	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	2.6	73	0	0	2.6	2.8	4	2.65	18.3	7.3	0	7.3	354.4	2.8	0	5	0.78	2	2.42	51.9
0.6	1.1	13	0	0	1.1	1.2	4	2.76	16	10.5	0	10.5	103.7	1.2	0	5	0.81	2	2.5	21.8
0.8	2.8	80	0	0	2.8	2.9	4	2.63	18.4	14.2	0	14.2	196.2	2.9	0	5	0.77	2	2.41	55.7
1	6.7	100	0	0	6.7	1.5	5	2.16	19	18	0	18	371.3	1.5	0	6	0.6	2	1.94	133.6
1.2	7	113	0	0	7	1.6	5	2.17	19.2	21.8	0	21.8	319.6	1.6	0	6	0.6	2	1.95	139.6
1.4	2.7	173	0	0	2.7	6.4	3	2.88	19.3	25.7	0	25.7	104.1	6.5	0	3	0.88	2	2.68	53.5
1.6	6.8	187	0	0	6.8	2.8	5	2.34	19.7	29.6	0	29.6	228.4	2.8	0	5	0.68	2	2.13	135.4
1.8	8.2	213	0	0	8.2	2.6	5	2.26	20	33.6	0	33.6	242.8	2.6	0	5	0.65	2	2.06	163.3
2	8.7	213	0	0	8.7	2.4	5	2.22	20	37.6	0	37.6	230.2	2.5	0	5	0.65	1.88	2.04	163.2
2.2	8.2	160	0	0	8.2	2	5	2.17	19.6	41.6	0	41.6	196.3	2	0	5	0.63	1.75	2.01	142.4
2.4	7.2	187	0	0	7.2	2.6	5	2.3	19.8	45.5	0	45.5	157.2	2.6	0	5	0.69	1.72	2.14	123
2.6	5.9	153	0	0	5.9	2.6	5	2.36	19.5	49.4	0	49.4	118.4	2.6	0	5	0.72	1.66	2.21	97
2.8	5.8	173	0	0	5.8	3	5	2.41	19.6	53.3	0	53.3	107.8	3	0	5	0.74	1.59	2.27	91.6
3	6.8	227	0	0	6.8	3.3	5	2.4	20	57.3	0	57.3	117.7	3.4	0	5	0.75	1.52	2.28	102.2
3.2	4.2	193	0	0	4.2	4.6	4	2.64	19.6	61.2	0	61.2	67.6	4.7	0	4	0.84	1.51	2.52	62.6
3.4	6.9	220	0	0	6.9	3.2	5	2.38	19.9	65.2	0	65.2	104.8	3.2	0	5	0.75	1.38	2.29	94.3
3.6	11.7	260	0	0	11.7	2.2	5	2.11	20.3	69.3	0	69.3	167.9	2.2	0	5	0.66	1.27	2.04	148.2
3.8	13.3	240	0	0	13.3	1.8	6	2	20.3	73.3	0	73.3	180.4	1.8	0	6	0.63	1.21	1.95	160.7
4	8.3	293	0	0	8.3	3.5	5	2.36	20.3	77.4	0	77.4	106.2	3.6	0	5	0.77	1.22	2.3	100
4.2	4.8	187	0	0	4.8	3.9	4	2.55	19.6	81.3	0	81.3	58	4	0	4	0.84	1.19	2.5	56.2
4.4	5.8	220	0	0	5.8	3.8	4	2.48	19.9	85.3	0	85.3	67	3.8	0	4	0.83	1.14	2.45	65.2
4.6	5.3	327	0	0	5.3	6.2	3	2.67	20.3	89.4	0	89.4	58.3	6.3	0	3	0.9	1.11	2.64	57.7
4.8	8.8	240	0	0	8.8	2.7	5	2.26	20.1	93.4	0	93.4	93.2	2.8	0	5	0.75	1.05	2.24	91.7
5	7	287	0	0	7	4.1	4	2.45	20.2	97.4	0	97.4	70.8	4.2	0	4	0.83	1.02	2.45	70.5
5.2	7	273	0	0	7	3.9	4	2.44	20.2	101.5	0	101.5	68	4	0	4	0.83	0.99	2.45	68.2
5.4	8.6	193	0	0	8.6	2.2	5	2.2	19.9	105.4	0	105.4	80.6	2.3	0	5	0.75	0.96	2.22	81.6
5.6	5.7	187	0	0	5.7	3.3	4	2.44	19.7	109.4	0	109.4	51.1	3.3	0	4	0.85	0.93	2.47	51.8
5.8	4.1	140	0	0	4.1	3.4	4	2.56	19.2	113.2	0	113.2	35.2	3.5	0	4	0.9	0.89	2.61	35.7
6	5.7	320	0	0	5.7	5.6	4	2.61	20.3	117.3	0	117.3	47.6	5.7	0	3	0.92	0.86	2.67	48.2
6.2	10.7	160	0	0	10.7	1.5	6	2.01	19.7	121.2	0	121.2	87.3	1.5	0	5	0.69	0.88	2.05	92.6
6.4	12.5	327	0	0	12.5	2.6	5	2.14	20.6	125.3	0	125.3	98.7	2.6	0	5	0.75	0.84	2.19	104.5
6.6	8.5	293	0	0	8.5	3.4	5	2.34	20.3	129.4	0	129.4	64.7	3.5	0	4	0.83	0.81	2.41	67.5
6.8	7.6	400	0	0	7.6	5.3	9	2.51	20.7	133.5	0	133.5	55.9	5.4	0	4	0.9	0.77	2.59	57.5

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	2.6	73	5	3.90E-07	9	36.3	38	36	40	50	0	0	0	0.3	0	164	-0.1	0	0	20
0.6	1.1	13	5	2.30E-07	4	15.3	25	32	18	23	0	0	0	0.3	0	119	0	0	0	20
0.8	2.8	80	5	4.40E-07	10	39	40	37	42	53	0	0	0	0.3	0	168	-0.1	0	0	20
1	6.7	100	6	1.20E-05	17	69.9	62	41	56	70	0	0	0	0.3	0	190	-0.2	0	0	20
1.2	7	113	6	1.10E-05	18	74.1	63	41	59	74	0	0	0	0.3	0	195	-0.2	0	0	20
1.4	2.7	173	3	6.60E-08	11	37.4	0	0	0	71	14	191	3.8	0.3	17.7	190	0	1.8	1.1	20
1.6	6.8	187	5	2.90E-06	20	90.8	62	41	72	91	0	0	0	0.3	0	212	-0.2	0	0	20
1.8	8.2	213	5	4.80E-06	23	100.2	68	42	80	100	0	0	0	0.3	0	222	-0.2	0	0	20
2	8.7	213	5	5.50E-06	24	103.7	68	42	83	104	0	0	0	0.3	0	226	-0.2	0	0	20
2.2	8.2	160	5	7.20E-06	22	93	64	41	74	93	0	0	0	0.3	0	216	-0.2	0	0	20
2.4	7.2	187	5	2.80E-06	21	96.9	59	41	77	97	0	0	0	0.3	0	219	-0.2	0	0	20
2.6	5.9	153	5	1.70E-06	18	81.9	53	39	69	86	0	0	0	0.3	0	209	-0.2	0	0	20
2.8	5.8	173	5	1.10E-06	19	80.5	51	39	73	92	0	0	0	0.3	0	214	-0.2	0	0	20
3	6.8	227	5	1.10E-06	22	94.4	54	40	87	109	0	0	0	0.3	0	231	-0.2	0	0	20
3.2	4.2	193	4	1.90E-07	16	57.9	0	0	73	91	14	295.6	4.5	0.3	20.6	213	0	1.9	1.5	20
3.4	6.9	220	5	1.00E-06	22	95.7	52	39	89	111	0	0	0	0.3	0	234	-0.2	0	0	20
3.6	11.7	260	5	5.70E-06	32	138.1	65	41	110	138	0	0	0	0.3	0	258	-0.2	0	0	20
3.8	13.3	240	6	1.10E-05	35	139.8	68	42	112	140	0	0	0	0.3	0	260	-0.2	0	0	20
4	8.3	293	5	9.00E-07	27	115.1	53	40	109	137	0	0	0	0.3	0	257	-0.2	0	0	20
4.2	4.8	187	4	2.20E-07	18	66.1	0	0	81	101	14	337	4	0.3	18.5	225	0	1.8	1.8	20
4.4	5.8	220	4	3.20E-07	21	80	0	0	91	114	14	408.2	4.7	0.3	21.5	238	0	1.9	1.8	20
4.6	5.3	327	3	8.20E-08	22	72.9	0	0	0	133	14	372.2	4.1	0.3	19	254	0	1.8	1.1	20
4.8	8.8	240	5	1.40E-06	28	121.9	51	39	107	134	0	0	0	0.3	0	256	-0.2	0	0	20
5	7	287	4	3.20E-07	25	96.6	0	0	111	139	14	493	5	0.3	23.3	259	0	1.9	1.7	20
5.2	7	273	4	3.30E-07	25	96.6	0	0	110	137	14	492.8	4.9	0.3	22.5	258	0	1.9	1.8	20
5.4	8.6	193	5	1.60E-06	27	118.9	48	39	101	127	0	0	0	0.3	0	250	-0.1	0	0	20
5.6	5.7	187	4	2.70E-07	21	78.3	0	0	92	116	14	399.3	3.7	0.3	17.1	240	0	1.7	2.1	20
5.8	4.1	140	4	1.10E-07	16	55.8	0	0	0	97	14	284.8	2.5	0.3	11.8	223	0	1.5	2	20
6	5.7	320	3	7.00E-08	24	78.2	0	0	0	147	14	398.8	3.4	0.3	15.9	267	0	1.7	1.2	20
6.2	10.7	160	5	5.10E-06	30	128.4	51	39	102	128	0	0	0	0.3	0	253	-0.1	0	0	20
6.4	12.5	327	5	1.90E-06	38	178.6	55	40	142	179	0	0	0	0.3	0	291	-0.2	0	0	20
6.6	8.5	293	4	4.30E-07	30	117.20	0	0	127	159	14	597.9	4.8	0.3	22.3	277	0	1.9	2	20
6.8	7.6	400	4	1.20E-07	30	104.5	0	0	143	179	14	533.3	4.1	0.3	19	292	0	1.8	1.3	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	1.9	67	0	0	1.9	3.5	3	2.82	18.1	7.2	0	7.2	261.9	3.5	0	4	0.84	2	2.59	37.9
0.6	3.8	100	0	0	3.8	2.6	4	2.51	18.8	11	0	11	344.8	2.6	0	5	0.73	2	2.29	75.8
0.8	3.7	107	0	0	3.7	2.9	4	2.54	18.9	14.8	0	14.8	249.7	2.9	0	5	0.74	2	2.32	73.7
1	3.3	120	0	0	3.3	3.6	4	2.65	19	18.6	0	18.6	176.9	3.7	0	4	0.79	2	2.43	65.6
1.2	3.4	120	0	0	3.4	3.5	4	2.63	19	22.3	0	22.3	151.2	3.6	0	4	0.78	2	2.41	67.6
1.4	3.2	113	0	0	3.2	3.5	4	2.65	18.9	26.1	0	26.1	121.5	3.6	0	4	0.79	2	2.43	63.5
1.6	3.2	93	0	0	3.2	2.9	4	2.59	18.6	29.8	0	29.8	106.2	2.9	0	5	0.77	2	2.37	63.4
1.8	2.6	20	0	0	2.6	0.8	5	2.34	16.8	33.2	0	33.2	77.3	0.8	0	5	0.66	2	2.08	51.3
2	2.8	47	0	0	2.8	1.7	5	2.49	17.8	36.8	0	36.8	75.1	1.7	0	5	0.73	2	2.26	55.3
2.2	1.9	27	0	0	1.9	1.4	4	2.59	17	40.2	0	40.2	46.3	1.5	0	5	0.77	2	2.35	37.2
2.4	3.4	40	0	0	3.4	1.2	5	2.33	17.7	43.7	0	43.7	76.8	1.2	0	5	0.69	1.76	2.14	59.2
2.6	1.8	67	0	0	1.8	3.7	3	2.85	18	47.3	0	47.3	37	3.8	0	4	0.88	1.94	2.65	33.9
2.8	1.8	73	0	0	1.8	4.1	3	2.88	18.1	51	0	51	34.3	4.2	0	4	0.9	1.84	2.69	32.1
3	4.8	87	0	0	4.8	1.8	5	2.32	18.7	54.7	0	54.7	86.8	1.8	0	5	0.71	1.54	2.19	72.9
3.2	5.1	13	0	0	5.1	0.3	6	1.88	16.6	58	0	58	86.9	0.3	0	6	0.55	1.35	1.76	67.9
3.4	5.7	113	0	0	5.7	2	5	2.29	19.1	61.8	0	61.8	91.2	2	0	5	0.71	1.41	2.19	79.5
3.6	3.9	53	0	0	3.9	1.4	5	2.32	18.1	65.4	0	65.4	58.6	1.4	0	5	0.73	1.36	2.22	52.2
3.8	4.8	320	0	0	4.8	6.7	3	2.72	20.2	69.5	0	69.5	68.1	6.8	0	9	0.89	1.38	2.63	65.4
4	8.7	307	0	0	8.7	3.5	5	2.34	20.4	73.6	0	73.6	117.2	3.6	0	5	0.76	1.26	2.28	108.8
4.2	12.9	460	0	0	12.9	3.6	8	2.24	21	77.8	0	77.8	164.9	3.6	0	8	0.72	1.2	2.19	153.8
4.4	12.8	480	0	0	12.8	3.8	8	2.26	21.1	82	0	82	155.1	3.8	0	8	0.74	1.16	2.22	147.2

	In situ data						Estimations													
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	1.9	67	4	1.20E-07	8	26.5	0	0	36	45	14	135.2	2.7	0.3	12.5	157	0	1.6	2	20
0.6	3.8	100	5	1.00E-06	12	53	47	38	49	62	0	0	0	0.3	0	179	-0.2	0	0	20
0.8	3.7	107	5	7.70E-07	12	51.6	46	38	50	63	0	0	0	0.3	0	181	-0.2	0	0	20
1	3.3	120	4	3.60E-07	12	45.9	0	0	51	64	14	234.4	4.7	0.3	21.7	182	0	1.9	1.9	20
1.2	3.4	120	4	4.10E-07	12	47.3	0	0	52	65	14	241.3	4.8	0.3	22.3	183	0	1.9	2	20
1.4	3.2	113	4	3.60E-07	11	44.4	0	0	50	62	14	226.7	4.5	0.3	20.9	180	0	1.9	2	20
1.6	3.2	93	5	5.50E-07	11	44.4	43	37	46	58	0	0	0	0.3	0	174	-0.1	0	0	20
1.8	2.6	20	5	4.20E-06	7	32.2	38	36	26	32	0	0	0	0.3	0	137	-0.1	0	0	20
2	2.8	47	5	1.20E-06	9	38.7	40	37	35	43	0	0	0	0.3	0	154	-0.1	0	0	20
2.2	1.9	27	5	6.50E-07	6	26	33	35	26	33	0	0	0	0.3	0	137	-0.1	0	0	20
2.4	3.4	40	5	2.90E-06	10	45.2	41	37	36	45	0	0	0	0.3	0	158	-0.1	0	0	20
2.6	1.8	67	4	8.00E-08	7	24.5	0	0	0	45	14	125.2	2.4	0.3	11.2	157	0	1.5	1.8	20
2.8	1.8	73	4	5.90E-08	8	24.5	0	0	0	48	14	124.9	2.3	0.3	10.6	160	0	1.5	1.7	20
3	4.8	87	5	2.00E-06	15	68.1	46	38	54	68	0	0	0	0.3	0	189	-0.1	0	0	20
3.2	5.1	13	6	4.10E-05	12	41.9	44	38	33	42	0	0	0	0.3	0	158	-0.1	0	0	20
3.4	5.7	113	5	2.00E-06	17	80.9	48	39	65	81	0	0	0	0.3	0	204	-0.1	0	0	20
3.6	3.9	53	5	1.60E-06	12	53.7	39	36	46	57	0	0	0	0.3	0	176	-0.1	0	0	20
3.8	4.8	320	9	8.80E-08	20	66.2	0	0	0	120	14	337.9	4.7	0.3	21.6	241	0	1.9	1	20
4	8.7	307	5	1.10E-06	28	120.8	56	40	111	139	0	0	0	0.3	0	259	-0.2	0	0	20
4.2	12.9	460	8	2.00E-06	39	184.8	66	42	147	185	0	0	0	0.3	0	294	-0.2	0	0	20
4.4	12.8	480	8	1.60E-06	40	178.1	65	41	152	190	0	0	0	0.3	0	298	-0.2	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	1.9	58	0	0	1.9	3.1	4	2.78	17.9	7.2	0	7.2	264.3	3.1	0	4	0.82	2	2.55	37.9
0.6	1.9	40	0	0	1.9	2.1	4	2.68	17.5	10.7	0	10.7	177.3	2.1	0	5	0.79	2	2.44	37.8
0.8	2.2	58	0	0	2.2	2.6	4	2.69	18	14.2	0	14.2	153.4	2.7	0	5	0.79	2	2.46	43.7
1	2	36	0	0	2	1.8	4	2.63	17.4	17.7	0	17.7	111.8	1.8	0	5	0.77	2	2.39	39.6
1.2	1.9	36	0	0	1.9	1.9	4	2.66	17.4	21.2	0	21.2	88.6	1.9	0	5	0.78	2	2.42	37.6
1.4	2.1	58	0	0	2.1	2.8	4	2.72	17.9	24.8	0	24.8	83.7	2.8	0	4	0.81	2	2.49	41.5
1.6	2.4	231	0	0	2.4	9.6	3	3.04	19.6	28.7	0	28.7	82.6	9.7	0	3	0.95	2	2.85	47.4
1.8	8.4	342	0	0	8.4	4.1	4	2.4	20.5	32.8	0	32.8	255.1	4.1	0	8	0.71	2	2.22	167.3
2	24.3	400	0	0	24.3	1.6	6	1.8	21.1	37	0	37	655.3	1.6	0	6	0.51	1.66	1.68	401.8

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	1.9	58	4	1.60E-07	7.00E+00	26.5	0	0	34	43	14	135.2	2.7	0.3	12.5	153	0	1.6	2.3	20
0.6	1.9	40	5	3.30E-07	7.00E+00	26.5	33	35	30	38	0	0	0	0.3	0	145	-0.1	0	0	20
0.8	2.2	58	5	3.00E-07	8.00E+00	30.6	35	36	35	44	0	0	0	0.3	0	156	-0.1	0	0	20
1	2	36	5	5.00E-07	7.00E+00	27.8	34	35	29	37	0	0	0	0.3	0	144	-0.1	0	0	20
1.2	1.9	36	5	4.00E-07	7.00E+00	26.3	33	35	29	36	0	0	0	0.3	0	143	-0.1	0	0	20
1.4	2.1	58	4	2.40E-07	8.00E+00	29.1	0	0	35	44	14	148.2	3	0.3	13.7	155	0	1.6	2.5	20
1.6	2.4	231	3	2.00E-08	1.10E+01	33.2	0	0	0	78	14	169.4	3.4	0.3	15.7	198	0	1.7	0.7	20
1.8	8.4	342	8	1.70E-06	2.60E+01	117.1	69	42	99	124	0	0	0	0.3	0	244	-0.3	0	0	20
2	24.3	400	6	7.10E-05	5.30E+01	182.8	100	46	146	183	0	0	0	0.3	0	291	-0.3	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.6	2	147	0	0	2	7.3	3	3.01	19	11.4	0	11.4	174.5	7.4	0	3	0.92	2	2.8	39.8
0.8	5	93	0	0	5	1.9	5	2.32	18.8	15.2	0	15.2	328.8	1.9	0	5	0.66	2	2.09	99.7
1	8	120	0	0	8	1.5	5	2.1	19.3	19	0	19	419.6	1.5	0	6	0.58	2	1.89	159.6
1.2	3.3	116	0	0	3.3	3.5	4	2.64	18.9	22.8	0	22.8	143.7	3.5	0	4	0.78	2	2.42	65.5
1.4	3.6	93	0	0	3.6	2.6	4	2.52	18.7	26.5	0	26.5	134.6	2.6	0	5	0.74	2	2.3	71.5
1.6	1.9	80	0	0	1.9	4.2	3	2.87	18.3	30.2	0	30.2	61.9	4.3	0	4	0.88	2	2.65	37.4
1.8	2	9	0	0	2	0.5	5	2.34	15.8	33.4	0	33.4	59	0.5	0	6	0.66	2	2.07	39.3
2	2.8	58	0	0	2.8	2.1	4	2.54	18.1	37	0	37	74.8	2.1	0	5	0.75	2	2.32	55.3
2.2	3.7	111	0	0	3.7	3	4	2.55	18.9	40.7	0	40.7	89.8	3	0	5	0.76	1.98	2.34	72.6
2.4	9	151	0	0	9	1.7	5	2.1	19.6	44.7	0	44.7	200.5	1.7	0	6	0.61	1.64	1.95	146.9
2.6	6.2	120	0	0	6.2	1.9	5	2.26	19.2	48.5	0	48.5	126.8	2	0	5	0.68	1.63	2.11	100.4
2.8	9.3	156	0	0	9.3	1.7	5	2.09	19.7	52.4	0	52.4	176.4	1.7	0	6	0.62	1.5	1.96	138.4
3	9.8	124	0	0	9.8	1.3	6	1.99	19.4	56.3	0	56.3	173	1.3	0	6	0.59	1.41	1.88	137
3.2	7.1	178	0	0	7.1	2.5	5	2.29	19.7	60.3	0	60.3	116.8	2.5	0	5	0.71	1.44	2.19	101
3.4	8.7	98	0	0	8.7	1.1	6	1.99	19.1	64.1	0	64.1	134.8	1.1	0	6	0.61	1.31	1.91	113.2
3.6	13.1	204	0	0	13.1	1.6	6	1.96	20.1	68.1	0	68.1	191.4	1.6	0	6	0.6	1.26	1.89	164.4
3.8	10.1	218	0	0	10.1	2.2	5	2.14	20.1	72.1	0	72.1	139.1	2.2	0	5	0.68	1.25	2.08	125.1
4	10.1	142	0	0	10.1	1.4	6	2.01	19.6	76	0	76	131.9	1.4	0	6	0.63	1.19	1.96	119.2
4.2	7.4	160	0	0	7.4	2.2	5	2.24	19.6	79.9	0	79.9	91.6	2.2	0	5	0.72	1.18	2.19	86.1
4.4	6.7	133	0	0	6.7	2	5	2.24	19.3	83.8	0	83.8	78.9	2	0	5	0.73	1.14	2.2	75.3
4.6	6.6	116	0	0	6.6	1.8	5	2.21	19.2	87.6	0	87.6	74.3	1.8	0	5	0.73	1.1	2.18	71.7
4.8	6.4	147	0	0	6.4	2.3	5	2.3	19.4	91.5	0	91.5	68.9	2.3	0	5	0.77	1.07	2.28	67.5
5	7.9	151	0	0	7.9	1.9	5	2.18	19.6	95.4	0	95.4	81.8	1.9	0	5	0.72	1.03	2.17	80.7
5.2	9	249	0	0	9	2.8	5	2.25	20.2	99.5	0	99.5	89.5	2.8	0	5	0.76	1	2.26	89.4
5.4	11.2	151	0	0	11.2	1.3	6	1.96	19.7	103.4	0	103.4	107.3	1.4	0	6	0.65	0.98	1.97	108.6
5.6	11.8	138	0	0	11.8	1.2	6	1.91	19.6	107.3	0	107.3	108.9	1.2	0	6	0.64	0.96	1.92	111.8
5.8	8.9	151	0	0	8.9	1.7	5	2.1	19.6	111.3	0	111.3	79	1.7	0	5	0.72	0.93	2.13	81.4
6	5.6	107	0	0	5.6	1.9	5	2.29	19	115.1	0	115.1	47.7	2	0	5	0.8	0.89	2.33	49
6.2	5.1	98	0	0	5.1	1.9	5	2.32	18.9	118.8	0	118.8	41.9	2	0	5	0.82	0.87	2.38	43.3
6.4	5.2	67	0	0	5.2	1.3	5	2.21	18.5	122.5	0	122.5	41.4	1.3	0	5	0.78	0.85	2.27	43.4
6.6	6.7	98	0	0	6.7	1.5	5	2.15	19	126.3	0	126.3	52	1.5	0	5	0.76	0.84	2.22	55
6.8	5.8	111	0	0	5.8	1.9	5	2.28	19.1	130.1	0	130.1	43.6	2	0	5	0.81	0.81	2.36	45.8
7	5	71	0	0	5	1.4	5	2.25	18.5	133.8	0	133.8	36.4	1.5	0	5	0.81	0.79	2.34	38.4

