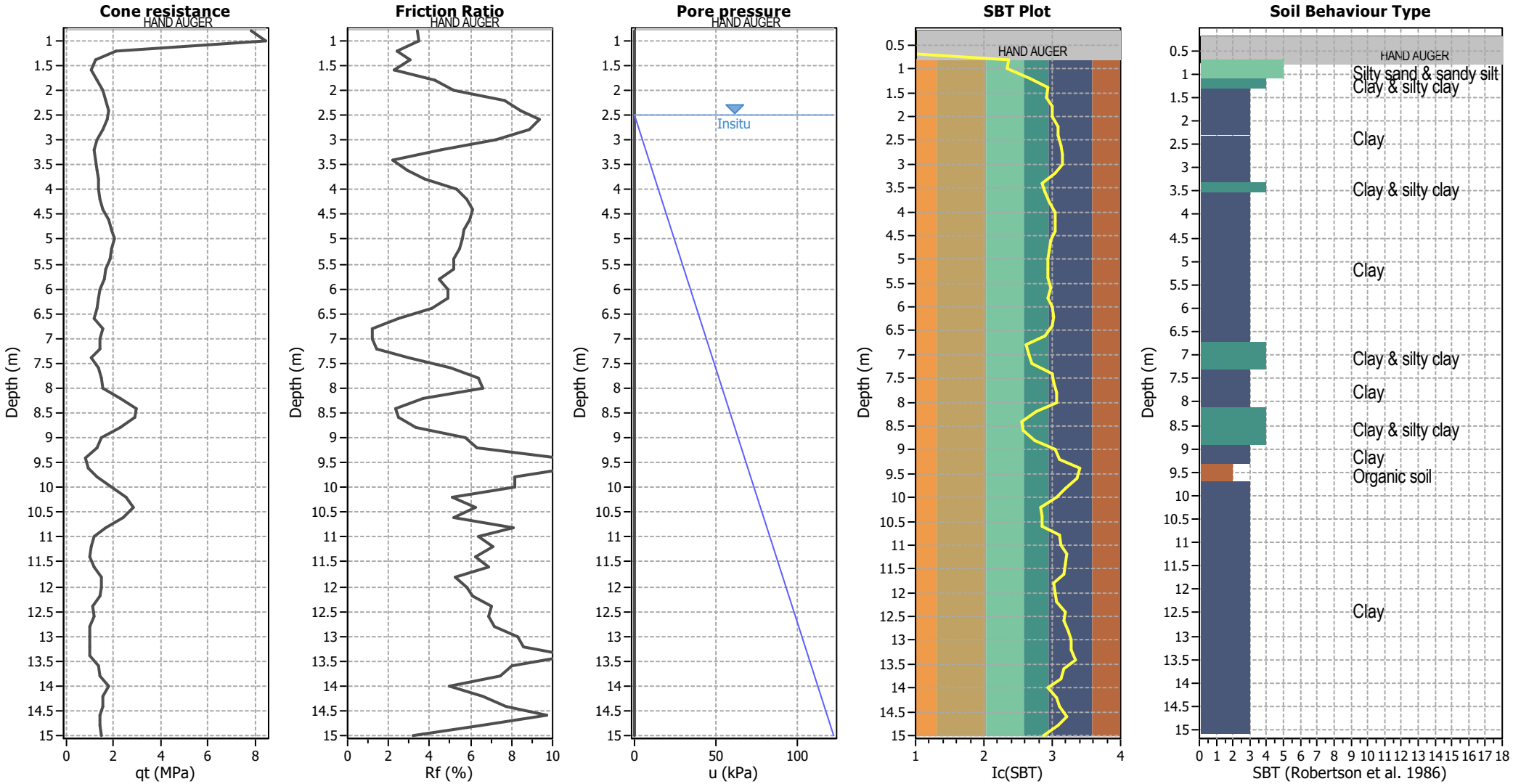






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



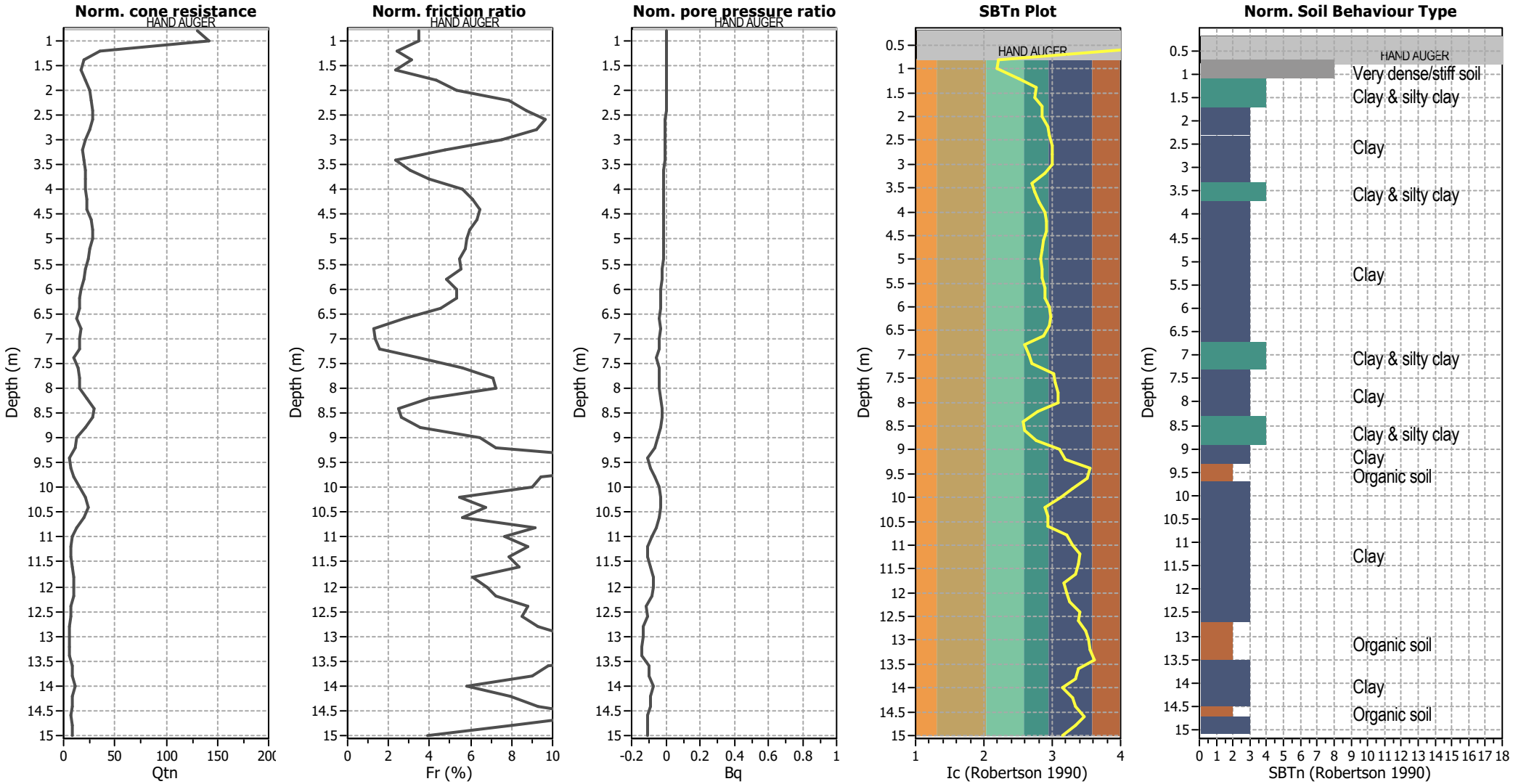
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



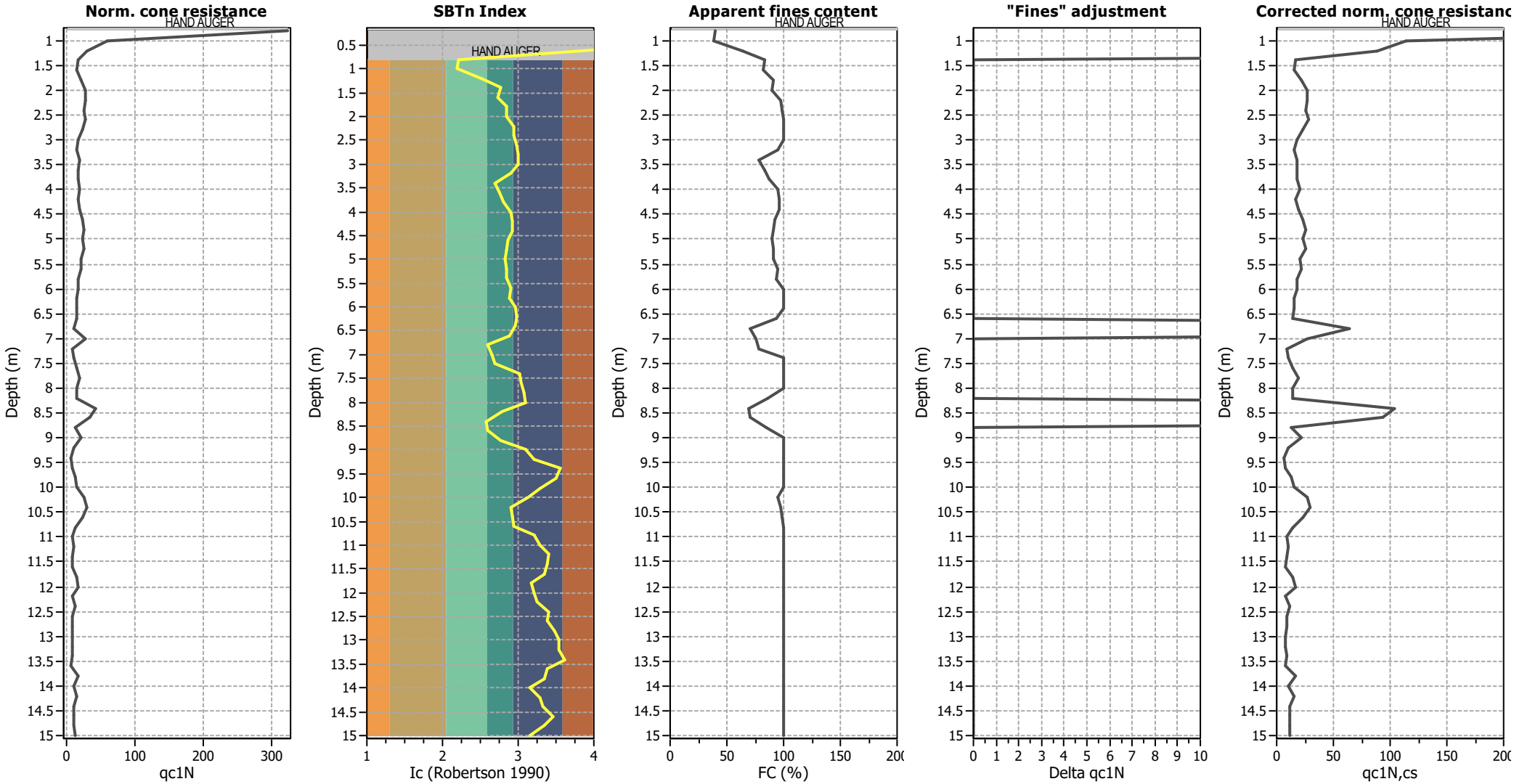
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

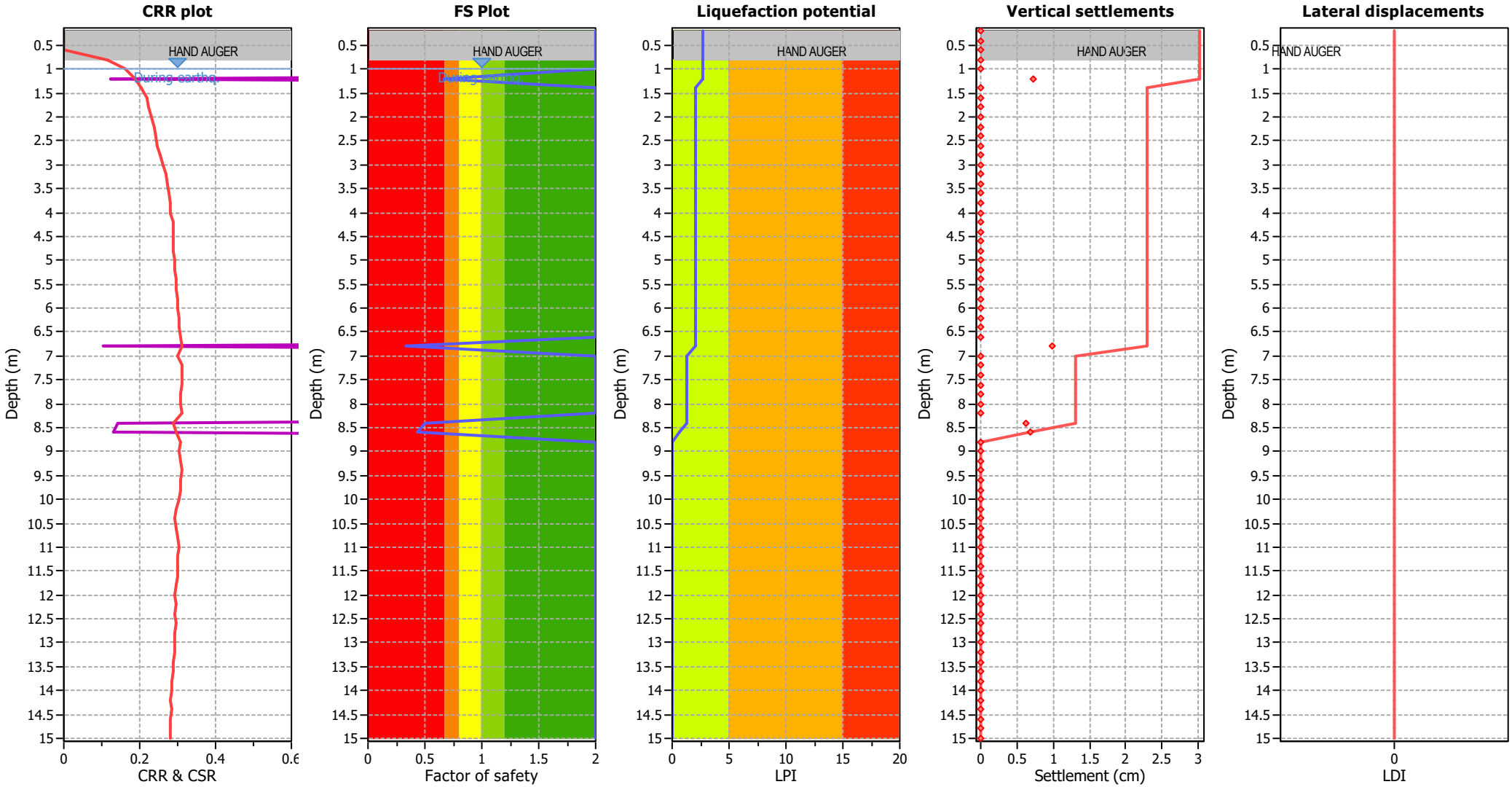
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

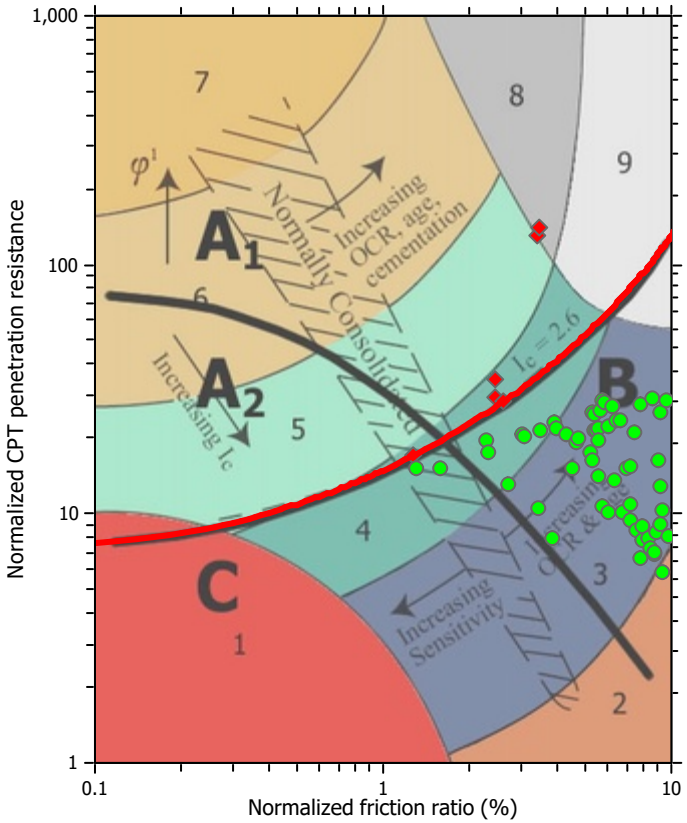
F.S. color scheme

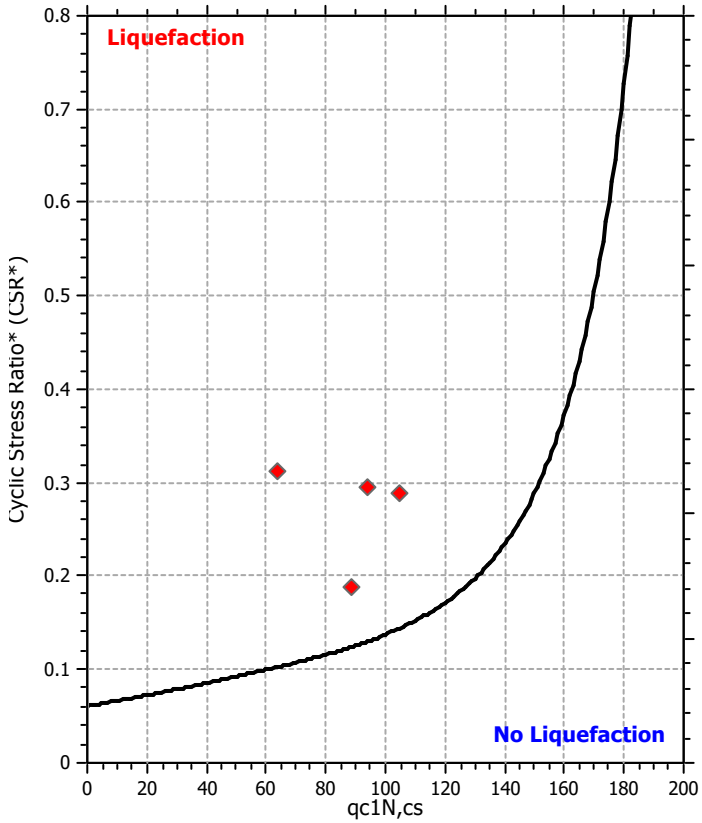
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

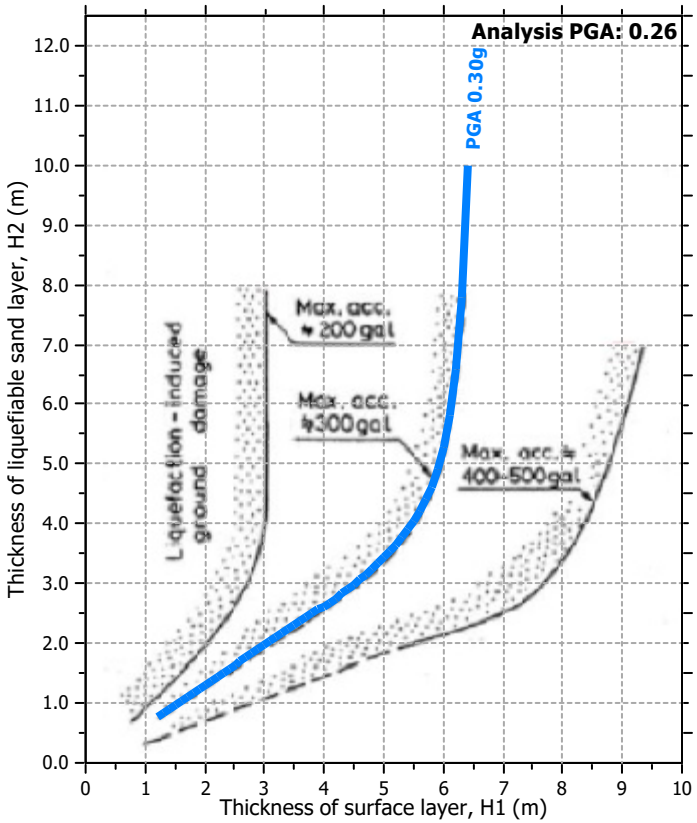
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



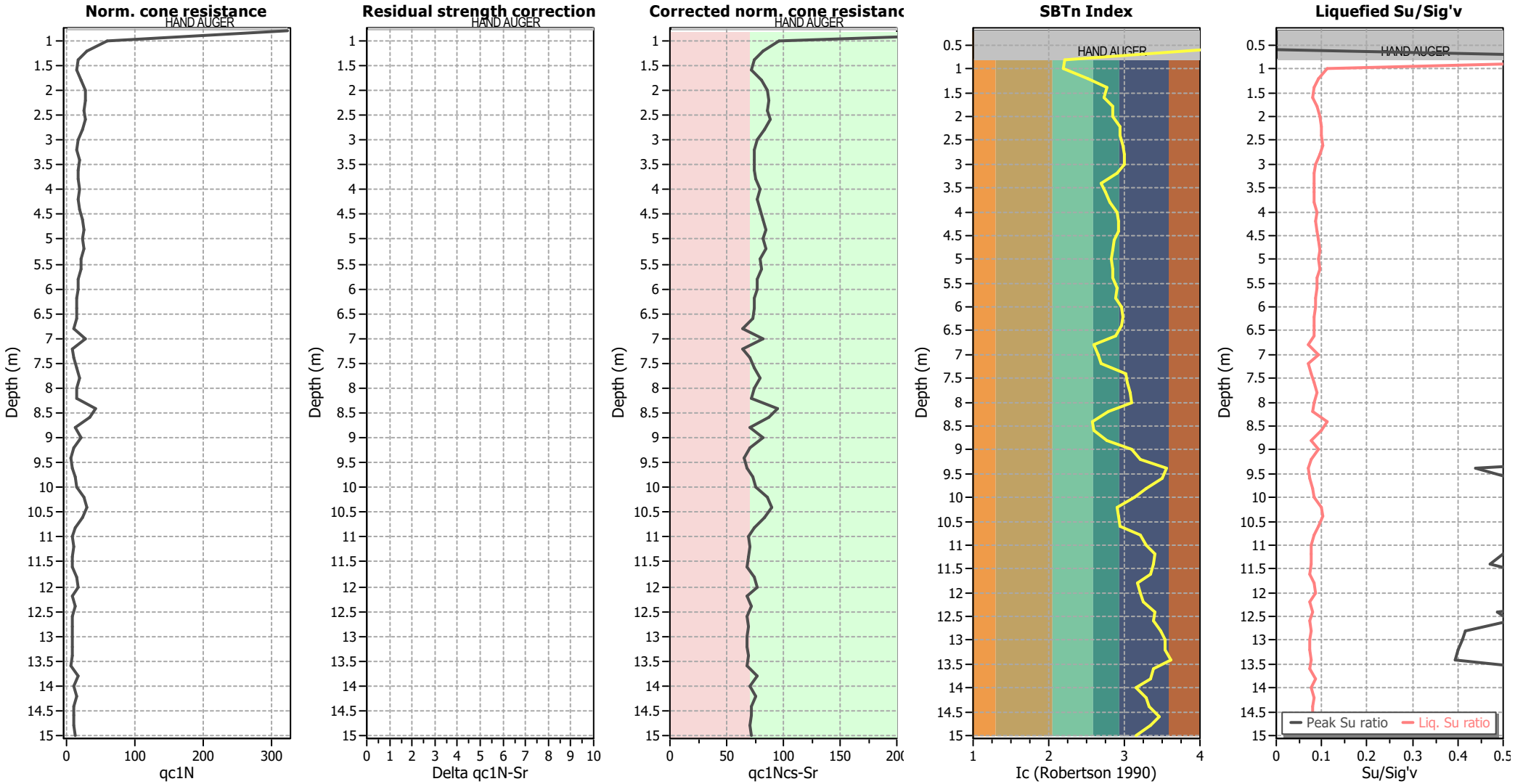




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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}
0.20	2.00	0.00	0.00	0.00	0.00	0.40	2.00	0.00	0.00	0.00	0.00
0.60	2.00	0.00	0.00	0.00	0.00	0.80	2.00	0.00	0.00	0.20	0.00
1.00	2.00	0.00	0.00	0.20	0.00	1.20	0.66	0.34	0.78	0.20	0.64
1.40	2.00	0.00	0.00	0.20	0.00	1.60	2.00	0.00	0.00	0.20	0.00
1.80	2.00	0.00	0.00	0.20	0.00	2.00	2.00	0.00	0.00	0.20	0.00
2.20	2.00	0.00	0.00	0.20	0.00	2.40	2.00	0.00	0.00	0.20	0.00
2.60	2.00	0.00	0.00	0.20	0.00	2.80	2.00	0.00	0.00	0.20	0.00
3.00	2.00	0.00	0.00	0.20	0.00	3.20	2.00	0.00	0.00	0.20	0.00
3.40	2.00	0.00	0.00	0.20	0.00	3.60	2.00	0.00	0.00	0.20	0.00
3.80	2.00	0.00	0.00	0.20	0.00	4.00	2.00	0.00	0.00	0.20	0.00
4.20	2.00	0.00	0.00	0.20	0.00	4.40	2.00	0.00	0.00	0.20	0.00
4.60	2.00	0.00	0.00	0.20	0.00	4.80	2.00	0.00	0.00	0.20	0.00
5.00	2.00	0.00	0.00	0.20	0.00	5.20	2.00	0.00	0.00	0.20	0.00
5.40	2.00	0.00	0.00	0.20	0.00	5.60	2.00	0.00	0.00	0.20	0.00
5.80	2.00	0.00	0.00	0.20	0.00	6.00	2.00	0.00	0.00	0.20	0.00
6.20	2.00	0.00	0.00	0.20	0.00	6.40	2.00	0.00	0.00	0.20	0.00
6.60	2.00	0.00	0.00	0.20	0.00	6.80	0.33	0.67	0.34	0.20	0.89
7.00	2.00	0.00	0.00	0.20	0.00	7.20	2.00	0.00	0.00	0.20	0.00
7.40	2.00	0.00	0.00	0.20	0.00	7.60	2.00	0.00	0.00	0.20	0.00
7.80	2.00	0.00	0.00	0.20	0.00	8.00	2.00	0.00	0.00	0.20	0.00
8.20	2.00	0.00	0.00	0.20	0.00	8.40	0.50	0.50	0.48	0.20	0.58
8.60	0.44	0.56	0.42	0.20	0.64	8.80	2.00	0.00	0.00	0.20	0.00
9.00	2.00	0.00	0.00	0.20	0.00	9.20	2.00	0.00	0.00	0.20	0.00
9.40	2.00	0.00	0.00	0.20	0.00	9.60	2.00	0.00	0.00	0.20	0.00
9.80	2.00	0.00	0.00	0.20	0.00	10.00	2.00	0.00	0.00	0.20	0.00
10.20	2.00	0.00	0.00	0.20	0.00	10.40	2.00	0.00	0.00	0.20	0.00
10.60	2.00	0.00	0.00	0.20	0.00	10.80	2.00	0.00	0.00	0.20	0.00
11.00	2.00	0.00	0.00	0.20	0.00	11.20	2.00	0.00	0.00	0.20	0.00
11.40	2.00	0.00	0.00	0.20	0.00	11.60	2.00	0.00	0.00	0.20	0.00
11.80	2.00	0.00	0.00	0.20	0.00	12.00	2.00	0.00	0.00	0.20	0.00
12.20	2.00	0.00	0.00	0.20	0.00	12.40	2.00	0.00	0.00	0.20	0.00
12.60	2.00	0.00	0.00	0.20	0.00	12.80	2.00	0.00	0.00	0.20	0.00
13.00	2.00	0.00	0.00	0.20	0.00	13.20	2.00	0.00	0.00	0.20	0.00
13.40	2.00	0.00	0.00	0.20	0.00	13.60	2.00	0.00	0.00	0.20	0.00
13.80	2.00	0.00	0.00	0.20	0.00	14.00	2.00	0.00	0.00	0.20	0.00
14.20	2.00	0.00	0.00	0.20	0.00	14.40	2.00	0.00	0.00	0.20	0.00
14.60	2.00	0.00	0.00	0.20	0.00	14.80	2.00	0.00	0.00	0.20	0.00
15.00	2.00	0.00	0.00	0.20	0.00						

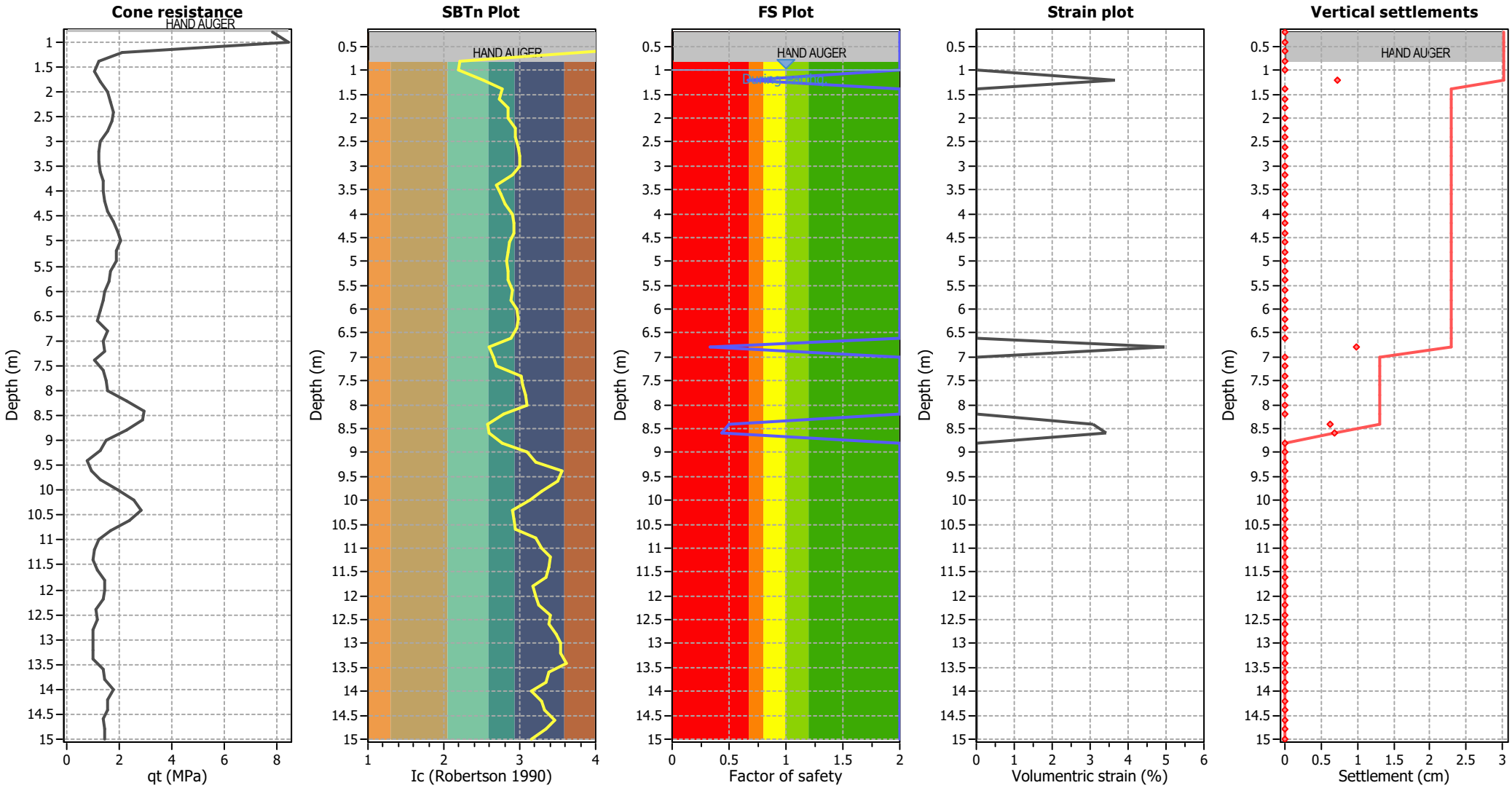
Overall liquefaction potential: 2.74

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

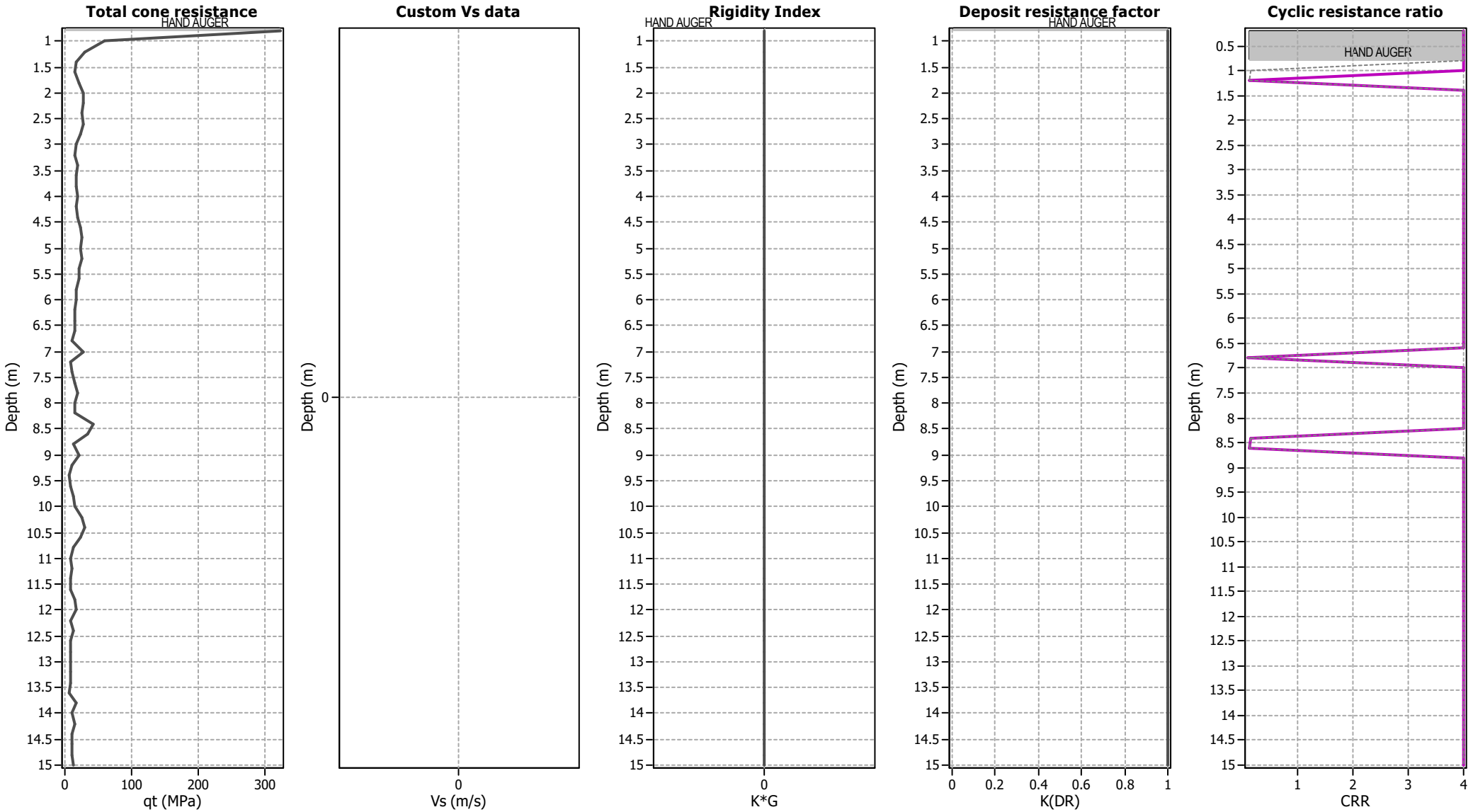
Estimation of post-earthquake settlements



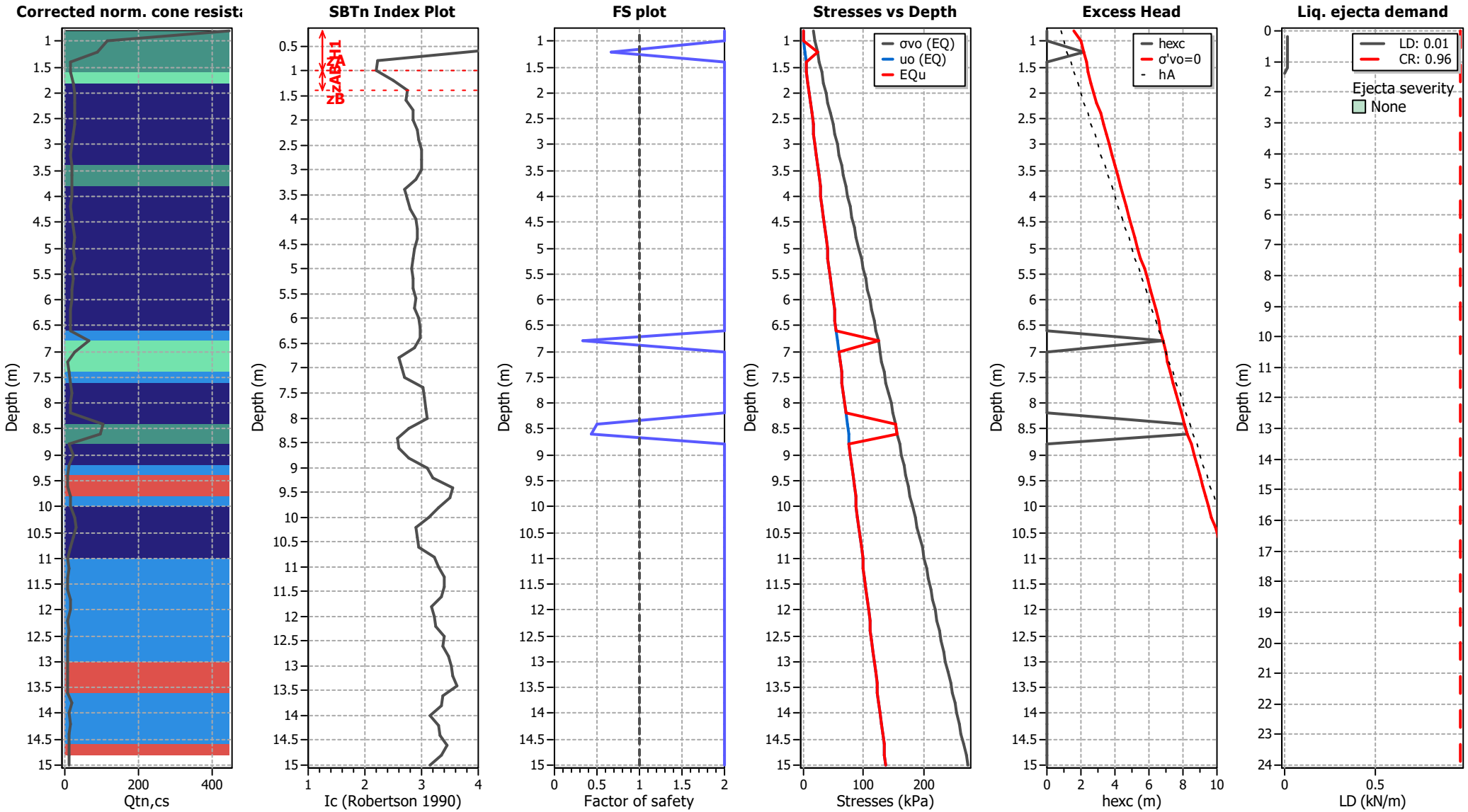
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



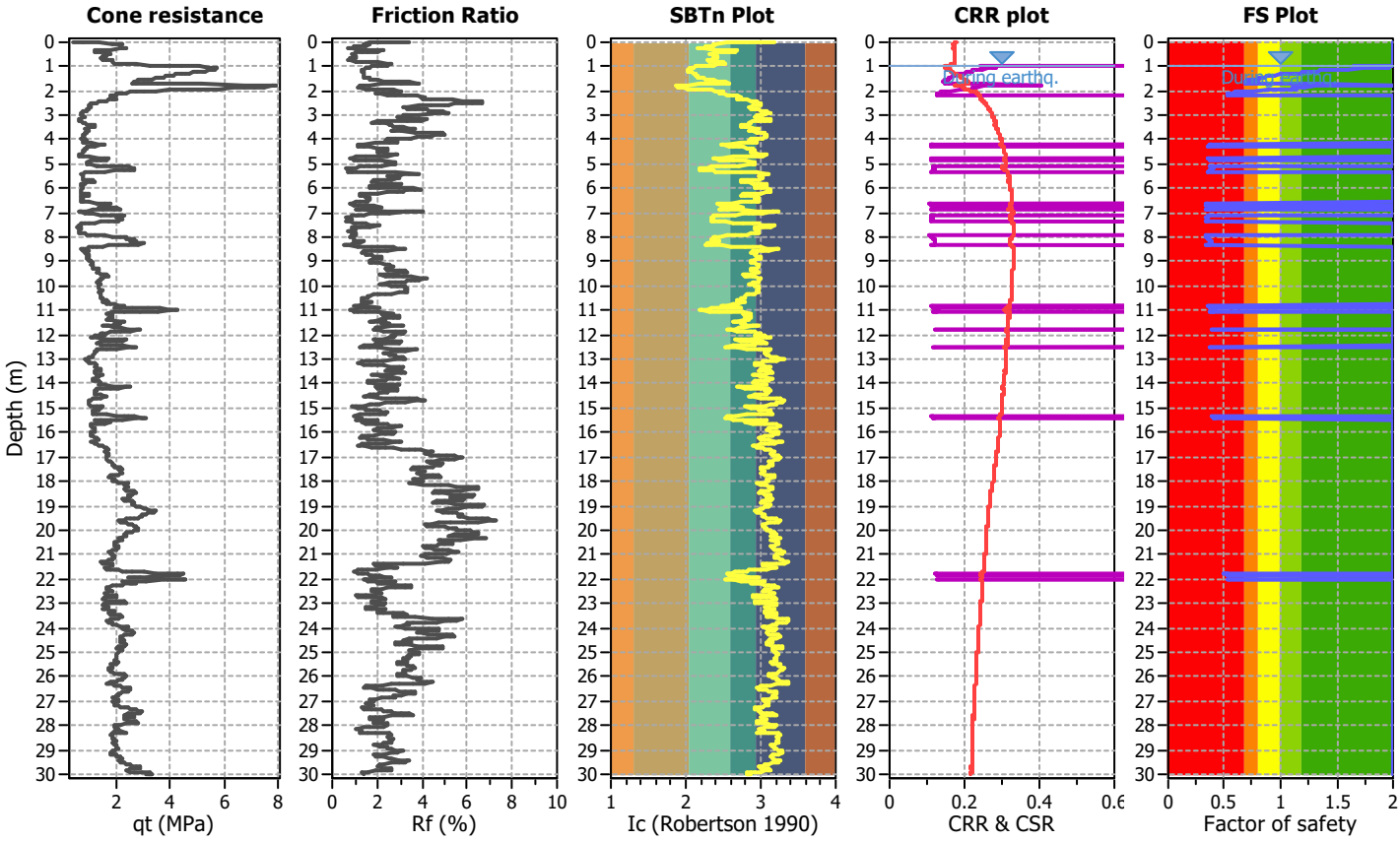
LIQUEFACTION ANALYSIS REPORT

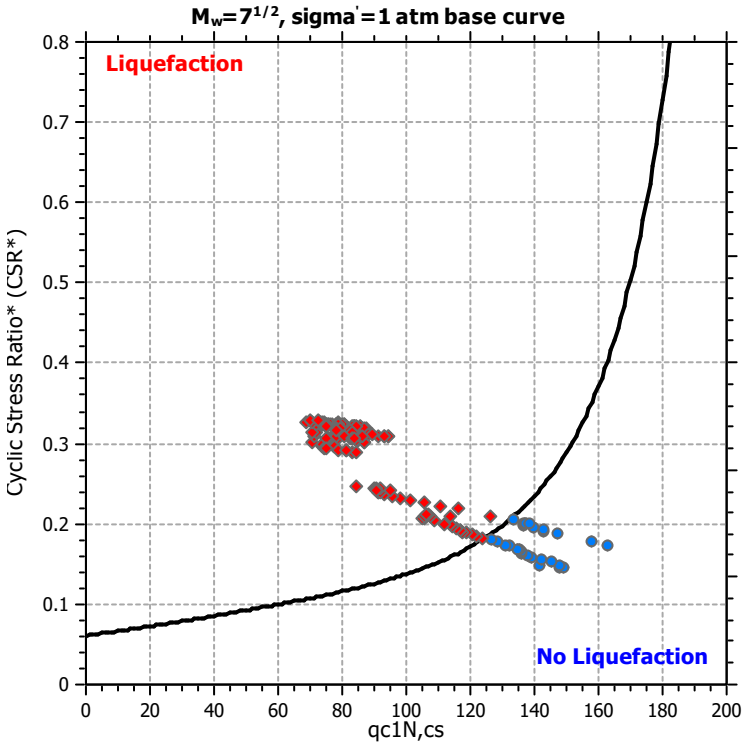
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,26**

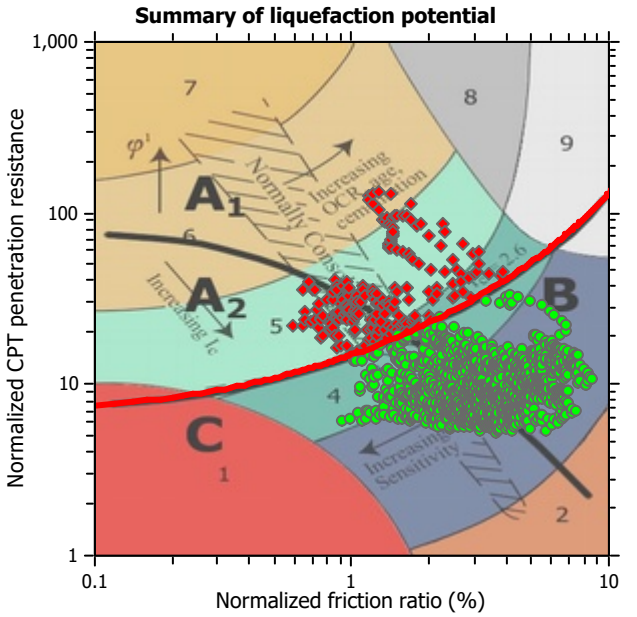
CPT file : 039017P82CPTU85

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

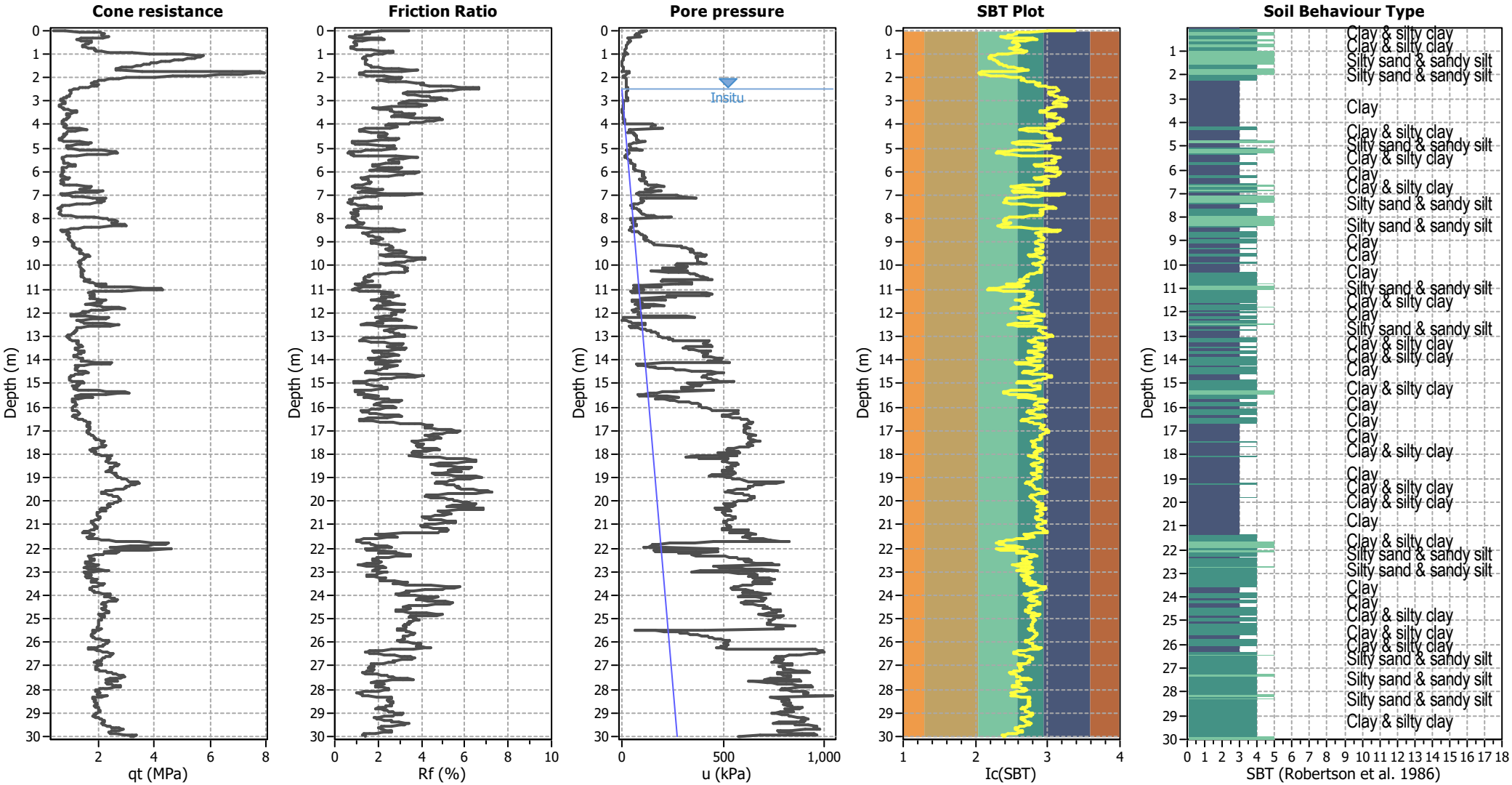






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



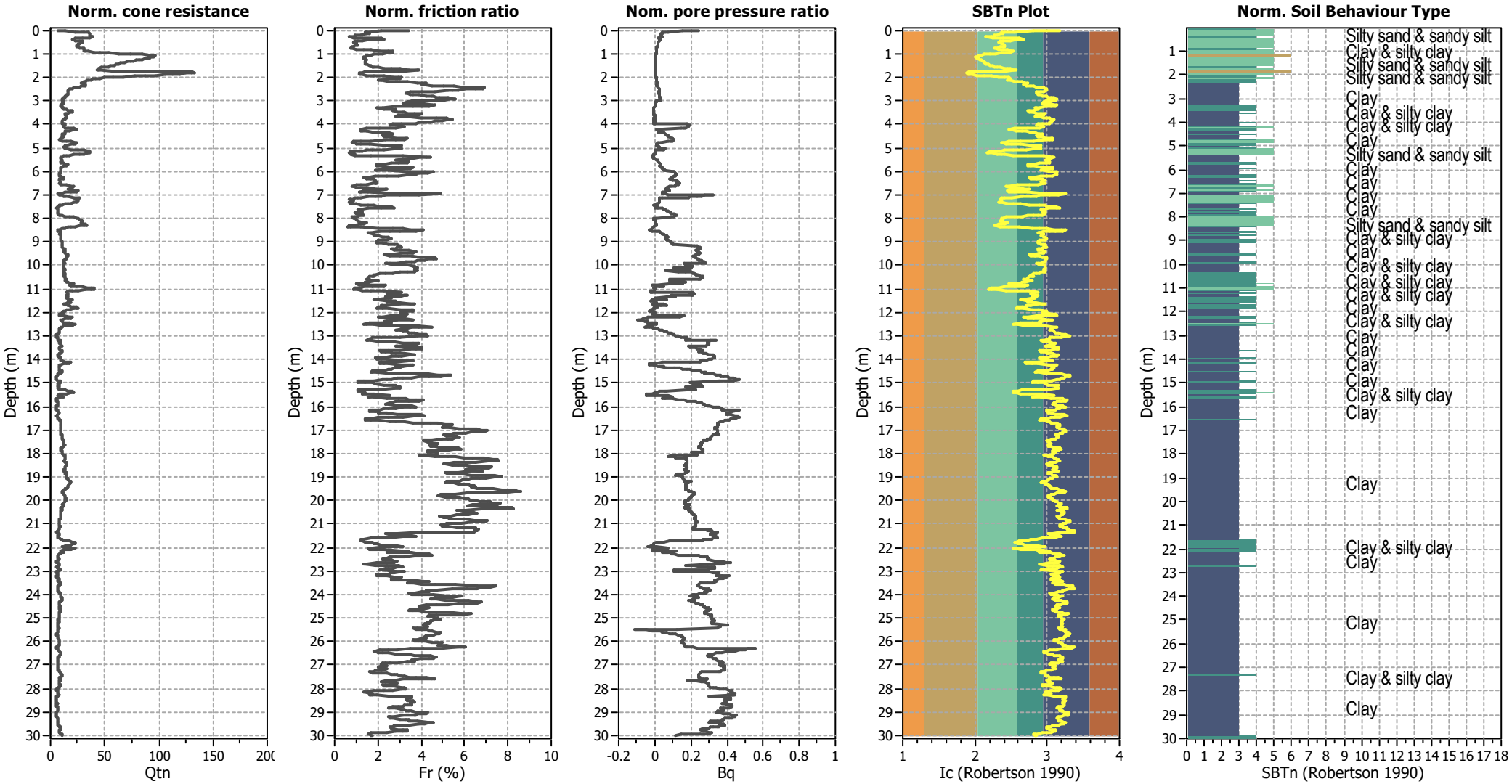
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



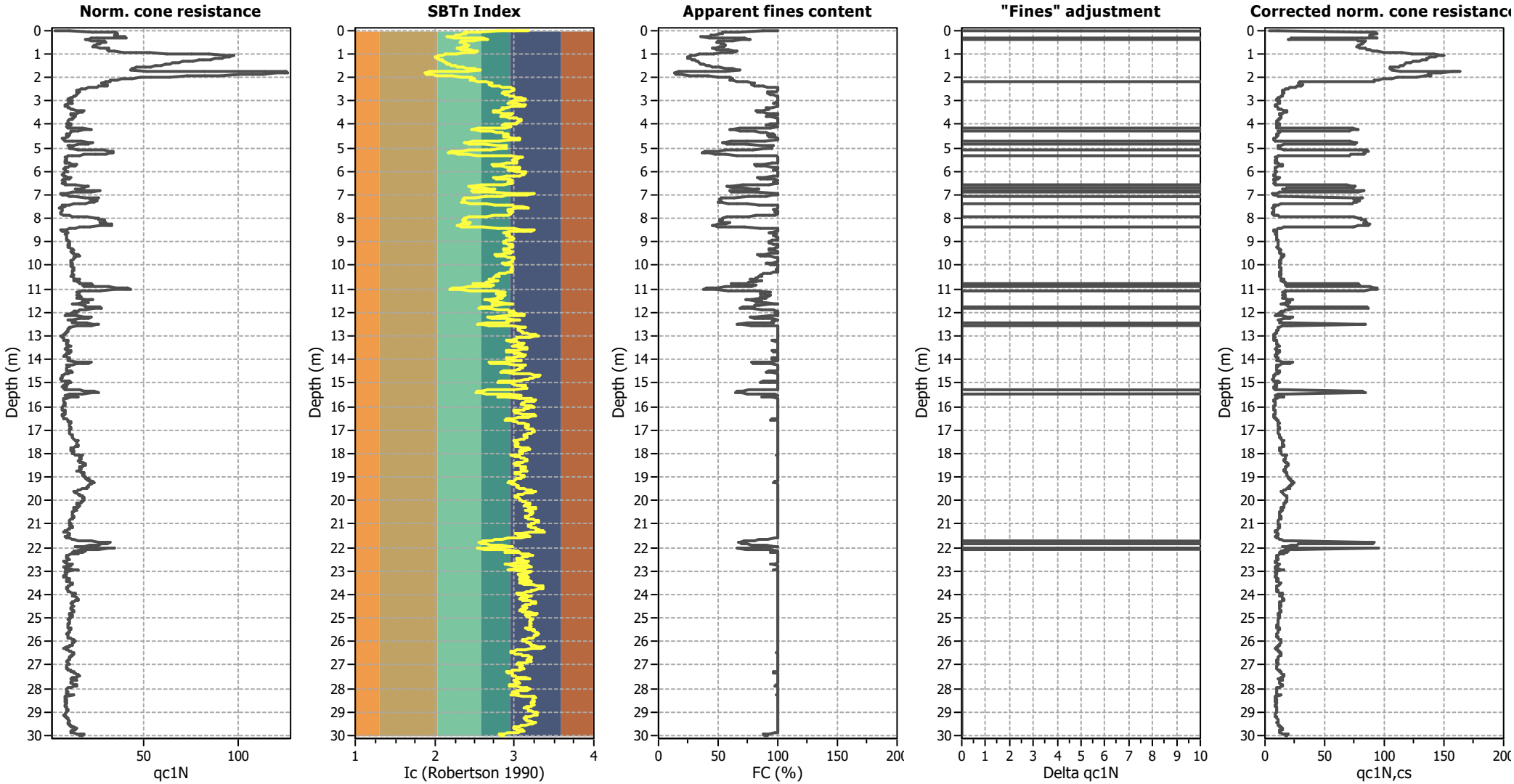
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

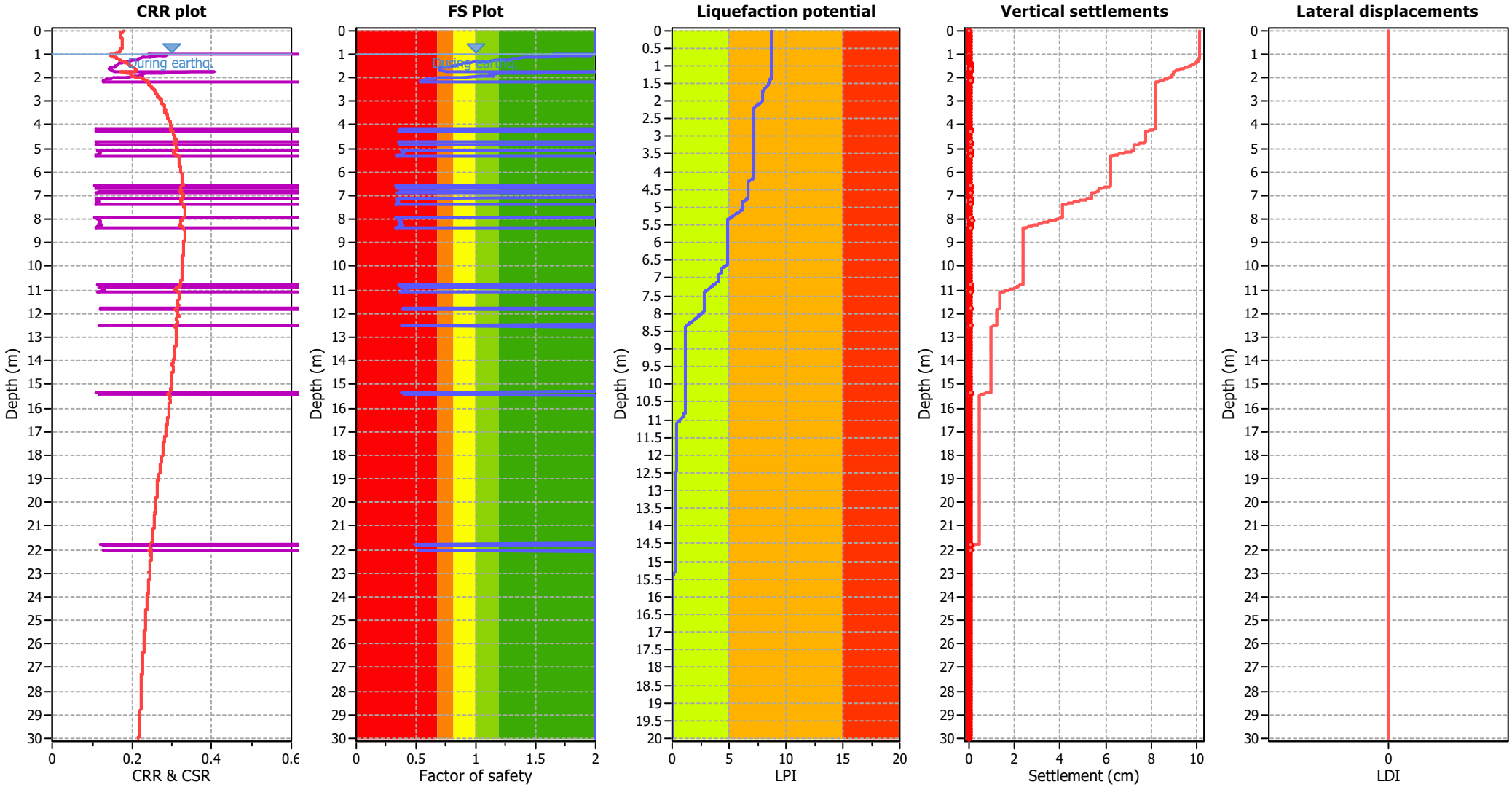
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

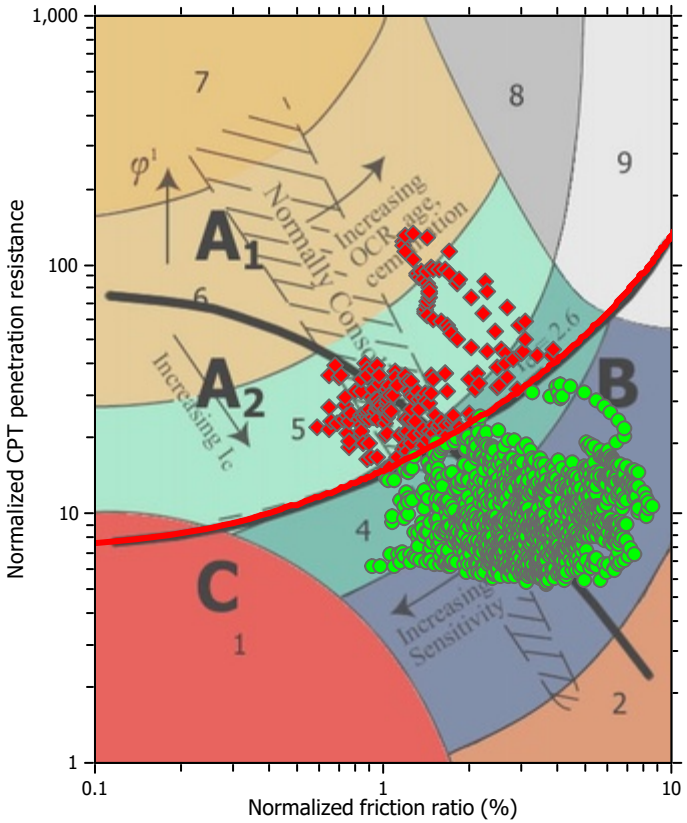
F.S. color scheme

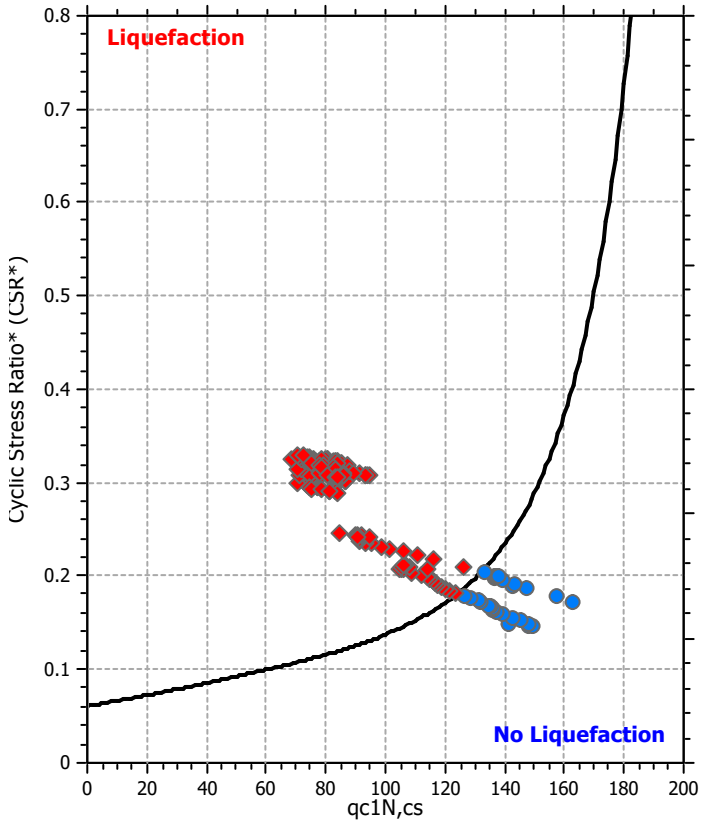
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

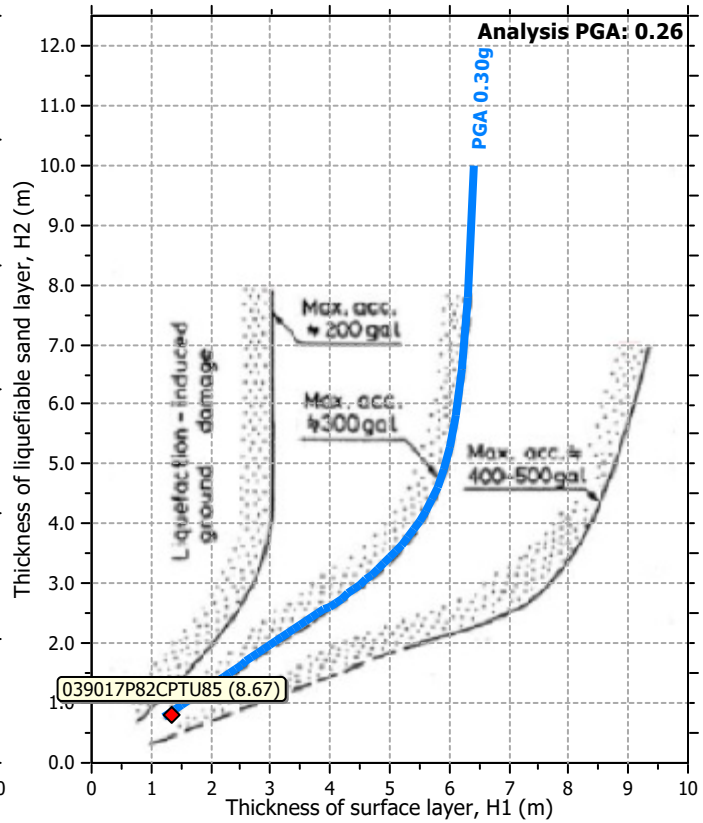
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



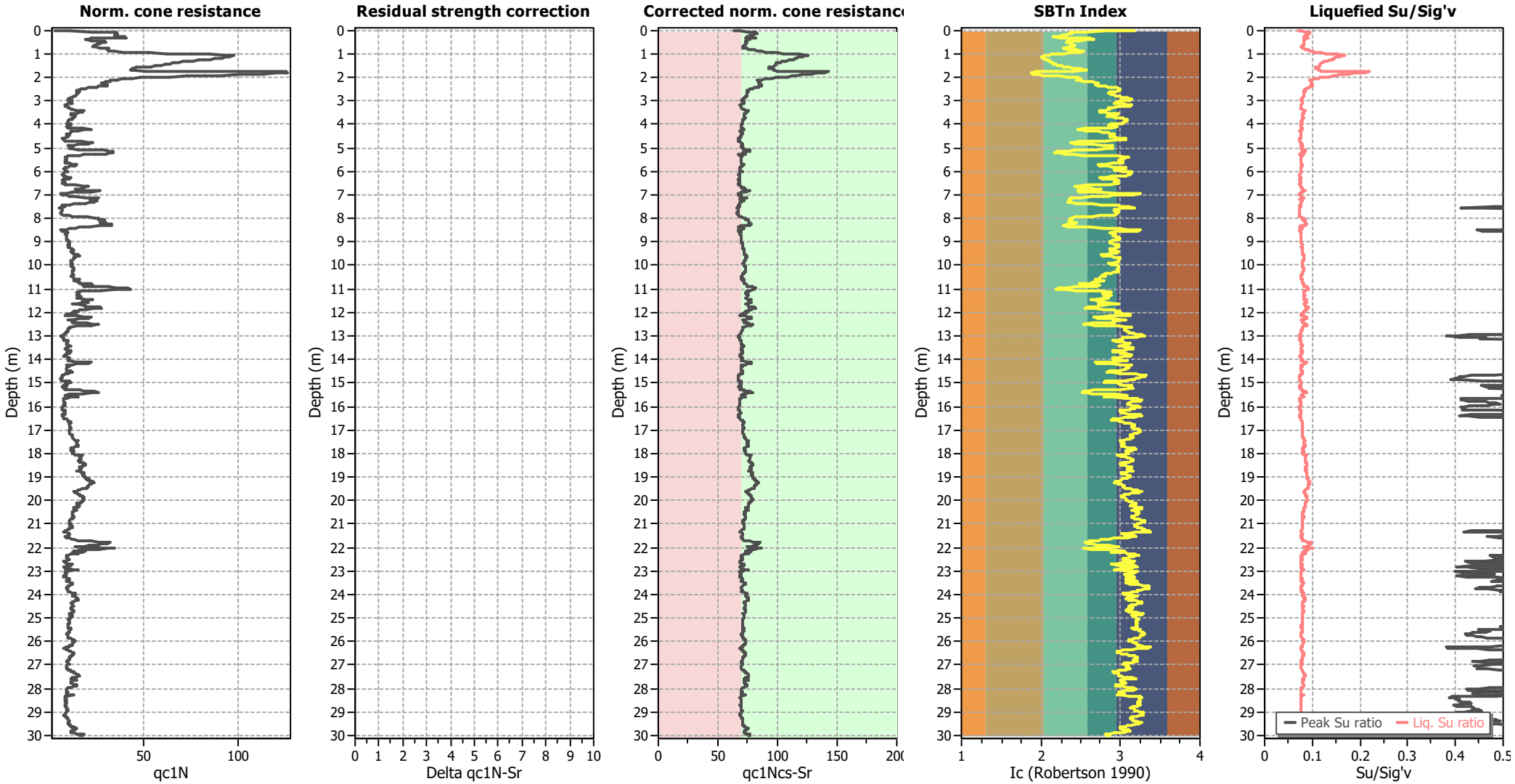




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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	1.64	0.00	0.00	0.02	0.00	1.04	1.92	0.00	0.00	0.02	0.00
1.06	1.96	0.00	0.00	0.02	0.00	1.08	1.87	0.00	0.00	0.02	0.00
1.10	1.73	0.00	0.00	0.02	0.00	1.12	1.60	0.00	0.00	0.02	0.00
1.14	1.46	0.00	0.00	0.02	0.00	1.16	1.40	0.00	0.00	0.02	0.00
1.18	1.35	0.00	0.00	0.02	0.00	1.20	1.34	0.00	0.00	0.02	0.00
1.22	1.31	0.00	0.00	0.02	0.00	1.24	1.28	0.00	0.00	0.02	0.00
1.26	1.20	0.00	0.00	0.02	0.00	1.28	1.17	0.00	0.00	0.02	0.00
1.30	1.10	0.00	0.00	0.02	0.00	1.32	1.05	0.00	0.00	0.02	0.00
1.34	0.99	0.00	0.00	0.02	0.00	1.36	0.95	0.00	0.00	0.02	0.01
1.38	0.93	0.00	0.00	0.02	0.01	1.40	0.89	0.00	0.00	0.02	0.02
1.42	0.87	0.00	0.00	0.02	0.02	1.44	0.86	0.00	0.00	0.02	0.03
1.46	0.85	0.00	0.00	0.02	0.03	1.48	0.83	0.00	0.00	0.02	0.03
1.50	0.81	0.00	0.00	0.02	0.03	1.52	0.80	0.00	0.00	0.02	0.04
1.54	0.78	0.00	0.00	0.02	0.04	1.56	0.74	0.00	0.00	0.02	0.05
1.58	0.70	0.00	0.00	0.02	0.05	1.60	0.69	0.00	0.00	0.02	0.06
1.62	0.70	0.00	0.00	0.02	0.06	1.64	0.69	0.00	0.00	0.02	0.06
1.66	0.71	0.00	0.00	0.02	0.05	1.68	0.70	0.00	0.00	0.02	0.06
1.70	0.69	0.00	0.00	0.02	0.06	1.72	0.76	0.00	0.00	0.02	0.04
1.74	1.32	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	1.98	0.00	0.00	0.02	0.00	1.80	1.47	0.00	0.00	0.02	0.00
1.82	1.31	0.00	0.00	0.02	0.00	1.84	1.20	0.00	0.00	0.02	0.00
1.86	1.12	0.00	0.00	0.02	0.00	1.88	1.11	0.00	0.00	0.02	0.00
1.90	1.13	0.00	0.00	0.02	0.00	1.92	1.13	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	1.15	0.00	0.00	0.02	0.00	1.96	1.03	0.00	0.00	0.02	0.00
1.98	0.89	0.00	0.00	0.02	0.02	2.00	0.75	0.00	0.00	0.02	0.05
2.02	0.69	0.00	0.00	0.02	0.06	2.04	0.64	0.00	0.00	0.02	0.06
2.06	0.60	0.00	0.00	0.02	0.07	2.08	0.58	0.00	0.00	0.02	0.07
2.10	0.56	0.00	0.00	0.02	0.08	2.12	0.55	0.00	0.00	0.02	0.08
2.14	0.53	0.00	0.00	0.02	0.08	2.16	0.53	0.00	0.00	0.02	0.08
2.18	0.53	0.00	0.00	0.02	0.08	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	0.37	0.00	0.00	0.02	0.10	4.20	0.38	0.00	0.00	0.02	0.10
4.22	0.38	0.00	0.00	0.02	0.10	4.24	0.37	0.00	0.00	0.02	0.10
4.26	0.36	0.00	0.00	0.02	0.10	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	0.35	0.00	0.00	0.02	0.10	4.76	0.37	0.00	0.00	0.02	0.10
4.78	0.37	0.00	0.00	0.02	0.10	4.80	0.37	0.00	0.00	0.02	0.10
4.82	0.37	0.00	0.00	0.02	0.10	4.84	0.36	0.00	0.00	0.02	0.10
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	0.37	0.00	0.00	0.02	0.09
5.10	0.40	0.00	0.00	0.02	0.09	5.12	0.40	0.00	0.00	0.02	0.09
5.14	0.40	0.00	0.00	0.02	0.09	5.16	0.40	0.00	0.00	0.02	0.09
5.18	0.39	0.00	0.00	0.02	0.09	5.20	0.39	0.00	0.00	0.02	0.09
5.22	0.39	0.00	0.00	0.02	0.09	5.24	0.39	0.00	0.00	0.02	0.09
5.26	0.39	0.00	0.00	0.02	0.09	5.28	0.37	0.00	0.00	0.02	0.09
5.30	0.35	0.00	0.00	0.02	0.10	5.32	0.34	0.00	0.00	0.02	0.10
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	0.33	0.00	0.00	0.02	0.09
6.62	0.34	0.00	0.00	0.02	0.09	6.64	0.35	0.00	0.00	0.02	0.09
6.66	0.34	0.00	0.00	0.02	0.09	6.68	0.34	0.00	0.00	0.02	0.09
6.70	0.34	0.00	0.00	0.02	0.09	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	0.36	0.00	0.00	0.02	0.08	6.84	0.37	0.00	0.00	0.02	0.08
6.86	0.35	0.00	0.00	0.02	0.08	6.88	0.34	0.00	0.00	0.02	0.09
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	0.34	0.66	0.35	0.02	0.08	7.12	0.37	0.63	0.36	0.02	0.08
7.14	0.36	0.64	0.36	0.02	0.08	7.16	0.36	0.64	0.35	0.02	0.08
7.18	0.35	0.65	0.35	0.02	0.08	7.20	0.34	0.66	0.35	0.02	0.08
7.22	0.35	0.65	0.35	0.02	0.08	7.24	0.35	0.65	0.35	0.02	0.08
7.26	0.36	0.64	0.36	0.02	0.08	7.28	0.35	0.65	0.35	0.02	0.08
7.30	0.35	0.65	0.35	0.02	0.08	7.32	0.35	0.65	0.35	0.02	0.08
7.34	0.34	0.66	0.35	0.02	0.08	7.36	0.34	0.66	0.34	0.02	0.08
7.38	0.33	0.67	0.34	0.02	0.08	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	0.33	0.67	0.34	0.02	0.08	7.96	0.34	0.66	0.34	0.02	0.08
7.98	0.35	0.65	0.35	0.02	0.08	8.00	0.36	0.64	0.36	0.02	0.08
8.03	0.36	0.64	0.36	0.03	0.12	8.05	0.36	0.64	0.36	0.02	0.08
8.06	0.36	0.64	0.36	0.01	0.04	8.08	0.37	0.63	0.37	0.02	0.07
8.10	0.37	0.63	0.36	0.02	0.07	8.12	0.37	0.63	0.36	0.02	0.07
8.14	0.37	0.63	0.37	0.02	0.07	8.16	0.38	0.62	0.37	0.02	0.07
8.18	0.37	0.63	0.36	0.02	0.07	8.20	0.37	0.63	0.36	0.02	0.07
8.22	0.37	0.63	0.36	0.02	0.07	8.24	0.38	0.62	0.37	0.02	0.07
8.26	0.39	0.61	0.38	0.02	0.07	8.28	0.38	0.62	0.37	0.02	0.07
8.30	0.37	0.63	0.37	0.02	0.07	8.32	0.35	0.65	0.35	0.02	0.08
8.34	0.34	0.66	0.34	0.02	0.08	8.36	0.33	0.67	0.34	0.02	0.08
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	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	0.35	0.65	0.35	0.02	0.06	10.80	0.36	0.64	0.36	0.02	0.06
10.82	0.36	0.64	0.36	0.02	0.06	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	0.37	0.63	0.37	0.02	0.06	10.92	0.40	0.60	0.38	0.02	0.05
10.94	0.41	0.59	0.39	0.02	0.05	10.96	0.42	0.58	0.40	0.02	0.05
10.98	0.42	0.58	0.40	0.02	0.05	11.00	0.42	0.58	0.40	0.02	0.05
11.02	0.42	0.58	0.40	0.02	0.05	11.04	0.40	0.60	0.39	0.02	0.05
11.06	0.38	0.62	0.37	0.02	0.06	11.08	0.36	0.64	0.36	0.02	0.06
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	0.39	0.61	0.38	0.02	0.05	11.80	0.39	0.61	0.38	0.02	0.05
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	0.38	0.62	0.37	0.02	0.05
12.50	0.39	0.61	0.38	0.02	0.05	12.52	0.39	0.61	0.38	0.02	0.05
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	0.38	0.62	0.37	0.02	0.03
15.34	0.38	0.62	0.37	0.02	0.03	15.36	0.39	0.61	0.38	0.02	0.03

:: 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	0.40	0.60	0.39	0.02	0.03	15.40	0.41	0.59	0.39	0.02	0.03
15.42	0.41	0.59	0.40	0.02	0.03	15.44	0.40	0.60	0.39	0.02	0.03
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	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	0.49	0.00	0.00	0.02	0.00
21.78	0.51	0.00	0.00	0.02	0.00	21.80	0.52	0.00	0.00	0.02	0.00
21.82	0.52	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	0.54	0.00	0.00	0.02	0.00	22.04	0.52	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