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.6	2	147	3	2.70E-08	9	27.8	0	0	0	62	14	142	2.8	0.3	13.1	179	0	1.6	0.9	20
0.8	5	93	5	3.80E-06	14	63.7	53	40	51	64	0	0	0	0.3	0	182	-0.2	0	0	20
1	8	120	6	1.70E-05	20	78.3	68	42	62	78	0	0	0	0.3	0	199	-0.2	0	0	20
1.2	3.3	116	4	3.90E-07	12	45.9	0	0	51	63	14	234.1	4.7	0.3	21.6	181	0	1.9	2	20
1.4	3.6	93	5	9.20E-07	12	50	45	38	47	59	0	0	0	0.3	0	176	-0.1	0	0	20
1.6	1.9	80	4	7.80E-08	8	26.2	0	0	0	48	14	133.6	2.7	0.3	12.3	161	0	1.6	1.6	20
1.8	2	9	6	4.50E-06	6	24.4	34	35	19	24	0	0	0	0.3	0	123	0	0	0	20
2	2.8	58	5	8.20E-07	9	38.7	40	37	37	47	0	0	0	0.3	0	159	-0.1	0	0	20
2.2	3.7	111	5	6.80E-07	12	51.2	46	38	51	64	0	0	0	0.3	0	182	-0.2	0	0	20
2.4	9	151	6	1.10E-05	23	94.9	65	41	76	95	0	0	0	0.3	0	218	-0.2	0	0	20
2.6	6.2	120	5	3.50E-06	18	79.7	54	40	64	80	0	0	0	0.3	0	202	-0.2	0	0	20
2.8	9.3	156	6	9.50E-06	25	100.2	63	41	80	100	0	0	0	0.3	0	224	-0.2	0	0	20
3	9.8	124	6	1.70E-05	24	94.7	63	41	76	95	0	0	0	0.3	0	219	-0.2	0	0	20
3.2	7.1	178	5	2.00E-06	22	101	54	40	81	101	0	0	0	0.3	0	224	-0.2	0	0	20
3.4	8.7	98	6	1.40E-05	22	86.8	57	40	69	87	0	0	0	0.3	0	211	-0.1	0	0	20
3.6	13.1	204	6	1.60E-05	33	128.5	69	42	103	129	0	0	0	0.3	0	250	-0.2	0	0	20
3.8	10.1	218	5	4.40E-06	29	125.1	60	41	100	125	0	0	0	0.3	0	247	-0.2	0	0	20
4	10.1	142	6	1.00E-05	26	107.3	58	40	86	107	0	0	0	0.3	0	232	-0.2	0	0	20
4.2	7.4	160	5	2.00E-06	23	105.3	50	39	84	105	0	0	0	0.3	0	230	-0.1	0	0	20
4.4	6.7	133	5	1.80E-06	21	92.6	46	38	77	97	0	0	0	0.3	0	222	-0.1	0	0	20
4.6	6.6	116	5	2.00E-06	20	93.1	45	38	74	93	0	0	0	0.3	0	218	-0.1	0	0	20
4.8	6.4	147	5	1.00E-06	21	88.3	44	38	82	102	0	0	0	0.3	0	227	-0.1	0	0	20
5	7.9	151	5	2.30E-06	24	109.8	48	39	88	110	0	0	0	0.3	0	235	-0.1	0	0	20
5.2	9	249	5	1.30E-06	29	124.6	51	39	111	139	0	0	0	0.3	0	260	-0.2	0	0	20
5.4	11.2	151	6	9.00E-06	30	121.4	56	40	97	121	0	0	0	0.3	0	246	-0.1	0	0	20
5.6	11.8	138	6	1.30E-05	30	119.8	57	40	96	120	0	0	0	0.3	0	245	-0.1	0	0	20
5.8	8.9	151	5	2.90E-06	26	117.8	48	39	94	118	0	0	0	0.3	0	243	-0.1	0	0	20
6	5.6	107	5	7.20E-07	19	76.8	37	36	76	95	0	0	0	0.3	0	221	-0.1	0	0	20
6.2	5.1	98	5	5.30E-07	18	69.7	35	36	73	91	0	0	0	0.3	0	217	-0.1	0	0	20
6.4	5.2	67	5	1.10E-06	17	71.1	35	36	65	81	0	0	0	0.3	0	208	-0.1	0	0	20
6.6	6.7	98	5	1.60E-06	21	92	40	37	79	98	0	0	0	0.3	0	226	-0.1	0	0	20
6.8	5.8	111	5	6.10E-07	20	79.40	36	36	81	101	0	0	0	0.3	0	228	-0.1	0	0	20
7	5	71	5	7.00E-07	17	68.1	33	35	68	85	0	0	0	0.3	0	212	-0.1	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	1.6	53	0	0	1.6	3.3	3	2.86	17.7	7.1	0	7.1	224.5	3.3	0	4	0.85	2	2.63	31.9
0.6	1.2	36	0	0	1.2	3	3	2.94	17.2	10.5	0	10.5	113	3	0	4	0.88	2	2.7	23.8
0.8	1.5	58	0	0	1.5	3.9	3	2.92	17.8	14.1	0	14.1	105.4	3.9	0	4	0.88	2	2.7	29.7
1	1.2	40	0	0	1.2	3.3	3	2.96	17.3	17.6	0	17.6	67.4	3.4	0	4	0.9	2	2.73	23.6
1.2	1.2	44	0	0	1.2	3.7	3	2.99	17.4	21	0	21	56	3.7	0	4	0.91	2	2.76	23.6
1.4	1.2	53	0	0	1.2	4.4	3	3.04	17.6	24.6	0	24.6	47.9	4.5	0	3	0.93	2	2.81	23.5
1.6	1.4	18	0	0	1.4	1.3	4	2.68	16.4	27.8	0	27.8	49.3	1.3	0	5	0.79	2	2.43	27.4
1.8	2.3	31	0	0	2.3	1.3	5	2.51	17.3	31.3	0	31.3	72.5	1.4	0	5	0.73	2	2.26	45.4
2	1.2	31	0	0	1.2	2.6	3	2.9	17	34.7	0	34.7	33.6	2.7	0	4	0.88	2	2.67	23.3
2.2	1.3	22	0	0	1.3	1.7	4	2.77	16.6	38	0	38	33.2	1.7	0	4	0.83	2	2.53	25.2
2.4	1.3	40	0	0	1.3	3.1	3	2.91	17.3	41.5	0	41.5	30.3	3.2	0	4	0.9	2	2.69	25.2
2.6	1.4	49	0	0	1.4	3.5	3	2.92	17.6	45	0	45	30.1	3.6	0	4	0.9	2	2.7	27.1
2.8	2.2	49	0	0	2.2	2.2	4	2.65	17.8	48.6	0	48.6	44.3	2.3	0	5	0.81	1.8	2.46	38.6
3	3.1	80	0	0	3.1	2.6	4	2.57	18.5	52.3	0	52.3	58.3	2.6	0	5	0.79	1.67	2.41	51
3.2	5.7	116	0	0	5.7	2	5	2.3	19.1	56.1	0	56.1	100.6	2.1	0	5	0.71	1.5	2.17	84.9
3.4	14.3	53	0	0	14.3	0.4	6	1.54	18.6	59.8	0	59.8	238.1	0.4	0	6	0.43	1.25	1.45	178
3.6	11.3	169	0	0	11.3	1.5	6	1.99	19.8	63.8	0	63.8	176.2	1.5	0	6	0.61	1.32	1.91	147.8
3.8	2.5	102	0	0	2.5	4.1	4	2.77	18.7	67.5	0	67.5	36	4.2	0	4	0.9	1.42	2.67	34.7
4	9.4	84	0	0	9.4	0.9	6	1.91	18.9	71.3	0	71.3	130.9	0.9	0	6	0.59	1.22	1.84	113.8
4.2	2.2	89	0	0	2.2	4	3	2.81	18.5	75	0	75	28.3	4.2	0	4	0.93	1.31	2.74	27.8
4.4	3.6	107	0	0	3.6	3	4	2.56	18.9	78.7	0	78.7	44.7	3	0	4	0.84	1.22	2.5	43.1
4.6	3.3	84	0	0	3.3	2.5	4	2.54	18.5	82.5	0	82.5	39	2.6	0	4	0.84	1.18	2.5	37.9
4.8	2.8	67	0	0	2.8	2.4	4	2.58	18.2	86.1	0	86.1	31.5	2.5	0	4	0.87	1.14	2.55	30.9
5	3.5	53	0	0	3.5	1.5	5	2.39	18	89.7	0	89.7	38	1.6	0	5	0.8	1.09	2.37	37.2
5.2	3.5	44	0	0	3.5	1.3	5	2.34	17.8	93.3	0	93.3	36.5	1.3	0	5	0.78	1.06	2.33	36
5.4	2.7	22	2	0	2.7	0.8	5	2.34	16.9	96.7	2	94.7	27.5	0.8	0	5	0.79	1.04	2.34	27.2
5.6	3.9	102	3.9	0	3.9	2.6	4	2.5	18.8	100.4	3.9	96.5	39.4	2.7	0	4	0.85	1.03	2.5	39.2
5.8	5.4	84	5.9	0	5.4	1.6	5	2.24	18.7	104.2	5.9	98.3	53.9	1.6	0	5	0.75	1.01	2.25	53.7
6	4.1	93	7.8	0	4.1	2.3	5	2.44	18.7	107.9	7.8	100.1	39.9	2.3	0	5	0.83	1	2.45	39.9
6.2	4.1	133	9.8	0	4.1	3.2	4	2.54	19.2	111.7	9.8	101.9	39.1	3.3	0	4	0.88	0.98	2.56	39.2
6.4	4.6	98	11.8	0	4.6	2.1	5	2.38	18.8	115.5	11.8	103.7	43.2	2.2	0	5	0.82	0.97	2.41	43.5
6.6	7.5	173	13.7	0	7.5	2.3	5	2.25	19.7	119.5	13.7	105.7	69.8	2.3	0	5	0.77	0.96	2.27	70.7
6.8	5.7	107	15.7	0	5.7	1.9	5	2.28	19	123.3	15.7	107.6	51.9	1.9	0	5	0.78	0.94	2.31	52.7

	In situ data										Estimations									
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	1.6	53	4	9.20E-08	6	22.3	0	0	0	40	14	113.8	2.3	0.3	10.5	149	0	1.5	2.1	20
0.6	1.2	36	4	5.60E-08	5	16.7	0	0	0	33	14	85	1.7	0.3	7.9	136	0	1.3	2.3	20
0.8	1.5	58	4	5.70E-08	6	20.8	0	0	0	41	14	106.1	2.1	0.3	9.8	150	0	1.4	1.8	20
1	1.2	40	4	4.50E-08	5	16.6	0	0	0	34	14	84.5	1.7	0.3	7.8	138	0	1.3	2.1	20
1.2	1.2	44	4	3.70E-08	5	16.5	0	0	0	35	14	84.2	1.7	0.3	7.8	140	0	1.3	1.9	20
1.4	1.2	53	3	2.50E-08	5	16.5	0	0	0	37	14	84	1.7	0.3	7.8	144	0	1.3	1.6	20
1.6	1.4	18	5	3.60E-07	5	19.2	28	33	21	27	0	0	0	0.3	0	127	0	0	0	20
1.8	2.3	31	5	1.20E-06	7	31.8	36	36	29	36	0	0	0	0.3	0	143	-0.1	0	0	20
2	1.2	31	4	6.90E-08	5	16.3	0	0	0	31	14	83.2	1.7	0.3	7.7	133	0	1.3	2.6	20
2.2	1.3	22	4	1.80E-07	5	17.7	0	0	22	28	14	90.1	1.8	0.3	8.3	129	0	1.4	4	20
2.4	1.3	40	4	5.90E-08	5	17.6	0	0	0	34	14	89.9	1.8	0.3	8.3	139	0	1.4	2.2	20
2.6	1.4	49	4	5.40E-08	6	19	0	0	0	37	14	96.8	1.9	0.3	8.9	144	0	1.4	1.9	20
2.8	2.2	49	5	3.00E-07	8	30.1	33	35	35	43	0	0	0	0.3	0	155	-0.1	0	0	20
3	3.1	80	5	4.30E-07	11	42.7	38	36	46	58	0	0	0	0.3	0	175	-0.1	0	0	20
3.2	5.7	116	5	2.20E-06	17	79.7	49	39	64	80	0	0	0	0.3	0	202	-0.1	0	0	20
3.4	14.3	53	6	3.40E-04	27	80.8	71	42	64	81	0	0	0	0.3	0	207	-0.2	0	0	20
3.6	11.3	169	6	1.40E-05	29	113.4	65	41	90	113	0	0	0	0.3	0	237	-0.2	0	0	20
3.8	2.5	102	4	6.90E-08	10	34.1	0	0	0	64	14	173.8	2.5	0.3	11.4	184	0	1.5	1.7	20
4	9.4	84	6	2.30E-05	23	86.1	57	40	69	86	0	0	0	0.3	0	211	-0.1	0	0	20
4.2	2.2	89	4	4.20E-08	10	29.8	0	0	0	61	14	151.8	2	0.3	9.2	181	0	1.4	1.7	20
4.4	3.6	107	4	2.20E-07	13	49.3	0	0	60	76	14	251.5	3.1	0.3	14.2	198	0	1.6	2.3	20
4.6	3.3	84	4	2.20E-07	12	45	0	0	55	69	14	229.8	2.7	0.3	12.5	191	0	1.6	2.7	20
4.8	2.8	67	4	1.50E-07	11	38	0	0	49	62	14	193.9	2.2	0.3	10.2	183	0	1.5	2.8	20
5	3.5	53	5	5.70E-07	12	47.7	33	35	49	61	0	0	0	0.3	0	183	-0.1	0	0	20
5.2	3.5	44	5	7.30E-07	12	47.7	32	35	47	59	0	0	0	0.3	0	180	-0.1	0	0	20
5.4	2.7	22	5	7.10E-07	9	36.5	28	33	36	45	0	0	0	0.3	0	162	0	0	0	20
5.6	3.9	102	4	2.30E-07	15	53.2	0	0	65	81	14	271.5	2.8	0.3	12.9	205	0	1.6	2.6	20
5.8	5.4	84	5	1.30E-06	17	74.2	39	37	65	82	0	0	0	0.3	0	207	-0.1	0	0	20
6	4.1	93	5	3.20E-07	15	55.9	34	35	64	80	0	0	0	0.3	0	205	-0.1	0	0	20
6.2	4.1	133	4	1.50E-07	16	55.9	0	0	73	92	14	285	2.8	0.3	12.9	217	0	1.6	2.1	20
6.4	4.6	98	5	4.40E-07	16	62.8	35	36	68	85	0	0	0	0.3	0	210	-0.1	0	0	20
6.6	7.5	173	5	1.10E-06	2.40E+01	103.40	45	38	94	118	0	0	0	0.3	0	242	-0.1	0	0	20
6.8	5.7	107	5	8.80E-07	19	78.1	39	37	74	93	0	0	0	0.3	0	219	-0.1	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	2.6	49	0	0	2.6	1.9	4	2.55	17.8	7.1	0	7.1	363.5	1.9	0	5	0.73	2	2.31	51.9
0.6	2	40	0	0	2	2	4	2.65	17.5	10.6	0	10.6	187.1	2	0	5	0.77	2	2.41	39.8
0.8	2.6	36	0	0	2.6	1.4	5	2.47	17.5	14.1	0	14.1	183	1.4	0	5	0.7	2	2.22	51.7
1	1.8	13	0	0	1.8	0.7	5	2.47	16.2	17.4	0	17.4	102.7	0.7	0	5	0.7	2	2.2	35.7
1.2	2.8	36	0	0	2.8	1.3	5	2.43	17.5	20.9	0	20.9	133.2	1.3	0	5	0.69	2	2.18	55.6
1.4	2.1	31	0	0	2.1	1.5	4	2.56	17.2	24.3	0	24.3	85.4	1.5	0	5	0.75	2	2.32	41.5
1.6	1.2	22	0	0	1.2	1.8	4	2.82	16.6	27.6	0	27.6	42.4	1.9	0	4	0.85	2	2.58	23.4
1.8	1.6	22	0	0	1.6	1.4	4	2.65	16.7	31	0	31	50.7	1.4	0	5	0.78	2	2.4	31.4
2	1.2	18	0	0	1.2	1.5	4	2.77	16.4	34.2	0	34.2	34	1.5	0	4	0.83	2	2.53	23.3
2.2	1.1	9	0	0	1.1	0.8	4	2.69	15.6	37.4	0	37.4	28.4	0.8	0	5	0.79	2	2.43	21.3
2.4	1.1	18	0	0	1.1	1.6	4	2.83	16.3	40.6	0	40.6	26.1	1.7	0	4	0.86	2	2.59	21.2
2.6	0.9	22	0	0	0.9	2.4	3	2.99	16.5	43.9	0	43.9	19.5	2.6	0	4	0.93	2	2.77	17.1
2.8	0.9	44	0	0	0.9	4.9	3	3.16	17.3	47.4	0	47.4	18	5.2	0	3	1	2	2.96	17.1
3	6.4	129	0	0	6.4	2	5	2.26	19.3	51.2	0	51.2	123.9	2	0	5	0.68	1.58	2.12	100.2
3.2	2	62	0	0	2	3.1	4	2.77	18	54.8	0	54.8	35.5	3.2	0	4	0.87	1.69	2.61	32.8
3.4	4.6	62	0	0	4.6	1.3	5	2.26	18.3	58.5	0	58.5	77.6	1.4	0	5	0.69	1.45	2.14	65.8
3.6	11.1	107	0	0	11.1	1	6	1.87	19.3	62.4	0	62.4	177	1	0	6	0.56	1.3	1.78	143.8
3.8	9.2	151	0	0	9.2	1.6	5	2.08	19.6	66.3	0	66.3	137.8	1.7	0	6	0.65	1.3	2	119.1
4	6.2	116	0	0	6.2	1.9	5	2.25	19.2	70.1	0	70.1	87.4	1.9	0	5	0.71	1.29	2.17	78.9
4.2	7.3	209	0	0	7.3	2.9	5	2.33	19.9	74.1	0	74.1	97.5	2.9	0	5	0.75	1.25	2.26	90.5
4.4	7.4	209	0	0	7.4	2.8	5	2.32	19.9	78.1	0	78.1	93.8	2.9	0	5	0.75	1.2	2.27	88.2
4.6	12.7	227	0	0	12.7	1.8	5	2.01	20.2	82.1	0	82.1	153.6	1.8	0	6	0.64	1.14	1.98	143.2
4.8	9.9	156	0	0	9.9	1.6	5	2.05	19.7	86.1	0	86.1	114	1.6	0	5	0.66	1.1	2.02	108.4
5	11.4	276	0	0	11.4	2.4	5	2.14	20.4	90.1	0	90.1	125.5	2.4	0	5	0.7	1.08	2.12	121.7
5.2	11.2	249	0	0	11.2	2.2	5	2.12	20.3	94.2	0	94.2	117.9	2.2	0	5	0.7	1.04	2.11	115.8
5.4	11.2	280	0	0	11.2	2.5	5	2.16	20.4	98.3	0	98.3	113	2.5	0	5	0.72	1.01	2.16	112.4
5.6	15.2	182	0	0	15.2	1.2	6	1.83	20	102.3	0	102.3	147.6	1.2	0	6	0.6	0.99	1.84	149
5.8	18.5	302	0	0	18.5	1.6	6	1.87	20.7	106.4	0	106.4	172.9	1.6	0	6	0.62	0.96	1.89	177
6	12	289	0	0	12	2.4	5	2.13	20.5	110.5	0	110.5	107.6	2.4	0	5	0.72	0.93	2.15	110.6
6.2	9.1	204	0	0	9.1	2.2	5	2.18	20	114.5	0	114.5	78.5	2.3	0	5	0.75	0.9	2.22	81.2
6.4	14.3	236	0	0	14.3	1.7	6	1.95	20.3	118.5	0	118.5	119.6	1.7	0	6	0.67	0.89	1.99	126.6
6.6	14.1	196	0	0	14.1	1.4	6	1.9	20.1	122.6	0	122.6	114	1.4	0	6	0.65	0.88	1.94	122.4
6.8	12.6	200	0	0	12.6	1.6	6	1.98	20.1	126.6	0	126.6	98.5	1.6	0	5	0.69	0.85	2.03	106.1

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	2.6	49	5	8.70E-07	9	36.3	38	36	35	43	0	0	0	0.3	0	154	-0.1	0	0	20
0.6	2	40	5	4.20E-07	7	27.9	34	35	30	38	0	0	0	0.3	0	146	-0.1	0	0	20
0.8	2.6	36	5	1.60E-06	8	36.2	38	36	31	39	0	0	0	0.3	0	148	-0.1	0	0	20
1	1.8	13	5	1.80E-06	6	25	32	35	21	26	0	0	0	0.3	0	126	0	0	0	20
1.2	2.8	36	5	2.10E-06	8	39.5	40	37	32	40	0	0	0	0.3	0	149	-0.1	0	0	20
1.4	2.1	31	5	8.00E-07	7	29.1	34	35	28	35	0	0	0	0.3	0	142	-0.1	0	0	20
1.6	1.2	22	4	1.30E-07	5	16.4	0	0	22	28	14	83.7	1.7	0.3	7.7	128	0	1.3	3.7	20
1.8	1.6	22	5	4.50E-07	6	22	30	34	24	30	0	0	0	0.3	0	132	-0.1	0	0	20
2	1.2	18	4	1.80E-07	5	16.3	0	0	21	26	14	83.3	1.7	0.3	7.7	124	0	1.3	4.5	20
2.2	1.1	9	5	3.60E-07	4	14.9	25	32	17	21	0	0	0	0.3	0	114	0	0	0	20
2.4	1.1	18	4	1.20E-07	4	14.8	0	0	20	25	14	75.7	1.5	0.3	7	123	0	1.3	4.1	20
2.6	0.9	22	4	3.50E-08	4	12	0	0	0	26	14	61.1	1.2	0.3	5.7	123	0	1.2	2.7	20
2.8	0.9	44	3	9.20E-09	5	11.9	0	0	0	32	14	60.9	1.2	0.3	5.6	136	0	1.2	1.4	20
3	6.4	129	5	3.20E-06	19	83.7	54	40	67	84	0	0	0	0.3	0	206	-0.2	0	0	20
3.2	2	62	4	1.10E-07	8	27.2	0	0	0	47	14	138.9	2.3	0.3	10.8	161	0	1.5	2.2	20
3.4	4.6	62	5	2.90E-06	14	61.1	43	38	49	61	0	0	0	0.3	0	181	-0.1	0	0	20
3.6	11.1	107	6	3.40E-05	26	94.9	64	41	76	95	0	0	0	0.3	0	220	-0.2	0	0	20
3.8	9.2	151	6	7.30E-06	25	103.9	58	40	83	104	0	0	0	0.3	0	228	-0.2	0	0	20
4	6.2	116	5	2.30E-06	19	86.3	47	38	69	86	0	0	0	0.3	0	210	-0.1	0	0	20
4.2	7.3	209	5	1.20E-06	23	101.2	51	39	91	114	0	0	0	0.3	0	237	-0.2	0	0	20
4.4	7.4	209	5	1.20E-06	24	102.5	50	39	93	116	0	0	0	0.3	0	239	-0.2	0	0	20
4.6	12.7	227	6	8.80E-06	34	138.6	64	41	111	139	0	0	0	0.3	0	259	-0.2	0	0	20
4.8	9.9	156	5	6.50E-06	27	114	56	40	91	114	0	0	0	0.3	0	238	-0.2	0	0	20
5	11.4	276	5	3.20E-06	33	149.5	59	41	119	149	0	0	0	0.3	0	268	-0.2	0	0	20
5.2	11.2	249	5	3.50E-06	32	144.3	58	40	115	144	0	0	0	0.3	0	264	-0.2	0	0	20
5.4	11.2	280	5	2.50E-06	33	153	57	40	122	153	0	0	0	0.3	0	271	-0.2	0	0	20
5.6	15.2	182	6	2.30E-05	37	139.2	65	42	111	139	0	0	0	0.3	0	261	-0.2	0	0	20
5.8	18.5	302	6	1.70E-05	46	180.2	71	42	144	180	0	0	0	0.3	0	292	-0.2	0	0	20
6	12	289	5	2.70E-06	36	162.4	56	40	130	162	0	0	0	0.3	0	279	-0.2	0	0	20
6.2	9.1	204	5	1.60E-06	28	125.8	48	39	107	134	0	0	0	0.3	0	257	-0.1	0	0	20
6.4	14.3	236	6	8.20E-06	38	158	60	41	126	158	0	0	0	0.3	0	276	-0.2	0	0	20
6.6	14.1	196	6	1.10E-05	37	147.5	59	41	118	147	0	0	0	0.3	0	268	-0.2	0	0	20
6.8	12.6	200	5	6.10E-06	35	146.6	55	40	117	147	0	0	0	0.3	0	268	-0.2	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	5.4	227	0	0	5.4	4.2	4	2.54	19.9	7.9	0	7.9	678.2	4.2	0	9	0.74	2	2.34	107.8
0.6	3.2	120	0	0	3.2	3.8	4	2.66	18.9	11.7	0	11.7	271.6	3.8	0	4	0.79	2	2.45	63.8
0.8	4	84	0	0	4	2.1	5	2.43	18.6	15.5	0	15.5	257.7	2.1	0	5	0.7	2	2.2	79.7
1	4.7	124	0	0	4.7	2.6	5	2.44	19.1	19.3	0	19.3	242.7	2.6	0	5	0.71	2	2.22	93.6
1.2	4.1	120	0	0	4.1	2.9	4	2.51	19	23.1	0	23.1	176.5	2.9	0	5	0.74	2	2.3	81.5
1.4	4	102	0	0	4	2.5	4	2.48	18.8	26.9	0	26.9	147.9	2.6	0	5	0.73	2	2.26	79.5
1.6	2.7	58	0	0	2.7	2.1	4	2.57	18	30.5	0	30.5	87.6	2.2	0	5	0.76	2	2.34	53.4
1.8	2.2	53	0	0	2.2	2.4	4	2.67	17.9	34	0	34	63.6	2.4	0	5	0.8	2	2.44	43.3
2	1.8	44	0	0	1.8	2.4	4	2.74	17.6	37.6	0	37.6	46.9	2.5	0	4	0.83	2	2.51	35.2
2.2	1.7	44	0	0	1.7	2.6	4	2.78	17.5	41.1	0	41.1	40.4	2.7	0	4	0.84	2	2.55	33.2
2.4	1.8	89	0	0	1.8	4.9	3	2.93	18.4	44.7	0	44.7	39.2	5.1	0	3	0.91	2	2.72	35.1
2.6	2.7	84	0	0	2.7	3.1	4	2.67	18.5	48.4	0	48.4	54.7	3.2	0	4	0.82	1.81	2.48	48
2.8	1.8	120	0	0	1.8	6.7	3	3.02	18.7	52.2	0	52.2	33.5	6.9	0	3	0.96	1.86	2.84	32.6
3	2.2	116	0	0	2.2	5.3	3	2.88	18.8	55.9	0	55.9	38.3	5.4	0	3	0.92	1.71	2.73	36.6
3.2	5.2	133	0	0	5.2	2.6	5	2.4	19.2	59.8	0	59.8	86	2.6	0	5	0.75	1.47	2.28	75.6
3.4	5.7	98	0	0	5.7	1.7	5	2.25	18.9	63.6	0	63.6	88.7	1.7	0	5	0.7	1.37	2.15	77.5
3.6	5.2	107	0	0	5.2	2.1	5	2.33	19	67.4	0	67.4	76.2	2.1	0	5	0.74	1.34	2.24	68.7
3.8	2.8	58	0	0	2.8	2.1	4	2.54	18.1	71	0	71	38.5	2.1	0	5	0.82	1.33	2.46	36.2
4	1.3	22	0	0	1.3	1.7	4	2.77	16.6	74.3	0	74.3	16.5	1.8	0	4	0.92	1.31	2.7	16.1
4.2	2.2	76	0	0	2.2	3.5	4	2.76	18.3	78	0	78	27.2	3.6	0	4	0.92	1.26	2.71	26.7
4.4	7.8	124	0	0	7.8	1.6	5	2.13	19.3	81.8	0	81.8	94.3	1.6	0	5	0.69	1.15	2.09	88.6
4.6	11.1	293	0	0	11.1	2.6	5	2.18	20.4	85.9	0	85.9	128.2	2.7	0	5	0.71	1.11	2.15	122.7
4.8	11.8	249	0	0	11.8	2.1	5	2.09	20.3	90	0	90	130.2	2.1	0	5	0.68	1.07	2.07	125.9
5	8.8	218	0	0	8.8	2.5	5	2.22	20	94	0	94	92.6	2.5	0	5	0.74	1.05	2.21	91.2
5.2	15	271	0	0	15	1.8	6	1.97	20.5	98.1	0	98.1	152	1.8	0	6	0.65	1.01	1.96	150.9
5.4	16.5	222	0	0	16.5	1.3	6	1.84	20.3	102.1	0	102.1	160.6	1.4	0	6	0.61	0.99	1.85	161.9
5.6	18	276	0	0	18	1.5	6	1.86	20.6	106.2	0	106.2	168.4	1.5	0	6	0.62	0.96	1.87	172.4
5.8	13.3	276	0	0	13.3	2.1	5	2.05	20.4	110.3	0	110.3	119.6	2.1	0	5	0.69	0.93	2.07	123.2
6	11.3	187	0	0	11.3	1.7	5	2.02	19.9	114.3	0	114.3	97.9	1.7	0	5	0.69	0.91	2.05	102
6.2	9.6	191	0	0	9.6	2	5	2.13	19.9	118.3	0	118.3	80.2	2	0	5	0.74	0.88	2.17	83.8
6.4	8.7	178	0	0	8.7	2	5	2.17	19.8	122.2	0	122.2	70.2	2.1	0	5	0.76	0.86	2.22	73.7
6.6	9.8	213	0	0	9.8	2.2	5	2.15	20	126.2	0	126.2	76.6	2.2	0	5	0.75	0.84	2.21	81.1
6.8	8.1	133	0	0	8.1	1.6	5	2.13	19.4	130.1	0	130.1	61.2	1.7	0	5	0.75	0.82	2.19	65.4

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	5.4	227	9	7.00E-07	18	75.5	0	0	75	94	14	385.1	7.7	0.3	35.6	215	0	2.2	1.7	20
0.6	3.2	120	4	3.20E-07	12	44.6	0	0	51	64	14	227.7	4.6	0.3	21	182	0	1.9	1.9	20
0.8	4	84	5	1.80E-06	12	55.8	48	39	46	58	0	0	0	0.3	0	175	-0.1	0	0	20
1	4.7	124	5	1.50E-06	15	65.5	52	39	56	70	0	0	0	0.3	0	190	-0.2	0	0	20
1.2	4.1	120	5	9.20E-07	13	57.1	48	39	54	67	0	0	0	0.3	0	186	-0.2	0	0	20
1.4	4	102	5	1.20E-06	13	55.6	48	39	50	63	0	0	0	0.3	0	181	-0.2	0	0	20
1.6	2.7	58	5	7.10E-07	9	37.4	39	37	37	46	0	0	0	0.3	0	159	-0.1	0	0	20
1.8	2.2	53	5	3.40E-07	8	30.3	35	36	34	43	0	0	0	0.3	0	153	-0.1	0	0	20
2	1.8	44	4	2.10E-07	7	24.7	0	0	30	38	14	125.9	2.5	0.3	11.6	146	0	1.5	2.8	20
2.2	1.7	44	4	1.60E-07	7	23.2	0	0	30	38	14	118.5	2.4	0.3	10.9	145	0	1.5	2.6	20
2.4	1.8	89	3	4.80E-08	8	24.6	0	0	0	50	14	125.4	2.5	0.3	11.6	163	0	1.5	1.4	20
2.6	2.7	84	4	2.50E-07	10	37.1	0	0	44	55	14	189.4	3.4	0.3	15.9	171	0	1.7	2.2	20
2.8	1.8	120	3	2.10E-08	8	24.5	0	0	0	57	14	124.8	2.3	0.3	10.8	173	0	1.5	1	20
3	2.2	116	3	4.50E-08	10	30	0	0	0	61	14	153.1	2.6	0.3	12.1	179	0	1.5	1.3	20
3.2	5.2	133	5	1.00E-06	17	72	46	38	66	83	0	0	0	0.3	0	206	-0.2	0	0	20
3.4	5.7	98	5	2.60E-06	17	77.4	47	38	62	77	0	0	0	0.3	0	200	-0.1	0	0	20
3.6	5.2	107	5	1.30E-06	16	71.9	44	38	63	79	0	0	0	0.3	0	202	-0.1	0	0	20
3.8	2.8	58	5	3.00E-07	10	38.2	32	35	44	55	0	0	0	0.3	0	173	-0.1	0	0	20
4	1.3	22	4	5.50E-08	6	17.2	0	0	0	34	14	87.5	1.1	0.3	5.3	141	0	1.2	3.9	20
4.2	2.2	76	4	5.30E-08	9	29.7	0	0	0	59	14	151.6	1.9	0.3	8.8	178	0	1.4	2	20
4.4	7.8	124	5	4.10E-06	22	97.5	50	39	78	98	0	0	0	0.3	0	223	-0.1	0	0	20
4.6	11.1	293	5	2.70E-06	33	150.5	59	41	120	150	0	0	0	0.3	0	269	-0.2	0	0	20
4.8	11.8	249	5	4.70E-06	33	144.4	60	41	115	144	0	0	0	0.3	0	264	-0.2	0	0	20
5	8.8	218	5	1.70E-06	27	121.9	51	39	103	129	0	0	0	0.3	0	252	-0.2	0	0	20
5.2	15	271	6	9.60E-06	40	161.3	66	42	129	161	0	0	0	0.3	0	278	-0.2	0	0	20
5.4	16.5	222	6	2.20E-05	40	153.3	68	42	122	153	0	0	0	0.3	0	272	-0.2	0	0	20
5.6	18	276	6	1.80E-05	45	172.4	70	42	138	172	0	0	0	0.3	0	287	-0.2	0	0	20
5.8	13.3	276	5	4.60E-06	37	162.8	59	41	130	163	0	0	0	0.3	0	280	-0.2	0	0	20
6	11.3	187	5	5.10E-06	32	135.7	54	40	108	136	0	0	0	0.3	0	258	-0.1	0	0	20
6.2	9.6	191	5	2.20E-06	29	133.5	49	39	106	133	0	0	0	0.3	0	257	-0.1	0	0	20
6.4	8.7	178	5	1.60E-06	27	120.1	46	38	103	128	0	0	0	0.3	0	252	-0.1	0	0	20
6.6	9.8	213	5	1.70E-06	30	135.4	48	39	114	143	0	0	0	0.3	0	264	-0.1	0	0	20
6.8	8.1	133	5	1.90E-06	25	115.6	43	38	92	116	0	0	0	0.3	0	242	-0.1	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	0.6	53	0	0	0.6	8.8	2	3.46	17.4	6.9	0	6.9	85.4	8.9	0	3	1	2	3.23	11.9
0.6	5	133	0	0	5	2.7	5	2.42	19.2	10.8	0	10.8	462.4	2.7	0	5	0.7	2	2.21	99.8
0.8	2.3	129	0	0	2.3	5.6	3	2.89	18.9	14.6	0	14.6	156.9	5.6	0	3	0.88	2	2.68	45.7
1	1.6	62	0	0	1.6	3.9	3	2.9	17.9	18.2	0	18.2	87.1	3.9	0	4	0.88	2	2.68	31.6
1.2	1.3	53	0	0	1.3	4.1	3	2.99	17.7	21.7	0	21.7	59	4.1	0	4	0.91	2	2.76	25.6
1.4	1.3	27	0	0	1.3	2.1	4	2.82	16.9	25.1	0	25.1	50.9	2.1	0	4	0.84	2	2.58	25.5
1.6	1.9	76	0	0	1.9	4	3	2.85	18.2	28.7	0	28.7	65.2	4.1	0	4	0.87	2	2.63	37.4
1.8	1.5	40	0	0	1.5	2.7	4	2.83	17.4	32.2	0	32.2	45.6	2.7	0	4	0.86	2	2.6	29.4
2	1.5	44	0	0	1.5	2.9	3	2.85	17.5	35.7	0	35.7	41	3	0	4	0.87	2	2.63	29.3
2.2	1.8	27	0	0	1.8	1.5	4	2.62	17	39.1	0	39.1	45.1	1.5	0	5	0.78	2	2.38	35.2
2.4	1.8	76	0	0	1.8	4.2	3	2.89	18.2	42.7	0	42.7	41.1	4.3	0	4	0.89	2	2.67	35.1
2.6	3.9	31	0	0	3.9	0.8	5	2.19	17.5	46.2	0	46.2	83.4	0.8	0	6	0.64	1.64	2.01	63.2
2.8	4.1	80	0	0	4.1	2	5	2.4	18.6	49.9	0	49.9	81.1	2	0	5	0.73	1.66	2.24	67.1
3	1.2	36	2	0	1.2	3	3	2.94	17.2	53.4	2	51.4	22.3	3.1	0	4	0.92	1.85	2.75	21.2
3.2	0.6	4	3.9	0	0.6	0.7	4	2.89	14.4	56.2	3.9	52.3	10.4	0.7	0	4	0.91	1.8	2.71	9.8
3.4	1	9	5.9	0	1	0.9	4	2.74	15.5	59.3	5.9	53.5	17.6	1	0	5	0.85	1.71	2.56	16.1
3.6	0.6	40	7.8	0	0.6	6.6	3	3.38	17	62.7	7.8	54.9	9.8	7.4	0	3	1	1.82	3.24	9.8
3.8	6.2	31	9.8	0	6.2	0.5	6	1.92	17.6	66.3	9.8	56.5	108.7	0.5	0	6	0.56	1.38	1.8	84.6
4	7.1	102	11.8	0	7.1	1.4	5	2.13	19.1	70.1	11.8	58.3	120.6	1.5	0	6	0.65	1.42	2.02	99.7
4.2	7.6	71	13.7	0	7.6	0.9	6	1.99	18.7	73.8	13.7	60.1	125.3	0.9	0	6	0.6	1.36	1.89	102.1
4.4	7.3	49	15.7	0	7.3	0.7	6	1.92	18.2	77.5	15.7	61.8	117	0.7	0	6	0.58	1.32	1.82	95.4
4.6	4.9	53	17.7	0	4.9	1.1	5	2.18	18.2	81.1	17.7	63.4	76	1.1	0	5	0.67	1.36	2.08	65.5
4.8	1.8	49	19.6	0	1.8	2.7	4	2.77	17.7	84.6	19.6	65	26.4	2.9	0	4	0.9	1.47	2.66	25.3
5	4.9	49	21.6	0	4.9	1	5	2.16	18.1	88.3	21.6	66.7	72.2	1	0	5	0.67	1.31	2.07	63.3
5.2	7.5	116	23.5	0	7.5	1.5	5	2.13	19.2	92.1	23.5	68.6	108.1	1.6	0	5	0.67	1.29	2.05	95.4
5.4	11.3	31	25.5	0	11.3	0.3	6	1.57	17.9	95.7	25.5	70.2	159.8	0.3	0	6	0.46	1.18	1.5	131.8
5.6	10.9	129	27.5	0	10.9	1.2	6	1.93	19.5	99.6	27.5	72.1	149.9	1.2	0	6	0.6	1.22	1.87	131.5
5.8	3	93	29.4	0	3	3.1	4	2.63	18.6	103.3	29.4	73.9	39.3	3.2	0	4	0.86	1.3	2.56	37.7
6	5.7	71	31.4	0	5.7	1.2	5	2.16	18.6	107	31.4	75.6	74	1.3	0	5	0.69	1.21	2.11	67.9
6.2	4.4	116	33.4	0	4.4	2.6	5	2.46	19	110.8	33.4	77.5	55.5	2.7	0	5	0.81	1.23	2.4	52.8
6.4	2	76	35.3	0	2	3.8	3	2.82	18.2	114.5	35.3	79.1	23.9	4	0	3	0.95	1.25	2.78	23.6
6.6	2.3	27	37.3	0	2.3	1.2	5	2.47	17.1	117.9	37.3	80.6	27.2	1.2	0	5	0.82	1.19	2.44	26.1
6.8	1.9	49	39.2	0	1.9	2.6	4	2.73	17.7	121.4	39.2	82.2	21.7	2.7	0	4	0.92	1.2	2.71	21.4
8.6	1.3	36	56.9	0	1.3	2.7	3	2.88	17.2	153.6	56.9	96.7	12	3.1	0	3	1	1.03	2.94	12

	In situ data											Estimations								
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	0.6	53	3	1.30E-09	4	7	0	0	0	32	14	42.4	0.8	0.3	3.9	135	0	1	0.8	20
0.6	5	133	5	1.70E-06	15	69.8	53	40	59	73	0	0	0	0.3	0	194	-0.2	0	0	20
0.8	2.3	129	3	6.50E-08	10	32	0	0	0	61	14	163.2	3.3	0.3	15.1	178	0	1.7	1.2	20
1	1.6	62	4	6.50E-08	7	22.1	0	0	0	42	14	113	2.3	0.3	10.4	152	0	1.5	1.8	20
1.2	1.3	53	4	3.60E-08	6	17.9	0	0	0	38	14	91.3	1.8	0.3	8.4	145	0	1.4	1.7	20
1.4	1.3	27	4	1.30E-07	5	17.8	0	0	24	30	14	91.1	1.8	0.3	8.4	132	0	1.4	3.3	20
1.6	1.9	76	4	8.80E-08	8	26.2	0	0	0	47	14	133.7	2.7	0.3	12.4	160	0	1.6	1.7	20
1.8	1.5	40	4	1.10E-07	6	20.5	0	0	28	35	14	104.8	2.1	0.3	9.7	141	0	1.4	2.6	20
2	1.5	44	4	9.30E-08	6	20.5	0	0	0	37	14	104.6	2.1	0.3	9.7	143	0	1.4	2.3	20
2.2	1.8	27	5	5.10E-07	6	24.7	32	35	26	32	0	0	0	0.3	0	137	-0.1	0	0	20
2.4	1.8	76	4	6.70E-08	8	24.6	0	0	0	47	14	125.5	2.5	0.3	11.6	159	0	1.5	1.6	20
2.6	3.9	31	6	6.80E-06	11	44.4	42	37	35	44	0	0	0	0.3	0	158	-0.1	0	0	20
2.8	4.1	80	5	1.40E-06	13	56.7	44	38	49	62	0	0	0	0.3	0	181	-0.1	0	0	20
3	1.2	36	4	4.00E-08	5	16.1	0	0	0	33	14	81.9	1.5	0.3	7	138	0	1.3	2.2	20
3.2	0.6	4	4	5.30E-08	3	5.3	0	0	0	15	14	38.9	0.7	0.3	3.2	101	0	1	9.5	20
3.4	1	9	5	1.40E-07	4	13.2	21	31	17	22	0	0	0	0.3	0	117	0	0	0	20
3.6	0.6	40	3	1.30E-09	4	5.3	0	0	0	29	14	38.5	0.7	0.3	3.2	130	0	1	0.9	20
3.8	6.2	31	6	3.10E-05	15	53.8	49	39	43	54	0	0	0	0.3	0	173	-0.1	0	0	20
4	7.1	102	6	6.60E-06	19	81.5	53	40	65	82	0	0	0	0.3	0	205	-0.1	0	0	20
4.2	7.6	71	6	1.60E-05	19	73.9	54	40	59	74	0	0	0	0.3	0	197	-0.1	0	0	20
4.4	7.3	49	6	2.50E-05	18	65.5	52	39	52	66	0	0	0	0.3	0	188	-0.1	0	0	20
4.6	4.9	53	5	4.30E-06	14	60.4	43	38	48	60	0	0	0	0.3	0	181	-0.1	0	0	20
4.8	1.8	49	4	7.30E-08	7	24.1	0	0	0	45	14	122.8	1.8	0.3	8.3	158	0	1.4	2.5	20
5	4.9	49	5	4.50E-06	14	59.7	43	37	48	60	0	0	0	0.3	0	180	-0.1	0	0	20
5.2	7.5	116	5	5.10E-06	21	90	52	39	72	90	0	0	0	0.3	0	214	-0.1	0	0	20
5.4	11.3	31	6	2.40E-04	22	67.7	61	41	54	68	0	0	0	0.3	0	193	-0.1	0	0	20
5.6	10.9	129	6	1.80E-05	27	104.2	61	41	83	104	0	0	0	0.3	0	229	-0.2	0	0	20
5.8	3	93	4	1.50E-07	12	40.6	0	0	53	67	14	207.3	2.7	0.3	12.4	188	0	1.6	2.2	20
6	5.7	71	5	3.50E-06	16	72.5	44	38	58	73	0	0	0	0.3	0	196	-0.1	0	0	20
6.2	4.4	116	5	4.40E-07	15	60.1	39	37	65	81	0	0	0	0.3	0	205	-0.1	0	0	20
6.4	2	76	3	3.20E-08	9	26.5	0	0	0	57	14	135.2	1.7	0.3	7.8	176	0	1.3	1.7	20
6.6	2.3	27	5	3.50E-07	8	30.7	27	33	34	43	0	0	0	0.3	0	157	0	0	0	20
6.8	1.9	49	4	5.30E-08	8	25	0	0	0	50	14	127.6	1.5	0.3	7.1	166	0	1.3	2.6	20
8.6	1.3	36	3	1.00E-08	7	13.9	0	0	0	43	14	82.7	0.9	0.3	4	157	0	1.1	2.3	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	3.5	89	0	0	3.5	2.5	4	2.52	19	7.6	0	7.6	459.5	2.5	0	5	0.73	2	2.3	69.8
0.6	0.9	36	0	0	0.9	4	3	3.11	19	11.4	0	11.4	77.9	4.1	0	3	0.95	2	2.88	17.8
0.8	0.5	18	0	0	0.5	3.6	3	3.3	19	15.2	0	15.2	31.9	3.7	0	3	1	2	3.06	9.7
1	0.6	31	0	0	0.6	5.2	3	3.32	19	19	0	19	30.6	5.3	0	3	1	2	3.09	11.6
1.2	0.7	27	0	0	0.7	3.9	3	3.19	19	22.8	0	22.8	29.7	4	0	3	0.99	2	2.96	13.5
1.4	1.4	31	0	0	1.4	2.2	4	2.81	19	26.6	0	26.6	51.6	2.3	0	4	0.84	2	2.57	27.5
1.6	2	31	0	0	2	1.6	4	2.59	19	30.4	0	30.4	64.8	1.6	0	5	0.76	2	2.35	39.4
1.8	2.1	40	0	0	2.1	1.9	4	2.62	19	34.2	0	34.2	60.4	1.9	0	5	0.78	2	2.39	41.3
2	2.1	44	0	0	2.1	2.1	4	2.65	19	38	0	38	54.3	2.1	0	5	0.79	2	2.42	41.2
2.2	2.5	53	0	0	2.5	2.1	4	2.59	19	41.8	0	41.8	58.8	2.2	0	5	0.77	1.96	2.37	48.3
2.4	3	62	0	0	3	2.1	4	2.52	19	45.6	0	45.6	64.8	2.1	0	5	0.76	1.81	2.33	53.6
2.6	3.5	67	0	0	3.5	1.9	5	2.45	19	49.4	0	49.4	69.9	1.9	0	5	0.74	1.69	2.28	58.2
2.8	3.3	62	0	0	3.3	1.9	5	2.46	19	53.2	0	53.2	61	1.9	0	5	0.76	1.61	2.31	52.3
3	3.7	67	0	0	3.7	1.8	5	2.41	19	57	0	57	63.9	1.8	0	5	0.75	1.52	2.28	55.4
3.2	3.7	67	0	0	3.7	1.8	5	2.41	19	60.8	0	60.8	59.9	1.8	0	5	0.75	1.46	2.29	53
3.4	2.7	53	0	0	2.7	2	4	2.54	19	64.6	0	64.6	40.8	2	0	5	0.81	1.42	2.43	37.5
3.6	2.2	62	0	0	2.2	2.8	4	2.71	19	68.4	0	68.4	31.2	2.9	0	4	0.88	1.4	2.61	29.8
3.8	3.7	49	0	0	3.7	1.3	5	2.33	19	72.2	0	72.2	50.2	1.4	0	5	0.74	1.27	2.25	46.2
4	2.9	31	0	0	2.9	1.1	5	2.37	19	76	0	76	37.2	1.1	0	5	0.77	1.23	2.3	34.8
4.2	7.9	116	0	0	7.9	1.5	5	2.1	19	79.8	0	79.8	98	1.5	0	5	0.67	1.16	2.05	91
4.4	8.3	89	0	0	8.3	1.1	6	2	19	83.6	0	83.6	98.3	1.1	0	6	0.64	1.12	1.96	92.1
4.6	7.1	120	0	0	7.1	1.7	5	2.18	19	87.4	0	87.4	80.2	1.7	0	5	0.71	1.1	2.15	77.2
4.8	5.4	111	0	0	5.4	2.1	5	2.32	19	91.2	0	91.2	58.2	2.1	0	5	0.77	1.07	2.3	57
5	5.8	164	0	0	5.8	2.8	5	2.39	19	95	0	95	60.1	2.9	0	5	0.81	1.04	2.39	59.5
5.2	6.9	133	0	0	6.9	1.9	5	2.22	19	98.8	0	98.8	68.8	2	0	5	0.75	1.01	2.23	68.6
5.4	10.6	62	0	0	10.6	0.6	6	1.75	19	102.6	0	102.6	102.3	0.6	0	6	0.57	0.99	1.76	103.4
5.6	13.6	124	0	0	13.6	0.9	6	1.79	19	106.4	0	106.4	126.8	0.9	0	6	0.59	0.96	1.8	130.1
5.8	8.7	151	0	0	8.7	1.7	5	2.12	19	110.2	0	110.2	77.9	1.8	0	5	0.72	0.93	2.14	80.1
6	7.4	138	0	0	7.4	1.9	5	2.19	19	114	0	114	63.9	1.9	0	5	0.76	0.91	2.23	66
6.2	6.2	98	0	0	6.2	1.6	5	2.2	19	117.8	0	117.8	51.6	1.6	0	5	0.77	0.88	2.25	53.6
6.4	6.3	138	0	0	6.3	2.2	5	2.29	19	121.6	0	121.6	50.8	2.2	0	5	0.81	0.85	2.35	52.8
6.6	3.6	71	0	0	3.6	2	5	2.45	19	125.4	0	125.4	27.7	2	0	4	0.88	0.82	2.53	28.5
6.8	10.7	142	0	0	10.7	1.3	6	1.97	19	129.2	0	129.2	81.8	1.3	0	6	0.69	0.84	2.03	88.6
8.6	12.6	249	0	0	12.6	2	5	2.05	19	163.4	0	163.4	76.1	2	0	5	0.76	0.69	2.16	85.8
8.8	13	250	0	0	13	1.9	5	2.03	19	167.2	0	167.2	76.8	1.9	0	5	0.75	0.68	2.15	87.2