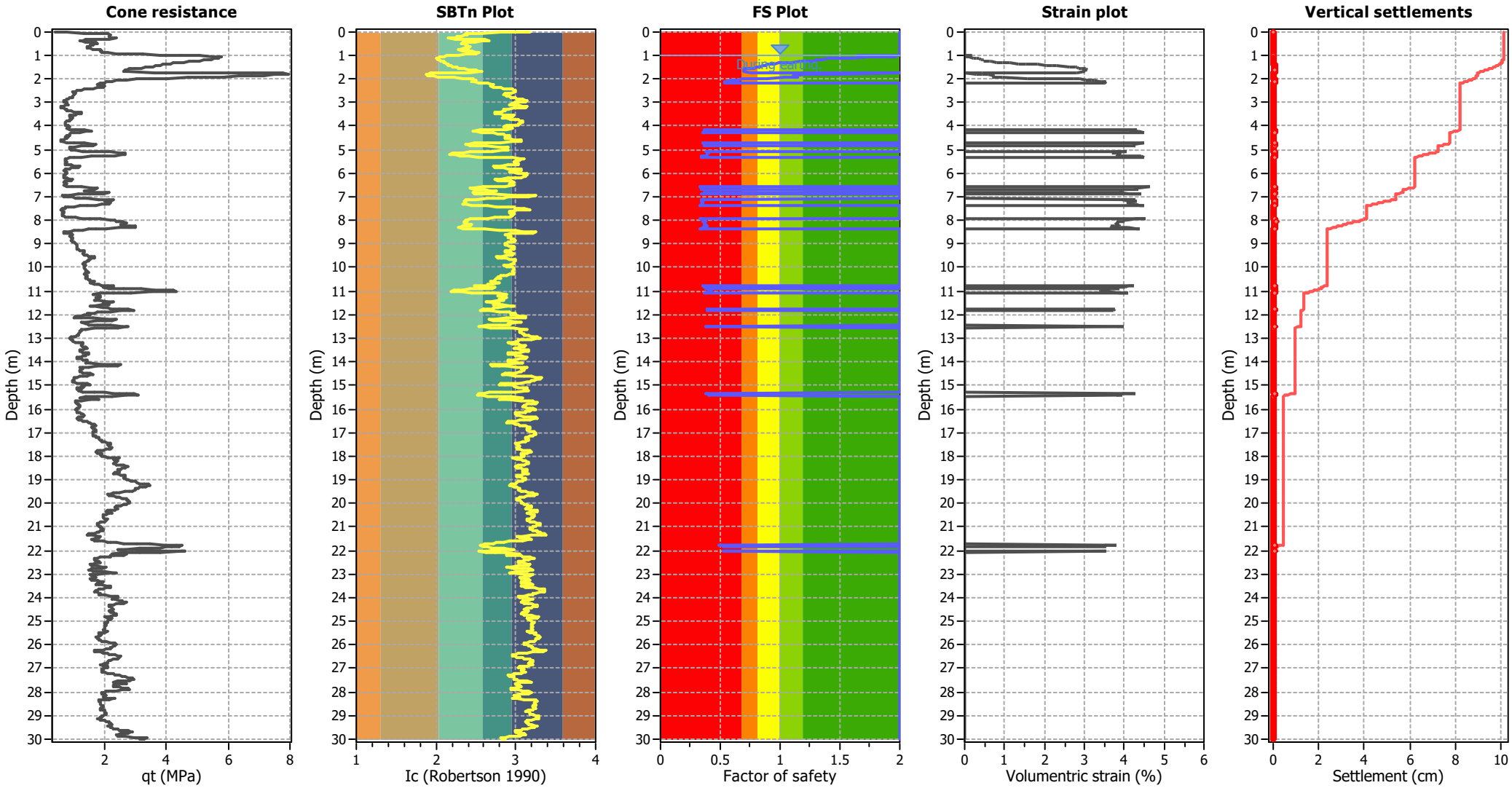
Overall liquefaction potential: 8.67

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

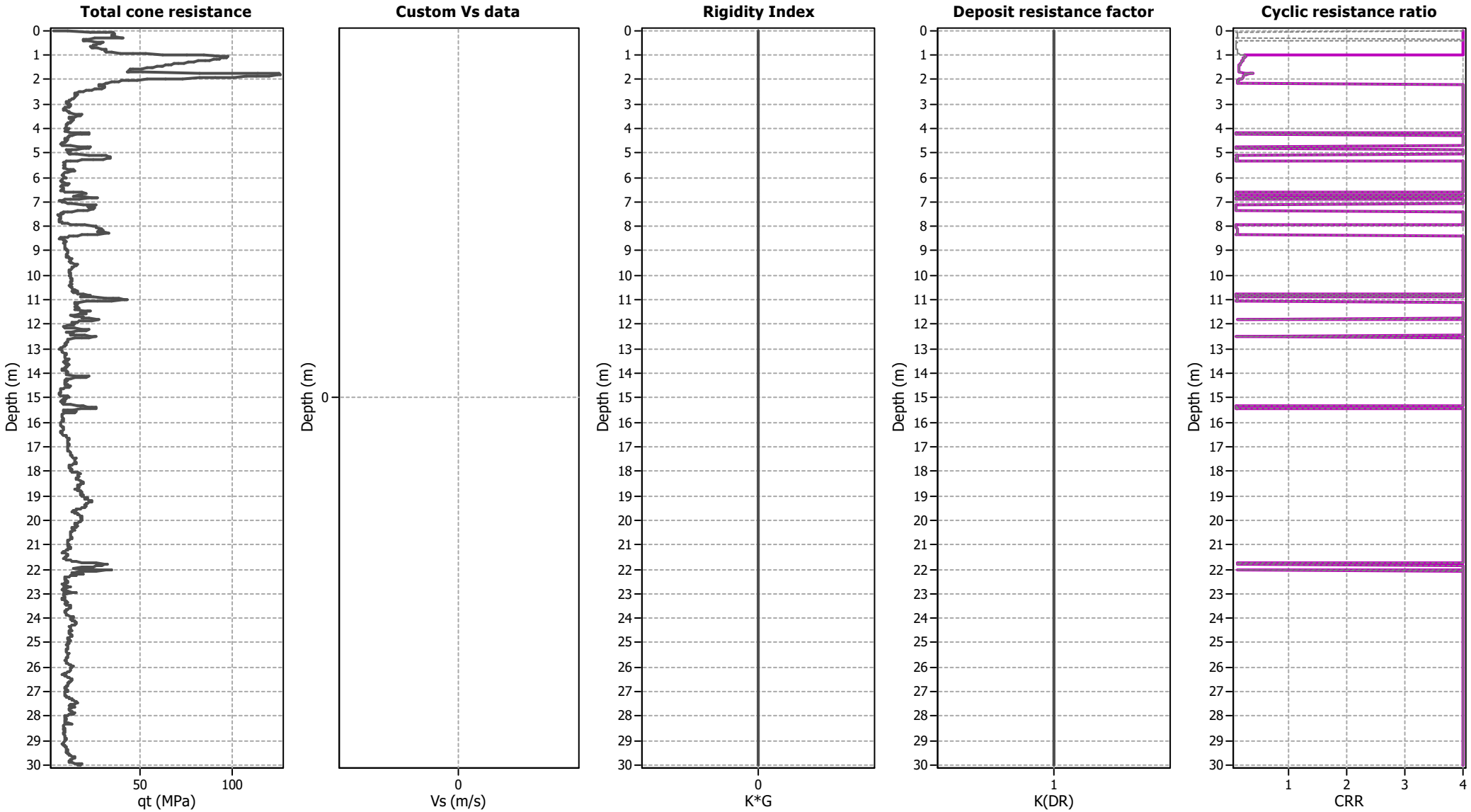
Estimation of post-earthquake settlements



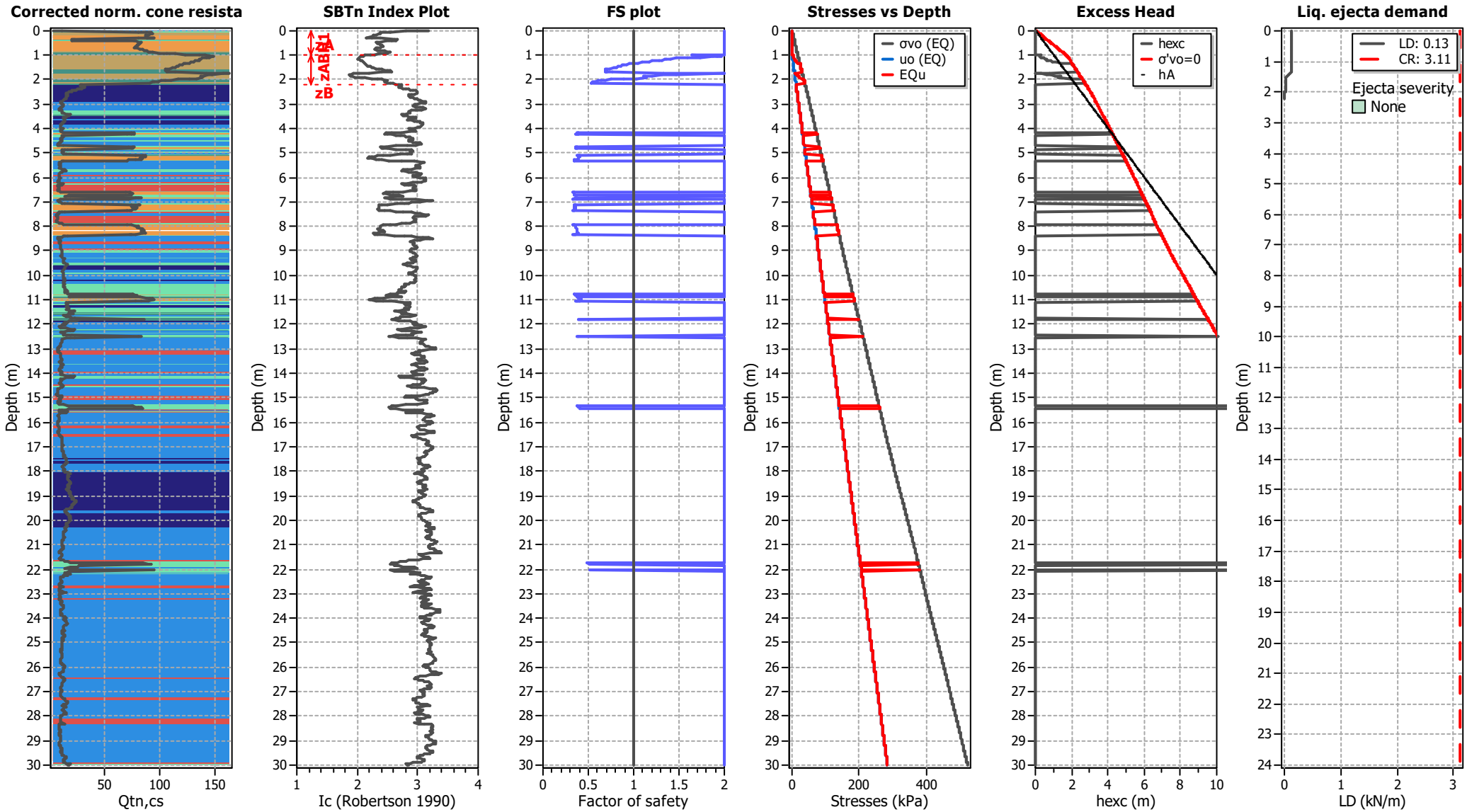
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation

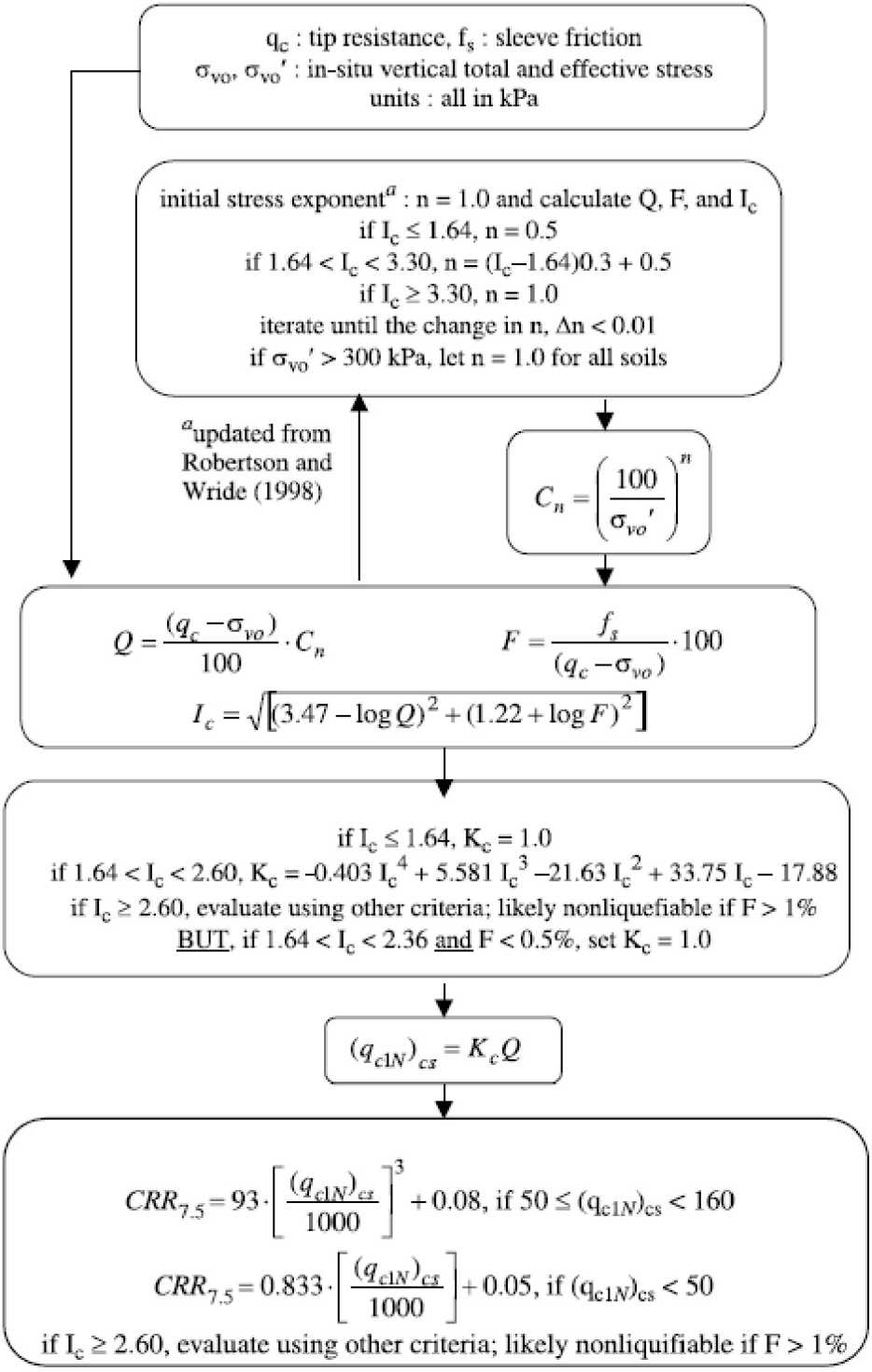


Ejecta Severity Estimation



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

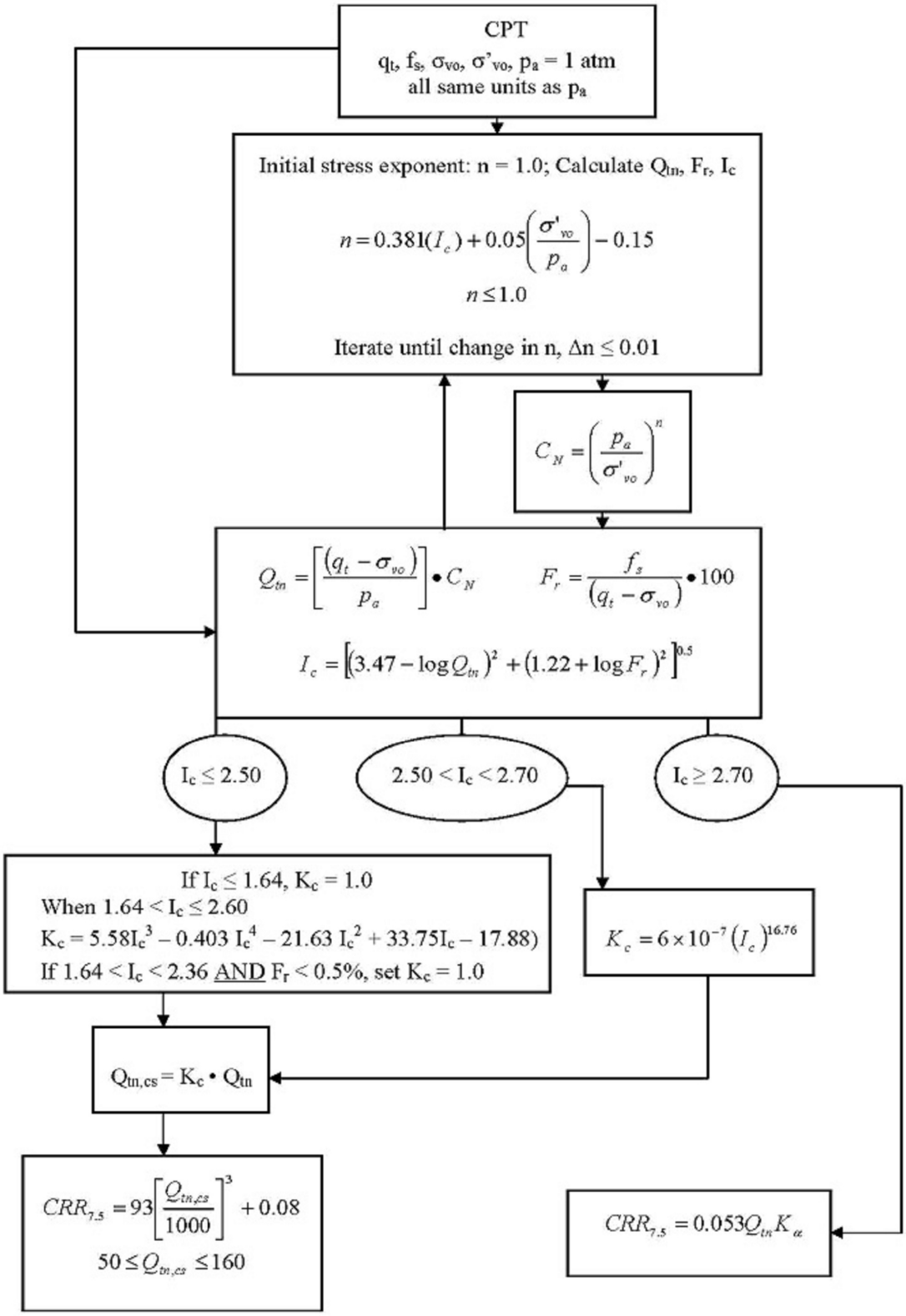
Calculation of soil resistance against liquefaction is performed according to the Robertson & Wride (1998) procedure. The procedure used in the software, slightly differs from the one originally published in NCEER-97-0022 (Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils). The revised procedure is presented below in the form of a flowchart[1]:



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

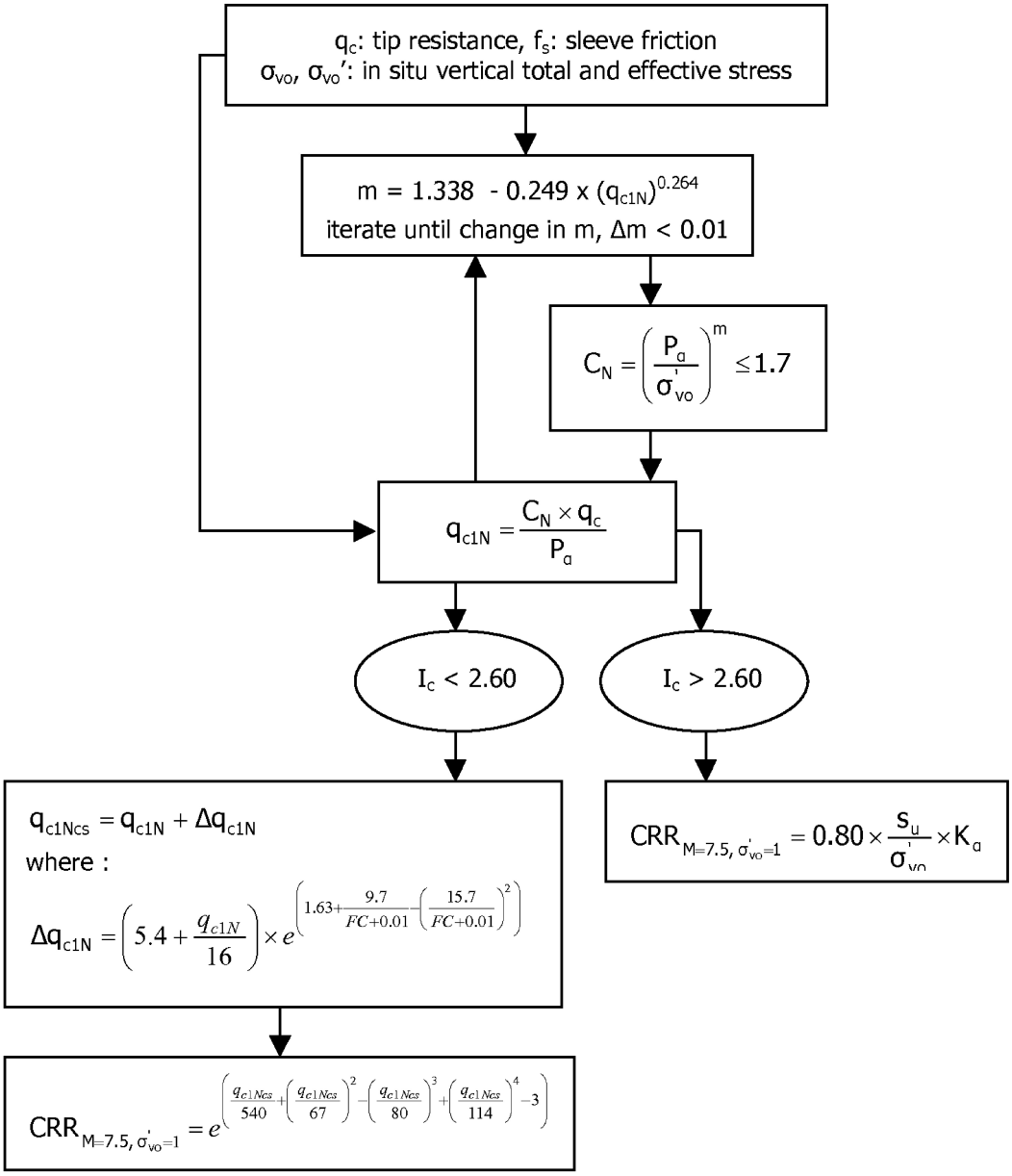
Procedure for the evaluation of soil liquefaction resistance (all soils), Robertson (2010)

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 flowchart[1]:

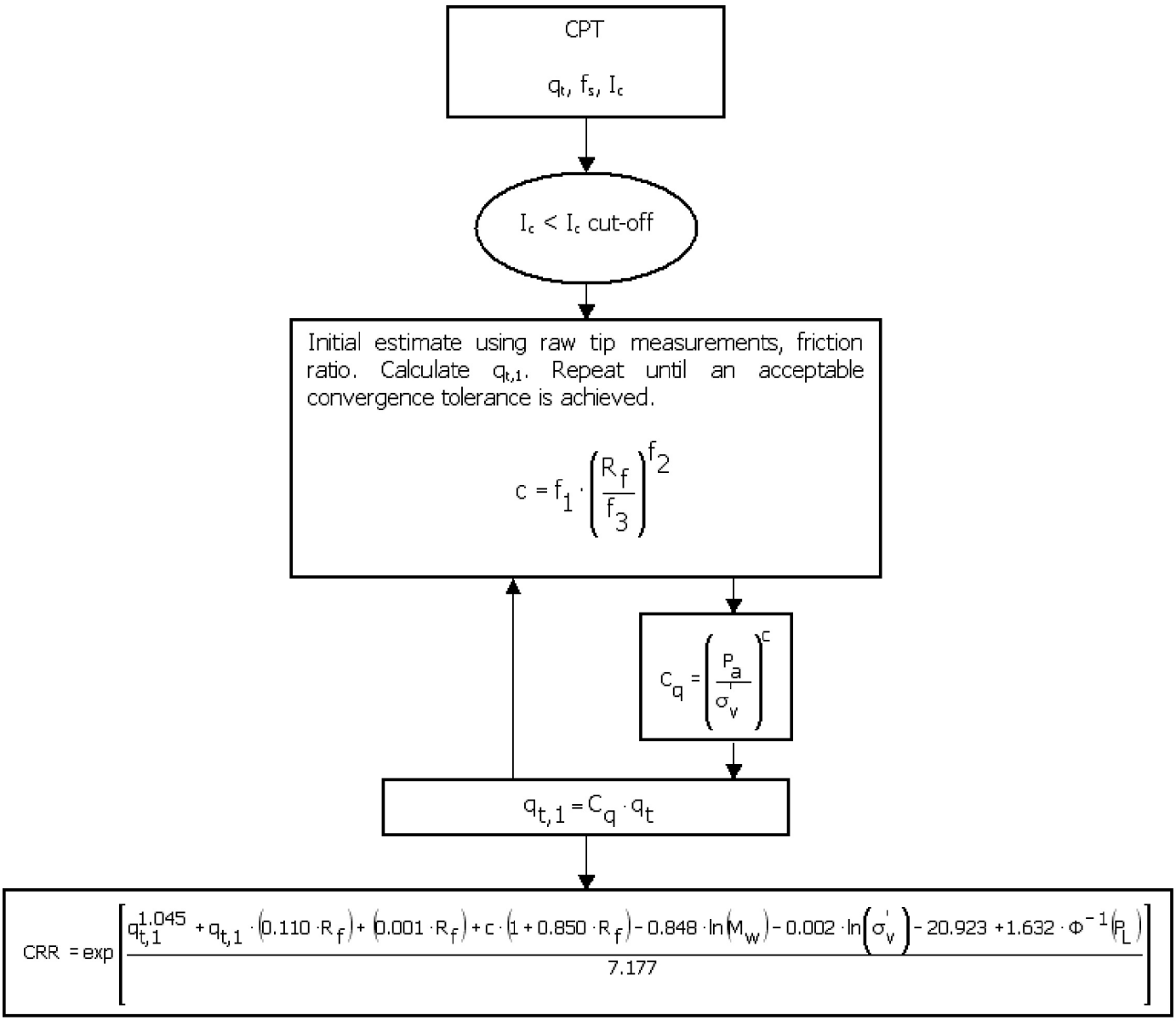


[1] P.K. Robertson, 2009. "Performance based earthquake design using the CPT", Keynote Lecture, International Conference on Performance-based Design in Earthquake Geotechnical Engineering – from case history to practice, IS-Tokyo, June 2009

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)

$$FS_{liq} = \frac{CRR_{M=7.5,\sigma'_v=1atm}}{CSR_{M=7.5,\sigma'_v=1atm}}$$

$$CSR_{M=7.5,\sigma'_v=1atm} = 0.65 \frac{\sigma_v}{\sigma'_v} \frac{a_{max}}{g} r_d \frac{1}{MSF} \frac{1}{K_\sigma}$$

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

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

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

$$K_\sigma = 1 - C_\sigma \ln\left(\frac{\sigma'_v}{P_a}\right) \le 1.1$$

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

$$MSF = 1 + \left(MSF_{max} - 1\right)\left(8.64 \exp\left(\frac{-M}{4}\right) - 1.325\right)$$

$$MSF_{max} = 1.09 + \left(\frac{q_{C1Ncs}}{180}\right)^3 \le 2.2$$

σ'_v *and* σ_v *at start of earthquake shaking*

$$CRR_{M=7.5,\sigma'_v=1atm} = \exp\left(\frac{q_{c1Ncs}}{113} + \left(\frac{q_{c1Ncs}}{1000}\right)^2 - \left(\frac{q_{c1Ncs}}{140}\right)^3 + \left(\frac{q_{c1Ncs}}{137}\right)^4 - 2.80\right)$$

$$q_{c1Ncs} = q_{c1N} + \Delta q_{c1N}$$

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

$$q_{c1N} = C_{Ne} \frac{q_c}{P_a}$$

$$C_{Ne} = \left(\frac{P_a}{\sigma'_v}\right)^m \le 1.7$$

$$m = 1.338 - 0.249\left(q_{c1Ncs}\right)^{0.264} \quad with \quad 0.264 \le m \le 0.782$$

$$FC = 80\left(I_C + C_{FC}\right) - 137 \quad with \quad 0\% \le FC \le 100\%$$

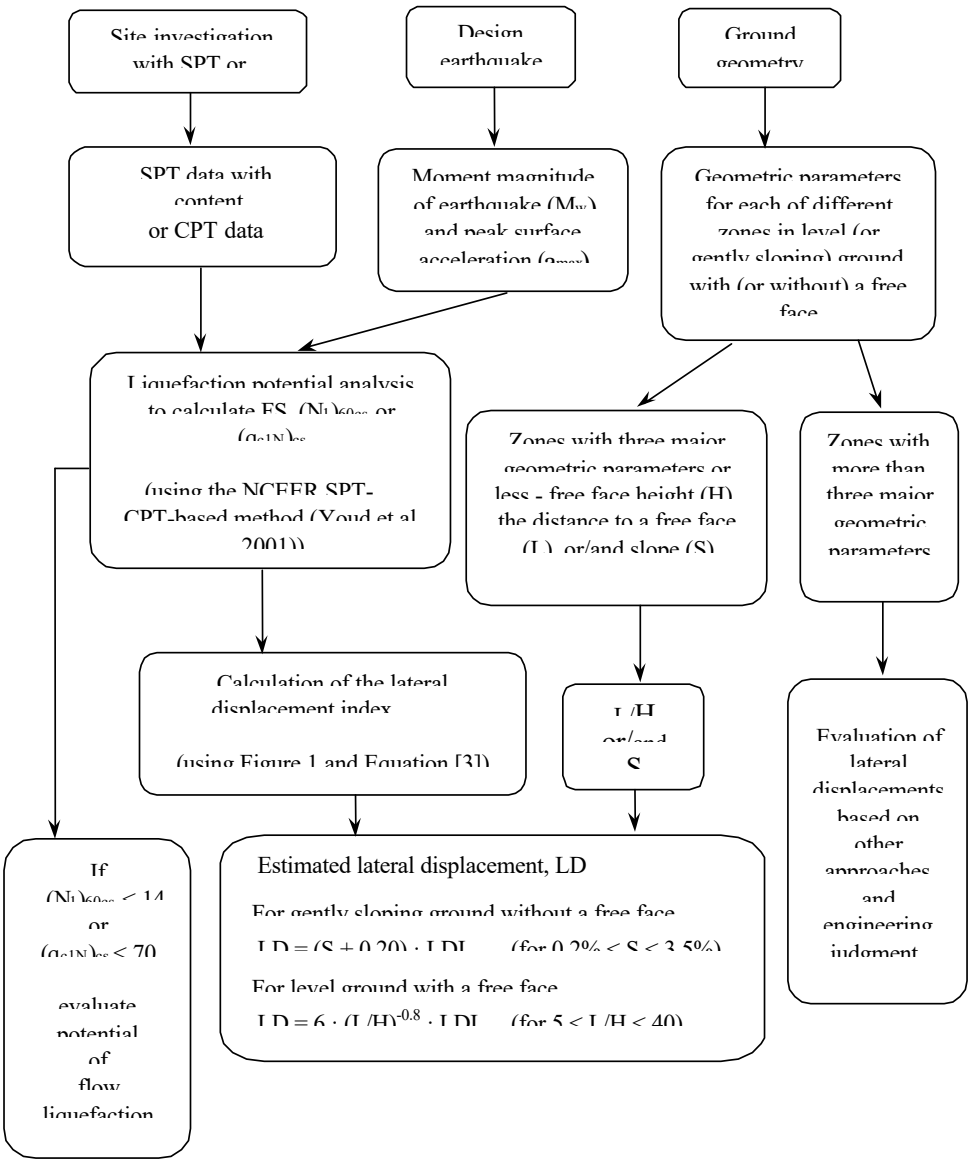
$$I_c = \left[\left(3.47 - \log(Q)\right)^2 + \left(1.22 + \log(F)\right)^2\right]^{0.5}$$

$$Q = \left(\frac{q_c - \sigma_{vc}}{P_a}\right)\left(\frac{P_a}{\sigma'_{vc}}\right)^n \quad with\ 0.5 \le n \le 1.0\ per\ Robertson\ \&\ Wride\ (1998)$$

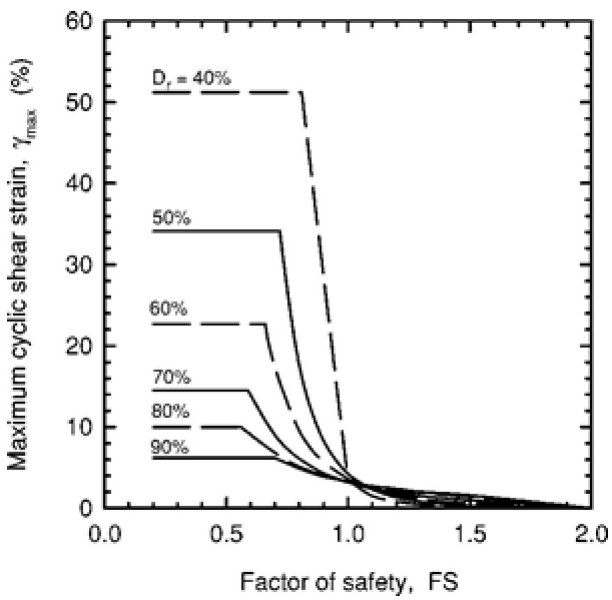
$$F = \left(\frac{f_s}{q_c - \sigma_{vc}}\right) \cdot 100\%$$

σ'_v *at time of CPT sounding*

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**

$$\mathrm{LDI} = \int_0^{z_{max}} \gamma_{max} dz$$

[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

Average shear stress, τ_{av}

$$\tau_{av} = CSR^{*} \cdot \sigma_{v0}' = 0.65 \cdot \frac{a_{max}}{g} \cdot \sigma_{v0} \cdot r_a$$

Estimate small shear strain modulus, G_0

$$G_0 = 0.0188 \cdot \left[10^{(0.55 I_c + 1.68)}\right] \cdot (q_t - \sigma_v)$$

Estimate shear strain amplitude, γ

(based on Pradel (1998))

$$\gamma = \left[\frac{1 + \alpha \cdot e^{bR}}{1 + \alpha}\right] \cdot R \cdot 100\ (\%)$$

$$R = \frac{\tau_{av}}{G_0} \text{ (Note } \tau_{av} \text{ and } G_0 \text{ same units)}$$

$$\alpha = 0.0389 \cdot \left(\frac{\sigma_v}{p_a}\right) + 0.124$$

$$b = 6400 \cdot \left(\frac{\sigma_v}{p_a}\right)$$

Estimate volumetric strain in 15 cycles

$$\varepsilon_{vol(15)} = \gamma \cdot \left[\frac{(N_1)_{60,cs}}{20}\right]^{-1.20}$$

$$(N_1)_{60,cs} = \frac{Q_{tn,cs}}{8.5 \cdot \left[1 - \frac{I_c}{4.6}\right]}$$

Volumetric strain in design earthquake

$$\Sigma_{vol} = \varepsilon_{vol(15)} \cdot \left[\frac{N_c}{15}\right]^{0.45}$$

$$N_c = (M - 4)^{2.17}$$

Seismic settlement, s

$$s = 2 \cdot \int_0^{GWT} \Sigma_{vol} \cdot dz$$

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 methology developed by Iwasaki (1982) and is adopted by AFPS.

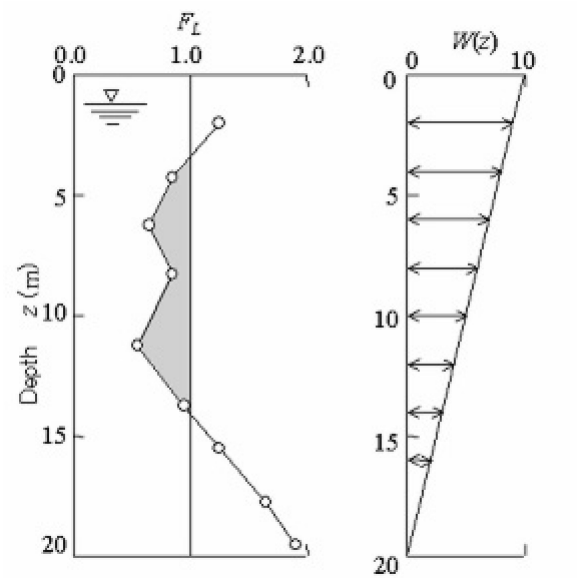
To estimate the severity of liquefaction extent at a given site, LPI is calculated based on the following equation:

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

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 <= 5 : Liquefaction risk is low
- 5 < LPI <= 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):

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

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).

References

- Lunne, T., Robertson, P.K., and Powell, J.J.M 1997. Cone penetration testing in geotechnical practice, E & FN Spon Routledge, 352 p, ISBN 0-7514-0393-8.

- Boulanger, R.W. and Idriss, I. M., 2007. Evaluation of Cyclic Softening in Silts and Clays. ASCE Journal of Geotechnical and Geoenvironmental Engineering June, Vol. 133, No. 6 pp 641-652

- Boulanger, R.W. and Idriss, I. M., 2014. CPT AND SPT BASED LIQUEFACTION TRIGGERING PROCEDURES. DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING COLLEGE OF ENGINEERING UNIVERSITY OF CALIFORNIA AT DAVIS

- Robertson, P.K. and Cabal, K.L., 2007, Guide to Cone Penetration Testing for Geotechnical Engineering. Available at no cost at http://www.geologismiki.gr/

- Robertson, P.K. 1990. Soil classification using the cone penetration test. Canadian Geotechnical Journal, 27 (1), 151-8.

- Robertson, P.K. and Wride, C.E., 1998. Cyclic Liquefaction and its Evaluation based on the CPT Canadian Geotechnical Journal, 1998, Vol. 35, August.

- Youd, T.L., Idriss, I.M., Andrus, R.D., Arango, I., Castro, G., Christian, J.T., Dobry, R., Finn, W.D.L., Harder, L.F., Hynes, M.E., Ishihara, K., Koester, J., Liao, S., Marcuson III, W.F., Martin, G.R., Mitchell, J.K., Moriwaki, Y., Power, M.S., Robertson, P.K., Seed, R., and Stokoe, K.H., Liquefaction Resistance of Soils: Summary Report from the 1996 NCEER and 1998 NCEER/NSF Workshop on Evaluation of Liquefaction Resistance of Soils, ASCE, Journal of Geotechnical & Geoenvironmental Engineering, Vol. 127, October, pp 817-833

- Zhang, G., Robertson. P.K., Brachman, R., 2002, Estimating Liquefaction Induced Ground Settlements from the CPT, Canadian Geotechnical Journal, 39: pp 1168-1180

- Zhang, G., Robertson. P.K., Brachman, R., 2004, Estimating Liquefaction Induced Lateral Displacements using the SPT and CPT, ASCE, Journal of Geotechnical & Geoenvironmental Engineering, Vol. 130, No. 8, 861-871

- Pradel, D., 1998, Procedure to Evaluate Earthquake-Induced Settlements in Dry Sandy Soils, ASCE, Journal of Geotechnical & Geoenvironmental Engineering, Vol. 124, No. 4, 364-368

- Iwasaki, T., 1986, Soil liquefaction studies in Japan: state-of-the-art, Soil Dynamics and Earthquake Engineering, Vol. 5, No. 1, 2-70

- Papathanassiou G., 2008, LPI-based approach for calibrating the severity of liquefaction-induced failures and for assessing the probability of liquefaction surface evidence, Eng. Geol. 96:94–104

- P.K. Robertson, 2009, Interpretation of Cone Penetration Tests - a unified approach., Canadian Geotechnical Journal, Vol. 46, No. 11, pp 1337-1355

- 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

- 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

- R. E. S. Moss, R. B. Seed, R. E. Kayen, J. P. Stewart, A. Der Kiureghian, K. O. Cetin, CPT-Based Probabilistic and Deterministic Assessment of In Situ Seismic Soil Liquefaction Potential, Journal of Geotechnical and Geoenvironmental Engineering, Vol. 132, No. 8, August 1, 2006

- I. M. Idriss and R. W. Boulanger, 2008. Soil liquefaction during earthquakes, Earthquake Engineering Research Institute MNO-12

- Jonathan D. Bray & Jorge Macedo, Department of Civil & Environmental Engineering, Univ. of California, Berkeley, CA, USA, Simplified procedure for estimating liquefaction-induced building settlement, *Proceedings of the 19th International Conference on Soil Mechanics and Geotechnical Engineering, Seoul 201*

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Geologo
Dott. Aldo Antoniazzi
STUDIO DI GEOLOGIA TECNICA E AMBIENTALE

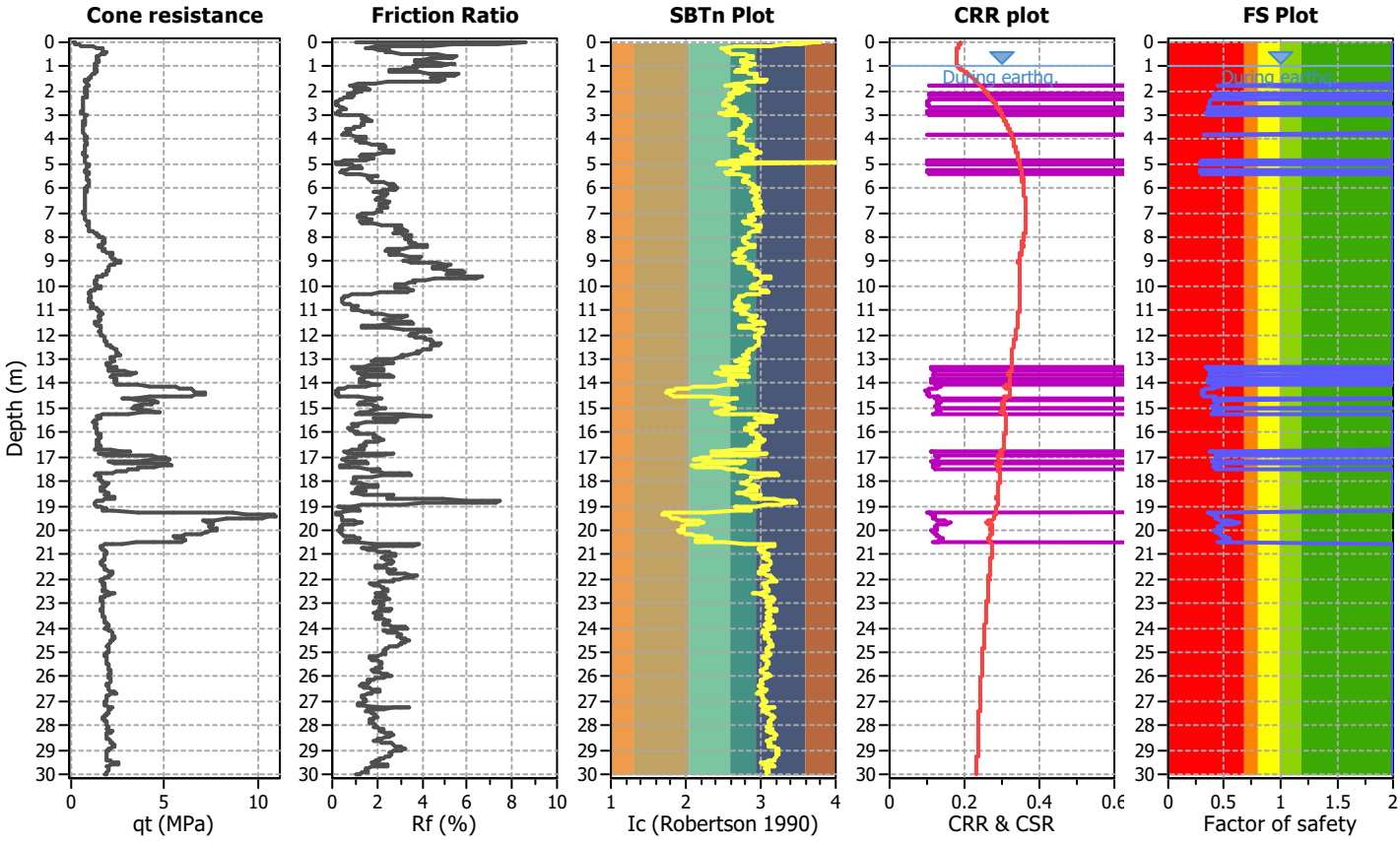
LIQUEFACTION ANALYSIS REPORT

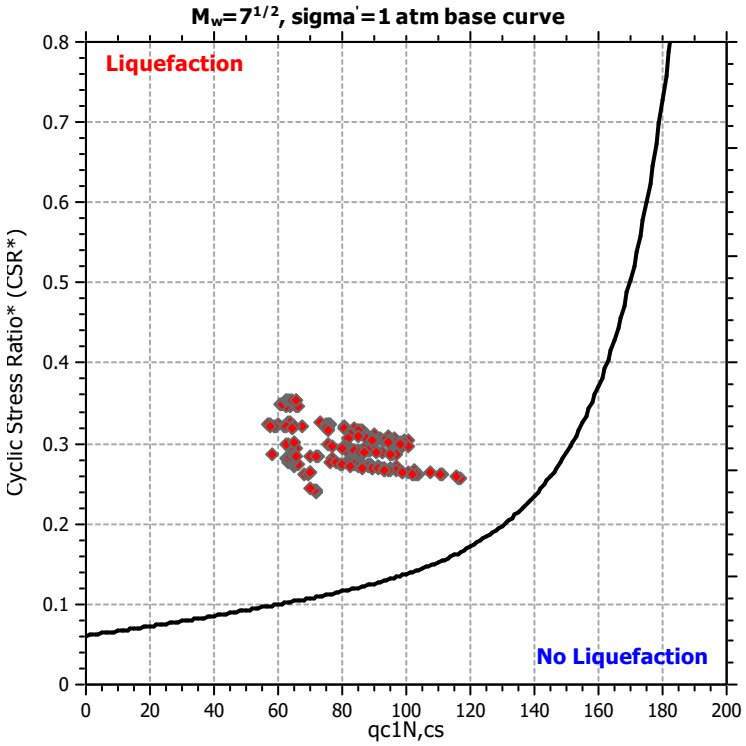
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,27**

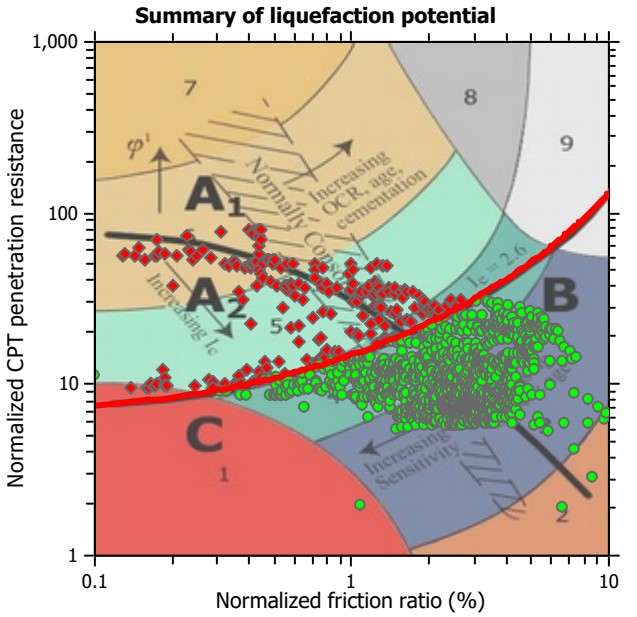
CPT file : 039017P67CPTU68

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.27	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

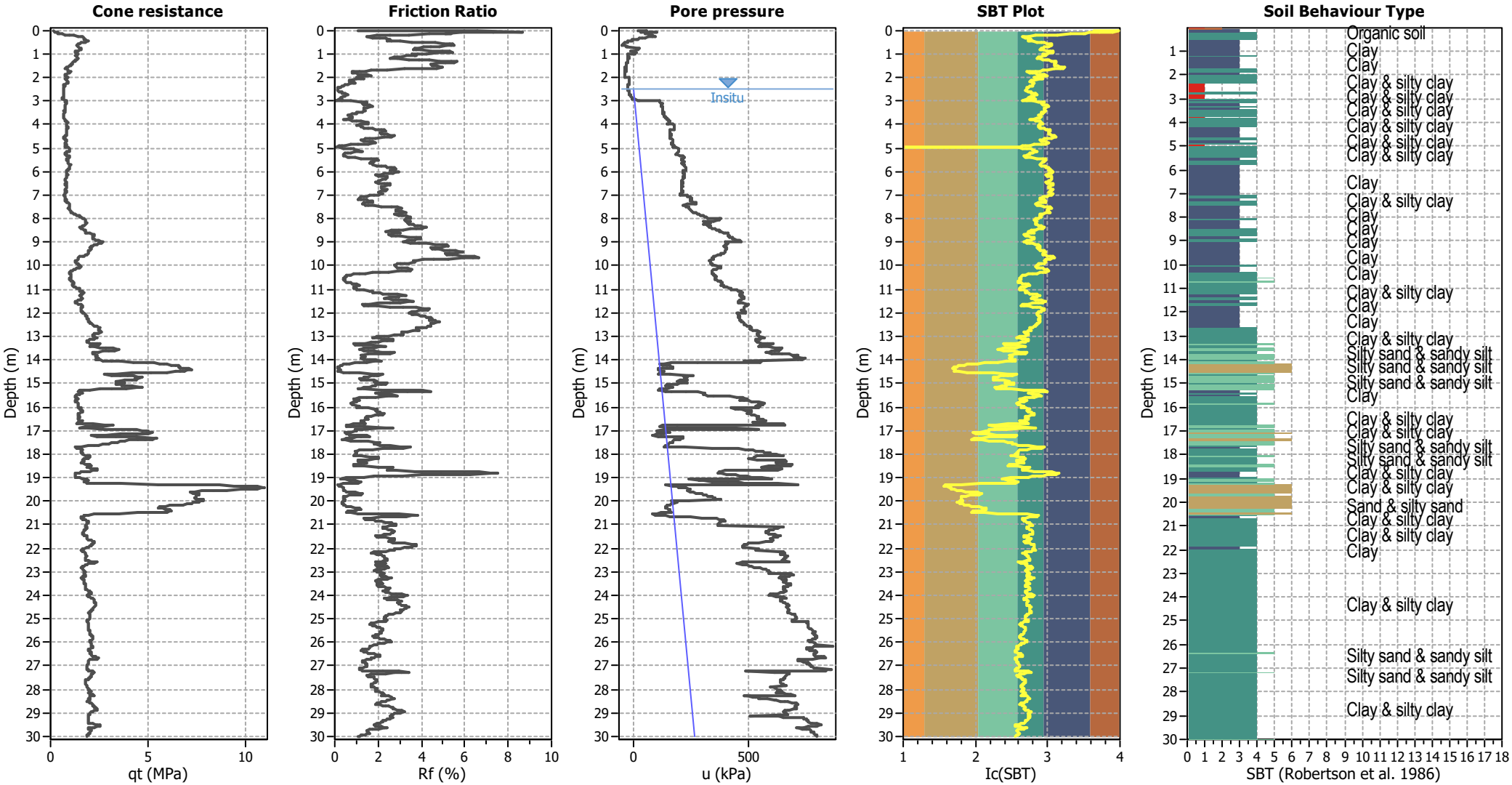






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



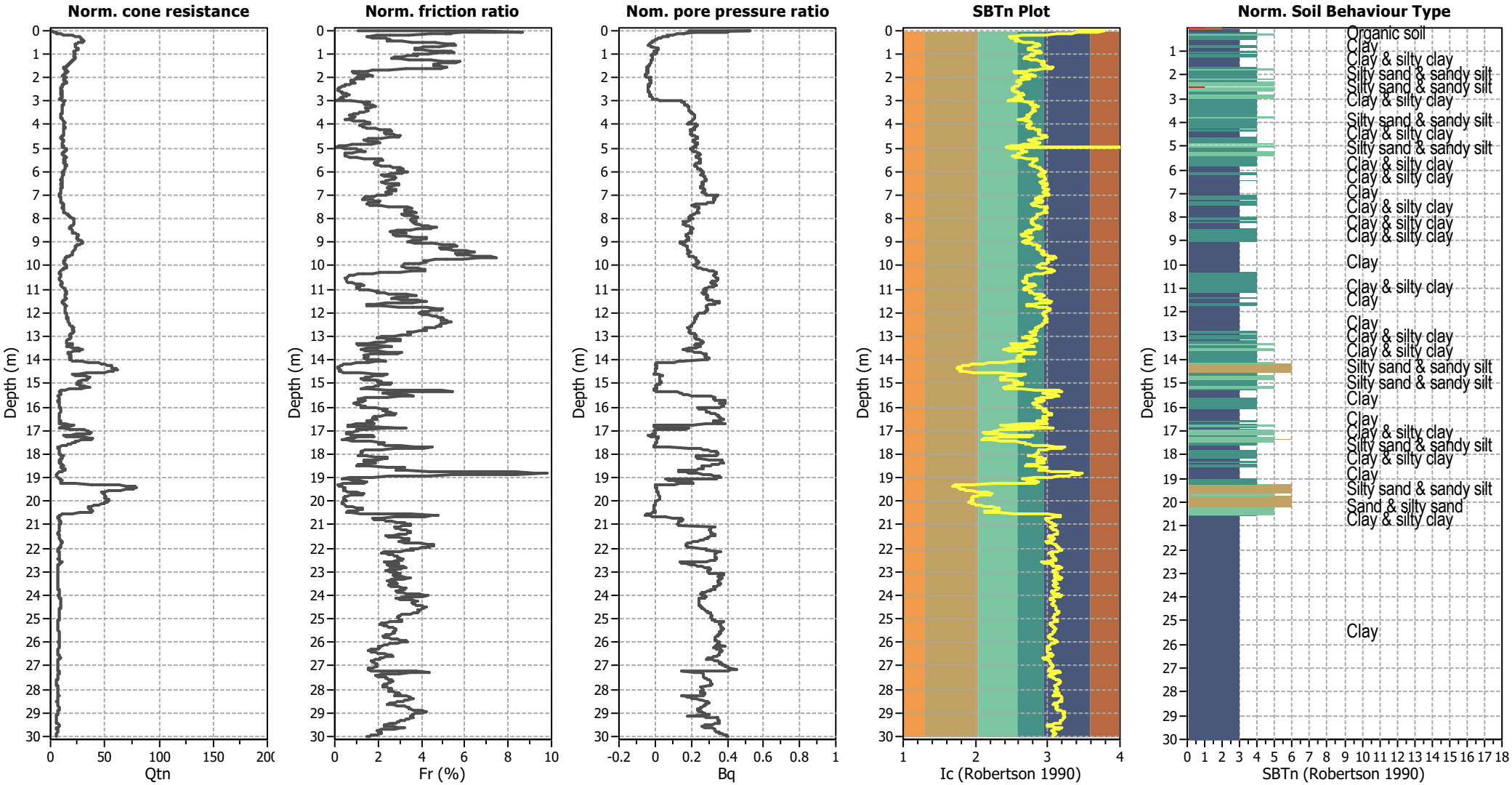
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



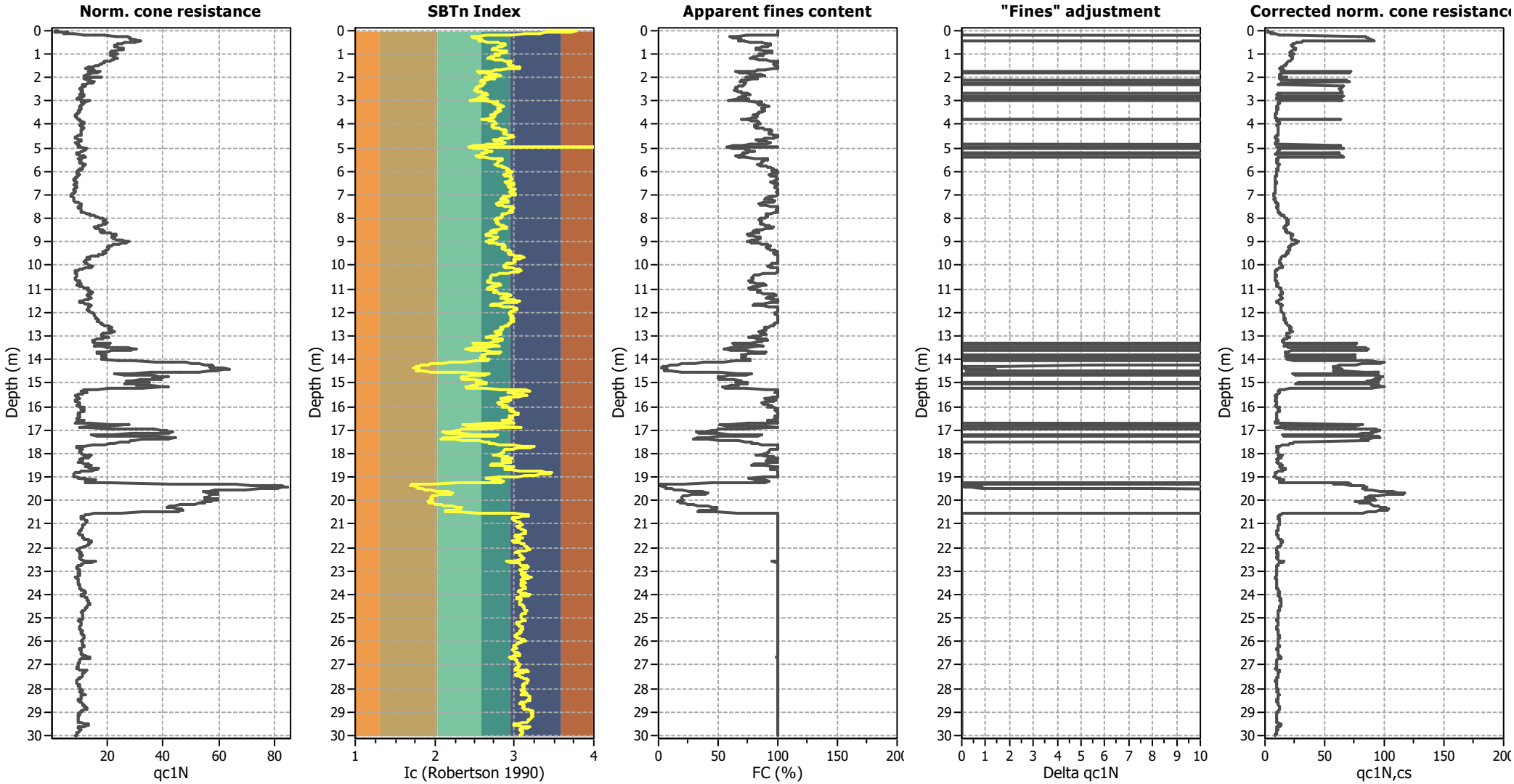
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

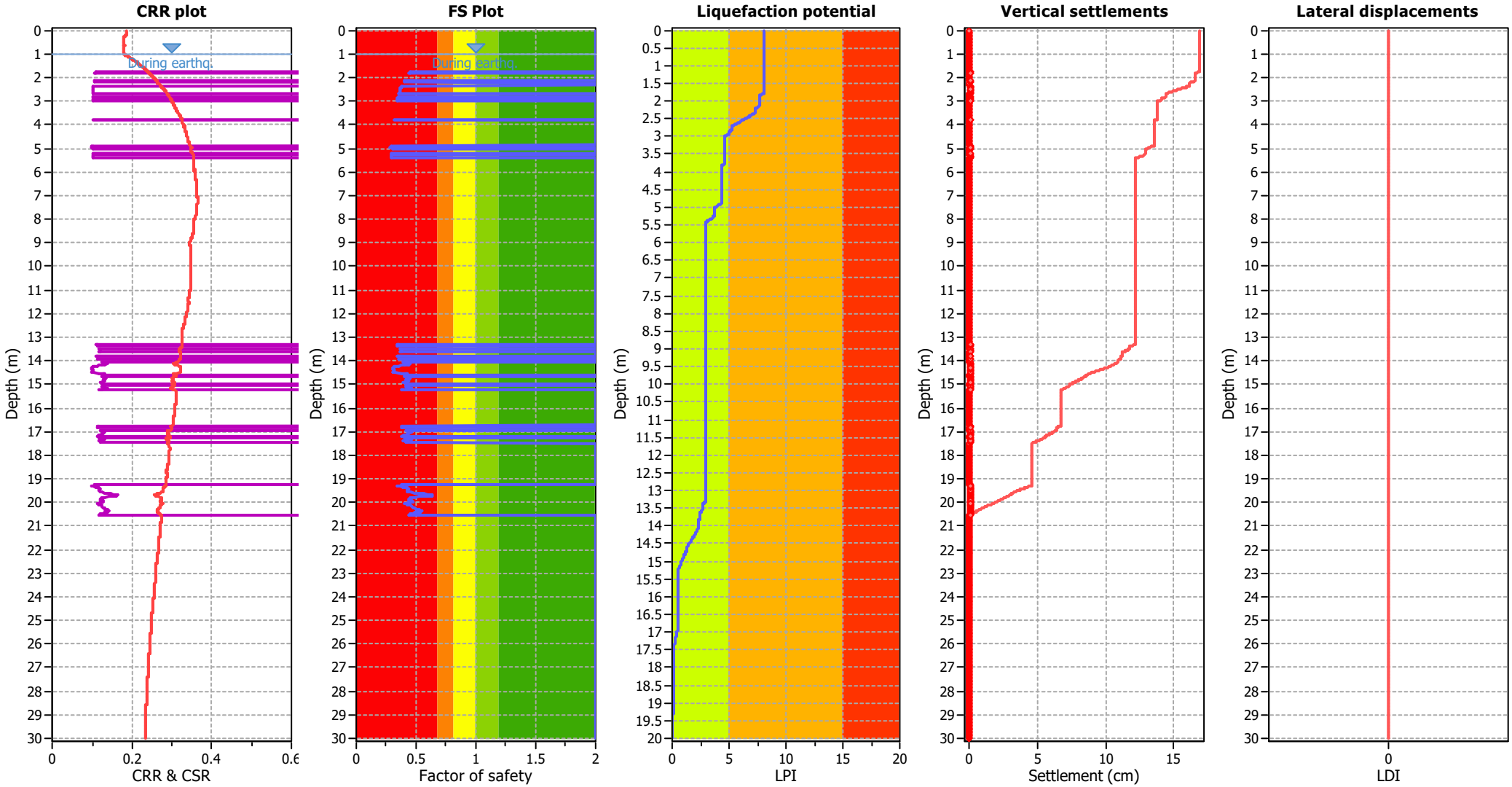
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

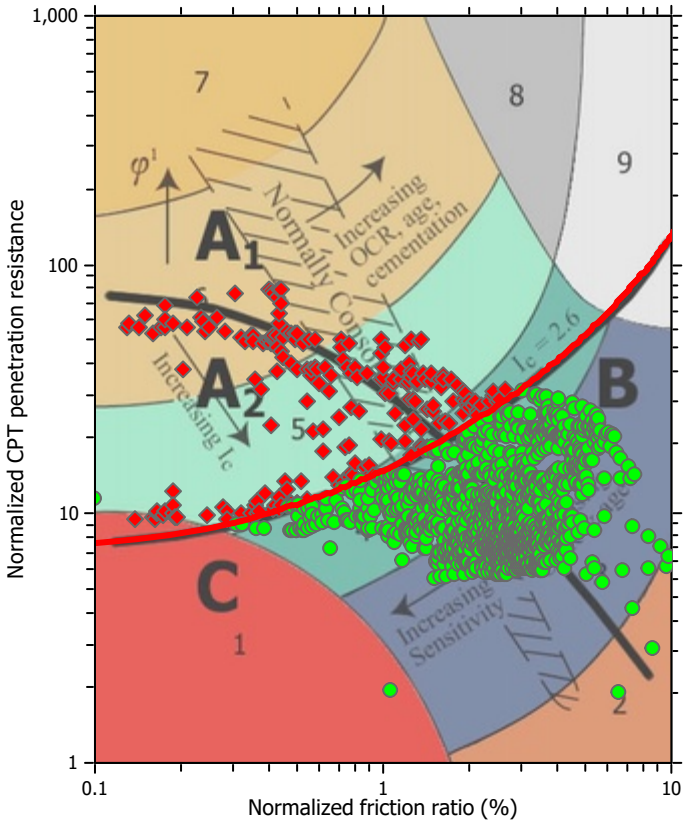
F.S. color scheme

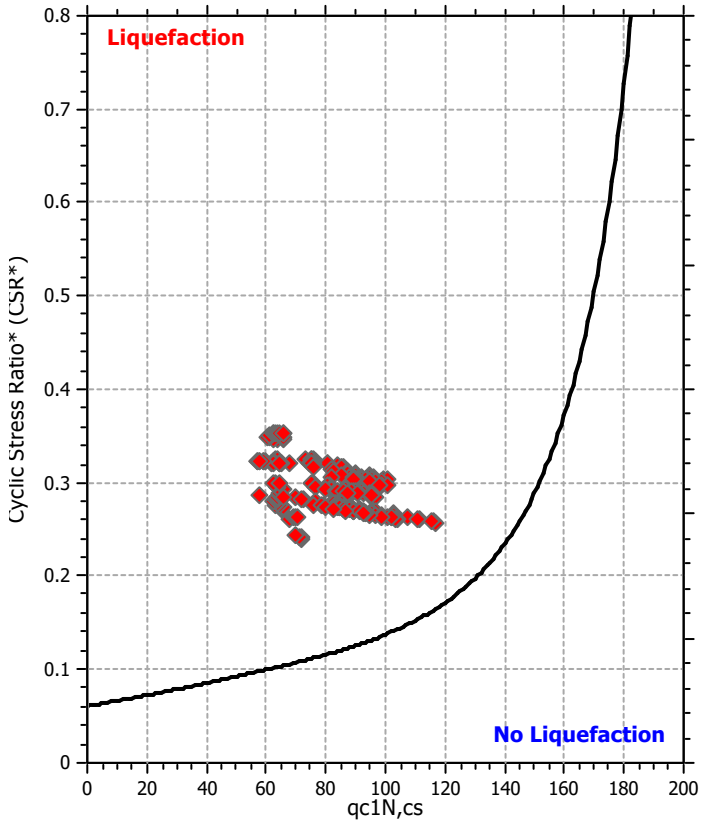
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

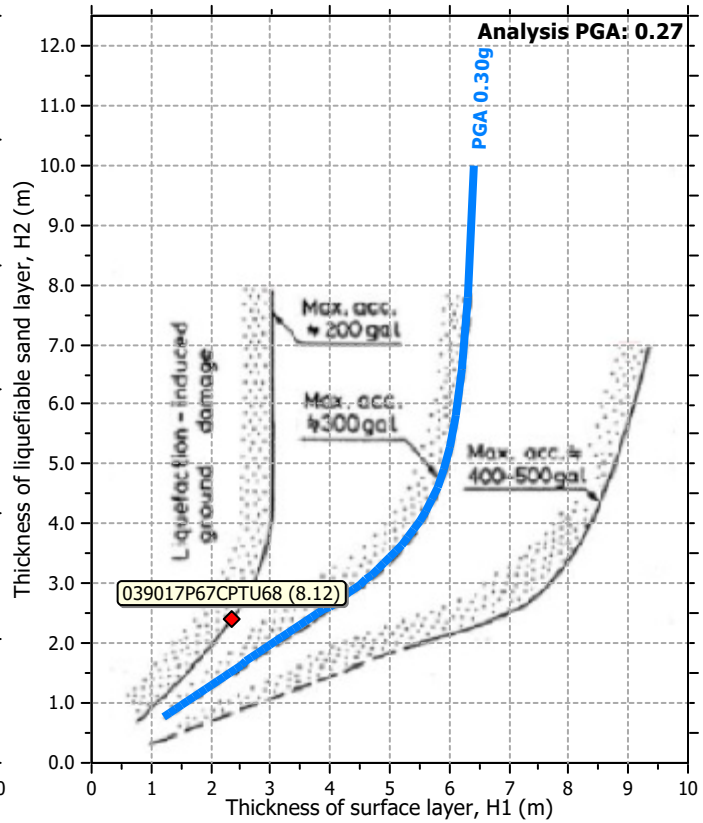
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



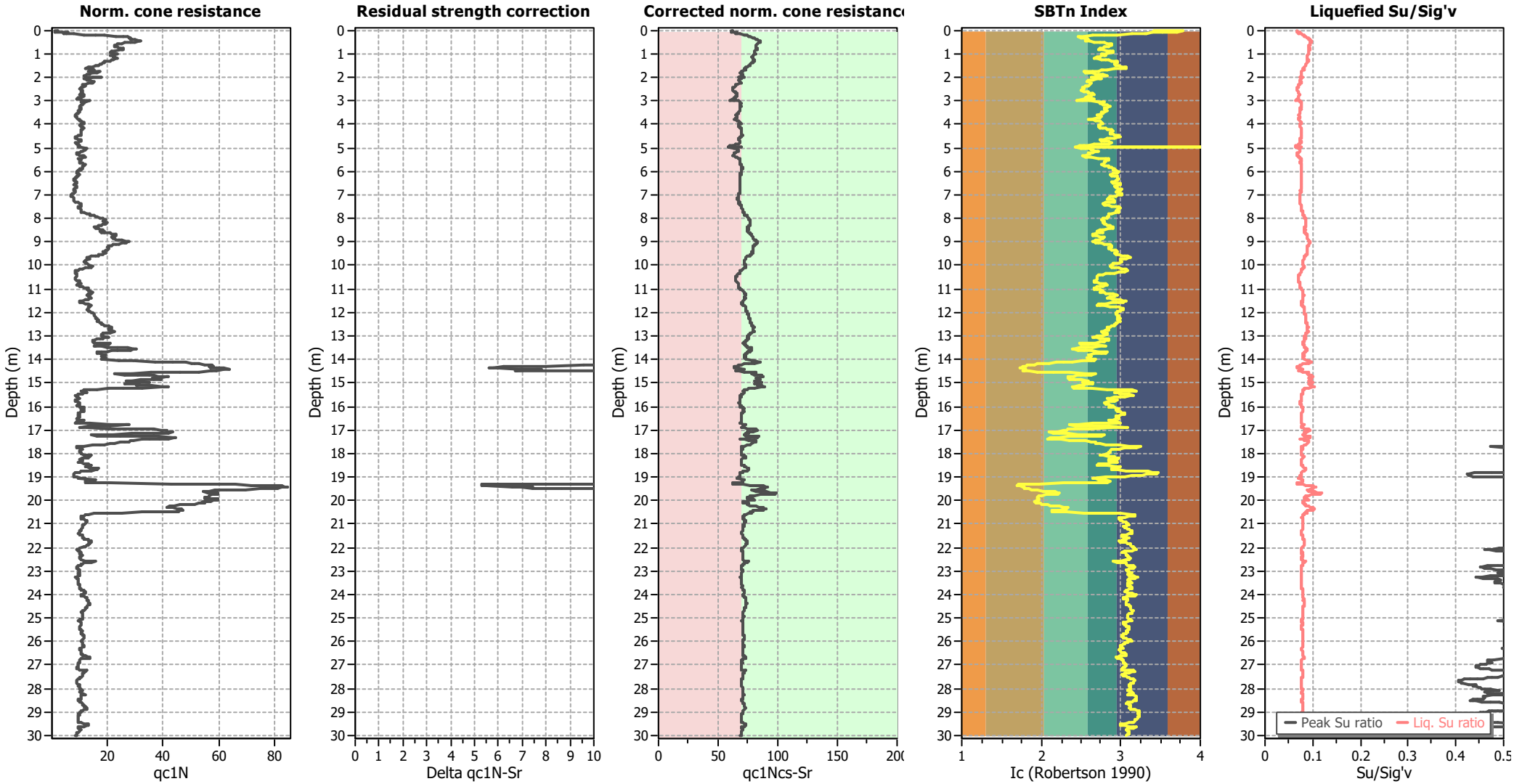




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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	0.45	0.00	0.00	0.02	0.10
1.78	0.45	0.00	0.00	0.02	0.10	1.80	0.45	0.00	0.00	0.02	0.10
1.82	0.44	0.00	0.00	0.02	0.10	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	0.40	0.00	0.00	0.02	0.11	2.16	0.41	0.00	0.00	0.02	0.11
2.18	0.41	0.00	0.00	0.02	0.11	2.20	0.41	0.00	0.00	0.02	0.11
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	0.38	0.62	0.37	0.02	0.11	2.36	0.38	0.62	0.37	0.02	0.11
2.38	0.38	0.62	0.37	0.02	0.11	2.40	0.37	0.63	0.37	0.02	0.11
2.42	0.37	0.63	0.36	0.02	0.11	2.44	0.37	0.63	0.36	0.02	0.11
2.46	0.37	0.63	0.36	0.02	0.11	2.48	0.36	0.64	0.36	0.02	0.11
2.50	0.36	0.64	0.36	0.02	0.11	2.52	0.36	0.64	0.36	0.02	0.11
2.54	0.36	0.64	0.36	0.02	0.11	2.56	0.36	0.64	0.36	0.02	0.11
2.58	0.36	0.64	0.36	0.02	0.11	2.60	0.36	0.64	0.36	0.02	0.11
2.62	0.36	0.64	0.36	0.02	0.11	2.64	0.36	0.64	0.36	0.02	0.11
2.66	0.36	0.64	0.36	0.02	0.11	2.68	0.36	0.64	0.36	0.02	0.11
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	0.35	0.65	0.35	0.02	0.11	2.84	0.35	0.65	0.35	0.02	0.11
2.86	0.35	0.65	0.35	0.02	0.11	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	0.34	0.66	0.35	0.02	0.11	2.96	0.34	0.66	0.34	0.02	0.11
2.98	0.34	0.66	0.35	0.02	0.11	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	0.31	0.69	0.33	0.02	0.11	3.80	0.31	0.69	0.33	0.02	0.11
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
4.03	2.00	0.00	0.00	0.03	0.00	4.04	2.00	0.00	0.00	0.01	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	0.30	0.70	0.32	0.02	0.11
4.90	0.29	0.71	0.32	0.02	0.11	4.92	0.29	0.71	0.32	0.02	0.11
4.94	0.29	0.71	0.32	0.02	0.11	4.96	2.00	0.00	0.00	0.02	0.00
4.98	0.29	0.71	0.32	0.02	0.11	5.00	0.30	0.70	0.32	0.02	0.11
5.02	0.30	0.70	0.32	0.02	0.10	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	0.29	0.71	0.32	0.02	0.11
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	0.29	0.71	0.32	0.02	0.10	5.32	0.29	0.71	0.32	0.02	0.10
5.34	0.29	0.71	0.32	0.02	0.10	5.36	0.29	0.71	0.32	0.02	0.10
5.38	0.29	0.71	0.32	0.02	0.10	5.40	0.29	0.71	0.32	0.02	0.10
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	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
11.07	2.00	0.00	0.00	0.03	0.00	11.08	2.00	0.00	0.00	0.01	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	0.34	0.66	0.34	0.02	0.04	13.32	0.34	0.66	0.35	0.02	0.04
13.34	0.35	0.65	0.35	0.02	0.04	13.36	0.35	0.65	0.35	0.02	0.04
13.38	0.34	0.66	0.35	0.02	0.04	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	0.36	0.64	0.36	0.02	0.04	13.52	0.37	0.63	0.37	0.02	0.04
13.54	0.38	0.62	0.37	0.02	0.04	13.56	0.38	0.62	0.37	0.02	0.04
13.58	0.38	0.62	0.37	0.02	0.04	13.60	0.38	0.62	0.37	0.02	0.04
13.62	0.36	0.64	0.36	0.02	0.04	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	0.35	0.65	0.35	0.02	0.04
13.82	0.35	0.65	0.35	0.02	0.04	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	0.35	0.65	0.35	0.02	0.04
13.94	0.35	0.65	0.35	0.02	0.04	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	0.39	0.61	0.38	0.02	0.04
14.10	0.42	0.58	0.40	0.02	0.03	14.12	0.45	0.55	0.42	0.02	0.03
14.14	0.46	0.54	0.43	0.02	0.03	14.16	0.43	0.57	0.41	0.02	0.03
14.18	0.40	0.60	0.39	0.02	0.03	14.20	0.37	0.63	0.37	0.02	0.04
14.22	0.35	0.65	0.35	0.02	0.04	14.24	0.33	0.67	0.34	0.02	0.04
14.26	0.32	0.68	0.33	0.02	0.04	14.28	0.31	0.69	0.33	0.02	0.04
14.30	0.30	0.70	0.32	0.02	0.04	14.32	0.30	0.70	0.32	0.02	0.04
14.34	0.30	0.70	0.32	0.02	0.04	14.36	0.31	0.69	0.33	0.02	0.04
14.38	0.31	0.69	0.33	0.02	0.04	14.40	0.32	0.68	0.33	0.02	0.04
14.42	0.32	0.68	0.33	0.02	0.04	14.44	0.32	0.68	0.33	0.02	0.04
14.46	0.31	0.69	0.33	0.02	0.04	14.48	0.30	0.70	0.32	0.02	0.04
14.50	0.32	0.68	0.33	0.02	0.04	14.52	0.38	0.62	0.37	0.02	0.03
14.54	0.43	0.57	0.41	0.02	0.03	14.56	0.42	0.58	0.40	0.02	0.03
14.58	0.40	0.60	0.38	0.02	0.03	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	0.41	0.59	0.39	0.02	0.03	14.68	0.43	0.57	0.41	0.02	0.03
14.70	0.43	0.57	0.41	0.02	0.03	14.72	0.44	0.56	0.42	0.02	0.03
14.74	0.45	0.55	0.43	0.02	0.03	14.76	0.45	0.55	0.43	0.02	0.03
14.78	0.43	0.57	0.41	0.02	0.03	14.80	0.42	0.58	0.40	0.02	0.03
14.82	0.42	0.58	0.40	0.02	0.03	14.84	0.44	0.56	0.42	0.02	0.03
14.86	0.43	0.57	0.41	0.02	0.03	14.88	0.42	0.58	0.40	0.02	0.03
14.90	0.40	0.60	0.39	0.02	0.03	14.92	0.39	0.61	0.38	0.02	0.03
14.94	0.41	0.59	0.39	0.02	0.03	14.96	0.43	0.57	0.41	0.02	0.03
14.98	0.41	0.59	0.39	0.02	0.03	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	0.42	0.58	0.40	0.02	0.03
15.06	0.42	0.58	0.40	0.02	0.03	15.08	0.41	0.59	0.39	0.02	0.03
15.10	0.41	0.59	0.40	0.02	0.03	15.12	0.44	0.56	0.41	0.02	0.03
15.14	0.46	0.54	0.43	0.02	0.03	15.16	0.47	0.53	0.44	0.02	0.03
15.18	0.45	0.55	0.43	0.02	0.03	15.20	0.41	0.59	0.39	0.02	0.03
15.22	0.38	0.62	0.37	0.02	0.03	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	0.37	0.63	0.37	0.02	0.02
16.78	0.40	0.60	0.38	0.02	0.02	16.80	0.39	0.61	0.38	0.02	0.02
16.82	0.37	0.63	0.37	0.02	0.02	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	0.42	0.58	0.40	0.02	0.02
16.98	0.44	0.56	0.42	0.02	0.02	17.00	0.45	0.55	0.43	0.02	0.02
17.02	0.46	0.54	0.43	0.02	0.02	17.04	0.46	0.54	0.44	0.02	0.02
17.06	0.44	0.56	0.42	0.02	0.02	17.08	0.43	0.57	0.41	0.02	0.02
17.10	0.43	0.57	0.41	0.02	0.02	17.12	0.43	0.57	0.41	0.02	0.02
17.14	0.43	0.57	0.41	0.02	0.02	17.16	0.40	0.60	0.39	0.02	0.02
17.18	0.38	0.62	0.37	0.02	0.02	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	0.40	0.60	0.39	0.02	0.02	17.28	0.46	0.54	0.43	0.02	0.01

:: 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	0.47	0.53	0.44	0.02	0.01	17.32	0.46	0.54	0.44	0.02	0.01
17.34	0.44	0.56	0.42	0.02	0.01	17.36	0.41	0.59	0.40	0.02	0.02
17.38	0.40	0.60	0.39	0.02	0.02	17.40	0.40	0.60	0.38	0.02	0.02
17.42	0.41	0.59	0.39	0.02	0.02	17.44	0.41	0.59	0.39	0.02	0.02
17.46	0.42	0.58	0.40	0.02	0.01	17.48	0.42	0.58	0.40	0.02	0.01
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	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	0.38	0.62	0.37	0.02	0.00	19.28	0.39	0.61	0.38	0.02	0.00
19.30	0.34	0.66	0.35	0.02	0.00	19.32	0.37	0.63	0.36	0.02	0.00
19.34	0.38	0.62	0.37	0.02	0.00	19.36	0.40	0.60	0.39	0.02	0.00
19.38	0.42	0.58	0.40	0.02	0.00	19.40	0.43	0.57	0.41	0.02	0.00
19.42	0.44	0.56	0.41	0.02	0.00	19.44	0.44	0.56	0.42	0.02	0.00
19.46	0.43	0.57	0.41	0.02	0.00	19.48	0.42	0.58	0.40	0.02	0.00
19.50	0.42	0.58	0.41	0.02	0.00	19.52	0.43	0.57	0.41	0.02	0.00
19.54	0.43	0.57	0.41	0.02	0.00	19.56	0.43	0.57	0.41	0.02	0.00
19.58	0.45	0.55	0.43	0.02	0.00	19.60	0.49	0.51	0.47	0.02	0.00
19.62	0.53	0.47	0.51	0.02	0.00	19.64	0.56	0.44	0.56	0.02	0.00
19.66	0.59	0.41	0.62	0.02	0.00	19.68	0.64	0.36	0.71	0.02	0.00
19.70	0.64	0.36	0.72	0.02	0.00	19.72	0.63	0.37	0.69	0.02	0.00
19.74	0.59	0.41	0.60	0.02	0.00	19.76	0.53	0.47	0.52	0.02	0.00
19.78	0.49	0.51	0.46	0.02	0.00	19.80	0.47	0.53	0.44	0.02	0.00
19.82	0.45	0.55	0.43	0.02	0.00	19.84	0.44	0.56	0.42	0.02	0.00
19.86	0.44	0.56	0.42	0.02	0.00	19.88	0.44	0.56	0.42	0.02	0.00
19.90	0.44	0.56	0.41	0.02	0.00	19.92	0.45	0.55	0.42	0.02	0.00
19.94	0.47	0.53	0.44	0.02	0.00	19.96	0.48	0.52	0.45	0.02	0.00
19.98	0.47	0.53	0.45	0.02	0.00	20.00	0.45	0.55	0.42	0.02	0.00
20.02	0.42	0.00	0.00	0.02	0.00	20.04	0.41	0.00	0.00	0.02	0.00
20.06	0.42	0.00	0.00	0.02	0.00	20.08	0.42	0.00	0.00	0.02	0.00
20.10	0.44	0.00	0.00	0.02	0.00	20.12	0.45	0.00	0.00	0.02	0.00
20.14	0.46	0.00	0.00	0.02	0.00	20.16	0.46	0.00	0.00	0.02	0.00
20.18	0.46	0.00	0.00	0.02	0.00	20.20	0.46	0.00	0.00	0.02	0.00
20.22	0.47	0.00	0.00	0.02	0.00	20.24	0.48	0.00	0.00	0.02	0.00
20.26	0.49	0.00	0.00	0.02	0.00	20.28	0.50	0.00	0.00	0.02	0.00
20.30	0.51	0.00	0.00	0.02	0.00	20.32	0.52	0.00	0.00	0.02	0.00
20.34	0.54	0.00	0.00	0.02	0.00	20.36	0.54	0.00	0.00	0.02	0.00
20.38	0.54	0.00	0.00	0.02	0.00	20.40	0.53	0.00	0.00	0.02	0.00
20.42	0.51	0.00	0.00	0.02	0.00	20.44	0.49	0.00	0.00	0.02	0.00
20.46	0.48	0.00	0.00	0.02	0.00	20.48	0.48	0.00	0.00	0.02	0.00
20.50	0.45	0.00	0.00	0.02	0.00	20.52	0.44	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