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	3.5	89	5	9.20E-07	11	48.9	45	38	46	58	0	0	0	0.3	0	173	-0.1	0	0	20
0.6	0.9	36	3	1.60E-08	4	12.4	0	0	0	31	14	63.5	1.3	0.3	5.9	126	0	1.2	1.7	20
0.8	0.5	18	3	4.40E-09	3	4.7	0	0	0	21	14	34.6	0.7	0.3	3.2	104	0	1	1.9	20
1	0.6	31	3	3.50E-09	3	6.8	0	0	0	26	14	41.5	0.8	0.3	3.8	117	0	1	1.3	20
1.2	0.7	27	3	8.80E-09	4	9.2	0	0	0	26	14	48.4	1	0.3	4.5	116	0	1.1	1.8	20
1.4	1.4	31	4	1.40E-07	5	19.2	0	0	26	32	14	98.1	2	0.3	9.1	129	0	1.4	3.1	20
1.6	2	31	5	6.40E-07	7	27.6	34	35	28	35	0	0	0	0.3	0	134	-0.1	0	0	20
1.8	2.1	40	5	4.90E-07	7	28.9	34	35	31	38	0	0	0	0.3	0	141	-0.1	0	0	20
2	2.1	44	5	4.00E-07	7	28.9	34	35	32	40	0	0	0	0.3	0	143	-0.1	0	0	20
2.2	2.5	53	5	5.70E-07	9	34.4	37	36	35	44	0	0	0	0.3	0	151	-0.1	0	0	20
2.4	3	62	5	7.60E-07	10	41.4	39	37	40	51	0	0	0	0.3	0	162	-0.1	0	0	20
2.6	3.5	67	5	1.10E-06	11	48.3	41	37	44	55	0	0	0	0.3	0	169	-0.1	0	0	20
2.8	3.3	62	5	8.70E-07	11	45.5	39	37	43	54	0	0	0	0.3	0	167	-0.1	0	0	20
3	3.7	67	5	1.10E-06	12	51	40	37	47	59	0	0	0	0.3	0	174	-0.1	0	0	20
3.2	3.7	67	5	9.60E-07	12	50.9	39	37	48	60	0	0	0	0.3	0	176	-0.1	0	0	20
3.4	2.7	53	5	3.60E-07	10	36.9	33	35	41	52	0	0	0	0.3	0	163	-0.1	0	0	20
3.6	2.2	62	4	1.00E-07	9	29.8	0	0	0	52	14	152.3	2.1	0.3	9.8	164	0	1.4	2.4	20
3.8	3.7	49	5	1.30E-06	12	50.8	36	36	45	57	0	0	0	0.3	0	171	-0.1	0	0	20
4	2.9	31	5	8.90E-07	10	39.5	32	35	37	47	0	0	0	0.3	0	156	0	0	0	20
4.2	7.9	116	5	5.10E-06	22	94.8	51	39	76	95	0	0	0	0.3	0	221	-0.1	0	0	20
4.4	8.3	89	6	9.90E-06	22	88.5	51	39	71	88	0	0	0	0.3	0	214	-0.1	0	0	20
4.6	7.1	120	5	2.60E-06	21	95.9	47	38	77	96	0	0	0	0.3	0	222	-0.1	0	0	20
4.8	5.4	111	5	8.80E-07	18	74.3	40	37	71	88	0	0	0	0.3	0	214	-0.1	0	0	20
5	5.8	164	5	5.00E-07	20	79.9	41	37	84	105	0	0	0	0.3	0	233	-0.1	0	0	20
5.2	6.9	133	5	1.50E-06	22	95.2	44	38	82	102	0	0	0	0.3	0	230	-0.1	0	0	20
5.4	10.6	62	6	4.00E-05	24	87.8	54	40	70	88	0	0	0	0.3	0	213	-0.1	0	0	20
5.6	13.6	124	6	3.00E-05	32	118.6	61	41	95	119	0	0	0	0.3	0	247	-0.2	0	0	20
5.8	8.7	151	5	2.70E-06	26	116.9	48	39	93	117	0	0	0	0.3	0	246	-0.1	0	0	20
6	7.4	138	5	1.50E-06	23	102	43	38	88	110	0	0	0	0.3	0	239	-0.1	0	0	20
6.2	6.2	98	5	1.30E-06	20	85.2	39	37	76	95	0	0	0	0.3	0	221	-0.1	0	0	20
6.4	6.3	138	5	6.50E-07	21	86.5	39	37	87	109	0	0	0	0.3	0	237	-0.1	0	0	20
6.6	3.6	71	4	1.80E-07	14	48.6	0	0	61	77	14	248.2	2	0.3	9.4	199	0	1.4	3.4	20
6.8	10.7	142	6	5.90E-06	29	125	50	39	100	125	0	0	0	0.3	0	254	-0.1	0	0	20
8.6	12.6	249	5	2.40E-06	38	173	50	39	138	173	0	0	0	0.3	0	299	-0.1	0	0	20
8.8	13	250	5	2.60E-06	39	175.6	50	39	140	176	0	0	0	0.3	0	301	-0.1	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
1	3	89	0	0	3	3	4	2.62	18.6	18.6	0	18.6	160.5	3	0	5	0.77	2	2.4	59.6
1.2	2.9	89	0	0	2.9	3.1	4	2.64	18.6	22.3	0	22.3	129.1	3.1	0	5	0.78	2	2.42	57.6
1.4	3	80	0	0	3	2.7	4	2.59	18.4	26	0	26	114.5	2.7	0	5	0.76	2	2.37	59.5
1.6	3.5	76	0	0	3.5	2.2	5	2.48	18.4	29.7	0	29.7	117	2.2	0	5	0.72	2	2.26	69.4
1.8	4.1	62	0	0	4.1	1.5	5	2.33	18.3	33.3	0	33.3	122.1	1.5	0	5	0.67	2	2.1	81.3
2	3.1	53	0	0	3.1	1.7	5	2.46	18	36.9	0	36.9	83	1.7	0	5	0.72	2	2.23	61.3
2.2	2.8	31	0	0	2.8	1.1	5	2.39	17.3	40.4	0	40.4	68.3	1.1	0	5	0.7	1.88	2.17	51.9
2.4	3.6	58	0	0	3.6	1.6	5	2.39	18.1	44	0	44	80.8	1.6	0	5	0.71	1.79	2.2	63.6
2.6	3.8	62	0	0	3.8	1.6	5	2.38	18.2	47.7	0	47.7	78.7	1.7	0	5	0.71	1.7	2.2	63.6
2.8	4.4	44	0	0	4.4	1	5	2.2	17.9	51.2	0	51.2	84.9	1	0	6	0.66	1.55	2.05	67.4
3	4.9	67	0	0	4.9	1.4	5	2.24	18.4	54.9	0	54.9	88.2	1.4	0	5	0.68	1.5	2.11	72.8
3.2	3.7	102	0	0	3.7	2.8	4	2.53	18.8	58.7	0	58.7	62	2.8	0	5	0.79	1.53	2.4	55.6
3.4	5.5	89	0	0	5.5	1.6	5	2.25	18.8	62.5	0	62.5	87.1	1.6	0	5	0.7	1.39	2.14	75.5
3.6	3.3	156	0	0	3.3	4.7	4	2.72	19.3	66.3	0	66.3	48.8	4.8	0	4	0.88	1.44	2.62	46.5
3.8	2.6	53	0	0	2.6	2	4	2.57	17.9	69.9	0	69.9	36.2	2.1	0	5	0.83	1.35	2.48	34
4	4.8	84	0	0	4.8	1.8	5	2.32	18.7	73.6	0	73.6	64.2	1.8	0	5	0.74	1.26	2.24	59.3
4.2	3.8	107	0	0	3.8	2.8	4	2.53	18.9	77.4	0	77.4	48.1	2.9	0	4	0.83	1.24	2.47	46
4.4	6	142	0	0	6	2.4	5	2.33	19.4	81.3	0	81.3	72.8	2.4	0	5	0.76	1.17	2.28	69.3
4.6	7.2	138	0	0	7.2	1.9	5	2.21	19.4	85.2	0	85.2	83.5	1.9	0	5	0.72	1.12	2.17	79.9
4.8	7.1	156	0	0	7.1	2.2	5	2.25	19.5	89.1	0	89.1	78.7	2.2	0	5	0.74	1.09	2.23	76.4
5	10.1	173	0	0	10.1	1.7	5	2.07	19.8	93	0	93	107.6	1.7	0	5	0.68	1.05	2.05	105.1
5.2	14.1	209	0	0	14.1	1.5	6	1.92	20.1	97.1	0	97.1	144.3	1.5	0	6	0.63	1.02	1.92	142.7
5.4	9.9	200	0	0	9.9	2	5	2.13	20	101.1	0	101.1	97	2	0	5	0.71	0.99	2.13	97.3
5.6	7.8	116	0	0	7.8	1.5	5	2.11	19.2	104.9	0	104.9	73.4	1.5	0	5	0.71	0.97	2.12	74.4
5.8	7.8	151	0	0	7.8	1.9	5	2.19	19.5	108.8	0	108.8	70.7	2	0	5	0.75	0.94	2.21	72.2
6	6.6	218	0	0	6.6	3.3	5	2.4	19.9	112.8	0	112.8	57.5	3.4	0	4	0.84	0.9	2.44	58.7
6.2	8.9	169	0	0	8.9	1.9	5	2.14	19.7	116.7	0	116.7	75.2	1.9	0	5	0.74	0.89	2.18	78.3
6.4	15.6	347	0	0	15.6	2.2	5	2.03	20.8	120.9	0	120.9	128	2.2	0	5	0.7	0.88	2.06	135.6
6.6	13.9	307	0	0	13.9	2.2	5	2.05	20.6	125	0	125	110.2	2.2	0	5	0.71	0.85	2.1	117.5
6.8	15.6	300	0	0	15.6	1.9	6	1.98	20.6	129.1	0	129.1	119.8	1.9	0	5	0.69	0.84	2.03	129.8

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
1	3	89	5	4.60E-07	1.00E+01	41.7	41	37	45	56	0	0	0	0.3	0	172	-0.1	0	0	20
1.2	2.9	89	5	4.00E-07	1.00E+01	40.3	41	37	44	55	0	0	0	0.3	0	171	-0.1	0	0	20
1.4	3	80	5	5.80E-07	1.00E+01	41.6	41	37	43	54	0	0	0	0.3	0	169	-0.1	0	0	20
1.6	3.5	76	5	1.30E-06	1.10E+01	48.6	45	38	43	54	0	0	0	0.3	0	170	-0.1	0	0	20
1.8	4.1	62	5	3.80E-06	1.20E+01	52.2	48	39	42	52	0	0	0	0.3	0	167	-0.1	0	0	20
2	3.1	53	5	1.50E-06	1.00E+01	42.9	42	37	37	46	0	0	0	0.3	0	159	-0.1	0	0	20
2.2	2.8	31	5	2.30E-06	8.00E+00	38.6	39	36	31	39	0	0	0	0.3	0	148	-0.1	0	0	20
2.4	3.6	58	5	1.90E-06	1.10E+01	51.7	43	37	41	52	0	0	0	0.3	0	167	-0.1	0	0	20
2.6	3.8	62	5	1.80E-06	1.20E+01	52.5	43	37	44	55	0	0	0	0.3	0	172	-0.1	0	0	20
2.8	4.4	44	6	5.30E-06	1.20E+01	52.4	44	38	42	52	0	0	0	0.3	0	169	-0.1	0	0	20
3	4.9	67	5	3.50E-06	1.40E+01	62.8	46	38	50	63	0	0	0	0.3	0	183	-0.1	0	0	20
3.2	3.7	102	5	4.50E-07	1.30E+01	51	40	37	55	68	0	0	0	0.3	0	189	-0.1	0	0	20
3.4	5.5	89	5	2.70E-06	1.60E+01	73.8	46	38	59	74	0	0	0	0.3	0	196	-0.1	0	0	20
3.6	3.3	156	4	9.60E-08	1.30E+01	45.3	0	0	0	80	14	231	3.3	0.3	15.3	203	0	1.7	1.5	20
3.8	2.6	53	5	2.70E-07	1.00E+01	35.4	31	34	42	52	0	0	0	0.3	0	169	-0.1	0	0	20
4	4.8	84	5	1.30E-06	1.50E+01	66.2	41	37	58	73	0	0	0	0.3	0	196	-0.1	0	0	20
4.2	3.8	107	4	2.90E-07	1.40E+01	52.1	0	0	61	76	14	265.9	3.3	0.3	15.2	199	0	1.7	2.4	20
4.4	6	142	5	1.00E-06	1.90E+01	82.9	44	38	77	96	0	0	0	0.3	0	220	-0.1	0	0	20
4.6	7.2	138	5	2.20E-06	2.20E+01	100.6	48	39	80	101	0	0	0	0.3	0	225	-0.1	0	0	20
4.8	7.1	156	5	1.50E-06	2.20E+01	98.2	47	38	85	106	0	0	0	0.3	0	231	-0.1	0	0	20
5	10.1	173	5	5.10E-06	2.80E+01	121.5	55	40	97	122	0	0	0	0.3	0	245	-0.2	0	0	20
5.2	14.1	209	6	1.30E-05	3.60E+01	142.8	64	41	114	143	0	0	0	0.3	0	264	-0.2	0	0	20
5.4	9.9	200	5	3.00E-06	2.90E+01	130.9	53	39	104	131	0	0	0	0.3	0	254	-0.2	0	0	20
5.6	7.8	116	5	3.10E-06	2.30E+01	102	46	38	81	102	0	0	0	0.3	0	228	-0.1	0	0	20
5.8	7.8	151	5	1.70E-06	2.40E+01	107.7	45	38	91	114	0	0	0	0.3	0	239	-0.1	0	0	20
6	6.6	218	4	3.50E-07	2.40E+01	90.8	0	0	102	128	14	463.4	4.2	0.3	19.4	251	0	1.8	2.1	20
6.2	8.9	169	5	2.10E-06	2.70E+01	124.8	47	38	100	125	0	0	0	0.3	0	249	-0.1	0	0	20
6.4	15.6	347	5	4.80E-06	4.40E+01	189.9	62	41	152	190	0	0	0	0.3	0	300	-0.2	0	0	20
6.6	13.9	307	5	3.60E-06	4.00E+01	177.6	58	40	142	178	0	0	0	0.3	0	291	-0.2	0	0	20
6.8	15.6	300	5	6.10E-06	4.30E+01	181.6	61	41	145	182	0	0	0	0.3	0	294	-0.2	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	2.6	22	0	0	2.6	0.8	5	2.36	16.9	6.8	0	6.8	383.4	0.8	0	5	0.65	2	2.1	51.9
0.6	1.9	31	0	0	1.9	1.6	4	2.62	17.2	10.2	0	10.2	185.3	1.6	0	5	0.76	2	2.38	37.8
0.8	1.6	44	0	0	1.6	2.8	4	2.81	17.5	13.7	0	13.7	115.7	2.8	0	4	0.84	2	2.58	31.7
1	2.2	31	0	0	2.2	1.4	5	2.53	17.2	17.2	0	17.2	127.3	1.4	0	5	0.73	2	2.29	43.7
1.2	2.3	44	0	0	2.3	1.9	4	2.59	17.7	20.7	0	20.7	110.2	1.9	0	5	0.76	2	2.36	45.6
1.4	2.5	44	0	0	2.5	1.8	4	2.54	17.7	24.2	0	24.2	102.2	1.8	0	5	0.74	2	2.3	49.5
1.6	1.8	49	0	0	1.8	2.7	4	2.77	17.7	27.8	0	27.8	63.8	2.8	0	4	0.83	2	2.54	35.4
1.8	1	13	0	0	1	1.3	4	2.81	15.9	30.9	0	30.9	31.3	1.3	0	4	0.84	2	2.57	19.4
2	1.8	40	0	0	1.8	2.2	4	2.72	17.5	34.4	0	34.4	51.3	2.3	0	4	0.81	2	2.49	35.3
2.2	1.5	22	0	0	1.5	1.5	4	2.69	16.7	37.8	0	37.8	38.7	1.5	0	5	0.8	2	2.44	29.2
2.4	5	98	0	0	5	2	5	2.33	18.9	41.6	0	41.6	119.3	2	0	5	0.69	1.83	2.14	90.6
2.6	4.6	116	0	0	4.6	2.5	5	2.43	19	45.4	0	45.4	100.4	2.5	0	5	0.73	1.78	2.25	81.2
2.8	3.8	80	0	0	3.8	2.1	5	2.44	18.5	49.1	0	49.1	76.4	2.1	0	5	0.74	1.7	2.28	63.6
3	3.1	76	0	0	3.1	2.5	4	2.56	18.4	52.8	0	52.8	57.8	2.5	0	5	0.79	1.66	2.4	50.5
3.2	1.2	27	0	0	1.2	2.3	4	2.87	16.8	56.1	0	56.1	20.4	2.4	0	4	0.91	1.69	2.7	19.3
3.4	1.5	36	0	0	1.5	2.4	4	2.8	17.3	59.6	0	59.6	24.2	2.5	0	4	0.89	1.59	2.66	22.9
3.6	1.6	36	0	0	1.6	2.3	4	2.76	17.3	63	0	63	24.4	2.3	0	4	0.89	1.51	2.64	23.1
3.8	1.6	44	0	0	1.6	2.8	4	2.81	17.5	66.5	0	66.5	23	2.9	0	4	0.91	1.45	2.71	22.3
4	1.9	84	0	0	1.9	4.4	3	2.88	18.3	70.2	0	70.2	26.1	4.6	0	3	0.95	1.4	2.79	25.6
4.2	5.7	102	0	0	5.7	1.8	5	2.26	19	74	0	74	76	1.8	0	5	0.72	1.24	2.2	70
4.4	8.9	218	0	0	8.9	2.4	5	2.22	20	78	0	78	113.1	2.5	0	5	0.71	1.19	2.17	105.4
4.6	7.7	213	0	0	7.7	2.8	5	2.3	19.9	82	0	82	92.9	2.8	0	5	0.75	1.16	2.26	88.4
4.8	7.7	191	0	0	7.7	2.5	5	2.27	19.8	86	0	86	88.6	2.5	0	5	0.74	1.12	2.23	85.2
5	6.2	160	0	0	6.2	2.6	5	2.34	19.5	89.9	0	89.9	68	2.6	0	5	0.78	1.09	2.32	66.4
5.2	7.7	151	0	0	7.7	2	5	2.19	19.5	93.8	0	93.8	81.1	2	0	5	0.73	1.05	2.18	79.7
5.4	6.9	262	0	0	6.9	3.8	4	2.43	20.1	97.8	0	97.8	69.6	3.9	0	4	0.83	1.02	2.43	69.3
5.6	13.9	93	0	0	13.9	0.7	6	1.69	19.2	101.6	0	101.6	135.8	0.7	0	6	0.55	0.99	1.7	136.8
5.8	23	253	0	0	23	1.1	6	1.68	20.6	105.7	0	105.7	216.5	1.1	0	6	0.55	0.97	1.69	222
6	12.4	249	0	0	12.4	2	5	2.06	20.3	109.8	0	109.8	111.9	2	0	5	0.7	0.94	2.08	115.1
6.2	14.7	240	0	0	14.7	1.6	6	1.94	20.3	113.9	0	113.9	128.1	1.6	0	6	0.66	0.92	1.97	133.9
6.4	11.6	209	0	0	11.6	1.8	5	2.04	20.1	117.9	0	117.9	97.4	1.8	0	5	0.7	0.89	2.08	102.3
6.6	13.5	178	0	0	13.5	1.3	6	1.9	19.9	121.9	0	121.9	109.8	1.3	0	6	0.65	0.88	1.94	117.6
6.8	16.1	262	0	0	16.1	1.6	6	1.91	20.5	126	0	126	126.8	1.6	0	6	0.66	0.86	1.96	137.2