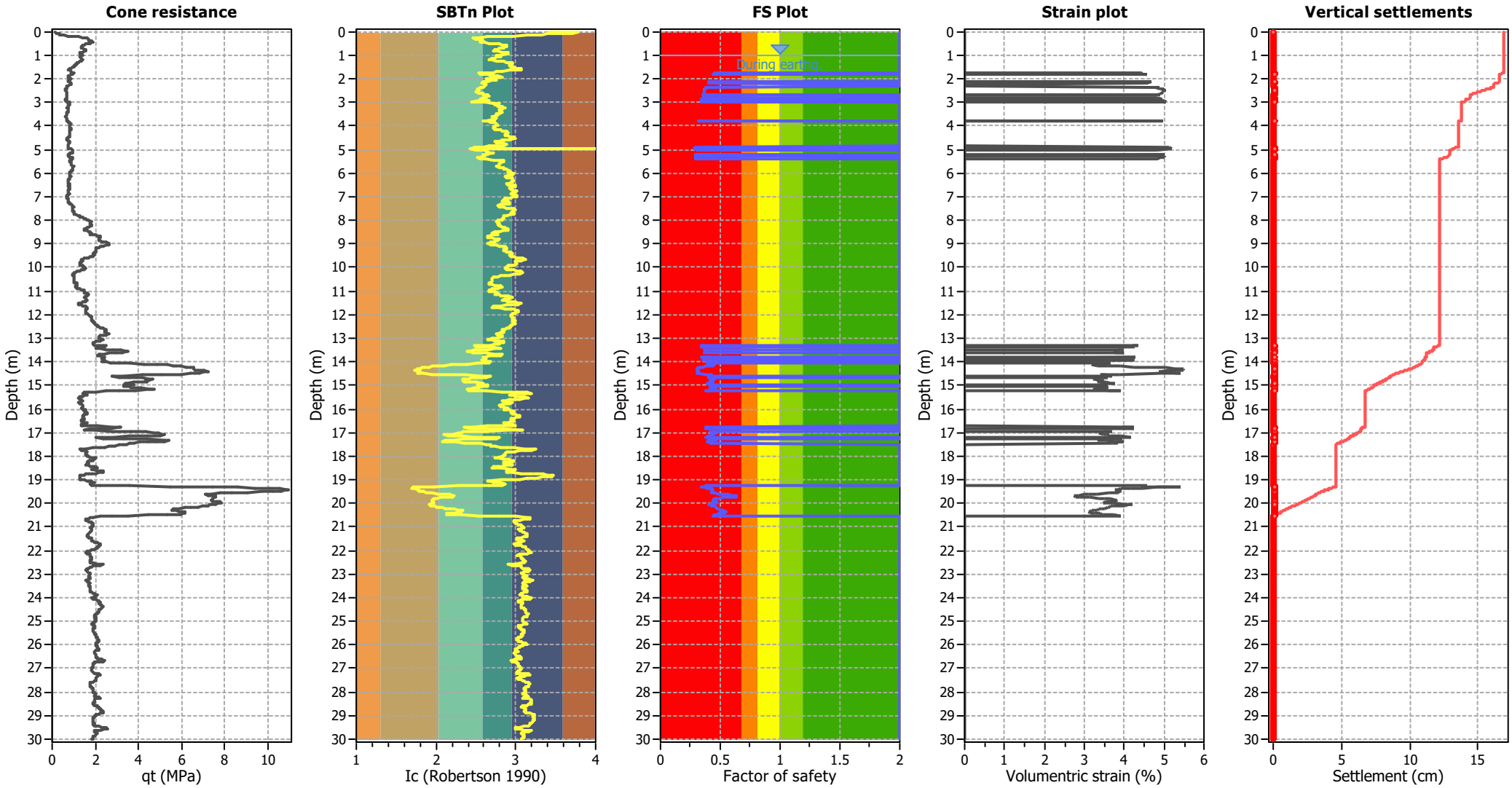
Overall liquefaction potential: 8.12

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

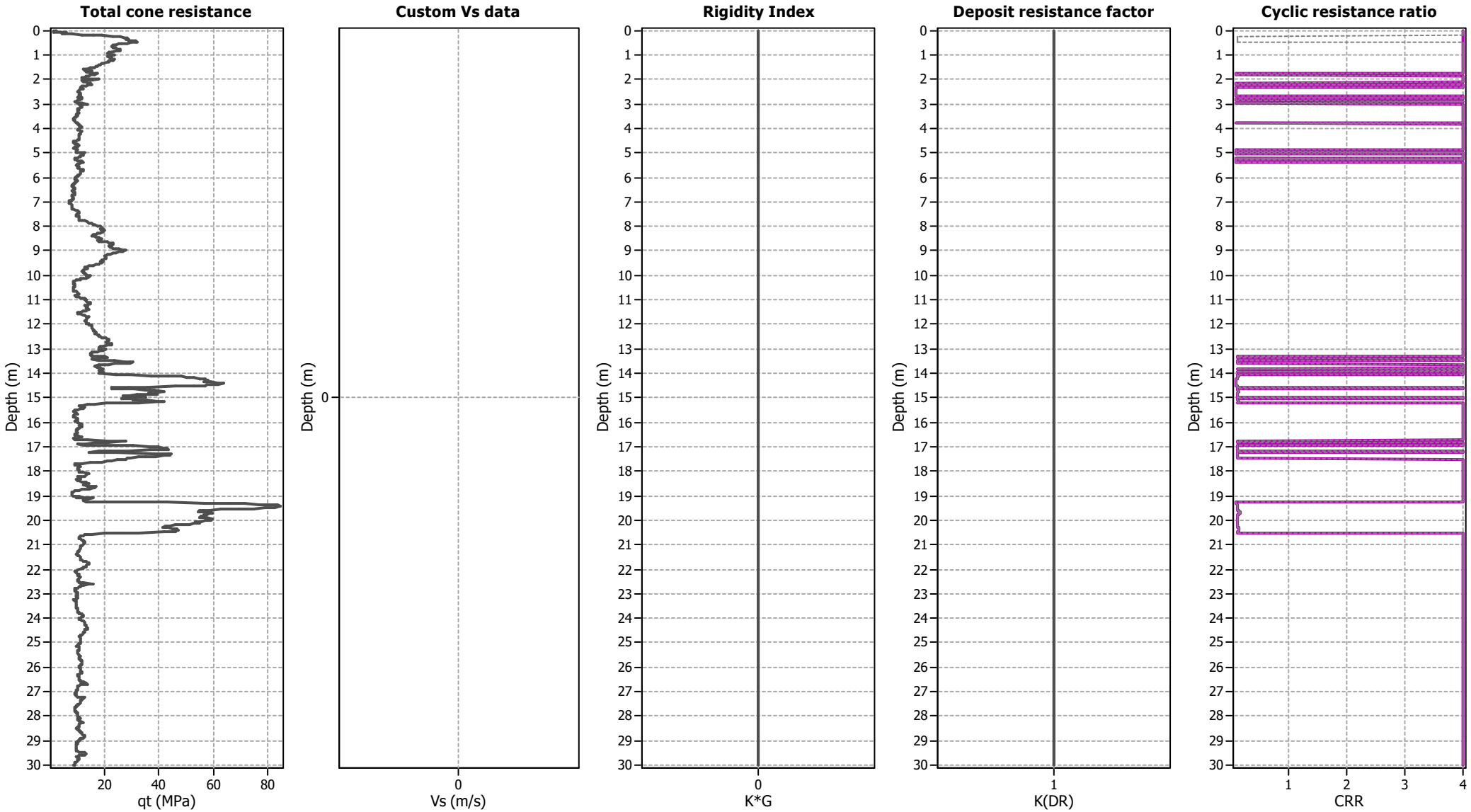
Estimation of post-earthquake settlements



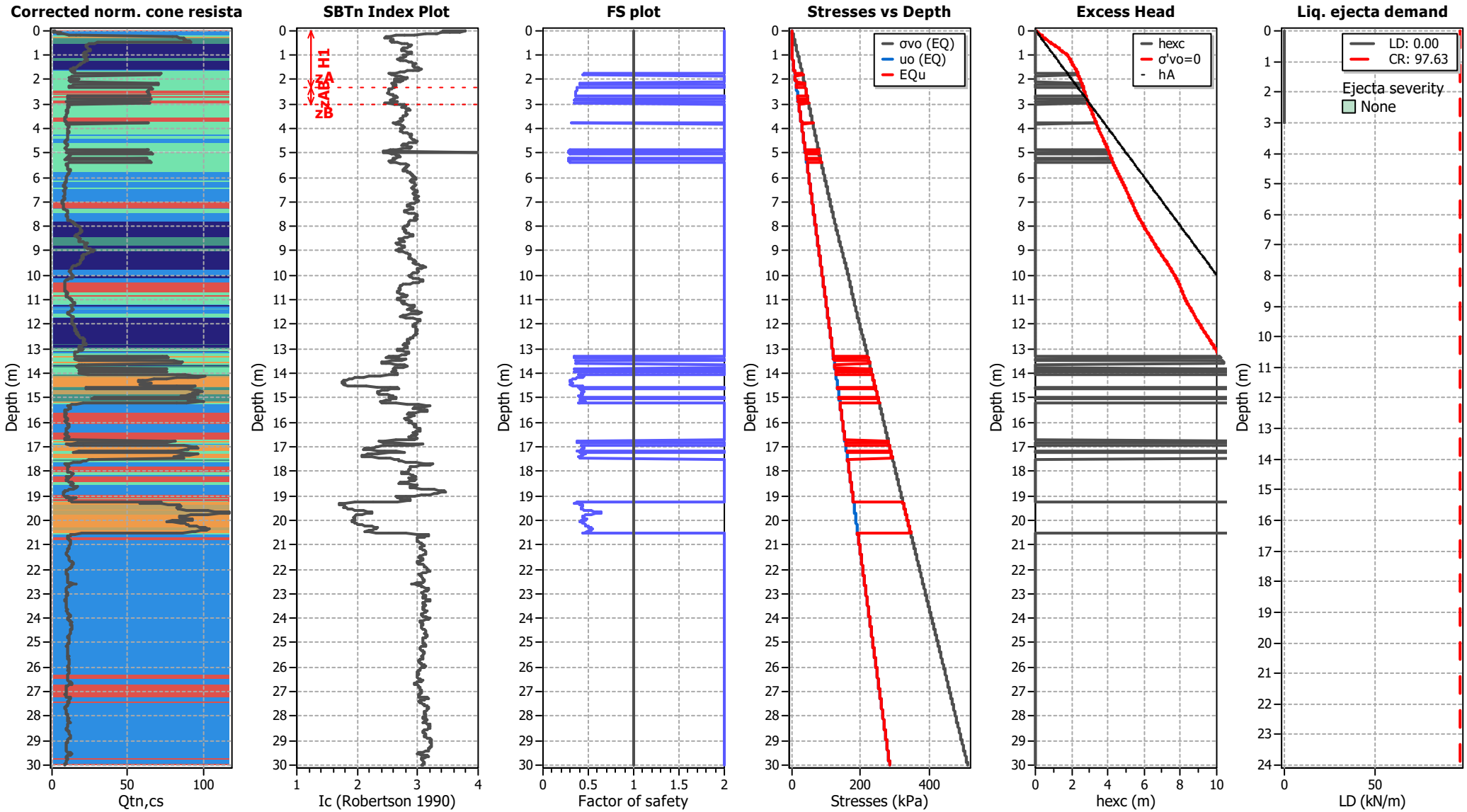
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



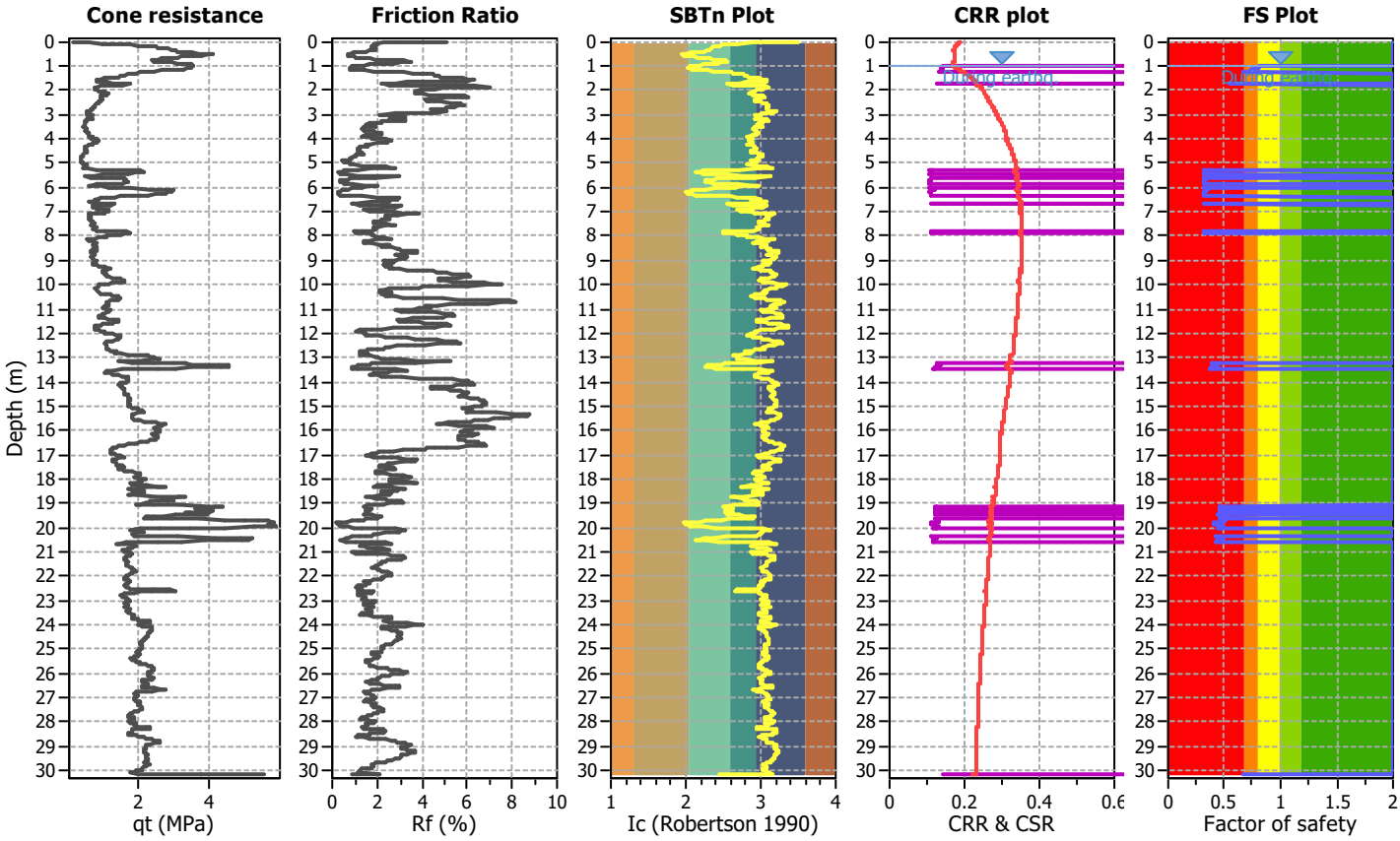
LIQUEFACTION ANALYSIS REPORT

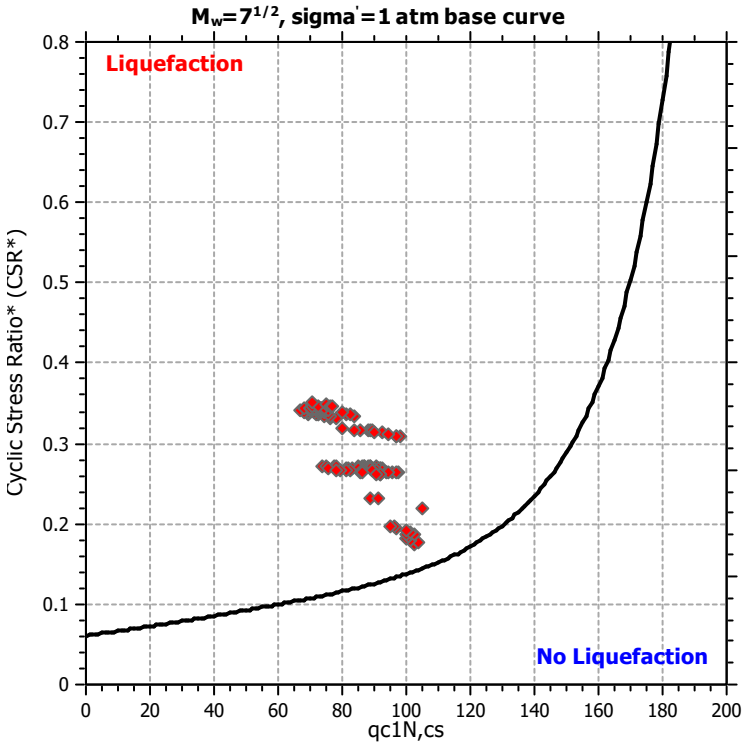
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,27**

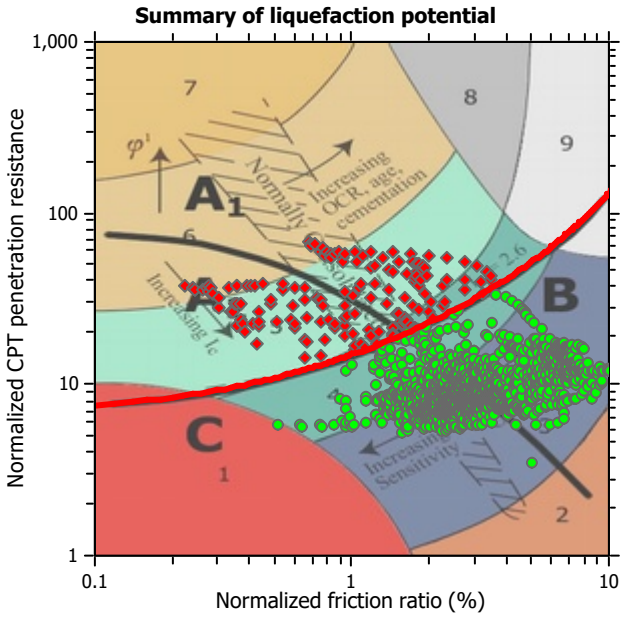
CPT file : 039017P70CPTU71

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.27	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

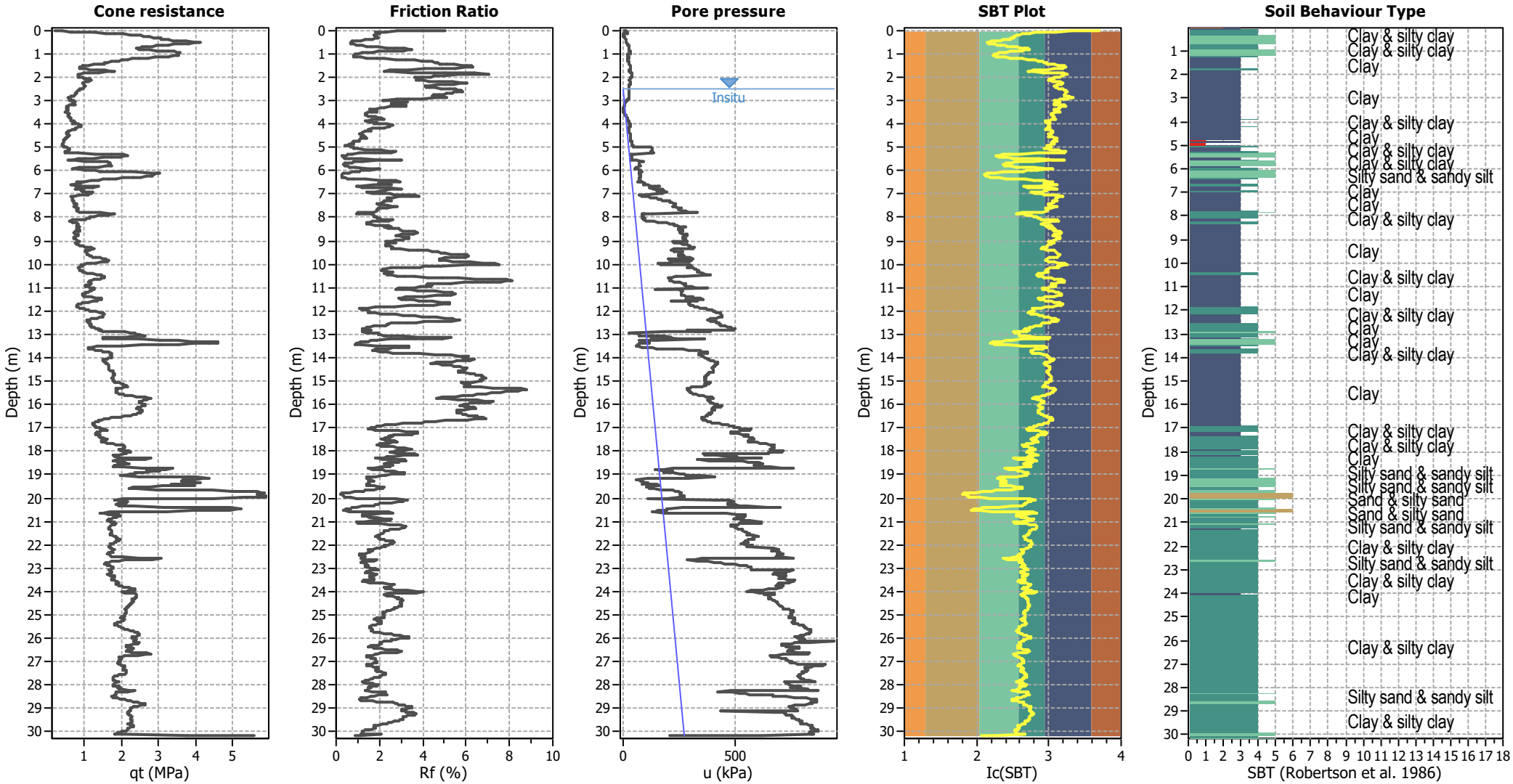






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



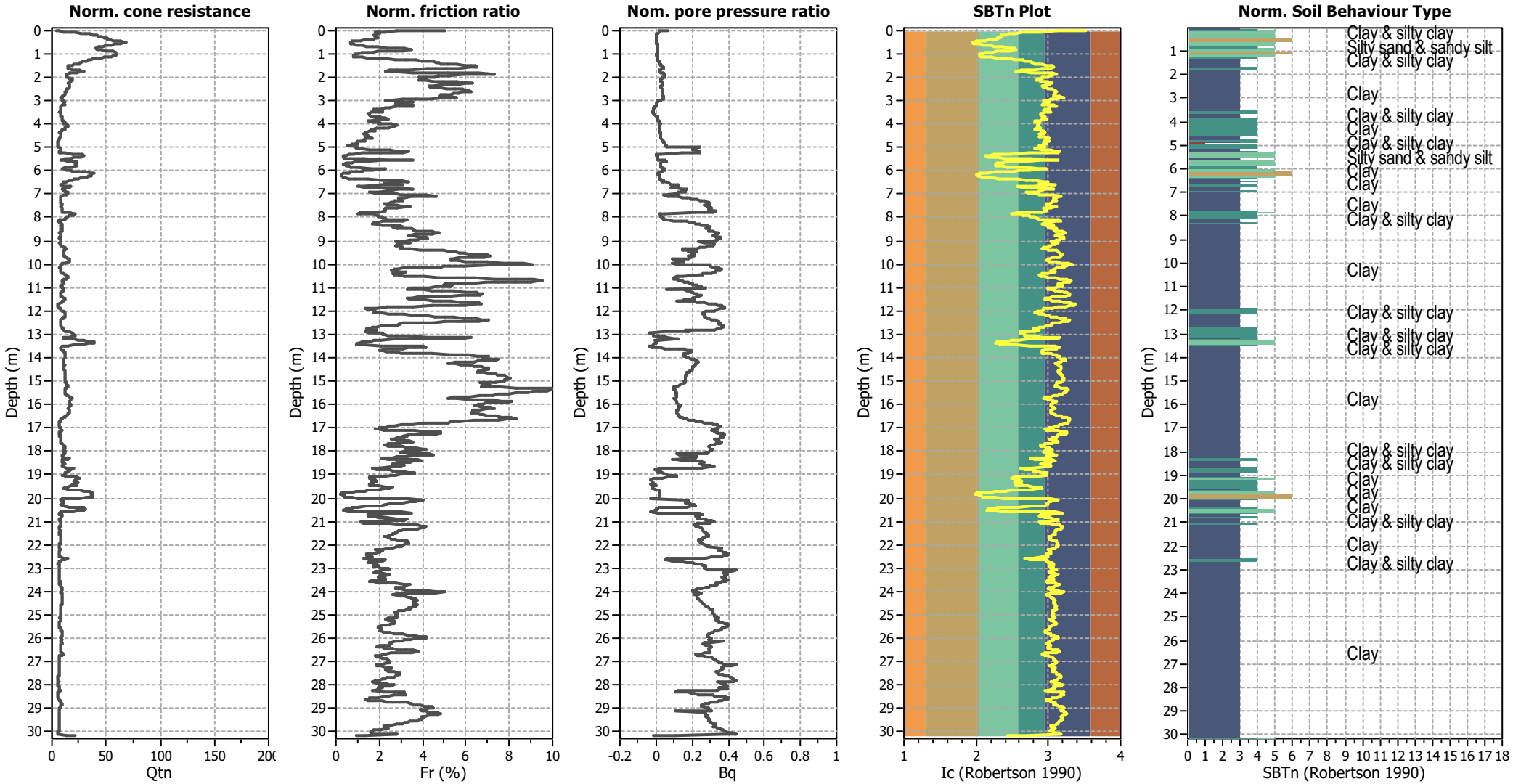
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



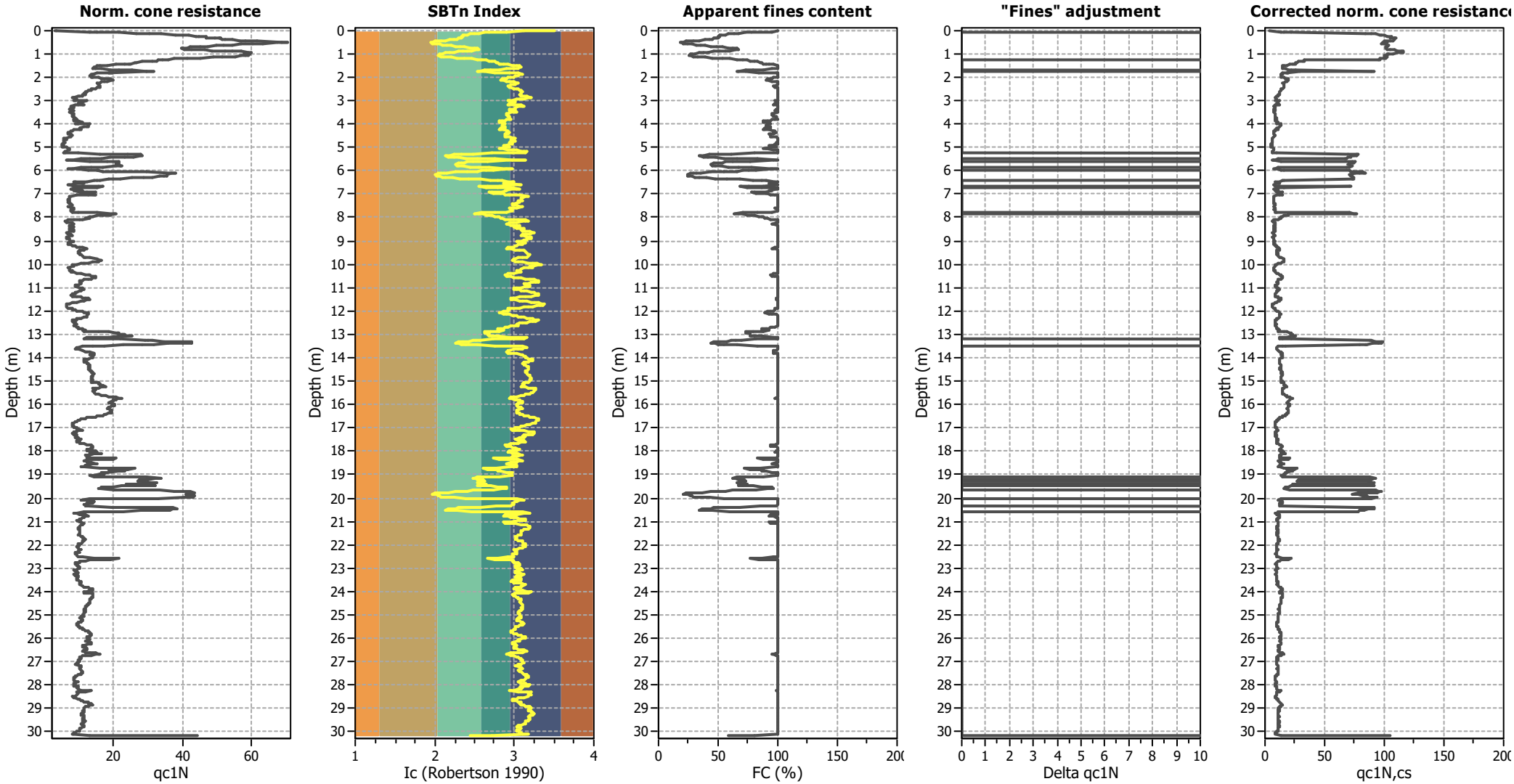
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

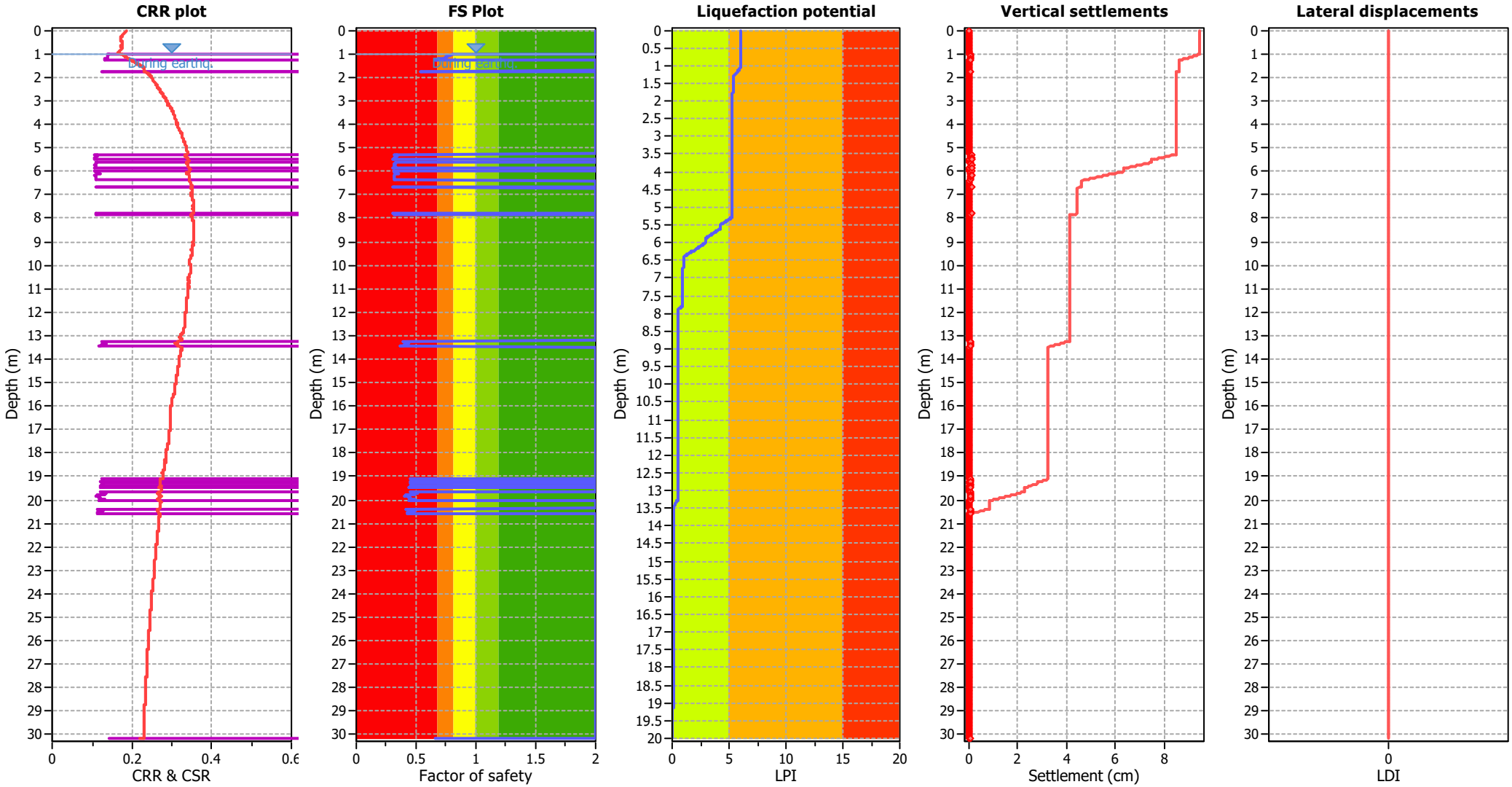
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

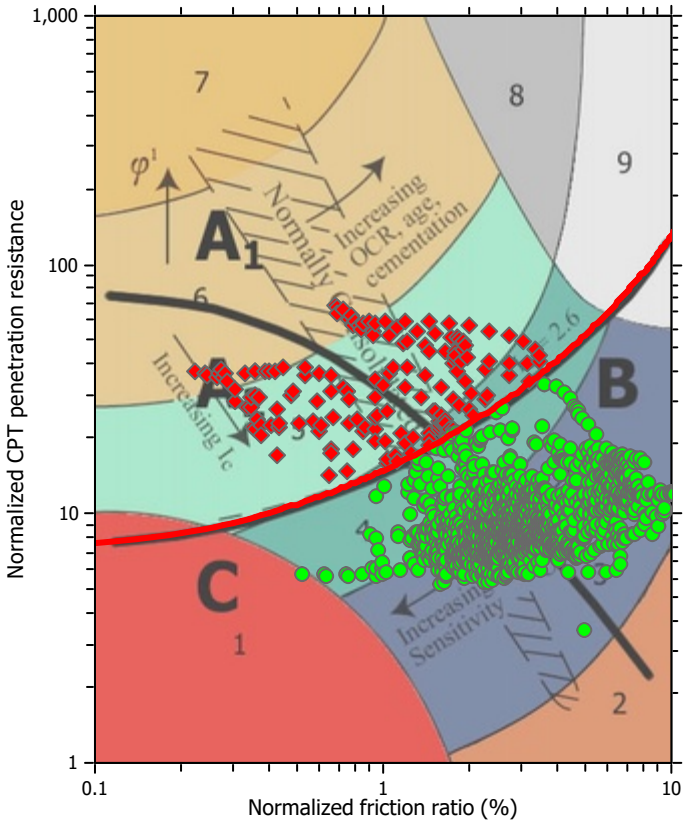
F.S. color scheme

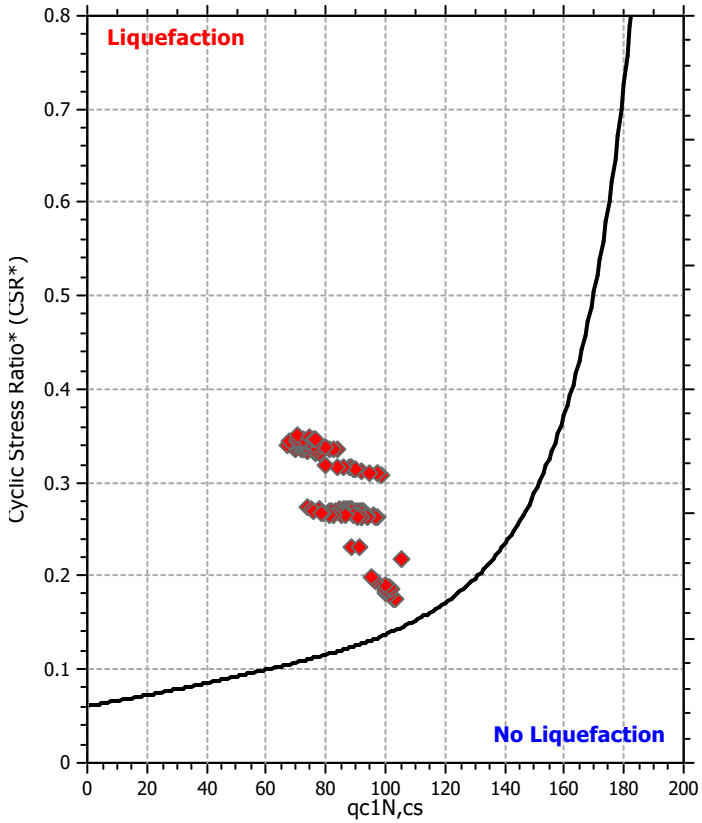
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

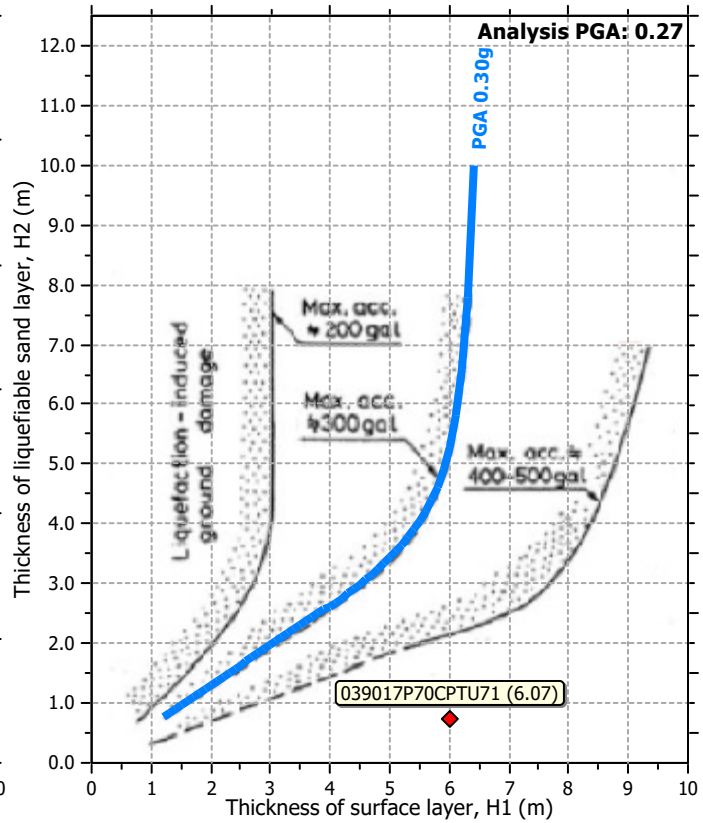
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



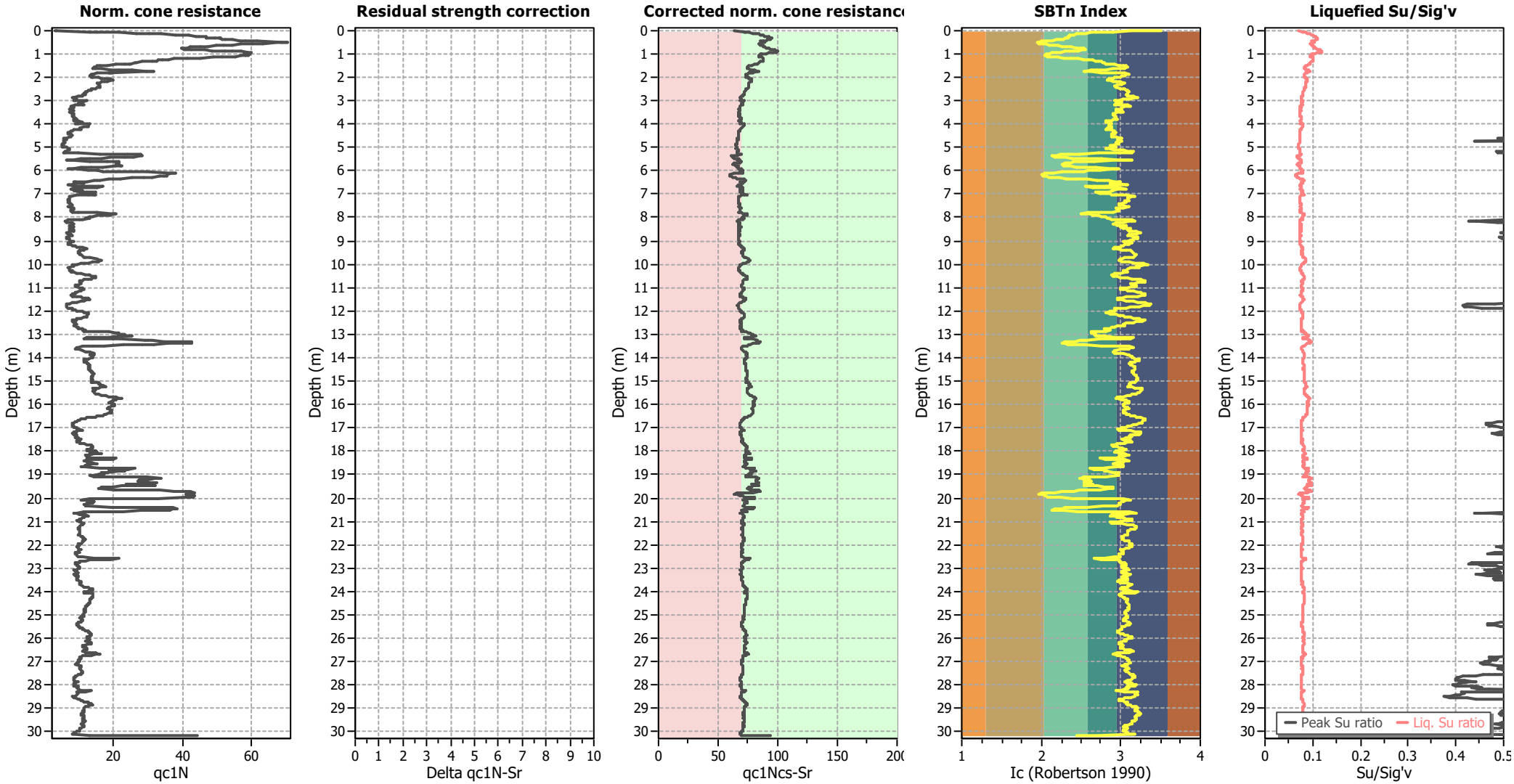




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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	0.81	0.00	0.00	0.02	0.04	1.04	0.81	0.00	0.00	0.02	0.04
1.06	0.78	0.00	0.00	0.02	0.04	1.08	0.76	0.00	0.00	0.02	0.05
1.10	0.75	0.00	0.00	0.02	0.05	1.12	0.75	0.00	0.00	0.02	0.05
1.14	0.74	0.00	0.00	0.02	0.05	1.16	0.75	0.00	0.00	0.02	0.05
1.18	0.73	0.00	0.00	0.02	0.05	1.20	0.72	0.00	0.00	0.02	0.05
1.22	0.69	0.00	0.00	0.02	0.06	1.24	0.68	0.00	0.00	0.02	0.06
1.26	0.66	0.00	0.00	0.02	0.06	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	0.54	0.00	0.00	0.02	0.08	1.76	0.55	0.00	0.00	0.02	0.08
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	0.32	0.00	0.00	0.02	0.10
5.30	0.34	0.00	0.00	0.02	0.10	5.32	0.34	0.00	0.00	0.02	0.10
5.34	0.34	0.00	0.00	0.02	0.10	5.36	0.33	0.00	0.00	0.02	0.10
5.38	0.33	0.00	0.00	0.02	0.10	5.40	0.33	0.00	0.00	0.02	0.10
5.42	0.32	0.00	0.00	0.02	0.10	5.44	0.32	0.00	0.00	0.02	0.10
5.46	0.31	0.00	0.00	0.02	0.10	5.48	0.31	0.00	0.00	0.02	0.10
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	0.32	0.00	0.00	0.02	0.10	5.64	0.33	0.00	0.00	0.02	0.10
5.66	0.33	0.00	0.00	0.02	0.10	5.68	0.32	0.00	0.00	0.02	0.10
5.70	0.32	0.00	0.00	0.02	0.10	5.72	0.32	0.00	0.00	0.02	0.10
5.74	0.31	0.00	0.00	0.02	0.10	5.76	0.32	0.00	0.00	0.02	0.10

:: 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	0.32	0.00	0.00	0.02	0.10	5.80	0.32	0.00	0.00	0.02	0.10
5.82	0.32	0.00	0.00	0.02	0.10	5.84	0.31	0.00	0.00	0.02	0.10
5.86	0.31	0.00	0.00	0.02	0.10	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	0.31	0.69	0.33	0.02	0.10
6.02	0.32	0.68	0.33	0.02	0.10	6.04	0.32	0.68	0.34	0.02	0.09
6.06	0.35	0.65	0.35	0.02	0.09	6.08	0.36	0.64	0.36	0.02	0.09
6.10	0.35	0.65	0.35	0.02	0.09	6.12	0.34	0.66	0.35	0.02	0.09
6.14	0.33	0.67	0.34	0.02	0.09	6.16	0.32	0.68	0.33	0.02	0.09
6.18	0.31	0.69	0.33	0.02	0.10	6.20	0.31	0.69	0.33	0.02	0.09
6.22	0.32	0.68	0.33	0.02	0.09	6.24	0.32	0.68	0.33	0.02	0.09
6.26	0.32	0.68	0.33	0.02	0.09	6.28	0.32	0.68	0.33	0.02	0.09
6.30	0.32	0.68	0.33	0.02	0.09	6.32	0.32	0.68	0.33	0.02	0.09
6.34	0.32	0.68	0.33	0.02	0.09	6.36	0.32	0.68	0.33	0.02	0.09
6.38	0.32	0.68	0.34	0.02	0.09	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	0.31	0.69	0.33	0.02	0.09
6.70	0.32	0.68	0.33	0.02	0.09	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	0.31	0.69	0.33	0.02	0.08
7.82	0.32	0.68	0.33	0.02	0.08	7.84	0.32	0.68	0.34	0.02	0.08
7.86	0.33	0.67	0.34	0.02	0.08	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
8.07	2.00	0.00	0.00	0.03	0.00	8.08	2.00	0.00	0.00	0.01	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	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	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	0.39	0.61	0.38	0.02	0.04
13.26	0.39	0.61	0.38	0.02	0.04	13.28	0.40	0.60	0.38	0.02	0.04
13.30	0.41	0.59	0.39	0.02	0.04	13.32	0.43	0.57	0.41	0.02	0.04
13.34	0.44	0.56	0.42	0.02	0.04	13.36	0.43	0.57	0.41	0.02	0.04
13.38	0.42	0.58	0.40	0.02	0.04	13.40	0.40	0.60	0.39	0.02	0.04
13.42	0.38	0.62	0.37	0.02	0.04	13.44	0.38	0.62	0.37	0.02	0.04

:: 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	0.36	0.64	0.36	0.02	0.04	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	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	18.13	2.00	0.00	0.00	0.03	0.00
18.14	2.00	0.00	0.00	0.01	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	0.45	0.55	0.43	0.02	0.00
19.14	0.48	0.52	0.45	0.02	0.00	19.16	0.47	0.53	0.45	0.02	0.00
19.18	0.47	0.53	0.44	0.02	0.00	19.20	0.46	0.54	0.43	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	0.45	0.55	0.43	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	0.45	0.55	0.43	0.02	0.00	19.32	0.46	0.54	0.44	0.02	0.00
19.34	0.47	0.53	0.45	0.02	0.00	19.36	0.47	0.53	0.44	0.02	0.00
19.38	0.45	0.55	0.43	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	0.46	0.54	0.44	0.02	0.00
19.46	0.47	0.53	0.45	0.02	0.00	19.48	0.44	0.56	0.42	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	0.45	0.55	0.43	0.02	0.00	19.68	0.48	0.52	0.46	0.02	0.00
19.70	0.50	0.50	0.48	0.02	0.00	19.72	0.51	0.49	0.49	0.02	0.00
19.74	0.51	0.49	0.49	0.02	0.00	19.76	0.49	0.51	0.47	0.02	0.00
19.78	0.45	0.55	0.43	0.02	0.00	19.80	0.42	0.58	0.40	0.02	0.00
19.82	0.40	0.60	0.39	0.02	0.00	19.84	0.41	0.59	0.39	0.02	0.00
19.86	0.42	0.58	0.40	0.02	0.00	19.88	0.43	0.57	0.41	0.02	0.00
19.90	0.44	0.56	0.42	0.02	0.00	19.92	0.45	0.55	0.43	0.02	0.00
19.94	0.46	0.54	0.43	0.02	0.00	19.96	0.48	0.52	0.45	0.02	0.00
19.98	0.49	0.51	0.47	0.02	0.00	20.00	0.47	0.53	0.45	0.02	0.00
20.02	0.44	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	0.42	0.00	0.00	0.02	0.00	20.40	0.46	0.00	0.00	0.02	0.00
20.42	0.49	0.00	0.00	0.02	0.00	20.44	0.49	0.00	0.00	0.02	0.00
20.46	0.48	0.00	0.00	0.02	0.00	20.48	0.46	0.00	0.00	0.02	0.00
20.50	0.45	0.00	0.00	0.02	0.00	20.52	0.44	0.00	0.00	0.02	0.00
20.54	0.43	0.00	0.00	0.02	0.00	20.56	0.43	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	0.66	0.00	0.00	0.02	0.00

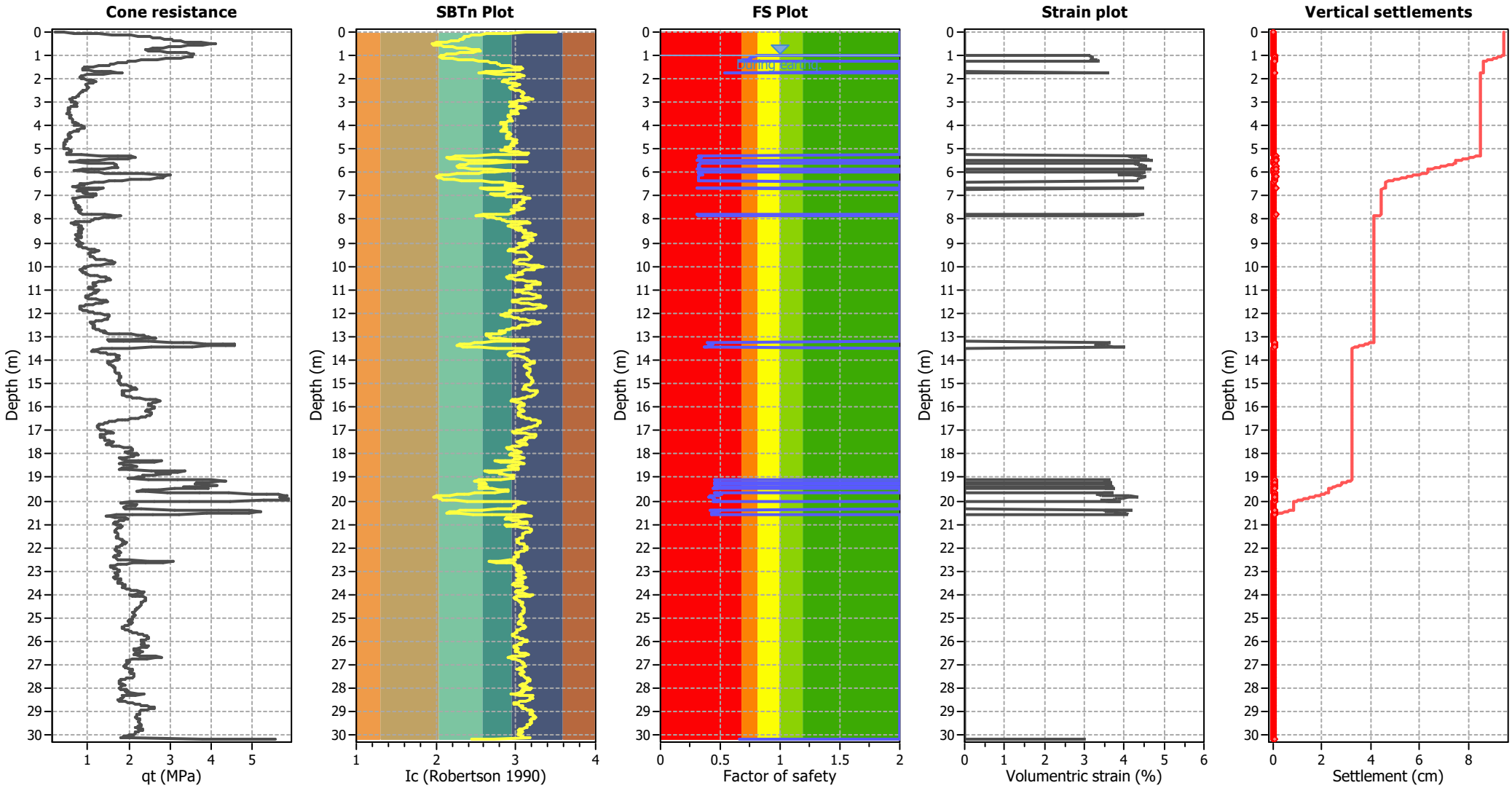
Overall liquefaction potential: 6.07

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

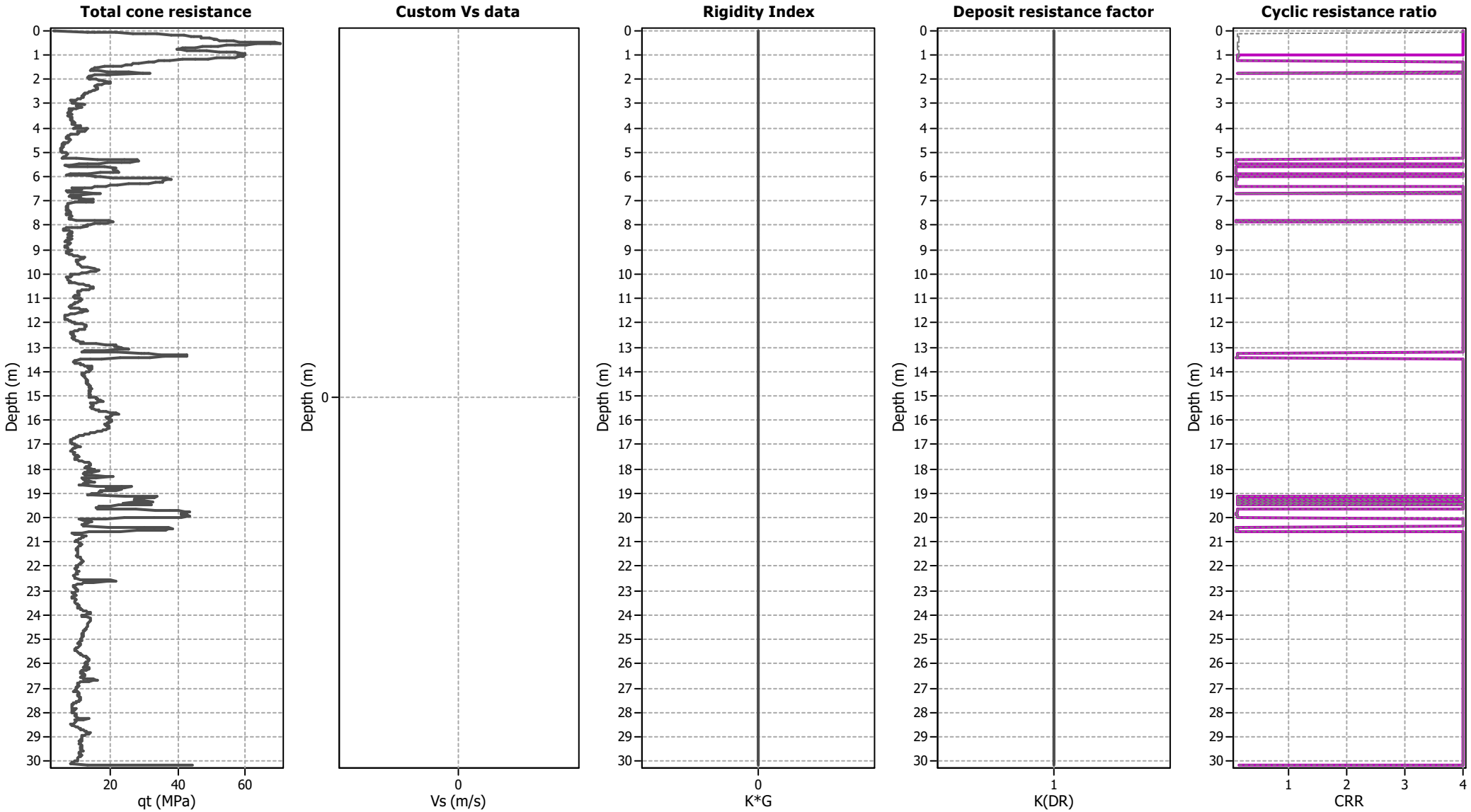
Estimation of post-earthquake settlements



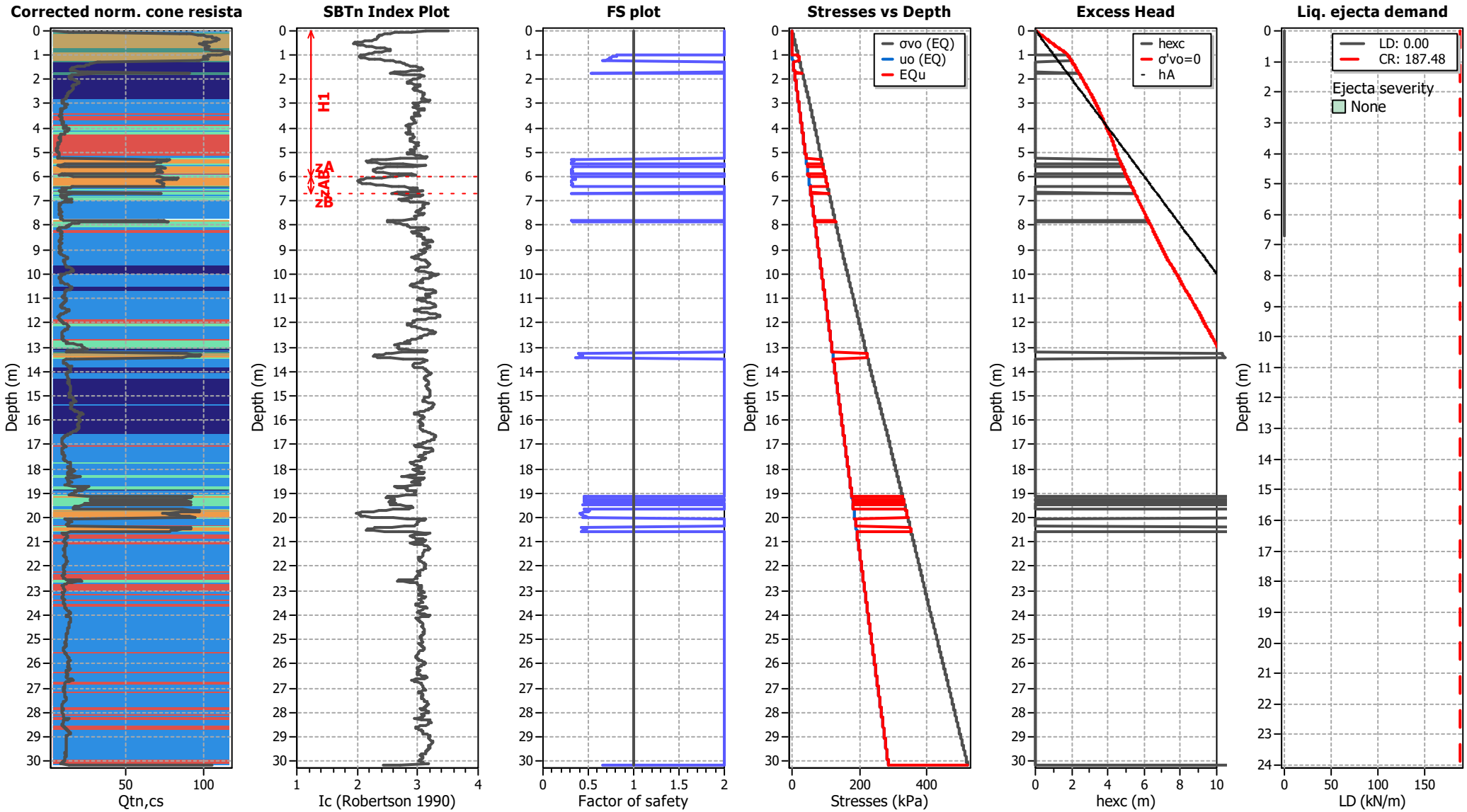
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



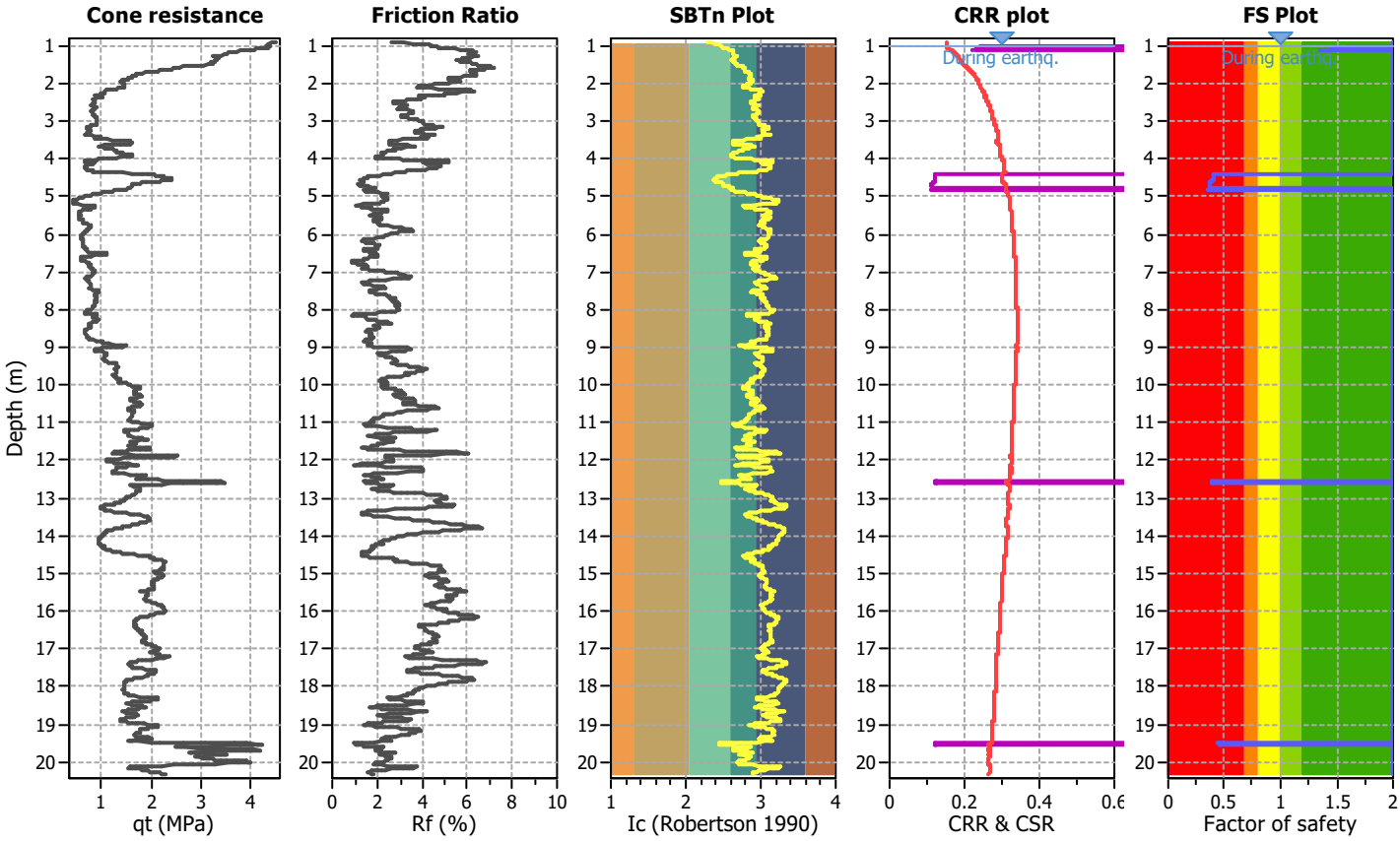
LIQUEFACTION ANALYSIS REPORT

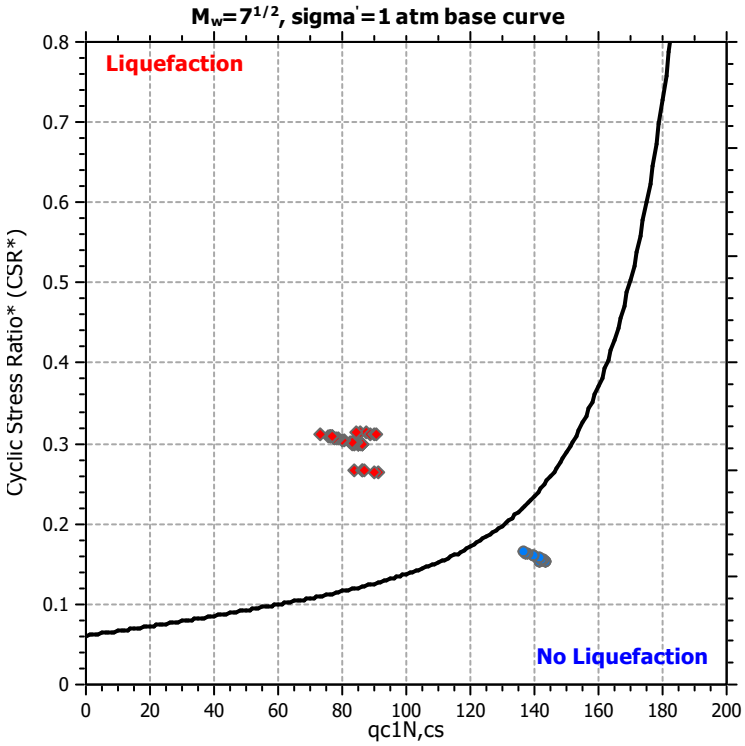
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,27**

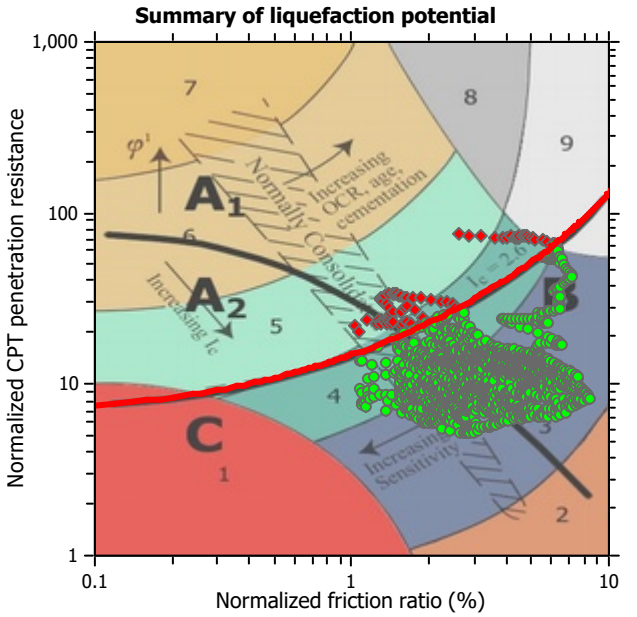
CPT file : 039017P25CPTU25

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.27	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

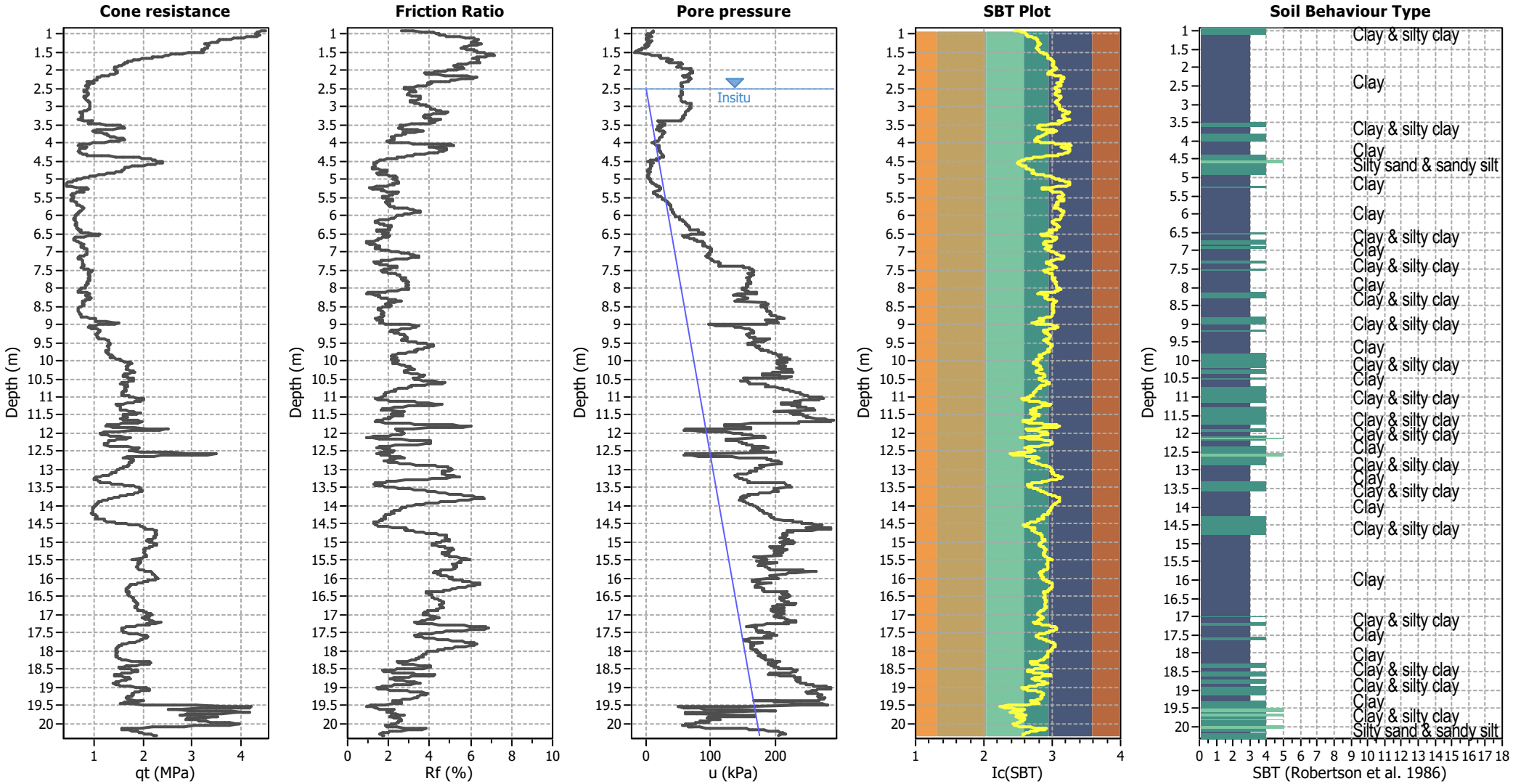






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



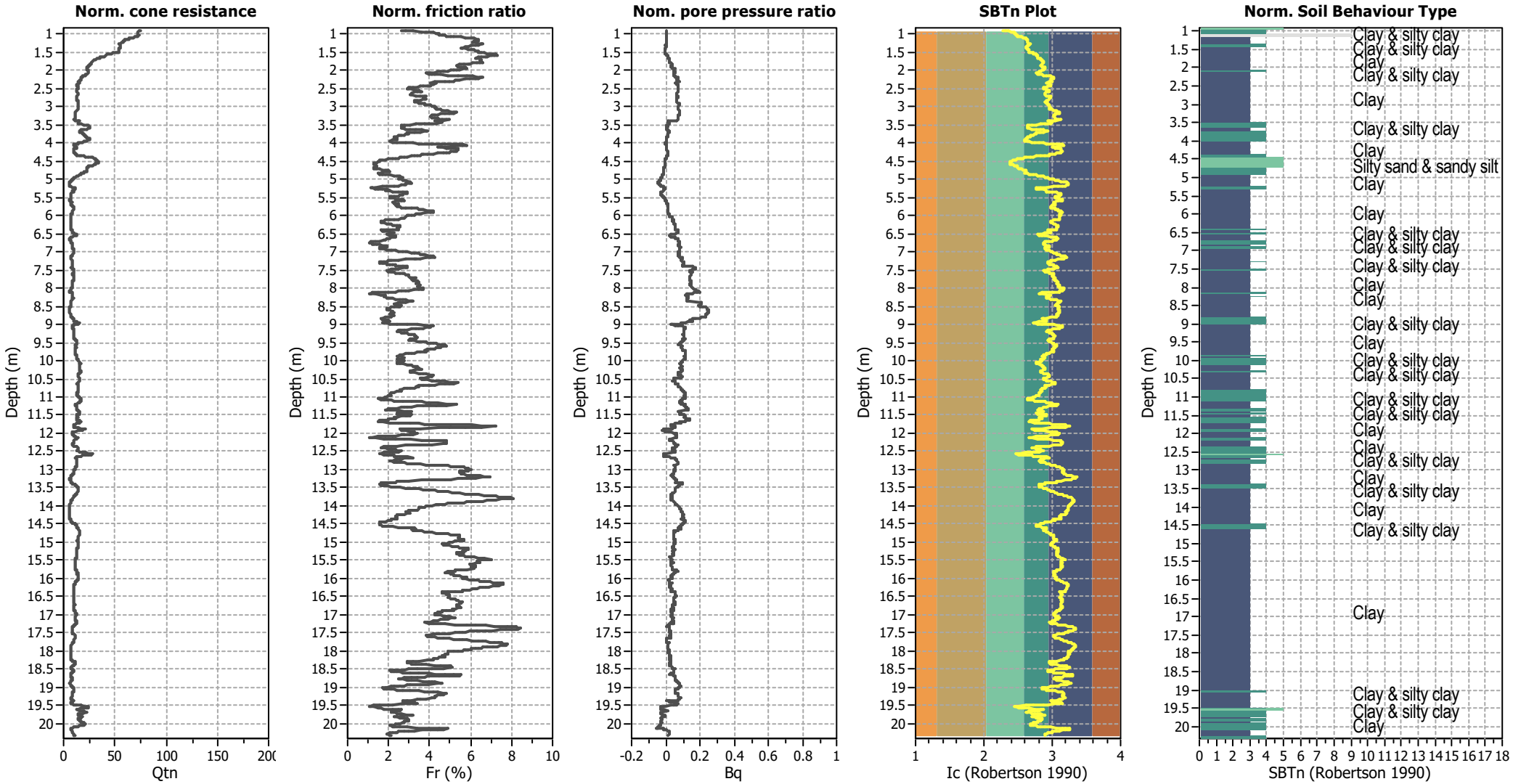
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



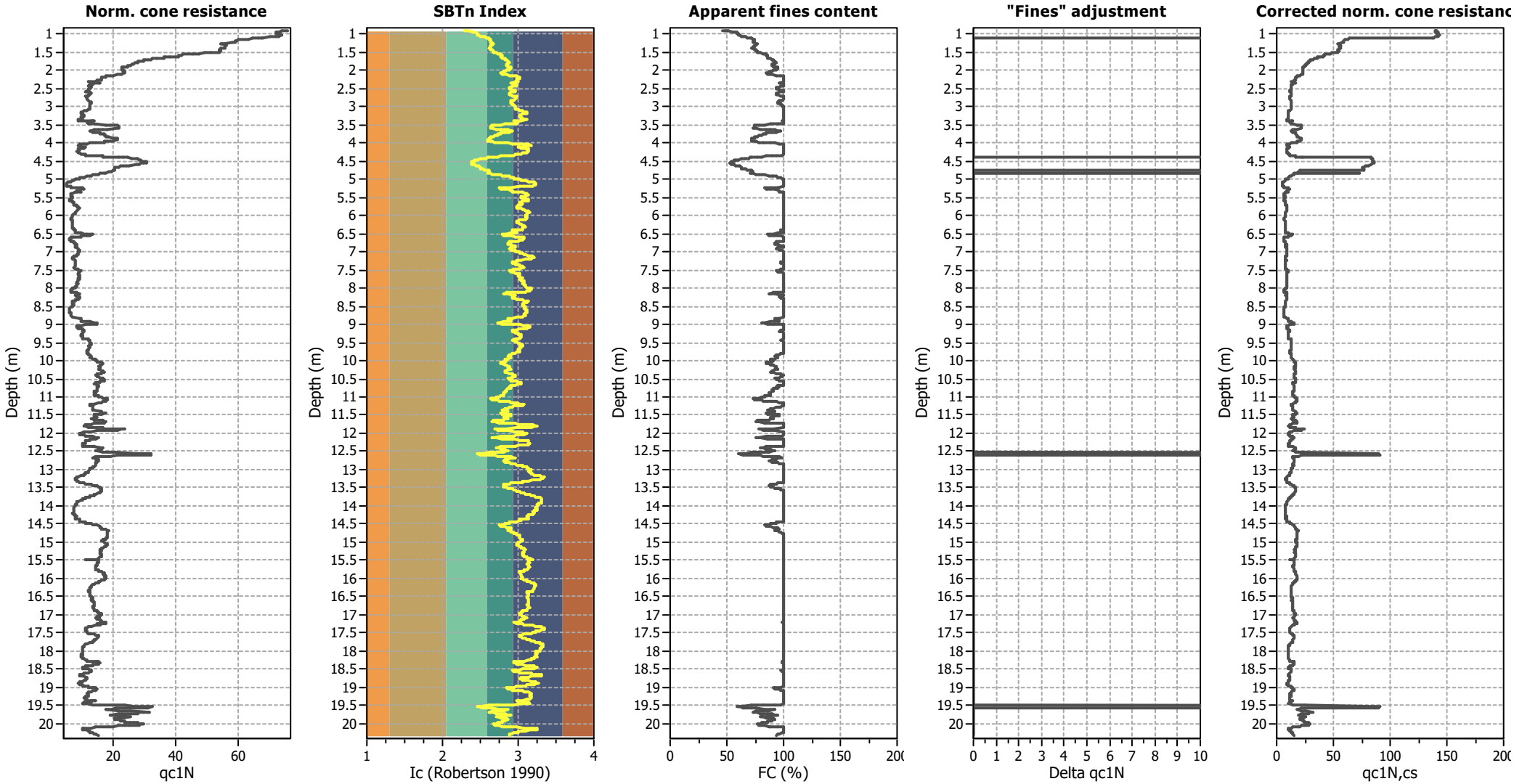
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

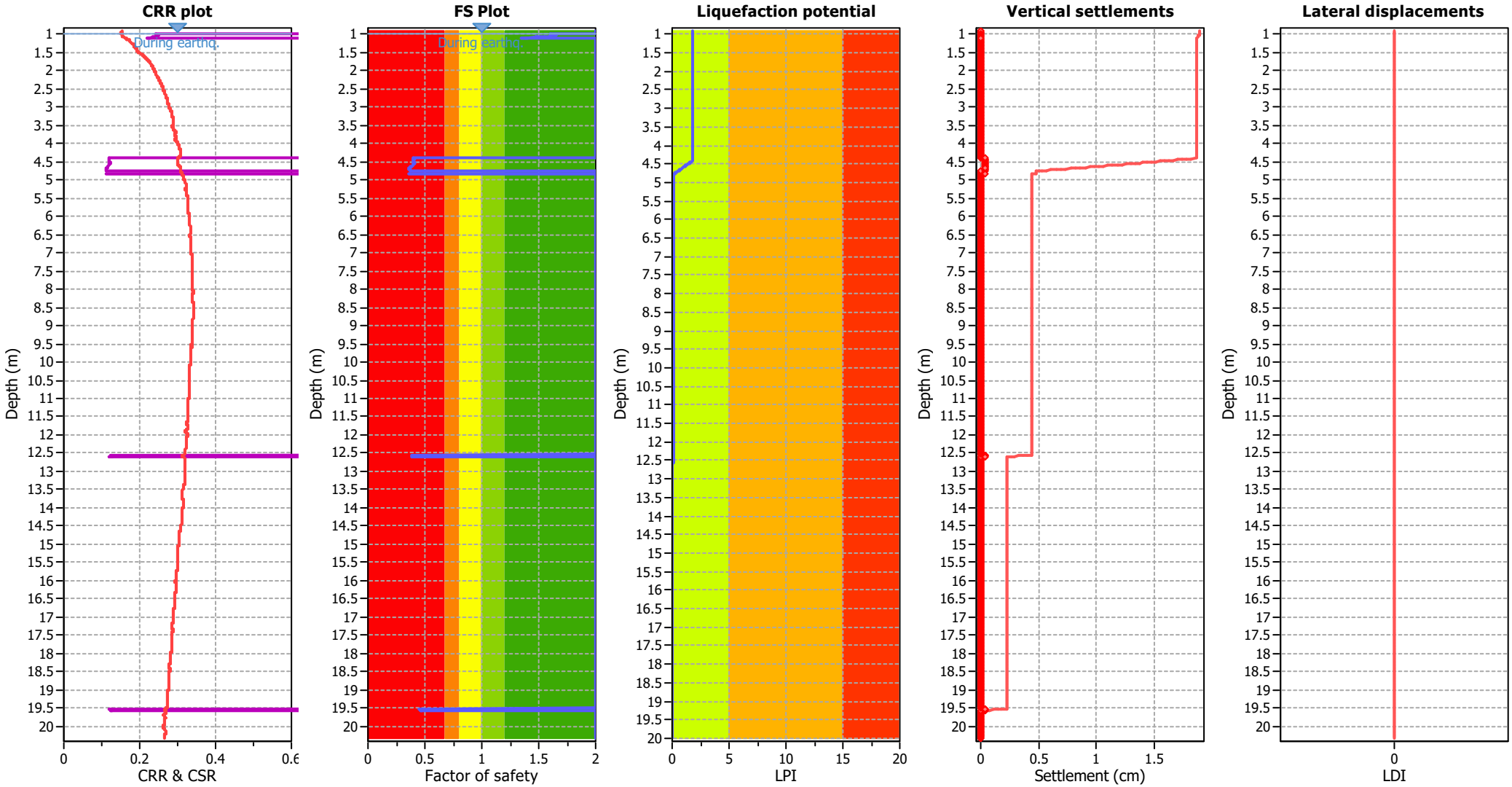
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