	In situ data										Estimations									
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	2.6	22	5	3.80E-06	7	33.2	38	36	27	33	0	0	0	0.3	0	139	-0.1	0	0	20
0.6	1.9	31	5	5.40E-07	7	26.5	33	35	27	34	0	0	0	0.3	0	140	-0.1	0	0	20
0.8	1.6	44	4	1.30E-07	6	22.2	0	0	30	37	14	113.3	2.3	0.3	10.5	145	0	1.5	2.5	20
1	2.2	31	5	1.00E-06	7	30.6	35	36	28	36	0	0	0	0.3	0	142	-0.1	0	0	20
1.2	2.3	44	5	6.20E-07	8	31.9	36	36	32	40	0	0	0	0.3	0	150	-0.1	0	0	20
1.4	2.5	44	5	8.80E-07	8	34.7	38	36	33	41	0	0	0	0.3	0	151	-0.1	0	0	20
1.6	1.8	49	4	1.70E-07	7	24.8	0	0	32	40	14	126.6	2.5	0.3	11.7	148	0	1.5	2.5	20
1.8	1	13	4	1.40E-07	4	13.6	0	0	18	22	14	69.2	1.4	0.3	6.4	118	0	1.2	5.2	20
2	1.8	40	4	2.50E-07	7	24.7	0	0	29	37	14	126.1	2.5	0.3	11.7	144	0	1.5	3.1	20
2.2	1.5	22	5	3.40E-07	5	20.5	29	34	23	29	0	0	0	0.3	0	131	-0.1	0	0	20
2.4	5	98	5	2.80E-06	15	67.2	51	39	54	67	0	0	0	0.3	0	187	-0.1	0	0	20
2.6	4.6	116	5	1.30E-06	15	63.8	48	39	57	71	0	0	0	0.3	0	191	-0.2	0	0	20
2.8	3.8	80	5	1.10E-06	12	52.5	43	37	48	60	0	0	0	0.3	0	178	-0.1	0	0	20
3	3.1	76	5	4.70E-07	11	42.7	38	36	45	57	0	0	0	0.3	0	174	-0.1	0	0	20
3.2	1.2	27	4	5.40E-08	5	16	0	0	0	32	14	81.7	1.4	0.3	6.4	136	0	1.2	3	20
3.4	1.5	36	4	7.40E-08	6	20.2	0	0	0	38	14	102.9	1.6	0.3	7.6	146	0	1.3	2.8	20
3.6	1.6	36	4	8.60E-08	7	21.5	0	0	0	39	14	109.8	1.7	0.3	7.6	149	0	1.3	3	20
3.8	1.6	44	4	5.30E-08	7	21.5	0	0	0	42	14	109.5	1.6	0.3	7.3	154	0	1.3	2.4	20
4	1.9	84	3	2.90E-08	9	25.6	0	0	0	56	14	130.7	1.8	0.3	8.4	174	0	1.4	1.5	20
4.2	5.7	102	5	1.90E-06	17	81.8	45	38	65	82	0	0	0	0.3	0	206	-0.1	0	0	20
4.4	8.9	218	5	2.30E-06	27	123.5	55	40	99	123	0	0	0	0.3	0	246	-0.2	0	0	20
4.6	7.7	213	5	1.20E-06	25	106.7	50	39	95	120	0	0	0	0.3	0	243	-0.2	0	0	20
4.8	7.7	191	5	1.40E-06	24	106.6	49	39	93	116	0	0	0	0.3	0	240	-0.2	0	0	20
5	6.2	160	5	7.70E-07	21	85.5	44	38	83	104	0	0	0	0.3	0	229	-0.1	0	0	20
5.2	7.7	151	5	2.10E-06	23	108.6	48	39	87	109	0	0	0	0.3	0	233	-0.1	0	0	20
5.4	6.9	262	4	3.60E-07	25	95.2	0	0	106	133	14	485.9	4.9	0.3	22.9	255	0	1.9	1.8	20
5.6	13.9	93	6	6.20E-05	31	106.5	63	41	85	106	0	0	0	0.3	0	233	-0.1	0	0	20
5.8	23	253	6	6.50E-05	51	175.3	80	43	140	175	0	0	0	0.3	0	289	-0.2	0	0	20
6	12.4	249	5	4.30E-06	35	153.5	57	40	123	154	0	0	0	0.3	0	272	-0.2	0	0	20
6.2	14.7	240	6	9.40E-06	39	158.4	62	41	126	158	0	0	0	0.3	0	276	-0.2	0	0	20
6.4	11.6	209	5	4.30E-06	33	143.8	54	40	115	144	0	0	0	0.3	0	265	-0.2	0	0	20
6.6	13.5	178	6	1.10E-05	35	140.5	58	40	112	141	0	0	0	0.3	0	263	-0.2	0	0	20
6.8	16.1	262	6	1.00E-05	42	171.6	63	41	137	172	0	0	0	0.3	0	287	-0.2	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	0.8	36	0	0	0.8	4.5	3	3.18	17	6.8	0	6.8	116.5	4.5	0	3	0.98	2	2.95	15.9
0.6	1.4	49	0	0	1.4	3.5	3	2.92	17.6	10.3	0	10.3	134.5	3.5	0	4	0.88	2	2.69	27.8
0.8	2.7	89	0	0	2.7	3.3	4	2.68	18.5	14	0	14	191.4	3.3	0	4	0.79	2	2.46	53.7
1	3	84	0	0	3	2.8	4	2.6	18.5	17.7	0	17.7	168.1	2.8	0	5	0.77	2	2.38	59.6
1.2	3	76	0	0	3	2.5	4	2.58	18.4	21.4	0	21.4	139.1	2.6	0	5	0.76	2	2.35	59.6
1.4	3.9	116	2	0	3.9	3	4	2.53	19	25.2	2	23.2	166.7	3	0	5	0.74	2	2.32	77.5
1.6	2.4	80	3.9	0	2.4	3.3	4	2.73	18.4	28.9	3.9	25	95	3.4	0	4	0.82	2	2.5	47.4
1.8	2	62	5.9	0	2	3.1	4	2.77	18	32.5	5.9	26.6	74	3.1	0	4	0.83	2	2.54	39.4
2	2.5	40	7.8	0	2.5	1.6	5	2.52	17.6	36	7.8	28.2	87.6	1.6	0	5	0.73	2	2.28	49.3
2.2	1.3	40	9.8	0	1.3	3.1	3	2.91	17.3	39.5	9.8	29.7	42.6	3.2	0	4	0.89	2	2.69	25.2
2.4	0.7	18	11.8	0	0.7	2.6	3	3.09	16.2	42.7	11.8	30.9	21.3	2.7	0	3	0.96	2	2.87	13.2
2.6	1.7	53	13.7	0	1.7	3.1	4	2.82	17.8	46.3	13.7	32.5	50.9	3.2	0	4	0.86	2	2.6	33.1
2.8	2.8	13	15.7	0	2.8	0.5	5	2.21	16.3	49.5	15.7	33.8	81.4	0.5	0	6	0.61	1.94	1.96	53.5
3	2.8	18	17.7	0	2.8	0.6	5	2.27	16.7	52.9	17.7	35.2	78.1	0.7	0	6	0.64	1.95	2.03	53.7
3.2	3.6	262	19.6	0	3.6	7.3	3	2.83	19.9	56.8	19.6	37.2	95.3	7.4	0	9	0.88	2	2.64	70.9
3.4	12.3	107	21.6	0	12.3	0.9	6	1.81	19.3	60.7	21.6	39.1	313	0.9	0	6	0.5	1.6	1.65	195.7
3.6	21	196	23.5	0	21	0.9	6	1.66	20.2	64.7	23.5	41.2	508.2	0.9	0	6	0.46	1.5	1.54	313.9
3.8	14.2	249	25.5	0	14.2	1.8	6	1.97	20.4	68.8	25.5	43.3	326.4	1.8	0	6	0.57	1.61	1.84	228.2
4	7.2	107	27.5	0	7.2	1.5	5	2.13	19.1	72.6	27.5	45.2	157.9	1.5	0	6	0.63	1.64	1.98	117.3
4.2	11.6	133	29.4	0	11.6	1.1	6	1.9	19.6	76.6	29.4	47.1	244.7	1.2	0	6	0.55	1.51	1.78	174.4
4.4	7.5	164	31.4	0	7.5	2.2	5	2.23	19.6	80.5	31.4	49.1	151.3	2.2	0	5	0.67	1.61	2.09	119.8
4.6	6.1	102	33.4	0	6.1	1.7	5	2.22	19	84.3	33.4	50.9	118.3	1.7	0	5	0.67	1.57	2.08	94.5
4.8	5.3	84	35.3	0	5.3	1.6	5	2.25	18.7	88	35.3	52.7	99	1.6	0	5	0.68	1.55	2.12	80.8
5	5.2	98	37.3	0	5.2	1.9	5	2.31	18.9	91.8	37.3	54.5	93.8	1.9	0	5	0.71	1.53	2.18	78.5
5.2	4.8	102	39.2	0	4.8	2.1	5	2.37	18.9	95.6	39.2	56.3	83.6	2.2	0	5	0.73	1.52	2.24	71.7
5.4	8.1	129	41.2	0	8.1	1.6	5	2.12	19.4	99.5	41.2	58.3	137.5	1.6	0	6	0.64	1.42	2.01	113.5
5.6	4.9	111	43.2	0	4.9	2.3	5	2.38	19	103.3	43.2	60.1	80	2.3	0	5	0.74	1.46	2.27	70.2
5.8	4.8	124	45.1	0	4.8	2.6	5	2.42	19.1	107.1	45.1	62	75.9	2.6	0	5	0.76	1.44	2.32	67.8
6	6.3	129	47.1	0	6.3	2	5	2.27	19.3	110.9	47.1	63.9	97.1	2.1	0	5	0.71	1.38	2.18	85.3
6.2	12.5	191	49.1	0	12.5	1.5	6	1.97	20	114.9	49	65.9	188.1	1.5	0	6	0.6	1.29	1.89	159.5
6.4	12.5	196	51	0	12.5	1.6	6	1.98	20	119	51	67.9	182.4	1.6	0	6	0.61	1.27	1.91	156.9
6.6	12.8	231	53	0	12.8	1.8	5	2.01	20.2	123	53	70	181.2	1.8	0	6	0.63	1.25	1.95	158.7
6.8	13.4	230	54.9	0	13.4	1.7	6	1.98	20.2	127	54.9	72.1	184.2	1.7	0	6	0.62	1.22	1.93	162.7

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	0.8	36	3	1.00E-08	4	11.1	0	0	0	30	14	56.7	1.1	0.3	5.2	131	0	1.2	1.5	20
0.6	1.4	49	4	6.00E-08	6	19.5	0	0	0	38	14	99.3	2	0.3	9.2	145	0	1.4	2	20
0.8	2.7	89	4	3.00E-07	10	37.6	0	0	44	55	14	191.9	3.8	0.3	17.7	170	0	1.8	2.1	20
1	3	84	5	5.20E-07	10	41.8	41	37	44	55	0	0	0	0.3	0	170	-0.1	0	0	20
1.2	3	76	5	6.50E-07	10	41.7	41	37	42	53	0	0	0	0.3	0	167	-0.1	0	0	20
1.4	3.9	116	5	8.00E-07	13	54.3	47	38	52	66	0	0	0	0.3	0	184	-0.2	0	0	20
1.6	2.4	80	4	2.20E-07	9	33.2	0	0	41	51	14	169.4	3.4	0.3	15.7	165	0	1.7	2.1	20
1.8	2	62	4	1.70E-07	8	27.6	0	0	35	44	14	140.6	2.8	0.3	13	155	0	1.6	2.2	20
2	2.5	40	5	1.00E-06	8	34.5	38	36	32	40	0	0	0	0.3	0	149	-0.1	0	0	20
2.2	1.3	40	4	5.90E-08	5	17.7	0	0	0	34	14	90.2	1.8	0.3	8.3	139	0	1.4	2.2	20
2.4	0.7	18	3	1.60E-08	3	8.7	0	0	0	23	14	47.1	0.9	0.3	4.4	117	0	1.1	2.6	20
2.6	1.7	53	4	1.10E-07	7	23.2	0	0	0	40	14	118.3	2.4	0.3	10.9	149	0	1.5	2.2	20
2.8	2.8	13	6	1.00E-05	7	29.6	39	37	24	30	0	0	0	0.3	0	133	0	0	0	20
3	2.8	18	6	6.20E-06	8	32.2	39	37	26	32	0	0	0	0.3	0	137	-0.1	0	0	20
3.2	3.6	262	9	8.30E-08	15	49.7	0	0	0	91	14	253.4	5.1	0.3	23.4	211	0	1.9	0.9	20
3.4	12.3	107	6	8.40E-05	27	89.6	75	43	71	90	0	0	0	0.3	0	213	-0.2	0	0	20
3.6	21	196	6	1.90E-04	42	132.2	95	45	105	132	0	0	0	0.3	0	253	-0.3	0	0	20
3.8	14.2	249	6	2.30E-05	35	130.7	81	44	104	131	0	0	0	0.3	0	251	-0.2	0	0	20
4	7.2	107	6	8.70E-06	19	78.6	58	40	63	79	0	0	0	0.3	0	201	-0.2	0	0	20
4.2	11.6	133	6	3.60E-05	27	98.3	71	42	78	98	0	0	0	0.3	0	222	-0.2	0	0	20
4.4	7.5	164	5	3.90E-06	22	94.7	59	40	76	95	0	0	0	0.3	0	218	-0.2	0	0	20
4.6	6.1	102	5	4.20E-06	17	75.6	52	39	60	76	0	0	0	0.3	0	198	-0.1	0	0	20
4.8	5.3	84	5	3.30E-06	15	68.5	48	39	55	68	0	0	0	0.3	0	189	-0.1	0	0	20
5	5.2	98	5	2.20E-06	16	72.5	47	38	58	72	0	0	0	0.3	0	194	-0.1	0	0	20
5.2	4.8	102	5	1.40E-06	15	66	45	38	58	72	0	0	0	0.3	0	194	-0.1	0	0	20
5.4	8.1	129	6	7.00E-06	22	91.9	57	40	73	92	0	0	0	0.3	0	216	-0.2	0	0	20
5.6	4.9	111	5	1.10E-06	16	67.3	45	38	61	76	0	0	0	0.3	0	199	-0.1	0	0	20
5.8	4.8	124	5	8.00E-07	16	65.8	44	38	64	80	0	0	0	0.3	0	202	-0.1	0	0	20
6	6.3	129	5	2.20E-06	19	87.8	49	39	70	88	0	0	0	0.3	0	211	-0.1	0	0	20
6.2	12.5	191	6	1.60E-05	32	122.8	68	42	98	123	0	0	0	0.3	0	245	-0.2	0	0	20
6.4	12.5	196	6	1.40E-05	32	124.8	67	42	100	125	0	0	0	0.3	0	247	-0.2	0	0	20
6.6	12.8	231	6	1.10E-05	33	134.9	67	42	108	135	0	0	0	0.3	0	256	-0.2	0	0	20
6.8	13.4	230	6	1.30E-05	34	137.1	68	42	109	137	0	0	0	0.3	0	258	-0.2	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	2.8	62	0	0	2.8	2.2	4	2.56	18.1	7.3	0	7.3	385.1	2.2	0	5	0.74	2	2.33	55.9
0.6	1.6	102	0	0	1.6	6.4	3	3.04	18.5	10.9	0	10.9	145.1	6.4	0	3	0.93	2	2.83	31.8
0.8	2.5	53	0	0	2.5	2.1	4	2.59	17.9	14.5	0	14.5	171	2.1	0	5	0.75	2	2.35	49.7
1	2.8	53	0	0	2.8	1.9	4	2.52	17.9	18.1	0	18.1	153.5	1.9	0	5	0.73	2	2.29	55.6
1.2	2.5	44	0	0	2.5	1.8	4	2.54	17.7	21.7	0	21.7	114.4	1.8	0	5	0.74	2	2.3	49.6
1.4	2.9	67	0	0	2.9	2.3	4	2.56	18.2	25.3	0	25.3	113.6	2.3	0	5	0.75	2	2.33	57.5
1.6	2.2	98	0	0	2.2	4.5	3	2.84	18.6	29	0	29	74.8	4.5	0	4	0.86	2	2.62	43.4
1.8	0.8	18	0	0	0.8	2.3	3	3.01	16.2	32.3	0	32.3	23.8	2.3	0	4	0.93	2	2.78	15.4
2	2.6	31	0	0	2.6	1.2	5	2.43	17.3	35.7	0	35.7	71.8	1.2	0	5	0.7	2	2.19	51.3
2.2	3.1	58	0	0	3.1	1.9	5	2.48	18.1	39.3	0	39.3	77.8	1.9	0	5	0.73	1.98	2.26	60.5
2.4	3.7	36	0	0	3.7	1	5	2.26	17.6	42.9	0	42.9	85.3	1	0	5	0.66	1.74	2.06	63.8
2.6	3.3	31	0	0	3.3	0.9	5	2.29	17.4	46.3	0	46.3	70.2	1	0	5	0.68	1.68	2.11	54.7
2.8	2.7	44	0	0	2.7	1.6	5	2.5	17.7	49.9	0	49.9	53.1	1.7	0	5	0.76	1.69	2.32	44.9
3	7	93	0	0	7	1.3	5	2.11	18.9	53.7	0	53.7	129.4	1.3	0	6	0.63	1.48	1.98	103
3.2	3.9	67	0	0	3.9	1.7	5	2.38	18.3	57.3	0	57.3	67	1.7	0	5	0.73	1.5	2.25	57.8
3.4	5.1	36	0	0	5.1	0.7	6	2.07	17.7	60.9	0	60.9	82.8	0.7	0	6	0.62	1.36	1.95	68.7
3.6	1.8	27	0	0	1.8	1.5	4	2.62	17	64.3	0	64.3	27	1.6	0	5	0.84	1.45	2.51	25.1
3.8	2.2	18	0	0	2.2	0.8	5	2.42	16.6	67.6	0	67.6	31.5	0.8	0	5	0.77	1.35	2.31	28.8
4	1.4	13	0	0	1.4	0.9	4	2.61	16.1	70.8	0	70.8	18.8	1	0	5	0.85	1.34	2.53	17.8
4.2	1.6	18	0	0	1.6	1.1	4	2.6	16.5	74.1	0	74.1	20.6	1.2	0	5	0.85	1.29	2.53	19.7
4.4	0.9	27	0	0	0.9	3	3	3.04	16.7	77.5	0	77.5	10.6	3.3	0	3	1	1.29	3	10.6
4.6	0.9	182	0	0	0.9	20.2	2	3.57	18.9	81.3	0	81.3	10.1	22.2	0	3	1	1.23	3.56	10.1
4.8	3.7	107	0	0	3.7	2.9	4	2.54	18.9	85	0	85	42.5	3	0	4	0.85	1.15	2.51	41.5
5	6.2	129	0	0	6.2	2.1	5	2.28	19.3	88.9	0	88.9	68.7	2.1	0	5	0.75	1.09	2.26	66.8
5.2	10.6	133	0	0	10.6	1.3	6	1.96	19.5	92.8	0	92.8	113.2	1.3	0	6	0.64	1.05	1.95	110.2
5.4	9	200	0	0	9	2.2	5	2.18	19.9	96.8	0	96.8	92	2.2	0	5	0.73	1.02	2.18	91.2
5.6	6.2	84	0	0	6.2	1.4	5	2.16	18.8	100.5	0	100.5	60.7	1.4	0	5	0.73	1	2.17	60.8
5.8	6	107	0	0	6	1.8	5	2.25	19.1	104.3	0	104.3	56.5	1.8	0	5	0.76	0.97	2.26	57.1
6	5	89	0	0	5	1.8	5	2.31	18.8	108.1	0	108.1	45.3	1.8	0	5	0.79	0.94	2.34	46
6.2	4.6	124	0	0	4.6	2.7	5	2.45	19.1	111.9	0	111.9	40.1	2.8	0	4	0.86	0.91	2.49	40.8
6.4	3.8	71	0	0	3.8	1.9	5	2.41	18.4	115.6	0	115.6	31.9	1.9	0	5	0.85	0.88	2.47	32.6
6.6	5.4	31	0	0	5.4	0.6	6	2	17.6	119.1	0	119.1	44.3	0.6	0	6	0.69	0.89	2.05	46.8
6.8	6.5	28	0	0	6.5	0.4	6	1.87	17.5	122.6	0	122.6	52	0.4	0	6	0.65	0.88	1.93	55.9