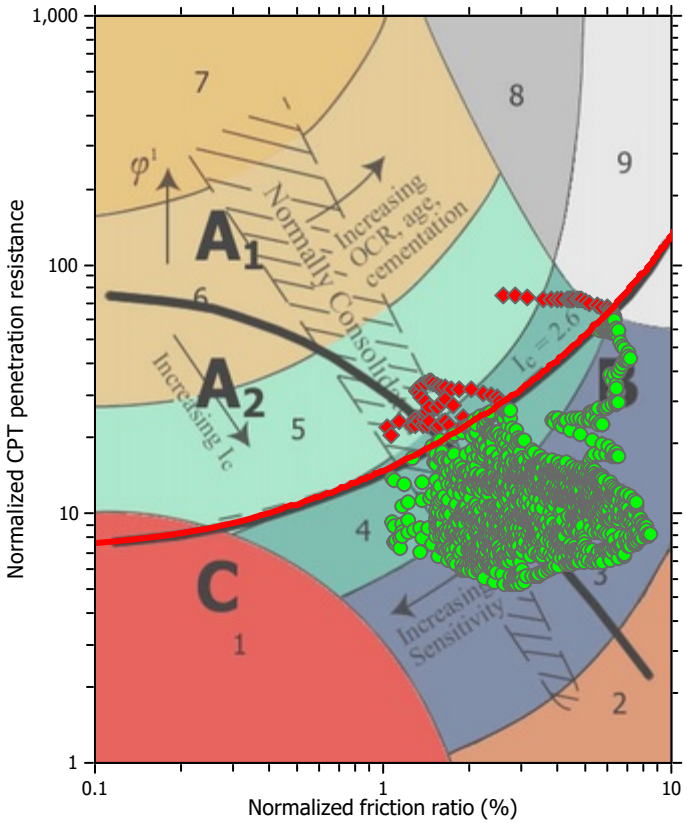
F.S. color scheme

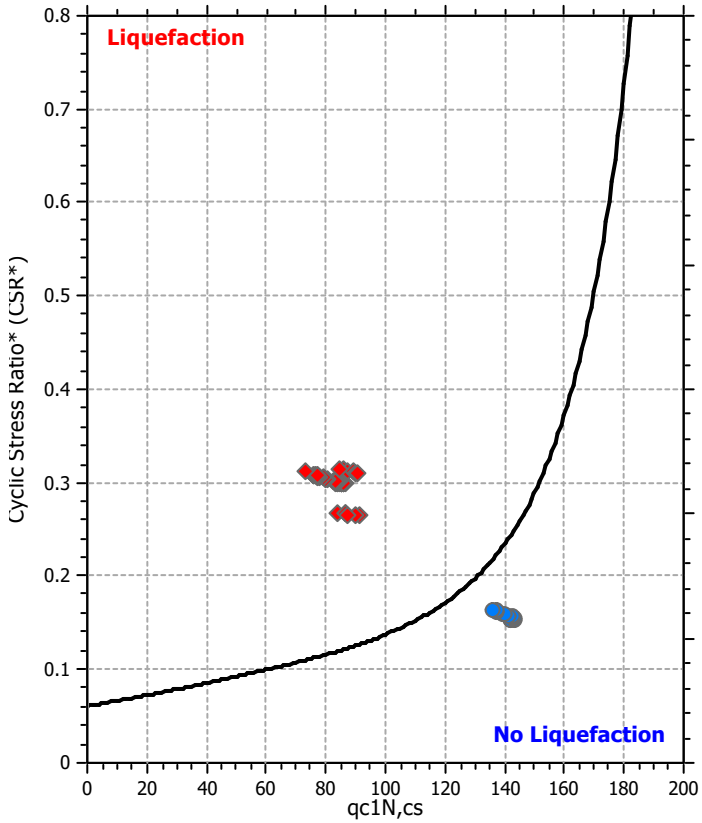
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

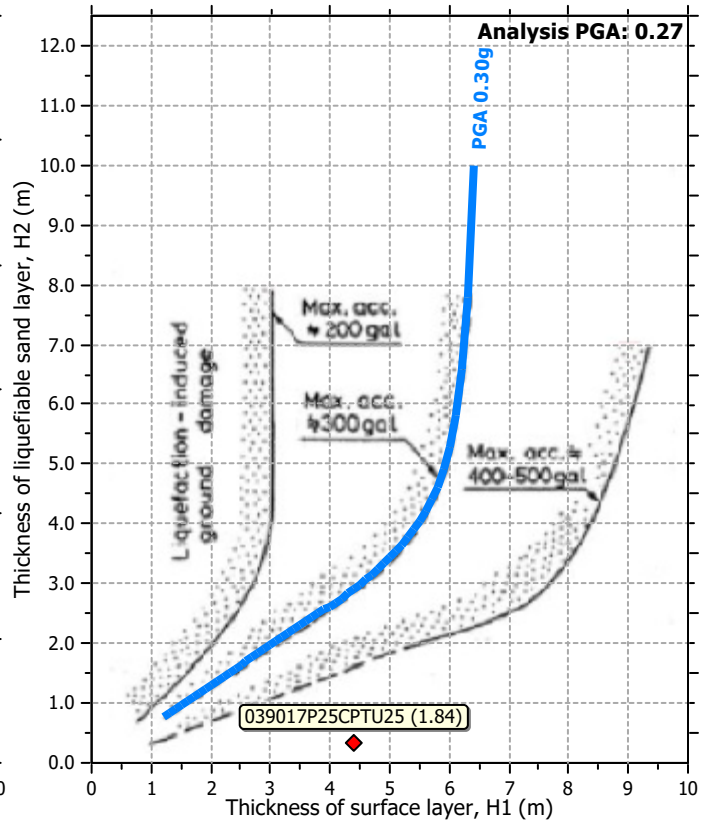
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



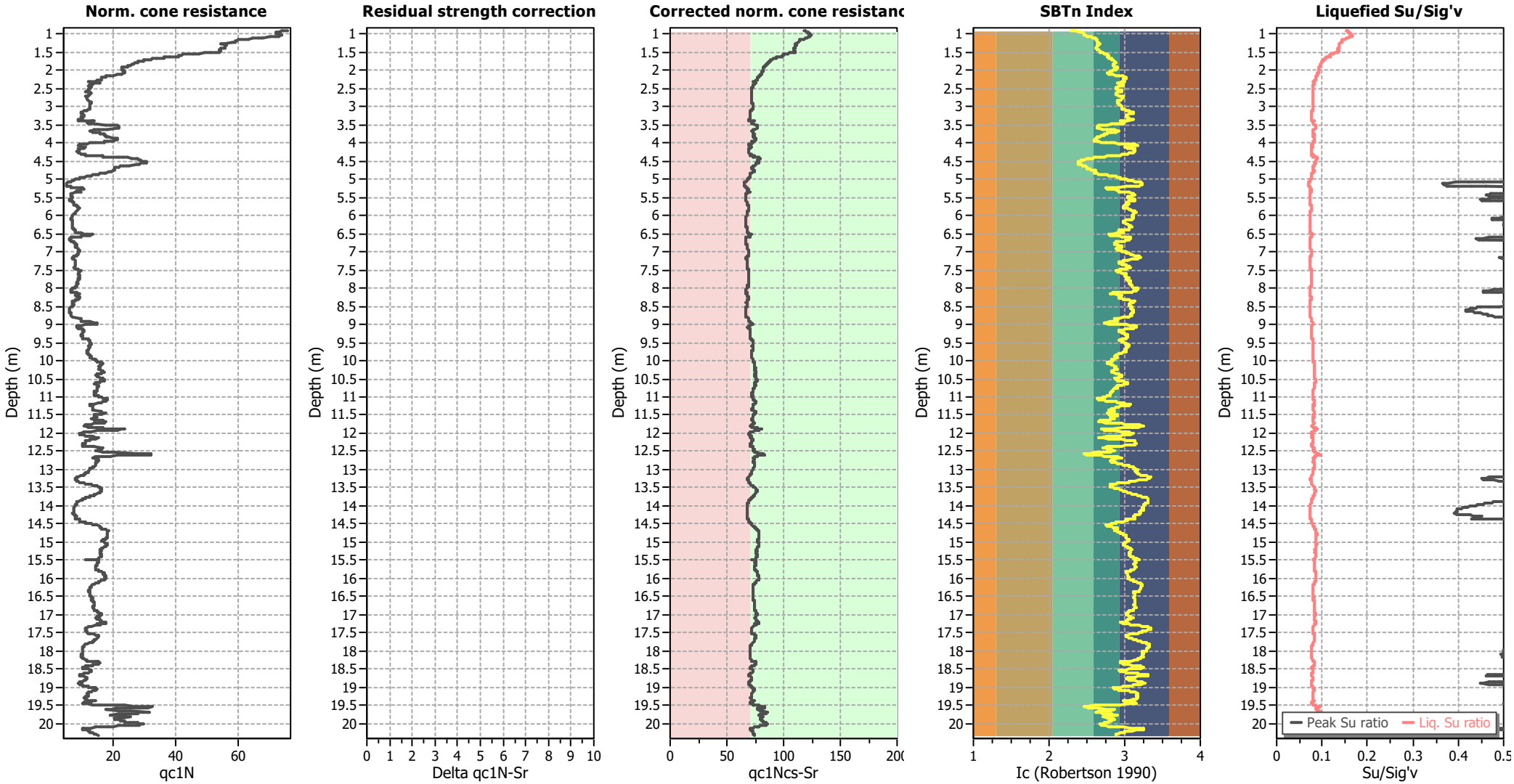




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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}
0.91	2.00	0.00	0.00	0.01	0.00	0.92	2.00	0.00	0.00	0.01	0.00
0.93	2.00	0.00	0.00	0.01	0.00	0.94	2.00	0.00	0.00	0.01	0.00
0.95	2.00	0.00	0.00	0.01	0.00	0.96	2.00	0.00	0.00	0.01	0.00
0.97	2.00	0.00	0.00	0.01	0.00	0.98	2.00	0.00	0.00	0.01	0.00
0.99	2.00	0.00	0.00	0.01	0.00	1.00	2.00	0.00	0.00	0.01	0.00
1.01	1.61	0.00	0.00	0.01	0.00	1.02	1.60	0.00	0.00	0.01	0.00
1.03	1.65	0.00	0.00	0.01	0.00	1.04	1.64	0.00	0.00	0.01	0.00
1.05	1.61	0.00	0.00	0.01	0.00	1.06	1.59	0.00	0.00	0.01	0.00
1.07	1.56	0.00	0.00	0.01	0.00	1.08	1.47	0.00	0.00	0.01	0.00
1.09	1.49	0.00	0.00	0.01	0.00	1.10	1.40	0.00	0.00	0.01	0.00
1.11	1.38	0.00	0.00	0.01	0.00	1.12	1.35	0.00	0.00	0.01	0.00
1.13	2.00	0.00	0.00	0.01	0.00	1.14	2.00	0.00	0.00	0.01	0.00
1.15	2.00	0.00	0.00	0.01	0.00	1.16	2.00	0.00	0.00	0.01	0.00
1.17	2.00	0.00	0.00	0.01	0.00	1.18	2.00	0.00	0.00	0.01	0.00
1.19	2.00	0.00	0.00	0.01	0.00	1.20	2.00	0.00	0.00	0.01	0.00
1.21	2.00	0.00	0.00	0.01	0.00	1.22	2.00	0.00	0.00	0.01	0.00
1.23	2.00	0.00	0.00	0.01	0.00	1.24	2.00	0.00	0.00	0.01	0.00
1.25	2.00	0.00	0.00	0.01	0.00	1.26	2.00	0.00	0.00	0.01	0.00
1.27	2.00	0.00	0.00	0.01	0.00	1.28	2.00	0.00	0.00	0.01	0.00
1.29	2.00	0.00	0.00	0.01	0.00	1.30	2.00	0.00	0.00	0.01	0.00
1.31	2.00	0.00	0.00	0.01	0.00	1.32	2.00	0.00	0.00	0.01	0.00
1.33	2.00	0.00	0.00	0.01	0.00	1.34	2.00	0.00	0.00	0.01	0.00
1.35	2.00	0.00	0.00	0.01	0.00	1.36	2.00	0.00	0.00	0.01	0.00
1.37	2.00	0.00	0.00	0.01	0.00	1.38	2.00	0.00	0.00	0.01	0.00
1.39	2.00	0.00	0.00	0.01	0.00	1.40	2.00	0.00	0.00	0.01	0.00
1.41	2.00	0.00	0.00	0.01	0.00	1.42	2.00	0.00	0.00	0.01	0.00
1.43	2.00	0.00	0.00	0.01	0.00	1.44	2.00	0.00	0.00	0.01	0.00
1.45	2.00	0.00	0.00	0.01	0.00	1.46	2.00	0.00	0.00	0.01	0.00
1.47	2.00	0.00	0.00	0.01	0.00	1.48	2.00	0.00	0.00	0.01	0.00
1.49	2.00	0.00	0.00	0.01	0.00	1.50	2.00	0.00	0.00	0.01	0.00
1.51	2.00	0.00	0.00	0.01	0.00	1.52	2.00	0.00	0.00	0.01	0.00
1.53	2.00	0.00	0.00	0.01	0.00	1.54	2.00	0.00	0.00	0.01	0.00
1.55	2.00	0.00	0.00	0.01	0.00	1.56	2.00	0.00	0.00	0.01	0.00
1.57	2.00	0.00	0.00	0.01	0.00	1.58	2.00	0.00	0.00	0.01	0.00
1.59	2.00	0.00	0.00	0.01	0.00	1.60	2.00	0.00	0.00	0.01	0.00
1.61	2.00	0.00	0.00	0.01	0.00	1.62	2.00	0.00	0.00	0.01	0.00
1.63	2.00	0.00	0.00	0.01	0.00	1.64	2.00	0.00	0.00	0.01	0.00
1.65	2.00	0.00	0.00	0.01	0.00	1.66	2.00	0.00	0.00	0.01	0.00
1.67	2.00	0.00	0.00	0.01	0.00	1.68	2.00	0.00	0.00	0.01	0.00
1.69	2.00	0.00	0.00	0.01	0.00	1.70	2.00	0.00	0.00	0.01	0.00
1.71	2.00	0.00	0.00	0.01	0.00	1.72	2.00	0.00	0.00	0.01	0.00
1.73	2.00	0.00	0.00	0.01	0.00	1.74	2.00	0.00	0.00	0.01	0.00
1.75	2.00	0.00	0.00	0.01	0.00	1.76	2.00	0.00	0.00	0.01	0.00
1.77	2.00	0.00	0.00	0.01	0.00	1.78	2.00	0.00	0.00	0.01	0.00
1.79	2.00	0.00	0.00	0.01	0.00	1.80	2.00	0.00	0.00	0.01	0.00
1.81	2.00	0.00	0.00	0.01	0.00	1.82	2.00	0.00	0.00	0.01	0.00
1.83	2.00	0.00	0.00	0.01	0.00	1.84	2.00	0.00	0.00	0.01	0.00
1.85	2.00	0.00	0.00	0.01	0.00	1.86	2.00	0.00	0.00	0.01	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}
1.87	2.00	0.00	0.00	0.01	0.00	1.88	2.00	0.00	0.00	0.01	0.00
1.89	2.00	0.00	0.00	0.01	0.00	1.90	2.00	0.00	0.00	0.01	0.00
1.91	2.00	0.00	0.00	0.01	0.00	1.92	2.00	0.00	0.00	0.01	0.00
1.93	2.00	0.00	0.00	0.01	0.00	1.94	2.00	0.00	0.00	0.01	0.00
1.95	2.00	0.00	0.00	0.01	0.00	1.96	2.00	0.00	0.00	0.01	0.00
1.97	2.00	0.00	0.00	0.01	0.00	1.98	2.00	0.00	0.00	0.01	0.00
1.99	2.00	0.00	0.00	0.01	0.00	2.00	2.00	0.00	0.00	0.01	0.00
2.01	2.00	0.00	0.00	0.01	0.00	2.02	2.00	0.00	0.00	0.01	0.00
2.03	2.00	0.00	0.00	0.01	0.00	2.04	2.00	0.00	0.00	0.01	0.00
2.05	2.00	0.00	0.00	0.01	0.00	2.06	2.00	0.00	0.00	0.01	0.00
2.07	2.00	0.00	0.00	0.01	0.00	2.08	2.00	0.00	0.00	0.01	0.00
2.09	2.00	0.00	0.00	0.01	0.00	2.10	2.00	0.00	0.00	0.01	0.00
2.11	2.00	0.00	0.00	0.01	0.00	2.12	2.00	0.00	0.00	0.01	0.00
2.13	2.00	0.00	0.00	0.01	0.00	2.14	2.00	0.00	0.00	0.01	0.00
2.15	2.00	0.00	0.00	0.01	0.00	2.16	2.00	0.00	0.00	0.01	0.00
2.17	2.00	0.00	0.00	0.01	0.00	2.18	2.00	0.00	0.00	0.01	0.00
2.19	2.00	0.00	0.00	0.01	0.00	2.20	2.00	0.00	0.00	0.01	0.00
2.21	2.00	0.00	0.00	0.01	0.00	2.22	2.00	0.00	0.00	0.01	0.00
2.23	2.00	0.00	0.00	0.01	0.00	2.24	2.00	0.00	0.00	0.01	0.00
2.25	2.00	0.00	0.00	0.01	0.00	2.26	2.00	0.00	0.00	0.01	0.00
2.27	2.00	0.00	0.00	0.01	0.00	2.28	2.00	0.00	0.00	0.01	0.00
2.29	2.00	0.00	0.00	0.01	0.00	2.30	2.00	0.00	0.00	0.01	0.00
2.31	2.00	0.00	0.00	0.01	0.00	2.32	2.00	0.00	0.00	0.01	0.00
2.33	2.00	0.00	0.00	0.01	0.00	2.34	2.00	0.00	0.00	0.01	0.00
2.35	2.00	0.00	0.00	0.01	0.00	2.36	2.00	0.00	0.00	0.01	0.00
2.37	2.00	0.00	0.00	0.01	0.00	2.38	2.00	0.00	0.00	0.01	0.00
2.39	2.00	0.00	0.00	0.01	0.00	2.40	2.00	0.00	0.00	0.01	0.00
2.41	2.00	0.00	0.00	0.01	0.00	2.42	2.00	0.00	0.00	0.01	0.00
2.43	2.00	0.00	0.00	0.01	0.00	2.44	2.00	0.00	0.00	0.01	0.00
2.45	2.00	0.00	0.00	0.01	0.00	2.46	2.00	0.00	0.00	0.01	0.00
2.47	2.00	0.00	0.00	0.01	0.00	2.48	2.00	0.00	0.00	0.01	0.00
2.49	2.00	0.00	0.00	0.01	0.00	2.50	2.00	0.00	0.00	0.01	0.00
2.51	2.00	0.00	0.00	0.01	0.00	2.52	2.00	0.00	0.00	0.01	0.00
2.53	2.00	0.00	0.00	0.01	0.00	2.54	2.00	0.00	0.00	0.01	0.00
2.55	2.00	0.00	0.00	0.01	0.00	2.56	2.00	0.00	0.00	0.01	0.00
2.57	2.00	0.00	0.00	0.01	0.00	2.58	2.00	0.00	0.00	0.01	0.00
2.59	2.00	0.00	0.00	0.01	0.00	2.60	2.00	0.00	0.00	0.01	0.00
2.61	2.00	0.00	0.00	0.01	0.00	2.62	2.00	0.00	0.00	0.01	0.00
2.63	2.00	0.00	0.00	0.01	0.00	2.64	2.00	0.00	0.00	0.01	0.00
2.65	2.00	0.00	0.00	0.01	0.00	2.66	2.00	0.00	0.00	0.01	0.00
2.67	2.00	0.00	0.00	0.01	0.00	2.68	2.00	0.00	0.00	0.01	0.00
2.69	2.00	0.00	0.00	0.01	0.00	2.70	2.00	0.00	0.00	0.01	0.00
2.71	2.00	0.00	0.00	0.01	0.00	2.72	2.00	0.00	0.00	0.01	0.00
2.73	2.00	0.00	0.00	0.01	0.00	2.74	2.00	0.00	0.00	0.01	0.00
2.75	2.00	0.00	0.00	0.01	0.00	2.76	2.00	0.00	0.00	0.01	0.00
2.77	2.00	0.00	0.00	0.01	0.00	2.78	2.00	0.00	0.00	0.01	0.00
2.79	2.00	0.00	0.00	0.01	0.00	2.80	2.00	0.00	0.00	0.01	0.00
2.81	2.00	0.00	0.00	0.01	0.00	2.82	2.00	0.00	0.00	0.01	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}
2.83	2.00	0.00	0.00	0.01	0.00	2.84	2.00	0.00	0.00	0.01	0.00
2.85	2.00	0.00	0.00	0.01	0.00	2.86	2.00	0.00	0.00	0.01	0.00
2.87	2.00	0.00	0.00	0.01	0.00	2.88	2.00	0.00	0.00	0.01	0.00
2.89	2.00	0.00	0.00	0.01	0.00	2.90	2.00	0.00	0.00	0.01	0.00
2.91	2.00	0.00	0.00	0.01	0.00	2.92	2.00	0.00	0.00	0.01	0.00
2.93	2.00	0.00	0.00	0.01	0.00	2.94	2.00	0.00	0.00	0.01	0.00
2.95	2.00	0.00	0.00	0.01	0.00	2.96	2.00	0.00	0.00	0.01	0.00
2.97	2.00	0.00	0.00	0.01	0.00	2.98	2.00	0.00	0.00	0.01	0.00
2.99	2.00	0.00	0.00	0.01	0.00	3.00	2.00	0.00	0.00	0.01	0.00
3.01	2.00	0.00	0.00	0.01	0.00	3.02	2.00	0.00	0.00	0.01	0.00
3.03	2.00	0.00	0.00	0.01	0.00	3.04	2.00	0.00	0.00	0.01	0.00
3.05	2.00	0.00	0.00	0.01	0.00	3.06	2.00	0.00	0.00	0.01	0.00
3.07	2.00	0.00	0.00	0.01	0.00	3.08	2.00	0.00	0.00	0.01	0.00
3.09	2.00	0.00	0.00	0.01	0.00	3.10	2.00	0.00	0.00	0.01	0.00
3.11	2.00	0.00	0.00	0.01	0.00	3.12	2.00	0.00	0.00	0.01	0.00
3.13	2.00	0.00	0.00	0.01	0.00	3.14	2.00	0.00	0.00	0.01	0.00
3.15	2.00	0.00	0.00	0.01	0.00	3.16	2.00	0.00	0.00	0.01	0.00
3.17	2.00	0.00	0.00	0.01	0.00	3.18	2.00	0.00	0.00	0.01	0.00
3.19	2.00	0.00	0.00	0.01	0.00	3.20	2.00	0.00	0.00	0.01	0.00
3.21	2.00	0.00	0.00	0.01	0.00	3.22	2.00	0.00	0.00	0.01	0.00
3.23	2.00	0.00	0.00	0.01	0.00	3.24	2.00	0.00	0.00	0.01	0.00
3.25	2.00	0.00	0.00	0.01	0.00	3.26	2.00	0.00	0.00	0.01	0.00
3.27	2.00	0.00	0.00	0.01	0.00	3.28	2.00	0.00	0.00	0.01	0.00
3.29	2.00	0.00	0.00	0.01	0.00	3.30	2.00	0.00	0.00	0.01	0.00
3.31	2.00	0.00	0.00	0.01	0.00	3.32	2.00	0.00	0.00	0.01	0.00
3.33	2.00	0.00	0.00	0.01	0.00	3.34	2.00	0.00	0.00	0.01	0.00
3.35	2.00	0.00	0.00	0.01	0.00	3.36	2.00	0.00	0.00	0.01	0.00
3.37	2.00	0.00	0.00	0.01	0.00	3.38	2.00	0.00	0.00	0.01	0.00
3.39	2.00	0.00	0.00	0.01	0.00	3.40	2.00	0.00	0.00	0.01	0.00
3.41	2.00	0.00	0.00	0.01	0.00	3.42	2.00	0.00	0.00	0.01	0.00
3.43	2.00	0.00	0.00	0.01	0.00	3.44	2.00	0.00	0.00	0.01	0.00
3.45	2.00	0.00	0.00	0.01	0.00	3.46	2.00	0.00	0.00	0.01	0.00
3.47	2.00	0.00	0.00	0.01	0.00	3.48	2.00	0.00	0.00	0.01	0.00
3.49	2.00	0.00	0.00	0.01	0.00	3.50	2.00	0.00	0.00	0.01	0.00
3.51	2.00	0.00	0.00	0.01	0.00	3.52	2.00	0.00	0.00	0.01	0.00
3.53	2.00	0.00	0.00	0.01	0.00	3.54	2.00	0.00	0.00	0.01	0.00
3.55	2.00	0.00	0.00	0.01	0.00	3.56	2.00	0.00	0.00	0.01	0.00
3.57	2.00	0.00	0.00	0.01	0.00	3.58	2.00	0.00	0.00	0.01	0.00
3.59	2.00	0.00	0.00	0.01	0.00	3.60	2.00	0.00	0.00	0.01	0.00
3.61	2.00	0.00	0.00	0.01	0.00	3.62	2.00	0.00	0.00	0.01	0.00
3.63	2.00	0.00	0.00	0.01	0.00	3.64	2.00	0.00	0.00	0.01	0.00
3.65	2.00	0.00	0.00	0.01	0.00	3.66	2.00	0.00	0.00	0.01	0.00
3.67	2.00	0.00	0.00	0.01	0.00	3.68	2.00	0.00	0.00	0.01	0.00
3.69	2.00	0.00	0.00	0.01	0.00	3.70	2.00	0.00	0.00	0.01	0.00
3.71	2.00	0.00	0.00	0.01	0.00	3.72	2.00	0.00	0.00	0.01	0.00
3.73	2.00	0.00	0.00	0.01	0.00	3.74	2.00	0.00	0.00	0.01	0.00
3.75	2.00	0.00	0.00	0.01	0.00	3.76	2.00	0.00	0.00	0.01	0.00
3.77	2.00	0.00	0.00	0.01	0.00	3.78	2.00	0.00	0.00	0.01	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}
3.79	2.00	0.00	0.00	0.01	0.00	3.80	2.00	0.00	0.00	0.01	0.00
3.81	2.00	0.00	0.00	0.01	0.00	3.82	2.00	0.00	0.00	0.01	0.00
3.83	2.00	0.00	0.00	0.01	0.00	3.84	2.00	0.00	0.00	0.01	0.00
3.85	2.00	0.00	0.00	0.01	0.00	3.86	2.00	0.00	0.00	0.01	0.00
3.87	2.00	0.00	0.00	0.01	0.00	3.88	2.00	0.00	0.00	0.01	0.00
3.89	2.00	0.00	0.00	0.01	0.00	3.90	2.00	0.00	0.00	0.01	0.00
3.91	2.00	0.00	0.00	0.01	0.00	3.92	2.00	0.00	0.00	0.01	0.00
3.93	2.00	0.00	0.00	0.01	0.00	3.94	2.00	0.00	0.00	0.01	0.00
3.95	2.00	0.00	0.00	0.01	0.00	3.96	2.00	0.00	0.00	0.01	0.00
3.97	2.00	0.00	0.00	0.01	0.00	3.98	2.00	0.00	0.00	0.01	0.00
3.99	2.00	0.00	0.00	0.01	0.00	4.00	2.00	0.00	0.00	0.01	0.00
4.01	2.00	0.00	0.00	0.01	0.00	4.02	2.00	0.00	0.00	0.01	0.00
4.03	2.00	0.00	0.00	0.01	0.00	4.04	2.00	0.00	0.00	0.01	0.00
4.05	2.00	0.00	0.00	0.01	0.00	4.06	2.00	0.00	0.00	0.01	0.00
4.07	2.00	0.00	0.00	0.01	0.00	4.08	2.00	0.00	0.00	0.01	0.00
4.09	2.00	0.00	0.00	0.01	0.00	4.10	2.00	0.00	0.00	0.01	0.00
4.11	2.00	0.00	0.00	0.01	0.00	4.12	2.00	0.00	0.00	0.01	0.00
4.13	2.00	0.00	0.00	0.01	0.00	4.14	2.00	0.00	0.00	0.01	0.00
4.15	2.00	0.00	0.00	0.01	0.00	4.16	2.00	0.00	0.00	0.01	0.00
4.17	2.00	0.00	0.00	0.01	0.00	4.18	2.00	0.00	0.00	0.01	0.00
4.19	2.00	0.00	0.00	0.01	0.00	4.20	2.00	0.00	0.00	0.01	0.00
4.21	2.00	0.00	0.00	0.01	0.00	4.22	2.00	0.00	0.00	0.01	0.00
4.23	2.00	0.00	0.00	0.01	0.00	4.24	2.00	0.00	0.00	0.01	0.00
4.25	2.00	0.00	0.00	0.01	0.00	4.26	2.00	0.00	0.00	0.01	0.00
4.27	2.00	0.00	0.00	0.01	0.00	4.28	2.00	0.00	0.00	0.01	0.00
4.29	2.00	0.00	0.00	0.01	0.00	4.30	2.00	0.00	0.00	0.01	0.00
4.31	2.00	0.00	0.00	0.01	0.00	4.32	2.00	0.00	0.00	0.01	0.00
4.33	2.00	0.00	0.00	0.01	0.00	4.34	2.00	0.00	0.00	0.01	0.00
4.35	2.00	0.00	0.00	0.01	0.00	4.36	2.00	0.00	0.00	0.01	0.00
4.37	2.00	0.00	0.00	0.01	0.00	4.38	2.00	0.00	0.00	0.01	0.00
4.39	2.00	0.00	0.00	0.01	0.00	4.40	2.00	0.00	0.00	0.01	0.00
4.41	0.40	0.60	0.38	0.01	0.05	4.42	0.40	0.60	0.39	0.01	0.05
4.43	0.40	0.60	0.38	0.01	0.05	4.44	0.40	0.60	0.39	0.01	0.05
4.45	0.40	0.60	0.39	0.01	0.05	4.46	0.40	0.60	0.39	0.01	0.05
4.47	0.40	0.60	0.39	0.01	0.05	4.48	0.40	0.60	0.39	0.01	0.05
4.49	0.40	0.60	0.39	0.01	0.05	4.50	0.40	0.60	0.39	0.01	0.05
4.51	0.41	0.59	0.39	0.01	0.05	4.52	0.41	0.59	0.39	0.01	0.05
4.53	0.41	0.59	0.39	0.01	0.05	4.54	0.41	0.59	0.39	0.01	0.05
4.55	0.41	0.59	0.39	0.01	0.05	4.56	0.40	0.60	0.39	0.01	0.05
4.57	0.40	0.60	0.38	0.01	0.05	4.58	0.40	0.60	0.38	0.01	0.05
4.59	0.39	0.61	0.38	0.01	0.05	4.60	0.39	0.61	0.38	0.01	0.05
4.61	0.39	0.61	0.38	0.01	0.05	4.62	0.38	0.62	0.37	0.01	0.05
4.63	0.38	0.62	0.37	0.01	0.05	4.64	0.38	0.62	0.37	0.01	0.05
4.65	0.37	0.63	0.37	0.01	0.05	4.66	0.37	0.63	0.36	0.01	0.05
4.67	0.37	0.63	0.36	0.01	0.05	4.68	0.37	0.63	0.36	0.01	0.05
4.69	0.36	0.64	0.36	0.01	0.05	4.70	0.36	0.64	0.36	0.01	0.05
4.71	0.37	0.63	0.36	0.01	0.05	4.72	0.37	0.63	0.36	0.01	0.05
4.73	0.37	0.63	0.36	0.01	0.05	4.74	0.37	0.63	0.36	0.01	0.05

:: 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}
4.75	0.37	0.63	0.36	0.01	0.05	4.76	2.00	0.00	0.00	0.01	0.00
4.77	2.00	0.00	0.00	0.01	0.00	4.78	2.00	0.00	0.00	0.01	0.00
4.79	2.00	0.00	0.00	0.01	0.00	4.80	2.00	0.00	0.00	0.01	0.00
4.81	2.00	0.00	0.00	0.01	0.00	4.82	2.00	0.00	0.00	0.01	0.00
4.83	0.35	0.65	0.35	0.01	0.05	4.84	2.00	0.00	0.00	0.01	0.00
4.85	2.00	0.00	0.00	0.01	0.00	4.86	2.00	0.00	0.00	0.01	0.00
4.87	2.00	0.00	0.00	0.01	0.00	4.88	2.00	0.00	0.00	0.01	0.00
4.89	2.00	0.00	0.00	0.01	0.00	4.90	2.00	0.00	0.00	0.01	0.00
4.91	2.00	0.00	0.00	0.01	0.00	4.92	2.00	0.00	0.00	0.01	0.00
4.93	2.00	0.00	0.00	0.01	0.00	4.94	2.00	0.00	0.00	0.01	0.00
4.95	2.00	0.00	0.00	0.01	0.00	4.96	2.00	0.00	0.00	0.01	0.00
4.97	2.00	0.00	0.00	0.01	0.00	4.98	2.00	0.00	0.00	0.01	0.00
4.99	2.00	0.00	0.00	0.01	0.00	5.00	2.00	0.00	0.00	0.01	0.00
5.01	2.00	0.00	0.00	0.01	0.00	5.02	2.00	0.00	0.00	0.01	0.00
5.03	2.00	0.00	0.00	0.01	0.00	5.04	2.00	0.00	0.00	0.01	0.00
5.05	2.00	0.00	0.00	0.01	0.00	5.06	2.00	0.00	0.00	0.01	0.00
5.07	2.00	0.00	0.00	0.01	0.00	5.08	2.00	0.00	0.00	0.01	0.00
5.09	2.00	0.00	0.00	0.01	0.00	5.10	2.00	0.00	0.00	0.01	0.00
5.11	2.00	0.00	0.00	0.01	0.00	5.12	2.00	0.00	0.00	0.01	0.00
5.13	2.00	0.00	0.00	0.01	0.00	5.14	2.00	0.00	0.00	0.01	0.00
5.15	2.00	0.00	0.00	0.01	0.00	5.16	2.00	0.00	0.00	0.01	0.00
5.17	2.00	0.00	0.00	0.01	0.00	5.18	2.00	0.00	0.00	0.01	0.00
5.19	2.00	0.00	0.00	0.01	0.00	5.20	2.00	0.00	0.00	0.01	0.00
5.21	2.00	0.00	0.00	0.01	0.00	5.22	2.00	0.00	0.00	0.01	0.00
5.23	2.00	0.00	0.00	0.01	0.00	5.24	2.00	0.00	0.00	0.01	0.00
5.25	2.00	0.00	0.00	0.01	0.00	5.26	2.00	0.00	0.00	0.01	0.00
5.27	2.00	0.00	0.00	0.01	0.00	5.28	2.00	0.00	0.00	0.01	0.00
5.29	2.00	0.00	0.00	0.01	0.00	5.30	2.00	0.00	0.00	0.01	0.00
5.31	2.00	0.00	0.00	0.01	0.00	5.32	2.00	0.00	0.00	0.01	0.00
5.33	2.00	0.00	0.00	0.01	0.00	5.34	2.00	0.00	0.00	0.01	0.00
5.35	2.00	0.00	0.00	0.01	0.00	5.36	2.00	0.00	0.00	0.01	0.00
5.37	2.00	0.00	0.00	0.01	0.00	5.38	2.00	0.00	0.00	0.01	0.00
5.39	2.00	0.00	0.00	0.01	0.00	5.40	2.00	0.00	0.00	0.01	0.00
5.41	2.00	0.00	0.00	0.01	0.00	5.42	2.00	0.00	0.00	0.01	0.00
5.43	2.00	0.00	0.00	0.01	0.00	5.44	2.00	0.00	0.00	0.01	0.00
5.45	2.00	0.00	0.00	0.01	0.00	5.46	2.00	0.00	0.00	0.01	0.00
5.47	2.00	0.00	0.00	0.01	0.00	5.48	2.00	0.00	0.00	0.01	0.00
5.49	2.00	0.00	0.00	0.01	0.00	5.50	2.00	0.00	0.00	0.01	0.00
5.51	2.00	0.00	0.00	0.01	0.00	5.52	2.00	0.00	0.00	0.01	0.00
5.53	2.00	0.00	0.00	0.01	0.00	5.54	2.00	0.00	0.00	0.01	0.00
5.55	2.00	0.00	0.00	0.01	0.00	5.56	2.00	0.00	0.00	0.01	0.00
5.57	2.00	0.00	0.00	0.01	0.00	5.58	2.00	0.00	0.00	0.01	0.00
5.59	2.00	0.00	0.00	0.01	0.00	5.60	2.00	0.00	0.00	0.01	0.00
5.61	2.00	0.00	0.00	0.01	0.00	5.62	2.00	0.00	0.00	0.01	0.00
5.63	2.00	0.00	0.00	0.01	0.00	5.64	2.00	0.00	0.00	0.01	0.00
5.65	2.00	0.00	0.00	0.01	0.00	5.66	2.00	0.00	0.00	0.01	0.00
5.67	2.00	0.00	0.00	0.01	0.00	5.68	2.00	0.00	0.00	0.01	0.00
5.69	2.00	0.00	0.00	0.01	0.00	5.70	2.00	0.00	0.00	0.01	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}
5.71	2.00	0.00	0.00	0.01	0.00	5.72	2.00	0.00	0.00	0.01	0.00
5.73	2.00	0.00	0.00	0.01	0.00	5.74	2.00	0.00	0.00	0.01	0.00
5.75	2.00	0.00	0.00	0.01	0.00	5.76	2.00	0.00	0.00	0.01	0.00
5.77	2.00	0.00	0.00	0.01	0.00	5.78	2.00	0.00	0.00	0.01	0.00
5.79	2.00	0.00	0.00	0.01	0.00	5.80	2.00	0.00	0.00	0.01	0.00
5.81	2.00	0.00	0.00	0.01	0.00	5.82	2.00	0.00	0.00	0.01	0.00
5.83	2.00	0.00	0.00	0.01	0.00	5.84	2.00	0.00	0.00	0.01	0.00
5.85	2.00	0.00	0.00	0.01	0.00	5.86	2.00	0.00	0.00	0.01	0.00
5.87	2.00	0.00	0.00	0.01	0.00	5.88	2.00	0.00	0.00	0.01	0.00
5.89	2.00	0.00	0.00	0.01	0.00	5.90	2.00	0.00	0.00	0.01	0.00
5.91	2.00	0.00	0.00	0.01	0.00	5.92	2.00	0.00	0.00	0.01	0.00
5.93	2.00	0.00	0.00	0.01	0.00	5.94	2.00	0.00	0.00	0.01	0.00
5.95	2.00	0.00	0.00	0.01	0.00	5.96	2.00	0.00	0.00	0.01	0.00
5.97	2.00	0.00	0.00	0.01	0.00	5.98	2.00	0.00	0.00	0.01	0.00
5.99	2.00	0.00	0.00	0.01	0.00	6.00	2.00	0.00	0.00	0.01	0.00
6.01	2.00	0.00	0.00	0.01	0.00	6.02	2.00	0.00	0.00	0.01	0.00
6.03	2.00	0.00	0.00	0.01	0.00	6.04	2.00	0.00	0.00	0.01	0.00
6.05	2.00	0.00	0.00	0.01	0.00	6.06	2.00	0.00	0.00	0.01	0.00
6.07	2.00	0.00	0.00	0.01	0.00	6.08	2.00	0.00	0.00	0.01	0.00
6.09	2.00	0.00	0.00	0.01	0.00	6.10	2.00	0.00	0.00	0.01	0.00
6.11	2.00	0.00	0.00	0.01	0.00	6.12	2.00	0.00	0.00	0.01	0.00
6.13	2.00	0.00	0.00	0.01	0.00	6.14	2.00	0.00	0.00	0.01	0.00
6.15	2.00	0.00	0.00	0.01	0.00	6.16	2.00	0.00	0.00	0.01	0.00
6.17	2.00	0.00	0.00	0.01	0.00	6.18	2.00	0.00	0.00	0.01	0.00
6.19	2.00	0.00	0.00	0.01	0.00	6.20	2.00	0.00	0.00	0.01	0.00
6.21	2.00	0.00	0.00	0.01	0.00	6.22	2.00	0.00	0.00	0.01	0.00
6.23	2.00	0.00	0.00	0.01	0.00	6.24	2.00	0.00	0.00	0.01	0.00
6.25	2.00	0.00	0.00	0.01	0.00	6.26	2.00	0.00	0.00	0.01	0.00
6.27	2.00	0.00	0.00	0.01	0.00	6.28	2.00	0.00	0.00	0.01	0.00
6.29	2.00	0.00	0.00	0.01	0.00	6.30	2.00	0.00	0.00	0.01	0.00
6.31	2.00	0.00	0.00	0.01	0.00	6.32	2.00	0.00	0.00	0.01	0.00
6.33	2.00	0.00	0.00	0.01	0.00	6.34	2.00	0.00	0.00	0.01	0.00
6.35	2.00	0.00	0.00	0.01	0.00	6.36	2.00	0.00	0.00	0.01	0.00
6.37	2.00	0.00	0.00	0.01	0.00	6.38	2.00	0.00	0.00	0.01	0.00
6.39	2.00	0.00	0.00	0.01	0.00	6.40	2.00	0.00	0.00	0.01	0.00
6.41	2.00	0.00	0.00	0.01	0.00	6.42	2.00	0.00	0.00	0.01	0.00
6.43	2.00	0.00	0.00	0.01	0.00	6.44	2.00	0.00	0.00	0.01	0.00
6.45	2.00	0.00	0.00	0.01	0.00	6.46	2.00	0.00	0.00	0.01	0.00
6.47	2.00	0.00	0.00	0.01	0.00	6.48	2.00	0.00	0.00	0.01	0.00
6.49	2.00	0.00	0.00	0.01	0.00	6.50	2.00	0.00	0.00	0.01	0.00
6.51	2.00	0.00	0.00	0.01	0.00	6.52	2.00	0.00	0.00	0.01	0.00
6.53	2.00	0.00	0.00	0.01	0.00	6.54	2.00	0.00	0.00	0.01	0.00
6.55	2.00	0.00	0.00	0.01	0.00	6.56	2.00	0.00	0.00	0.01	0.00
6.57	2.00	0.00	0.00	0.01	0.00	6.58	2.00	0.00	0.00	0.01	0.00
6.59	2.00	0.00	0.00	0.01	0.00	6.60	2.00	0.00	0.00	0.01	0.00
6.61	2.00	0.00	0.00	0.01	0.00	6.62	2.00	0.00	0.00	0.01	0.00
6.63	2.00	0.00	0.00	0.01	0.00	6.64	2.00	0.00	0.00	0.01	0.00
6.65	2.00	0.00	0.00	0.01	0.00	6.66	2.00	0.00	0.00	0.01	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}
6.67	2.00	0.00	0.00	0.01	0.00	6.68	2.00	0.00	0.00	0.01	0.00
6.69	2.00	0.00	0.00	0.01	0.00	6.70	2.00	0.00	0.00	0.01	0.00
6.71	2.00	0.00	0.00	0.01	0.00	6.72	2.00	0.00	0.00	0.01	0.00
6.73	2.00	0.00	0.00	0.01	0.00	6.74	2.00	0.00	0.00	0.01	0.00
6.75	2.00	0.00	0.00	0.01	0.00	6.76	2.00	0.00	0.00	0.01	0.00
6.77	2.00	0.00	0.00	0.01	0.00	6.78	2.00	0.00	0.00	0.01	0.00
6.79	2.00	0.00	0.00	0.01	0.00	6.80	2.00	0.00	0.00	0.01	0.00
6.81	2.00	0.00	0.00	0.01	0.00	6.82	2.00	0.00	0.00	0.01	0.00
6.83	2.00	0.00	0.00	0.01	0.00	6.84	2.00	0.00	0.00	0.01	0.00
6.85	2.00	0.00	0.00	0.01	0.00	6.86	2.00	0.00	0.00	0.01	0.00
6.87	2.00	0.00	0.00	0.01	0.00	6.88	2.00	0.00	0.00	0.01	0.00
6.89	2.00	0.00	0.00	0.01	0.00	6.90	2.00	0.00	0.00	0.01	0.00
6.91	2.00	0.00	0.00	0.01	0.00	6.92	2.00	0.00	0.00	0.01	0.00
6.93	2.00	0.00	0.00	0.01	0.00	6.94	2.00	0.00	0.00	0.01	0.00
6.95	2.00	0.00	0.00	0.01	0.00	6.96	2.00	0.00	0.00	0.01	0.00
6.97	2.00	0.00	0.00	0.01	0.00	6.98	2.00	0.00	0.00	0.01	0.00
6.99	2.00	0.00	0.00	0.01	0.00	7.00	2.00	0.00	0.00	0.01	0.00
7.01	2.00	0.00	0.00	0.01	0.00	7.02	2.00	0.00	0.00	0.01	0.00
7.03	2.00	0.00	0.00	0.01	0.00	7.04	2.00	0.00	0.00	0.01	0.00
7.05	2.00	0.00	0.00	0.01	0.00	7.06	2.00	0.00	0.00	0.01	0.00
7.07	2.00	0.00	0.00	0.01	0.00	7.08	2.00	0.00	0.00	0.01	0.00
7.09	2.00	0.00	0.00	0.01	0.00	7.10	2.00	0.00	0.00	0.01	0.00
7.11	2.00	0.00	0.00	0.01	0.00	7.12	2.00	0.00	0.00	0.01	0.00
7.13	2.00	0.00	0.00	0.01	0.00	7.14	2.00	0.00	0.00	0.01	0.00
7.15	2.00	0.00	0.00	0.01	0.00	7.16	2.00	0.00	0.00	0.01	0.00
7.17	2.00	0.00	0.00	0.01	0.00	7.18	2.00	0.00	0.00	0.01	0.00
7.19	2.00	0.00	0.00	0.01	0.00	7.20	2.00	0.00	0.00	0.01	0.00
7.21	2.00	0.00	0.00	0.01	0.00	7.22	2.00	0.00	0.00	0.01	0.00
7.23	2.00	0.00	0.00	0.01	0.00	7.24	2.00	0.00	0.00	0.01	0.00
7.25	2.00	0.00	0.00	0.01	0.00	7.26	2.00	0.00	0.00	0.01	0.00
7.27	2.00	0.00	0.00	0.01	0.00	7.28	2.00	0.00	0.00	0.01	0.00
7.29	2.00	0.00	0.00	0.01	0.00	7.30	2.00	0.00	0.00	0.01	0.00
7.31	2.00	0.00	0.00	0.01	0.00	7.32	2.00	0.00	0.00	0.01	0.00
7.33	2.00	0.00	0.00	0.01	0.00	7.34	2.00	0.00	0.00	0.01	0.00
7.35	2.00	0.00	0.00	0.01	0.00	7.36	2.00	0.00	0.00	0.01	0.00
7.37	2.00	0.00	0.00	0.01	0.00	7.38	2.00	0.00	0.00	0.01	0.00
7.39	2.00	0.00	0.00	0.01	0.00	7.40	2.00	0.00	0.00	0.01	0.00
7.41	2.00	0.00	0.00	0.01	0.00	7.42	2.00	0.00	0.00	0.01	0.00
7.43	2.00	0.00	0.00	0.01	0.00	7.44	2.00	0.00	0.00	0.01	0.00
7.45	2.00	0.00	0.00	0.01	0.00	7.46	2.00	0.00	0.00	0.01	0.00
7.47	2.00	0.00	0.00	0.01	0.00	7.48	2.00	0.00	0.00	0.01	0.00
7.49	2.00	0.00	0.00	0.01	0.00	7.50	2.00	0.00	0.00	0.01	0.00
7.51	2.00	0.00	0.00	0.01	0.00	7.52	2.00	0.00	0.00	0.01	0.00
7.53	2.00	0.00	0.00	0.01	0.00	7.54	2.00	0.00	0.00	0.01	0.00
7.55	2.00	0.00	0.00	0.01	0.00	7.56	2.00	0.00	0.00	0.01	0.00
7.57	2.00	0.00	0.00	0.01	0.00	7.58	2.00	0.00	0.00	0.01	0.00
7.59	2.00	0.00	0.00	0.01	0.00	7.60	2.00	0.00	0.00	0.01	0.00
7.61	2.00	0.00	0.00	0.01	0.00	7.62	2.00	0.00	0.00	0.01	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}
7.63	2.00	0.00	0.00	0.01	0.00	7.64	2.00	0.00	0.00	0.01	0.00
7.65	2.00	0.00	0.00	0.01	0.00	7.66	2.00	0.00	0.00	0.01	0.00
7.67	2.00	0.00	0.00	0.01	0.00	7.68	2.00	0.00	0.00	0.01	0.00
7.69	2.00	0.00	0.00	0.01	0.00	7.70	2.00	0.00	0.00	0.01	0.00
7.71	2.00	0.00	0.00	0.01	0.00	7.72	2.00	0.00	0.00	0.01	0.00
7.73	2.00	0.00	0.00	0.01	0.00	7.74	2.00	0.00	0.00	0.01	0.00
7.75	2.00	0.00	0.00	0.01	0.00	7.76	2.00	0.00	0.00	0.01	0.00
7.77	2.00	0.00	0.00	0.01	0.00	7.78	2.00	0.00	0.00	0.01	0.00
7.79	2.00	0.00	0.00	0.01	0.00	7.80	2.00	0.00	0.00	0.01	0.00
7.81	2.00	0.00	0.00	0.01	0.00	7.82	2.00	0.00	0.00	0.01	0.00
7.83	2.00	0.00	0.00	0.01	0.00	7.84	2.00	0.00	0.00	0.01	0.00
7.85	2.00	0.00	0.00	0.01	0.00	7.86	2.00	0.00	0.00	0.01	0.00
7.87	2.00	0.00	0.00	0.01	0.00	7.88	2.00	0.00	0.00	0.01	0.00
7.89	2.00	0.00	0.00	0.01	0.00	7.90	2.00	0.00	0.00	0.01	0.00
7.91	2.00	0.00	0.00	0.01	0.00	7.92	2.00	0.00	0.00	0.01	0.00
7.93	2.00	0.00	0.00	0.01	0.00	7.94	2.00	0.00	0.00	0.01	0.00
7.95	2.00	0.00	0.00	0.01	0.00	7.96	2.00	0.00	0.00	0.01	0.00
7.97	2.00	0.00	0.00	0.01	0.00	7.98	2.00	0.00	0.00	0.01	0.00
7.99	2.00	0.00	0.00	0.01	0.00	8.00	2.00	0.00	0.00	0.01	0.00
8.01	2.00	0.00	0.00	0.01	0.00	8.02	2.00	0.00	0.00	0.01	0.00
8.03	2.00	0.00	0.00	0.01	0.00	8.04	2.00	0.00	0.00	0.01	0.00
8.05	2.00	0.00	0.00	0.01	0.00	8.06	2.00	0.00	0.00	0.01	0.00
8.07	2.00	0.00	0.00	0.01	0.00	8.08	2.00	0.00	0.00	0.01	0.00
8.09	2.00	0.00	0.00	0.01	0.00	8.10	2.00	0.00	0.00	0.01	0.00
8.11	2.00	0.00	0.00	0.01	0.00	8.12	2.00	0.00	0.00	0.01	0.00
8.13	2.00	0.00	0.00	0.01	0.00	8.14	2.00	0.00	0.00	0.01	0.00
8.15	2.00	0.00	0.00	0.01	0.00	8.16	2.00	0.00	0.00	0.01	0.00
8.17	2.00	0.00	0.00	0.01	0.00	8.18	2.00	0.00	0.00	0.01	0.00
8.19	2.00	0.00	0.00	0.01	0.00	8.20	2.00	0.00	0.00	0.01	0.00
8.21	2.00	0.00	0.00	0.01	0.00	8.22	2.00	0.00	0.00	0.01	0.00
8.23	2.00	0.00	0.00	0.01	0.00	8.24	2.00	0.00	0.00	0.01	0.00
8.25	2.00	0.00	0.00	0.01	0.00	8.26	2.00	0.00	0.00	0.01	0.00
8.27	2.00	0.00	0.00	0.01	0.00	8.28	2.00	0.00	0.00	0.01	0.00
8.29	2.00	0.00	0.00	0.01	0.00	8.30	2.00	0.00	0.00	0.01	0.00
8.31	2.00	0.00	0.00	0.01	0.00	8.32	2.00	0.00	0.00	0.01	0.00
8.33	2.00	0.00	0.00	0.01	0.00	8.34	2.00	0.00	0.00	0.01	0.00
8.35	2.00	0.00	0.00	0.01	0.00	8.36	2.00	0.00	0.00	0.01	0.00
8.37	2.00	0.00	0.00	0.01	0.00	8.38	2.00	0.00	0.00	0.01	0.00
8.39	2.00	0.00	0.00	0.01	0.00	8.40	2.00	0.00	0.00	0.01	0.00
8.41	2.00	0.00	0.00	0.01	0.00	8.42	2.00	0.00	0.00	0.01	0.00
8.43	2.00	0.00	0.00	0.01	0.00	8.44	2.00	0.00	0.00	0.01	0.00
8.45	2.00	0.00	0.00	0.01	0.00	8.46	2.00	0.00	0.00	0.01	0.00
8.47	2.00	0.00	0.00	0.01	0.00	8.48	2.00	0.00	0.00	0.01	0.00
8.49	2.00	0.00	0.00	0.01	0.00	8.50	2.00	0.00	0.00	0.01	0.00
8.51	2.00	0.00	0.00	0.01	0.00	8.52	2.00	0.00	0.00	0.01	0.00
8.53	2.00	0.00	0.00	0.01	0.00	8.54	2.00	0.00	0.00	0.01	0.00
8.55	2.00	0.00	0.00	0.01	0.00	8.56	2.00	0.00	0.00	0.01	0.00
8.57	2.00	0.00	0.00	0.01	0.00	8.58	2.00	0.00	0.00	0.01	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}
8.59	2.00	0.00	0.00	0.01	0.00	8.60	2.00	0.00	0.00	0.01	0.00
8.61	2.00	0.00	0.00	0.01	0.00	8.62	2.00	0.00	0.00	0.01	0.00
8.63	2.00	0.00	0.00	0.01	0.00	8.64	2.00	0.00	0.00	0.01	0.00
8.65	2.00	0.00	0.00	0.01	0.00	8.66	2.00	0.00	0.00	0.01	0.00
8.67	2.00	0.00	0.00	0.01	0.00	8.68	2.00	0.00	0.00	0.01	0.00
8.69	2.00	0.00	0.00	0.01	0.00	8.70	2.00	0.00	0.00	0.01	0.00
8.71	2.00	0.00	0.00	0.01	0.00	8.72	2.00	0.00	0.00	0.01	0.00
8.73	2.00	0.00	0.00	0.01	0.00	8.74	2.00	0.00	0.00	0.01	0.00
8.75	2.00	0.00	0.00	0.01	0.00	8.76	2.00	0.00	0.00	0.01	0.00
8.77	2.00	0.00	0.00	0.01	0.00	8.78	2.00	0.00	0.00	0.01	0.00
8.79	2.00	0.00	0.00	0.01	0.00	8.80	2.00	0.00	0.00	0.01	0.00
8.81	2.00	0.00	0.00	0.01	0.00	8.82	2.00	0.00	0.00	0.01	0.00
8.83	2.00	0.00	0.00	0.01	0.00	8.84	2.00	0.00	0.00	0.01	0.00
8.85	2.00	0.00	0.00	0.01	0.00	8.86	2.00	0.00	0.00	0.01	0.00
8.87	2.00	0.00	0.00	0.01	0.00	8.88	2.00	0.00	0.00	0.01	0.00
8.89	2.00	0.00	0.00	0.01	0.00	8.90	2.00	0.00	0.00	0.01	0.00
8.91	2.00	0.00	0.00	0.01	0.00	8.92	2.00	0.00	0.00	0.01	0.00
8.93	2.00	0.00	0.00	0.01	0.00	8.94	2.00	0.00	0.00	0.01	0.00
8.95	2.00	0.00	0.00	0.01	0.00	8.96	2.00	0.00	0.00	0.01	0.00
8.97	2.00	0.00	0.00	0.01	0.00	8.98	2.00	0.00	0.00	0.01	0.00
8.99	2.00	0.00	0.00	0.01	0.00	9.00	2.00	0.00	0.00	0.01	0.00
9.01	2.00	0.00	0.00	0.01	0.00	9.02	2.00	0.00	0.00	0.01	0.00
9.03	2.00	0.00	0.00	0.01	0.00	9.04	2.00	0.00	0.00	0.01	0.00
9.05	2.00	0.00	0.00	0.01	0.00	9.06	2.00	0.00	0.00	0.01	0.00
9.07	2.00	0.00	0.00	0.01	0.00	9.08	2.00	0.00	0.00	0.01	0.00
9.09	2.00	0.00	0.00	0.01	0.00	9.10	2.00	0.00	0.00	0.01	0.00
9.11	2.00	0.00	0.00	0.01	0.00	9.12	2.00	0.00	0.00	0.01	0.00
9.13	2.00	0.00	0.00	0.01	0.00	9.14	2.00	0.00	0.00	0.01	0.00
9.15	2.00	0.00	0.00	0.01	0.00	9.16	2.00	0.00	0.00	0.01	0.00
9.17	2.00	0.00	0.00	0.01	0.00	9.18	2.00	0.00	0.00	0.01	0.00
9.19	2.00	0.00	0.00	0.01	0.00	9.20	2.00	0.00	0.00	0.01	0.00
9.21	2.00	0.00	0.00	0.01	0.00	9.22	2.00	0.00	0.00	0.01	0.00
9.23	2.00	0.00	0.00	0.01	0.00	9.24	2.00	0.00	0.00	0.01	0.00
9.25	2.00	0.00	0.00	0.01	0.00	9.26	2.00	0.00	0.00	0.01	0.00
9.27	2.00	0.00	0.00	0.01	0.00	9.28	2.00	0.00	0.00	0.01	0.00
9.29	2.00	0.00	0.00	0.01	0.00	9.30	2.00	0.00	0.00	0.01	0.00
9.31	2.00	0.00	0.00	0.01	0.00	9.32	2.00	0.00	0.00	0.01	0.00
9.33	2.00	0.00	0.00	0.01	0.00	9.34	2.00	0.00	0.00	0.01	0.00
9.35	2.00	0.00	0.00	0.01	0.00	9.36	2.00	0.00	0.00	0.01	0.00
9.37	2.00	0.00	0.00	0.01	0.00	9.38	2.00	0.00	0.00	0.01	0.00
9.39	2.00	0.00	0.00	0.01	0.00	9.40	2.00	0.00	0.00	0.01	0.00
9.41	2.00	0.00	0.00	0.01	0.00	9.42	2.00	0.00	0.00	0.01	0.00
9.43	2.00	0.00	0.00	0.01	0.00	9.44	2.00	0.00	0.00	0.01	0.00
9.45	2.00	0.00	0.00	0.01	0.00	9.46	2.00	0.00	0.00	0.01	0.00
9.47	2.00	0.00	0.00	0.01	0.00	9.48	2.00	0.00	0.00	0.01	0.00
9.49	2.00	0.00	0.00	0.01	0.00	9.50	2.00	0.00	0.00	0.01	0.00
9.51	2.00	0.00	0.00	0.01	0.00	9.52	2.00	0.00	0.00	0.01	0.00
9.53	2.00	0.00	0.00	0.01	0.00	9.54	2.00	0.00	0.00	0.01	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}
9.55	2.00	0.00	0.00	0.01	0.00	9.56	2.00	0.00	0.00	0.01	0.00
9.57	2.00	0.00	0.00	0.01	0.00	9.58	2.00	0.00	0.00	0.01	0.00
9.59	2.00	0.00	0.00	0.01	0.00	9.60	2.00	0.00	0.00	0.01	0.00
9.61	2.00	0.00	0.00	0.01	0.00	9.62	2.00	0.00	0.00	0.01	0.00
9.63	2.00	0.00	0.00	0.01	0.00	9.64	2.00	0.00	0.00	0.01	0.00
9.65	2.00	0.00	0.00	0.01	0.00	9.66	2.00	0.00	0.00	0.01	0.00
9.67	2.00	0.00	0.00	0.01	0.00	9.68	2.00	0.00	0.00	0.01	0.00
9.69	2.00	0.00	0.00	0.01	0.00	9.70	2.00	0.00	0.00	0.01	0.00
9.71	2.00	0.00	0.00	0.01	0.00	9.72	2.00	0.00	0.00	0.01	0.00
9.73	2.00	0.00	0.00	0.01	0.00	9.74	2.00	0.00	0.00	0.01	0.00
9.75	2.00	0.00	0.00	0.01	0.00	9.76	2.00	0.00	0.00	0.01	0.00
9.77	2.00	0.00	0.00	0.01	0.00	9.78	2.00	0.00	0.00	0.01	0.00
9.79	2.00	0.00	0.00	0.01	0.00	9.80	2.00	0.00	0.00	0.01	0.00
9.81	2.00	0.00	0.00	0.01	0.00	9.82	2.00	0.00	0.00	0.01	0.00
9.83	2.00	0.00	0.00	0.01	0.00	9.84	2.00	0.00	0.00	0.01	0.00
9.85	2.00	0.00	0.00	0.01	0.00	9.86	2.00	0.00	0.00	0.01	0.00
9.87	2.00	0.00	0.00	0.01	0.00	9.88	2.00	0.00	0.00	0.01	0.00
9.89	2.00	0.00	0.00	0.01	0.00	9.90	2.00	0.00	0.00	0.01	0.00
9.91	2.00	0.00	0.00	0.01	0.00	9.92	2.00	0.00	0.00	0.01	0.00
9.93	2.00	0.00	0.00	0.01	0.00	9.94	2.00	0.00	0.00	0.01	0.00
9.95	2.00	0.00	0.00	0.01	0.00	9.96	2.00	0.00	0.00	0.01	0.00
9.97	2.00	0.00	0.00	0.01	0.00	9.98	2.00	0.00	0.00	0.01	0.00
9.99	2.00	0.00	0.00	0.01	0.00	10.00	2.00	0.00	0.00	0.01	0.00
10.01	2.00	0.00	0.00	0.01	0.00	10.02	2.00	0.00	0.00	0.01	0.00
10.03	2.00	0.00	0.00	0.01	0.00	10.04	2.00	0.00	0.00	0.01	0.00
10.05	2.00	0.00	0.00	0.01	0.00	10.06	2.00	0.00	0.00	0.01	0.00
10.07	2.00	0.00	0.00	0.01	0.00	10.08	2.00	0.00	0.00	0.01	0.00
10.09	2.00	0.00	0.00	0.01	0.00	10.10	2.00	0.00	0.00	0.01	0.00
10.11	2.00	0.00	0.00	0.01	0.00	10.12	2.00	0.00	0.00	0.01	0.00
10.13	2.00	0.00	0.00	0.01	0.00	10.14	2.00	0.00	0.00	0.01	0.00
10.15	2.00	0.00	0.00	0.01	0.00	10.16	2.00	0.00	0.00	0.01	0.00
10.17	2.00	0.00	0.00	0.01	0.00	10.18	2.00	0.00	0.00	0.01	0.00
10.19	2.00	0.00	0.00	0.01	0.00	10.20	2.00	0.00	0.00	0.01	0.00
10.21	2.00	0.00	0.00	0.01	0.00	10.22	2.00	0.00	0.00	0.01	0.00
10.23	2.00	0.00	0.00	0.01	0.00	10.24	2.00	0.00	0.00	0.01	0.00
10.25	2.00	0.00	0.00	0.01	0.00	10.26	2.00	0.00	0.00	0.01	0.00
10.27	2.00	0.00	0.00	0.01	0.00	10.28	2.00	0.00	0.00	0.01	0.00
10.29	2.00	0.00	0.00	0.01	0.00	10.30	2.00	0.00	0.00	0.01	0.00
10.31	2.00	0.00	0.00	0.01	0.00	10.32	2.00	0.00	0.00	0.01	0.00
10.33	2.00	0.00	0.00	0.01	0.00	10.34	2.00	0.00	0.00	0.01	0.00
10.35	2.00	0.00	0.00	0.01	0.00	10.36	2.00	0.00	0.00	0.01	0.00
10.37	2.00	0.00	0.00	0.01	0.00	10.38	2.00	0.00	0.00	0.01	0.00
10.39	2.00	0.00	0.00	0.01	0.00	10.40	2.00	0.00	0.00	0.01	0.00
10.41	2.00	0.00	0.00	0.01	0.00	10.42	2.00	0.00	0.00	0.01	0.00
10.43	2.00	0.00	0.00	0.01	0.00	10.44	2.00	0.00	0.00	0.01	0.00
10.45	2.00	0.00	0.00	0.01	0.00	10.46	2.00	0.00	0.00	0.01	0.00
10.47	2.00	0.00	0.00	0.01	0.00	10.48	2.00	0.00	0.00	0.01	0.00
10.49	2.00	0.00	0.00	0.01	0.00	10.50	2.00	0.00	0.00	0.01	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}
10.51	2.00	0.00	0.00	0.01	0.00	10.52	2.00	0.00	0.00	0.01	0.00
10.53	2.00	0.00	0.00	0.01	0.00	10.54	2.00	0.00	0.00	0.01	0.00
10.55	2.00	0.00	0.00	0.01	0.00	10.56	2.00	0.00	0.00	0.01	0.00
10.57	2.00	0.00	0.00	0.01	0.00	10.58	2.00	0.00	0.00	0.01	0.00
10.59	2.00	0.00	0.00	0.01	0.00	10.60	2.00	0.00	0.00	0.01	0.00
10.61	2.00	0.00	0.00	0.01	0.00	10.62	2.00	0.00	0.00	0.01	0.00
10.63	2.00	0.00	0.00	0.01	0.00	10.64	2.00	0.00	0.00	0.01	0.00
10.65	2.00	0.00	0.00	0.01	0.00	10.66	2.00	0.00	0.00	0.01	0.00
10.67	2.00	0.00	0.00	0.01	0.00	10.68	2.00	0.00	0.00	0.01	0.00
10.69	2.00	0.00	0.00	0.01	0.00	10.70	2.00	0.00	0.00	0.01	0.00
10.71	2.00	0.00	0.00	0.01	0.00	10.72	2.00	0.00	0.00	0.01	0.00
10.73	2.00	0.00	0.00	0.01	0.00	10.74	2.00	0.00	0.00	0.01	0.00
10.75	2.00	0.00	0.00	0.01	0.00	10.76	2.00	0.00	0.00	0.01	0.00
10.77	2.00	0.00	0.00	0.01	0.00	10.78	2.00	0.00	0.00	0.01	0.00
10.79	2.00	0.00	0.00	0.01	0.00	10.80	2.00	0.00	0.00	0.01	0.00
10.81	2.00	0.00	0.00	0.01	0.00	10.82	2.00	0.00	0.00	0.01	0.00
10.83	2.00	0.00	0.00	0.01	0.00	10.84	2.00	0.00	0.00	0.01	0.00
10.85	2.00	0.00	0.00	0.01	0.00	10.86	2.00	0.00	0.00	0.01	0.00
10.87	2.00	0.00	0.00	0.01	0.00	10.88	2.00	0.00	0.00	0.01	0.00
10.89	2.00	0.00	0.00	0.01	0.00	10.90	2.00	0.00	0.00	0.01	0.00
10.91	2.00	0.00	0.00	0.01	0.00	10.92	2.00	0.00	0.00	0.01	0.00
10.93	2.00	0.00	0.00	0.01	0.00	10.94	2.00	0.00	0.00	0.01	0.00
10.95	2.00	0.00	0.00	0.01	0.00	10.96	2.00	0.00	0.00	0.01	0.00
10.97	2.00	0.00	0.00	0.01	0.00	10.98	2.00	0.00	0.00	0.01	0.00
10.99	2.00	0.00	0.00	0.01	0.00	11.00	2.00	0.00	0.00	0.01	0.00
11.01	2.00	0.00	0.00	0.01	0.00	11.02	2.00	0.00	0.00	0.01	0.00
11.03	2.00	0.00	0.00	0.01	0.00	11.04	2.00	0.00	0.00	0.01	0.00
11.05	2.00	0.00	0.00	0.01	0.00	11.06	2.00	0.00	0.00	0.01	0.00
11.07	2.00	0.00	0.00	0.01	0.00	11.08	2.00	0.00	0.00	0.01	0.00
11.09	2.00	0.00	0.00	0.01	0.00	11.10	2.00	0.00	0.00	0.01	0.00
11.11	2.00	0.00	0.00	0.01	0.00	11.12	2.00	0.00	0.00	0.01	0.00
11.13	2.00	0.00	0.00	0.01	0.00	11.14	2.00	0.00	0.00	0.01	0.00
11.15	2.00	0.00	0.00	0.01	0.00	11.16	2.00	0.00	0.00	0.01	0.00
11.17	2.00	0.00	0.00	0.01	0.00	11.18	2.00	0.00	0.00	0.01	0.00
11.19	2.00	0.00	0.00	0.01	0.00	11.20	2.00	0.00	0.00	0.01	0.00
11.21	2.00	0.00	0.00	0.01	0.00	11.22	2.00	0.00	0.00	0.01	0.00
11.23	2.00	0.00	0.00	0.01	0.00	11.24	2.00	0.00	0.00	0.01	0.00
11.25	2.00	0.00	0.00	0.01	0.00	11.26	2.00	0.00	0.00	0.01	0.00
11.27	2.00	0.00	0.00	0.01	0.00	11.28	2.00	0.00	0.00	0.01	0.00
11.29	2.00	0.00	0.00	0.01	0.00	11.30	2.00	0.00	0.00	0.01	0.00
11.31	2.00	0.00	0.00	0.01	0.00	11.32	2.00	0.00	0.00	0.01	0.00
11.33	2.00	0.00	0.00	0.01	0.00	11.34	2.00	0.00	0.00	0.01	0.00
11.35	2.00	0.00	0.00	0.01	0.00	11.36	2.00	0.00	0.00	0.01	0.00
11.37	2.00	0.00	0.00	0.01	0.00	11.38	2.00	0.00	0.00	0.01	0.00
11.39	2.00	0.00	0.00	0.01	0.00	11.40	2.00	0.00	0.00	0.01	0.00
11.41	2.00	0.00	0.00	0.01	0.00	11.42	2.00	0.00	0.00	0.01	0.00
11.43	2.00	0.00	0.00	0.01	0.00	11.44	2.00	0.00	0.00	0.01	0.00
11.45	2.00	0.00	0.00	0.01	0.00	11.46	2.00	0.00	0.00	0.01	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}
11.47	2.00	0.00	0.00	0.01	0.00	11.48	2.00	0.00	0.00	0.01	0.00
11.49	2.00	0.00	0.00	0.01	0.00	11.50	2.00	0.00	0.00	0.01	0.00
11.51	2.00	0.00	0.00	0.01	0.00	11.52	2.00	0.00	0.00	0.01	0.00
11.53	2.00	0.00	0.00	0.01	0.00	11.54	2.00	0.00	0.00	0.01	0.00
11.55	2.00	0.00	0.00	0.01	0.00	11.56	2.00	0.00	0.00	0.01	0.00
11.57	2.00	0.00	0.00	0.01	0.00	11.58	2.00	0.00	0.00	0.01	0.00
11.59	2.00	0.00	0.00	0.01	0.00	11.60	2.00	0.00	0.00	0.01	0.00
11.61	2.00	0.00	0.00	0.01	0.00	11.62	2.00	0.00	0.00	0.01	0.00
11.63	2.00	0.00	0.00	0.01	0.00	11.64	2.00	0.00	0.00	0.01	0.00
11.65	2.00	0.00	0.00	0.01	0.00	11.66	2.00	0.00	0.00	0.01	0.00
11.67	2.00	0.00	0.00	0.01	0.00	11.68	2.00	0.00	0.00	0.01	0.00
11.69	2.00	0.00	0.00	0.01	0.00	11.70	2.00	0.00	0.00	0.01	0.00
11.71	2.00	0.00	0.00	0.01	0.00	11.72	2.00	0.00	0.00	0.01	0.00
11.73	2.00	0.00	0.00	0.01	0.00	11.74	2.00	0.00	0.00	0.01	0.00
11.75	2.00	0.00	0.00	0.01	0.00	11.76	2.00	0.00	0.00	0.01	0.00
11.77	2.00	0.00	0.00	0.01	0.00	11.78	2.00	0.00	0.00	0.01	0.00
11.79	2.00	0.00	0.00	0.01	0.00	11.80	2.00	0.00	0.00	0.01	0.00
11.81	2.00	0.00	0.00	0.01	0.00	11.82	2.00	0.00	0.00	0.01	0.00
11.83	2.00	0.00	0.00	0.01	0.00	11.84	2.00	0.00	0.00	0.01	0.00
11.85	2.00	0.00	0.00	0.01	0.00	11.86	2.00	0.00	0.00	0.01	0.00
11.87	2.00	0.00	0.00	0.01	0.00	11.88	2.00	0.00	0.00	0.01	0.00
11.89	2.00	0.00	0.00	0.01	0.00	11.90	2.00	0.00	0.00	0.01	0.00
11.91	2.00	0.00	0.00	0.01	0.00	11.92	2.00	0.00	0.00	0.01	0.00
11.93	2.00	0.00	0.00	0.01	0.00	11.94	2.00	0.00	0.00	0.01	0.00
11.95	2.00	0.00	0.00	0.01	0.00	11.96	2.00	0.00	0.00	0.01	0.00
11.97	2.00	0.00	0.00	0.01	0.00	11.98	2.00	0.00	0.00	0.01	0.00
11.99	2.00	0.00	0.00	0.01	0.00	12.00	2.00	0.00	0.00	0.01	0.00
12.01	2.00	0.00	0.00	0.01	0.00	12.02	2.00	0.00	0.00	0.01	0.00
12.03	2.00	0.00	0.00	0.01	0.00	12.04	2.00	0.00	0.00	0.01	0.00
12.05	2.00	0.00	0.00	0.01	0.00	12.06	2.00	0.00	0.00	0.01	0.00
12.07	2.00	0.00	0.00	0.01	0.00	12.08	2.00	0.00	0.00	0.01	0.00
12.09	2.00	0.00	0.00	0.01	0.00	12.10	2.00	0.00	0.00	0.01	0.00
12.11	2.00	0.00	0.00	0.01	0.00	12.12	2.00	0.00	0.00	0.01	0.00
12.13	2.00	0.00	0.00	0.01	0.00	12.14	2.00	0.00	0.00	0.01	0.00
12.15	2.00	0.00	0.00	0.01	0.00	12.16	2.00	0.00	0.00	0.01	0.00
12.17	2.00	0.00	0.00	0.01	0.00	12.18	2.00	0.00	0.00	0.01	0.00
12.19	2.00	0.00	0.00	0.01	0.00	12.20	2.00	0.00	0.00	0.01	0.00
12.21	2.00	0.00	0.00	0.01	0.00	12.22	2.00	0.00	0.00	0.01	0.00
12.23	2.00	0.00	0.00	0.01	0.00	12.24	2.00	0.00	0.00	0.01	0.00
12.25	2.00	0.00	0.00	0.01	0.00	12.26	2.00	0.00	0.00	0.01	0.00
12.27	2.00	0.00	0.00	0.01	0.00	12.28	2.00	0.00	0.00	0.01	0.00
12.29	2.00	0.00	0.00	0.01	0.00	12.30	2.00	0.00	0.00	0.01	0.00
12.31	2.00	0.00	0.00	0.01	0.00	12.32	2.00	0.00	0.00	0.01	0.00
12.33	2.00	0.00	0.00	0.01	0.00	12.34	2.00	0.00	0.00	0.01	0.00
12.35	2.00	0.00	0.00	0.01	0.00	12.36	2.00	0.00	0.00	0.01	0.00
12.37	2.00	0.00	0.00	0.01	0.00	12.38	2.00	0.00	0.00	0.01	0.00
12.39	2.00	0.00	0.00	0.01	0.00	12.40	2.00	0.00	0.00	0.01	0.00
12.41	2.00	0.00	0.00	0.01	0.00	12.42	2.00	0.00	0.00	0.01	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}
12.43	2.00	0.00	0.00	0.01	0.00	12.44	2.00	0.00	0.00	0.01	0.00
12.45	2.00	0.00	0.00	0.01	0.00	12.46	2.00	0.00	0.00	0.01	0.00
12.47	2.00	0.00	0.00	0.01	0.00	12.48	2.00	0.00	0.00	0.01	0.00
12.49	2.00	0.00	0.00	0.01	0.00	12.50	2.00	0.00	0.00	0.01	0.00
12.51	2.00	0.00	0.00	0.01	0.00	12.52	2.00	0.00	0.00	0.01	0.00
12.53	2.00	0.00	0.00	0.01	0.00	12.54	2.00	0.00	0.00	0.01	0.00
12.55	0.39	0.61	0.38	0.01	0.02	12.56	0.39	0.61	0.38	0.01	0.02
12.57	0.40	0.60	0.39	0.01	0.02	12.58	0.40	0.60	0.39	0.01	0.02
12.59	0.41	0.59	0.39	0.01	0.02	12.60	0.38	0.62	0.37	0.01	0.02
12.61	2.00	0.00	0.00	0.01	0.00	12.62	2.00	0.00	0.00	0.01	0.00
12.63	2.00	0.00	0.00	0.01	0.00	12.64	2.00	0.00	0.00	0.01	0.00
12.65	2.00	0.00	0.00	0.01	0.00	12.66	2.00	0.00	0.00	0.01	0.00
12.67	2.00	0.00	0.00	0.01	0.00	12.68	2.00	0.00	0.00	0.01	0.00
12.69	2.00	0.00	0.00	0.01	0.00	12.70	2.00	0.00	0.00	0.01	0.00
12.71	2.00	0.00	0.00	0.01	0.00	12.72	2.00	0.00	0.00	0.01	0.00
12.73	2.00	0.00	0.00	0.01	0.00	12.74	2.00	0.00	0.00	0.01	0.00
12.75	2.00	0.00	0.00	0.01	0.00	12.76	2.00	0.00	0.00	0.01	0.00
12.77	2.00	0.00	0.00	0.01	0.00	12.78	2.00	0.00	0.00	0.01	0.00
12.79	2.00	0.00	0.00	0.01	0.00	12.80	2.00	0.00	0.00	0.01	0.00
12.81	2.00	0.00	0.00	0.01	0.00	12.82	2.00	0.00	0.00	0.01	0.00
12.83	2.00	0.00	0.00	0.01	0.00	12.84	2.00	0.00	0.00	0.01	0.00
12.85	2.00	0.00	0.00	0.01	0.00	12.86	2.00	0.00	0.00	0.01	0.00
12.87	2.00	0.00	0.00	0.01	0.00	12.88	2.00	0.00	0.00	0.01	0.00
12.89	2.00	0.00	0.00	0.01	0.00	12.90	2.00	0.00	0.00	0.01	0.00
12.91	2.00	0.00	0.00	0.01	0.00	12.92	2.00	0.00	0.00	0.01	0.00
12.93	2.00	0.00	0.00	0.01	0.00	12.94	2.00	0.00	0.00	0.01	0.00
12.95	2.00	0.00	0.00	0.01	0.00	12.96	2.00	0.00	0.00	0.01	0.00
12.97	2.00	0.00	0.00	0.01	0.00	12.98	2.00	0.00	0.00	0.01	0.00
12.99	2.00	0.00	0.00	0.01	0.00	13.00	2.00	0.00	0.00	0.01	0.00
13.01	2.00	0.00	0.00	0.01	0.00	13.02	2.00	0.00	0.00	0.01	0.00
13.03	2.00	0.00	0.00	0.01	0.00	13.04	2.00	0.00	0.00	0.01	0.00
13.05	2.00	0.00	0.00	0.01	0.00	13.06	2.00	0.00	0.00	0.01	0.00
13.07	2.00	0.00	0.00	0.01	0.00	13.08	2.00	0.00	0.00	0.01	0.00
13.09	2.00	0.00	0.00	0.01	0.00	13.10	2.00	0.00	0.00	0.01	0.00
13.11	2.00	0.00	0.00	0.01	0.00	13.12	2.00	0.00	0.00	0.01	0.00
13.13	2.00	0.00	0.00	0.01	0.00	13.14	2.00	0.00	0.00	0.01	0.00
13.15	2.00	0.00	0.00	0.01	0.00	13.16	2.00	0.00	0.00	0.01	0.00
13.17	2.00	0.00	0.00	0.01	0.00	13.18	2.00	0.00	0.00	0.01	0.00
13.19	2.00	0.00	0.00	0.01	0.00	13.20	2.00	0.00	0.00	0.01	0.00
13.21	2.00	0.00	0.00	0.01	0.00	13.22	2.00	0.00	0.00	0.01	0.00
13.23	2.00	0.00	0.00	0.01	0.00	13.24	2.00	0.00	0.00	0.01	0.00
13.25	2.00	0.00	0.00	0.01	0.00	13.26	2.00	0.00	0.00	0.01	0.00
13.27	2.00	0.00	0.00	0.01	0.00	13.28	2.00	0.00	0.00	0.01	0.00
13.29	2.00	0.00	0.00	0.01	0.00	13.30	2.00	0.00	0.00	0.01	0.00
13.31	2.00	0.00	0.00	0.01	0.00	13.32	2.00	0.00	0.00	0.01	0.00
13.33	2.00	0.00	0.00	0.01	0.00	13.34	2.00	0.00	0.00	0.01	0.00
13.35	2.00	0.00	0.00	0.01	0.00	13.36	2.00	0.00	0.00	0.01	0.00
13.37	2.00	0.00	0.00	0.01	0.00	13.38	2.00	0.00	0.00	0.01	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}
13.39	2.00	0.00	0.00	0.01	0.00	13.40	2.00	0.00	0.00	0.01	0.00
13.41	2.00	0.00	0.00	0.01	0.00	13.42	2.00	0.00	0.00	0.01	0.00
13.43	2.00	0.00	0.00	0.01	0.00	13.44	2.00	0.00	0.00	0.01	0.00
13.45	2.00	0.00	0.00	0.01	0.00	13.46	2.00	0.00	0.00	0.01	0.00
13.47	2.00	0.00	0.00	0.01	0.00	13.48	2.00	0.00	0.00	0.01	0.00
13.49	2.00	0.00	0.00	0.01	0.00	13.50	2.00	0.00	0.00	0.01	0.00
13.51	2.00	0.00	0.00	0.01	0.00	13.52	2.00	0.00	0.00	0.01	0.00
13.53	2.00	0.00	0.00	0.01	0.00	13.54	2.00	0.00	0.00	0.01	0.00
13.55	2.00	0.00	0.00	0.01	0.00	13.56	2.00	0.00	0.00	0.01	0.00
13.57	2.00	0.00	0.00	0.01	0.00	13.58	2.00	0.00	0.00	0.01	0.00
13.59	2.00	0.00	0.00	0.01	0.00	13.60	2.00	0.00	0.00	0.01	0.00
13.61	2.00	0.00	0.00	0.01	0.00	13.62	2.00	0.00	0.00	0.01	0.00
13.63	2.00	0.00	0.00	0.01	0.00	13.64	2.00	0.00	0.00	0.01	0.00
13.65	2.00	0.00	0.00	0.01	0.00	13.66	2.00	0.00	0.00	0.01	0.00
13.67	2.00	0.00	0.00	0.01	0.00	13.68	2.00	0.00	0.00	0.01	0.00
13.69	2.00	0.00	0.00	0.01	0.00	13.70	2.00	0.00	0.00	0.01	0.00
13.71	2.00	0.00	0.00	0.01	0.00	13.72	2.00	0.00	0.00	0.01	0.00
13.73	2.00	0.00	0.00	0.01	0.00	13.74	2.00	0.00	0.00	0.01	0.00
13.75	2.00	0.00	0.00	0.01	0.00	13.76	2.00	0.00	0.00	0.01	0.00
13.77	2.00	0.00	0.00	0.01	0.00	13.78	2.00	0.00	0.00	0.01	0.00
13.79	2.00	0.00	0.00	0.01	0.00	13.80	2.00	0.00	0.00	0.01	0.00
13.81	2.00	0.00	0.00	0.01	0.00	13.82	2.00	0.00	0.00	0.01	0.00
13.83	2.00	0.00	0.00	0.01	0.00	13.84	2.00	0.00	0.00	0.01	0.00
13.85	2.00	0.00	0.00	0.01	0.00	13.86	2.00	0.00	0.00	0.01	0.00
13.87	2.00	0.00	0.00	0.01	0.00	13.88	2.00	0.00	0.00	0.01	0.00
13.89	2.00	0.00	0.00	0.01	0.00	13.90	2.00	0.00	0.00	0.01	0.00
13.91	2.00	0.00	0.00	0.01	0.00	13.92	2.00	0.00	0.00	0.01	0.00
13.93	2.00	0.00	0.00	0.01	0.00	13.94	2.00	0.00	0.00	0.01	0.00
13.95	2.00	0.00	0.00	0.01	0.00	13.96	2.00	0.00	0.00	0.01	0.00
13.97	2.00	0.00	0.00	0.01	0.00	13.98	2.00	0.00	0.00	0.01	0.00
13.99	2.00	0.00	0.00	0.01	0.00	14.00	2.00	0.00	0.00	0.01	0.00
14.01	2.00	0.00	0.00	0.01	0.00	14.02	2.00	0.00	0.00	0.01	0.00
14.03	2.00	0.00	0.00	0.01	0.00	14.04	2.00	0.00	0.00	0.01	0.00
14.05	2.00	0.00	0.00	0.01	0.00	14.06	2.00	0.00	0.00	0.01	0.00
14.07	2.00	0.00	0.00	0.01	0.00	14.08	2.00	0.00	0.00	0.01	0.00
14.09	2.00	0.00	0.00	0.01	0.00	14.10	2.00	0.00	0.00	0.01	0.00
14.11	2.00	0.00	0.00	0.01	0.00	14.12	2.00	0.00	0.00	0.01	0.00
14.13	2.00	0.00	0.00	0.01	0.00	14.14	2.00	0.00	0.00	0.01	0.00
14.15	2.00	0.00	0.00	0.01	0.00	14.16	2.00	0.00	0.00	0.01	0.00
14.17	2.00	0.00	0.00	0.01	0.00	14.18	2.00	0.00	0.00	0.01	0.00
14.19	2.00	0.00	0.00	0.01	0.00	14.20	2.00	0.00	0.00	0.01	0.00
14.21	2.00	0.00	0.00	0.01	0.00	14.22	2.00	0.00	0.00	0.01	0.00
14.23	2.00	0.00	0.00	0.01	0.00	14.24	2.00	0.00	0.00	0.01	0.00
14.25	2.00	0.00	0.00	0.01	0.00	14.26	2.00	0.00	0.00	0.01	0.00
14.27	2.00	0.00	0.00	0.01	0.00	14.28	2.00	0.00	0.00	0.01	0.00
14.29	2.00	0.00	0.00	0.01	0.00	14.30	2.00	0.00	0.00	0.01	0.00
14.31	2.00	0.00	0.00	0.01	0.00	14.32	2.00	0.00	0.00	0.01	0.00
14.33	2.00	0.00	0.00	0.01	0.00	14.34	2.00	0.00	0.00	0.01	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}
14.35	2.00	0.00	0.00	0.01	0.00	14.36	2.00	0.00	0.00	0.01	0.00
14.37	2.00	0.00	0.00	0.01	0.00	14.38	2.00	0.00	0.00	0.01	0.00
14.39	2.00	0.00	0.00	0.01	0.00	14.40	2.00	0.00	0.00	0.01	0.00
14.41	2.00	0.00	0.00	0.01	0.00	14.42	2.00	0.00	0.00	0.01	0.00
14.43	2.00	0.00	0.00	0.01	0.00	14.44	2.00	0.00	0.00	0.01	0.00
14.45	2.00	0.00	0.00	0.01	0.00	14.46	2.00	0.00	0.00	0.01	0.00
14.47	2.00	0.00	0.00	0.01	0.00	14.48	2.00	0.00	0.00	0.01	0.00
14.49	2.00	0.00	0.00	0.01	0.00	14.50	2.00	0.00	0.00	0.01	0.00
14.51	2.00	0.00	0.00	0.01	0.00	14.52	2.00	0.00	0.00	0.01	0.00
14.53	2.00	0.00	0.00	0.01	0.00	14.54	2.00	0.00	0.00	0.01	0.00
14.55	2.00	0.00	0.00	0.01	0.00	14.56	2.00	0.00	0.00	0.01	0.00
14.57	2.00	0.00	0.00	0.01	0.00	14.58	2.00	0.00	0.00	0.01	0.00
14.59	2.00	0.00	0.00	0.01	0.00	14.60	2.00	0.00	0.00	0.01	0.00
14.61	2.00	0.00	0.00	0.01	0.00	14.62	2.00	0.00	0.00	0.01	0.00
14.63	2.00	0.00	0.00	0.01	0.00	14.64	2.00	0.00	0.00	0.01	0.00
14.65	2.00	0.00	0.00	0.01	0.00	14.66	2.00	0.00	0.00	0.01	0.00
14.67	2.00	0.00	0.00	0.01	0.00	14.68	2.00	0.00	0.00	0.01	0.00
14.69	2.00	0.00	0.00	0.01	0.00	14.70	2.00	0.00	0.00	0.01	0.00
14.71	2.00	0.00	0.00	0.01	0.00	14.72	2.00	0.00	0.00	0.01	0.00
14.73	2.00	0.00	0.00	0.01	0.00	14.74	2.00	0.00	0.00	0.01	0.00
14.75	2.00	0.00	0.00	0.01	0.00	14.76	2.00	0.00	0.00	0.01	0.00
14.77	2.00	0.00	0.00	0.01	0.00	14.78	2.00	0.00	0.00	0.01	0.00
14.79	2.00	0.00	0.00	0.01	0.00	14.80	2.00	0.00	0.00	0.01	0.00
14.81	2.00	0.00	0.00	0.01	0.00	14.82	2.00	0.00	0.00	0.01	0.00
14.83	2.00	0.00	0.00	0.01	0.00	14.84	2.00	0.00	0.00	0.01	0.00
14.85	2.00	0.00	0.00	0.01	0.00	14.86	2.00	0.00	0.00	0.01	0.00
14.87	2.00	0.00	0.00	0.01	0.00	14.88	2.00	0.00	0.00	0.01	0.00
14.89	2.00	0.00	0.00	0.01	0.00	14.90	2.00	0.00	0.00	0.01	0.00
14.91	2.00	0.00	0.00	0.01	0.00	14.92	2.00	0.00	0.00	0.01	0.00
14.93	2.00	0.00	0.00	0.01	0.00	14.94	2.00	0.00	0.00	0.01	0.00
14.95	2.00	0.00	0.00	0.01	0.00	14.96	2.00	0.00	0.00	0.01	0.00
14.97	2.00	0.00	0.00	0.01	0.00	14.98	2.00	0.00	0.00	0.01	0.00
14.99	2.00	0.00	0.00	0.01	0.00	15.00	2.00	0.00	0.00	0.01	0.00
15.01	2.00	0.00	0.00	0.01	0.00	15.02	2.00	0.00	0.00	0.01	0.00
15.03	2.00	0.00	0.00	0.01	0.00	15.04	2.00	0.00	0.00	0.01	0.00
15.05	2.00	0.00	0.00	0.01	0.00	15.06	2.00	0.00	0.00	0.01	0.00
15.07	2.00	0.00	0.00	0.01	0.00	15.08	2.00	0.00	0.00	0.01	0.00
15.09	2.00	0.00	0.00	0.01	0.00	15.10	2.00	0.00	0.00	0.01	0.00
15.11	2.00	0.00	0.00	0.01	0.00	15.12	2.00	0.00	0.00	0.01	0.00
15.13	2.00	0.00	0.00	0.01	0.00	15.14	2.00	0.00	0.00	0.01	0.00
15.15	2.00	0.00	0.00	0.01	0.00	15.16	2.00	0.00	0.00	0.01	0.00
15.17	2.00	0.00	0.00	0.01	0.00	15.18	2.00	0.00	0.00	0.01	0.00
15.19	2.00	0.00	0.00	0.01	0.00	15.20	2.00	0.00	0.00	0.01	0.00
15.21	2.00	0.00	0.00	0.01	0.00	15.22	2.00	0.00	0.00	0.01	0.00
15.23	2.00	0.00	0.00	0.01	0.00	15.24	2.00	0.00	0.00	0.01	0.00
15.25	2.00	0.00	0.00	0.01	0.00	15.26	2.00	0.00	0.00	0.01	0.00
15.27	2.00	0.00	0.00	0.01	0.00	15.28	2.00	0.00	0.00	0.01	0.00
15.29	2.00	0.00	0.00	0.01	0.00	15.30	2.00	0.00	0.00	0.01	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}
15.31	2.00	0.00	0.00	0.01	0.00	15.32	2.00	0.00	0.00	0.01	0.00
15.33	2.00	0.00	0.00	0.01	0.00	15.34	2.00	0.00	0.00	0.01	0.00
15.35	2.00	0.00	0.00	0.01	0.00	15.36	2.00	0.00	0.00	0.01	0.00
15.37	2.00	0.00	0.00	0.01	0.00	15.38	2.00	0.00	0.00	0.01	0.00
15.39	2.00	0.00	0.00	0.01	0.00	15.40	2.00	0.00	0.00	0.01	0.00
15.41	2.00	0.00	0.00	0.01	0.00	15.42	2.00	0.00	0.00	0.01	0.00
15.43	2.00	0.00	0.00	0.01	0.00	15.44	2.00	0.00	0.00	0.01	0.00
15.45	2.00	0.00	0.00	0.01	0.00	15.46	2.00	0.00	0.00	0.01	0.00
15.47	2.00	0.00	0.00	0.01	0.00	15.48	2.00	0.00	0.00	0.01	0.00
15.49	2.00	0.00	0.00	0.01	0.00	15.50	2.00	0.00	0.00	0.01	0.00
15.51	2.00	0.00	0.00	0.01	0.00	15.52	2.00	0.00	0.00	0.01	0.00
15.53	2.00	0.00	0.00	0.01	0.00	15.54	2.00	0.00	0.00	0.01	0.00
15.55	2.00	0.00	0.00	0.01	0.00	15.56	2.00	0.00	0.00	0.01	0.00
15.57	2.00	0.00	0.00	0.01	0.00	15.58	2.00	0.00	0.00	0.01	0.00
15.59	2.00	0.00	0.00	0.01	0.00	15.60	2.00	0.00	0.00	0.01	0.00
15.61	2.00	0.00	0.00	0.01	0.00	15.62	2.00	0.00	0.00	0.01	0.00
15.63	2.00	0.00	0.00	0.01	0.00	15.64	2.00	0.00	0.00	0.01	0.00
15.65	2.00	0.00	0.00	0.01	0.00	15.66	2.00	0.00	0.00	0.01	0.00
15.67	2.00	0.00	0.00	0.01	0.00	15.68	2.00	0.00	0.00	0.01	0.00
15.69	2.00	0.00	0.00	0.01	0.00	15.70	2.00	0.00	0.00	0.01	0.00
15.71	2.00	0.00	0.00	0.01	0.00	15.72	2.00	0.00	0.00	0.01	0.00
15.73	2.00	0.00	0.00	0.01	0.00	15.74	2.00	0.00	0.00	0.01	0.00
15.75	2.00	0.00	0.00	0.01	0.00	15.76	2.00	0.00	0.00	0.01	0.00
15.77	2.00	0.00	0.00	0.01	0.00	15.78	2.00	0.00	0.00	0.01	0.00
15.79	2.00	0.00	0.00	0.01	0.00	15.80	2.00	0.00	0.00	0.01	0.00
15.81	2.00	0.00	0.00	0.01	0.00	15.82	2.00	0.00	0.00	0.01	0.00
15.83	2.00	0.00	0.00	0.01	0.00	15.84	2.00	0.00	0.00	0.01	0.00
15.85	2.00	0.00	0.00	0.01	0.00	15.86	2.00	0.00	0.00	0.01	0.00
15.87	2.00	0.00	0.00	0.01	0.00	15.88	2.00	0.00	0.00	0.01	0.00
15.89	2.00	0.00	0.00	0.01	0.00	15.90	2.00	0.00	0.00	0.01	0.00
15.91	2.00	0.00	0.00	0.01	0.00	15.92	2.00	0.00	0.00	0.01	0.00
15.93	2.00	0.00	0.00	0.01	0.00	15.94	2.00	0.00	0.00	0.01	0.00
15.95	2.00	0.00	0.00	0.01	0.00	15.96	2.00	0.00	0.00	0.01	0.00
15.97	2.00	0.00	0.00	0.01	0.00	15.98	2.00	0.00	0.00	0.01	0.00
15.99	2.00	0.00	0.00	0.01	0.00	16.00	2.00	0.00	0.00	0.01	0.00
16.01	2.00	0.00	0.00	0.01	0.00	16.02	2.00	0.00	0.00	0.01	0.00
16.03	2.00	0.00	0.00	0.01	0.00	16.04	2.00	0.00	0.00	0.01	0.00
16.05	2.00	0.00	0.00	0.01	0.00	16.06	2.00	0.00	0.00	0.01	0.00
16.07	2.00	0.00	0.00	0.01	0.00	16.08	2.00	0.00	0.00	0.01	0.00
16.09	2.00	0.00	0.00	0.01	0.00	16.10	2.00	0.00	0.00	0.01	0.00
16.11	2.00	0.00	0.00	0.01	0.00	16.12	2.00	0.00	0.00	0.01	0.00
16.13	2.00	0.00	0.00	0.01	0.00	16.14	2.00	0.00	0.00	0.01	0.00
16.15	2.00	0.00	0.00	0.01	0.00	16.16	2.00	0.00	0.00	0.01	0.00
16.17	2.00	0.00	0.00	0.01	0.00	16.18	2.00	0.00	0.00	0.01	0.00
16.19	2.00	0.00	0.00	0.01	0.00	16.20	2.00	0.00	0.00	0.01	0.00
16.21	2.00	0.00	0.00	0.01	0.00	16.22	2.00	0.00	0.00	0.01	0.00
16.23	2.00	0.00	0.00	0.01	0.00	16.24	2.00	0.00	0.00	0.01	0.00
16.25	2.00	0.00	0.00	0.01	0.00	16.26	2.00	0.00	0.00	0.01	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}
16.27	2.00	0.00	0.00	0.01	0.00	16.28	2.00	0.00	0.00	0.01	0.00
16.29	2.00	0.00	0.00	0.01	0.00	16.30	2.00	0.00	0.00	0.01	0.00
16.31	2.00	0.00	0.00	0.01	0.00	16.32	2.00	0.00	0.00	0.01	0.00
16.33	2.00	0.00	0.00	0.01	0.00	16.34	2.00	0.00	0.00	0.01	0.00
16.35	2.00	0.00	0.00	0.01	0.00	16.36	2.00	0.00	0.00	0.01	0.00
16.37	2.00	0.00	0.00	0.01	0.00	16.38	2.00	0.00	0.00	0.01	0.00
16.39	2.00	0.00	0.00	0.01	0.00	16.40	2.00	0.00	0.00	0.01	0.00
16.41	2.00	0.00	0.00	0.01	0.00	16.42	2.00	0.00	0.00	0.01	0.00
16.43	2.00	0.00	0.00	0.01	0.00	16.44	2.00	0.00	0.00	0.01	0.00
16.45	2.00	0.00	0.00	0.01	0.00	16.46	2.00	0.00	0.00	0.01	0.00
16.47	2.00	0.00	0.00	0.01	0.00	16.48	2.00	0.00	0.00	0.01	0.00
16.49	2.00	0.00	0.00	0.01	0.00	16.50	2.00	0.00	0.00	0.01	0.00
16.51	2.00	0.00	0.00	0.01	0.00	16.52	2.00	0.00	0.00	0.01	0.00
16.53	2.00	0.00	0.00	0.01	0.00	16.54	2.00	0.00	0.00	0.01	0.00
16.55	2.00	0.00	0.00	0.01	0.00	16.56	2.00	0.00	0.00	0.01	0.00
16.57	2.00	0.00	0.00	0.01	0.00	16.58	2.00	0.00	0.00	0.01	0.00
16.59	2.00	0.00	0.00	0.01	0.00	16.60	2.00	0.00	0.00	0.01	0.00
16.61	2.00	0.00	0.00	0.01	0.00	16.62	2.00	0.00	0.00	0.01	0.00
16.63	2.00	0.00	0.00	0.01	0.00	16.64	2.00	0.00	0.00	0.01	0.00
16.65	2.00	0.00	0.00	0.01	0.00	16.66	2.00	0.00	0.00	0.01	0.00
16.67	2.00	0.00	0.00	0.01	0.00	16.68	2.00	0.00	0.00	0.01	0.00
16.69	2.00	0.00	0.00	0.01	0.00	16.70	2.00	0.00	0.00	0.01	0.00
16.71	2.00	0.00	0.00	0.01	0.00	16.72	2.00	0.00	0.00	0.01	0.00
16.73	2.00	0.00	0.00	0.01	0.00	16.74	2.00	0.00	0.00	0.01	0.00
16.75	2.00	0.00	0.00	0.01	0.00	16.76	2.00	0.00	0.00	0.01	0.00
16.77	2.00	0.00	0.00	0.01	0.00	16.78	2.00	0.00	0.00	0.01	0.00
16.79	2.00	0.00	0.00	0.01	0.00	16.80	2.00	0.00	0.00	0.01	0.00
16.81	2.00	0.00	0.00	0.01	0.00	16.82	2.00	0.00	0.00	0.01	0.00
16.83	2.00	0.00	0.00	0.01	0.00	16.84	2.00	0.00	0.00	0.01	0.00
16.85	2.00	0.00	0.00	0.01	0.00	16.86	2.00	0.00	0.00	0.01	0.00
16.87	2.00	0.00	0.00	0.01	0.00	16.88	2.00	0.00	0.00	0.01	0.00
16.89	2.00	0.00	0.00	0.01	0.00	16.90	2.00	0.00	0.00	0.01	0.00
16.91	2.00	0.00	0.00	0.01	0.00	16.92	2.00	0.00	0.00	0.01	0.00
16.93	2.00	0.00	0.00	0.01	0.00	16.94	2.00	0.00	0.00	0.01	0.00
16.95	2.00	0.00	0.00	0.01	0.00	16.96	2.00	0.00	0.00	0.01	0.00
16.97	2.00	0.00	0.00	0.01	0.00	16.98	2.00	0.00	0.00	0.01	0.00
16.99	2.00	0.00	0.00	0.01	0.00	17.00	2.00	0.00	0.00	0.01	0.00
17.01	2.00	0.00	0.00	0.01	0.00	17.02	2.00	0.00	0.00	0.01	0.00
17.03	2.00	0.00	0.00	0.01	0.00	17.04	2.00	0.00	0.00	0.01	0.00
17.05	2.00	0.00	0.00	0.01	0.00	17.06	2.00	0.00	0.00	0.01	0.00
17.07	2.00	0.00	0.00	0.01	0.00	17.08	2.00	0.00	0.00	0.01	0.00
17.09	2.00	0.00	0.00	0.01	0.00	17.10	2.00	0.00	0.00	0.01	0.00
17.11	2.00	0.00	0.00	0.01	0.00	17.12	2.00	0.00	0.00	0.01	0.00
17.13	2.00	0.00	0.00	0.01	0.00	17.14	2.00	0.00	0.00	0.01	0.00
17.15	2.00	0.00	0.00	0.01	0.00	17.16	2.00	0.00	0.00	0.01	0.00
17.17	2.00	0.00	0.00	0.01	0.00	17.18	2.00	0.00	0.00	0.01	0.00
17.19	2.00	0.00	0.00	0.01	0.00	17.20	2.00	0.00	0.00	0.01	0.00
17.21	2.00	0.00	0.00	0.01	0.00	17.22	2.00	0.00	0.00	0.01	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}
17.23	2.00	0.00	0.00	0.01	0.00	17.24	2.00	0.00	0.00	0.01	0.00
17.25	2.00	0.00	0.00	0.01	0.00	17.26	2.00	0.00	0.00	0.01	0.00
17.27	2.00	0.00	0.00	0.01	0.00	17.28	2.00	0.00	0.00	0.01	0.00
17.29	2.00	0.00	0.00	0.01	0.00	17.30	2.00	0.00	0.00	0.01	0.00
17.31	2.00	0.00	0.00	0.01	0.00	17.32	2.00	0.00	0.00	0.01	0.00
17.33	2.00	0.00	0.00	0.01	0.00	17.34	2.00	0.00	0.00	0.01	0.00
17.35	2.00	0.00	0.00	0.01	0.00	17.36	2.00	0.00	0.00	0.01	0.00
17.37	2.00	0.00	0.00	0.01	0.00	17.38	2.00	0.00	0.00	0.01	0.00
17.39	2.00	0.00	0.00	0.01	0.00	17.40	2.00	0.00	0.00	0.01	0.00
17.41	2.00	0.00	0.00	0.01	0.00	17.42	2.00	0.00	0.00	0.01	0.00
17.43	2.00	0.00	0.00	0.01	0.00	17.44	2.00	0.00	0.00	0.01	0.00
17.45	2.00	0.00	0.00	0.01	0.00	17.46	2.00	0.00	0.00	0.01	0.00
17.47	2.00	0.00	0.00	0.01	0.00	17.48	2.00	0.00	0.00	0.01	0.00
17.49	2.00	0.00	0.00	0.01	0.00	17.50	2.00	0.00	0.00	0.01	0.00
17.51	2.00	0.00	0.00	0.01	0.00	17.52	2.00	0.00	0.00	0.01	0.00
17.53	2.00	0.00	0.00	0.01	0.00	17.54	2.00	0.00	0.00	0.01	0.00
17.55	2.00	0.00	0.00	0.01	0.00	17.56	2.00	0.00	0.00	0.01	0.00
17.57	2.00	0.00	0.00	0.01	0.00	17.58	2.00	0.00	0.00	0.01	0.00
17.59	2.00	0.00	0.00	0.01	0.00	17.60	2.00	0.00	0.00	0.01	0.00
17.61	2.00	0.00	0.00	0.01	0.00	17.62	2.00	0.00	0.00	0.01	0.00
17.63	2.00	0.00	0.00	0.01	0.00	17.64	2.00	0.00	0.00	0.01	0.00
17.65	2.00	0.00	0.00	0.01	0.00	17.66	2.00	0.00	0.00	0.01	0.00
17.67	2.00	0.00	0.00	0.01	0.00	17.68	2.00	0.00	0.00	0.01	0.00
17.69	2.00	0.00	0.00	0.01	0.00	17.70	2.00	0.00	0.00	0.01	0.00
17.71	2.00	0.00	0.00	0.01	0.00	17.72	2.00	0.00	0.00	0.01	0.00
17.73	2.00	0.00	0.00	0.01	0.00	17.74	2.00	0.00	0.00	0.01	0.00
17.75	2.00	0.00	0.00	0.01	0.00	17.76	2.00	0.00	0.00	0.01	0.00
17.77	2.00	0.00	0.00	0.01	0.00	17.78	2.00	0.00	0.00	0.01	0.00
17.79	2.00	0.00	0.00	0.01	0.00	17.80	2.00	0.00	0.00	0.01	0.00
17.81	2.00	0.00	0.00	0.01	0.00	17.82	2.00	0.00	0.00	0.01	0.00
17.83	2.00	0.00	0.00	0.01	0.00	17.84	2.00	0.00	0.00	0.01	0.00
17.85	2.00	0.00	0.00	0.01	0.00	17.86	2.00	0.00	0.00	0.01	0.00
17.87	2.00	0.00	0.00	0.01	0.00	17.88	2.00	0.00	0.00	0.01	0.00
17.89	2.00	0.00	0.00	0.01	0.00	17.90	2.00	0.00	0.00	0.01	0.00
17.91	2.00	0.00	0.00	0.01	0.00	17.92	2.00	0.00	0.00	0.01	0.00
17.93	2.00	0.00	0.00	0.01	0.00	17.94	2.00	0.00	0.00	0.01	0.00
17.95	2.00	0.00	0.00	0.01	0.00	17.96	2.00	0.00	0.00	0.01	0.00
17.97	2.00	0.00	0.00	0.01	0.00	17.98	2.00	0.00	0.00	0.01	0.00
17.99	2.00	0.00	0.00	0.01	0.00	18.00	2.00	0.00	0.00	0.01	0.00
18.01	2.00	0.00	0.00	0.01	0.00	18.02	2.00	0.00	0.00	0.01	0.00
18.03	2.00	0.00	0.00	0.01	0.00	18.04	2.00	0.00	0.00	0.01	0.00
18.05	2.00	0.00	0.00	0.01	0.00	18.06	2.00	0.00	0.00	0.01	0.00
18.07	2.00	0.00	0.00	0.01	0.00	18.08	2.00	0.00	0.00	0.01	0.00
18.09	2.00	0.00	0.00	0.01	0.00	18.10	2.00	0.00	0.00	0.01	0.00
18.11	2.00	0.00	0.00	0.01	0.00	18.12	2.00	0.00	0.00	0.01	0.00
18.13	2.00	0.00	0.00	0.01	0.00	18.14	2.00	0.00	0.00	0.01	0.00
18.15	2.00	0.00	0.00	0.01	0.00	18.16	2.00	0.00	0.00	0.01	0.00
18.17	2.00	0.00	0.00	0.01	0.00	18.18	2.00	0.00	0.00	0.01	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}
18.19	2.00	0.00	0.00	0.01	0.00	18.20	2.00	0.00	0.00	0.01	0.00
18.21	2.00	0.00	0.00	0.01	0.00	18.22	2.00	0.00	0.00	0.01	0.00
18.23	2.00	0.00	0.00	0.01	0.00	18.24	2.00	0.00	0.00	0.01	0.00
18.25	2.00	0.00	0.00	0.01	0.00	18.26	2.00	0.00	0.00	0.01	0.00
18.27	2.00	0.00	0.00	0.01	0.00	18.28	2.00	0.00	0.00	0.01	0.00
18.29	2.00	0.00	0.00	0.01	0.00	18.30	2.00	0.00	0.00	0.01	0.00
18.31	2.00	0.00	0.00	0.01	0.00	18.32	2.00	0.00	0.00	0.01	0.00
18.33	2.00	0.00	0.00	0.01	0.00	18.34	2.00	0.00	0.00	0.01	0.00
18.35	2.00	0.00	0.00	0.01	0.00	18.36	2.00	0.00	0.00	0.01	0.00
18.37	2.00	0.00	0.00	0.01	0.00	18.38	2.00	0.00	0.00	0.01	0.00
18.39	2.00	0.00	0.00	0.01	0.00	18.40	2.00	0.00	0.00	0.01	0.00
18.41	2.00	0.00	0.00	0.01	0.00	18.42	2.00	0.00	0.00	0.01	0.00
18.43	2.00	0.00	0.00	0.01	0.00	18.44	2.00	0.00	0.00	0.01	0.00
18.45	2.00	0.00	0.00	0.01	0.00	18.46	2.00	0.00	0.00	0.01	0.00
18.47	2.00	0.00	0.00	0.01	0.00	18.48	2.00	0.00	0.00	0.01	0.00
18.49	2.00	0.00	0.00	0.01	0.00	18.50	2.00	0.00	0.00	0.01	0.00
18.51	2.00	0.00	0.00	0.01	0.00	18.52	2.00	0.00	0.00	0.01	0.00
18.53	2.00	0.00	0.00	0.01	0.00	18.54	2.00	0.00	0.00	0.01	0.00
18.55	2.00	0.00	0.00	0.01	0.00	18.56	2.00	0.00	0.00	0.01	0.00
18.57	2.00	0.00	0.00	0.01	0.00	18.58	2.00	0.00	0.00	0.01	0.00
18.59	2.00	0.00	0.00	0.01	0.00	18.60	2.00	0.00	0.00	0.01	0.00
18.61	2.00	0.00	0.00	0.01	0.00	18.62	2.00	0.00	0.00	0.01	0.00
18.63	2.00	0.00	0.00	0.01	0.00	18.64	2.00	0.00	0.00	0.01	0.00
18.65	2.00	0.00	0.00	0.01	0.00	18.66	2.00	0.00	0.00	0.01	0.00
18.67	2.00	0.00	0.00	0.01	0.00	18.68	2.00	0.00	0.00	0.01	0.00
18.69	2.00	0.00	0.00	0.01	0.00	18.70	2.00	0.00	0.00	0.01	0.00
18.71	2.00	0.00	0.00	0.01	0.00	18.72	2.00	0.00	0.00	0.01	0.00
18.73	2.00	0.00	0.00	0.01	0.00	18.74	2.00	0.00	0.00	0.01	0.00
18.75	2.00	0.00	0.00	0.01	0.00	18.76	2.00	0.00	0.00	0.01	0.00
18.77	2.00	0.00	0.00	0.01	0.00	18.78	2.00	0.00	0.00	0.01	0.00
18.79	2.00	0.00	0.00	0.01	0.00	18.80	2.00	0.00	0.00	0.01	0.00
18.81	2.00	0.00	0.00	0.01	0.00	18.82	2.00	0.00	0.00	0.01	0.00
18.83	2.00	0.00	0.00	0.01	0.00	18.84	2.00	0.00	0.00	0.01	0.00
18.85	2.00	0.00	0.00	0.01	0.00	18.86	2.00	0.00	0.00	0.01	0.00
18.87	2.00	0.00	0.00	0.01	0.00	18.88	2.00	0.00	0.00	0.01	0.00
18.89	2.00	0.00	0.00	0.01	0.00	18.90	2.00	0.00	0.00	0.01	0.00
18.91	2.00	0.00	0.00	0.01	0.00	18.92	2.00	0.00	0.00	0.01	0.00
18.93	2.00	0.00	0.00	0.01	0.00	18.94	2.00	0.00	0.00	0.01	0.00
18.95	2.00	0.00	0.00	0.01	0.00	18.96	2.00	0.00	0.00	0.01	0.00
18.97	2.00	0.00	0.00	0.01	0.00	18.98	2.00	0.00	0.00	0.01	0.00
18.99	2.00	0.00	0.00	0.01	0.00	19.00	2.00	0.00	0.00	0.01	0.00
19.01	2.00	0.00	0.00	0.01	0.00	19.02	2.00	0.00	0.00	0.01	0.00
19.03	2.00	0.00	0.00	0.01	0.00	19.04	2.00	0.00	0.00	0.01	0.00
19.05	2.00	0.00	0.00	0.01	0.00	19.06	2.00	0.00	0.00	0.01	0.00
19.07	2.00	0.00	0.00	0.01	0.00	19.08	2.00	0.00	0.00	0.01	0.00
19.09	2.00	0.00	0.00	0.01	0.00	19.10	2.00	0.00	0.00	0.01	0.00
19.11	2.00	0.00	0.00	0.01	0.00	19.12	2.00	0.00	0.00	0.01	0.00
19.13	2.00	0.00	0.00	0.01	0.00	19.14	2.00	0.00	0.00	0.01	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}
19.15	2.00	0.00	0.00	0.01	0.00	19.16	2.00	0.00	0.00	0.01	0.00
19.17	2.00	0.00	0.00	0.01	0.00	19.18	2.00	0.00	0.00	0.01	0.00
19.19	2.00	0.00	0.00	0.01	0.00	19.20	2.00	0.00	0.00	0.01	0.00
19.21	2.00	0.00	0.00	0.01	0.00	19.22	2.00	0.00	0.00	0.01	0.00
19.23	2.00	0.00	0.00	0.01	0.00	19.24	2.00	0.00	0.00	0.01	0.00
19.25	2.00	0.00	0.00	0.01	0.00	19.26	2.00	0.00	0.00	0.01	0.00
19.27	2.00	0.00	0.00	0.01	0.00	19.28	2.00	0.00	0.00	0.01	0.00
19.29	2.00	0.00	0.00	0.01	0.00	19.30	2.00	0.00	0.00	0.01	0.00
19.31	2.00	0.00	0.00	0.01	0.00	19.32	2.00	0.00	0.00	0.01	0.00
19.33	2.00	0.00	0.00	0.01	0.00	19.34	2.00	0.00	0.00	0.01	0.00
19.35	2.00	0.00	0.00	0.01	0.00	19.36	2.00	0.00	0.00	0.01	0.00
19.37	2.00	0.00	0.00	0.01	0.00	19.38	2.00	0.00	0.00	0.01	0.00
19.39	2.00	0.00	0.00	0.01	0.00	19.40	2.00	0.00	0.00	0.01	0.00
19.41	2.00	0.00	0.00	0.01	0.00	19.42	2.00	0.00	0.00	0.01	0.00
19.43	2.00	0.00	0.00	0.01	0.00	19.44	2.00	0.00	0.00	0.01	0.00
19.45	2.00	0.00	0.00	0.01	0.00	19.46	2.00	0.00	0.00	0.01	0.00
19.47	2.00	0.00	0.00	0.01	0.00	19.48	2.00	0.00	0.00	0.01	0.00
19.49	2.00	0.00	0.00	0.01	0.00	19.50	2.00	0.00	0.00	0.01	0.00
19.51	0.45	0.55	0.42	0.01	0.00	19.52	0.46	0.54	0.44	0.01	0.00
19.53	0.46	0.54	0.43	0.01	0.00	19.54	0.48	0.52	0.46	0.01	0.00
19.55	0.47	0.53	0.45	0.01	0.00	19.56	0.46	0.54	0.44	0.01	0.00
19.57	2.00	0.00	0.00	0.01	0.00	19.58	2.00	0.00	0.00	0.01	0.00
19.59	2.00	0.00	0.00	0.01	0.00	19.60	2.00	0.00	0.00	0.01	0.00
19.61	2.00	0.00	0.00	0.01	0.00	19.62	2.00	0.00	0.00	0.01	0.00
19.63	2.00	0.00	0.00	0.01	0.00	19.64	2.00	0.00	0.00	0.01	0.00
19.65	2.00	0.00	0.00	0.01	0.00	19.66	2.00	0.00	0.00	0.01	0.00
19.67	2.00	0.00	0.00	0.01	0.00	19.68	2.00	0.00	0.00	0.01	0.00
19.69	2.00	0.00	0.00	0.01	0.00	19.70	2.00	0.00	0.00	0.01	0.00
19.71	2.00	0.00	0.00	0.01	0.00	19.72	2.00	0.00	0.00	0.01	0.00
19.73	2.00	0.00	0.00	0.01	0.00	19.74	2.00	0.00	0.00	0.01	0.00
19.75	2.00	0.00	0.00	0.01	0.00	19.76	2.00	0.00	0.00	0.01	0.00
19.77	2.00	0.00	0.00	0.01	0.00	19.78	2.00	0.00	0.00	0.01	0.00
19.79	2.00	0.00	0.00	0.01	0.00	19.80	2.00	0.00	0.00	0.01	0.00
19.81	2.00	0.00	0.00	0.01	0.00	19.82	2.00	0.00	0.00	0.01	0.00
19.83	2.00	0.00	0.00	0.01	0.00	19.84	2.00	0.00	0.00	0.01	0.00
19.85	2.00	0.00	0.00	0.01	0.00	19.86	2.00	0.00	0.00	0.01	0.00
19.87	2.00	0.00	0.00	0.01	0.00	19.88	2.00	0.00	0.00	0.01	0.00
19.89	2.00	0.00	0.00	0.01	0.00	19.90	2.00	0.00	0.00	0.01	0.00
19.91	2.00	0.00	0.00	0.01	0.00	19.92	2.00	0.00	0.00	0.01	0.00
19.93	2.00	0.00	0.00	0.01	0.00	19.94	2.00	0.00	0.00	0.01	0.00
19.95	2.00	0.00	0.00	0.01	0.00	19.96	2.00	0.00	0.00	0.01	0.00
19.97	2.00	0.00	0.00	0.01	0.00	19.98	2.00	0.00	0.00	0.01	0.00
19.99	2.00	0.00	0.00	0.01	0.00	20.00	2.00	0.00	0.00	0.01	0.00
20.01	2.00	0.00	0.00	0.01	0.00	20.02	2.00	0.00	0.00	0.01	0.00
20.03	2.00	0.00	0.00	0.01	0.00	20.04	2.00	0.00	0.00	0.01	0.00
20.05	2.00	0.00	0.00	0.01	0.00	20.06	2.00	0.00	0.00	0.01	0.00
20.07	2.00	0.00	0.00	0.01	0.00	20.08	2.00	0.00	0.00	0.01	0.00
20.09	2.00	0.00	0.00	0.01	0.00	20.10	2.00	0.00	0.00	0.01	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}
20.11	2.00	0.00	0.00	0.01	0.00	20.12	2.00	0.00	0.00	0.01	0.00
20.13	2.00	0.00	0.00	0.01	0.00	20.14	2.00	0.00	0.00	0.01	0.00
20.15	2.00	0.00	0.00	0.01	0.00	20.16	2.00	0.00	0.00	0.01	0.00
20.17	2.00	0.00	0.00	0.01	0.00	20.18	2.00	0.00	0.00	0.01	0.00
20.19	2.00	0.00	0.00	0.01	0.00	20.20	2.00	0.00	0.00	0.01	0.00
20.21	2.00	0.00	0.00	0.01	0.00	20.22	2.00	0.00	0.00	0.01	0.00
20.23	2.00	0.00	0.00	0.01	0.00	20.24	2.00	0.00	0.00	0.01	0.00
20.25	2.00	0.00	0.00	0.01	0.00	20.26	2.00	0.00	0.00	0.01	0.00
20.27	2.00	0.00	0.00	0.01	0.00	20.28	2.00	0.00	0.00	0.01	0.00
20.29	2.00	0.00	0.00	0.01	0.00	20.30	2.00	0.00	0.00	0.01	0.00
20.31	2.00	0.00	0.00	0.01	0.00	20.32	2.00	0.00	0.00	0.01	0.00
20.33	2.00	0.00	0.00	0.01	0.00						