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	2.8	62	5	7.50E-07	9	39.1	40	37	38	48	0	0	0	0.3	0	161	-0.1	0	0	20
0.6	1.6	102	3	2.30E-08	7	22.2	0	0	0	51	14	113.5	2.3	0.3	10.5	165	0	1.5	1.1	20
0.8	2.5	53	5	6.20E-07	8	34.8	38	36	35	44	0	0	0	0.3	0	155	-0.1	0	0	20
1	2.8	53	5	1.00E-06	9	38.9	40	37	36	45	0	0	0	0.3	0	157	-0.1	0	0	20
1.2	2.5	44	5	8.90E-07	8	34.7	38	36	33	41	0	0	0	0.3	0	151	-0.1	0	0	20
1.4	2.9	67	5	7.20E-07	10	40.2	41	37	40	50	0	0	0	0.3	0	163	-0.1	0	0	20
1.6	2.2	98	4	9.60E-08	9	30.4	0	0	0	54	14	155.1	3.1	0.3	14.3	169	0	1.6	1.6	20
1.8	0.8	18	4	3.10E-08	4	10.7	0	0	0	23	14	54.8	1.1	0.3	5.1	119	0	1.1	3	20
2	2.6	31	5	2.00E-06	8	36.9	38	36	29	37	0	0	0	0.3	0	145	-0.1	0	0	20
2.2	3.1	58	5	1.20E-06	10	42.8	42	37	38	48	0	0	0	0.3	0	161	-0.1	0	0	20
2.4	3.7	36	5	4.90E-06	10	44.7	43	37	36	45	0	0	0	0.3	0	158	-0.1	0	0	20
2.6	3.3	31	5	3.50E-06	10	42.2	40	37	34	42	0	0	0	0.3	0	154	-0.1	0	0	20
2.8	2.7	44	5	8.00E-07	9	37.1	36	36	36	45	0	0	0	0.3	0	158	-0.1	0	0	20
3	7	93	6	8.30E-06	19	77.1	54	40	62	77	0	0	0	0.3	0	200	-0.1	0	0	20
3.2	3.9	67	5	1.30E-06	12	53.8	41	37	48	60	0	0	0	0.3	0	178	-0.1	0	0	20
3.4	5.1	36	6	1.00E-05	13	53.9	44	38	43	54	0	0	0	0.3	0	173	-0.1	0	0	20
3.6	1.8	27	5	2.20E-07	7	24.3	27	33	30	37	0	0	0	0.3	0	147	0	0	0	20
3.8	2.2	18	5	8.20E-07	7	29.9	29	34	29	36	0	0	0	0.3	0	146	0	0	0	20
4	1.4	13	5	1.90E-07	5	18.6	23	31	23	29	0	0	0	0.3	0	134	0	0	0	20
4.2	1.6	18	5	1.80E-07	6	21.4	24	32	27	34	0	0	0	0.3	0	142	0	0	0	20
4.4	0.9	27	3	6.90E-09	5	8.7	0	0	0	33	14	58.8	0.8	0.3	3.5	139	0	1	2.1	20
4.6	0.9	182	3	4.00E-10	7	8.2	0	0	0	67	14	58.5	0.7	0.3	3.3	186	0	1	0.3	20
4.8	3.7	107	4	2.10E-07	14	50.6	0	0	62	78	14	258.2	3	0.3	13.7	201	0	1.6	2.4	20
5	6.2	129	5	1.20E-06	20	85.6	44	38	76	96	0	0	0	0.3	0	221	-0.1	0	0	20
5.2	10.6	133	6	1.10E-05	28	111.2	56	40	89	111	0	0	0	0.3	0	236	-0.1	0	0	20
5.4	9	200	5	2.10E-06	27	126.6	51	39	101	127	0	0	0	0.3	0	250	-0.2	0	0	20
5.6	6.2	84	5	2.30E-06	19	85.2	42	37	68	85	0	0	0	0.3	0	211	-0.1	0	0	20
5.8	6	107	5	1.20E-06	19	82.5	40	37	74	93	0	0	0	0.3	0	219	-0.1	0	0	20
6	5	89	5	7.10E-07	17	68.5	36	36	68	85	0	0	0	0.3	0	211	-0.1	0	0	20
6.2	4.6	124	4	2.40E-07	17	62.8	0	0	76	95	14	320.6	2.9	0.3	13.4	221	0	1.6	2.5	20
6.4	3.8	71	5	2.80E-07	14	51.6	31	34	60	76	0	0	0	0.3	0	201	-0.1	0	0	20
6.6	5.4	31	6	5.10E-06	15	64	37	36	51	64	0	0	0	0.3	0	189	0	0	0	20
6.8	6.5	28	6	1.30E-05	17	65.8	40	37	53	66	0	0	0	0.3	0	192	0	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.6	1.6	58	0	0	1.6	3.6	3	2.89	17.8	10.7	0	10.7	148.5	3.6	0	4	0.87	2	2.65	31.8
0.8	1.3	49	0	0	1.3	3.8	3	2.97	17.6	14.2	0	14.2	90.4	3.8	0	4	0.9	2	2.74	25.7
1	2.5	53	0	0	2.5	2.1	4	2.59	17.9	17.8	0	17.8	139.5	2.1	0	5	0.76	2	2.36	49.6
1.2	3.1	67	0	0	3.1	2.2	4	2.52	18.3	21.4	0	21.4	143.5	2.2	0	5	0.73	2	2.29	61.6
1.4	3.6	44	0	0	3.6	1.2	5	2.32	17.8	25	0	25	142.9	1.2	0	5	0.66	2	2.08	71.5
1.6	2.8	36	0	0	2.8	1.3	5	2.43	17.5	28.5	0	28.5	97.2	1.3	0	5	0.7	2	2.18	55.4
1.8	2.5	31	2	0	2.5	1.2	5	2.46	17.3	32	2	30	82.2	1.3	0	5	0.71	2	2.21	49.4
2	2.3	36	3.9	0	2.3	1.6	4	2.54	17.4	35.5	3.9	31.5	71.8	1.6	0	5	0.74	2	2.3	45.3
2.2	2.6	31	5.9	0	2.6	1.2	5	2.43	17.3	38.9	5.9	33	77.6	1.2	0	5	0.7	2	2.19	51.2
2.4	2.4	27	7.8	0	2.4	1.1	5	2.45	17.1	42.3	7.8	34.5	68.4	1.1	0	5	0.71	2	2.2	47.2
2.6	2.2	27	9.8	0	2.2	1.2	5	2.5	17.1	45.8	9.8	36	60	1.3	0	5	0.73	2	2.26	43.1
2.8	2.1	22	11.8	0	2.1	1	5	2.48	16.8	49.1	11.8	37.4	55	1.1	0	5	0.72	2	2.24	41.1
3	1.9	31	13.7	0	1.9	1.6	4	2.62	17.2	52.6	13.7	38.8	47.6	1.7	0	5	0.78	2	2.39	37
3.2	2.1	27	15.7	0	2.1	1.3	5	2.53	17.1	56	15.7	40.3	50.8	1.3	0	5	0.75	1.97	2.3	40.3
3.4	2.2	9	17.7	0	2.2	0.4	5	2.29	15.8	59.1	17.7	41.5	51.7	0.4	0	6	0.66	1.78	2.07	38.3
3.6	1.7	53	19.6	0	1.7	3.1	4	2.82	17.8	62.7	19.6	43.1	38.1	3.2	0	4	0.87	2	2.61	32.8
3.8	1	22	21.6	0	1	2.2	3	2.92	16.5	66	21.6	44.4	21.1	2.3	0	4	0.91	2	2.71	18.8
4	3.9	53	23.5	0	3.9	1.4	5	2.32	18.1	69.6	23.5	46.1	83.2	1.4	0	5	0.69	1.71	2.14	65.4
4.2	4.1	53	25.5	0	4.1	1.3	5	2.29	18.1	73.2	25.5	47.7	84.5	1.3	0	5	0.68	1.66	2.12	66.8
4.4	4.6	80	27.5	0	4.6	1.7	5	2.33	18.6	77	27.5	49.5	91.5	1.8	0	5	0.7	1.64	2.17	74.2
4.6	3.5	93	29.4	0	3.5	2.7	4	2.54	18.7	80.7	29.4	51.3	66.8	2.7	0	5	0.78	1.69	2.38	57.7
4.8	3.8	58	31.4	0	3.8	1.5	5	2.36	18.2	84.3	31.4	52.9	70.3	1.6	0	5	0.72	1.58	2.21	58.8
5	2	53	33.4	0	2	2.6	4	2.72	17.8	87.9	33.4	54.5	35.2	2.8	0	4	0.86	1.68	2.57	32.3
5.2	6.6	133	35.3	0	6.6	2	5	2.25	19.3	91.8	35.3	56.4	115.4	2	0	5	0.69	1.48	2.13	96.7
5.4	6.8	142	37.3	0	6.8	2.1	5	2.25	19.4	95.6	37.3	58.4	115	2.1	0	5	0.69	1.45	2.14	97.6
5.6	6.1	93	39.2	0	6.1	1.5	5	2.2	18.9	99.4	39.2	60.2	99.8	1.5	0	5	0.68	1.41	2.09	84.7
5.8	4.9	111	41.2	0	4.9	2.3	5	2.38	19	103.2	41.2	62	77.5	2.3	0	5	0.75	1.43	2.27	68.7
6	5.9	98	43.2	0	5.9	1.7	5	2.23	18.9	107	43.2	63.9	90.9	1.7	0	5	0.7	1.37	2.14	79.3
6.2	3.3	98	45.1	0	3.3	3	4	2.59	18.7	110.8	45.1	65.6	48.7	3.1	0	4	0.83	1.42	2.49	45.4
6.4	1.3	27	47.1	0	1.3	2.1	4	2.81	16.9	114.1	47.1	67	17.8	2.3	0	4	0.92	1.45	2.73	17.3
6.6	1.7	44	49	0	1.7	2.6	4	2.77	17.5	117.6	49	68.6	23.2	2.8	0	4	0.91	1.41	2.69	22.4
6.8	0.9	62	51	0	0.9	6.8	3	3.25	17.7	121.2	51	70.2	11.2	7.9	0	3	1	1.43	3.21	11.2
7	1.5	53	53	0	1.5	3.5	3	2.9	17.7	124.7	53	71.8	19.3	3.8	0	3	0.97	1.38	2.84	19.1

	In situ data											Estimations								
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.6	1.6	58	4	7.60E-08	7	22.3	0	0	0	41	14	113.5	2.3	0.3	10.5	151	0	1.5	1.9	20
0.8	1.3	49	4	4.30E-08	6	18	0	0	0	37	14	91.8	1.8	0.3	8.5	144	0	1.4	1.8	20
1	2.5	53	5	6.20E-07	8	34.8	38	36	35	44	0	0	0	0.3	0	155	-0.1	0	0	20
1.2	3.1	67	5	9.70E-07	10	43.1	42	37	40	50	0	0	0	0.3	0	165	-0.1	0	0	20
1.4	3.6	44	5	4.20E-06	10	44.8	45	38	36	45	0	0	0	0.3	0	157	-0.1	0	0	20
1.6	2.8	36	5	2.10E-06	8	39.5	40	37	32	40	0	0	0	0.3	0	149	-0.1	0	0	20
1.8	2.5	31	5	1.70E-06	8	34.6	38	36	29	37	0	0	0	0.3	0	144	-0.1	0	0	20
2	2.3	36	5	8.80E-07	8	31.7	36	36	30	38	0	0	0	0.3	0	146	-0.1	0	0	20
2.2	2.6	31	5	2.00E-06	8	36.9	38	36	29	37	0	0	0	0.3	0	145	-0.1	0	0	20
2.4	2.4	27	5	1.80E-06	7	33	37	36	28	35	0	0	0	0.3	0	141	-0.1	0	0	20
2.6	2.2	27	5	1.20E-06	7	30.2	35	36	27	34	0	0	0	0.3	0	140	-0.1	0	0	20
2.8	2.1	22	5	1.40E-06	7	28.7	34	35	25	31	0	0	0	0.3	0	135	-0.1	0	0	20
3	1.9	31	5	4.90E-07	7	25.9	33	35	27	34	0	0	0	0.3	0	140	-0.1	0	0	20
3.2	2.1	27	5	9.40E-07	7	28.7	34	35	27	34	0	0	0	0.3	0	139	-0.1	0	0	20
3.4	2.2	9	6	4.70E-06	6	26.4	33	35	21	26	0	0	0	0.3	0	128	0	0	0	20
3.6	1.7	53	4	1.10E-07	7	23	0	0	0	40	14	117.2	2.3	0.3	10.8	149	0	1.5	2.2	20
3.8	1	22	4	5.10E-08	4	13.1	0	0	0	26	14	67	1.3	0.3	6.2	125	0	1.2	3	20
4	3.9	53	5	2.80E-06	12	52	43	38	41	52	0	0	0	0.3	0	168	-0.1	0	0	20
4.2	4.1	53	5	3.20E-06	12	53.3	44	38	42	53	0	0	0	0.3	0	170	-0.1	0	0	20
4.4	4.6	80	5	2.30E-06	14	63.7	46	38	51	64	0	0	0	0.3	0	183	-0.1	0	0	20
4.6	3.5	93	5	5.30E-07	12	48	41	37	50	63	0	0	0	0.3	0	181	-0.1	0	0	20
4.8	3.8	58	5	1.70E-06	12	52.1	41	37	44	55	0	0	0	0.3	0	172	-0.1	0	0	20
5	2	53	4	1.40E-07	8	26.9	0	0	36	45	14	137.1	2.3	0.3	10.6	157	0	1.5	2.5	20
5.2	6.6	133	5	3.00E-06	19	87.2	53	39	70	87	0	0	0	0.3	0	210	-0.2	0	0	20
5.4	6.8	142	5	2.80E-06	20	90.8	53	39	72	91	0	0	0	0.3	0	214	-0.2	0	0	20
5.6	6.1	93	5	4.00E-06	17	76.2	49	39	61	76	0	0	0	0.3	0	199	-0.1	0	0	20
5.8	4.9	111	5	1.10E-06	16	67.3	44	38	62	77	0	0	0	0.3	0	199	-0.1	0	0	20
6	5.9	98	5	2.90E-06	17	78.1	48	38	62	78	0	0	0	0.3	0	201	-0.1	0	0	20
6.2	3.3	98	4	2.40E-07	12	44.8	0	0	54	67	14	228.4	3.2	0.3	15	188	0	1.7	2.3	20
6.4	1.3	27	4	4.50E-08	6	16.7	0	0	0	34	14	85.4	1.2	0.3	5.7	141	0	1.2	3.1	20
6.6	1.7	44	4	5.80E-08	7	22.3	0	0	0	43	14	113.7	1.6	0.3	7.4	156	0	1.3	2.5	20
6.8	0.9	62	3	1.50E-09	5	8.9	0	0	0	42	14	56.4	0.8	0.3	3.7	152	0	1	0.9	20
7	1.5	53	3	2.20E-08	7	19.4	0	0	0	45	14	99	1.4	0.3	6.3	158	0	1.2	1.8	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	1.5	27	0	0	1.5	1.8	4	2.73	16.9	6.8	0	6.8	220.4	1.8	0	5	0.8	2	2.48	29.9
0.6	2.3	27	0	0	2.3	1.2	5	2.48	17.1	10.2	0	10.2	224.6	1.2	0	5	0.7	2	2.22	45.8
0.8	2.6	36	0	0	2.6	1.4	5	2.47	17.5	13.7	0	13.7	188.9	1.4	0	5	0.7	2	2.22	51.7
1	2.6	71	0	0	2.6	2.7	4	2.64	18.3	17.3	0	17.3	148.9	2.7	0	5	0.78	2	2.42	51.7
1.2	2.4	62	0	0	2.4	2.6	4	2.66	18.1	21	0	21	113.5	2.6	0	5	0.79	2	2.43	47.6
1.4	2.8	58	0	0	2.8	2.1	4	2.54	18.1	24.6	0	24.6	113	2.1	0	5	0.74	2	2.31	55.5
1.6	3.2	71	0	0	3.2	2.2	4	2.52	18.3	28.2	0	28.2	112.3	2.2	0	5	0.74	2	2.29	63.4
1.8	2.6	80	0	0	2.6	3.1	4	2.68	18.4	31.9	0	31.9	80.5	3.1	0	4	0.8	2	2.46	51.4
2	2.5	62	0	0	2.5	2.5	4	2.63	18.1	35.5	0	35.5	69.4	2.5	0	5	0.78	2	2.41	49.3
2.2	2.1	49	0	0	2.1	2.3	4	2.68	17.7	39.1	0	39.1	52.7	2.4	0	5	0.8	2	2.45	41.2
2.4	3.9	62	0	0	3.9	1.6	5	2.36	18.3	42.7	0	42.7	90.3	1.6	0	5	0.7	1.81	2.16	69.7
2.6	3.5	102	0	0	3.5	2.9	4	2.56	18.8	46.5	0	46.5	74.3	3	0	5	0.78	1.82	2.38	62.7
2.8	3.9	133	0	0	3.9	3.4	4	2.57	19.1	50.3	0	50.3	76.5	3.5	0	4	0.79	1.72	2.41	66.4
3	3.9	133	0	0	3.9	3.4	4	2.57	19.1	54.1	0	54.1	71	3.5	0	4	0.8	1.64	2.43	62.9
3.2	3.8	124	0	0	3.8	3.3	4	2.57	19	58	0	58	64.6	3.3	0	4	0.81	1.55	2.44	58.1
3.4	6.4	129	0	0	6.4	2	5	2.26	19.3	61.8	0	61.8	102.5	2	0	5	0.7	1.4	2.16	88.9
3.6	9.9	151	0	0	9.9	1.5	5	2.04	19.6	65.7	0	65.7	149.6	1.5	0	6	0.63	1.3	1.96	128
3.8	11.9	231	0	0	11.9	1.9	5	2.06	20.2	69.8	0	69.8	169.5	2	0	6	0.64	1.26	1.99	149.1
4	8	218	0	0	8	2.7	5	2.28	20	73.8	0	73.8	107.4	2.8	0	5	0.73	1.25	2.22	99.1
4.2	7.9	151	0	0	7.9	1.9	5	2.18	19.6	77.7	0	77.7	100.7	1.9	0	5	0.7	1.19	2.13	93.3
4.4	9.2	160	0	0	9.2	1.7	5	2.1	19.7	81.6	0	81.6	111.7	1.8	0	5	0.68	1.15	2.06	104.6
4.6	5	196	0	0	5	3.9	4	2.54	19.7	85.6	0	85.6	57.4	4	0	4	0.85	1.14	2.51	56.1
4.8	2	129	0	0	2	6.5	3	2.97	18.8	89.3	0	89.3	21.4	6.8	0	3	1	1.12	2.96	21.4
5	9.8	196	0	0	9.8	2	5	2.13	19.9	93.3	0	93.3	104	2	0	5	0.7	1.05	2.11	101.9
5.2	8.3	200	0	0	8.3	2.4	5	2.23	19.9	97.3	0	97.3	84.3	2.4	0	5	0.75	1.02	2.23	83.7
5.4	7	204	0	0	7	2.9	5	2.34	19.9	101.3	0	101.3	68.1	3	0	5	0.8	0.99	2.35	68.3
5.6	4.2	156	0	0	4.2	3.7	4	2.58	19.3	105.1	0	105.1	39	3.8	0	4	0.89	0.96	2.6	39.2
5.8	5.8	151	0	0	5.8	2.6	5	2.37	19.4	109	2	107.1	53.2	2.7	0	5	0.82	0.95	2.39	53.8
6	8.1	196	0	0	8.1	2.4	5	2.24	19.9	113	3.9	109.1	73.2	2.5	0	5	0.77	0.94	2.27	74.7
6.2	7.8	200	0	0	7.8	2.6	5	2.27	19.9	117	5.9	111.1	69.2	2.6	0	5	0.78	0.92	2.3	70.8
6.4	8.2	129	0	0	8.2	1.6	5	2.11	19.4	120.8	7.8	113	71.5	1.6	0	5	0.72	0.92	2.14	74
6.6	8.2	133	0	0	8.2	1.6	5	2.12	19.4	124.7	9.8	114.9	70.3	1.6	0	5	0.73	0.9	2.16	73
6.8	7	140	0	0	7	2	5	2.23	19.4	128.6	11.8	116.8	58.8	2	0	5	0.78	0.89	2.28	60.9

	In situ data								Estimations												
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	
0.4	1.5	27	5	2.50E-07	6	20.9	29	34	25	31	0	0	0	0.3	0	134	-0.1	0	0	20	20
0.6	2.3	27	5	1.60E-06	7	32.1	36	36	27	34	0	0	0	0.3	0	140	-0.1	0	0	20	20
0.8	2.6	36	5	1.60E-06	8	36.2	38	36	31	39	0	0	0	0.3	0	148	-0.1	0	0	20	20
1	2.6	71	5	4.00E-07	9	36.2	38	36	40	50	0	0	0	0.3	0	163	-0.1	0	0	20	20
1.2	2.4	62	5	3.80E-07	9	33.3	37	36	37	46	0	0	0	0.3	0	158	-0.1	0	0	20	20
1.4	2.8	58	5	8.30E-07	9	38.9	40	37	37	47	0	0	0	0.3	0	159	-0.1	0	0	20	20
1.6	3.2	71	5	9.70E-07	10	44.4	43	37	41	52	0	0	0	0.3	0	167	-0.1	0	0	20	20
1.8	2.6	80	4	3.10E-07	9	36	0	0	41	52	14	183.4	3.7	0.3	16.9	166	0	1.7	2.2	20	20
2	2.5	62	5	4.40E-07	9	34.5	38	36	37	47	0	0	0	0.3	0	159	-0.1	0	0	20	20
2.2	2.1	49	5	3.30E-07	8	28.9	34	35	33	41	0	0	0	0.3	0	151	-0.1	0	0	20	20
2.4	3.9	62	5	2.40E-06	12	53.7	45	38	43	54	0	0	0	0.3	0	170	-0.1	0	0	20	20
2.6	3.5	102	5	5.30E-07	12	48.3	42	37	50	63	0	0	0	0.3	0	182	-0.1	0	0	20	20
2.8	3.9	133	4	4.20E-07	14	53.9	0	0	58	73	14	275	4.7	0.3	21.9	194	0	1.9	2	20	20
3	3.9	133	4	3.80E-07	14	53.8	0	0	60	75	14	274.7	4.5	0.3	20.8	196	0	1.9	2	20	20
3.2	3.8	124	4	3.50E-07	14	52.4	0	0	59	74	14	267.3	4.2	0.3	19.2	195	0	1.8	2.1	20	20
3.4	6.4	129	5	2.50E-06	19	87.5	50	39	70	88	0	0	0	0.3	0	211	-0.1	0	0	20	20
3.6	9.9	151	6	1.00E-05	26	105.7	60	41	84	106	0	0	0	0.3	0	230	-0.2	0	0	20	20
3.8	11.9	231	6	8.00E-06	32	132.4	65	42	106	132	0	0	0	0.3	0	254	-0.2	0	0	20	20
4	8	218	5	1.60E-06	25	111	53	40	95	119	0	0	0	0.3	0	241	-0.2	0	0	20	20
4.2	7.9	151	5	3.10E-06	23	103.9	52	39	83	104	0	0	0	0.3	0	228	-0.1	0	0	20	20
4.4	9.2	160	5	4.90E-06	26	111.6	55	40	89	112	0	0	0	0.3	0	236	-0.2	0	0	20	20
4.6	5	196	4	2.20E-07	19	68.8	0	0	84	106	14	351	4	0.3	18.5	229	0	1.8	1.8	20	20
4.8	2	129	3	8.80E-09	10	26.7	0	0	0	73	14	136.5	1.5	0.3	7.1	195	0	1.3	1	20	20
5	9.8	196	5	3.40E-06	28	126.8	54	40	101	127	0	0	0	0.3	0	250	-0.2	0	0	20	20
5.2	8.3	200	5	1.50E-06	26	114.8	49	39	99	124	0	0	0	0.3	0	248	-0.2	0	0	20	20
5.4	7	204	5	6.30E-07	24	96.6	44	38	97	122	0	0	0	0.3	0	246	-0.2	0	0	20	20
5.6	4.2	156	4	1.10E-07	17	57.3	0	0	0	99	14	292.5	2.8	0.3	12.9	224	0	1.6	1.8	20	20
5.8	5.8	151	5	4.80E-07	20	79.7	39	37	85	106	0	0	0	0.3	0	231	-0.1	0	0	20	20
6	8.1	196	5	1.20E-06	26	111.8	46	38	101	127	0	0	0	0.3	0	250	-0.1	0	0	20	
6.2	7.8	200	5	9.00E-07	26	107.6	45	38	102	128	0	0	0	0.3	0	251	-0.1	0	0	20	
6.4	8.2	129	5	2.70E-06	24	109.6	46	38	87	110	0	0	0	0.3	0	235	-0.1	0	0	20	
6.6	8.2	133	5	2.50E-06	24	111.4	46	38	89	111	0	0	0	0.3	0	237	-0.1	0	0	20	
6.8	7	140	5	1.10E-06	23	96.2	42	37	88	110	0	0	0	0.3	0	236	-0.1	0	0	20	

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	2.4	124	0	0	2.4	5.2	3	2.85	18.9	7.5	0	7.5	317	5.2	0	4	0.86	2	2.64	47.8
0.6	1	49	0	0	1	4.9	3	3.13	17.5	11	0	11	89.6	5	0	3	0.96	2	2.9	19.8
0.8	1.8	53	0	0	1.8	2.9	4	2.79	17.8	14.6	0	14.6	122.3	3	0	4	0.83	2	2.56	35.7
1	2.9	40	0	0	2.9	1.4	5	2.43	17.6	18.1	0	18.1	159	1.4	0	5	0.69	2	2.19	57.6
1.2	2.6	67	0	0	2.6	2.6	4	2.63	18.2	21.8	0	21.8	118.5	2.6	0	5	0.78	2	2.4	51.6
1.4	2.5	44	0	0	2.5	1.8	4	2.54	17.7	25.3	0	25.3	97.8	1.8	0	5	0.74	2	2.3	49.5
1.6	1.8	36	2	0	1.8	2	4	2.69	17.3	28.8	2	26.8	66.1	2	0	5	0.8	2	2.45	35.4
1.8	2.4	49	3.9	0	2.4	2	4	2.59	17.8	32.3	3.9	28.4	83.4	2.1	0	5	0.76	2	2.36	47.4
2	1.5	36	5.9	0	1.5	2.4	4	2.8	17.3	35.8	5.9	29.9	49	2.5	0	4	0.84	2	2.57	29.3
2.2	1	22	7.8	0	1	2.2	3	2.93	16.5	39.1	7.8	31.2	30.8	2.3	0	4	0.89	2	2.7	19.2
2.4	0.8	40	9.8	0	0.8	5	3	3.21	17.1	42.5	9.8	32.7	23.2	5.3	0	3	1	2	3	15.2
2.6	1.6	58	11.8	0	1.6	3.6	3	2.88	17.8	46.1	11.8	34.3	45.4	3.7	0	4	0.88	2	2.67	31.1
2.8	3.3	67	13.7	0	3.3	2	5	2.48	18.3	49.7	13.7	36	90.3	2.1	0	5	0.73	2	2.26	65.1
3	2.8	71	15.7	0	2.8	2.5	4	2.6	18.3	53.4	15.7	37.7	72.9	2.6	0	5	0.77	2	2.38	55
3.2	3.7	98	17.7	0	3.7	2.6	4	2.52	18.8	57.2	17.7	39.5	92.3	2.7	0	5	0.75	2	2.3	72.9
3.4	3.2	80	19.6	0	3.2	2.5	4	2.55	18.5	60.8	19.6	41.2	76.2	2.5	0	5	0.76	1.96	2.34	61.7
3.6	2.8	89	21.6	0	2.8	3.2	4	2.66	18.5	64.6	21.6	43	63.8	3.2	0	4	0.81	1.98	2.45	54.1
3.8	3	67	23.5	0	3	2.2	4	2.54	18.2	68.2	23.5	44.7	65.7	2.3	0	5	0.77	1.85	2.34	54.4
4	4.4	62	25.5	0	4.4	1.4	5	2.29	18.3	71.9	25.5	46.4	93.5	1.4	0	5	0.68	1.69	2.12	73
4.2	4.2	49	27.5	0	4.2	1.2	5	2.25	18	75.5	27.5	48	86	1.2	0	5	0.67	1.63	2.09	67.5
4.4	3.6	71	29.4	0	3.6	2	5	2.44	18.4	79.1	29.4	49.7	70.9	2	0	5	0.74	1.68	2.28	59.3
4.6	2.9	71	31.4	0	2.9	2.4	4	2.58	18.3	82.8	31.4	51.4	54.9	2.5	0	5	0.8	1.7	2.41	47.9
4.8	1.8	62	33.4	0	1.8	3.4	3	2.83	18	86.4	33.4	53	32.4	3.6	0	4	0.89	1.76	2.67	30.3
5	6.6	58	35.3	0	6.6	0.9	6	2.02	18.4	90.1	35.3	54.8	119	0.9	0	6	0.6	1.44	1.9	93.6
5.2	5.5	169	37.3	0	5.5	3.1	4	2.43	19.5	94	37.3	56.7	95.5	3.1	0	5	0.76	1.54	2.31	83.3
5.4	4.8	120	39.2	0	4.8	2.5	5	2.42	19.1	97.8	39.2	58.6	80.4	2.5	0	5	0.75	1.5	2.3	70.5
5.6	1.9	62	41.2	0	1.9	3.2	4	2.8	18	101.4	41.2	60.2	30	3.4	0	4	0.9	1.58	2.67	28.5
5.8	2	44	43.2	0	2	2.2	4	2.68	17.6	104.9	43.2	61.8	30.8	2.3	0	4	0.86	1.51	2.56	28.8
6	1.4	27	45.1	0	1.4	1.9	4	2.77	16.9	108.3	45.1	63.2	20.6	2.1	0	4	0.9	1.51	2.66	19.6
6.2	2.6	9	47.1	0	2.6	0.3	5	2.19	15.9	111.5	47.1	64.4	38.8	0.4	0	5	0.68	1.35	2.09	33.7
6.4	4.3	40	49	0	4.3	0.9	5	2.19	17.8	115	49	66	63.6	1	0	5	0.68	1.33	2.1	55.7
6.6	3.5	58	51	0	3.5	1.7	5	2.41	18.1	118.7	51	67.7	50.1	1.7	0	5	0.77	1.35	2.32	45.8
6.8	1.7	9	53	0	1.7	0.5	5	2.43	15.7	121.8	53	68.8	23.1	0.6	0	5	0.78	1.34	2.35	21.3

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	2.4	124	4	8.70E-08	10	33.5	0	0	0	61	14	170.9	3.4	0.3	15.8	178	0	1.7	1.4	20
0.6	1	49	3	1.40E-08	5	13.8	0	0	0	35	14	70.6	1.4	0.3	6.5	140	0	1.2	1.4	20
0.8	1.8	53	4	1.50E-07	7	25	0	0	33	41	14	127.5	2.6	0.3	11.8	150	0	1.5	2.4	20
1	2.9	40	5	2.00E-06	9	41.3	41	37	33	41	0	0	0	0.3	0	152	-0.1	0	0	20
1.2	2.6	67	5	4.50E-07	9	36.1	38	36	39	48	0	0	0	0.3	0	162	-0.1	0	0	20
1.4	2.5	44	5	8.80E-07	8	34.6	38	36	33	41	0	0	0	0.3	0	151	-0.1	0	0	20
1.6	1.8	36	5	3.10E-07	7	24.8	32	35	28	36	0	0	0	0.3	0	142	-0.1	0	0	20
1.8	2.4	49	5	5.90E-07	8	33.2	37	36	34	42	0	0	0	0.3	0	153	-0.1	0	0	20
2	1.5	36	4	1.40E-07	6	20.5	0	0	27	34	14	104.7	2.1	0.3	9.7	139	0	1.4	2.8	20
2.2	1	22	4	5.70E-08	4	13.5	0	0	0	26	14	68.7	1.4	0.3	6.4	125	0	1.2	3.1	20
2.4	0.8	40	3	6.70E-09	4	10.6	0	0	0	31	14	54.2	1.1	0.3	5	132	0	1.1	1.3	20
2.6	1.6	58	4	6.90E-08	7	21.8	0	0	0	41	14	111.2	2.2	0.3	10.3	150	0	1.5	1.9	20
2.8	3.3	67	5	1.20E-06	11	45.5	43	38	41	51	0	0	0	0.3	0	166	-0.1	0	0	20
3	2.8	71	5	5.30E-07	10	38.5	40	37	40	50	0	0	0	0.3	0	164	-0.1	0	0	20
3.2	3.7	98	5	8.90E-07	12	51	46	38	48	61	0	0	0	0.3	0	178	-0.2	0	0	20
3.4	3.2	80	5	7.00E-07	11	44	42	37	44	55	0	0	0	0.3	0	170	-0.1	0	0	20
3.6	2.8	89	4	3.10E-07	10	38.4	0	0	44	55	14	195.7	3.9	0.3	17.9	171	0	1.8	2.2	20
3.8	3	67	5	6.70E-07	10	41.1	39	37	41	51	0	0	0	0.3	0	166	-0.1	0	0	20
4	4.4	62	5	3.30E-06	13	56.8	46	38	45	57	0	0	0	0.3	0	174	-0.1	0	0	20
4.2	4.2	49	5	4.00E-06	12	52.4	44	38	42	52	0	0	0	0.3	0	169	-0.1	0	0	20
4.4	3.6	71	5	1.00E-06	12	49.4	41	37	45	57	0	0	0	0.3	0	174	-0.1	0	0	20
4.6	2.9	71	5	4.10E-07	10	39.5	37	36	43	54	0	0	0	0.3	0	170	-0.1	0	0	20
4.8	1.8	62	4	7.00E-08	8	24.1	0	0	0	45	14	122.9	2.2	0.3	10	157	0	1.4	1.9	20
5	6.6	58	6	1.50E-05	17	65.1	52	39	52	65	0	0	0	0.3	0	186	-0.1	0	0	20
5.2	5.5	169	5	8.40E-07	18	75.8	49	39	73	91	0	0	0	0.3	0	214	-0.2	0	0	20
5.4	4.8	120	5	9.30E-07	16	65.9	45	38	62	78	0	0	0	0.3	0	200	-0.1	0	0	20
5.6	1.9	62	4	6.70E-08	8	25.3	0	0	0	48	14	129.1	2	0.3	9.4	162	0	1.4	2	20
5.8	2	44	4	1.50E-07	8	26.7	0	0	35	44	14	136	2.1	0.3	9.5	156	0	1.4	3	20
6	1.4	27	4	7.10E-08	6	18.2	0	0	0	34	14	92.9	1.4	0.3	6.5	141	0	1.2	3.4	20
6.2	2.6	9	5	3.90E-06	7	31.8	31	34	25	32	0	0	0	0.3	0	140	0	0	0	20
6.4	4.3	40	5	3.70E-06	12	53.9	40	37	43	54	0	0	0	0.3	0	172	-0.1	0	0	20
6.6	3.5	58	5	7.90E-07	12	47.5	36	36	46	58	0	0	0	0.3	0	177	-0.1	0	0	20
6.8	1.7	9	5	6.30E-07	6	22.2	25	32	22	28	0	0	0	0.3	0	133	0	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	1	62	0	0	1	6.5	3	3.22	17.7	7.1	0	7.1	134.1	6.5	0	3	0.99	2	2.99	19
0.6	1	49	0	0	1	5.1	3	3.15	17.4	10.6	0	10.6	89.5	5.2	0	3	0.97	2	2.92	18.9
0.8	1.2	53	0	0	1.2	4.3	3	3.01	17.6	14.1	0	14.1	87.3	4.3	0	3	0.92	2	2.79	24.6
1	1.2	67	0	0	1.2	5.6	3	3.1	17.9	17.7	0	17.7	66.7	5.7	0	3	0.96	2	2.88	23.6
1.2	1	44	0	0	1	4.4	3	3.1	17.3	21.2	0	21.2	46.5	4.5	0	3	0.95	2	2.87	19.7
1.4	0.6	36	0	0	0.6	6.3	3	3.38	16.9	24.5	0	24.5	22.4	6.5	0	3	1	2	3.17	11
1.6	0.4	22	0	0	0.4	5.7	3	3.5	16.2	27.8	0	27.8	12.8	6.2	0	3	1	2	3.3	7.1
1.8	0.4	31	0	0	0.4	7.2	3	3.52	16.6	31.1	0	31.1	12.9	7.8	0	3	1	2	3.32	8
2	0.4	36	0	0	0.4	8.4	2	3.56	16.8	34.4	0	34.4	11.5	9.1	0	3	1	2	3.37	7.9
2.2	0.3	18	0	0	0.3	6.3	2	3.63	15.8	37.6	0	37.6	6.6	7.2	0	3	1	2	3.46	5
2.4	1	53	0	0	1	5.3	3	3.14	17.6	41.1	0	41.1	23.4	5.5	0	3	0.99	2	2.94	19.3
2.6	1.2	89	2	0	1.2	7.1	3	3.16	18.2	44.8	2	42.8	28	7.4	0	3	1	2	2.96	24
2.8	1.1	53	3.9	0	1.1	5	3	3.12	17.6	48.3	3.9	44.4	22.7	5.3	0	3	0.98	2	2.91	20.1
3	1.2	53	5.9	0	1.2	4.3	3	3.01	17.6	51.8	5.9	45.9	26	4.4	0	3	0.94	2	2.8	23.9
3.2	1	58	7.8	0	1	6	3	3.2	17.6	55.3	7.8	47.5	19	6.4	0	3	1	2	3	18.1
3.4	1.7	62	9.8	0	1.7	3.7	3	2.87	17.9	58.9	9.8	49.1	33	3.8	0	4	0.9	1.89	2.68	30.6
3.6	2	102	11.8	0	2	5.1	3	2.9	18.6	62.6	11.8	50.9	38.3	5.2	0	3	0.91	1.85	2.72	36.2
3.8	2.7	169	13.7	0	2.7	6.2	3	2.86	19.3	66.5	13.7	52.8	50.5	6.3	0	3	0.91	1.79	2.7	47.6
4	2.5	147	15.7	0	2.5	5.8	3	2.87	19.1	70.3	15.7	54.6	45.2	6	0	3	0.91	1.73	2.71	42.9
4.2	3.7	156	17.7	0	3.7	4.2	4	2.66	19.3	74.2	17.7	56.5	64	4.3	0	4	0.84	1.61	2.52	58.3
4.4	4.4	311	19.6	0	4.4	7.1	3	2.76	20.2	78.2	19.6	58.6	73.9	7.2	0	9	0.88	1.6	2.64	69.5
4.6	3.9	271	21.6	0	3.9	6.9	3	2.79	20	82.2	21.6	60.6	63.5	7	0	9	0.9	1.57	2.67	60.3
4.8	2.8	151	23.5	0	2.8	5.4	3	2.82	19.2	86	23.5	62.5	43.1	5.6	0	3	0.91	1.54	2.7	41.4
5	2.6	187	25.5	0	2.6	7.2	3	2.93	19.4	89.9	25.5	64.4	38.8	7.5	0	3	0.96	1.52	2.82	38.1
5.2	3.6	258	27.5	0	3.6	7.1	3	2.82	19.9	93.9	27.5	66.4	53.5	7.3	0	3	0.92	1.46	2.72	51.8
5.4	5.1	267	29.4	0	5.1	5.3	4	2.63	20	97.9	29.4	68.5	72.8	5.4	0	9	0.85	1.38	2.54	68.9
5.6	5.5	298	31.4	0	5.5	5.5	4	2.62	20.2	101.9	31.4	70.5	76	5.6	0	9	0.85	1.35	2.54	72.2
5.8	3.9	191	33.4	0	3.9	4.9	4	2.69	19.6	105.8	33.4	72.5	52.1	5.1	0	4	0.88	1.33	2.61	50.2
6	3.2	236	35.3	0	3.2	7.5	3	2.88	19.7	109.8	35.3	74.5	41.1	7.7	0	3	0.96	1.33	2.81	40.6
6.2	2.1	191	37.3	0	2.1	9.2	3	3.07	19.3	113.6	37.3	76.4	25.6	9.8	0	3	1	1.31	3.02	25.6
6.4	2.2	196	39.2	0	2.2	8.9	3	3.04	19.4	117.5	39.2	78.3	26.7	9.4	0	3	1	1.28	3	26.7
6.6	5.4	173	41.2	0	5.4	3.2	4	2.46	19.6	121.4	41.2	80.2	65.4	3.3	0	4	0.81	1.2	2.41	62.7
6.8	5.9	169	43.2	0	5.9	2.8	5	2.39	19.6	125.3	43.2	82.2	70.8	2.9	0	5	0.79	1.17	2.35	67.9

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	1	62	3	7.30E-09	5	13.3	0	0	0	38	14	67.9	1.4	0.3	6.3	145	0	1.2	1.1	20
0.6	1	49	3	1.20E-08	5	13.3	0	0	0	35	14	67.6	1.4	0.3	6.3	139	0	1.2	1.4	20
0.8	1.2	53	3	3.10E-08	6	17.2	0	0	0	38	14	87.9	1.8	0.3	8.1	145	0	1.3	1.6	20
1	1.2	67	3	1.60E-08	6	16.5	0	0	0	41	14	84.2	1.7	0.3	7.8	149	0	1.3	1.2	20
1.2	1	44	3	1.70E-08	5	13.8	0	0	0	34	14	70.3	1.4	0.3	6.5	138	0	1.2	1.6	20
1.4	0.6	36	3	2.10E-09	3	6.1	0	0	0	27	14	39.3	0.8	0.3	3.6	126	0	1	1.1	20
1.6	0.4	22	3	9.00E-10	2	2.5	0	0	0	21	14	25.4	0.5	0.3	2.3	113	0	0.9	1.1	20
1.8	0.4	31	3	8.50E-10	3	3.2	0	0	0	24	14	28.6	0.6	0.3	2.6	119	0	0.9	0.9	20
2	0.4	36	3	7.30E-10	3	3.1	0	0	0	25	14	28.3	0.6	0.3	2.6	122	0	0.9	0.8	20
2.2	0.3	18	3	5.40E-10	2	1.2	0	0	0	18	14	17.8	0.4	0.3	1.6	106	0	0.8	1	20
2.4	1	53	3	1.10E-08	5	13.5	0	0	0	36	14	68.9	1.4	0.3	6.4	141	0	1.2	1.3	20
2.6	1.2	89	3	9.30E-09	6	16.8	0	0	0	46	14	85.8	1.7	0.3	7.9	157	0	1.3	0.9	20
2.8	1.1	53	3	1.30E-08	5	14.1	0	0	0	36	14	71.8	1.4	0.3	6.6	142	0	1.3	1.3	20
3	1.2	53	3	2.70E-08	6	16.7	0	0	0	37	14	85.3	1.7	0.3	7.9	144	0	1.3	1.6	20
3.2	1	58	3	6.70E-09	5	12.7	0	0	0	36	14	64.6	1.3	0.3	6	142	0	1.2	1.1	20
3.4	1.7	62	4	6.30E-08	7	22.7	0	0	0	43	14	115.6	2.2	0.3	10.1	154	0	1.5	1.8	20
3.6	2	102	3	4.70E-08	9	27.3	0	0	0	55	14	139.3	2.6	0.3	11.9	171	0	1.5	1.3	20
3.8	2.7	169	3	5.50E-08	12	37.3	0	0	0	73	14	190.4	3.4	0.3	15.7	193	0	1.7	1.1	20
4	2.5	147	3	5.10E-08	11	34.6	0	0	0	69	14	176.5	3.1	0.3	14.1	188	0	1.6	1.2	20
4.2	3.7	156	4	2.00E-07	14	50.6	0	0	63	79	14	258.3	4.2	0.3	19.2	200	0	1.8	1.6	20
4.4	4.4	311	9	8.50E-08	18	60.6	0	0	0	110	14	309.3	5	0.3	22.9	231	0	1.9	1	20
4.6	3.9	271	9	6.80E-08	16	53.9	0	0	0	102	14	274.9	4.3	0.3	19.9	224	0	1.8	1	20
4.8	2.8	151	3	5.40E-08	12	37.7	0	0	0	74	14	192.6	3	0.3	13.7	195	0	1.6	1.2	20
5	2.6	187	3	2.40E-08	12	35	0	0	0	80	14	178.6	2.7	0.3	12.6	201	0	1.6	0.9	20
5.2	3.6	258	3	4.70E-08	16	49.7	0	0	0	101	14	253.6	3.7	0.3	17.1	223	0	1.7	1	20
5.4	5.1	267	9	1.70E-07	19	69.8	0	0	89	112	14	356	4.9	0.3	22.7	234	0	1.9	1.3	20
5.6	5.5	298	9	1.70E-07	21	75.1	0	0	96	121	14	383.1	5.2	0.3	23.8	242	0	1.9	1.3	20
5.8	3.9	191	4	1.00E-07	16	52.9	0	0	0	93	14	269.9	3.6	0.3	16.6	216	0	1.7	1.4	20
6	3.2	236	3	2.50E-08	14	42.8	0	0	0	97	14	218.4	2.9	0.3	13.4	220	0	1.6	0.9	20
6.2	2.1	191	3	5.80E-09	11	27.3	0	0	0	81	14	139.5	1.8	0.3	8.4	203	0	1.4	0.7	20
6.4	2.2	196	3	7.00E-09	11	29.3	0	0	0	84	14	149.5	1.9	0.3	8.8	206	0	1.4	0.7	20
6.6	5.4	173	4	4.20E-07	19	73.5	0	0	80	100	14	375	4.5	0.3	20.7	224	0	1.9	2.1	20
6.8	5.9	169	5	6.50E-07	20	81.5	44	38	82	103	0	0	0	0.3	0	227	-0.2	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	2.9	62	0	0	2.9	2.1	4	2.54	18.1	7.3	0	7.3	398.6	2.1	0	5	0.73	2	2.31	57.9
0.6	3.5	58	0	0	3.5	1.7	5	2.41	18.1	10.9	0	10.9	320.5	1.7	0	5	0.68	2	2.17	69.8
0.8	1	27	0	0	1	2.7	3	2.98	16.8	14.2	0	14.2	69.2	2.7	0	4	0.9	2	2.73	19.7
1	0.7	22	0	0	0.7	3.1	3	3.14	16.4	17.5	0	17.5	38.9	3.2	0	3	0.97	2	2.9	13.6
1.2	1.2	18	0	0	1.2	1.5	4	2.77	16.4	20.8	0	20.8	56.7	1.5	0	5	0.82	2	2.52	23.6
1.4	0.9	27	0	0	0.9	3	3	3.04	16.7	24.1	0	24.1	36.3	3.1	0	4	0.93	2	2.81	17.5
1.6	1	27	0	0	1	2.7	3	2.98	16.8	27.5	0	27.5	35.4	2.8	0	4	0.91	2	2.74	19.4
1.8	1.7	62	0	0	1.7	3.6	3	2.87	17.9	31.1	0	31.1	53.7	3.7	0	4	0.87	2	2.64	33.4
2	2.3	84	0	0	2.3	3.7	4	2.77	18.4	34.8	0	34.8	65.1	3.7	0	4	0.84	2	2.55	45.3
2.2	7.7	98	0	0	7.7	1.3	5	2.07	19	38.6	0	38.6	198.6	1.3	0	6	0.59	1.75	1.89	134.2
2.4	8.4	107	0	0	8.4	1.3	6	2.04	19.2	42.4	0	42.4	197	1.3	0	6	0.59	1.65	1.88	138.2
2.6	13.1	111	0	0	13.1	0.8	6	1.78	19.4	46.3	0	46.3	282	0.9	0	6	0.5	1.47	1.65	192.2
2.8	13.8	102	0	0	13.8	0.7	6	1.72	19.3	50.2	0	50.2	274.1	0.7	0	6	0.49	1.4	1.61	192.6
3	6.1	138	0	0	6.1	2.3	5	2.31	19.3	54	0	54	111.9	2.3	0	5	0.71	1.54	2.18	93.4
3.2	4.3	76	0	0	4.3	1.8	5	2.36	18.5	57.7	0	57.7	73.5	1.8	0	5	0.73	1.49	2.23	63.2
3.4	4.3	129	0	0	4.3	3	4	2.5	19.1	61.6	0	61.6	68.9	3	0	5	0.79	1.47	2.39	62.2
3.6	6.3	133	0	0	6.3	2.1	5	2.28	19.3	65.4	0	65.4	95.3	2.1	0	5	0.72	1.35	2.19	84.5
3.8	2.5	98	0	0	2.5	3.9	4	2.76	18.6	69.1	0	69.1	35.2	4	0	4	0.9	1.39	2.66	33.9
4	1.6	71	0	0	1.6	4.4	3	2.94	18.1	72.8	0	72.8	21	4.6	0	3	0.98	1.36	2.86	20.8
4.2	3.6	89	0	0	3.6	2.5	4	2.51	18.6	76.5	0	76.5	46.1	2.5	0	5	0.82	1.25	2.44	43.9
4.4	6.9	204	0	0	6.9	3	5	2.35	19.8	80.5	0	80.5	84.8	3	0	5	0.77	1.18	2.31	80.6
4.6	4.3	138	0	0	4.3	3.2	4	2.52	19.2	84.3	0	84.3	50	3.3	0	4	0.84	1.15	2.49	48.7
4.8	7.9	240	0	0	7.9	3	5	2.32	20.1	88.3	0	88.3	88.4	3.1	0	5	0.77	1.1	2.3	85.9
5	9.3	253	0	0	9.3	2.7	5	2.24	20.2	92.4	0	92.4	99.7	2.7	0	5	0.74	1.06	2.22	97.7
5.2	10.6	280	0	0	10.6	2.6	5	2.19	20.4	96.4	0	96.4	108.9	2.7	0	5	0.73	1.03	2.18	107.9
5.4	7.5	164	0	0	7.5	2.2	5	2.23	19.6	100.4	0	100.4	73.7	2.2	0	5	0.75	1	2.24	73.8
5.6	5.5	209	0	0	5.5	3.8	4	2.5	19.8	104.3	0	104.3	51.7	3.9	0	4	0.86	0.96	2.52	52
5.8	16.3	280	0	0	16.3	1.7	6	1.93	20.5	108.4	0	108.4	149.3	1.7	0	6	0.64	0.95	1.94	153.7
6	10.8	133	0	0	10.8	1.2	6	1.95	19.5	112.3	0	112.3	95.1	1.2	0	6	0.66	0.93	1.98	99
6.2	8	133	0	0	8	1.7	5	2.13	19.4	116.2	0	116.2	67.8	1.7	0	5	0.74	0.9	2.17	70.6
6.4	6.9	58	0	0	6.9	0.8	6	2	18.4	119.9	0	119.9	56.6	0.9	0	6	0.69	0.88	2.05	59.8
6.6	9	169	2	0	9	1.9	5	2.13	19.7	123.8	2	121.9	72.8	1.9	0	5	0.74	0.86	2.18	76.6
6.8	5.9	98	3.9	0	5.9	1.7	5	2.23	18.9	127.6	3.9	123.7	46.7	1.7	0	5	0.79	0.85	2.3	48.8