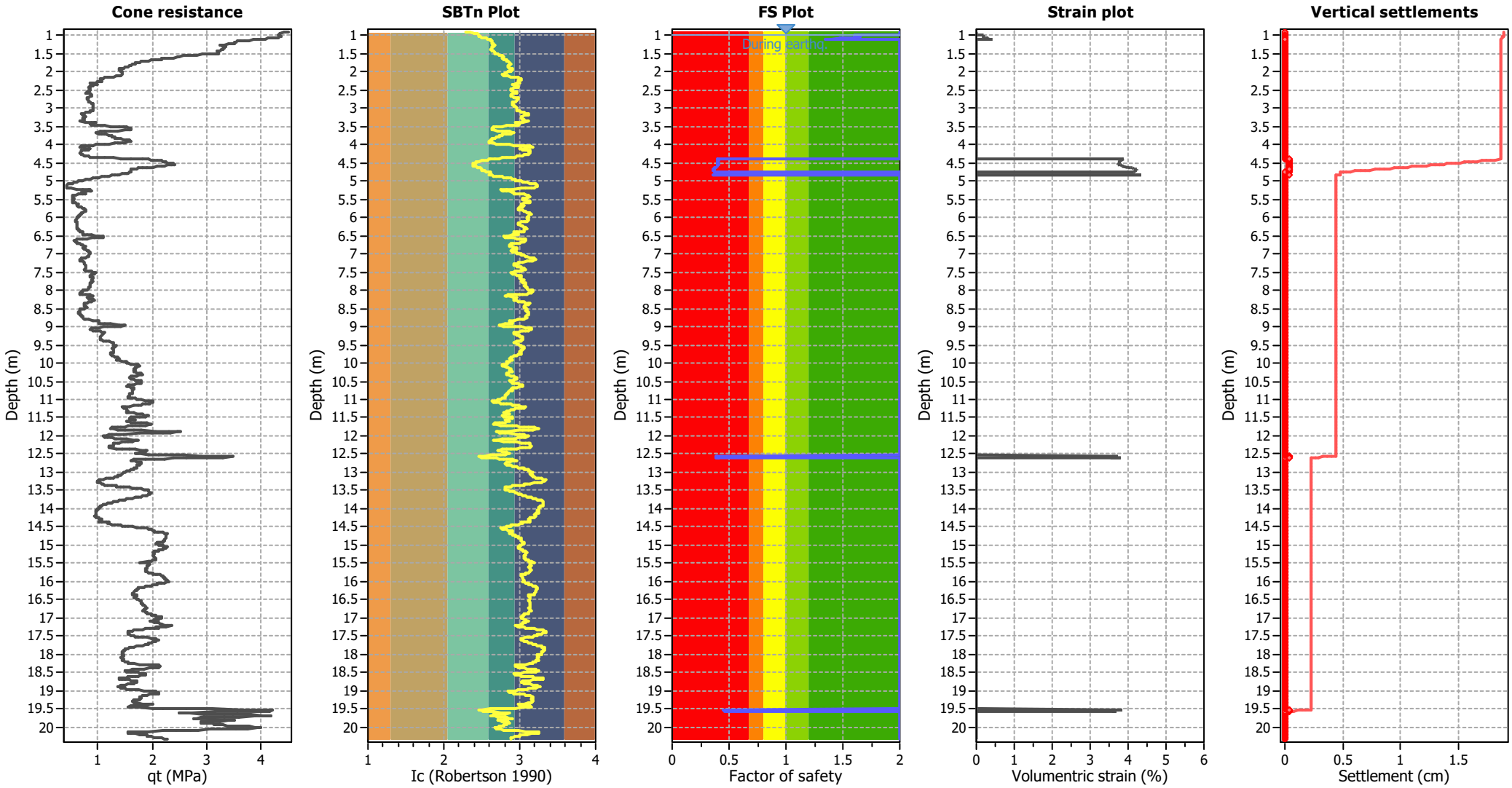
Overall liquefaction potential: 1.84

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

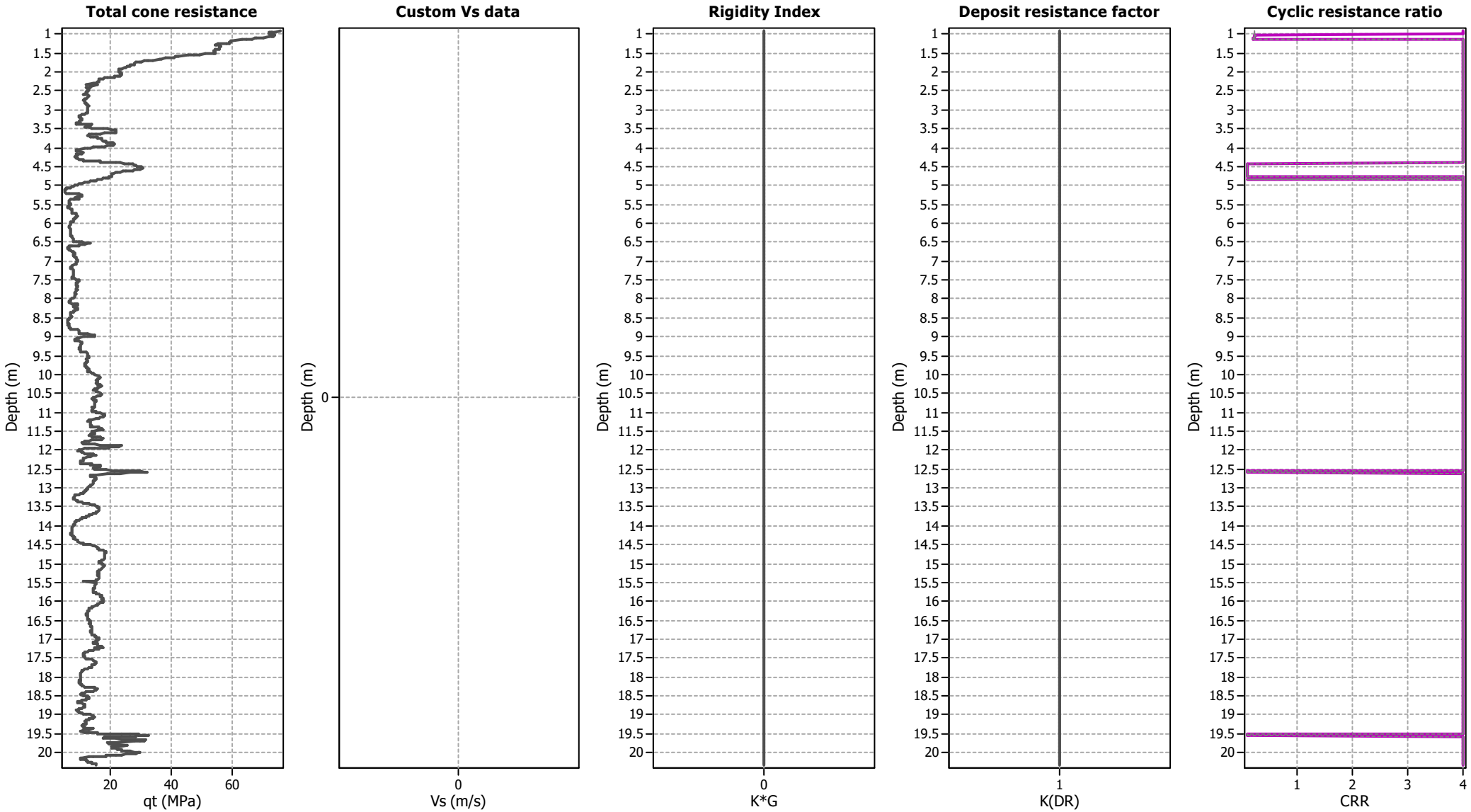
Estimation of post-earthquake settlements



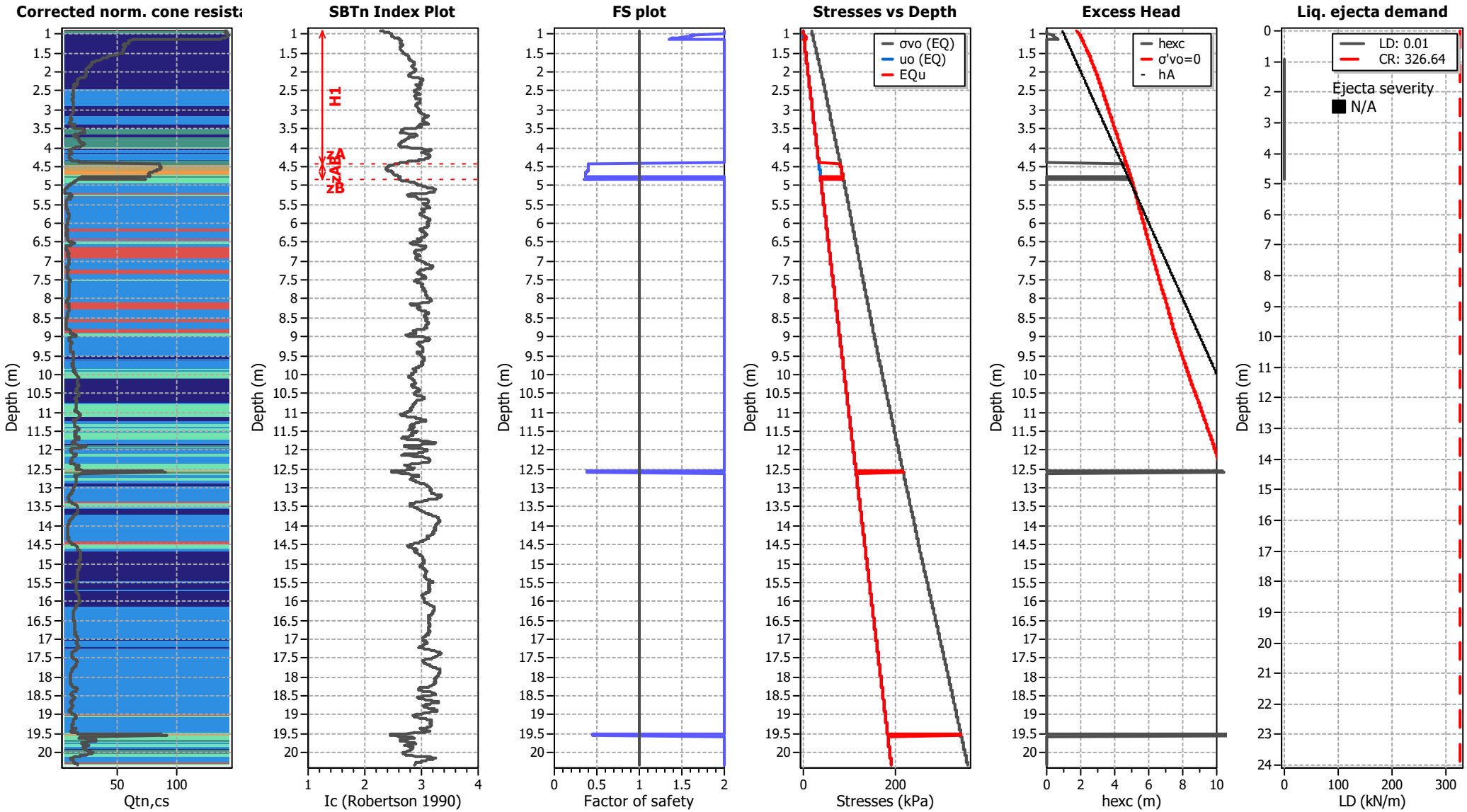
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



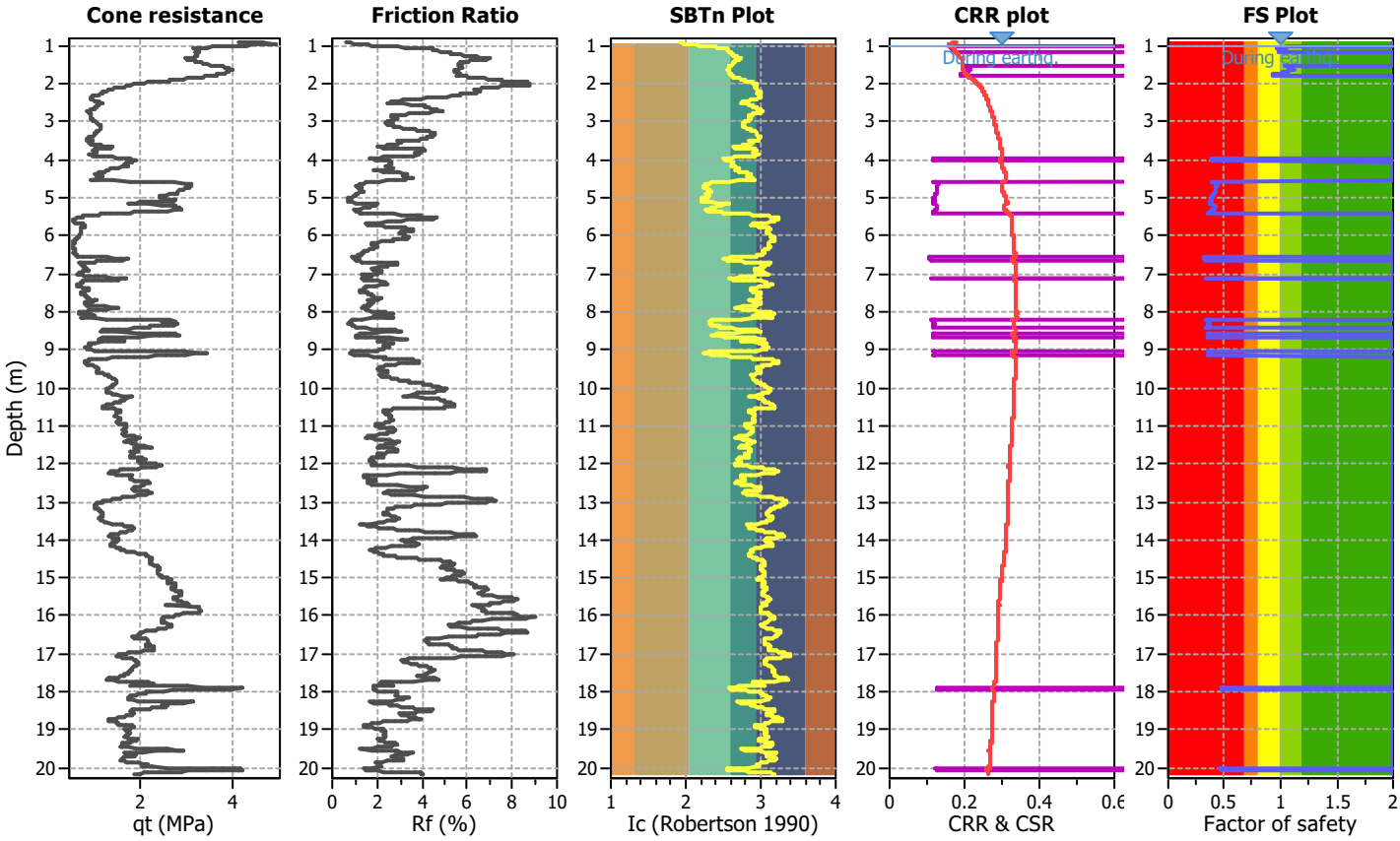
LIQUEFACTION ANALYSIS REPORT

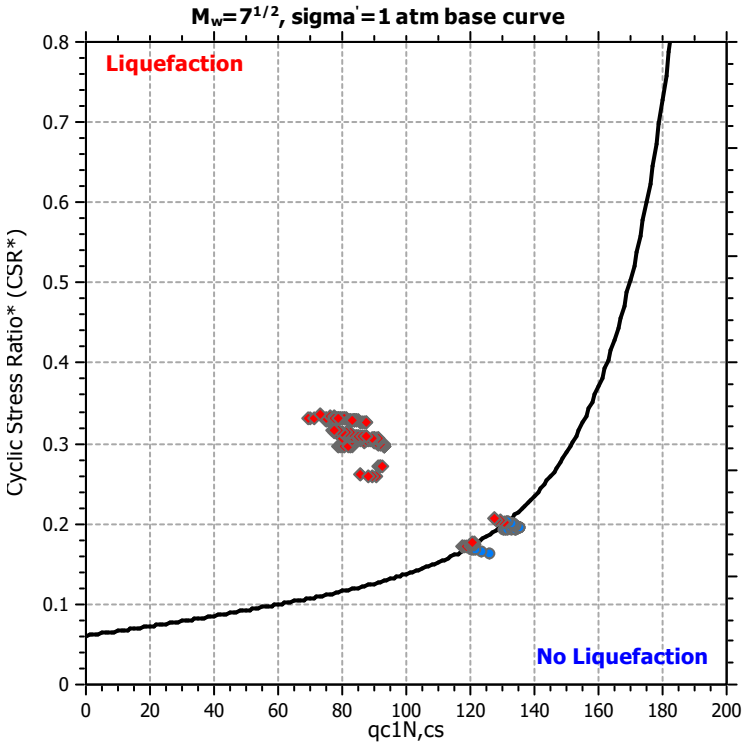
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,27**

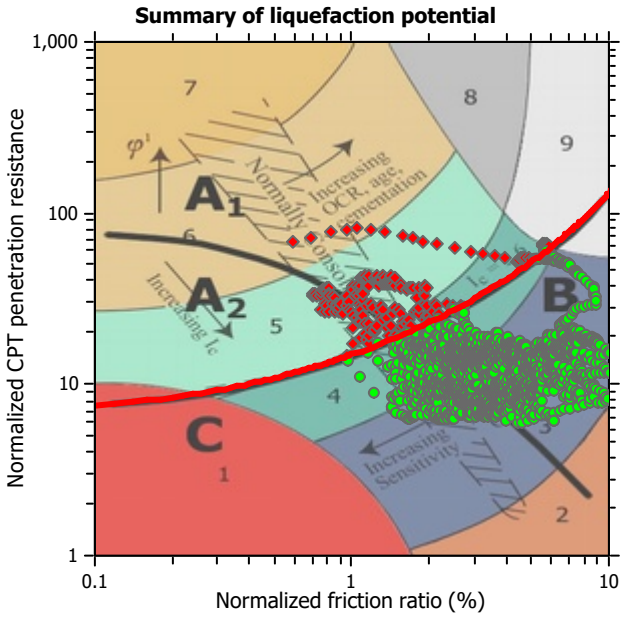
CPT file : 039017P24CPTU24

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.27	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

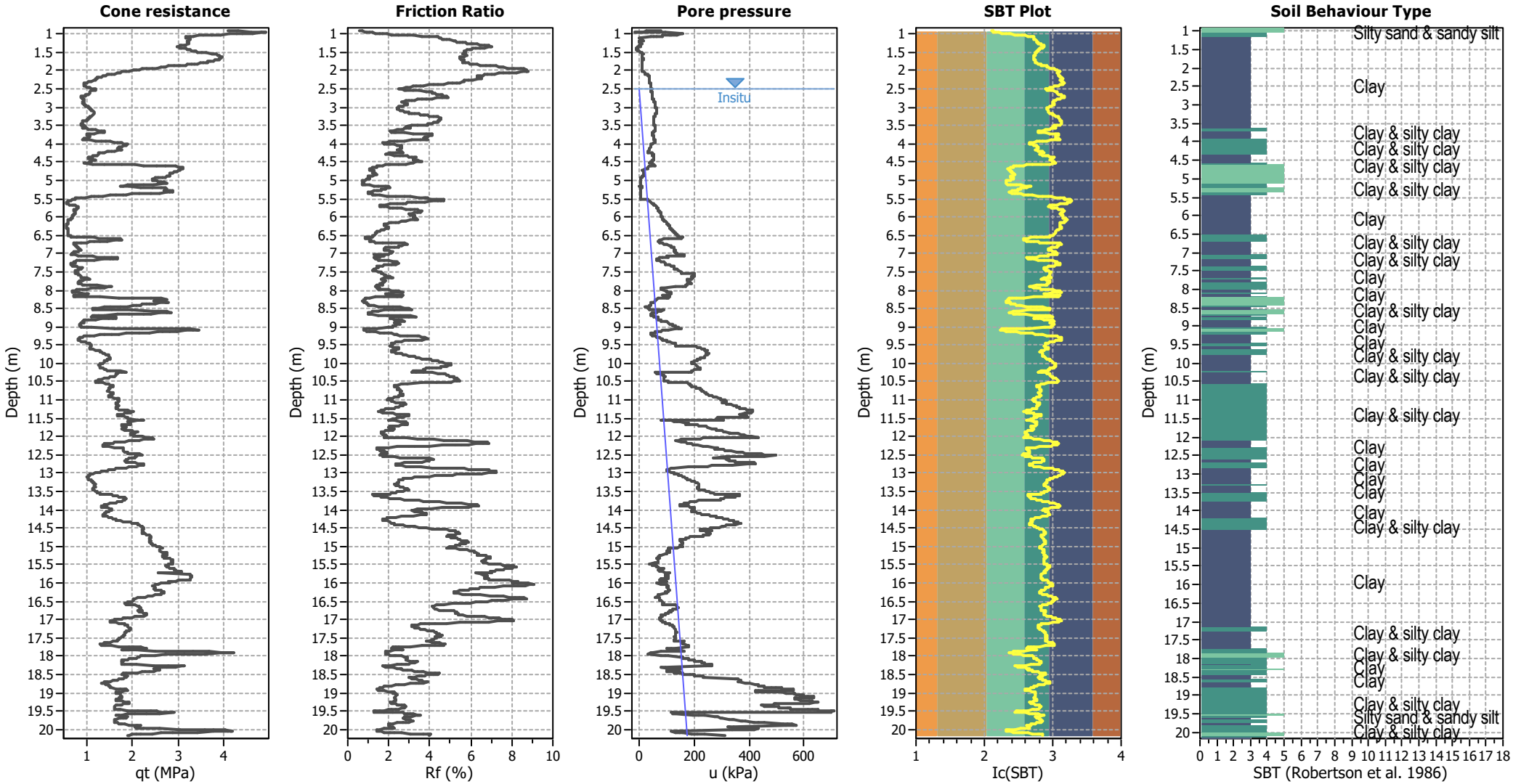






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



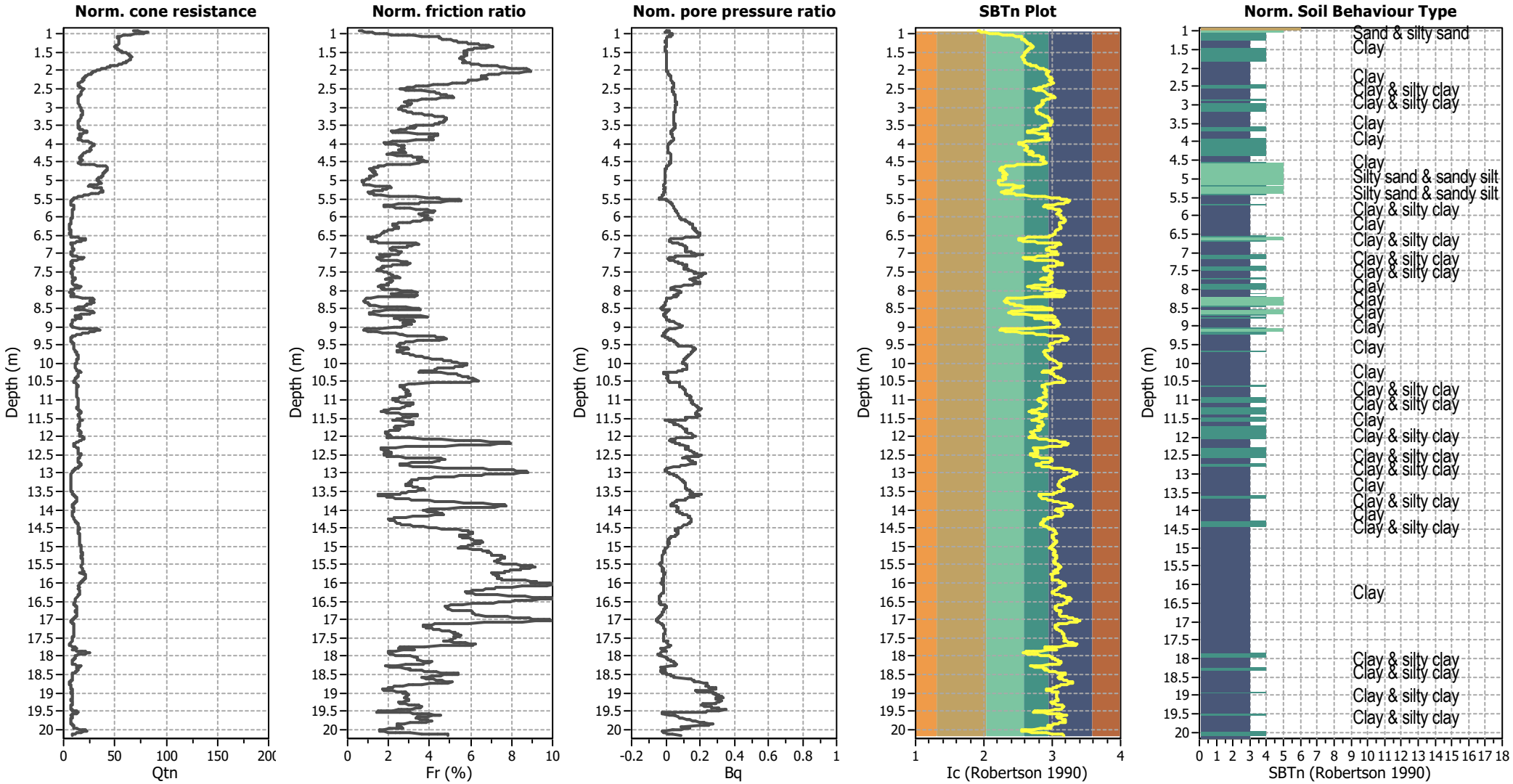
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



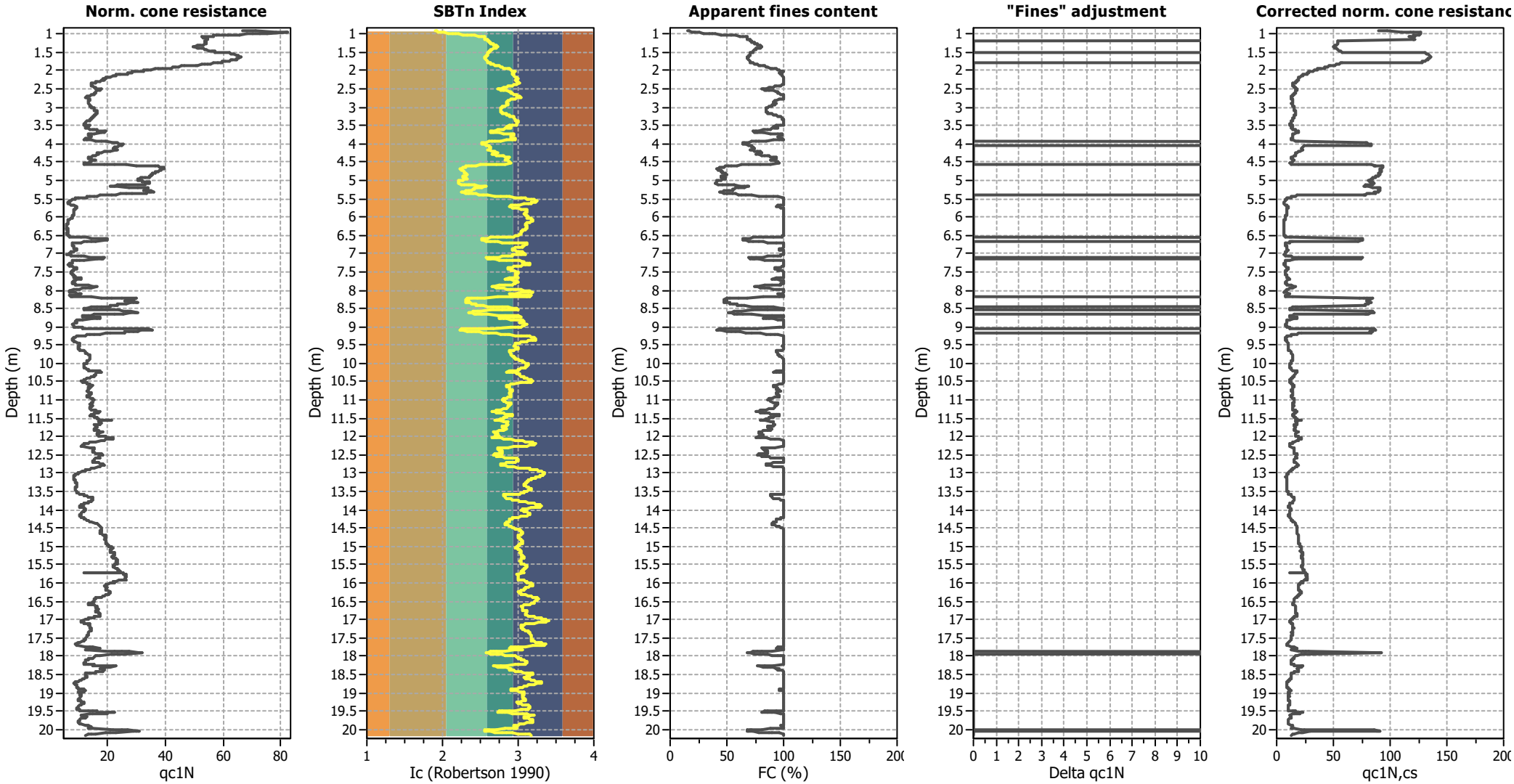
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

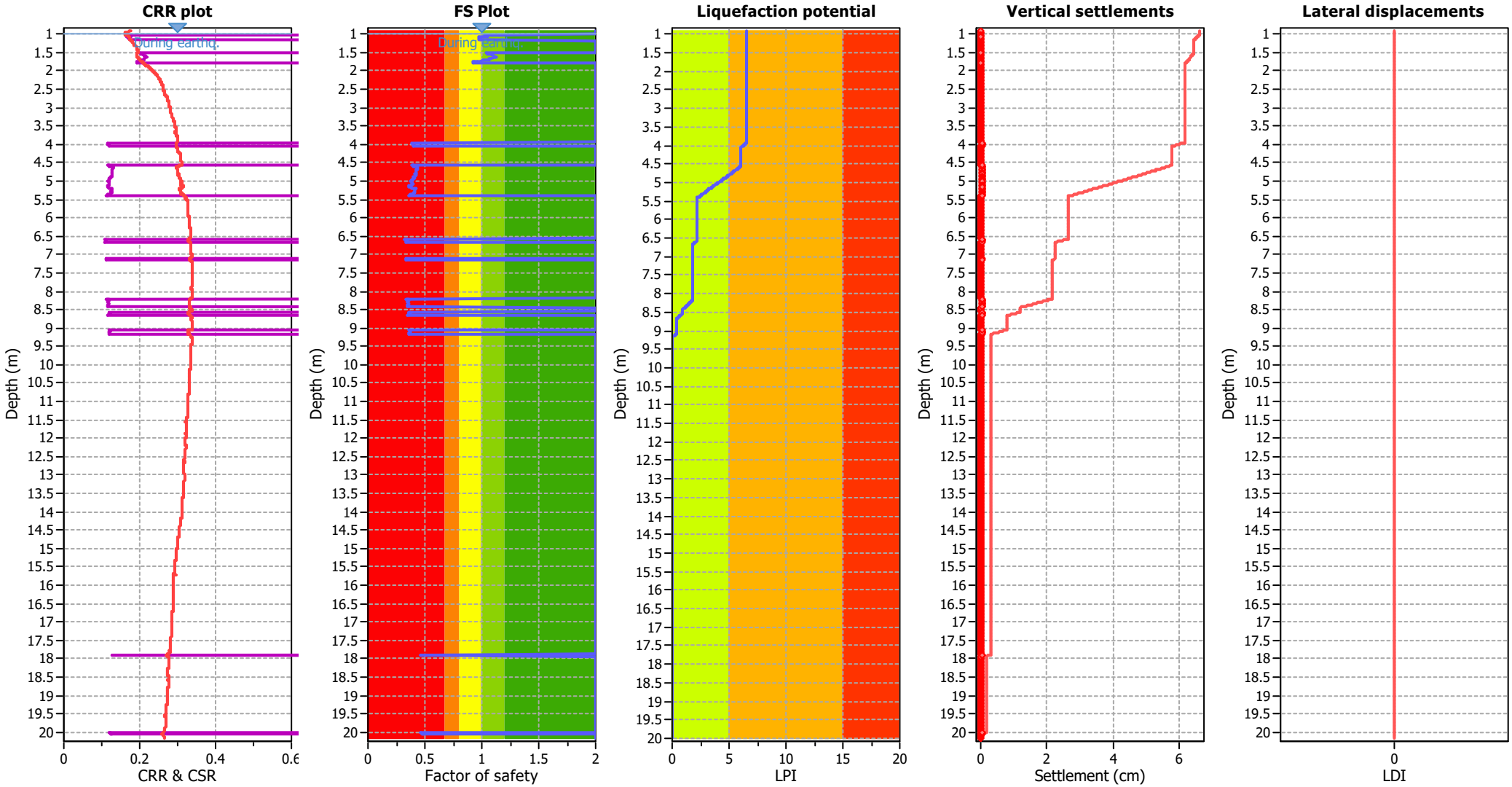
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

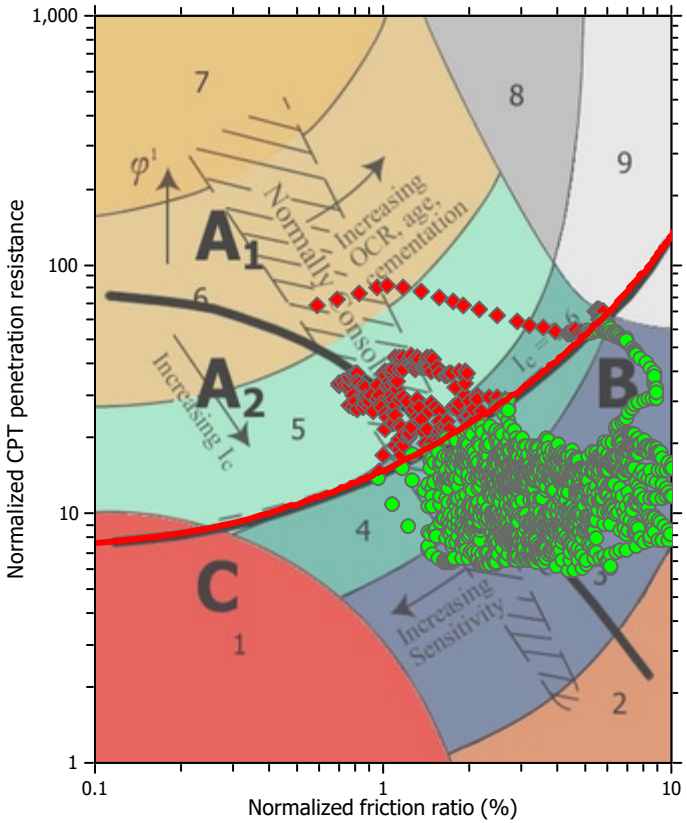
F.S. color scheme

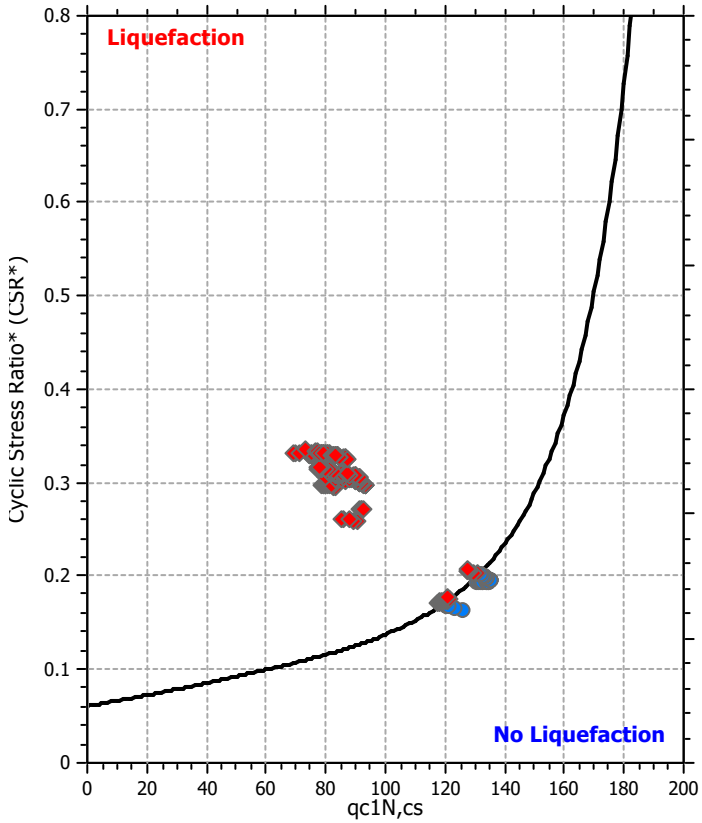
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

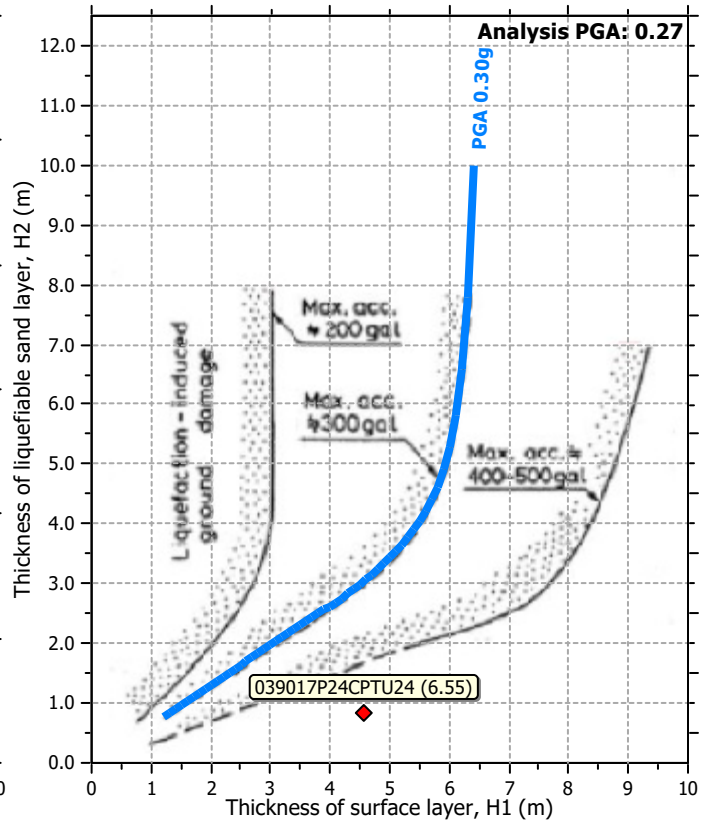
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



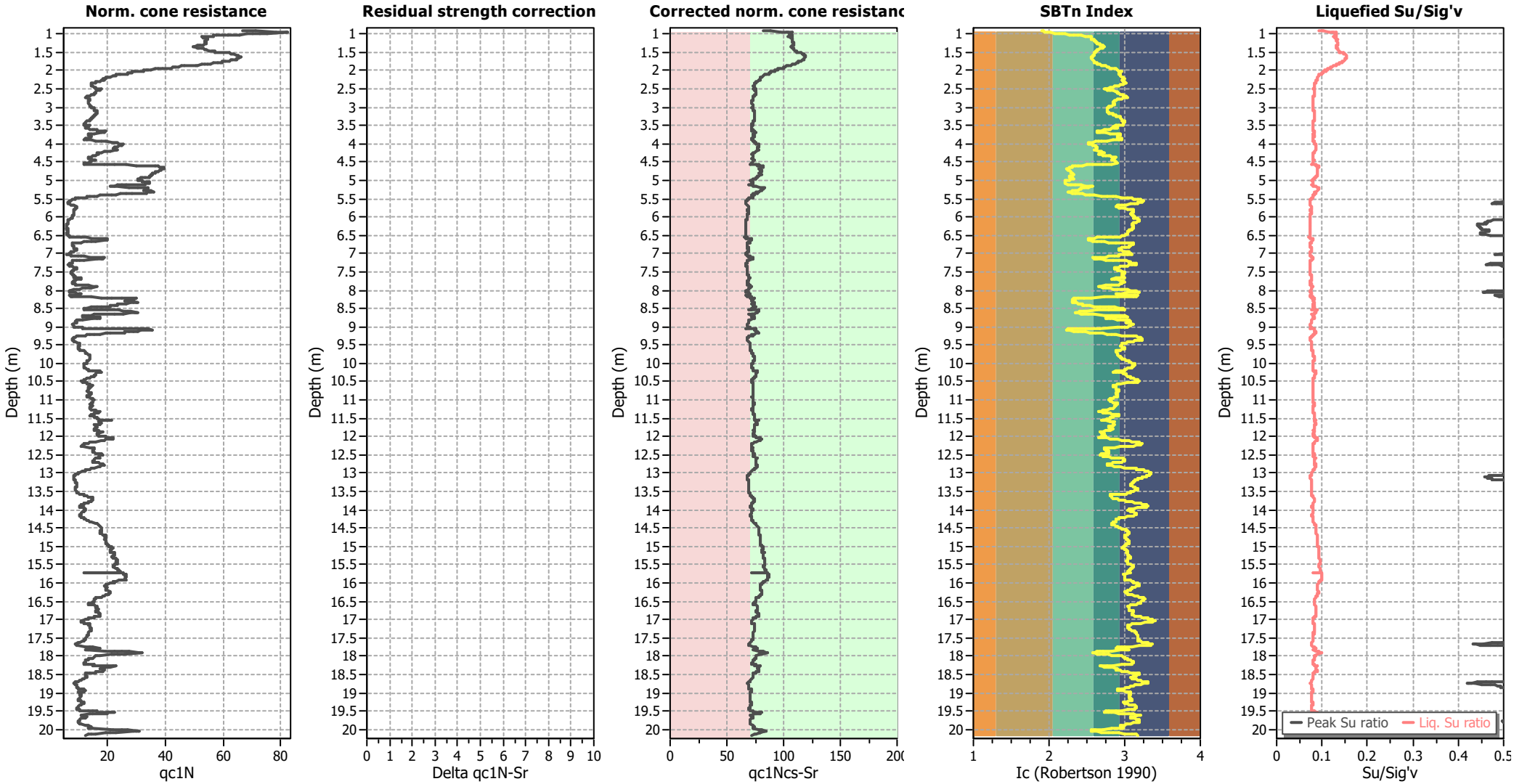




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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}
0.91	2.00	0.00	0.00	0.01	0.00	0.92	2.00	0.00	0.00	0.01	0.00
0.93	2.00	0.00	0.00	0.01	0.00	0.94	2.00	0.00	0.00	0.01	0.00
0.95	2.00	0.00	0.00	0.01	0.00	0.96	2.00	0.00	0.00	0.01	0.00
0.97	2.00	0.00	0.00	0.01	0.00	0.98	2.00	0.00	0.00	0.01	0.00
0.99	2.00	0.00	0.00	0.01	0.00	1.00	2.00	0.00	0.00	0.01	0.00
1.01	1.15	0.00	0.00	0.01	0.00	1.02	1.10	0.00	0.00	0.01	0.00
1.03	1.04	0.00	0.00	0.01	0.00	1.04	1.03	0.00	0.00	0.01	0.00
1.05	1.05	0.00	0.00	0.01	0.00	1.06	0.97	0.00	0.00	0.01	0.00
1.07	0.97	0.00	0.00	0.01	0.00	1.08	0.97	0.00	0.00	0.01	0.00
1.09	0.98	0.00	0.00	0.01	0.00	1.10	0.99	0.00	0.00	0.01	0.00
1.11	0.99	0.00	0.00	0.01	0.00	1.12	0.99	0.00	0.00	0.01	0.00
1.13	0.99	0.00	0.00	0.01	0.00	1.14	0.99	0.00	0.00	0.01	0.00
1.15	0.99	0.00	0.00	0.01	0.00	1.16	0.98	0.00	0.00	0.01	0.00
1.17	2.00	0.00	0.00	0.01	0.00	1.18	2.00	0.00	0.00	0.01	0.00
1.19	2.00	0.00	0.00	0.01	0.00	1.20	2.00	0.00	0.00	0.01	0.00
1.21	2.00	0.00	0.00	0.01	0.00	1.22	2.00	0.00	0.00	0.01	0.00
1.23	2.00	0.00	0.00	0.01	0.00	1.24	2.00	0.00	0.00	0.01	0.00
1.25	2.00	0.00	0.00	0.01	0.00	1.26	2.00	0.00	0.00	0.01	0.00
1.27	2.00	0.00	0.00	0.01	0.00	1.28	2.00	0.00	0.00	0.01	0.00
1.29	2.00	0.00	0.00	0.01	0.00	1.30	2.00	0.00	0.00	0.01	0.00
1.31	2.00	0.00	0.00	0.01	0.00	1.32	2.00	0.00	0.00	0.01	0.00
1.33	2.00	0.00	0.00	0.01	0.00	1.34	2.00	0.00	0.00	0.01	0.00
1.35	2.00	0.00	0.00	0.01	0.00	1.36	2.00	0.00	0.00	0.01	0.00
1.37	2.00	0.00	0.00	0.01	0.00	1.38	2.00	0.00	0.00	0.01	0.00
1.39	2.00	0.00	0.00	0.01	0.00	1.40	2.00	0.00	0.00	0.01	0.00
1.41	2.00	0.00	0.00	0.01	0.00	1.42	2.00	0.00	0.00	0.01	0.00
1.43	2.00	0.00	0.00	0.01	0.00	1.44	2.00	0.00	0.00	0.01	0.00
1.45	2.00	0.00	0.00	0.01	0.00	1.46	2.00	0.00	0.00	0.01	0.00
1.47	2.00	0.00	0.00	0.01	0.00	1.48	2.00	0.00	0.00	0.01	0.00
1.49	2.00	0.00	0.00	0.01	0.00	1.50	2.00	0.00	0.00	0.01	0.00
1.51	2.00	0.00	0.00	0.01	0.00	1.52	1.04	0.00	0.00	0.01	0.00
1.53	1.05	0.00	0.00	0.01	0.00	1.54	1.06	0.00	0.00	0.01	0.00
1.55	1.07	0.00	0.00	0.01	0.00	1.56	1.07	0.00	0.00	0.01	0.00
1.57	1.11	0.00	0.00	0.01	0.00	1.58	1.10	0.00	0.00	0.01	0.00
1.59	1.11	0.00	0.00	0.01	0.00	1.60	1.11	0.00	0.00	0.01	0.00
1.61	1.11	0.00	0.00	0.01	0.00	1.62	1.12	0.00	0.00	0.01	0.00
1.63	1.12	0.00	0.00	0.01	0.00	1.64	1.11	0.00	0.00	0.01	0.00
1.65	1.08	0.00	0.00	0.01	0.00	1.66	1.07	0.00	0.00	0.01	0.00
1.67	1.07	0.00	0.00	0.01	0.00	1.68	1.06	0.00	0.00	0.01	0.00
1.69	1.06	0.00	0.00	0.01	0.00	1.70	1.04	0.00	0.00	0.01	0.00
1.71	1.02	0.00	0.00	0.01	0.00	1.72	1.01	0.00	0.00	0.01	0.00
1.73	0.99	0.00	0.00	0.01	0.00	1.74	0.96	0.00	0.00	0.01	0.00
1.75	0.94	0.00	0.00	0.01	0.01	1.76	0.93	0.00	0.00	0.01	0.01
1.77	0.92	0.00	0.00	0.01	0.01	1.78	0.92	0.00	0.00	0.01	0.01
1.79	2.00	0.00	0.00	0.01	0.00	1.80	2.00	0.00	0.00	0.01	0.00
1.81	2.00	0.00	0.00	0.01	0.00	1.82	2.00	0.00	0.00	0.01	0.00
1.83	2.00	0.00	0.00	0.01	0.00	1.84	2.00	0.00	0.00	0.01	0.00
1.85	2.00	0.00	0.00	0.01	0.00	1.86	2.00	0.00	0.00	0.01	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}
1.87	2.00	0.00	0.00	0.01	0.00	1.88	2.00	0.00	0.00	0.01	0.00
1.89	2.00	0.00	0.00	0.01	0.00	1.90	2.00	0.00	0.00	0.01	0.00
1.91	2.00	0.00	0.00	0.01	0.00	1.92	2.00	0.00	0.00	0.01	0.00
1.93	2.00	0.00	0.00	0.01	0.00	1.94	2.00	0.00	0.00	0.01	0.00
1.95	2.00	0.00	0.00	0.01	0.00	1.96	2.00	0.00	0.00	0.01	0.00
1.97	2.00	0.00	0.00	0.01	0.00	1.98	2.00	0.00	0.00	0.01	0.00
1.99	2.00	0.00	0.00	0.01	0.00	2.00	2.00	0.00	0.00	0.01	0.00
2.01	2.00	0.00	0.00	0.01	0.00	2.02	2.00	0.00	0.00	0.01	0.00
2.03	2.00	0.00	0.00	0.01	0.00	2.04	2.00	0.00	0.00	0.01	0.00
2.05	2.00	0.00	0.00	0.01	0.00	2.06	2.00	0.00	0.00	0.01	0.00
2.07	2.00	0.00	0.00	0.01	0.00	2.08	2.00	0.00	0.00	0.01	0.00
2.09	2.00	0.00	0.00	0.01	0.00	2.10	2.00	0.00	0.00	0.01	0.00
2.11	2.00	0.00	0.00	0.01	0.00	2.12	2.00	0.00	0.00	0.01	0.00
2.13	2.00	0.00	0.00	0.01	0.00	2.14	2.00	0.00	0.00	0.01	0.00
2.15	2.00	0.00	0.00	0.01	0.00	2.16	2.00	0.00	0.00	0.01	0.00
2.17	2.00	0.00	0.00	0.01	0.00	2.18	2.00	0.00	0.00	0.01	0.00
2.19	2.00	0.00	0.00	0.01	0.00	2.20	2.00	0.00	0.00	0.01	0.00
2.21	2.00	0.00	0.00	0.01	0.00	2.22	2.00	0.00	0.00	0.01	0.00
2.23	2.00	0.00	0.00	0.01	0.00	2.24	2.00	0.00	0.00	0.01	0.00
2.25	2.00	0.00	0.00	0.01	0.00	2.26	2.00	0.00	0.00	0.01	0.00
2.27	2.00	0.00	0.00	0.01	0.00	2.28	2.00	0.00	0.00	0.01	0.00
2.29	2.00	0.00	0.00	0.01	0.00	2.30	2.00	0.00	0.00	0.01	0.00
2.31	2.00	0.00	0.00	0.01	0.00	2.32	2.00	0.00	0.00	0.01	0.00
2.33	2.00	0.00	0.00	0.01	0.00	2.34	2.00	0.00	0.00	0.01	0.00
2.35	2.00	0.00	0.00	0.01	0.00	2.36	2.00	0.00	0.00	0.01	0.00
2.37	2.00	0.00	0.00	0.01	0.00	2.38	2.00	0.00	0.00	0.01	0.00
2.39	2.00	0.00	0.00	0.01	0.00	2.40	2.00	0.00	0.00	0.01	0.00
2.41	2.00	0.00	0.00	0.01	0.00	2.42	2.00	0.00	0.00	0.01	0.00
2.43	2.00	0.00	0.00	0.01	0.00	2.44	2.00	0.00	0.00	0.01	0.00
2.45	2.00	0.00	0.00	0.01	0.00	2.46	2.00	0.00	0.00	0.01	0.00
2.47	2.00	0.00	0.00	0.01	0.00	2.48	2.00	0.00	0.00	0.01	0.00
2.49	2.00	0.00	0.00	0.01	0.00	2.50	2.00	0.00	0.00	0.01	0.00
2.51	2.00	0.00	0.00	0.01	0.00	2.52	2.00	0.00	0.00	0.01	0.00
2.53	2.00	0.00	0.00	0.01	0.00	2.54	2.00	0.00	0.00	0.01	0.00
2.55	2.00	0.00	0.00	0.01	0.00	2.56	2.00	0.00	0.00	0.01	0.00
2.57	2.00	0.00	0.00	0.01	0.00	2.58	2.00	0.00	0.00	0.01	0.00
2.59	2.00	0.00	0.00	0.01	0.00	2.60	2.00	0.00	0.00	0.01	0.00
2.61	2.00	0.00	0.00	0.01	0.00	2.62	2.00	0.00	0.00	0.01	0.00
2.63	2.00	0.00	0.00	0.01	0.00	2.64	2.00	0.00	0.00	0.01	0.00
2.65	2.00	0.00	0.00	0.01	0.00	2.66	2.00	0.00	0.00	0.01	0.00
2.67	2.00	0.00	0.00	0.01	0.00	2.68	2.00	0.00	0.00	0.01	0.00
2.69	2.00	0.00	0.00	0.01	0.00	2.70	2.00	0.00	0.00	0.01	0.00
2.71	2.00	0.00	0.00	0.01	0.00	2.72	2.00	0.00	0.00	0.01	0.00
2.73	2.00	0.00	0.00	0.01	0.00	2.74	2.00	0.00	0.00	0.01	0.00
2.75	2.00	0.00	0.00	0.01	0.00	2.76	2.00	0.00	0.00	0.01	0.00
2.77	2.00	0.00	0.00	0.01	0.00	2.78	2.00	0.00	0.00	0.01	0.00
2.79	2.00	0.00	0.00	0.01	0.00	2.80	2.00	0.00	0.00	0.01	0.00
2.81	2.00	0.00	0.00	0.01	0.00	2.82	2.00	0.00	0.00	0.01	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}
2.83	2.00	0.00	0.00	0.01	0.00	2.84	2.00	0.00	0.00	0.01	0.00
2.85	2.00	0.00	0.00	0.01	0.00	2.86	2.00	0.00	0.00	0.01	0.00
2.87	2.00	0.00	0.00	0.01	0.00	2.88	2.00	0.00	0.00	0.01	0.00
2.89	2.00	0.00	0.00	0.01	0.00	2.90	2.00	0.00	0.00	0.01	0.00
2.91	2.00	0.00	0.00	0.01	0.00	2.92	2.00	0.00	0.00	0.01	0.00
2.93	2.00	0.00	0.00	0.01	0.00	2.94	2.00	0.00	0.00	0.01	0.00
2.95	2.00	0.00	0.00	0.01	0.00	2.96	2.00	0.00	0.00	0.01	0.00
2.97	2.00	0.00	0.00	0.01	0.00	2.98	2.00	0.00	0.00	0.01	0.00
2.99	2.00	0.00	0.00	0.01	0.00	3.00	2.00	0.00	0.00	0.01	0.00
3.01	2.00	0.00	0.00	0.01	0.00	3.02	2.00	0.00	0.00	0.01	0.00
3.03	2.00	0.00	0.00	0.01	0.00	3.04	2.00	0.00	0.00	0.01	0.00
3.05	2.00	0.00	0.00	0.01	0.00	3.06	2.00	0.00	0.00	0.01	0.00
3.07	2.00	0.00	0.00	0.01	0.00	3.08	2.00	0.00	0.00	0.01	0.00
3.09	2.00	0.00	0.00	0.01	0.00	3.10	2.00	0.00	0.00	0.01	0.00
3.11	2.00	0.00	0.00	0.01	0.00	3.12	2.00	0.00	0.00	0.01	0.00
3.13	2.00	0.00	0.00	0.01	0.00	3.14	2.00	0.00	0.00	0.01	0.00
3.15	2.00	0.00	0.00	0.01	0.00	3.16	2.00	0.00	0.00	0.01	0.00
3.17	2.00	0.00	0.00	0.01	0.00	3.18	2.00	0.00	0.00	0.01	0.00
3.19	2.00	0.00	0.00	0.01	0.00	3.20	2.00	0.00	0.00	0.01	0.00
3.21	2.00	0.00	0.00	0.01	0.00	3.22	2.00	0.00	0.00	0.01	0.00
3.23	2.00	0.00	0.00	0.01	0.00	3.24	2.00	0.00	0.00	0.01	0.00
3.25	2.00	0.00	0.00	0.01	0.00	3.26	2.00	0.00	0.00	0.01	0.00
3.27	2.00	0.00	0.00	0.01	0.00	3.28	2.00	0.00	0.00	0.01	0.00
3.29	2.00	0.00	0.00	0.01	0.00	3.30	2.00	0.00	0.00	0.01	0.00
3.31	2.00	0.00	0.00	0.01	0.00	3.32	2.00	0.00	0.00	0.01	0.00
3.33	2.00	0.00	0.00	0.01	0.00	3.34	2.00	0.00	0.00	0.01	0.00
3.35	2.00	0.00	0.00	0.01	0.00	3.36	2.00	0.00	0.00	0.01	0.00
3.37	2.00	0.00	0.00	0.01	0.00	3.38	2.00	0.00	0.00	0.01	0.00
3.39	2.00	0.00	0.00	0.01	0.00	3.40	2.00	0.00	0.00	0.01	0.00
3.41	2.00	0.00	0.00	0.01	0.00	3.42	2.00	0.00	0.00	0.01	0.00
3.43	2.00	0.00	0.00	0.01	0.00	3.44	2.00	0.00	0.00	0.01	0.00
3.45	2.00	0.00	0.00	0.01	0.00	3.46	2.00	0.00	0.00	0.01	0.00
3.47	2.00	0.00	0.00	0.01	0.00	3.48	2.00	0.00	0.00	0.01	0.00
3.49	2.00	0.00	0.00	0.01	0.00	3.50	2.00	0.00	0.00	0.01	0.00
3.51	2.00	0.00	0.00	0.01	0.00	3.52	2.00	0.00	0.00	0.01	0.00
3.53	2.00	0.00	0.00	0.01	0.00	3.54	2.00	0.00	0.00	0.01	0.00
3.55	2.00	0.00	0.00	0.01	0.00	3.56	2.00	0.00	0.00	0.01	0.00
3.57	2.00	0.00	0.00	0.01	0.00	3.58	2.00	0.00	0.00	0.01	0.00
3.59	2.00	0.00	0.00	0.01	0.00	3.60	2.00	0.00	0.00	0.01	0.00
3.61	2.00	0.00	0.00	0.01	0.00	3.62	2.00	0.00	0.00	0.01	0.00
3.63	2.00	0.00	0.00	0.01	0.00	3.64	2.00	0.00	0.00	0.01	0.00
3.65	2.00	0.00	0.00	0.01	0.00	3.66	2.00	0.00	0.00	0.01	0.00
3.67	2.00	0.00	0.00	0.01	0.00	3.68	2.00	0.00	0.00	0.01	0.00
3.69	2.00	0.00	0.00	0.01	0.00	3.70	2.00	0.00	0.00	0.01	0.00
3.71	2.00	0.00	0.00	0.01	0.00	3.72	2.00	0.00	0.00	0.01	0.00
3.73	2.00	0.00	0.00	0.01	0.00	3.74	2.00	0.00	0.00	0.01	0.00
3.75	2.00	0.00	0.00	0.01	0.00	3.76	2.00	0.00	0.00	0.01	0.00
3.77	2.00	0.00	0.00	0.01	0.00	3.78	2.00	0.00	0.00	0.01	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}
3.79	2.00	0.00	0.00	0.01	0.00	3.80	2.00	0.00	0.00	0.01	0.00
3.81	2.00	0.00	0.00	0.01	0.00	3.82	2.00	0.00	0.00	0.01	0.00
3.83	2.00	0.00	0.00	0.01	0.00	3.84	2.00	0.00	0.00	0.01	0.00
3.85	2.00	0.00	0.00	0.01	0.00	3.86	2.00	0.00	0.00	0.01	0.00
3.87	2.00	0.00	0.00	0.01	0.00	3.88	2.00	0.00	0.00	0.01	0.00
3.89	2.00	0.00	0.00	0.01	0.00	3.90	2.00	0.00	0.00	0.01	0.00
3.91	2.00	0.00	0.00	0.01	0.00	3.92	2.00	0.00	0.00	0.01	0.00
3.93	2.00	0.00	0.00	0.01	0.00	3.94	2.00	0.00	0.00	0.01	0.00
3.95	0.39	0.00	0.00	0.01	0.05	3.96	0.39	0.00	0.00	0.01	0.05
3.97	0.39	0.00	0.00	0.01	0.05	3.98	0.39	0.00	0.00	0.01	0.05
3.99	0.39	0.00	0.00	0.01	0.05	4.00	0.39	0.00	0.00	0.01	0.05
4.01	0.40	0.00	0.00	0.01	0.05	4.02	0.40	0.00	0.00	0.01	0.05
4.03	0.40	0.00	0.00	0.01	0.05	4.04	0.40	0.00	0.00	0.01	0.05
4.05	2.00	0.00	0.00	0.01	0.00	4.06	2.00	0.00	0.00	0.01	0.00
4.07	2.00	0.00	0.00	0.01	0.00	4.08	2.00	0.00	0.00	0.01	0.00
4.09	2.00	0.00	0.00	0.01	0.00	4.10	2.00	0.00	0.00	0.01	0.00
4.11	2.00	0.00	0.00	0.01	0.00	4.12	2.00	0.00	0.00	0.01	0.00
4.13	2.00	0.00	0.00	0.01	0.00	4.14	2.00	0.00	0.00	0.01	0.00
4.15	2.00	0.00	0.00	0.01	0.00	4.16	2.00	0.00	0.00	0.01	0.00
4.17	2.00	0.00	0.00	0.01	0.00	4.18	2.00	0.00	0.00	0.01	0.00
4.19	2.00	0.00	0.00	0.01	0.00	4.20	2.00	0.00	0.00	0.01	0.00
4.21	2.00	0.00	0.00	0.01	0.00	4.22	2.00	0.00	0.00	0.01	0.00
4.23	2.00	0.00	0.00	0.01	0.00	4.24	2.00	0.00	0.00	0.01	0.00
4.25	2.00	0.00	0.00	0.01	0.00	4.26	2.00	0.00	0.00	0.01	0.00
4.27	2.00	0.00	0.00	0.01	0.00	4.28	2.00	0.00	0.00	0.01	0.00
4.29	2.00	0.00	0.00	0.01	0.00	4.30	2.00	0.00	0.00	0.01	0.00
4.31	2.00	0.00	0.00	0.01	0.00	4.32	2.00	0.00	0.00	0.01	0.00
4.33	2.00	0.00	0.00	0.01	0.00	4.34	2.00	0.00	0.00	0.01	0.00
4.35	2.00	0.00	0.00	0.01	0.00	4.36	2.00	0.00	0.00	0.01	0.00
4.37	2.00	0.00	0.00	0.01	0.00	4.38	2.00	0.00	0.00	0.01	0.00
4.39	2.00	0.00	0.00	0.01	0.00	4.40	2.00	0.00	0.00	0.01	0.00
4.41	2.00	0.00	0.00	0.01	0.00	4.42	2.00	0.00	0.00	0.01	0.00
4.43	2.00	0.00	0.00	0.01	0.00	4.44	2.00	0.00	0.00	0.01	0.00
4.45	2.00	0.00	0.00	0.01	0.00	4.46	2.00	0.00	0.00	0.01	0.00
4.47	2.00	0.00	0.00	0.01	0.00	4.48	2.00	0.00	0.00	0.01	0.00
4.49	2.00	0.00	0.00	0.01	0.00	4.50	2.00	0.00	0.00	0.01	0.00
4.51	2.00	0.00	0.00	0.01	0.00	4.52	2.00	0.00	0.00	0.01	0.00
4.53	2.00	0.00	0.00	0.01	0.00	4.54	2.00	0.00	0.00	0.01	0.00
4.55	2.00	0.00	0.00	0.01	0.00	4.56	2.00	0.00	0.00	0.01	0.00
4.57	0.38	0.62	0.37	0.01	0.05	4.58	0.39	0.61	0.38	0.01	0.05
4.59	0.41	0.59	0.39	0.01	0.05	4.60	0.40	0.60	0.38	0.01	0.05
4.61	0.43	0.57	0.41	0.01	0.04	4.62	0.43	0.57	0.41	0.01	0.04
4.63	0.43	0.57	0.41	0.01	0.04	4.64	0.43	0.57	0.41	0.01	0.04
4.65	0.43	0.57	0.41	0.01	0.04	4.66	0.43	0.57	0.41	0.01	0.04
4.67	0.43	0.57	0.41	0.01	0.04	4.68	0.43	0.57	0.41	0.01	0.04
4.69	0.42	0.58	0.40	0.01	0.04	4.70	0.42	0.58	0.40	0.01	0.04
4.71	0.42	0.58	0.40	0.01	0.04	4.72	0.42	0.58	0.41	0.01	0.04
4.73	0.43	0.57	0.41	0.01	0.04	4.74	0.43	0.57	0.41	0.01	0.04

:: 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}
4.75	0.43	0.57	0.41	0.01	0.04	4.76	0.43	0.57	0.41	0.01	0.04
4.77	0.42	0.58	0.40	0.01	0.04	4.78	0.42	0.58	0.40	0.01	0.04
4.79	0.42	0.58	0.40	0.01	0.04	4.80	0.42	0.58	0.40	0.01	0.04
4.81	0.42	0.58	0.40	0.01	0.04	4.82	0.42	0.58	0.40	0.01	0.04
4.83	0.42	0.58	0.40	0.01	0.04	4.84	0.42	0.58	0.40	0.01	0.04
4.85	0.42	0.58	0.40	0.01	0.04	4.86	0.42	0.58	0.40	0.01	0.04
4.87	0.41	0.59	0.40	0.01	0.04	4.88	0.41	0.59	0.39	0.01	0.04
4.89	0.41	0.59	0.39	0.01	0.04	4.90	0.40	0.60	0.39	0.01	0.05
4.91	0.40	0.60	0.39	0.01	0.04	4.92	0.40	0.60	0.38	0.01	0.05
4.93	0.40	0.60	0.38	0.01	0.05	4.94	0.39	0.61	0.38	0.01	0.05
4.95	0.39	0.61	0.38	0.01	0.05	4.96	0.39	0.61	0.38	0.01	0.05
4.97	0.39	0.61	0.38	0.01	0.05	4.98	0.39	0.61	0.37	0.01	0.05
4.99	0.38	0.62	0.37	0.01	0.05	5.00	0.38	0.62	0.37	0.01	0.05
5.01	0.38	0.62	0.37	0.01	0.05	5.02	0.38	0.62	0.37	0.01	0.05
5.03	0.38	0.62	0.37	0.01	0.05	5.04	0.38	0.62	0.37	0.01	0.05
5.05	0.39	0.61	0.38	0.01	0.05	5.06	0.39	0.61	0.38	0.01	0.05
5.07	0.39	0.61	0.38	0.01	0.05	5.08	0.39	0.61	0.38	0.01	0.05
5.09	0.38	0.62	0.37	0.01	0.05	5.10	0.39	0.61	0.38	0.01	0.05
5.11	0.36	0.64	0.36	0.01	0.05	5.12	0.36	0.64	0.36	0.01	0.05
5.13	0.36	0.64	0.36	0.01	0.05	5.14	0.36	0.64	0.36	0.01	0.05
5.15	0.36	0.64	0.36	0.01	0.05	5.16	0.36	0.64	0.36	0.01	0.05
5.17	0.37	0.63	0.36	0.01	0.05	5.18	0.39	0.61	0.38	0.01	0.05
5.19	0.40	0.60	0.39	0.01	0.04	5.20	0.41	0.59	0.39	0.01	0.04
5.21	0.42	0.58	0.40	0.01	0.04	5.22	0.42	0.58	0.40	0.01	0.04
5.23	0.42	0.58	0.40	0.01	0.04	5.24	0.41	0.59	0.40	0.01	0.04
5.25	0.41	0.59	0.39	0.01	0.04	5.26	0.41	0.59	0.39	0.01	0.04
5.27	0.41	0.59	0.39	0.01	0.04	5.28	0.41	0.59	0.40	0.01	0.04
5.29	0.41	0.59	0.39	0.01	0.04	5.30	0.41	0.59	0.39	0.01	0.04
5.31	0.40	0.60	0.39	0.01	0.04	5.32	0.40	0.60	0.38	0.01	0.04
5.33	0.39	0.61	0.38	0.01	0.04	5.34	0.40	0.60	0.38	0.01	0.04
5.35	0.38	0.62	0.37	0.01	0.05	5.36	0.37	0.63	0.37	0.01	0.05
5.37	0.37	0.63	0.36	0.01	0.05	5.38	0.36	0.64	0.36	0.01	0.05
5.39	0.36	0.64	0.36	0.01	0.05	5.40	0.36	0.64	0.36	0.01	0.05
5.41	2.00	0.00	0.00	0.01	0.00	5.42	2.00	0.00	0.00	0.01	0.00
5.43	2.00	0.00	0.00	0.01	0.00	5.44	2.00	0.00	0.00	0.01	0.00
5.45	2.00	0.00	0.00	0.01	0.00	5.46	2.00	0.00	0.00	0.01	0.00
5.47	2.00	0.00	0.00	0.01	0.00	5.48	2.00	0.00	0.00	0.01	0.00
5.49	2.00	0.00	0.00	0.01	0.00	5.50	2.00	0.00	0.00	0.01	0.00
5.51	2.00	0.00	0.00	0.01	0.00	5.52	2.00	0.00	0.00	0.01	0.00
5.53	2.00	0.00	0.00	0.01	0.00	5.54	2.00	0.00	0.00	0.01	0.00
5.55	2.00	0.00	0.00	0.01	0.00	5.56	2.00	0.00	0.00	0.01	0.00
5.57	2.00	0.00	0.00	0.01	0.00	5.58	2.00	0.00	0.00	0.01	0.00
5.59	2.00	0.00	0.00	0.01	0.00	5.60	2.00	0.00	0.00	0.01	0.00
5.61	2.00	0.00	0.00	0.01	0.00	5.62	2.00	0.00	0.00	0.01	0.00
5.63	2.00	0.00	0.00	0.01	0.00	5.64	2.00	0.00	0.00	0.01	0.00
5.65	2.00	0.00	0.00	0.01	0.00	5.66	2.00	0.00	0.00	0.01	0.00
5.67	2.00	0.00	0.00	0.01	0.00	5.68	2.00	0.00	0.00	0.01	0.00
5.69	2.00	0.00	0.00	0.01	0.00	5.70	2.00	0.00	0.00	0.01	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}
5.71	2.00	0.00	0.00	0.01	0.00	5.72	2.00	0.00	0.00	0.01	0.00
5.73	2.00	0.00	0.00	0.01	0.00	5.74	2.00	0.00	0.00	0.01	0.00
5.75	2.00	0.00	0.00	0.01	0.00	5.76	2.00	0.00	0.00	0.01	0.00
5.77	2.00	0.00	0.00	0.01	0.00	5.78	2.00	0.00	0.00	0.01	0.00
5.79	2.00	0.00	0.00	0.01	0.00	5.80	2.00	0.00	0.00	0.01	0.00
5.81	2.00	0.00	0.00	0.01	0.00	5.82	2.00	0.00	0.00	0.01	0.00
5.83	2.00	0.00	0.00	0.01	0.00	5.84	2.00	0.00	0.00	0.01	0.00
5.85	2.00	0.00	0.00	0.01	0.00	5.86	2.00	0.00	0.00	0.01	0.00
5.87	2.00	0.00	0.00	0.01	0.00	5.88	2.00	0.00	0.00	0.01	0.00
5.89	2.00	0.00	0.00	0.01	0.00	5.90	2.00	0.00	0.00	0.01	0.00
5.91	2.00	0.00	0.00	0.01	0.00	5.92	2.00	0.00	0.00	0.01	0.00
5.93	2.00	0.00	0.00	0.01	0.00	5.94	2.00	0.00	0.00	0.01	0.00
5.95	2.00	0.00	0.00	0.01	0.00	5.96	2.00	0.00	0.00	0.01	0.00
5.97	2.00	0.00	0.00	0.01	0.00	5.98	2.00	0.00	0.00	0.01	0.00
5.99	2.00	0.00	0.00	0.01	0.00	6.00	2.00	0.00	0.00	0.01	0.00
6.01	2.00	0.00	0.00	0.01	0.00	6.02	2.00	0.00	0.00	0.01	0.00
6.03	2.00	0.00	0.00	0.01	0.00	6.04	2.00	0.00	0.00	0.01	0.00
6.05	2.00	0.00	0.00	0.01	0.00	6.06	2.00	0.00	0.00	0.01	0.00
6.07	2.00	0.00	0.00	0.01	0.00	6.08	2.00	0.00	0.00	0.01	0.00
6.09	2.00	0.00	0.00	0.01	0.00	6.10	2.00	0.00	0.00	0.01	0.00
6.11	2.00	0.00	0.00	0.01	0.00	6.12	2.00	0.00	0.00	0.01	0.00
6.13	2.00	0.00	0.00	0.01	0.00	6.14	2.00	0.00	0.00	0.01	0.00
6.15	2.00	0.00	0.00	0.01	0.00	6.16	2.00	0.00	0.00	0.01	0.00
6.17	2.00	0.00	0.00	0.01	0.00	6.18	2.00	0.00	0.00	0.01	0.00
6.19	2.00	0.00	0.00	0.01	0.00	6.20	2.00	0.00	0.00	0.01	0.00
6.21	2.00	0.00	0.00	0.01	0.00	6.22	2.00	0.00	0.00	0.01	0.00
6.23	2.00	0.00	0.00	0.01	0.00	6.24	2.00	0.00	0.00	0.01	0.00
6.25	2.00	0.00	0.00	0.01	0.00	6.26	2.00	0.00	0.00	0.01	0.00
6.27	2.00	0.00	0.00	0.01	0.00	6.28	2.00	0.00	0.00	0.01	0.00
6.29	2.00	0.00	0.00	0.01	0.00	6.30	2.00	0.00	0.00	0.01	0.00
6.31	2.00	0.00	0.00	0.01	0.00	6.32	2.00	0.00	0.00	0.01	0.00
6.33	2.00	0.00	0.00	0.01	0.00	6.34	2.00	0.00	0.00	0.01	0.00
6.35	2.00	0.00	0.00	0.01	0.00	6.36	2.00	0.00	0.00	0.01	0.00
6.37	2.00	0.00	0.00	0.01	0.00	6.38	2.00	0.00	0.00	0.01	0.00
6.39	2.00	0.00	0.00	0.01	0.00	6.40	2.00	0.00	0.00	0.01	0.00
6.41	2.00	0.00	0.00	0.01	0.00	6.42	2.00	0.00	0.00	0.01	0.00
6.43	2.00	0.00	0.00	0.01	0.00	6.44	2.00	0.00	0.00	0.01	0.00
6.45	2.00	0.00	0.00	0.01	0.00	6.46	2.00	0.00	0.00	0.01	0.00
6.47	2.00	0.00	0.00	0.01	0.00	6.48	2.00	0.00	0.00	0.01	0.00
6.49	2.00	0.00	0.00	0.01	0.00	6.50	2.00	0.00	0.00	0.01	0.00
6.51	2.00	0.00	0.00	0.01	0.00	6.52	2.00	0.00	0.00	0.01	0.00
6.53	2.00	0.00	0.00	0.01	0.00	6.54	2.00	0.00	0.00	0.01	0.00
6.55	2.00	0.00	0.00	0.01	0.00	6.56	2.00	0.00	0.00	0.01	0.00
6.57	0.32	0.68	0.34	0.01	0.05	6.58	0.32	0.68	0.33	0.01	0.05
6.59	0.34	0.66	0.34	0.01	0.04	6.60	0.34	0.66	0.35	0.01	0.04
6.61	0.34	0.66	0.35	0.01	0.04	6.62	0.34	0.66	0.35	0.01	0.04
6.63	0.34	0.66	0.34	0.01	0.04	6.64	0.34	0.66	0.34	0.01	0.04
6.65	0.33	0.67	0.34	0.01	0.04	6.66	2.00	0.00	0.00	0.01	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}
6.67	2.00	0.00	0.00	0.01	0.00	6.68	2.00	0.00	0.00	0.01	0.00
6.69	2.00	0.00	0.00	0.01	0.00	6.70	2.00	0.00	0.00	0.01	0.00
6.71	2.00	0.00	0.00	0.01	0.00	6.72	2.00	0.00	0.00	0.01	0.00
6.73	2.00	0.00	0.00	0.01	0.00	6.74	2.00	0.00	0.00	0.01	0.00
6.75	2.00	0.00	0.00	0.01	0.00	6.76	2.00	0.00	0.00	0.01	0.00
6.77	2.00	0.00	0.00	0.01	0.00	6.78	2.00	0.00	0.00	0.01	0.00
6.79	2.00	0.00	0.00	0.01	0.00	6.80	2.00	0.00	0.00	0.01	0.00
6.81	2.00	0.00	0.00	0.01	0.00	6.82	2.00	0.00	0.00	0.01	0.00
6.83	2.00	0.00	0.00	0.01	0.00	6.84	2.00	0.00	0.00	0.01	0.00
6.85	2.00	0.00	0.00	0.01	0.00	6.86	2.00	0.00	0.00	0.01	0.00
6.87	2.00	0.00	0.00	0.01	0.00	6.88	2.00	0.00	0.00	0.01	0.00
6.89	2.00	0.00	0.00	0.01	0.00	6.90	2.00	0.00	0.00	0.01	0.00
6.91	2.00	0.00	0.00	0.01	0.00	6.92	2.00	0.00	0.00	0.01	0.00
6.93	2.00	0.00	0.00	0.01	0.00	6.94	2.00	0.00	0.00	0.01	0.00
6.95	2.00	0.00	0.00	0.01	0.00	6.96	2.00	0.00	0.00	0.01	0.00
6.97	2.00	0.00	0.00	0.01	0.00	6.98	2.00	0.00	0.00	0.01	0.00
6.99	2.00	0.00	0.00	0.01	0.00	7.00	2.00	0.00	0.00	0.01	0.00
7.01	2.00	0.00	0.00	0.01	0.00	7.02	2.00	0.00	0.00	0.01	0.00
7.03	2.00	0.00	0.00	0.01	0.00	7.04	2.00	0.00	0.00	0.01	0.00
7.05	2.00	0.00	0.00	0.01	0.00	7.06	2.00	0.00	0.00	0.01	0.00
7.07	2.00	0.00	0.00	0.01	0.00	7.08	2.00	0.00	0.00	0.01	0.00
7.09	2.00	0.00	0.00	0.01	0.00	7.10	2.00	0.00	0.00	0.01	0.00
7.11	2.00	0.00	0.00	0.01	0.00	7.12	0.34	0.66	0.34	0.01	0.04
7.13	0.34	0.66	0.34	0.01	0.04	7.14	2.00	0.00	0.00	0.01	0.00
7.15	2.00	0.00	0.00	0.01	0.00	7.16	2.00	0.00	0.00	0.01	0.00
7.17	2.00	0.00	0.00	0.01	0.00	7.18	2.00	0.00	0.00	0.01	0.00
7.19	2.00	0.00	0.00	0.01	0.00	7.20	2.00	0.00	0.00	0.01	0.00
7.21	2.00	0.00	0.00	0.01	0.00	7.22	2.00	0.00	0.00	0.01	0.00
7.23	2.00	0.00	0.00	0.01	0.00	7.24	2.00	0.00	0.00	0.01	0.00
7.25	2.00	0.00	0.00	0.01	0.00	7.26	2.00	0.00	0.00	0.01	0.00
7.27	2.00	0.00	0.00	0.01	0.00	7.28	2.00	0.00	0.00	0.01	0.00
7.29	2.00	0.00	0.00	0.01	0.00	7.30	2.00	0.00	0.00	0.01	0.00
7.31	2.00	0.00	0.00	0.01	0.00	7.32	2.00	0.00	0.00	0.01	0.00
7.33	2.00	0.00	0.00	0.01	0.00	7.34	2.00	0.00	0.00	0.01	0.00
7.35	2.00	0.00	0.00	0.01	0.00	7.36	2.00	0.00	0.00	0.01	0.00
7.37	2.00	0.00	0.00	0.01	0.00	7.38	2.00	0.00	0.00	0.01	0.00
7.39	2.00	0.00	0.00	0.01	0.00	7.40	2.00	0.00	0.00	0.01	0.00
7.41	2.00	0.00	0.00	0.01	0.00	7.42	2.00	0.00	0.00	0.01	0.00
7.43	2.00	0.00	0.00	0.01	0.00	7.44	2.00	0.00	0.00	0.01	0.00
7.45	2.00	0.00	0.00	0.01	0.00	7.46	2.00	0.00	0.00	0.01	0.00
7.47	2.00	0.00	0.00	0.01	0.00	7.48	2.00	0.00	0.00	0.01	0.00
7.49	2.00	0.00	0.00	0.01	0.00	7.50	2.00	0.00	0.00	0.01	0.00
7.51	2.00	0.00	0.00	0.01	0.00	7.52	2.00	0.00	0.00	0.01	0.00
7.53	2.00	0.00	0.00	0.01	0.00	7.54	2.00	0.00	0.00	0.01	0.00
7.55	2.00	0.00	0.00	0.01	0.00	7.56	2.00	0.00	0.00	0.01	0.00
7.57	2.00	0.00	0.00	0.01	0.00	7.58	2.00	0.00	0.00	0.01	0.00
7.59	2.00	0.00	0.00	0.01	0.00	7.60	2.00	0.00	0.00	0.01	0.00
7.61	2.00	0.00	0.00	0.01	0.00	7.62	2.00	0.00	0.00	0.01	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}
7.63	2.00	0.00	0.00	0.01	0.00	7.64	2.00	0.00	0.00	0.01	0.00
7.65	2.00	0.00	0.00	0.01	0.00	7.66	2.00	0.00	0.00	0.01	0.00
7.67	2.00	0.00	0.00	0.01	0.00	7.68	2.00	0.00	0.00	0.01	0.00
7.69	2.00	0.00	0.00	0.01	0.00	7.70	2.00	0.00	0.00	0.01	0.00
7.71	2.00	0.00	0.00	0.01	0.00	7.72	2.00	0.00	0.00	0.01	0.00
7.73	2.00	0.00	0.00	0.01	0.00	7.74	2.00	0.00	0.00	0.01	0.00
7.75	2.00	0.00	0.00	0.01	0.00	7.76	2.00	0.00	0.00	0.01	0.00
7.77	2.00	0.00	0.00	0.01	0.00	7.78	2.00	0.00	0.00	0.01	0.00
7.79	2.00	0.00	0.00	0.01	0.00	7.80	2.00	0.00	0.00	0.01	0.00
7.81	2.00	0.00	0.00	0.01	0.00	7.82	2.00	0.00	0.00	0.01	0.00
7.83	2.00	0.00	0.00	0.01	0.00	7.84	2.00	0.00	0.00	0.01	0.00
7.85	2.00	0.00	0.00	0.01	0.00	7.86	2.00	0.00	0.00	0.01	0.00
7.87	2.00	0.00	0.00	0.01	0.00	7.88	2.00	0.00	0.00	0.01	0.00
7.89	2.00	0.00	0.00	0.01	0.00	7.90	2.00	0.00	0.00	0.01	0.00
7.91	2.00	0.00	0.00	0.01	0.00	7.92	2.00	0.00	0.00	0.01	0.00
7.93	2.00	0.00	0.00	0.01	0.00	7.94	2.00	0.00	0.00	0.01	0.00
7.95	2.00	0.00	0.00	0.01	0.00	7.96	2.00	0.00	0.00	0.01	0.00
7.97	2.00	0.00	0.00	0.01	0.00	7.98	2.00	0.00	0.00	0.01	0.00
7.99	2.00	0.00	0.00	0.01	0.00	8.00	2.00	0.00	0.00	0.01	0.00
8.01	2.00	0.00	0.00	0.01	0.00	8.02	2.00	0.00	0.00	0.01	0.00
8.03	2.00	0.00	0.00	0.01	0.00	8.04	2.00	0.00	0.00	0.01	0.00
8.05	2.00	0.00	0.00	0.01	0.00	8.06	2.00	0.00	0.00	0.01	0.00
8.07	2.00	0.00	0.00	0.01	0.00	8.08	2.00	0.00	0.00	0.01	0.00
8.09	2.00	0.00	0.00	0.01	0.00	8.10	2.00	0.00	0.00	0.01	0.00
8.11	2.00	0.00	0.00	0.01	0.00	8.12	2.00	0.00	0.00	0.01	0.00
8.13	2.00	0.00	0.00	0.01	0.00	8.14	2.00	0.00	0.00	0.01	0.00
8.15	2.00	0.00	0.00	0.01	0.00	8.16	2.00	0.00	0.00	0.01	0.00
8.17	2.00	0.00	0.00	0.01	0.00	8.18	2.00	0.00	0.00	0.01	0.00
8.19	2.00	0.00	0.00	0.01	0.00	8.20	0.33	0.67	0.34	0.01	0.04
8.21	0.34	0.66	0.34	0.01	0.04	8.22	0.35	0.65	0.35	0.01	0.04
8.23	0.36	0.64	0.36	0.01	0.04	8.24	0.36	0.64	0.36	0.01	0.04
8.25	0.36	0.64	0.36	0.01	0.04	8.26	0.35	0.65	0.35	0.01	0.04
8.27	0.35	0.65	0.35	0.01	0.04	8.28	0.35	0.65	0.35	0.01	0.04
8.29	0.35	0.65	0.35	0.01	0.04	8.30	0.35	0.65	0.35	0.01	0.04
8.31	0.35	0.65	0.35	0.01	0.04	8.32	0.36	0.64	0.36	0.01	0.04
8.33	0.36	0.64	0.36	0.01	0.04	8.34	0.36	0.64	0.36	0.01	0.04
8.35	0.36	0.64	0.36	0.01	0.04	8.36	0.35	0.65	0.35	0.01	0.04
8.37	0.35	0.65	0.35	0.01	0.04	8.38	0.34	0.66	0.35	0.01	0.04
8.39	0.35	0.65	0.35	0.01	0.04	8.40	0.35	0.65	0.35	0.01	0.04
8.41	0.35	0.65	0.35	0.01	0.04	8.42	0.34	0.66	0.35	0.01	0.04
8.43	0.34	0.66	0.35	0.01	0.04	8.44	2.00	0.00	0.00	0.01	0.00
8.45	2.00	0.00	0.00	0.01	0.00	8.46	2.00	0.00	0.00	0.01	0.00
8.47	2.00	0.00	0.00	0.01	0.00	8.48	2.00	0.00	0.00	0.01	0.00
8.49	2.00	0.00	0.00	0.01	0.00	8.50	2.00	0.00	0.00	0.01	0.00
8.51	2.00	0.00	0.00	0.01	0.00	8.52	2.00	0.00	0.00	0.01	0.00
8.53	2.00	0.00	0.00	0.01	0.00	8.54	2.00	0.00	0.00	0.01	0.00
8.55	2.00	0.00	0.00	0.01	0.00	8.56	0.36	0.64	0.36	0.01	0.04
8.57	0.36	0.64	0.36	0.01	0.04	8.58	0.37	0.63	0.36	0.01	0.04

:: 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}
8.59	0.36	0.64	0.36	0.01	0.04	8.60	0.37	0.63	0.36	0.01	0.04
8.61	0.37	0.63	0.36	0.01	0.04	8.62	0.36	0.64	0.36	0.01	0.04
8.63	0.36	0.64	0.36	0.01	0.04	8.64	0.35	0.65	0.35	0.01	0.04
8.65	0.34	0.66	0.35	0.01	0.04	8.66	0.35	0.65	0.35	0.01	0.04
8.67	2.00	0.00	0.00	0.01	0.00	8.68	2.00	0.00	0.00	0.01	0.00
8.69	2.00	0.00	0.00	0.01	0.00	8.70	2.00	0.00	0.00	0.01	0.00
8.71	2.00	0.00	0.00	0.01	0.00	8.72	2.00	0.00	0.00	0.01	0.00
8.73	2.00	0.00	0.00	0.01	0.00	8.74	2.00	0.00	0.00	0.01	0.00
8.75	2.00	0.00	0.00	0.01	0.00	8.76	2.00	0.00	0.00	0.01	0.00
8.77	2.00	0.00	0.00	0.01	0.00	8.78	2.00	0.00	0.00	0.01	0.00
8.79	2.00	0.00	0.00	0.01	0.00	8.80	2.00	0.00	0.00	0.01	0.00
8.81	2.00	0.00	0.00	0.01	0.00	8.82	2.00	0.00	0.00	0.01	0.00
8.83	2.00	0.00	0.00	0.01	0.00	8.84	2.00	0.00	0.00	0.01	0.00
8.85	2.00	0.00	0.00	0.01	0.00	8.86	2.00	0.00	0.00	0.01	0.00
8.87	2.00	0.00	0.00	0.01	0.00	8.88	2.00	0.00	0.00	0.01	0.00
8.89	2.00	0.00	0.00	0.01	0.00	8.90	2.00	0.00	0.00	0.01	0.00
8.91	2.00	0.00	0.00	0.01	0.00	8.92	2.00	0.00	0.00	0.01	0.00
8.93	2.00	0.00	0.00	0.01	0.00	8.94	2.00	0.00	0.00	0.01	0.00
8.95	2.00	0.00	0.00	0.01	0.00	8.96	2.00	0.00	0.00	0.01	0.00
8.97	2.00	0.00	0.00	0.01	0.00	8.98	2.00	0.00	0.00	0.01	0.00
8.99	2.00	0.00	0.00	0.01	0.00	9.00	2.00	0.00	0.00	0.01	0.00
9.01	2.00	0.00	0.00	0.01	0.00	9.02	2.00	0.00	0.00	0.01	0.00
9.03	2.00	0.00	0.00	0.01	0.00	9.04	2.00	0.00	0.00	0.01	0.00
9.05	0.36	0.64	0.36	0.01	0.04	9.06	0.36	0.64	0.36	0.01	0.03
9.07	0.37	0.63	0.37	0.01	0.03	9.08	0.38	0.62	0.37	0.01	0.03
9.09	0.37	0.63	0.37	0.01	0.03	9.10	0.38	0.62	0.37	0.01	0.03
9.11	0.37	0.63	0.36	0.01	0.03	9.12	0.37	0.63	0.36	0.01	0.03
9.13	0.37	0.63	0.36	0.01	0.03	9.14	0.36	0.64	0.36	0.01	0.03
9.15	0.36	0.64	0.36	0.01	0.03	9.16	0.36	0.64	0.36	0.01	0.03
9.17	2.00	0.00	0.00	0.01	0.00	9.18	2.00	0.00	0.00	0.01	0.00
9.19	2.00	0.00	0.00	0.01	0.00	9.20	2.00	0.00	0.00	0.01	0.00
9.21	2.00	0.00	0.00	0.01	0.00	9.22	2.00	0.00	0.00	0.01	0.00
9.23	2.00	0.00	0.00	0.01	0.00	9.24	2.00	0.00	0.00	0.01	0.00
9.25	2.00	0.00	0.00	0.01	0.00	9.26	2.00	0.00	0.00	0.01	0.00
9.27	2.00	0.00	0.00	0.01	0.00	9.28	2.00	0.00	0.00	0.01	0.00
9.29	2.00	0.00	0.00	0.01	0.00	9.30	2.00	0.00	0.00	0.01	0.00
9.31	2.00	0.00	0.00	0.01	0.00	9.32	2.00	0.00	0.00	0.01	0.00
9.33	2.00	0.00	0.00	0.01	0.00	9.34	2.00	0.00	0.00	0.01	0.00
9.35	2.00	0.00	0.00	0.01	0.00	9.36	2.00	0.00	0.00	0.01	0.00
9.37	2.00	0.00	0.00	0.01	0.00	9.38	2.00	0.00	0.00	0.01	0.00
9.39	2.00	0.00	0.00	0.01	0.00	9.40	2.00	0.00	0.00	0.01	0.00
9.41	2.00	0.00	0.00	0.01	0.00	9.42	2.00	0.00	0.00	0.01	0.00
9.43	2.00	0.00	0.00	0.01	0.00	9.44	2.00	0.00	0.00	0.01	0.00
9.45	2.00	0.00	0.00	0.01	0.00	9.46	2.00	0.00	0.00	0.01	0.00
9.47	2.00	0.00	0.00	0.01	0.00	9.48	2.00	0.00	0.00	0.01	0.00
9.49	2.00	0.00	0.00	0.01	0.00	9.50	2.00	0.00	0.00	0.01	0.00
9.51	2.00	0.00	0.00	0.01	0.00	9.52	2.00	0.00	0.00	0.01	0.00
9.53	2.00	0.00	0.00	0.01	0.00	9.54	2.00	0.00	0.00	0.01	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}
9.55	2.00	0.00	0.00	0.01	0.00	9.56	2.00	0.00	0.00	0.01	0.00
9.57	2.00	0.00	0.00	0.01	0.00	9.58	2.00	0.00	0.00	0.01	0.00
9.59	2.00	0.00	0.00	0.01	0.00	9.60	2.00	0.00	0.00	0.01	0.00
9.61	2.00	0.00	0.00	0.01	0.00	9.62	2.00	0.00	0.00	0.01	0.00
9.63	2.00	0.00	0.00	0.01	0.00	9.64	2.00	0.00	0.00	0.01	0.00
9.65	2.00	0.00	0.00	0.01	0.00	9.66	2.00	0.00	0.00	0.01	0.00
9.67	2.00	0.00	0.00	0.01	0.00	9.68	2.00	0.00	0.00	0.01	0.00
9.69	2.00	0.00	0.00	0.01	0.00	9.70	2.00	0.00	0.00	0.01	0.00
9.71	2.00	0.00	0.00	0.01	0.00	9.72	2.00	0.00	0.00	0.01	0.00
9.73	2.00	0.00	0.00	0.01	0.00	9.74	2.00	0.00	0.00	0.01	0.00
9.75	2.00	0.00	0.00	0.01	0.00	9.76	2.00	0.00	0.00	0.01	0.00
9.77	2.00	0.00	0.00	0.01	0.00	9.78	2.00	0.00	0.00	0.01	0.00
9.79	2.00	0.00	0.00	0.01	0.00	9.80	2.00	0.00	0.00	0.01	0.00
9.81	2.00	0.00	0.00	0.01	0.00	9.82	2.00	0.00	0.00	0.01	0.00
9.83	2.00	0.00	0.00	0.01	0.00	9.84	2.00	0.00	0.00	0.01	0.00
9.85	2.00	0.00	0.00	0.01	0.00	9.86	2.00	0.00	0.00	0.01	0.00
9.87	2.00	0.00	0.00	0.01	0.00	9.88	2.00	0.00	0.00	0.01	0.00
9.89	2.00	0.00	0.00	0.01	0.00	9.90	2.00	0.00	0.00	0.01	0.00
9.91	2.00	0.00	0.00	0.01	0.00	9.92	2.00	0.00	0.00	0.01	0.00
9.93	2.00	0.00	0.00	0.01	0.00	9.94	2.00	0.00	0.00	0.01	0.00
9.95	2.00	0.00	0.00	0.01	0.00	9.96	2.00	0.00	0.00	0.01	0.00
9.97	2.00	0.00	0.00	0.01	0.00	9.98	2.00	0.00	0.00	0.01	0.00
9.99	2.00	0.00	0.00	0.01	0.00	10.00	2.00	0.00	0.00	0.01	0.00
10.01	2.00	0.00	0.00	0.01	0.00	10.02	2.00	0.00	0.00	0.01	0.00
10.03	2.00	0.00	0.00	0.01	0.00	10.04	2.00	0.00	0.00	0.01	0.00
10.05	2.00	0.00	0.00	0.01	0.00	10.06	2.00	0.00	0.00	0.01	0.00
10.07	2.00	0.00	0.00	0.01	0.00	10.08	2.00	0.00	0.00	0.01	0.00
10.09	2.00	0.00	0.00	0.01	0.00	10.10	2.00	0.00	0.00	0.01	0.00
10.11	2.00	0.00	0.00	0.01	0.00	10.12	2.00	0.00	0.00	0.01	0.00
10.13	2.00	0.00	0.00	0.01	0.00	10.14	2.00	0.00	0.00	0.01	0.00
10.15	2.00	0.00	0.00	0.01	0.00	10.16	2.00	0.00	0.00	0.01	0.00
10.17	2.00	0.00	0.00	0.01	0.00	10.18	2.00	0.00	0.00	0.01	0.00
10.19	2.00	0.00	0.00	0.01	0.00	10.20	2.00	0.00	0.00	0.01	0.00
10.21	2.00	0.00	0.00	0.01	0.00	10.22	2.00	0.00	0.00	0.01	0.00
10.23	2.00	0.00	0.00	0.01	0.00	10.24	2.00	0.00	0.00	0.01	0.00
10.25	2.00	0.00	0.00	0.01	0.00	10.26	2.00	0.00	0.00	0.01	0.00
10.27	2.00	0.00	0.00	0.01	0.00	10.28	2.00	0.00	0.00	0.01	0.00
10.29	2.00	0.00	0.00	0.01	0.00	10.30	2.00	0.00	0.00	0.01	0.00
10.31	2.00	0.00	0.00	0.01	0.00	10.32	2.00	0.00	0.00	0.01	0.00
10.33	2.00	0.00	0.00	0.01	0.00	10.34	2.00	0.00	0.00	0.01	0.00
10.35	2.00	0.00	0.00	0.01	0.00	10.36	2.00	0.00	0.00	0.01	0.00
10.37	2.00	0.00	0.00	0.01	0.00	10.38	2.00	0.00	0.00	0.01	0.00
10.39	2.00	0.00	0.00	0.01	0.00	10.40	2.00	0.00	0.00	0.01	0.00
10.41	2.00	0.00	0.00	0.01	0.00	10.42	2.00	0.00	0.00	0.01	0.00
10.43	2.00	0.00	0.00	0.01	0.00	10.44	2.00	0.00	0.00	0.01	0.00
10.45	2.00	0.00	0.00	0.01	0.00	10.46	2.00	0.00	0.00	0.01	0.00
10.47	2.00	0.00	0.00	0.01	0.00	10.48	2.00	0.00	0.00	0.01	0.00
10.49	2.00	0.00	0.00	0.01	0.00	10.50	2.00	0.00	0.00	0.01	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}
10.51	2.00	0.00	0.00	0.01	0.00	10.52	2.00	0.00	0.00	0.01	0.00
10.53	2.00	0.00	0.00	0.01	0.00	10.54	2.00	0.00	0.00	0.01	0.00
10.55	2.00	0.00	0.00	0.01	0.00	10.56	2.00	0.00	0.00	0.01	0.00
10.57	2.00	0.00	0.00	0.01	0.00	10.58	2.00	0.00	0.00	0.01	0.00
10.59	2.00	0.00	0.00	0.01	0.00	10.60	2.00	0.00	0.00	0.01	0.00
10.61	2.00	0.00	0.00	0.01	0.00	10.62	2.00	0.00	0.00	0.01	0.00
10.63	2.00	0.00	0.00	0.01	0.00	10.64	2.00	0.00	0.00	0.01	0.00
10.65	2.00	0.00	0.00	0.01	0.00	10.66	2.00	0.00	0.00	0.01	0.00
10.67	2.00	0.00	0.00	0.01	0.00	10.68	2.00	0.00	0.00	0.01	0.00
10.69	2.00	0.00	0.00	0.01	0.00	10.70	2.00	0.00	0.00	0.01	0.00
10.71	2.00	0.00	0.00	0.01	0.00	10.72	2.00	0.00	0.00	0.01	0.00
10.73	2.00	0.00	0.00	0.01	0.00	10.74	2.00	0.00	0.00	0.01	0.00
10.75	2.00	0.00	0.00	0.01	0.00	10.76	2.00	0.00	0.00	0.01	0.00
10.77	2.00	0.00	0.00	0.01	0.00	10.78	2.00	0.00	0.00	0.01	0.00
10.79	2.00	0.00	0.00	0.01	0.00	10.80	2.00	0.00	0.00	0.01	0.00
10.81	2.00	0.00	0.00	0.01	0.00	10.82	2.00	0.00	0.00	0.01	0.00
10.83	2.00	0.00	0.00	0.01	0.00	10.84	2.00	0.00	0.00	0.01	0.00
10.85	2.00	0.00	0.00	0.01	0.00	10.86	2.00	0.00	0.00	0.01	0.00
10.87	2.00	0.00	0.00	0.01	0.00	10.88	2.00	0.00	0.00	0.01	0.00
10.89	2.00	0.00	0.00	0.01	0.00	10.90	2.00	0.00	0.00	0.01	0.00
10.91	2.00	0.00	0.00	0.01	0.00	10.92	2.00	0.00	0.00	0.01	0.00
10.93	2.00	0.00	0.00	0.01	0.00	10.94	2.00	0.00	0.00	0.01	0.00
10.95	2.00	0.00	0.00	0.01	0.00	10.96	2.00	0.00	0.00	0.01	0.00
10.97	2.00	0.00	0.00	0.01	0.00	10.98	2.00	0.00	0.00	0.01	0.00
10.99	2.00	0.00	0.00	0.01	0.00	11.00	2.00	0.00	0.00	0.01	0.00
11.01	2.00	0.00	0.00	0.01	0.00	11.02	2.00	0.00	0.00	0.01	0.00
11.03	2.00	0.00	0.00	0.01	0.00	11.04	2.00	0.00	0.00	0.01	0.00
11.05	2.00	0.00	0.00	0.01	0.00	11.06	2.00	0.00	0.00	0.01	0.00
11.07	2.00	0.00	0.00	0.01	0.00	11.08	2.00	0.00	0.00	0.01	0.00
11.09	2.00	0.00	0.00	0.01	0.00	11.10	2.00	0.00	0.00	0.01	0.00
11.11	2.00	0.00	0.00	0.01	0.00	11.12	2.00	0.00	0.00	0.01	0.00
11.13	2.00	0.00	0.00	0.01	0.00	11.14	2.00	0.00	0.00	0.01	0.00
11.15	2.00	0.00	0.00	0.01	0.00	11.16	2.00	0.00	0.00	0.01	0.00
11.17	2.00	0.00	0.00	0.01	0.00	11.18	2.00	0.00	0.00	0.01	0.00
11.19	2.00	0.00	0.00	0.01	0.00	11.20	2.00	0.00	0.00	0.01	0.00
11.21	2.00	0.00	0.00	0.01	0.00	11.22	2.00	0.00	0.00	0.01	0.00
11.23	2.00	0.00	0.00	0.01	0.00	11.24	2.00	0.00	0.00	0.01	0.00
11.25	2.00	0.00	0.00	0.01	0.00	11.26	2.00	0.00	0.00	0.01	0.00
11.27	2.00	0.00	0.00	0.01	0.00	11.28	2.00	0.00	0.00	0.01	0.00
11.29	2.00	0.00	0.00	0.01	0.00	11.30	2.00	0.00	0.00	0.01	0.00
11.31	2.00	0.00	0.00	0.01	0.00	11.32	2.00	0.00	0.00	0.01	0.00
11.33	2.00	0.00	0.00	0.01	0.00	11.34	2.00	0.00	0.00	0.01	0.00
11.35	2.00	0.00	0.00	0.01	0.00	11.36	2.00	0.00	0.00	0.01	0.00
11.37	2.00	0.00	0.00	0.01	0.00	11.38	2.00	0.00	0.00	0.01	0.00
11.39	2.00	0.00	0.00	0.01	0.00	11.40	2.00	0.00	0.00	0.01	0.00
11.41	2.00	0.00	0.00	0.01	0.00	11.42	2.00	0.00	0.00	0.01	0.00
11.43	2.00	0.00	0.00	0.01	0.00	11.44	2.00	0.00	0.00	0.01	0.00
11.45	2.00	0.00	0.00	0.01	0.00	11.46	2.00	0.00	0.00	0.01	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}
11.47	2.00	0.00	0.00	0.01	0.00	11.48	2.00	0.00	0.00	0.01	0.00
11.49	2.00	0.00	0.00	0.01	0.00	11.50	2.00	0.00	0.00	0.01	0.00
11.51	2.00	0.00	0.00	0.01	0.00	11.52	2.00	0.00	0.00	0.01	0.00
11.53	2.00	0.00	0.00	0.01	0.00	11.54	2.00	0.00	0.00	0.01	0.00
11.55	2.00	0.00	0.00	0.01	0.00	11.56	2.00	0.00	0.00	0.01	0.00
11.57	2.00	0.00	0.00	0.01	0.00	11.58	2.00	0.00	0.00	0.01	0.00
11.59	2.00	0.00	0.00	0.01	0.00	11.60	2.00	0.00	0.00	0.01	0.00
11.61	2.00	0.00	0.00	0.01	0.00	11.62	2.00	0.00	0.00	0.01	0.00
11.63	2.00	0.00	0.00	0.01	0.00	11.64	2.00	0.00	0.00	0.01	0.00
11.65	2.00	0.00	0.00	0.01	0.00	11.66	2.00	0.00	0.00	0.01	0.00
11.67	2.00	0.00	0.00	0.01	0.00	11.68	2.00	0.00	0.00	0.01	0.00
11.69	2.00	0.00	0.00	0.01	0.00	11.70	2.00	0.00	0.00	0.01	0.00
11.71	2.00	0.00	0.00	0.01	0.00	11.72	2.00	0.00	0.00	0.01	0.00
11.73	2.00	0.00	0.00	0.01	0.00	11.74	2.00	0.00	0.00	0.01	0.00
11.75	2.00	0.00	0.00	0.01	0.00	11.76	2.00	0.00	0.00	0.01	0.00
11.77	2.00	0.00	0.00	0.01	0.00	11.78	2.00	0.00	0.00	0.01	0.00
11.79	2.00	0.00	0.00	0.01	0.00	11.80	2.00	0.00	0.00	0.01	0.00
11.81	2.00	0.00	0.00	0.01	0.00	11.82	2.00	0.00	0.00	0.01	0.00
11.83	2.00	0.00	0.00	0.01	0.00	11.84	2.00	0.00	0.00	0.01	0.00
11.85	2.00	0.00	0.00	0.01	0.00	11.86	2.00	0.00	0.00	0.01	0.00
11.87	2.00	0.00	0.00	0.01	0.00	11.88	2.00	0.00	0.00	0.01	0.00
11.89	2.00	0.00	0.00	0.01	0.00	11.90	2.00	0.00	0.00	0.01	0.00
11.91	2.00	0.00	0.00	0.01	0.00	11.92	2.00	0.00	0.00	0.01	0.00
11.93	2.00	0.00	0.00	0.01	0.00	11.94	2.00	0.00	0.00	0.01	0.00
11.95	2.00	0.00	0.00	0.01	0.00	11.96	2.00	0.00	0.00	0.01	0.00
11.97	2.00	0.00	0.00	0.01	0.00	11.98	2.00	0.00	0.00	0.01	0.00
11.99	2.00	0.00	0.00	0.01	0.00	12.00	2.00	0.00	0.00	0.01	0.00
12.01	2.00	0.00	0.00	0.01	0.00	12.02	2.00	0.00	0.00	0.01	0.00
12.03	2.00	0.00	0.00	0.01	0.00	12.04	2.00	0.00	0.00	0.01	0.00
12.05	2.00	0.00	0.00	0.01	0.00	12.06	2.00	0.00	0.00	0.01	0.00
12.07	2.00	0.00	0.00	0.01	0.00	12.08	2.00	0.00	0.00	0.01	0.00
12.09	2.00	0.00	0.00	0.01	0.00	12.10	2.00	0.00	0.00	0.01	0.00
12.11	2.00	0.00	0.00	0.01	0.00	12.12	2.00	0.00	0.00	0.01	0.00
12.13	2.00	0.00	0.00	0.01	0.00	12.14	2.00	0.00	0.00	0.01	0.00
12.15	2.00	0.00	0.00	0.01	0.00	12.16	2.00	0.00	0.00	0.01	0.00
12.17	2.00	0.00	0.00	0.01	0.00	12.18	2.00	0.00	0.00	0.01	0.00
12.19	2.00	0.00	0.00	0.01	0.00	12.20	2.00	0.00	0.00	0.01	0.00
12.21	2.00	0.00	0.00	0.01	0.00	12.22	2.00	0.00	0.00	0.01	0.00
12.23	2.00	0.00	0.00	0.01	0.00	12.24	2.00	0.00	0.00	0.01	0.00
12.25	2.00	0.00	0.00	0.01	0.00	12.26	2.00	0.00	0.00	0.01	0.00
12.27	2.00	0.00	0.00	0.01	0.00	12.28	2.00	0.00	0.00	0.01	0.00
12.29	2.00	0.00	0.00	0.01	0.00	12.30	2.00	0.00	0.00	0.01	0.00
12.31	2.00	0.00	0.00	0.01	0.00	12.32	2.00	0.00	0.00	0.01	0.00
12.33	2.00	0.00	0.00	0.01	0.00	12.34	2.00	0.00	0.00	0.01	0.00
12.35	2.00	0.00	0.00	0.01	0.00	12.36	2.00	0.00	0.00	0.01	0.00
12.37	2.00	0.00	0.00	0.01	0.00	12.38	2.00	0.00	0.00	0.01	0.00
12.39	2.00	0.00	0.00	0.01	0.00	12.40	2.00	0.00	0.00	0.01	0.00
12.41	2.00	0.00	0.00	0.01	0.00	12.42	2.00	0.00	0.00	0.01	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}
12.43	2.00	0.00	0.00	0.01	0.00	12.44	2.00	0.00	0.00	0.01	0.00
12.45	2.00	0.00	0.00	0.01	0.00	12.46	2.00	0.00	0.00	0.01	0.00
12.47	2.00	0.00	0.00	0.01	0.00	12.48	2.00	0.00	0.00	0.01	0.00
12.49	2.00	0.00	0.00	0.01	0.00	12.50	2.00	0.00	0.00	0.01	0.00
12.51	2.00	0.00	0.00	0.01	0.00	12.52	2.00	0.00	0.00	0.01	0.00
12.53	2.00	0.00	0.00	0.01	0.00	12.54	2.00	0.00	0.00	0.01	0.00
12.55	2.00	0.00	0.00	0.01	0.00	12.56	2.00	0.00	0.00	0.01	0.00
12.57	2.00	0.00	0.00	0.01	0.00	12.58	2.00	0.00	0.00	0.01	0.00
12.59	2.00	0.00	0.00	0.01	0.00	12.60	2.00	0.00	0.00	0.01	0.00
12.61	2.00	0.00	0.00	0.01	0.00	12.62	2.00	0.00	0.00	0.01	0.00
12.63	2.00	0.00	0.00	0.01	0.00	12.64	2.00	0.00	0.00	0.01	0.00
12.65	2.00	0.00	0.00	0.01	0.00	12.66	2.00	0.00	0.00	0.01	0.00
12.67	2.00	0.00	0.00	0.01	0.00	12.68	2.00	0.00	0.00	0.01	0.00
12.69	2.00	0.00	0.00	0.01	0.00	12.70	2.00	0.00	0.00	0.01	0.00
12.71	2.00	0.00	0.00	0.01	0.00	12.72	2.00	0.00	0.00	0.01	0.00
12.73	2.00	0.00	0.00	0.01	0.00	12.74	2.00	0.00	0.00	0.01	0.00
12.75	2.00	0.00	0.00	0.01	0.00	12.76	2.00	0.00	0.00	0.01	0.00
12.77	2.00	0.00	0.00	0.01	0.00	12.78	2.00	0.00	0.00	0.01	0.00
12.79	2.00	0.00	0.00	0.01	0.00	12.80	2.00	0.00	0.00	0.01	0.00
12.81	2.00	0.00	0.00	0.01	0.00	12.82	2.00	0.00	0.00	0.01	0.00
12.83	2.00	0.00	0.00	0.01	0.00	12.84	2.00	0.00	0.00	0.01	0.00
12.85	2.00	0.00	0.00	0.01	0.00	12.86	2.00	0.00	0.00	0.01	0.00
12.87	2.00	0.00	0.00	0.01	0.00	12.88	2.00	0.00	0.00	0.01	0.00
12.89	2.00	0.00	0.00	0.01	0.00	12.90	2.00	0.00	0.00	0.01	0.00
12.91	2.00	0.00	0.00	0.01	0.00	12.92	2.00	0.00	0.00	0.01	0.00
12.93	2.00	0.00	0.00	0.01	0.00	12.94	2.00	0.00	0.00	0.01	0.00
12.95	2.00	0.00	0.00	0.01	0.00	12.96	2.00	0.00	0.00	0.01	0.00
12.97	2.00	0.00	0.00	0.01	0.00	12.98	2.00	0.00	0.00	0.01	0.00
12.99	2.00	0.00	0.00	0.01	0.00	13.00	2.00	0.00	0.00	0.01	0.00
13.01	2.00	0.00	0.00	0.01	0.00	13.02	2.00	0.00	0.00	0.01	0.00
13.03	2.00	0.00	0.00	0.01	0.00	13.04	2.00	0.00	0.00	0.01	0.00
13.05	2.00	0.00	0.00	0.01	0.00	13.06	2.00	0.00	0.00	0.01	0.00
13.07	2.00	0.00	0.00	0.01	0.00	13.08	2.00	0.00	0.00	0.01	0.00
13.09	2.00	0.00	0.00	0.01	0.00	13.10	2.00	0.00	0.00	0.01	0.00
13.11	2.00	0.00	0.00	0.01	0.00	13.12	2.00	0.00	0.00	0.01	0.00
13.13	2.00	0.00	0.00	0.01	0.00	13.14	2.00	0.00	0.00	0.01	0.00
13.15	2.00	0.00	0.00	0.01	0.00	13.16	2.00	0.00	0.00	0.01	0.00
13.17	2.00	0.00	0.00	0.01	0.00	13.18	2.00	0.00	0.00	0.01	0.00
13.19	2.00	0.00	0.00	0.01	0.00	13.20	2.00	0.00	0.00	0.01	0.00
13.21	2.00	0.00	0.00	0.01	0.00	13.22	2.00	0.00	0.00	0.01	0.00
13.23	2.00	0.00	0.00	0.01	0.00	13.24	2.00	0.00	0.00	0.01	0.00
13.25	2.00	0.00	0.00	0.01	0.00	13.26	2.00	0.00	0.00	0.01	0.00
13.27	2.00	0.00	0.00	0.01	0.00	13.28	2.00	0.00	0.00	0.01	0.00
13.29	2.00	0.00	0.00	0.01	0.00	13.30	2.00	0.00	0.00	0.01	0.00
13.31	2.00	0.00	0.00	0.01	0.00	13.32	2.00	0.00	0.00	0.01	0.00
13.33	2.00	0.00	0.00	0.01	0.00	13.34	2.00	0.00	0.00	0.01	0.00
13.35	2.00	0.00	0.00	0.01	0.00	13.36	2.00	0.00	0.00	0.01	0.00
13.37	2.00	0.00	0.00	0.01	0.00	13.38	2.00	0.00	0.00	0.01	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}
13.39	2.00	0.00	0.00	0.01	0.00	13.40	2.00	0.00	0.00	0.01	0.00
13.41	2.00	0.00	0.00	0.01	0.00	13.42	2.00	0.00	0.00	0.01	0.00
13.43	2.00	0.00	0.00	0.01	0.00	13.44	2.00	0.00	0.00	0.01	0.00
13.45	2.00	0.00	0.00	0.01	0.00	13.46	2.00	0.00	0.00	0.01	0.00
13.47	2.00	0.00	0.00	0.01	0.00	13.48	2.00	0.00	0.00	0.01	0.00
13.49	2.00	0.00	0.00	0.01	0.00	13.50	2.00	0.00	0.00	0.01	0.00
13.51	2.00	0.00	0.00	0.01	0.00	13.52	2.00	0.00	0.00	0.01	0.00
13.53	2.00	0.00	0.00	0.01	0.00	13.54	2.00	0.00	0.00	0.01	0.00
13.55	2.00	0.00	0.00	0.01	0.00	13.56	2.00	0.00	0.00	0.01	0.00
13.57	2.00	0.00	0.00	0.01	0.00	13.58	2.00	0.00	0.00	0.01	0.00
13.59	2.00	0.00	0.00	0.01	0.00	13.60	2.00	0.00	0.00	0.01	0.00
13.61	2.00	0.00	0.00	0.01	0.00	13.62	2.00	0.00	0.00	0.01	0.00
13.63	2.00	0.00	0.00	0.01	0.00	13.64	2.00	0.00	0.00	0.01	0.00
13.65	2.00	0.00	0.00	0.01	0.00	13.66	2.00	0.00	0.00	0.01	0.00
13.67	2.00	0.00	0.00	0.01	0.00	13.68	2.00	0.00	0.00	0.01	0.00
13.69	2.00	0.00	0.00	0.01	0.00	13.70	2.00	0.00	0.00	0.01	0.00
13.71	2.00	0.00	0.00	0.01	0.00	13.72	2.00	0.00	0.00	0.01	0.00
13.73	2.00	0.00	0.00	0.01	0.00	13.74	2.00	0.00	0.00	0.01	0.00
13.75	2.00	0.00	0.00	0.01	0.00	13.76	2.00	0.00	0.00	0.01	0.00
13.77	2.00	0.00	0.00	0.01	0.00	13.78	2.00	0.00	0.00	0.01	0.00
13.79	2.00	0.00	0.00	0.01	0.00	13.80	2.00	0.00	0.00	0.01	0.00
13.81	2.00	0.00	0.00	0.01	0.00	13.82	2.00	0.00	0.00	0.01	0.00
13.83	2.00	0.00	0.00	0.01	0.00	13.84	2.00	0.00	0.00	0.01	0.00
13.85	2.00	0.00	0.00	0.01	0.00	13.86	2.00	0.00	0.00	0.01	0.00
13.87	2.00	0.00	0.00	0.01	0.00	13.88	2.00	0.00	0.00	0.01	0.00
13.89	2.00	0.00	0.00	0.01	0.00	13.90	2.00	0.00	0.00	0.01	0.00
13.91	2.00	0.00	0.00	0.01	0.00	13.92	2.00	0.00	0.00	0.01	0.00
13.93	2.00	0.00	0.00	0.01	0.00	13.94	2.00	0.00	0.00	0.01	0.00
13.95	2.00	0.00	0.00	0.01	0.00	13.96	2.00	0.00	0.00	0.01	0.00
13.97	2.00	0.00	0.00	0.01	0.00	13.98	2.00	0.00	0.00	0.01	0.00
13.99	2.00	0.00	0.00	0.01	0.00	14.00	2.00	0.00	0.00	0.01	0.00
14.01	2.00	0.00	0.00	0.01	0.00	14.02	2.00	0.00	0.00	0.01	0.00
14.03	2.00	0.00	0.00	0.01	0.00	14.04	2.00	0.00	0.00	0.01	0.00
14.05	2.00	0.00	0.00	0.01	0.00	14.06	2.00	0.00	0.00	0.01	0.00
14.07	2.00	0.00	0.00	0.01	0.00	14.08	2.00	0.00	0.00	0.01	0.00
14.09	2.00	0.00	0.00	0.01	0.00	14.10	2.00	0.00	0.00	0.01	0.00
14.11	2.00	0.00	0.00	0.01	0.00	14.12	2.00	0.00	0.00	0.01	0.00
14.13	2.00	0.00	0.00	0.01	0.00	14.14	2.00	0.00	0.00	0.01	0.00
14.15	2.00	0.00	0.00	0.01	0.00	14.16	2.00	0.00	0.00	0.01	0.00
14.17	2.00	0.00	0.00	0.01	0.00	14.18	2.00	0.00	0.00	0.01	0.00
14.19	2.00	0.00	0.00	0.01	0.00	14.20	2.00	0.00	0.00	0.01	0.00
14.21	2.00	0.00	0.00	0.01	0.00	14.22	2.00	0.00	0.00	0.01	0.00
14.23	2.00	0.00	0.00	0.01	0.00	14.24	2.00	0.00	0.00	0.01	0.00
14.25	2.00	0.00	0.00	0.01	0.00	14.26	2.00	0.00	0.00	0.01	0.00
14.27	2.00	0.00	0.00	0.01	0.00	14.28	2.00	0.00	0.00	0.01	0.00
14.29	2.00	0.00	0.00	0.01	0.00	14.30	2.00	0.00	0.00	0.01	0.00
14.31	2.00	0.00	0.00	0.01	0.00	14.32	2.00	0.00	0.00	0.01	0.00
14.33	2.00	0.00	0.00	0.01	0.00	14.34	2.00	0.00	0.00	0.01	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}
14.35	2.00	0.00	0.00	0.01	0.00	14.36	2.00	0.00	0.00	0.01	0.00
14.37	2.00	0.00	0.00	0.01	0.00	14.38	2.00	0.00	0.00	0.01	0.00
14.39	2.00	0.00	0.00	0.01	0.00	14.40	2.00	0.00	0.00	0.01	0.00
14.41	2.00	0.00	0.00	0.01	0.00	14.42	2.00	0.00	0.00	0.01	0.00
14.43	2.00	0.00	0.00	0.01	0.00	14.44	2.00	0.00	0.00	0.01	0.00
14.45	2.00	0.00	0.00	0.01	0.00	14.46	2.00	0.00	0.00	0.01	0.00
14.47	2.00	0.00	0.00	0.01	0.00	14.48	2.00	0.00	0.00	0.01	0.00
14.49	2.00	0.00	0.00	0.01	0.00	14.50	2.00	0.00	0.00	0.01	0.00
14.51	2.00	0.00	0.00	0.01	0.00	14.52	2.00	0.00	0.00	0.01	0.00
14.53	2.00	0.00	0.00	0.01	0.00	14.54	2.00	0.00	0.00	0.01	0.00
14.55	2.00	0.00	0.00	0.01	0.00	14.56	2.00	0.00	0.00	0.01	0.00
14.57	2.00	0.00	0.00	0.01	0.00	14.58	2.00	0.00	0.00	0.01	0.00
14.59	2.00	0.00	0.00	0.01	0.00	14.60	2.00	0.00	0.00	0.01	0.00
14.61	2.00	0.00	0.00	0.01	0.00	14.62	2.00	0.00	0.00	0.01	0.00
14.63	2.00	0.00	0.00	0.01	0.00	14.64	2.00	0.00	0.00	0.01	0.00
14.65	2.00	0.00	0.00	0.01	0.00	14.66	2.00	0.00	0.00	0.01	0.00
14.67	2.00	0.00	0.00	0.01	0.00	14.68	2.00	0.00	0.00	0.01	0.00
14.69	2.00	0.00	0.00	0.01	0.00	14.70	2.00	0.00	0.00	0.01	0.00
14.71	2.00	0.00	0.00	0.01	0.00	14.72	2.00	0.00	0.00	0.01	0.00
14.73	2.00	0.00	0.00	0.01	0.00	14.74	2.00	0.00	0.00	0.01	0.00
14.75	2.00	0.00	0.00	0.01	0.00	14.76	2.00	0.00	0.00	0.01	0.00
14.77	2.00	0.00	0.00	0.01	0.00	14.78	2.00	0.00	0.00	0.01	0.00
14.79	2.00	0.00	0.00	0.01	0.00	14.80	2.00	0.00	0.00	0.01	0.00
14.81	2.00	0.00	0.00	0.01	0.00	14.82	2.00	0.00	0.00	0.01	0.00
14.83	2.00	0.00	0.00	0.01	0.00	14.84	2.00	0.00	0.00	0.01	0.00
14.85	2.00	0.00	0.00	0.01	0.00	14.86	2.00	0.00	0.00	0.01	0.00
14.87	2.00	0.00	0.00	0.01	0.00	14.88	2.00	0.00	0.00	0.01	0.00
14.89	2.00	0.00	0.00	0.01	0.00	14.90	2.00	0.00	0.00	0.01	0.00
14.91	2.00	0.00	0.00	0.01	0.00	14.92	2.00	0.00	0.00	0.01	0.00
14.93	2.00	0.00	0.00	0.01	0.00	14.94	2.00	0.00	0.00	0.01	0.00
14.95	2.00	0.00	0.00	0.01	0.00	14.96	2.00	0.00	0.00	0.01	0.00
14.97	2.00	0.00	0.00	0.01	0.00	14.98	2.00	0.00	0.00	0.01	0.00
14.99	2.00	0.00	0.00	0.01	0.00	15.00	2.00	0.00	0.00	0.01	0.00
15.01	2.00	0.00	0.00	0.01	0.00	15.02	2.00	0.00	0.00	0.01	0.00
15.03	2.00	0.00	0.00	0.01	0.00	15.04	2.00	0.00	0.00	0.01	0.00
15.05	2.00	0.00	0.00	0.01	0.00	15.06	2.00	0.00	0.00	0.01	0.00
15.07	2.00	0.00	0.00	0.01	0.00	15.08	2.00	0.00	0.00	0.01	0.00
15.09	2.00	0.00	0.00	0.01	0.00	15.10	2.00	0.00	0.00	0.01	0.00
15.11	2.00	0.00	0.00	0.01	0.00	15.12	2.00	0.00	0.00	0.01	0.00
15.13	2.00	0.00	0.00	0.01	0.00	15.14	2.00	0.00	0.00	0.01	0.00
15.15	2.00	0.00	0.00	0.01	0.00	15.16	2.00	0.00	0.00	0.01	0.00
15.17	2.00	0.00	0.00	0.01	0.00	15.18	2.00	0.00	0.00	0.01	0.00
15.19	2.00	0.00	0.00	0.01	0.00	15.20	2.00	0.00	0.00	0.01	0.00
15.21	2.00	0.00	0.00	0.01	0.00	15.22	2.00	0.00	0.00	0.01	0.00
15.23	2.00	0.00	0.00	0.01	0.00	15.24	2.00	0.00	0.00	0.01	0.00
15.25	2.00	0.00	0.00	0.01	0.00	15.26	2.00	0.00	0.00	0.01	0.00
15.27	2.00	0.00	0.00	0.01	0.00	15.28	2.00	0.00	0.00	0.01	0.00
15.29	2.00	0.00	0.00	0.01	0.00	15.30	2.00	0.00	0.00	0.01	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}
15.31	2.00	0.00	0.00	0.01	0.00	15.32	2.00	0.00	0.00	0.01	0.00
15.33	2.00	0.00	0.00	0.01	0.00	15.34	2.00	0.00	0.00	0.01	0.00
15.35	2.00	0.00	0.00	0.01	0.00	15.36	2.00	0.00	0.00	0.01	0.00
15.37	2.00	0.00	0.00	0.01	0.00	15.38	2.00	0.00	0.00	0.01	0.00
15.39	2.00	0.00	0.00	0.01	0.00	15.40	2.00	0.00	0.00	0.01	0.00
15.41	2.00	0.00	0.00	0.01	0.00	15.42	2.00	0.00	0.00	0.01	0.00
15.43	2.00	0.00	0.00	0.01	0.00	15.44	2.00	0.00	0.00	0.01	0.00
15.45	2.00	0.00	0.00	0.01	0.00	15.46	2.00	0.00	0.00	0.01	0.00
15.47	2.00	0.00	0.00	0.01	0.00	15.48	2.00	0.00	0.00	0.01	0.00
15.49	2.00	0.00	0.00	0.01	0.00	15.50	2.00	0.00	0.00	0.01	0.00
15.51	2.00	0.00	0.00	0.01	0.00	15.52	2.00	0.00	0.00	0.01	0.00
15.53	2.00	0.00	0.00	0.01	0.00	15.54	2.00	0.00	0.00	0.01	0.00
15.55	2.00	0.00	0.00	0.01	0.00	15.56	2.00	0.00	0.00	0.01	0.00
15.57	2.00	0.00	0.00	0.01	0.00	15.58	2.00	0.00	0.00	0.01	0.00
15.59	2.00	0.00	0.00	0.01	0.00	15.60	2.00	0.00	0.00	0.01	0.00
15.61	2.00	0.00	0.00	0.01	0.00	15.62	2.00	0.00	0.00	0.01	0.00
15.63	2.00	0.00	0.00	0.01	0.00	15.64	2.00	0.00	0.00	0.01	0.00
15.65	2.00	0.00	0.00	0.01	0.00	15.66	2.00	0.00	0.00	0.01	0.00
15.67	2.00	0.00	0.00	0.01	0.00	15.68	2.00	0.00	0.00	0.01	0.00
15.69	2.00	0.00	0.00	0.01	0.00	15.70	2.00	0.00	0.00	0.01	0.00
15.71	2.00	0.00	0.00	0.01	0.00	15.72	2.00	0.00	0.00	0.01	0.00
15.73	2.00	0.00	0.00	0.01	0.00	15.74	2.00	0.00	0.00	0.01	0.00
15.75	2.00	0.00	0.00	0.01	0.00	15.76	2.00	0.00	0.00	0.01	0.00
15.77	2.00	0.00	0.00	0.01	0.00	15.78	2.00	0.00	0.00	0.01	0.00
15.79	2.00	0.00	0.00	0.01	0.00	15.80	2.00	0.00	0.00	0.01	0.00
15.81	2.00	0.00	0.00	0.01	0.00	15.82	2.00	0.00	0.00	0.01	0.00
15.83	2.00	0.00	0.00	0.01	0.00	15.84	2.00	0.00	0.00	0.01	0.00
15.85	2.00	0.00	0.00	0.01	0.00	15.86	2.00	0.00	0.00	0.01	0.00
15.87	2.00	0.00	0.00	0.01	0.00	15.88	2.00	0.00	0.00	0.01	0.00
15.89	2.00	0.00	0.00	0.01	0.00	15.90	2.00	0.00	0.00	0.01	0.00
15.91	2.00	0.00	0.00	0.01	0.00	15.92	2.00	0.00	0.00	0.01	0.00
15.93	2.00	0.00	0.00	0.01	0.00	15.94	2.00	0.00	0.00	0.01	0.00
15.95	2.00	0.00	0.00	0.01	0.00	15.96	2.00	0.00	0.00	0.01	0.00
15.97	2.00	0.00	0.00	0.01	0.00	15.98	2.00	0.00	0.00	0.01	0.00
15.99	2.00	0.00	0.00	0.01	0.00	16.00	2.00	0.00	0.00	0.01	0.00
16.01	2.00	0.00	0.00	0.01	0.00	16.02	2.00	0.00	0.00	0.01	0.00
16.03	2.00	0.00	0.00	0.01	0.00	16.04	2.00	0.00	0.00	0.01	0.00
16.05	2.00	0.00	0.00	0.01	0.00	16.06	2.00	0.00	0.00	0.01	0.00
16.07	2.00	0.00	0.00	0.01	0.00	16.08	2.00	0.00	0.00	0.01	0.00
16.09	2.00	0.00	0.00	0.01	0.00	16.10	2.00	0.00	0.00	0.01	0.00
16.11	2.00	0.00	0.00	0.01	0.00	16.12	2.00	0.00	0.00	0.01	0.00
16.13	2.00	0.00	0.00	0.01	0.00	16.14	2.00	0.00	0.00	0.01	0.00
16.15	2.00	0.00	0.00	0.01	0.00	16.16	2.00	0.00	0.00	0.01	0.00
16.17	2.00	0.00	0.00	0.01	0.00	16.18	2.00	0.00	0.00	0.01	0.00
16.19	2.00	0.00	0.00	0.01	0.00	16.20	2.00	0.00	0.00	0.01	0.00
16.21	2.00	0.00	0.00	0.01	0.00	16.22	2.00	0.00	0.00	0.01	0.00
16.23	2.00	0.00	0.00	0.01	0.00	16.24	2.00	0.00	0.00	0.01	0.00
16.25	2.00	0.00	0.00	0.01	0.00	16.26	2.00	0.00	0.00	0.01	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}
16.27	2.00	0.00	0.00	0.01	0.00	16.28	2.00	0.00	0.00	0.01	0.00
16.29	2.00	0.00	0.00	0.01	0.00	16.30	2.00	0.00	0.00	0.01	0.00
16.31	2.00	0.00	0.00	0.01	0.00	16.32	2.00	0.00	0.00	0.01	0.00
16.33	2.00	0.00	0.00	0.01	0.00	16.34	2.00	0.00	0.00	0.01	0.00
16.35	2.00	0.00	0.00	0.01	0.00	16.36	2.00	0.00	0.00	0.01	0.00
16.37	2.00	0.00	0.00	0.01	0.00	16.38	2.00	0.00	0.00	0.01	0.00
16.39	2.00	0.00	0.00	0.01	0.00	16.40	2.00	0.00	0.00	0.01	0.00
16.41	2.00	0.00	0.00	0.01	0.00	16.42	2.00	0.00	0.00	0.01	0.00
16.43	2.00	0.00	0.00	0.01	0.00	16.44	2.00	0.00	0.00	0.01	0.00
16.45	2.00	0.00	0.00	0.01	0.00	16.46	2.00	0.00	0.00	0.01	0.00
16.47	2.00	0.00	0.00	0.01	0.00	16.48	2.00	0.00	0.00	0.01	0.00
16.49	2.00	0.00	0.00	0.01	0.00	16.50	2.00	0.00	0.00	0.01	0.00
16.51	2.00	0.00	0.00	0.01	0.00	16.52	2.00	0.00	0.00	0.01	0.00
16.53	2.00	0.00	0.00	0.01	0.00	16.54	2.00	0.00	0.00	0.01	0.00
16.55	2.00	0.00	0.00	0.01	0.00	16.56	2.00	0.00	0.00	0.01	0.00
16.57	2.00	0.00	0.00	0.01	0.00	16.58	2.00	0.00	0.00	0.01	0.00
16.59	2.00	0.00	0.00	0.01	0.00	16.60	2.00	0.00	0.00	0.01	0.00
16.61	2.00	0.00	0.00	0.01	0.00	16.62	2.00	0.00	0.00	0.01	0.00
16.63	2.00	0.00	0.00	0.01	0.00	16.64	2.00	0.00	0.00	0.01	0.00
16.65	2.00	0.00	0.00	0.01	0.00	16.66	2.00	0.00	0.00	0.01	0.00
16.67	2.00	0.00	0.00	0.01	0.00	16.68	2.00	0.00	0.00	0.01	0.00
16.69	2.00	0.00	0.00	0.01	0.00	16.70	2.00	0.00	0.00	0.01	0.00
16.71	2.00	0.00	0.00	0.01	0.00	16.72	2.00	0.00	0.00	0.01	0.00
16.73	2.00	0.00	0.00	0.01	0.00	16.74	2.00	0.00	0.00	0.01	0.00
16.75	2.00	0.00	0.00	0.01	0.00	16.76	2.00	0.00	0.00	0.01	0.00
16.77	2.00	0.00	0.00	0.01	0.00	16.78	2.00	0.00	0.00	0.01	0.00
16.79	2.00	0.00	0.00	0.01	0.00	16.80	2.00	0.00	0.00	0.01	0.00
16.81	2.00	0.00	0.00	0.01	0.00	16.82	2.00	0.00	0.00	0.01	0.00
16.83	2.00	0.00	0.00	0.01	0.00	16.84	2.00	0.00	0.00	0.01	0.00
16.85	2.00	0.00	0.00	0.01	0.00	16.86	2.00	0.00	0.00	0.01	0.00
16.87	2.00	0.00	0.00	0.01	0.00	16.88	2.00	0.00	0.00	0.01	0.00
16.89	2.00	0.00	0.00	0.01	0.00	16.90	2.00	0.00	0.00	0.01	0.00
16.91	2.00	0.00	0.00	0.01	0.00	16.92	2.00	0.00	0.00	0.01	0.00
16.93	2.00	0.00	0.00	0.01	0.00	16.94	2.00	0.00	0.00	0.01	0.00
16.95	2.00	0.00	0.00	0.01	0.00	16.96	2.00	0.00	0.00	0.01	0.00
16.97	2.00	0.00	0.00	0.01	0.00	16.98	2.00	0.00	0.00	0.01	0.00
16.99	2.00	0.00	0.00	0.01	0.00	17.00	2.00	0.00	0.00	0.01	0.00
17.01	2.00	0.00	0.00	0.01	0.00	17.02	2.00	0.00	0.00	0.01	0.00
17.03	2.00	0.00	0.00	0.01	0.00	17.04	2.00	0.00	0.00	0.01	0.00
17.05	2.00	0.00	0.00	0.01	0.00	17.06	2.00	0.00	0.00	0.01	0.00
17.07	2.00	0.00	0.00	0.01	0.00	17.08	2.00	0.00	0.00	0.01	0.00
17.09	2.00	0.00	0.00	0.01	0.00	17.10	2.00	0.00	0.00	0.01	0.00
17.11	2.00	0.00	0.00	0.01	0.00	17.12	2.00	0.00	0.00	0.01	0.00
17.13	2.00	0.00	0.00	0.01	0.00	17.14	2.00	0.00	0.00	0.01	0.00
17.15	2.00	0.00	0.00	0.01	0.00	17.16	2.00	0.00	0.00	0.01	0.00
17.17	2.00	0.00	0.00	0.01	0.00	17.18	2.00	0.00	0.00	0.01	0.00
17.19	2.00	0.00	0.00	0.01	0.00	17.20	2.00	0.00	0.00	0.01	0.00
17.21	2.00	0.00	0.00	0.01	0.00	17.22	2.00	0.00	0.00	0.01	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}
17.23	2.00	0.00	0.00	0.01	0.00	17.24	2.00	0.00	0.00	0.01	0.00
17.25	2.00	0.00	0.00	0.01	0.00	17.26	2.00	0.00	0.00	0.01	0.00
17.27	2.00	0.00	0.00	0.01	0.00	17.28	2.00	0.00	0.00	0.01	0.00
17.29	2.00	0.00	0.00	0.01	0.00	17.30	2.00	0.00	0.00	0.01	0.00
17.31	2.00	0.00	0.00	0.01	0.00	17.32	2.00	0.00	0.00	0.01	0.00
17.33	2.00	0.00	0.00	0.01	0.00	17.34	2.00	0.00	0.00	0.01	0.00
17.35	2.00	0.00	0.00	0.01	0.00	17.36	2.00	0.00	0.00	0.01	0.00
17.37	2.00	0.00	0.00	0.01	0.00	17.38	2.00	0.00	0.00	0.01	0.00
17.39	2.00	0.00	0.00	0.01	0.00	17.40	2.00	0.00	0.00	0.01	0.00
17.41	2.00	0.00	0.00	0.01	0.00	17.42	2.00	0.00	0.00	0.01	0.00
17.43	2.00	0.00	0.00	0.01	0.00	17.44	2.00	0.00	0.00	0.01	0.00
17.45	2.00	0.00	0.00	0.01	0.00	17.46	2.00	0.00	0.00	0.01	0.00
17.47	2.00	0.00	0.00	0.01	0.00	17.48	2.00	0.00	0.00	0.01	0.00
17.49	2.00	0.00	0.00	0.01	0.00	17.50	2.00	0.00	0.00	0.01	0.00
17.51	2.00	0.00	0.00	0.01	0.00	17.52	2.00	0.00	0.00	0.01	0.00
17.53	2.00	0.00	0.00	0.01	0.00	17.54	2.00	0.00	0.00	0.01	0.00
17.55	2.00	0.00	0.00	0.01	0.00	17.56	2.00	0.00	0.00	0.01	0.00
17.57	2.00	0.00	0.00	0.01	0.00	17.58	2.00	0.00	0.00	0.01	0.00
17.59	2.00	0.00	0.00	0.01	0.00	17.60	2.00	0.00	0.00	0.01	0.00
17.61	2.00	0.00	0.00	0.01	0.00	17.62	2.00	0.00	0.00	0.01	0.00
17.63	2.00	0.00	0.00	0.01	0.00	17.64	2.00	0.00	0.00	0.01	0.00
17.65	2.00	0.00	0.00	0.01	0.00	17.66	2.00	0.00	0.00	0.01	0.00
17.67	2.00	0.00	0.00	0.01	0.00	17.68	2.00	0.00	0.00	0.01	0.00
17.69	2.00	0.00	0.00	0.01	0.00	17.70	2.00	0.00	0.00	0.01	0.00
17.71	2.00	0.00	0.00	0.01	0.00	17.72	2.00	0.00	0.00	0.01	0.00
17.73	2.00	0.00	0.00	0.01	0.00	17.74	2.00	0.00	0.00	0.01	0.00
17.75	2.00	0.00	0.00	0.01	0.00	17.76	2.00	0.00	0.00	0.01	0.00
17.77	2.00	0.00	0.00	0.01	0.00	17.78	2.00	0.00	0.00	0.01	0.00
17.79	2.00	0.00	0.00	0.01	0.00	17.80	2.00	0.00	0.00	0.01	0.00
17.81	2.00	0.00	0.00	0.01	0.00	17.82	2.00	0.00	0.00	0.01	0.00
17.83	2.00	0.00	0.00	0.01	0.00	17.84	2.00	0.00	0.00	0.01	0.00
17.85	2.00	0.00	0.00	0.01	0.00	17.86	2.00	0.00	0.00	0.01	0.00
17.87	2.00	0.00	0.00	0.01	0.00	17.88	2.00	0.00	0.00	0.01	0.00
17.89	0.47	0.53	0.44	0.01	0.01	17.90	0.47	0.53	0.45	0.01	0.01
17.91	0.47	0.53	0.45	0.01	0.01	17.92	0.47	0.53	0.45	0.01	0.01
17.93	2.00	0.00	0.00	0.01	0.00	17.94	2.00	0.00	0.00	0.01	0.00
17.95	2.00	0.00	0.00	0.01	0.00	17.96	2.00	0.00	0.00	0.01	0.00
17.97	2.00	0.00	0.00	0.01	0.00	17.98	2.00	0.00	0.00	0.01	0.00
17.99	2.00	0.00	0.00	0.01	0.00	18.00	2.00	0.00	0.00	0.01	0.00
18.01	2.00	0.00	0.00	0.01	0.00	18.02	2.00	0.00	0.00	0.01	0.00
18.03	2.00	0.00	0.00	0.01	0.00	18.04	2.00	0.00	0.00	0.01	0.00
18.05	2.00	0.00	0.00	0.01	0.00	18.06	2.00	0.00	0.00	0.01	0.00
18.07	2.00	0.00	0.00	0.01	0.00	18.08	2.00	0.00	0.00	0.01	0.00
18.09	2.00	0.00	0.00	0.01	0.00	18.10	2.00	0.00	0.00	0.01	0.00
18.11	2.00	0.00	0.00	0.01	0.00	18.12	2.00	0.00	0.00	0.01	0.00
18.13	2.00	0.00	0.00	0.01	0.00	18.14	2.00	0.00	0.00	0.01	0.00
18.15	2.00	0.00	0.00	0.01	0.00	18.16	2.00	0.00	0.00	0.01	0.00
18.17	2.00	0.00	0.00	0.01	0.00	18.18	2.00	0.00	0.00	0.01	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}
18.19	2.00	0.00	0.00	0.01	0.00	18.20	2.00	0.00	0.00	0.01	0.00
18.21	2.00	0.00	0.00	0.01	0.00	18.22	2.00	0.00	0.00	0.01	0.00
18.23	2.00	0.00	0.00	0.01	0.00	18.24	2.00	0.00	0.00	0.01	0.00
18.25	2.00	0.00	0.00	0.01	0.00	18.26	2.00	0.00	0.00	0.01	0.00
18.27	2.00	0.00	0.00	0.01	0.00	18.28	2.00	0.00	0.00	0.01	0.00
18.29	2.00	0.00	0.00	0.01	0.00	18.30	2.00	0.00	0.00	0.01	0.00
18.31	2.00	0.00	0.00	0.01	0.00	18.32	2.00	0.00	0.00	0.01	0.00
18.33	2.00	0.00	0.00	0.01	0.00	18.34	2.00	0.00	0.00	0.01	0.00
18.35	2.00	0.00	0.00	0.01	0.00	18.36	2.00	0.00	0.00	0.01	0.00
18.37	2.00	0.00	0.00	0.01	0.00	18.38	2.00	0.00	0.00	0.01	0.00
18.39	2.00	0.00	0.00	0.01	0.00	18.40	2.00	0.00	0.00	0.01	0.00
18.41	2.00	0.00	0.00	0.01	0.00	18.42	2.00	0.00	0.00	0.01	0.00
18.43	2.00	0.00	0.00	0.01	0.00	18.44	2.00	0.00	0.00	0.01	0.00
18.45	2.00	0.00	0.00	0.01	0.00	18.46	2.00	0.00	0.00	0.01	0.00
18.47	2.00	0.00	0.00	0.01	0.00	18.48	2.00	0.00	0.00	0.01	0.00
18.49	2.00	0.00	0.00	0.01	0.00	18.50	2.00	0.00	0.00	0.01	0.00
18.51	2.00	0.00	0.00	0.01	0.00	18.52	2.00	0.00	0.00	0.01	0.00
18.53	2.00	0.00	0.00	0.01	0.00	18.54	2.00	0.00	0.00	0.01	0.00
18.55	2.00	0.00	0.00	0.01	0.00	18.56	2.00	0.00	0.00	0.01	0.00
18.57	2.00	0.00	0.00	0.01	0.00	18.58	2.00	0.00	0.00	0.01	0.00
18.59	2.00	0.00	0.00	0.01	0.00	18.60	2.00	0.00	0.00	0.01	0.00
18.61	2.00	0.00	0.00	0.01	0.00	18.62	2.00	0.00	0.00	0.01	0.00
18.63	2.00	0.00	0.00	0.01	0.00	18.64	2.00	0.00	0.00	0.01	0.00
18.65	2.00	0.00	0.00	0.01	0.00	18.66	2.00	0.00	0.00	0.01	0.00
18.67	2.00	0.00	0.00	0.01	0.00	18.68	2.00	0.00	0.00	0.01	0.00
18.69	2.00	0.00	0.00	0.01	0.00	18.70	2.00	0.00	0.00	0.01	0.00
18.71	2.00	0.00	0.00	0.01	0.00	18.72	2.00	0.00	0.00	0.01	0.00
18.73	2.00	0.00	0.00	0.01	0.00	18.74	2.00	0.00	0.00	0.01	0.00
18.75	2.00	0.00	0.00	0.01	0.00	18.76	2.00	0.00	0.00	0.01	0.00
18.77	2.00	0.00	0.00	0.01	0.00	18.78	2.00	0.00	0.00	0.01	0.00
18.79	2.00	0.00	0.00	0.01	0.00	18.80	2.00	0.00	0.00	0.01	0.00
18.81	2.00	0.00	0.00	0.01	0.00	18.82	2.00	0.00	0.00	0.01	0.00
18.83	2.00	0.00	0.00	0.01	0.00	18.84	2.00	0.00	0.00	0.01	0.00
18.85	2.00	0.00	0.00	0.01	0.00	18.86	2.00	0.00	0.00	0.01	0.00
18.87	2.00	0.00	0.00	0.01	0.00	18.88	2.00	0.00	0.00	0.01	0.00
18.89	2.00	0.00	0.00	0.01	0.00	18.90	2.00	0.00	0.00	0.01	0.00
18.91	2.00	0.00	0.00	0.01	0.00	18.92	2.00	0.00	0.00	0.01	0.00
18.93	2.00	0.00	0.00	0.01	0.00	18.94	2.00	0.00	0.00	0.01	0.00
18.95	2.00	0.00	0.00	0.01	0.00	18.96	2.00	0.00	0.00	0.01	0.00
18.97	2.00	0.00	0.00	0.01	0.00	18.98	2.00	0.00	0.00	0.01	0.00
18.99	2.00	0.00	0.00	0.01	0.00	19.00	2.00	0.00	0.00	0.01	0.00
19.01	2.00	0.00	0.00	0.01	0.00	19.02	2.00	0.00	0.00	0.01	0.00
19.03	2.00	0.00	0.00	0.01	0.00	19.04	2.00	0.00	0.00	0.01	0.00
19.05	2.00	0.00	0.00	0.01	0.00	19.06	2.00	0.00	0.00	0.01	0.00
19.07	2.00	0.00	0.00	0.01	0.00	19.08	2.00	0.00	0.00	0.01	0.00
19.09	2.00	0.00	0.00	0.01	0.00	19.10	2.00	0.00	0.00	0.01	0.00
19.11	2.00	0.00	0.00	0.01	0.00	19.12	2.00	0.00	0.00	0.01	0.00
19.13	2.00	0.00	0.00	0.01	0.00	19.14	2.00	0.00	0.00	0.01	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}
19.15	2.00	0.00	0.00	0.01	0.00	19.16	2.00	0.00	0.00	0.01	0.00
19.17	2.00	0.00	0.00	0.01	0.00	19.18	2.00	0.00	0.00	0.01	0.00
19.19	2.00	0.00	0.00	0.01	0.00	19.20	2.00	0.00	0.00	0.01	0.00
19.21	2.00	0.00	0.00	0.01	0.00	19.22	2.00	0.00	0.00	0.01	0.00
19.23	2.00	0.00	0.00	0.01	0.00	19.24	2.00	0.00	0.00	0.01	0.00
19.25	2.00	0.00	0.00	0.01	0.00	19.26	2.00	0.00	0.00	0.01	0.00
19.27	2.00	0.00	0.00	0.01	0.00	19.28	2.00	0.00	0.00	0.01	0.00
19.29	2.00	0.00	0.00	0.01	0.00	19.30	2.00	0.00	0.00	0.01	0.00
19.31	2.00	0.00	0.00	0.01	0.00	19.32	2.00	0.00	0.00	0.01	0.00
19.33	2.00	0.00	0.00	0.01	0.00	19.34	2.00	0.00	0.00	0.01	0.00
19.35	2.00	0.00	0.00	0.01	0.00	19.36	2.00	0.00	0.00	0.01	0.00
19.37	2.00	0.00	0.00	0.01	0.00	19.38	2.00	0.00	0.00	0.01	0.00
19.39	2.00	0.00	0.00	0.01	0.00	19.40	2.00	0.00	0.00	0.01	0.00
19.41	2.00	0.00	0.00	0.01	0.00	19.42	2.00	0.00	0.00	0.01	0.00
19.43	2.00	0.00	0.00	0.01	0.00	19.44	2.00	0.00	0.00	0.01	0.00
19.45	2.00	0.00	0.00	0.01	0.00	19.46	2.00	0.00	0.00	0.01	0.00
19.47	2.00	0.00	0.00	0.01	0.00	19.48	2.00	0.00	0.00	0.01	0.00
19.49	2.00	0.00	0.00	0.01	0.00	19.50	2.00	0.00	0.00	0.01	0.00
19.51	2.00	0.00	0.00	0.01	0.00	19.52	2.00	0.00	0.00	0.01	0.00
19.53	2.00	0.00	0.00	0.01	0.00	19.54	2.00	0.00	0.00	0.01	0.00
19.55	2.00	0.00	0.00	0.01	0.00	19.56	2.00	0.00	0.00	0.01	0.00
19.57	2.00	0.00	0.00	0.01	0.00	19.58	2.00	0.00	0.00	0.01	0.00
19.59	2.00	0.00	0.00	0.01	0.00	19.60	2.00	0.00	0.00	0.01	0.00
19.61	2.00	0.00	0.00	0.01	0.00	19.62	2.00	0.00	0.00	0.01	0.00
19.63	2.00	0.00	0.00	0.01	0.00	19.64	2.00	0.00	0.00	0.01	0.00
19.65	2.00	0.00	0.00	0.01	0.00	19.66	2.00	0.00	0.00	0.01	0.00
19.67	2.00	0.00	0.00	0.01	0.00	19.68	2.00	0.00	0.00	0.01	0.00
19.69	2.00	0.00	0.00	0.01	0.00	19.70	2.00	0.00	0.00	0.01	0.00
19.71	2.00	0.00	0.00	0.01	0.00	19.72	2.00	0.00	0.00	0.01	0.00
19.73	2.00	0.00	0.00	0.01	0.00	19.74	2.00	0.00	0.00	0.01	0.00
19.75	2.00	0.00	0.00	0.01	0.00	19.76	2.00	0.00	0.00	0.01	0.00
19.77	2.00	0.00	0.00	0.01	0.00	19.78	2.00	0.00	0.00	0.01	0.00
19.79	2.00	0.00	0.00	0.01	0.00	19.80	2.00	0.00	0.00	0.01	0.00
19.81	2.00	0.00	0.00	0.01	0.00	19.82	2.00	0.00	0.00	0.01	0.00
19.83	2.00	0.00	0.00	0.01	0.00	19.84	2.00	0.00	0.00	0.01	0.00
19.85	2.00	0.00	0.00	0.01	0.00	19.86	2.00	0.00	0.00	0.01	0.00
19.87	2.00	0.00	0.00	0.01	0.00	19.88	2.00	0.00	0.00	0.01	0.00
19.89	2.00	0.00	0.00	0.01	0.00	19.90	2.00	0.00	0.00	0.01	0.00
19.91	2.00	0.00	0.00	0.01	0.00	19.92	2.00	0.00	0.00	0.01	0.00
19.93	2.00	0.00	0.00	0.01	0.00	19.94	2.00	0.00	0.00	0.01	0.00
19.95	2.00	0.00	0.00	0.01	0.00	19.96	2.00	0.00	0.00	0.01	0.00
19.97	2.00	0.00	0.00	0.01	0.00	19.98	2.00	0.00	0.00	0.01	0.00
19.99	2.00	0.00	0.00	0.01	0.00	20.00	2.00	0.00	0.00	0.01	0.00
20.01	2.00	0.00	0.00	0.01	0.00	20.02	0.46	0.00	0.00	0.01	0.00
20.03	0.46	0.00	0.00	0.01	0.00	20.04	0.49	0.00	0.00	0.01	0.00
20.05	0.48	0.00	0.00	0.01	0.00	20.06	0.48	0.00	0.00	0.01	0.00
20.07	2.00	0.00	0.00	0.01	0.00	20.08	2.00	0.00	0.00	0.01	0.00
20.09	2.00	0.00	0.00	0.01	0.00	20.10	2.00	0.00	0.00	0.01	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}
20.11	2.00	0.00	0.00	0.01	0.00	20.12	2.00	0.00	0.00	0.01	0.00
20.13	2.00	0.00	0.00	0.01	0.00	20.14	2.00	0.00	0.00	0.01	0.00
20.15	2.00	0.00	0.00	0.01	0.00	20.16	2.00	0.00	0.00	0.01	0.00
20.17	2.00	0.00	0.00	0.01	0.00						

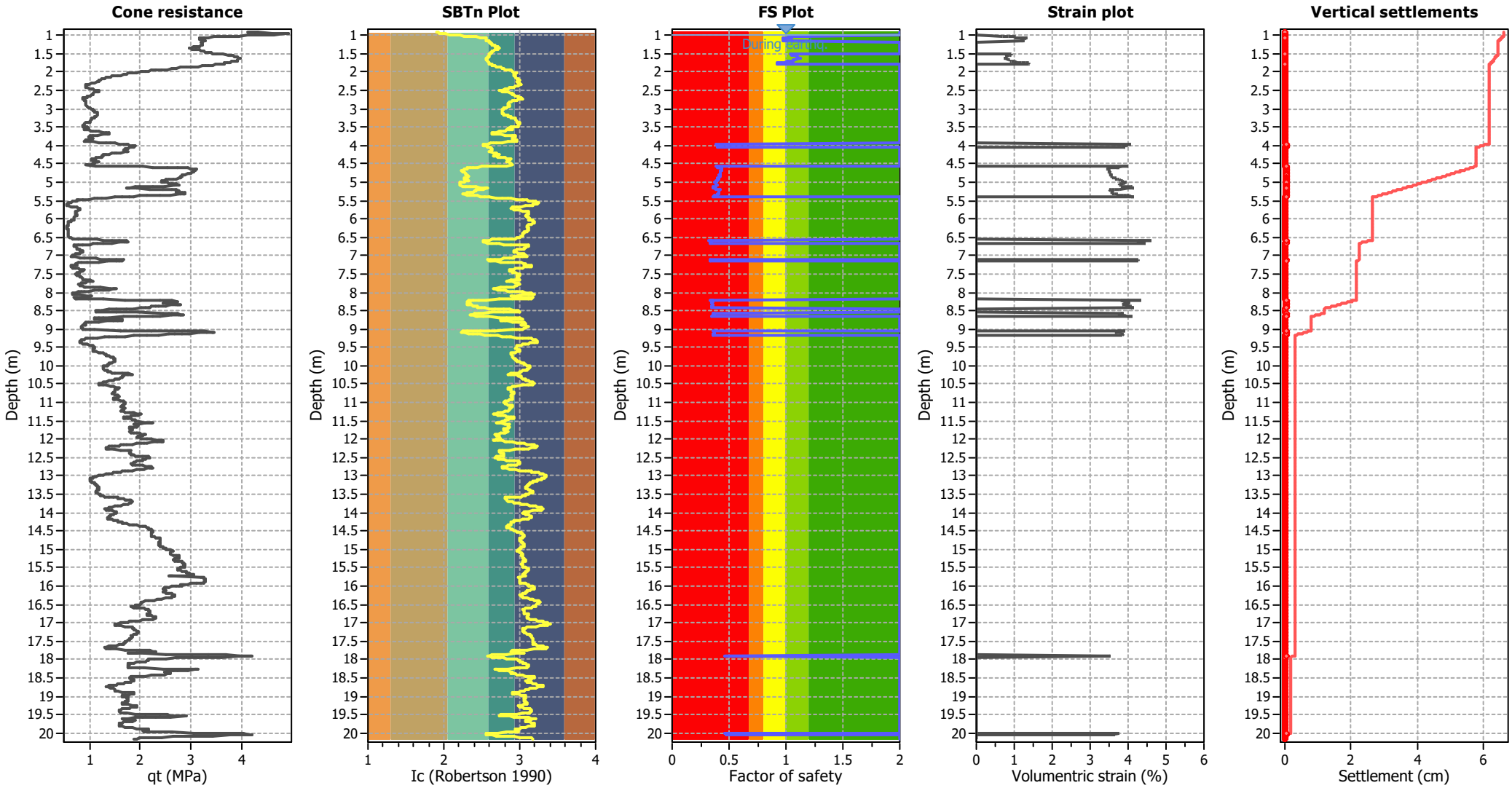
Overall liquefaction potential: 6.55

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

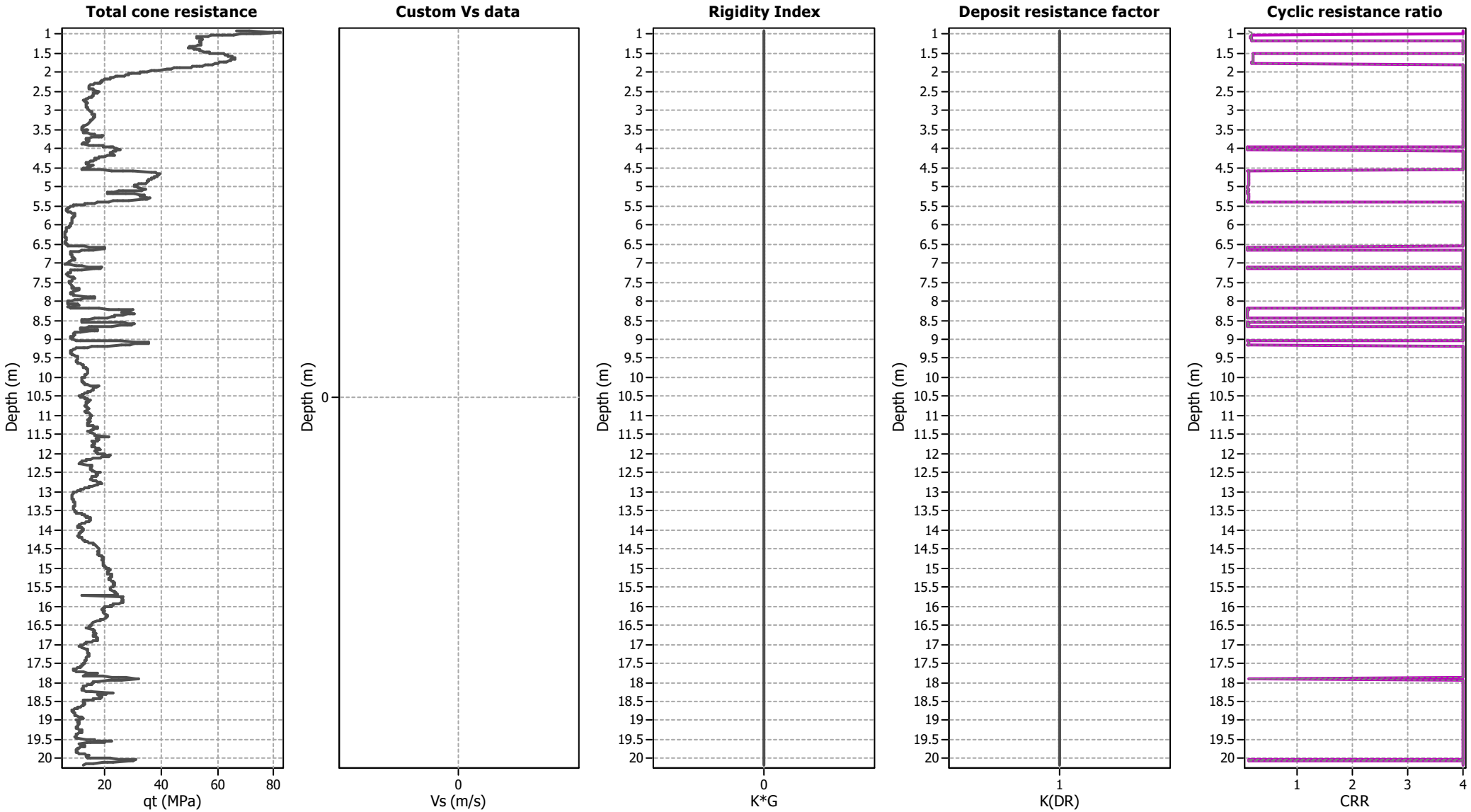
Estimation of post-earthquake settlements



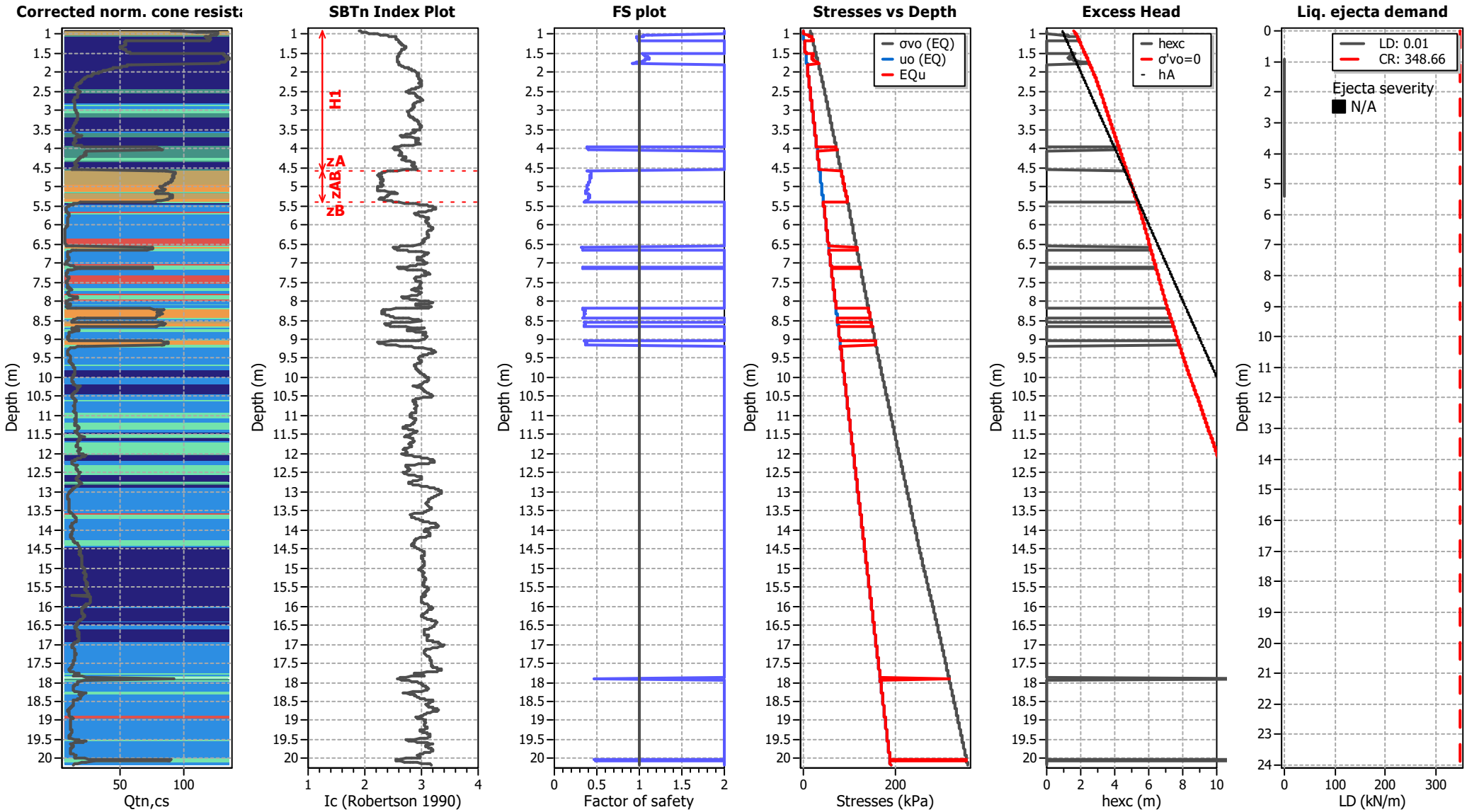
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



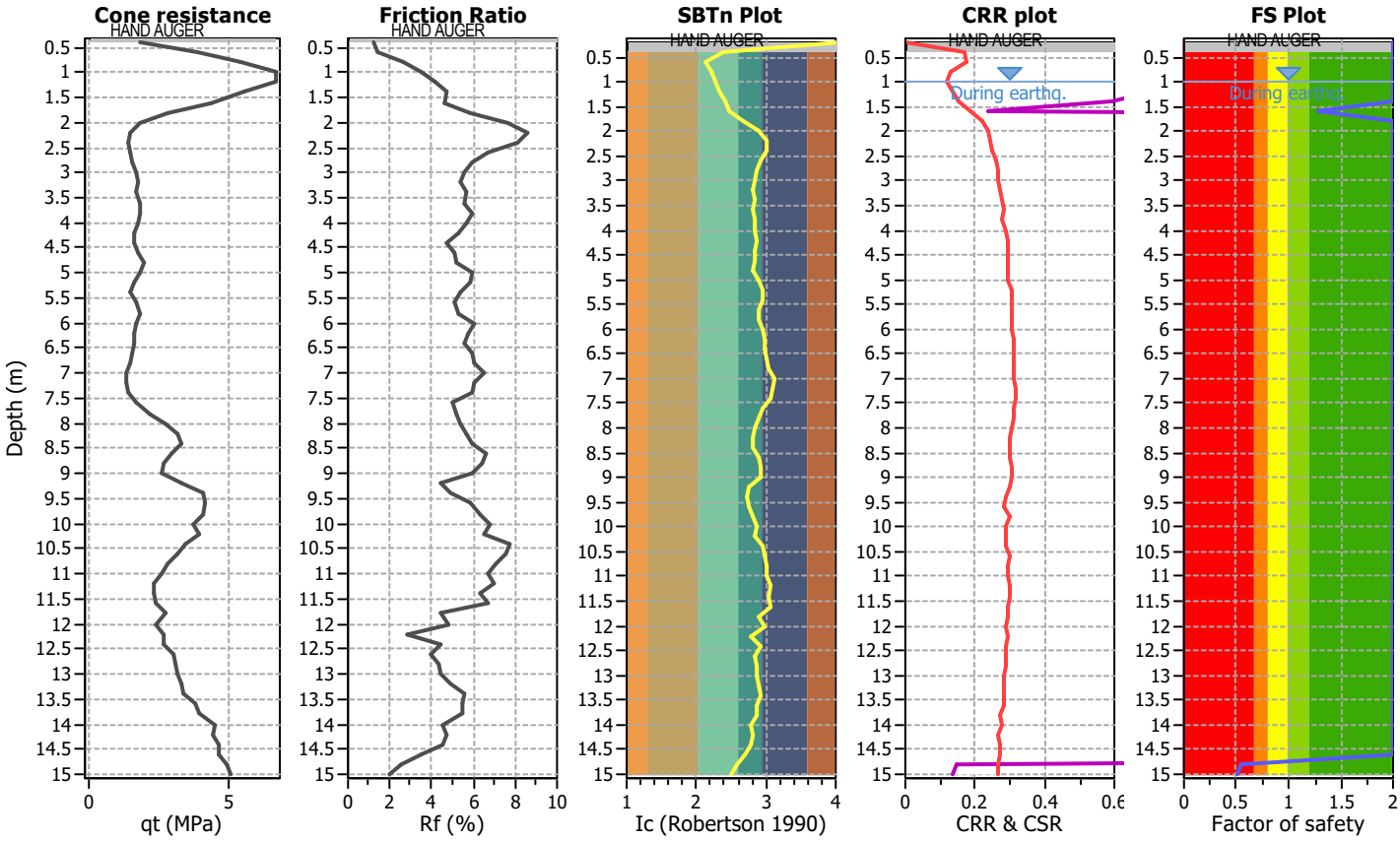
LIQUEFACTION ANALYSIS REPORT

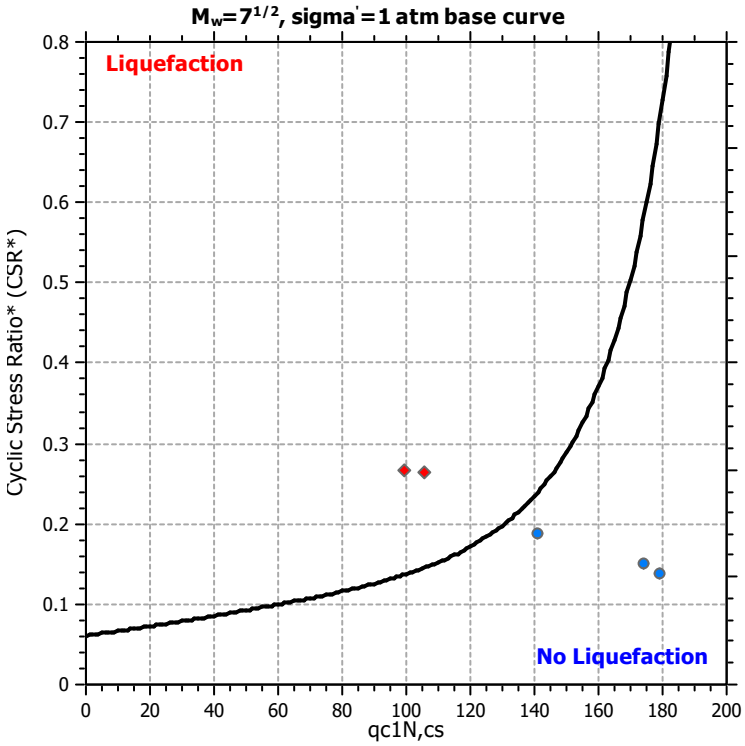
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,27**

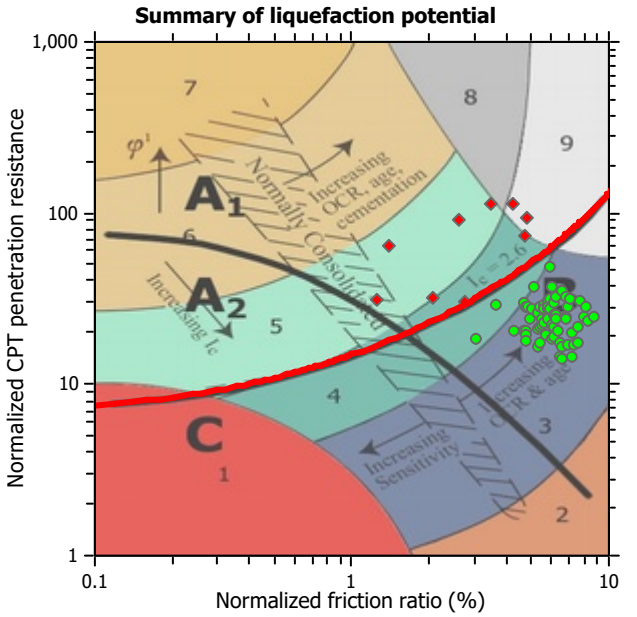
CPT file : 039017P36CPT36

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.27	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

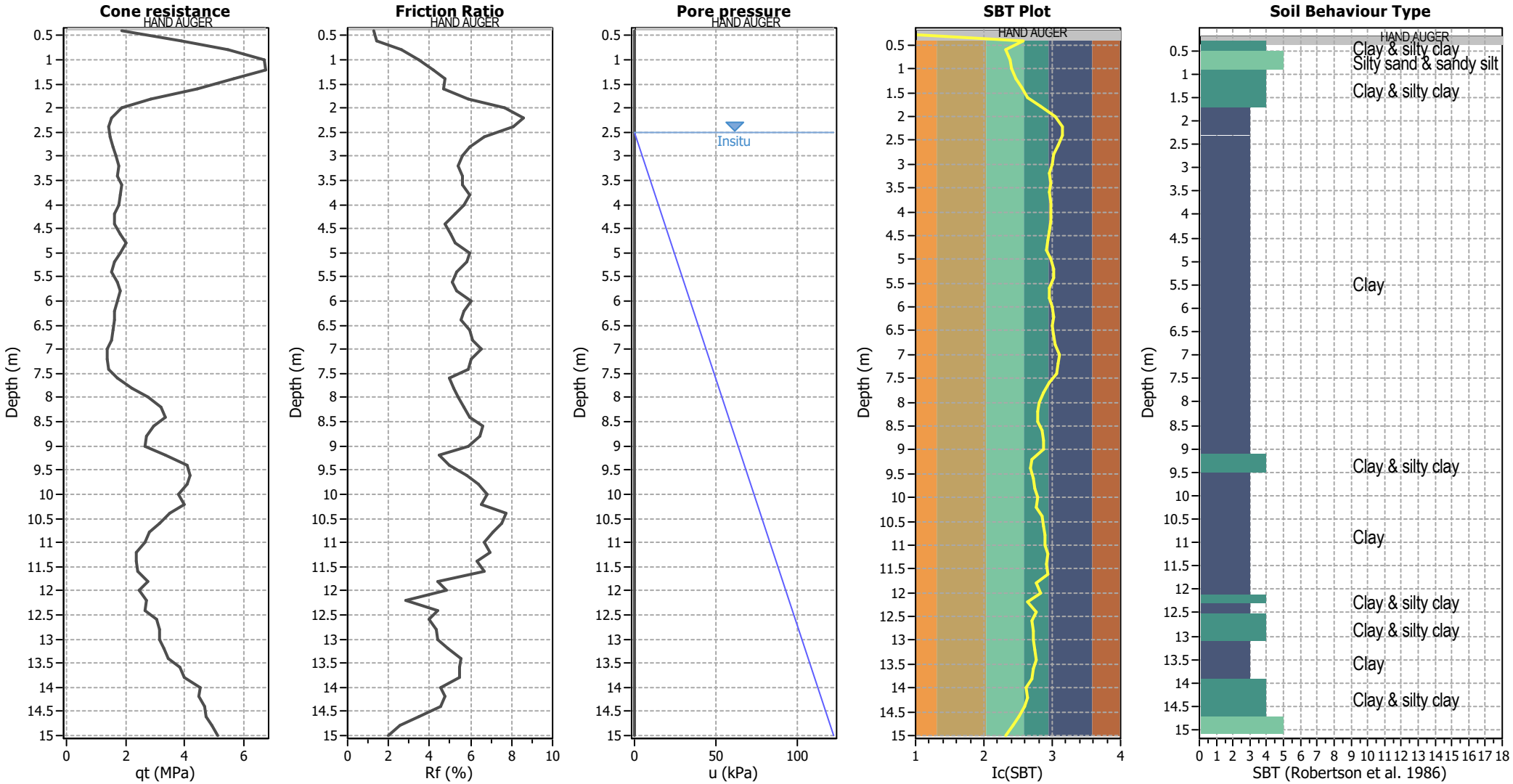






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



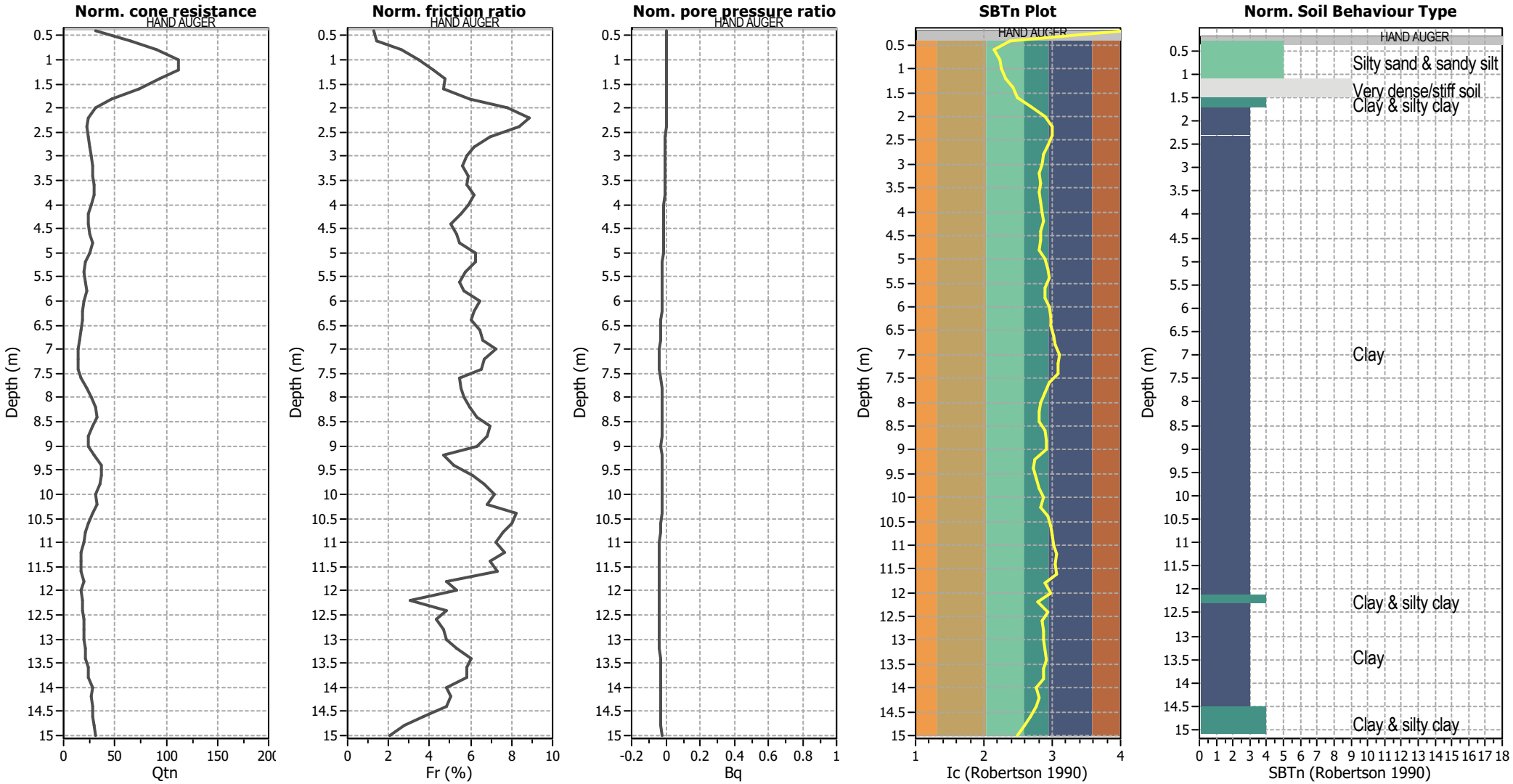
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



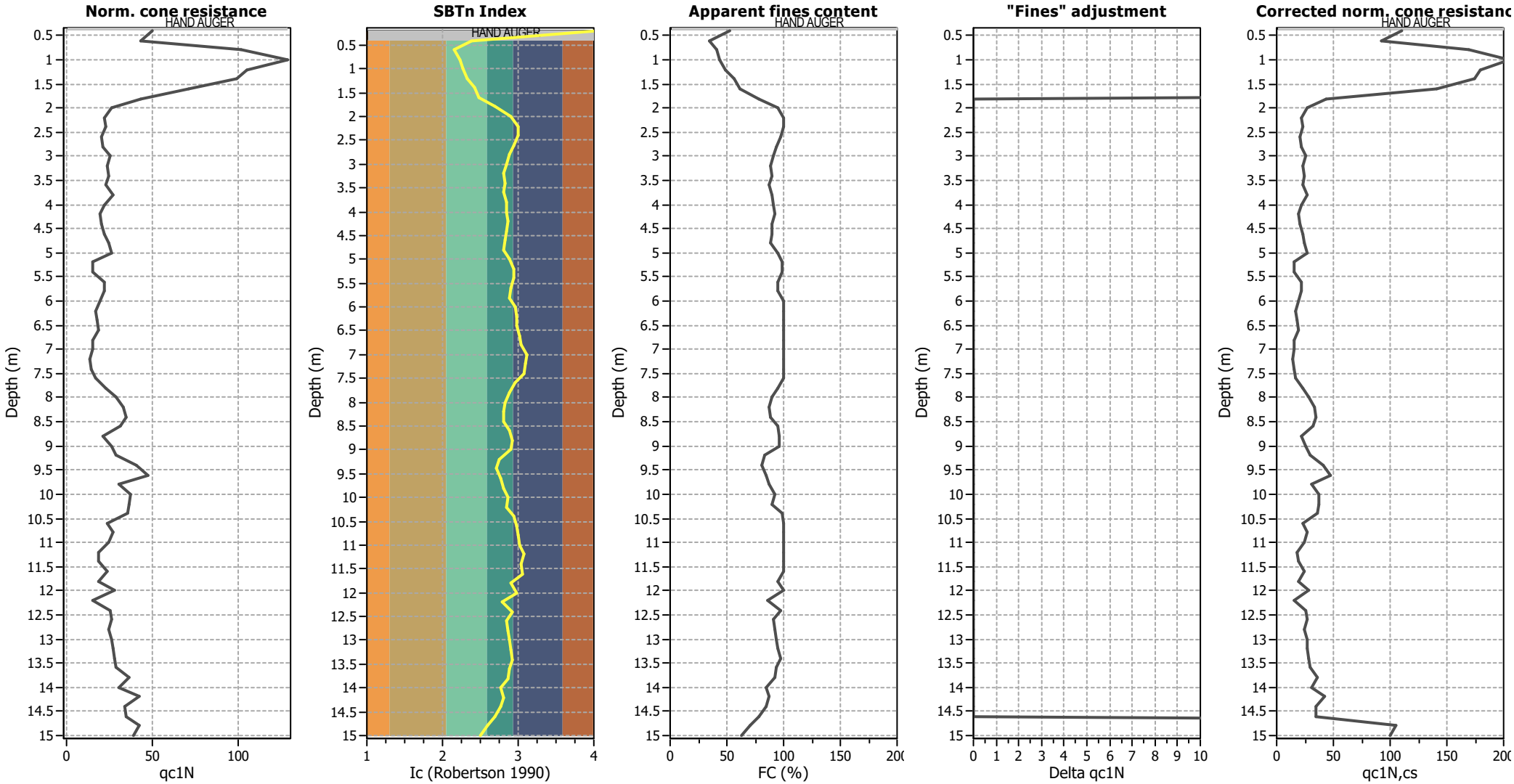
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

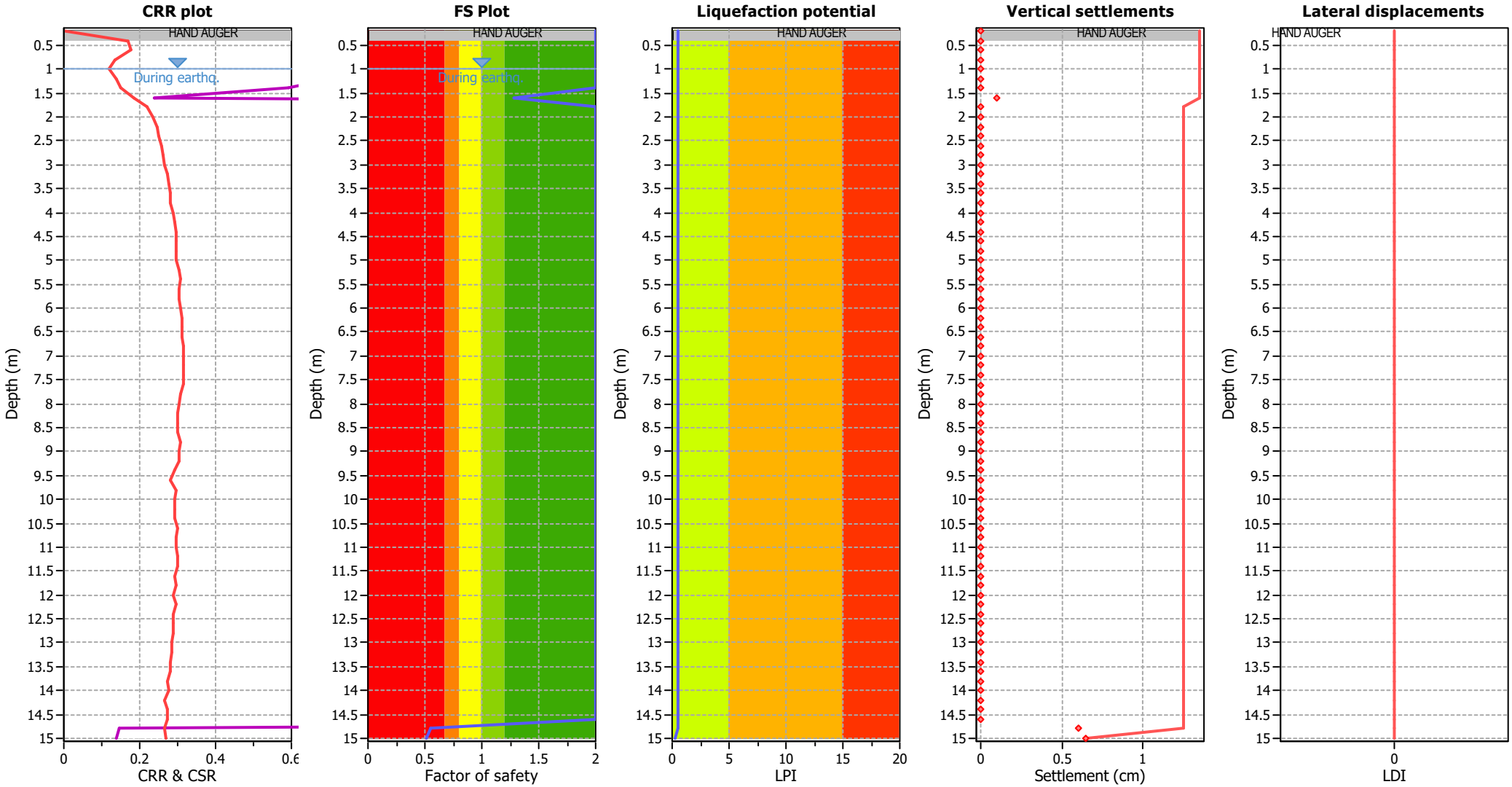
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

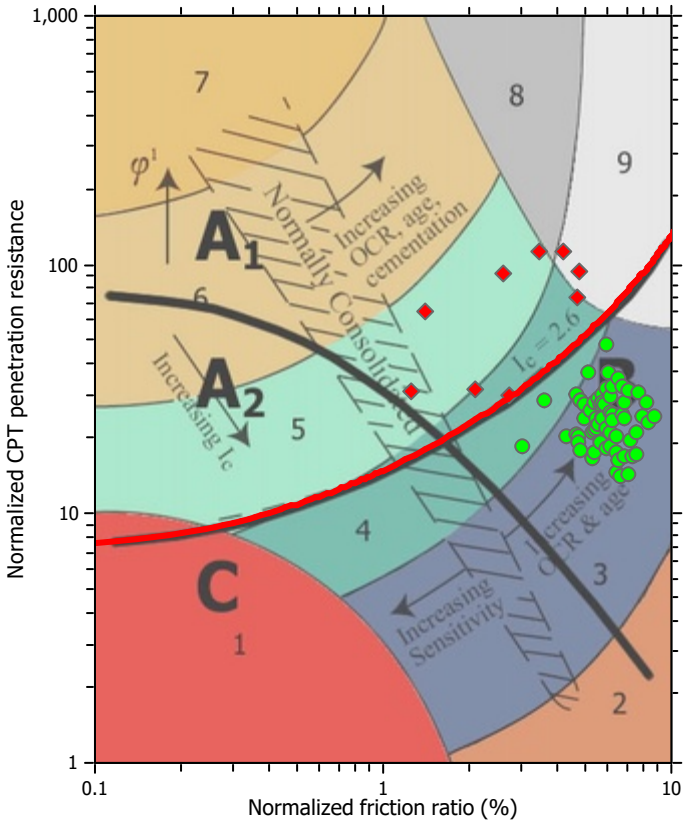
F.S. color scheme

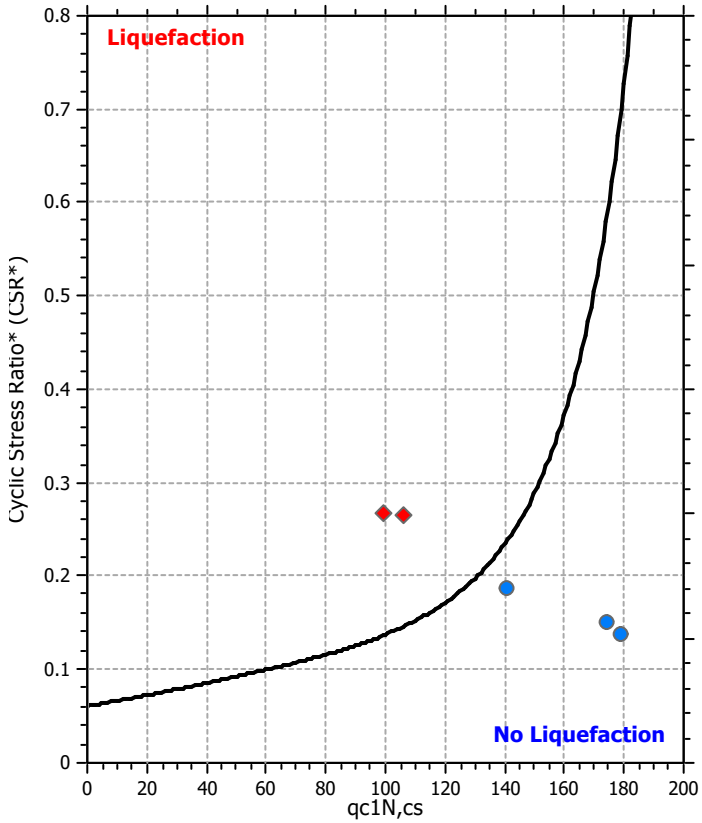
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

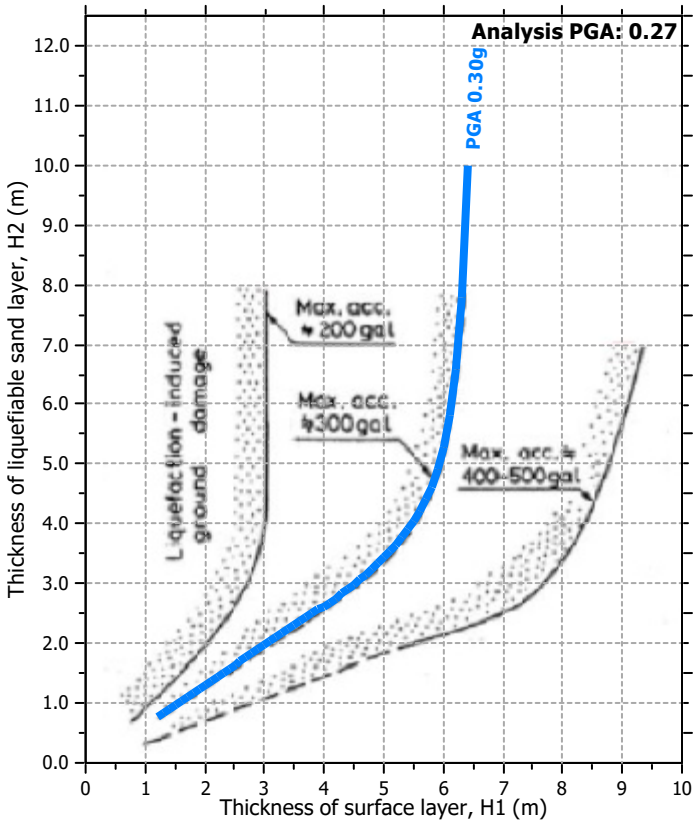
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



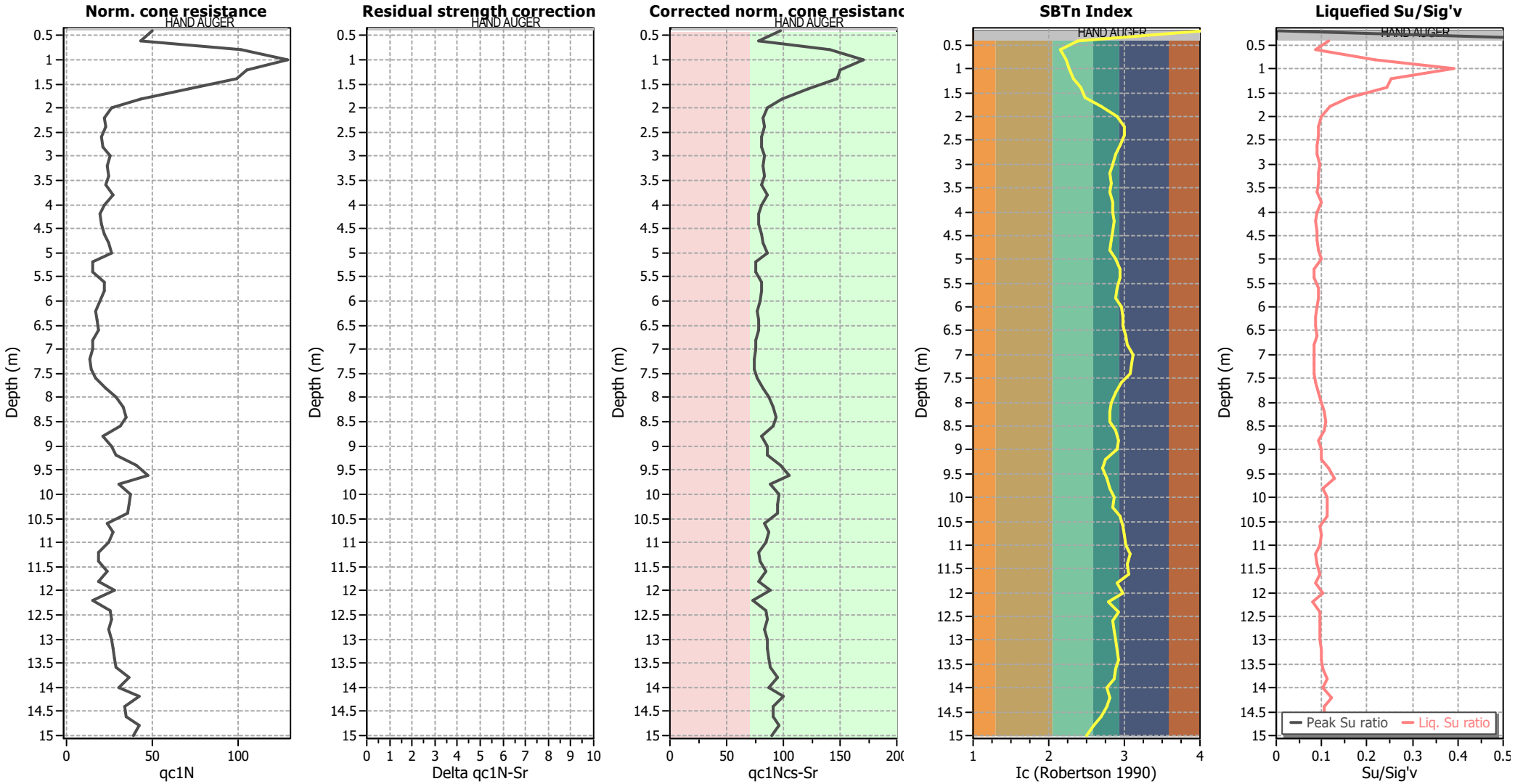




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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}
0.20	2.00	0.00	0.00	0.00	0.00	0.40	2.00	0.00	0.00	0.20	0.00
0.60	2.00	0.00	0.00	0.20	0.00	0.80	2.00	0.00	0.00	0.20	0.00
1.00	2.00	0.00	0.00	0.20	0.00	1.20	2.00	0.00	0.00	0.20	0.00
1.40	2.00	0.00	0.00	0.20	0.00	1.60	1.28	0.00	0.00	0.20	0.00
1.80	2.00	0.00	0.00	0.20	0.00	2.00	2.00	0.00	0.00	0.20	0.00
2.20	2.00	0.00	0.00	0.20	0.00	2.40	2.00	0.00	0.00	0.20	0.00
2.60	2.00	0.00	0.00	0.20	0.00	2.80	2.00	0.00	0.00	0.20	0.00
3.00	2.00	0.00	0.00	0.20	0.00	3.20	2.00	0.00	0.00	0.20	0.00
3.40	2.00	0.00	0.00	0.20	0.00	3.60	2.00	0.00	0.00	0.20	0.00
3.80	2.00	0.00	0.00	0.20	0.00	4.00	2.00	0.00	0.00	0.20	0.00
4.20	2.00	0.00	0.00	0.20	0.00	4.40	2.00	0.00	0.00	0.20	0.00
4.60	2.00	0.00	0.00	0.20	0.00	4.80	2.00	0.00	0.00	0.20	0.00
5.00	2.00	0.00	0.00	0.20	0.00	5.20	2.00	0.00	0.00	0.20	0.00
5.40	2.00	0.00	0.00	0.20	0.00	5.60	2.00	0.00	0.00	0.20	0.00
5.80	2.00	0.00	0.00	0.20	0.00	6.00	2.00	0.00	0.00	0.20	0.00
6.20	2.00	0.00	0.00	0.20	0.00	6.40	2.00	0.00	0.00	0.20	0.00
6.60	2.00	0.00	0.00	0.20	0.00	6.80	2.00	0.00	0.00	0.20	0.00
7.00	2.00	0.00	0.00	0.20	0.00	7.20	2.00	0.00	0.00	0.20	0.00
7.40	2.00	0.00	0.00	0.20	0.00	7.60	2.00	0.00	0.00	0.20	0.00
7.80	2.00	0.00	0.00	0.20	0.00	8.00	2.00	0.00	0.00	0.20	0.00
8.20	2.00	0.00	0.00	0.20	0.00	8.40	2.00	0.00	0.00	0.20	0.00
8.60	2.00	0.00	0.00	0.20	0.00	8.80	2.00	0.00	0.00	0.20	0.00
9.00	2.00	0.00	0.00	0.20	0.00	9.20	2.00	0.00	0.00	0.20	0.00
9.40	2.00	0.00	0.00	0.20	0.00	9.60	2.00	0.00	0.00	0.20	0.00
9.80	2.00	0.00	0.00	0.20	0.00	10.00	2.00	0.00	0.00	0.20	0.00
10.20	2.00	0.00	0.00	0.20	0.00	10.40	2.00	0.00	0.00	0.20	0.00
10.60	2.00	0.00	0.00	0.20	0.00	10.80	2.00	0.00	0.00	0.20	0.00
11.00	2.00	0.00	0.00	0.20	0.00	11.20	2.00	0.00	0.00	0.20	0.00
11.40	2.00	0.00	0.00	0.20	0.00	11.60	2.00	0.00	0.00	0.20	0.00
11.80	2.00	0.00	0.00	0.20	0.00	12.00	2.00	0.00	0.00	0.20	0.00
12.20	2.00	0.00	0.00	0.20	0.00	12.40	2.00	0.00	0.00	0.20	0.00
12.60	2.00	0.00	0.00	0.20	0.00	12.80	2.00	0.00	0.00	0.20	0.00
13.00	2.00	0.00	0.00	0.20	0.00	13.20	2.00	0.00	0.00	0.20	0.00
13.40	2.00	0.00	0.00	0.20	0.00	13.60	2.00	0.00	0.00	0.20	0.00
13.80	2.00	0.00	0.00	0.20	0.00	14.00	2.00	0.00	0.00	0.20	0.00
14.20	2.00	0.00	0.00	0.20	0.00	14.40	2.00	0.00	0.00	0.20	0.00
14.60	2.00	0.00	0.00	0.20	0.00	14.80	0.55	0.45	0.54	0.20	0.23
15.00	0.51	0.49	0.49	0.20	0.24						

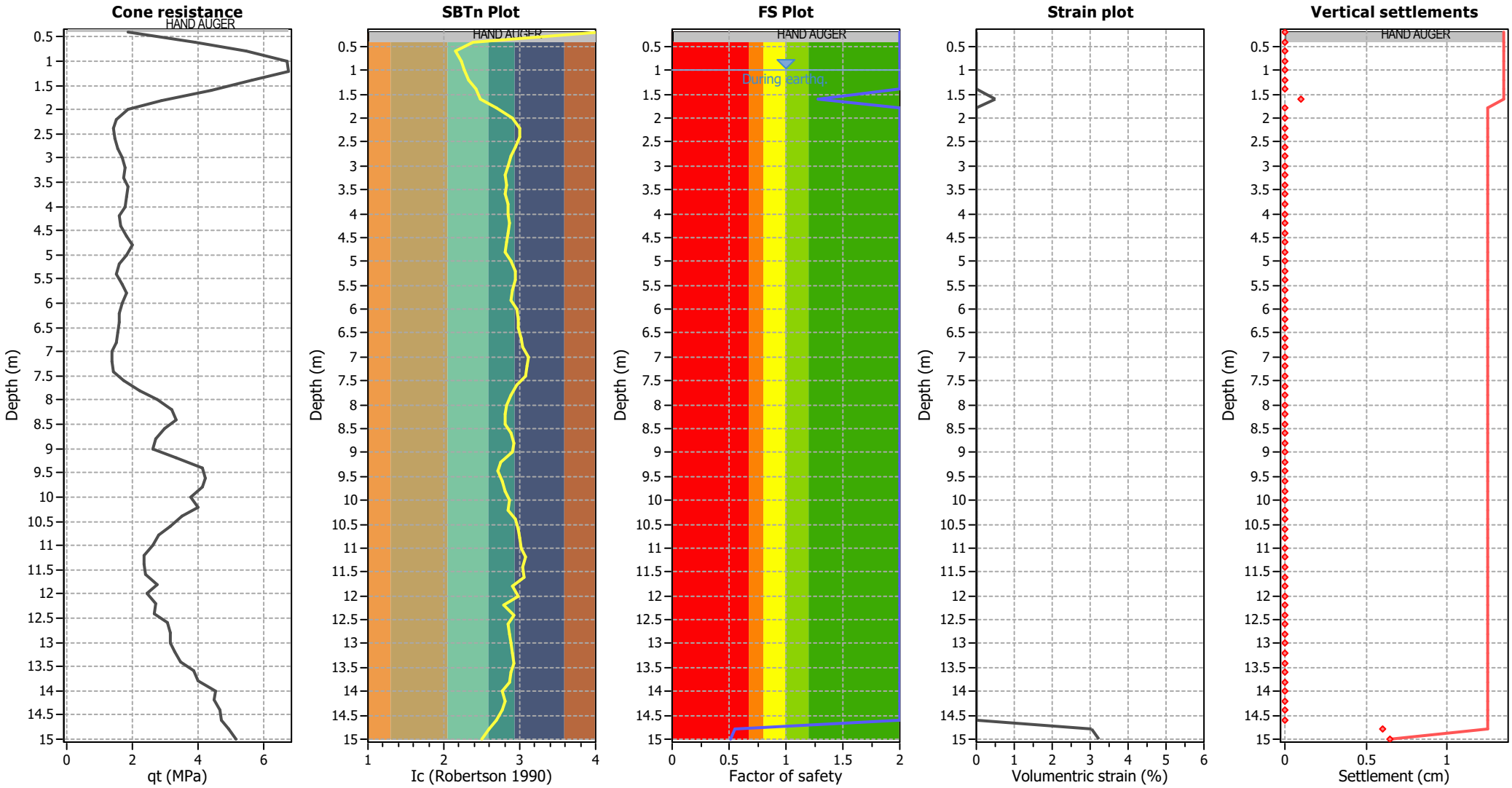
Overall liquefaction potential: 0.48

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

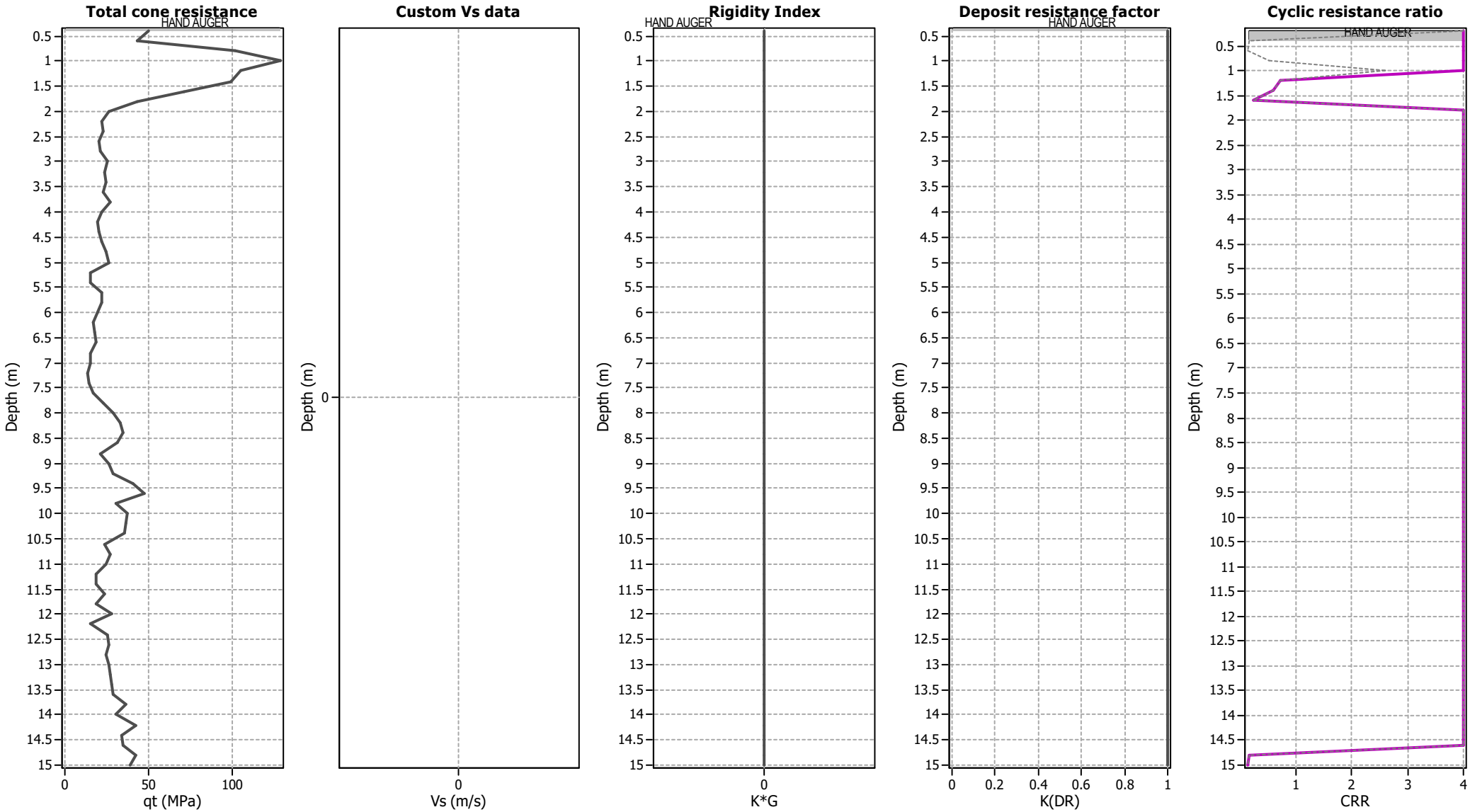
Estimation of post-earthquake settlements



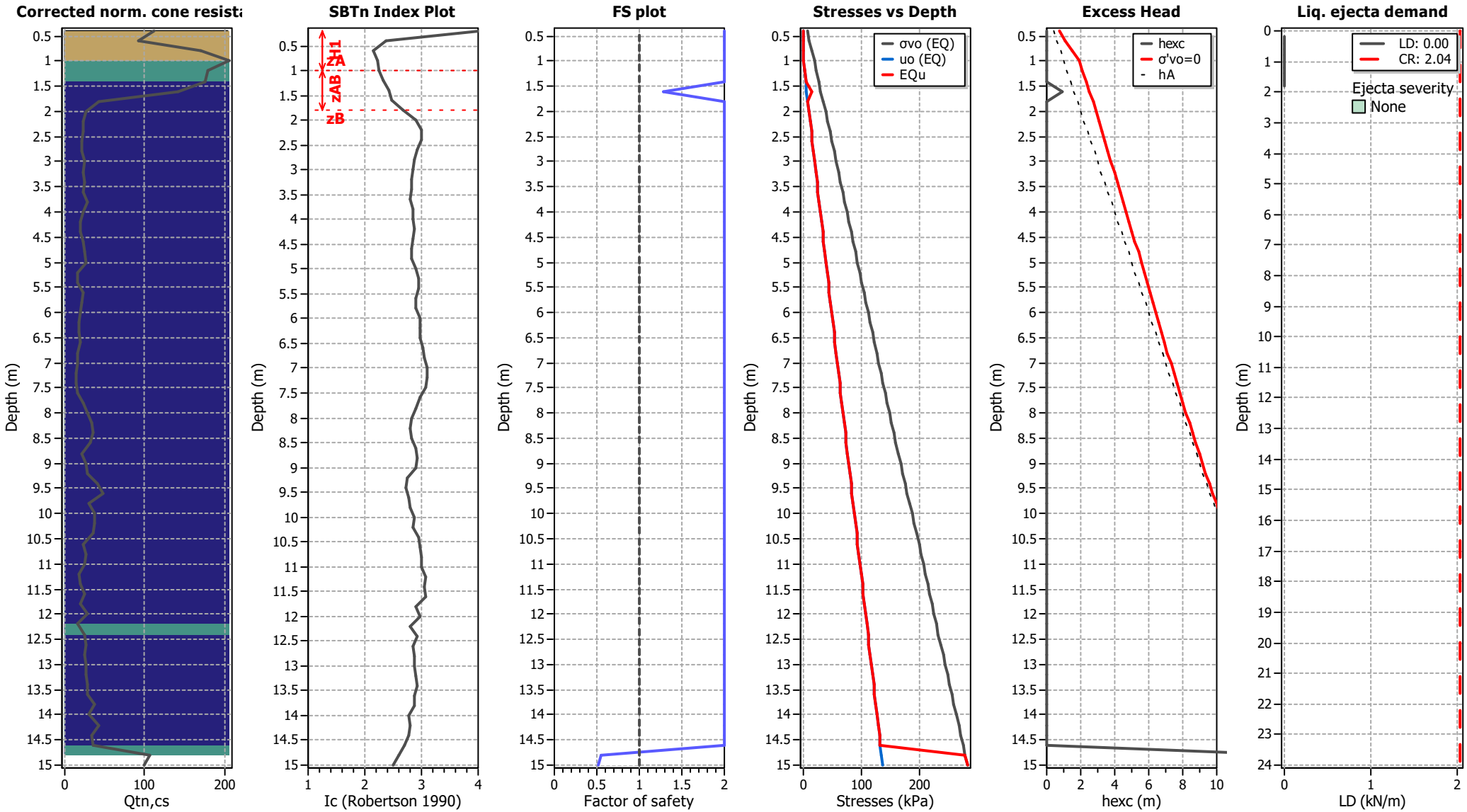
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation



Ejecta Severity Estimation



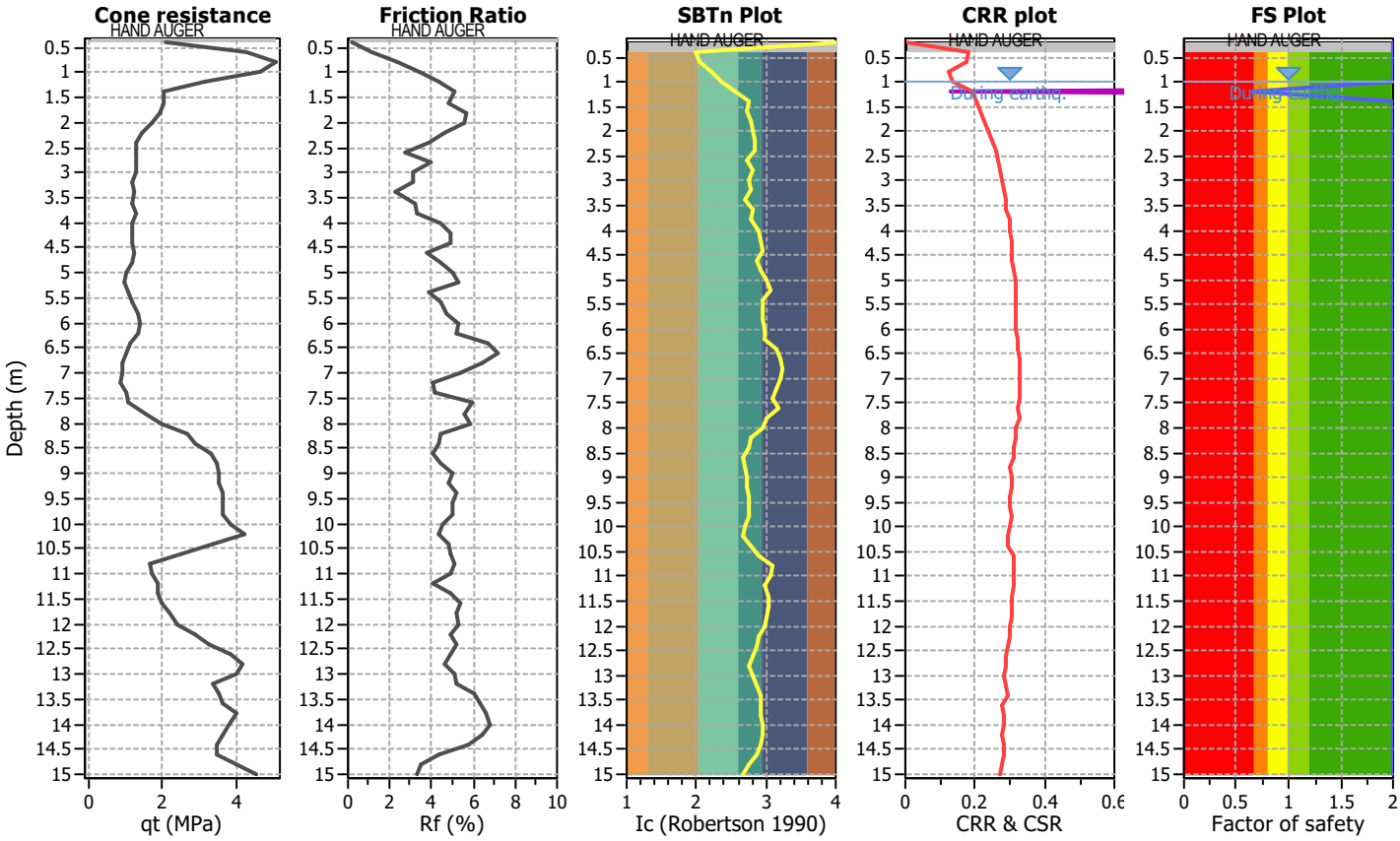
LIQUEFACTION ANALYSIS REPORT

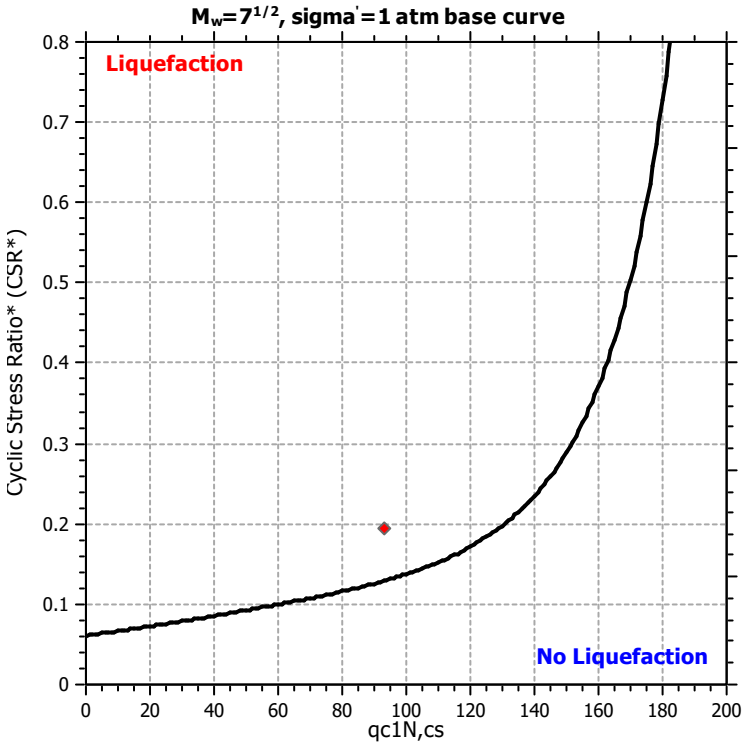
Project title : Microzonazione Sismica III livello **Location : Sant'Agata sul Santerno Agp 0,27**

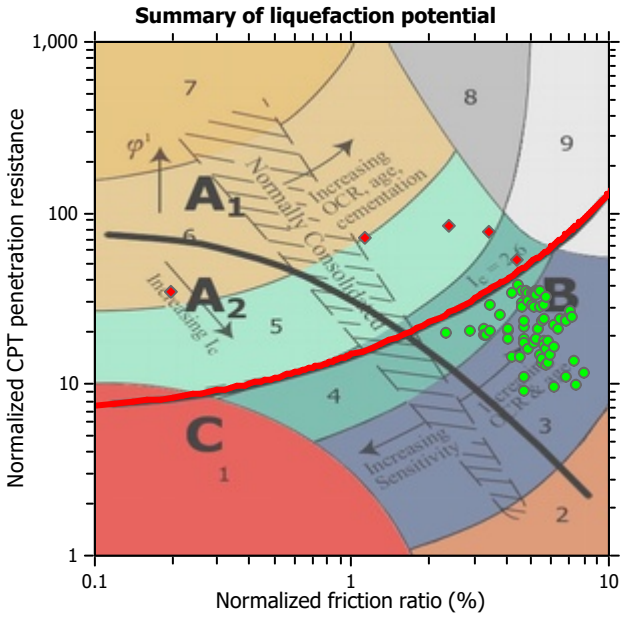
CPT file : 039017P38CPT38

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 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:	No
Earthquake magnitude M_w:	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.27	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

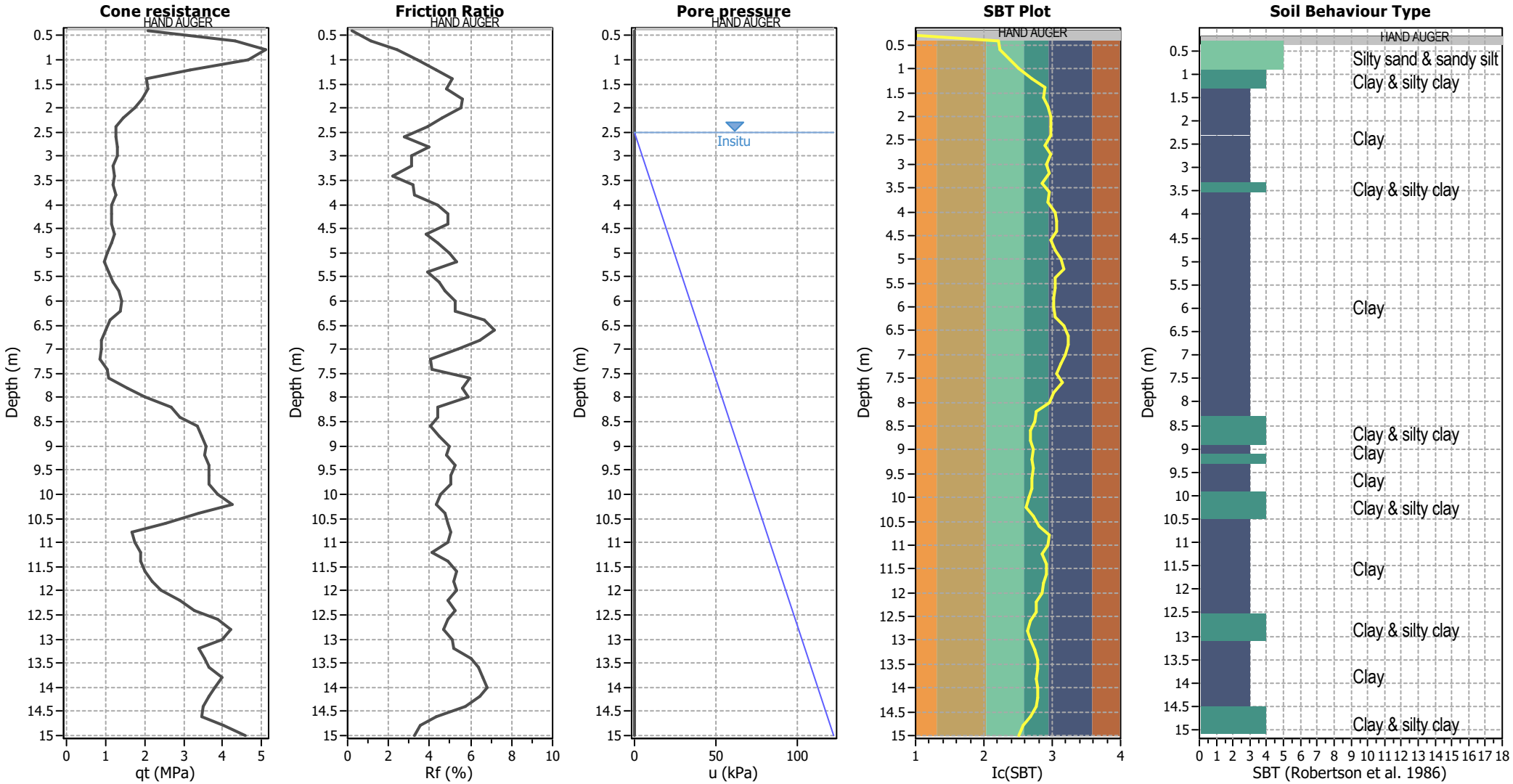






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



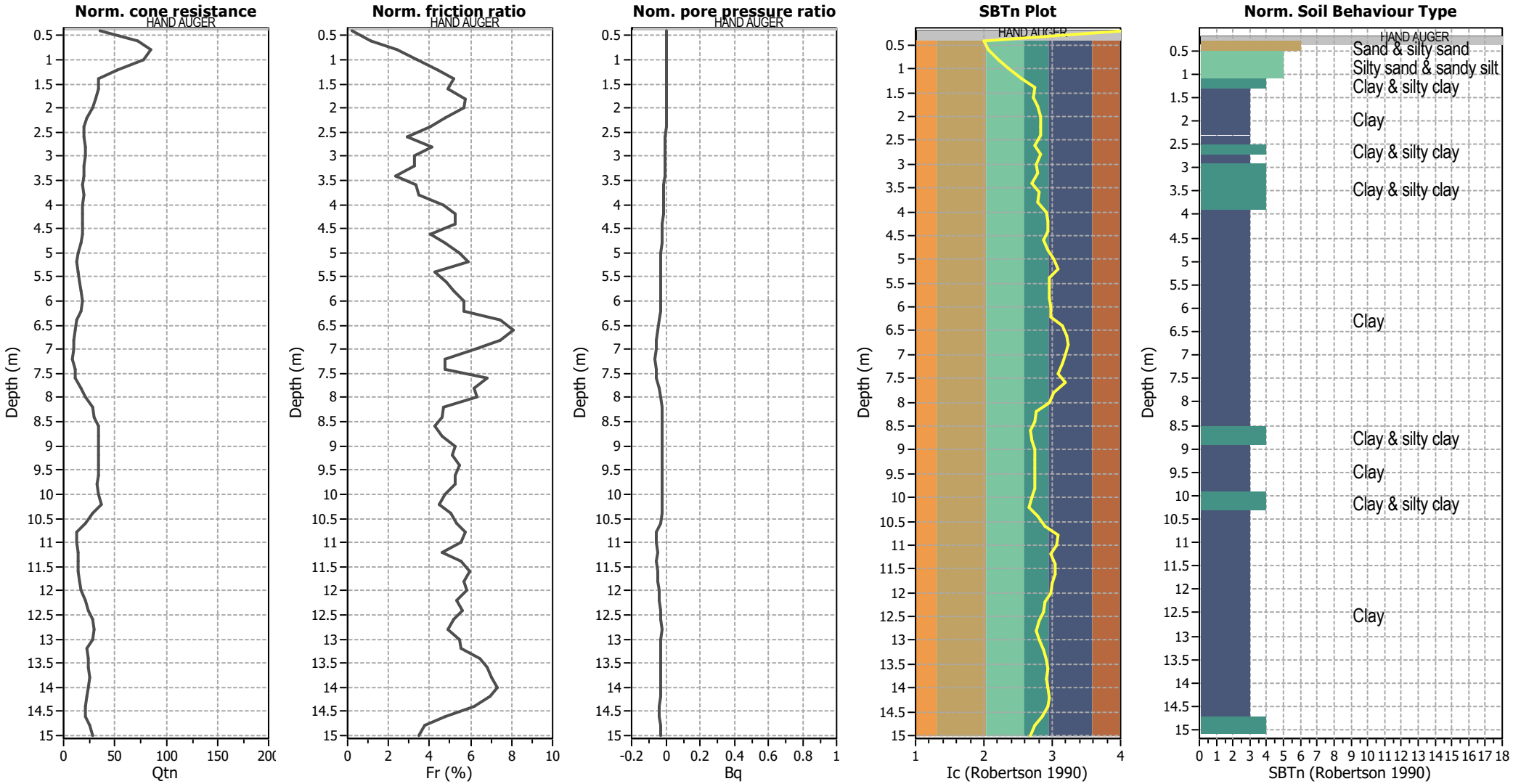
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



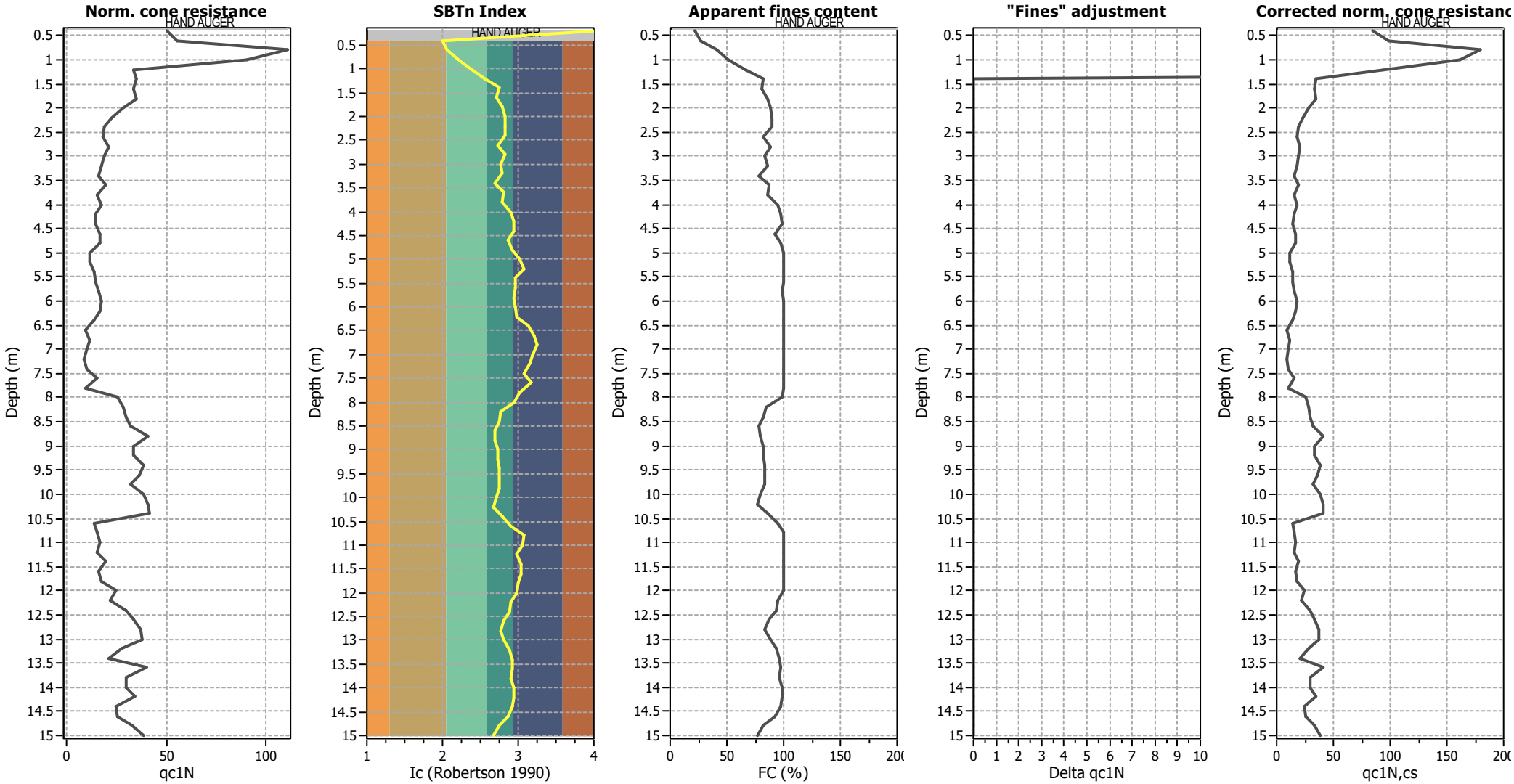
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

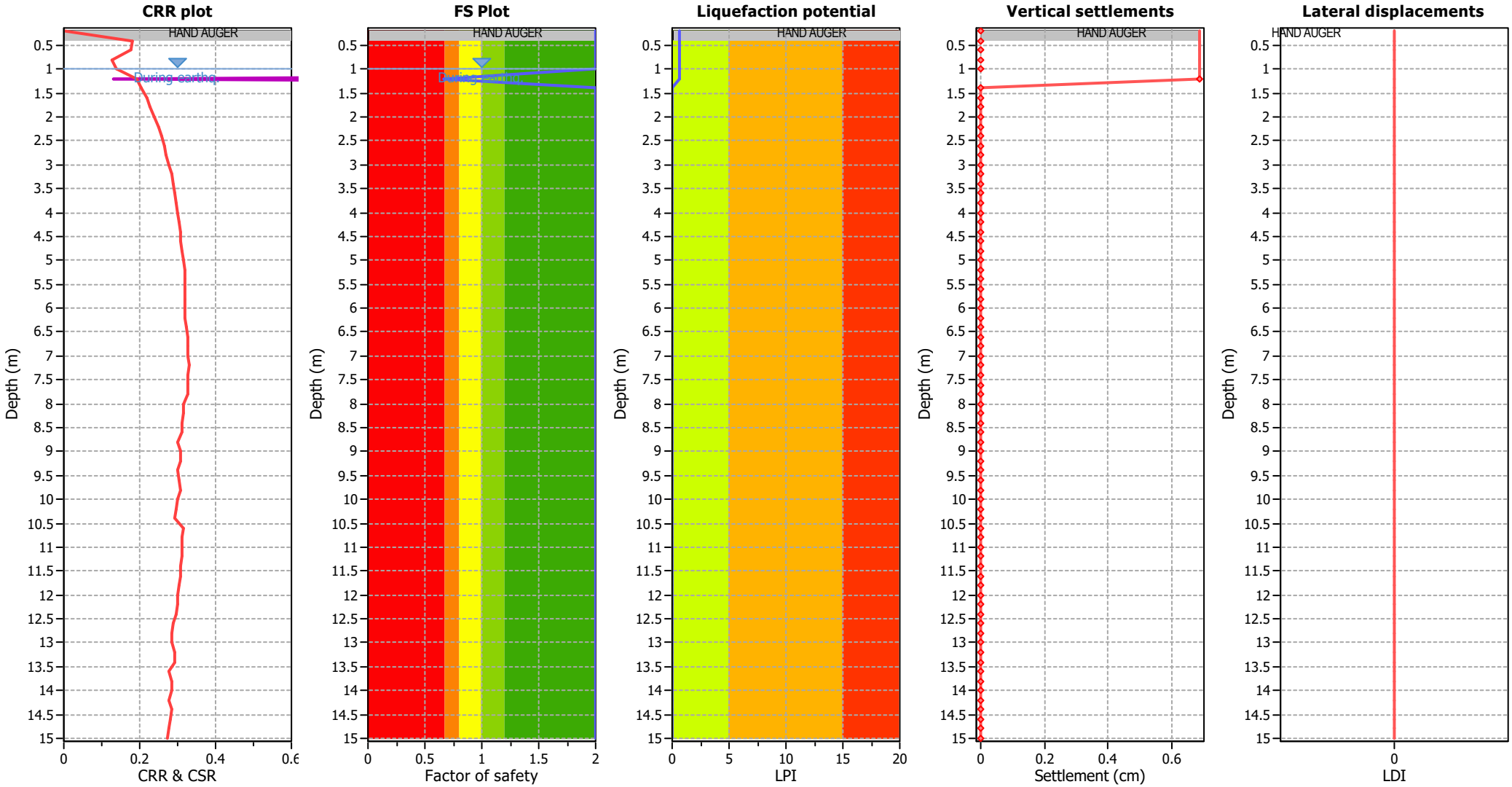
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

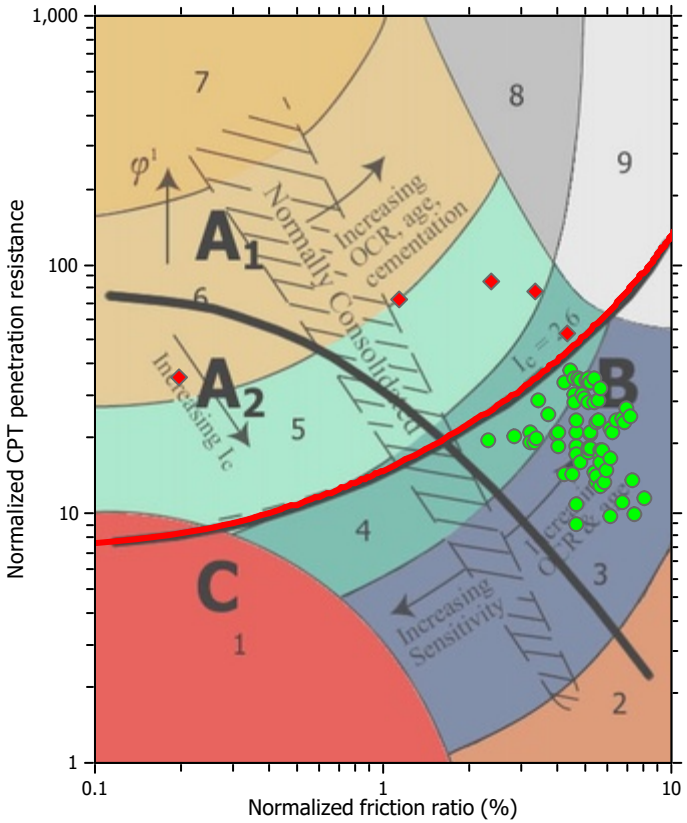
F.S. color scheme

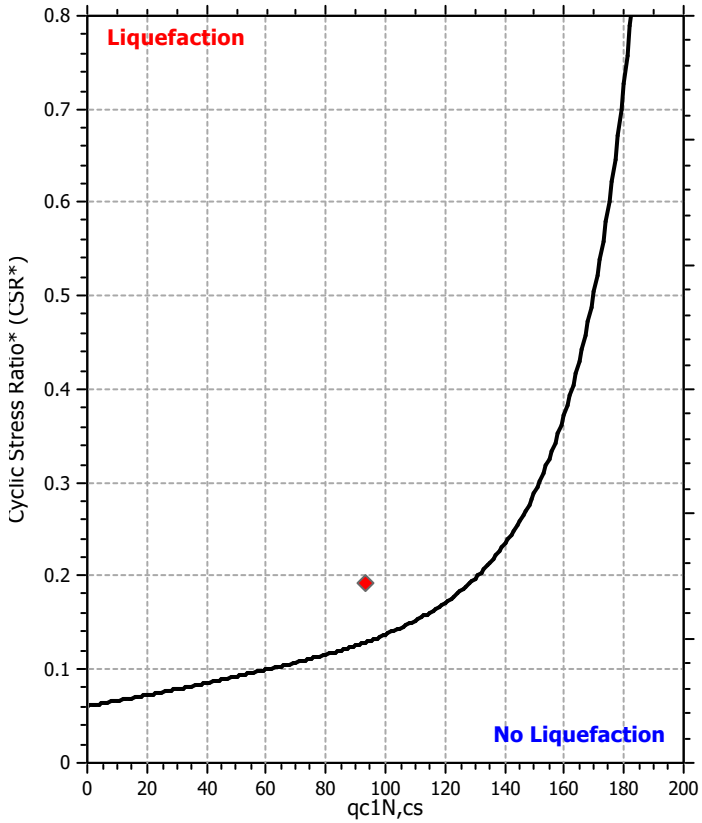
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

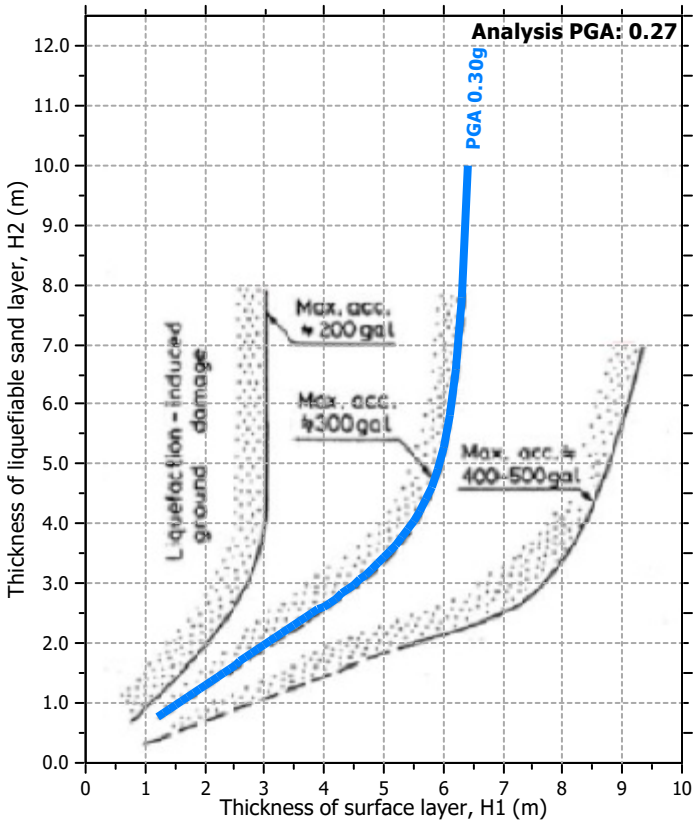
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



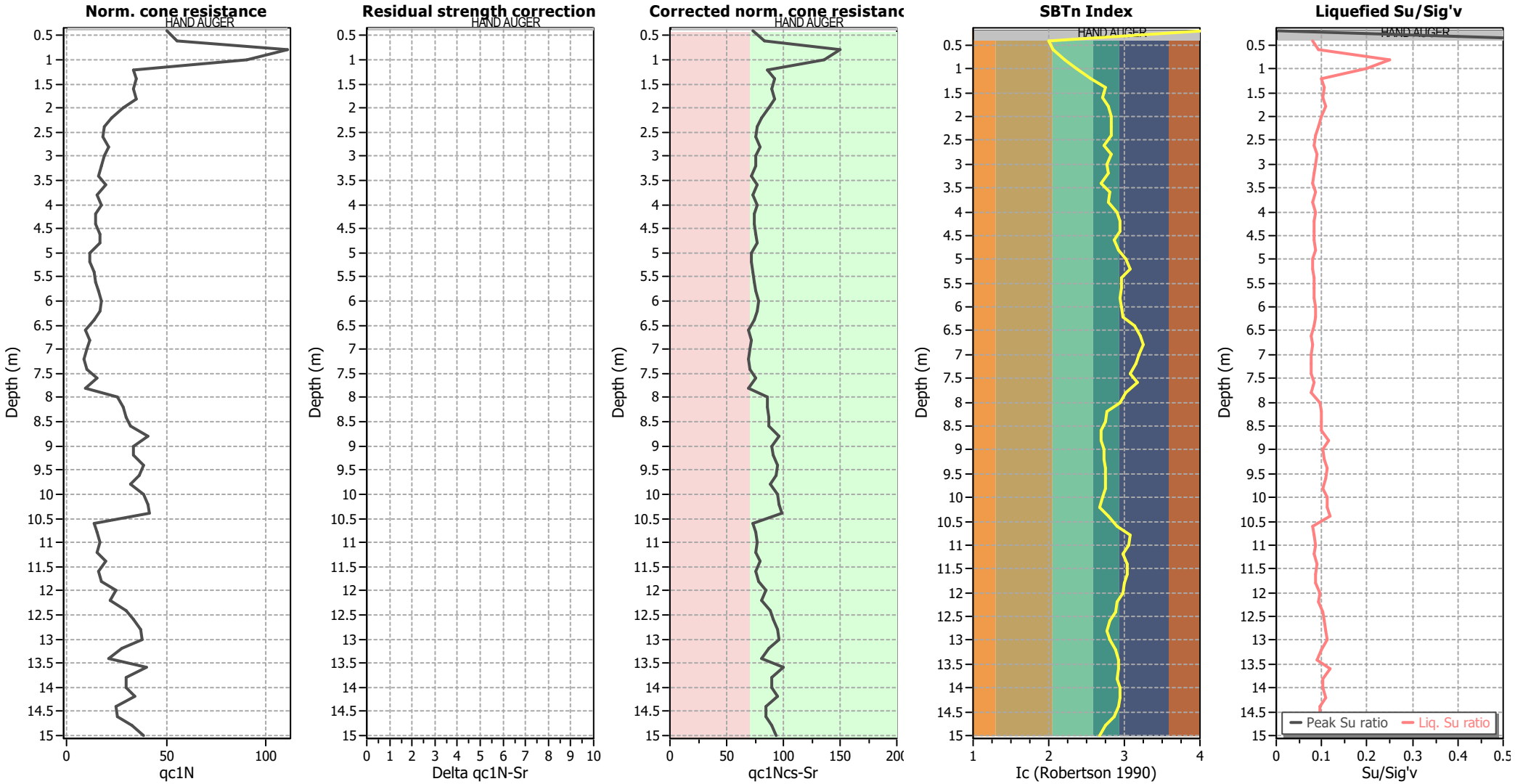




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

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



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.27	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	N/A

:: 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}
0.20	2.00	0.00	0.00	0.00	0.00	0.40	2.00	0.00	0.00	0.20	0.00
0.60	2.00	0.00	0.00	0.20	0.00	0.80	2.00	0.00	0.00	0.20	0.00
1.00	2.00	0.00	0.00	0.20	0.00	1.20	0.67	0.33	0.81	0.20	0.62
1.40	2.00	0.00	0.00	0.20	0.00	1.60	2.00	0.00	0.00	0.20	0.00
1.80	2.00	0.00	0.00	0.20	0.00	2.00	2.00	0.00	0.00	0.20	0.00
2.20	2.00	0.00	0.00	0.20	0.00	2.40	2.00	0.00	0.00	0.20	0.00
2.60	2.00	0.00	0.00	0.20	0.00	2.80	2.00	0.00	0.00	0.20	0.00
3.00	2.00	0.00	0.00	0.20	0.00	3.20	2.00	0.00	0.00	0.20	0.00
3.40	2.00	0.00	0.00	0.20	0.00	3.60	2.00	0.00	0.00	0.20	0.00
3.80	2.00	0.00	0.00	0.20	0.00	4.00	2.00	0.00	0.00	0.20	0.00
4.20	2.00	0.00	0.00	0.20	0.00	4.40	2.00	0.00	0.00	0.20	0.00
4.60	2.00	0.00	0.00	0.20	0.00	4.80	2.00	0.00	0.00	0.20	0.00
5.00	2.00	0.00	0.00	0.20	0.00	5.20	2.00	0.00	0.00	0.20	0.00
5.40	2.00	0.00	0.00	0.20	0.00	5.60	2.00	0.00	0.00	0.20	0.00
5.80	2.00	0.00	0.00	0.20	0.00	6.00	2.00	0.00	0.00	0.20	0.00
6.20	2.00	0.00	0.00	0.20	0.00	6.40	2.00	0.00	0.00	0.20	0.00
6.60	2.00	0.00	0.00	0.20	0.00	6.80	2.00	0.00	0.00	0.20	0.00
7.00	2.00	0.00	0.00	0.20	0.00	7.20	2.00	0.00	0.00	0.20	0.00
7.40	2.00	0.00	0.00	0.20	0.00	7.60	2.00	0.00	0.00	0.20	0.00
7.80	2.00	0.00	0.00	0.20	0.00	8.00	2.00	0.00	0.00	0.20	0.00
8.20	2.00	0.00	0.00	0.20	0.00	8.40	2.00	0.00	0.00	0.20	0.00
8.60	2.00	0.00	0.00	0.20	0.00	8.80	2.00	0.00	0.00	0.20	0.00
9.00	2.00	0.00	0.00	0.20	0.00	9.20	2.00	0.00	0.00	0.20	0.00
9.40	2.00	0.00	0.00	0.20	0.00	9.60	2.00	0.00	0.00	0.20	0.00
9.80	2.00	0.00	0.00	0.20	0.00	10.00	2.00	0.00	0.00	0.20	0.00
10.20	2.00	0.00	0.00	0.20	0.00	10.40	2.00	0.00	0.00	0.20	0.00
10.60	2.00	0.00	0.00	0.20	0.00	10.80	2.00	0.00	0.00	0.20	0.00
11.00	2.00	0.00	0.00	0.20	0.00	11.20	2.00	0.00	0.00	0.20	0.00
11.40	2.00	0.00	0.00	0.20	0.00	11.60	2.00	0.00	0.00	0.20	0.00
11.80	2.00	0.00	0.00	0.20	0.00	12.00	2.00	0.00	0.00	0.20	0.00
12.20	2.00	0.00	0.00	0.20	0.00	12.40	2.00	0.00	0.00	0.20	0.00
12.60	2.00	0.00	0.00	0.20	0.00	12.80	2.00	0.00	0.00	0.20	0.00
13.00	2.00	0.00	0.00	0.20	0.00	13.20	2.00	0.00	0.00	0.20	0.00
13.40	2.00	0.00	0.00	0.20	0.00	13.60	2.00	0.00	0.00	0.20	0.00
13.80	2.00	0.00	0.00	0.20	0.00	14.00	2.00	0.00	0.00	0.20	0.00
14.20	2.00	0.00	0.00	0.20	0.00	14.40	2.00	0.00	0.00	0.20	0.00
14.60	2.00	0.00	0.00	0.20	0.00	14.80	2.00	0.00	0.00	0.20	0.00
15.00	2.00	0.00	0.00	0.20	0.00						

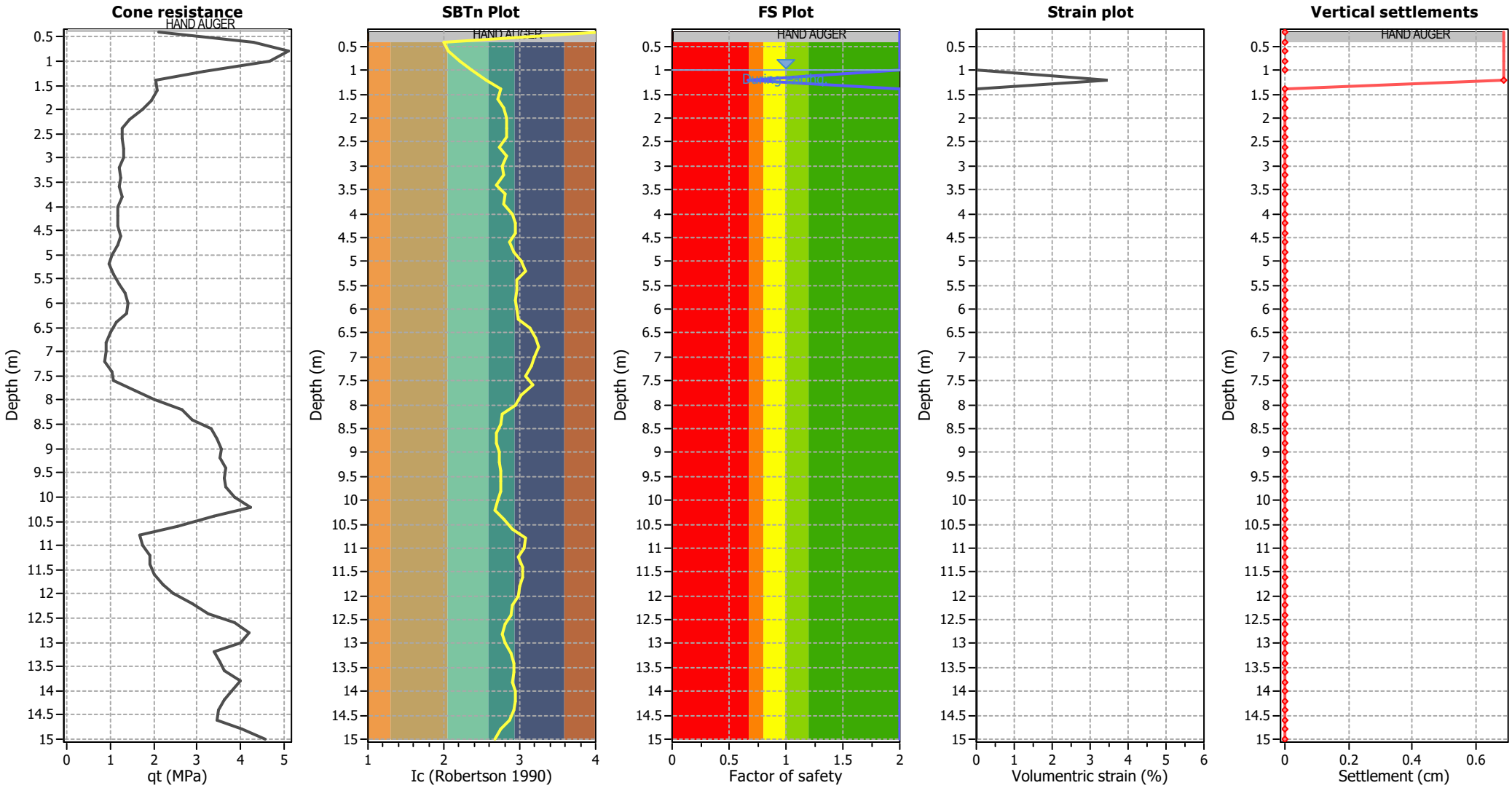
Overall liquefaction potential: 0.62

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

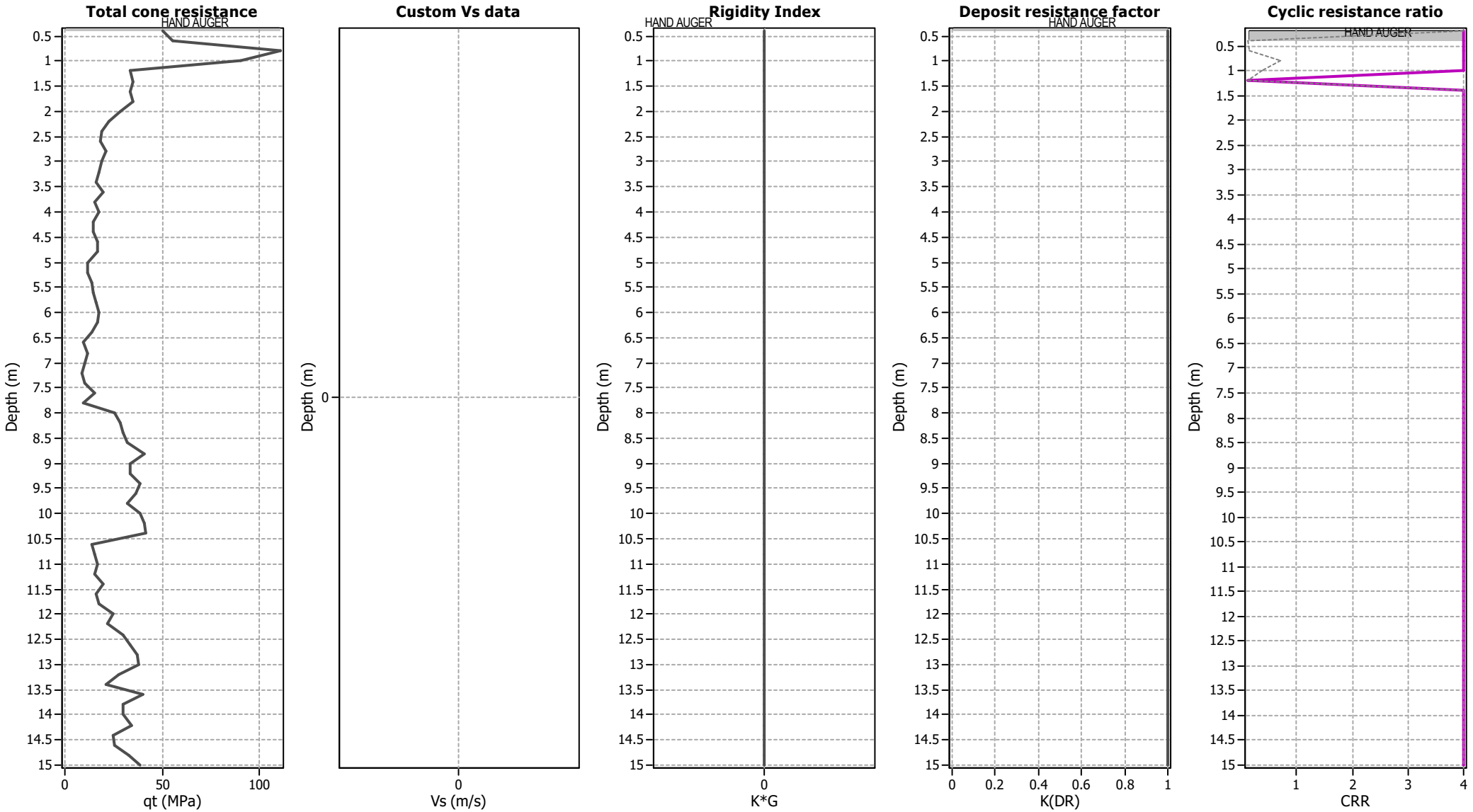
Estimation of post-earthquake settlements



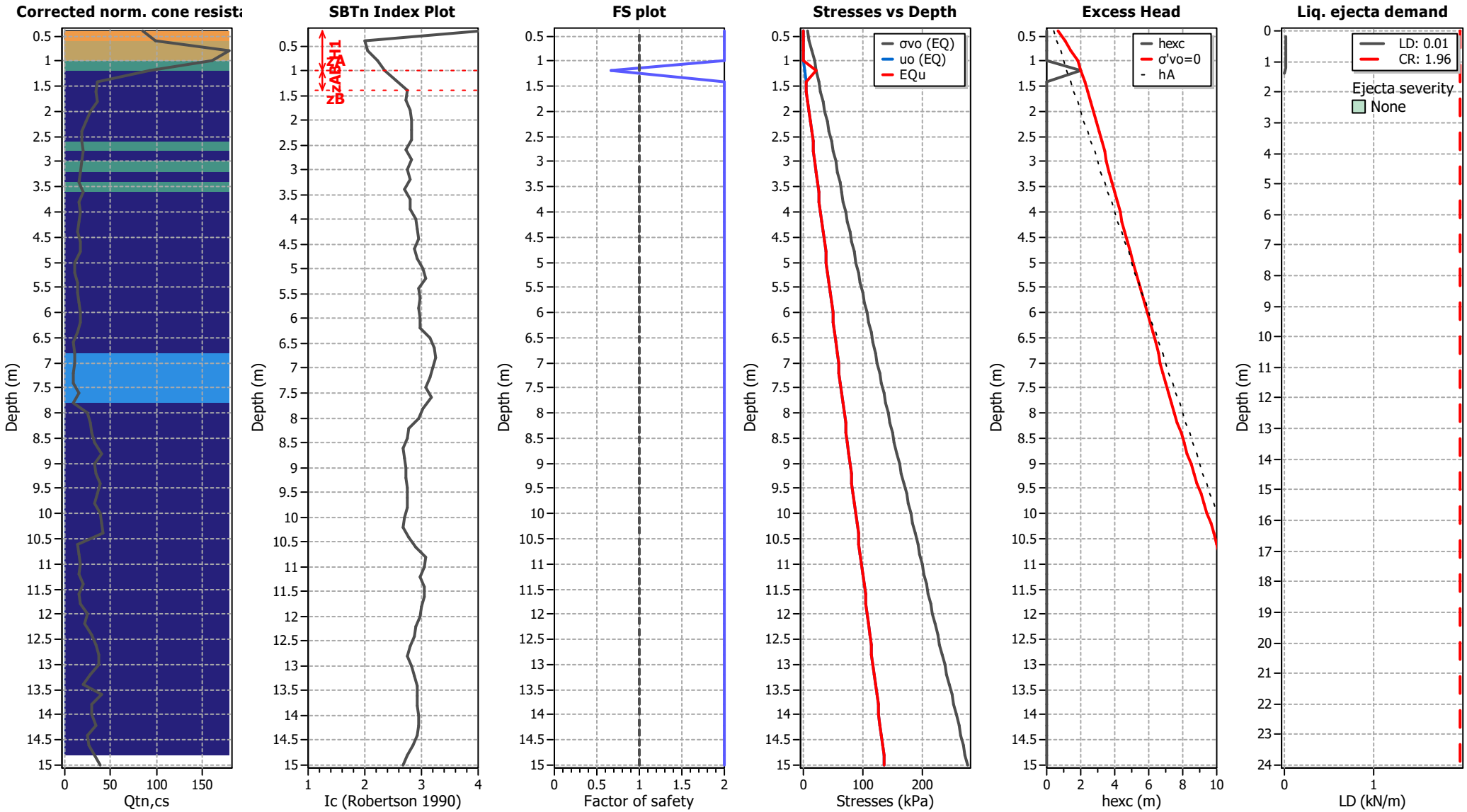
Abbreviations

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
Volumentric strain:	Post-liquefaction volumentric strain

Aging Calculation Estimation

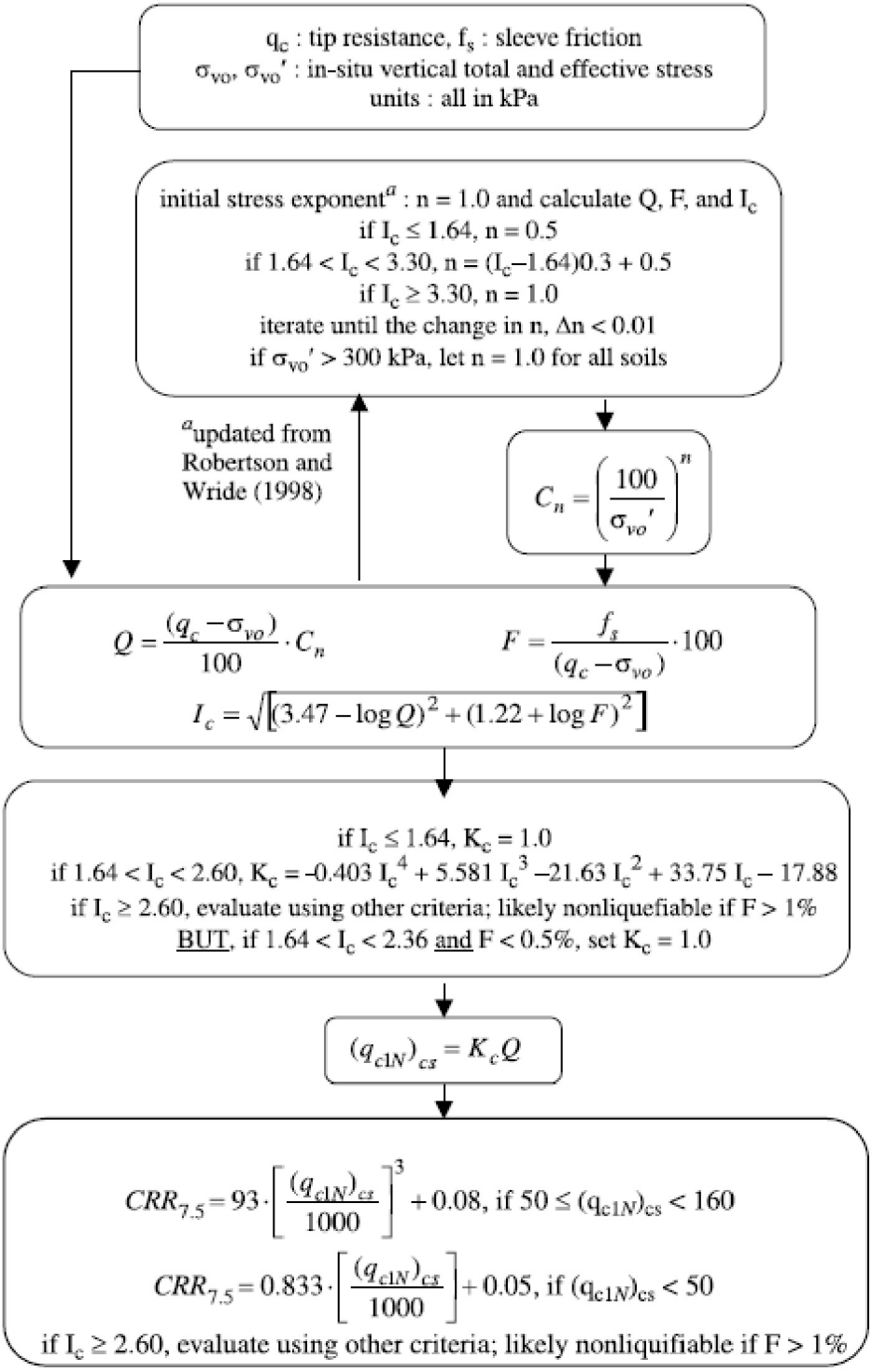


Ejecta Severity Estimation



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

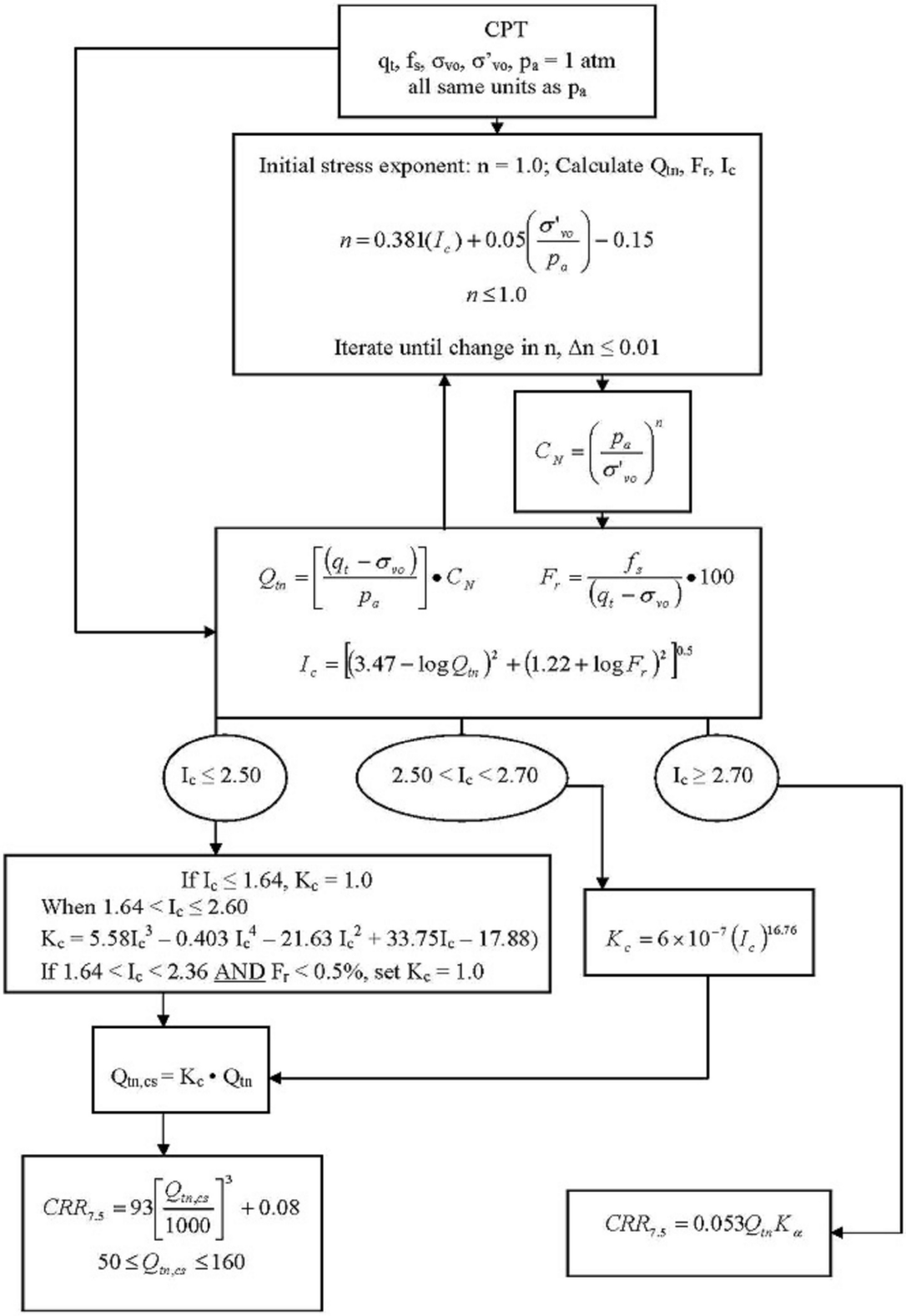
Calculation of soil resistance against liquefaction is performed according to the Robertson & Wride (1998) procedure. The procedure used in the software, slightly differs from the one originally published in NCEER-97-0022 (Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils). The revised procedure is presented below in the form of a flowchart[1]:



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

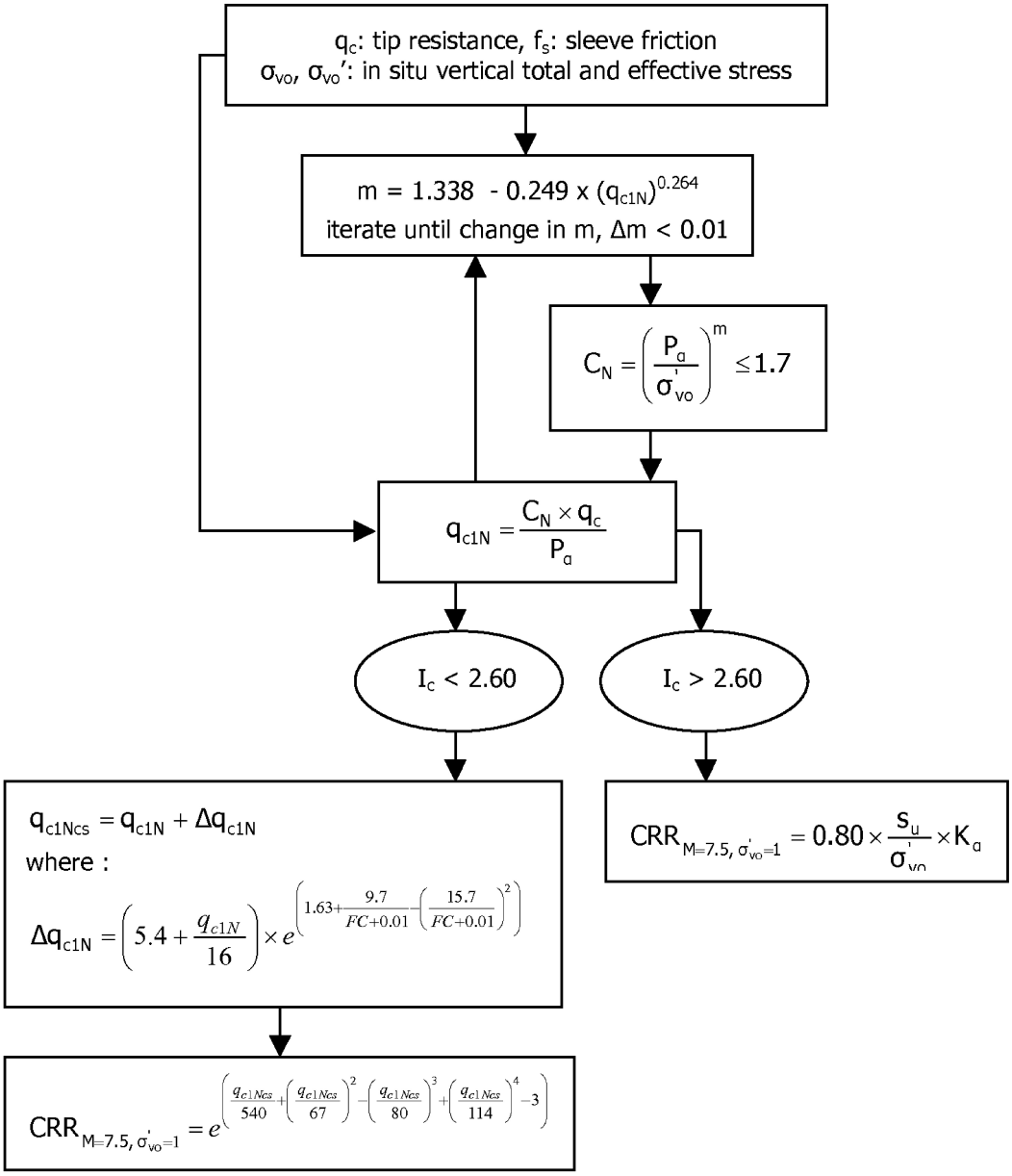
Procedure for the evaluation of soil liquefaction resistance (all soils), Robertson (2010)

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 flowchart[1]:

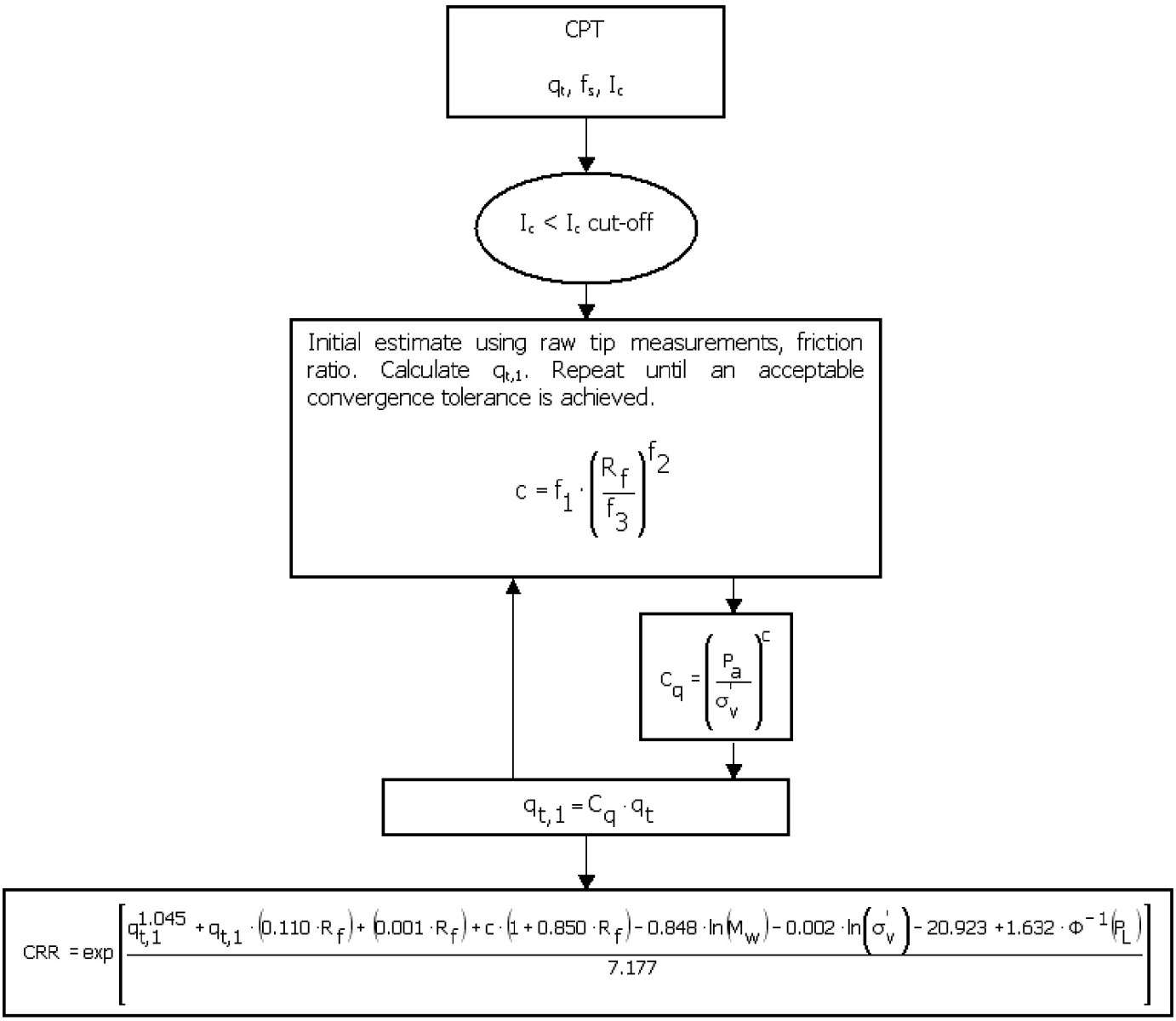


[1] P.K. Robertson, 2009. "Performance based earthquake design using the CPT", Keynote Lecture, International Conference on Performance-based Design in Earthquake Geotechnical Engineering – from case history to practice, IS-Tokyo, June 2009

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)

$$FS_{liq} = \frac{CRR_{M=7.5,\sigma'_v=1atm}}{CSR_{M=7.5,\sigma'_v=1atm}}$$

$$CSR_{M=7.5,\sigma'_v=1atm} = 0.65 \frac{\sigma_v}{\sigma'_v} \frac{a_{max}}{g} r_d \frac{1}{MSF} \frac{1}{K_\sigma}$$

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

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

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

$$K_\sigma = 1 - C_\sigma \ln\left(\frac{\sigma'_v}{P_a}\right) \le 1.1$$

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

$$MSF = 1 + \left(MSF_{max} - 1\right)\left(8.64 \exp\left(\frac{-M}{4}\right) - 1.325\right)$$

$$MSF_{max} = 1.09 + \left(\frac{q_{C1Ncs}}{180}\right)^3 \le 2.2$$

σ'_v *and* σ_v *at start of earthquake shaking*

$$CRR_{M=7.5,\sigma'_v=1atm} = \exp\left(\frac{q_{c1Ncs}}{113} + \left(\frac{q_{c1Ncs}}{1000}\right)^2 - \left(\frac{q_{c1Ncs}}{140}\right)^3 + \left(\frac{q_{c1Ncs}}{137}\right)^4 - 2.80\right)$$

$$q_{c1Ncs} = q_{c1N} + \Delta q_{c1N}$$

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

$$q_{c1N} = C_{Ne} \frac{q_c}{P_a}$$

$$C_{Ne} = \left(\frac{P_a}{\sigma'_v}\right)^m \le 1.7$$

$$m = 1.338 - 0.249\left(q_{c1Ncs}\right)^{0.264} \quad with \quad 0.264 \le m \le 0.782$$

$$FC = 80\left(I_C + C_{FC}\right) - 137 \quad with \quad 0\% \le FC \le 100\%$$

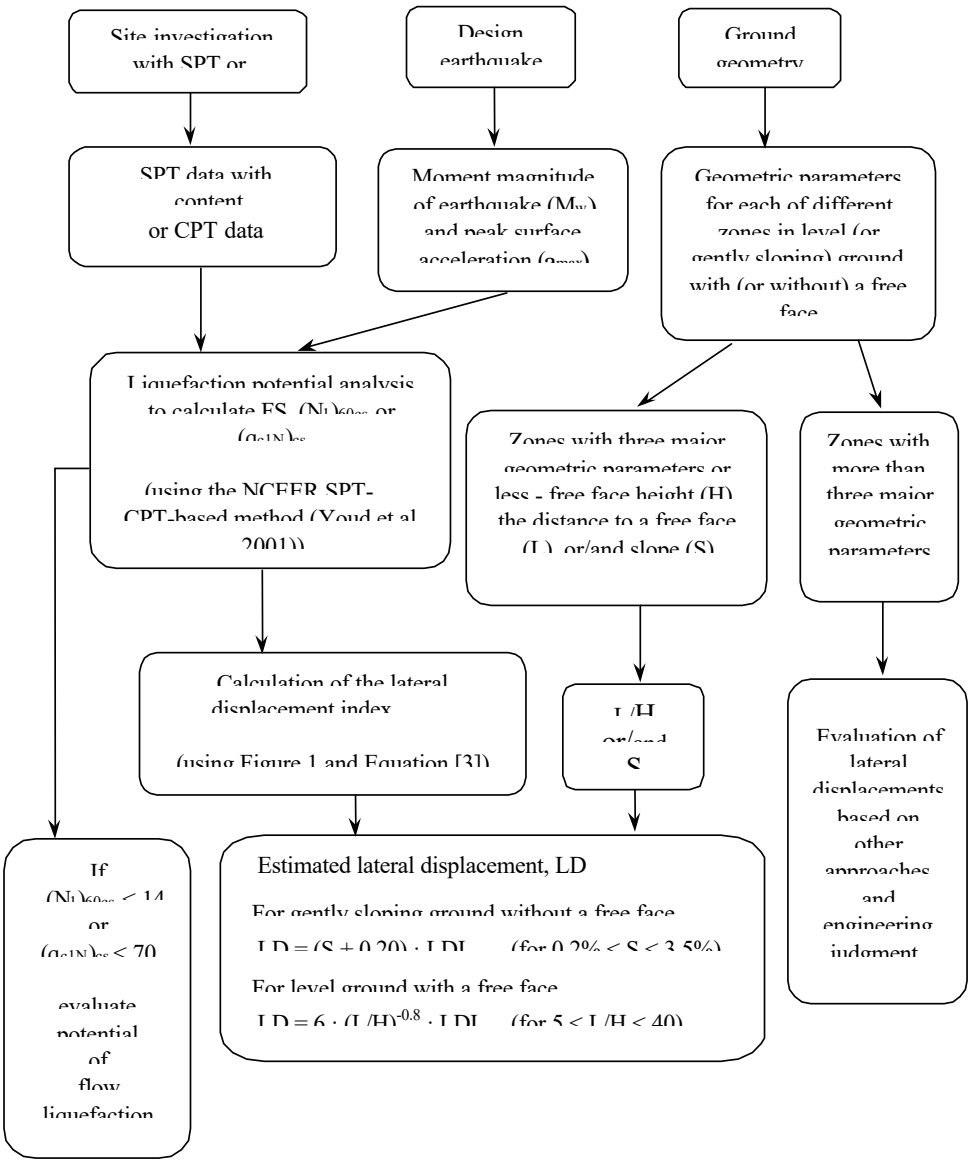
$$I_c = \left[\left(3.47 - \log(Q)\right)^2 + \left(1.22 + \log(F)\right)^2\right]^{0.5}$$

$$Q = \left(\frac{q_c - \sigma_{vc}}{P_a}\right)\left(\frac{P_a}{\sigma'_{vc}}\right)^n \quad with\ 0.5 \le n \le 1.0\ per\ Robertson\ \&\ Wride\ (1998)$$

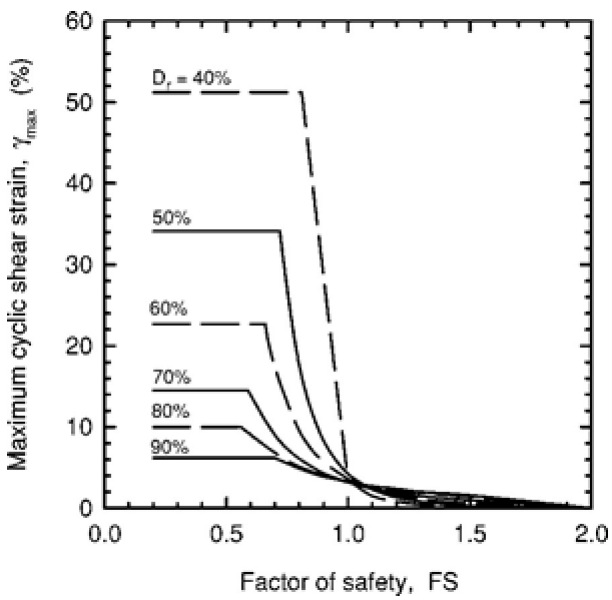
$$F = \left(\frac{f_s}{q_c - \sigma_{vc}}\right) \cdot 100\%$$

σ'_v *at time of CPT sounding*

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

Average shear stress, τ_{av}

$$\tau_{av} = CSR^{*} \cdot \sigma_{v0}' = 0.65 \cdot \frac{a_{max}}{g} \cdot \sigma_{v0} \cdot r_a$$

Estimate small shear strain modulus, G_0

$$G_0 = 0.0188 \cdot \left[10^{(0.55 I_c + 1.68)}\right] \cdot (q_t - \sigma_v)$$

Estimate shear strain amplitude, γ

(based on Pradel (1998))

$$\gamma = \left[\frac{1 + \alpha \cdot e^{bR}}{1 + \alpha}\right] \cdot R \cdot 100\ (\%)$$

$$R = \frac{\tau_{av}}{G_0} \text{ (Note } \tau_{av} \text{ and } G_0 \text{ same units)}$$

$$\alpha = 0.0389 \cdot \left(\frac{\sigma_v}{p_a}\right) + 0.124$$

$$b = 6400 \cdot \left(\frac{\sigma_v}{p_a}\right)$$

Estimate volumetric strain in 15 cycles

$$\varepsilon_{vol(15)} = \gamma \cdot \left[\frac{(N_1)_{60,cs}}{20}\right]^{-1.20}$$

$$(N_1)_{60,cs} = \frac{Q_{tn,cs}}{8.5 \cdot \left[1 - \frac{I_c}{4.6}\right]}$$

Volumetric strain in design earthquake

$$\Sigma_{vol} = \varepsilon_{vol(15)} \cdot \left[\frac{N_c}{15}\right]^{0.45}$$

$$N_c = (M - 4)^{2.17}$$

Seismic settlement, s

$$s = 2 \cdot \int_0^{GWT} \Sigma_{vol} \cdot dz$$

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 methology developed by Iwasaki (1982) and is adopted by AFPS.

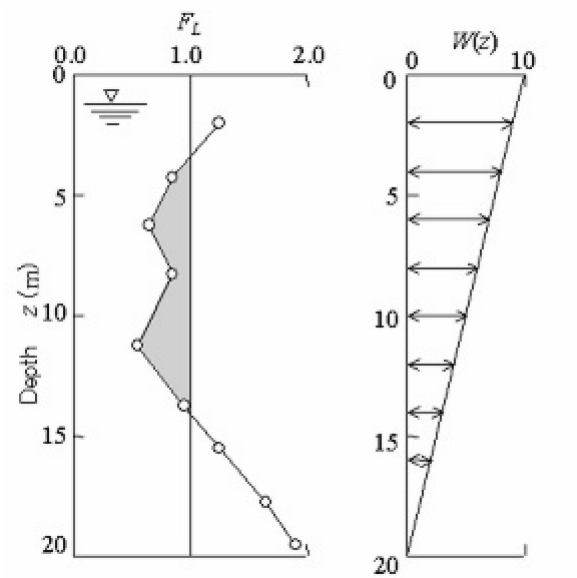
To estimate the severity of liquefaction extent at a given site, LPI is calculated based on the following equation:

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

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 <= 5 : Liquefaction risk is low
- 5 < LPI <= 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):

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

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).

References

- Lunne, T., Robertson, P.K., and Powell, J.J.M 1997. Cone penetration testing in geotechnical practice, E & FN Spon Routledge, 352 p, ISBN 0-7514-0393-8.

- Boulanger, R.W. and Idriss, I. M., 2007. Evaluation of Cyclic Softening in Silts and Clays. ASCE Journal of Geotechnical and Geoenvironmental Engineering June, Vol. 133, No. 6 pp 641-652

- Boulanger, R.W. and Idriss, I. M., 2014. CPT AND SPT BASED LIQUEFACTION TRIGGERING PROCEDURES. DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING COLLEGE OF ENGINEERING UNIVERSITY OF CALIFORNIA AT DAVIS

- Robertson, P.K. and Cabal, K.L., 2007, Guide to Cone Penetration Testing for Geotechnical Engineering. Available at no cost at http://www.geologismiki.gr/

- Robertson, P.K. 1990. Soil classification using the cone penetration test. Canadian Geotechnical Journal, 27 (1), 151-8.

- Robertson, P.K. and Wride, C.E., 1998. Cyclic Liquefaction and its Evaluation based on the CPT Canadian Geotechnical Journal, 1998, Vol. 35, August.

- Youd, T.L., Idriss, I.M., Andrus, R.D., Arango, I., Castro, G., Christian, J.T., Dobry, R., Finn, W.D.L., Harder, L.F., Hynes, M.E., Ishihara, K., Koester, J., Liao, S., Marcuson III, W.F., Martin, G.R., Mitchell, J.K., Moriwaki, Y., Power, M.S., Robertson, P.K., Seed, R., and Stokoe, K.H., Liquefaction Resistance of Soils: Summary Report from the 1996 NCEER and 1998 NCEER/NSF Workshop on Evaluation of Liquefaction Resistance of Soils, ASCE, Journal of Geotechnical & Geoenvironmental Engineering, Vol. 127, October, pp 817-833

- Zhang, G., Robertson. P.K., Brachman, R., 2002, Estimating Liquefaction Induced Ground Settlements from the CPT, Canadian Geotechnical Journal, 39: pp 1168-1180

- Zhang, G., Robertson. P.K., Brachman, R., 2004, Estimating Liquefaction Induced Lateral Displacements using the SPT and CPT, ASCE, Journal of Geotechnical & Geoenvironmental Engineering, Vol. 130, No. 8, 861-871

- Pradel, D., 1998, Procedure to Evaluate Earthquake-Induced Settlements in Dry Sandy Soils, ASCE, Journal of Geotechnical & Geoenvironmental Engineering, Vol. 124, No. 4, 364-368

- Iwasaki, T., 1986, Soil liquefaction studies in Japan: state-of-the-art, Soil Dynamics and Earthquake Engineering, Vol. 5, No. 1, 2-70

- Papathanassiou G., 2008, LPI-based approach for calibrating the severity of liquefaction-induced failures and for assessing the probability of liquefaction surface evidence, Eng. Geol. 96:94–104

- P.K. Robertson, 2009, Interpretation of Cone Penetration Tests - a unified approach., Canadian Geotechnical Journal, Vol. 46, No. 11, pp 1337-1355

- 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

- 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

- R. E. S. Moss, R. B. Seed, R. E. Kayen, J. P. Stewart, A. Der Kiureghian, K. O. Cetin, CPT-Based Probabilistic and Deterministic Assessment of In Situ Seismic Soil Liquefaction Potential, Journal of Geotechnical and Geoenvironmental Engineering, Vol. 132, No. 8, August 1, 2006

- I. M. Idriss and R. W. Boulanger, 2008. Soil liquefaction during earthquakes, Earthquake Engineering Research Institute MNO-12

- Jonathan D. Bray & Jorge Macedo, Department of Civil & Environmental Engineering, Univ. of California, Berkeley, CA, USA, Simplified procedure for estimating liquefaction-induced building settlement, *Proceedings of the 19th International Conference on Soil Mechanics and Geotechnical Engineering, Seoul 201*