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	2.9	62	5	8.70E-07	10	40.5	41	37	39	48	0	0	0	0.3	0	162	-0.1	0	0	20
0.6	3.5	58	5	2.20E-06	11	49.2	45	38	39	49	0	0	0	0.3	0	163	-0.1	0	0	20
0.8	1	27	4	4.30E-08	4	13.8	0	0	0	28	14	70.4	1.4	0.3	6.5	129	0	1.2	2.6	20
1	0.7	22	3	1.30E-08	3	9.3	0	0	0	24	14	48.7	1	0.3	4.5	121	0	1.1	2.2	20
1.2	1.2	18	5	1.90E-07	5	16.5	26	33	21	26	0	0	0	0.3	0	125	0	0	0	20
1.4	0.9	27	4	2.60E-08	4	12.3	0	0	0	28	14	62.6	1.3	0.3	5.8	127	0	1.2	2.3	20
1.6	1	27	4	4.10E-08	4	13.6	0	0	0	28	14	69.5	1.4	0.3	6.4	128	0	1.2	2.5	20
1.8	1.7	62	4	8.20E-08	7	23.4	0	0	0	43	14	119.2	2.4	0.3	11	153	0	1.5	1.9	20
2	2.3	84	4	1.60E-07	9	31.7	0	0	41	51	14	161.8	3.2	0.3	15	165	0	1.7	1.9	20
2.2	7.7	98	6	1.60E-05	19	75.3	62	41	60	75	0	0	0	0.3	0	197	-0.2	0	0	20
2.4	8.4	107	6	1.70E-05	21	81.2	63	41	65	81	0	0	0	0.3	0	204	-0.2	0	0	20
2.6	13.1	111	6	8.50E-05	28	95.2	74	43	76	95	0	0	0	0.3	0	219	-0.2	0	0	20
2.8	13.8	102	6	1.10E-04	29	95.1	74	43	76	95	0	0	0	0.3	0	220	-0.2	0	0	20
3	6.1	138	5	2.20E-06	18	85.7	52	39	68	86	0	0	0	0.3	0	208	-0.2	0	0	20
3.2	4.3	76	5	1.50E-06	13	59.4	43	37	51	64	0	0	0	0.3	0	184	-0.1	0	0	20
3.4	4.3	129	5	4.90E-07	15	59.3	42	37	63	79	0	0	0	0.3	0	201	-0.1	0	0	20
3.6	6.3	133	5	2.00E-06	19	89.5	49	39	71	89	0	0	0	0.3	0	213	-0.1	0	0	20
3.8	2.5	98	4	7.10E-08	10	34	0	0	0	64	14	173.6	2.4	0.3	11.2	183	0	1.5	1.7	20
4	1.6	71	3	1.80E-08	8	21.4	0	0	0	52	14	109.1	1.5	0.3	6.9	167	0	1.3	1.5	20
4.2	3.6	89	5	3.30E-07	13	49.3	35	36	56	70	0	0	0	0.3	0	192	-0.1	0	0	20
4.4	6.9	204	5	8.70E-07	23	95.5	48	39	91	114	0	0	0	0.3	0	237	-0.2	0	0	20
4.6	4.3	138	4	2.40E-07	16	59	0	0	71	89	14	301.1	3.5	0.3	16.1	213	0	1.7	2.1	20
4.8	7.9	240	5	9.40E-07	26	109.4	50	39	103	129	0	0	0	0.3	0	251	-0.2	0	0	20
5	9.3	253	5	1.60E-06	29	128.9	53	39	110	138	0	0	0	0.3	0	259	-0.2	0	0	20
5.2	10.6	280	5	2.00E-06	32	150.4	56	40	120	150	0	0	0	0.3	0	269	-0.2	0	0	20
5.4	7.5	164	5	1.40E-06	24	103.6	46	38	91	114	0	0	0	0.3	0	238	-0.1	0	0	20
5.6	5.5	209	4	2.00E-07	21	75.5	0	0	94	118	14	385.4	3.7	0.3	17.2	242	0	1.7	1.8	20
5.8	16.3	280	6	1.10E-05	42	170.5	66	42	136	170	0	0	0	0.3	0	285	-0.2	0	0	20
6	10.8	133	6	8.80E-06	29	117.4	53	40	94	117	0	0	0	0.3	0	243	-0.1	0	0	20
6.2	8	133	5	2.20E-06	24	111.2	45	38	89	111	0	0	0	0.3	0	237	-0.1	0	0	20
6.4	6.9	58	6	5.30E-06	19	81.6	41	37	65	82	0	0	0	0.3	0	209	-0.1	0	0	20
6.6	9	169	5	2.10E-06	27	126.7	47	38	101	127	0	0	0	0.3	0	251	-0.1	0	0	20
6.8	5.9	98	5	9.30E-07	19	80.8	37	36	76	95	0	0	0	0.3	0	222	-0.1	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	1.2	9	0	0	1.2	0.8	4	2.63	15.6	6.2	0	6.2	191.5	0.8	0	5	0.75	2	2.36	23.9
0.6	0.8	36	0	0	0.8	4.5	3	3.18	17	9.6	0	9.6	82	4.6	0	3	0.98	2	2.95	15.8
0.8	1.8	27	0	0	1.8	1.5	4	2.62	17	13	0	13	137	1.5	0	5	0.76	2	2.37	35.7
1	2.5	31	0	0	2.5	1.2	5	2.46	17.3	16.5	0	16.5	150.5	1.2	0	5	0.7	2	2.21	49.7
1.2	1.5	53	0	0	1.5	3.5	3	2.9	17.7	20	0	20	73.9	3.6	0	4	0.88	2	2.67	29.6
1.4	2.4	36	0	0	2.4	1.5	5	2.52	17.4	23.5	0	23.5	101	1.5	0	5	0.73	2	2.28	47.5
1.6	3.4	53	0	0	3.4	1.6	5	2.4	18	27.1	0	27.1	124.3	1.6	0	5	0.69	2	2.17	67.5
1.8	2.3	49	0	0	2.3	2.1	4	2.62	17.8	30.7	0	30.7	73.9	2.2	0	5	0.78	2	2.39	45.4
2	3.5	71	0	0	3.5	2	5	2.46	18.4	34.4	0	34.4	100.8	2	0	5	0.72	2	2.24	69.3
2.2	3	71	0	0	3	2.4	4	2.56	18.3	38	0	38	77.9	2.4	0	5	0.76	2	2.33	59.2
2.4	6.2	218	0	0	6.2	3.5	4	2.44	19.9	42	0	42	146.6	3.5	0	5	0.73	1.89	2.26	116.2
2.6	3.7	80	0	0	3.7	2.2	5	2.46	18.5	45.7	0	45.7	79.9	2.2	0	5	0.74	1.78	2.28	65.2
2.8	5.7	84	0	0	5.7	1.5	5	2.21	18.8	49.5	0	49.5	114.2	1.5	0	5	0.66	1.59	2.06	89.9
3	9.3	249	0	0	9.3	2.7	5	2.23	20.2	53.5	0	53.5	172.8	2.7	0	5	0.68	1.53	2.11	141.6
3.2	11.3	116	0	0	11.3	1	6	1.88	19.4	57.4	0	57.4	195.9	1	0	6	0.56	1.36	1.78	153.2
3.4	4.1	62	0	0	4.1	1.5	5	2.33	18.3	61	0	61	66.2	1.5	0	5	0.72	1.43	2.21	57.7
3.6	2.6	53	0	0	2.6	2	4	2.57	17.9	64.6	0	64.6	39.2	2.1	0	5	0.82	1.43	2.45	36.2
3.8	1.5	138	0	0	1.5	9.2	3	3.17	18.8	68.4	0	68.4	20.9	9.6	0	3	1	1.46	3.08	20.9
4	2.3	27	0	0	2.3	1.2	5	2.48	17.1	71.8	0	71.8	31	1.2	0	5	0.8	1.3	2.39	29
4.2	4.4	49	0	0	4.4	1.1	5	2.23	18	75.4	0	75.4	57.4	1.1	0	5	0.71	1.22	2.16	52.9
4.4	1.9	22	0	0	1.9	1.2	5	2.54	16.8	78.8	0	78.8	23.1	1.2	0	5	0.84	1.22	2.49	22.2
4.6	4.4	53	0	0	4.4	1.2	5	2.25	18.1	82.4	0	82.4	52.4	1.2	0	5	0.73	1.15	2.2	49.7
4.8	7.2	62	2	0	7.2	0.9	6	1.99	18.5	86.1	2	84.1	84.6	0.9	0	6	0.64	1.12	1.95	79.4
5	6.6	98	3.9	0	6.6	1.5	5	2.16	19	89.9	3.9	86	75.7	1.5	0	5	0.71	1.11	2.13	72.4
5.2	7.1	89	5.9	0	7.1	1.3	5	2.09	18.9	93.7	5.9	87.8	79.8	1.3	0	5	0.68	1.09	2.07	76.6
5.4	7.7	138	7.8	0	7.7	1.8	5	2.17	19.4	97.5	7.8	89.7	84.8	1.8	0	5	0.71	1.08	2.15	82.2
5.6	6	53	9.8	0	6	0.9	6	2.06	18.2	101.2	9.8	91.4	64.6	0.9	0	6	0.67	1.06	2.04	62.7
5.8	5.8	36	11.8	0	5.8	0.6	6	1.99	17.8	104.8	11.8	93	61.3	0.6	0	6	0.65	1.05	1.98	59.7
6	2.8	36	13.7	0	2.8	1.3	5	2.42	17.5	108.3	13.7	94.5	28.5	1.3	0	5	0.82	1.05	2.43	28.2
6.2	4.8	89	15.7	0	4.8	1.9	5	2.33	18.8	112	15.7	96.3	48.7	1.9	0	5	0.79	1.03	2.33	48.3
6.4	5	84	17.7	0	5	1.7	5	2.29	18.7	115.7	17.7	98.1	49.8	1.7	0	5	0.77	1.02	2.29	49.6
6.6	3.3	71	19.6	0	3.3	2.1	4	2.5	18.3	119.4	19.6	99.8	31.9	2.2	0	4	0.86	1	2.52	31.9
6.8	3.4	107	21.6	0	3.4	3.1	4	2.59	18.8	123.2	21.6	101.6	32.3	3.3	0	4	0.9	0.99	2.62	32.3

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	1.2	9	5	5.90E-07	4	16.7	26	33	17	21	0	0	0	0.3	0	116	0	0	0	20
0.6	0.8	36	3	9.80E-09	4	11.1	0	0	0	30	14	56.5	1.1	0.3	5.2	131	0	1.2	1.5	20
0.8	1.8	27	5	5.50E-07	6	25	32	35	26	32	0	0	0	0.3	0	137	-0.1	0	0	20
1	2.5	31	5	1.70E-06	8	34.8	38	36	29	37	0	0	0	0.3	0	144	-0.1	0	0	20
1.2	1.5	53	4	6.70E-08	6	20.7	0	0	0	39	14	105.7	2.1	0.3	9.8	148	0	1.4	2	20
1.4	2.4	36	5	1.10E-06	8	33.3	37	36	30	38	0	0	0	0.3	0	146	-0.1	0	0	20
1.6	3.4	53	5	2.30E-06	10	47.2	44	38	38	47	0	0	0	0.3	0	160	-0.1	0	0	20
1.8	2.3	49	5	4.90E-07	8	31.8	36	36	34	42	0	0	0	0.3	0	152	-0.1	0	0	20
2	3.5	71	5	1.40E-06	11	48.5	45	38	42	53	0	0	0	0.3	0	168	-0.1	0	0	20
2.2	3	71	5	7.30E-07	10	41.5	41	37	41	51	0	0	0	0.3	0	165	-0.1	0	0	20
2.4	6.2	218	5	1.20E-06	20	86.2	58	40	77	97	0	0	0	0.3	0	219	-0.2	0	0	20
2.6	3.7	80	5	1.10E-06	12	51.2	43	38	47	59	0	0	0	0.3	0	176	-0.1	0	0	20
2.8	5.7	84	5	4.90E-06	16	68.9	51	39	55	69	0	0	0	0.3	0	190	-0.1	0	0	20
3	9.3	249	5	3.40E-06	27	120.8	64	41	96	121	0	0	0	0.3	0	242	-0.2	0	0	20
3.2	11.3	116	6	3.40E-05	26	96.5	66	42	77	97	0	0	0	0.3	0	221	-0.2	0	0	20
3.4	4.1	62	5	1.70E-06	13	56.5	41	37	48	60	0	0	0	0.3	0	179	-0.1	0	0	20
3.6	2.6	53	5	3.10E-07	9	35.5	32	35	41	51	0	0	0	0.3	0	167	-0.1	0	0	20
3.8	1.5	138	3	3.90E-09	8	20	0	0	0	64	14	102.3	1.5	0.3	6.9	182	0	1.3	0.7	20
4	2.3	27	5	4.80E-07	8	31.2	29	34	33	42	0	0	0	0.3	0	154	0	0	0	20
4.2	4.4	49	5	2.40E-06	13	60.2	39	37	48	60	0	0	0	0.3	0	181	-0.1	0	0	20
4.4	1.9	22	5	2.40E-07	7	25.5	25	32	31	38	0	0	0	0.3	0	150	0	0	0	20
4.6	4.4	53	5	1.80E-06	14	60.4	38	36	51	63	0	0	0	0.3	0	185	-0.1	0	0	20
4.8	7.2	62	6	1.00E-05	19	75.9	48	38	61	76	0	0	0	0.3	0	201	-0.1	0	0	20
5	6.6	98	5	3.00E-06	19	87.2	45	38	70	87	0	0	0	0.3	0	212	-0.1	0	0	20
5.2	7.1	89	5	4.70E-06	20	86.3	47	38	69	86	0	0	0	0.3	0	212	-0.1	0	0	20
5.4	7.7	138	5	2.70E-06	23	103.7	48	39	83	104	0	0	0	0.3	0	229	-0.1	0	0	20
5.6	6	53	6	5.50E-06	17	70.6	42	37	56	71	0	0	0	0.3	0	195	-0.1	0	0	20
5.8	5.8	36	6	8.70E-06	15	62.7	41	37	50	63	0	0	0	0.3	0	186	-0.1	0	0	20
6	2.8	36	5	3.80E-07	10	37.7	28	34	42	52	0	0	0	0.3	0	171	0	0	0	20
6.2	4.8	89	5	7.30E-07	16	65.7	37	36	64	81	0	0	0	0.3	0	206	-0.1	0	0	20
6.4	5	84	5	9.50E-07	16	68.4	38	36	64	80	0	0	0	0.3	0	205	-0.1	0	0	20
6.6	3.3	71	4	2.00E-07	12	44.6	0	0	55	69	14	227.5	2.3	0.3	10.5	192	0	1.5	3.1	20
6.8	3.4	107	4	9.90E-08	14	45.9	0	0	0	81	14	234.4	2.3	0.3	10.7	206	0	1.5	2.1	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	1	13	0	0	1	1.3	4	2.81	15.9	6.4	0	6.4	155.9	1.3	0	4	0.82	2	2.55	19.9
0.6	6.8	196	0	0	6.8	2.9	5	2.35	19.8	10.3	0	10.3	657	2.9	0	5	0.67	2	2.15	135.8
0.8	6.1	138	0	0	6.1	2.3	5	2.31	19.3	14.2	0	14.2	428.5	2.3	0	5	0.66	2	2.1	121.7
1	3	98	0	0	3	3.3	4	2.65	18.7	17.9	0	17.9	166.2	3.3	0	4	0.78	2	2.43	59.6
1.2	1.7	49	0	0	1.7	2.9	4	2.8	17.7	21.5	0	21.5	78.2	2.9	0	4	0.84	2	2.57	33.6
1.4	2.1	76	0	0	2.1	3.6	4	2.79	18.3	25.1	0	25.1	82.6	3.7	0	4	0.84	2	2.57	41.5
1.6	3.2	231	0	0	3.2	7.2	3	2.86	19.7	29.1	0	29.1	109.1	7.3	0	9	0.88	2	2.67	63.4
1.8	0	40	0	0	0	0	0	0	19	32.9	0	32.9	0	0	0	0	1	2	0	0
2	3.3	67	0	0	3.3	2	5	2.48	18.3	36.5	0	36.5	89.4	2.1	0	5	0.73	2	2.26	65.3
2.2	3	67	0	0	3	2.2	4	2.54	18.2	40.2	0	40.2	73.7	2.3	0	5	0.75	1.99	2.32	58.8
2.4	3	27	0	0	3	0.9	5	2.32	17.2	43.6	0	43.6	67.8	0.9	0	5	0.68	1.75	2.12	51.9
2.6	3.2	49	0	0	3.2	1.5	5	2.42	17.9	47.2	0	47.2	66.8	1.6	0	5	0.73	1.72	2.24	54.4
2.8	1.2	31	2	0	1.2	2.6	3	2.9	17	50.6	2	48.6	23.6	2.7	0	4	0.9	1.91	2.69	22
3	0.7	36	3.9	0	0.7	5.1	3	3.26	17	54	3.9	50.1	12.9	5.6	0	3	1	2	3.07	12.9
3.2	1.1	13	5.9	0	1.1	1.2	4	2.76	16	57.2	5.9	51.3	20.4	1.2	0	4	0.85	1.77	2.57	18.5
3.4	3.6	98	7.8	0	3.6	2.7	4	2.53	18.8	60.9	7.8	53.1	66.7	2.8	0	5	0.78	1.64	2.38	58.2
3.6	1.4	31	9.8	0	1.4	2.2	4	2.81	17.1	64.3	9.8	54.5	24.5	2.3	0	4	0.88	1.71	2.64	22.8
3.8	1.7	36	11.8	0	1.7	2.1	4	2.73	17.3	67.8	11.8	56	29.2	2.2	0	4	0.86	1.64	2.57	26.9
4	0.7	9	13.7	0	0.7	1.3	4	2.95	15.4	70.9	13.7	57.2	11.1	1.4	0	4	0.95	1.7	2.8	10.7
4.2	2.1	53	15.7	0	2.1	2.5	4	2.7	17.8	74.5	15.7	58.8	34.5	2.6	0	4	0.85	1.57	2.56	31.9
4.4	2.6	49	17.7	0	2.6	1.9	4	2.55	17.8	78	17.7	60.4	41.8	1.9	0	5	0.8	1.5	2.42	37.9
4.6	2.8	71	19.6	0	2.8	2.5	4	2.6	18.3	81.7	19.6	62.1	43.9	2.6	0	4	0.83	1.48	2.48	40.4
4.8	3.6	116	21.6	0	3.6	3.2	4	2.58	18.9	85.5	21.6	63.9	55.1	3.3	0	4	0.83	1.45	2.48	50.9
5	3.4	58	23.5	0	3.4	1.7	5	2.43	18.1	89.1	23.5	65.5	50.6	1.7	0	5	0.77	1.38	2.33	45.9
5.2	7.7	18	25.5	0	7.7	0.2	6	1.69	17.1	92.5	25.5	67	113.6	0.2	0	6	0.5	1.22	1.61	92.9
5.4	6	10	27.5	0	6	0.2	6	1.75	16.3	95.8	27.5	68.3	86.5	0.2	0	6	0.52	1.22	1.67	72.1

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	1	13	4	1.60E-07	4	13.9	0	0	18	23	14	71	1.4	0.3	6.6	118	0	1.3	5.4	20
0.6	6.8	196	5	2.70E-06	20	92.7	62	41	74	93	0	0	0	0.3	0	214	-0.2	0	0	20
0.8	6.1	138	5	3.80E-06	18	78	59	41	62	78	0	0	0	0.3	0	199	-0.2	0	0	20
1	3	98	4	3.80E-07	11	41.7	0	0	46	58	14	213	4.3	0.3	19.7	174	0	1.8	2.1	20
1.2	1.7	49	4	1.40E-07	7	23.5	0	0	31	39	14	119.9	2.4	0.3	11.1	148	0	1.5	2.4	20
1.4	2.1	76	4	1.40E-07	8	29	0	0	39	48	14	148.2	3	0.3	13.7	161	0	1.6	1.9	20
1.6	3.2	231	9	6.90E-08	13	44.4	0	0	0	84	14	226.5	4.5	0.3	20.9	204	0	1.9	1	20
1.8	0	40	0	0.00E+00	0	0	0	0	0	0	0	0	0	0.3	0	0	0	0	0	20
2	3.3	67	5	1.20E-06	11	45.7	43	38	41	51	0	0	0	0.3	0	166	-0.1	0	0	20
2.2	3	67	5	8.10E-07	10	41.4	41	37	40	50	0	0	0	0.3	0	164	-0.1	0	0	20
2.4	3	27	5	3.30E-06	9	38.8	38	36	31	39	0	0	0	0.3	0	149	-0.1	0	0	20
2.6	3.2	49	5	1.40E-06	10	44.1	39	37	38	48	0	0	0	0.3	0	162	-0.1	0	0	20
2.8	1.2	31	4	5.80E-08	5	16.1	0	0	0	31	14	82.1	1.6	0.3	7.3	134	0	1.3	2.6	20
3	0.7	36	3	4.10E-09	4	8.4	0	0	0	28	14	46.2	0.9	0.3	4.3	128	0	1.1	1.3	20
3.2	1.1	13	4	1.40E-07	4	14.6	0	0	19	24	14	74.6	1.3	0.3	6.1	122	0	1.2	5.6	20
3.4	3.6	98	5	5.20E-07	12	49.6	41	37	52	65	0	0	0	0.3	0	184	-0.1	0	0	20
3.6	1.4	31	4	8.40E-08	6	18.7	0	0	0	34	14	95.5	1.6	0.3	7.5	140	0	1.3	3	20
3.8	1.7	36	4	1.40E-07	7	22.9	0	0	30	38	14	116.8	1.9	0.3	8.9	147	0	1.4	3.2	20
4	0.7	9	4	2.80E-08	3	6.8	0	0	0	20	14	45.1	0.8	0.3	3.5	112	0	1	4.9	20
4.2	2.1	53	4	1.50E-07	8	28.4	0	0	37	47	14	144.9	2.3	0.3	10.5	160	0	1.5	2.7	20
4.4	2.6	49	5	4.00E-07	9	35.4	33	35	39	49	0	0	0	0.3	0	164	-0.1	0	0	20
4.6	2.8	71	4	2.60E-07	10	38.1	0	0	45	57	14	194.4	2.9	0.3	13.3	174	0	1.6	2.7	20
4.8	3.6	116	4	2.70E-07	13	49.3	0	0	58	73	14	251.3	3.6	0.3	16.8	194	0	1.7	2.1	20
5	3.4	58	5	7.60E-07	11	46.4	36	36	45	57	0	0	0	0.3	0	175	-0.1	0	0	20
5.2	7.7	18	6	1.10E-04	16	53	52	39	42	53	0	0	0	0.3	0	174	-0.1	0	0	20
5.4	6	10	6	7.30E-05	13	44.3	45	38	35	44	0	0	0	0.3	0	163	-0.1	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	2.6	89	0	0	2.6	3.4	4	2.71	18.5	7.4	0	7.4	350	3.4	0	4	0.8	2	2.48	51.9
0.6	1.9	67	0	0	1.9	3.5	3	2.82	18.1	11	0	11	171.4	3.5	0	4	0.84	2	2.59	37.8
0.8	1.5	44	0	0	1.5	2.9	3	2.85	17.5	14.5	0	14.5	102.3	3	0	4	0.85	2	2.62	29.7
1	2.5	62	0	0	2.5	2.5	4	2.63	18.1	18.1	0	18.1	136.8	2.5	0	5	0.77	2	2.4	49.6
1.2	2.8	76	0	0	2.8	2.7	4	2.62	18.4	21.8	0	21.8	127.4	2.7	0	5	0.77	2	2.39	55.6
1.4	2.6	67	0	0	2.6	2.6	4	2.63	18.2	25.4	0	25.4	101.2	2.6	0	5	0.78	2	2.4	51.5
1.6	1	22	0	0	1	2.2	3	2.93	16.5	28.8	0	28.8	33.8	2.3	0	4	0.89	2	2.69	19.4
1.8	4	93	0	0	4	2.3	5	2.46	18.7	32.5	0	32.5	122.1	2.3	0	5	0.72	2	2.23	79.3
2	2.7	84	0	0	2.7	3.1	4	2.67	18.5	36.2	0	36.2	73.6	3.2	0	4	0.8	2	2.45	53.3
2.2	2.5	102	2	0	2.5	4.1	4	2.77	18.7	39.9	2	38	64.8	4.1	0	4	0.84	2	2.56	49.2
2.4	4.3	98	3.9	0	4.3	2.3	5	2.43	18.8	43.7	3.9	39.8	107	2.3	0	5	0.72	1.93	2.22	82.3
2.6	4	93	5.9	0	4	2.3	5	2.45	18.7	47.4	5.9	41.6	95.1	2.4	0	5	0.73	1.9	2.25	75.1
2.8	2.6	209	7.8	0	2.6	8	3	2.96	19.5	51.3	7.8	43.5	58.6	8.2	0	3	0.93	2	2.77	51
3	3.1	169	9.8	0	3.1	5.4	3	2.79	19.3	55.2	9.8	45.4	67.1	5.5	0	4	0.86	1.97	2.59	60.1
3.2	3.5	227	11.8	0	3.5	6.5	3	2.8	19.7	59.1	11.8	47.4	72.7	6.6	0	9	0.87	1.92	2.62	66.1
3.4	3.7	58	13.7	0	3.7	1.6	5	2.37	18.2	62.8	13.7	49	74.2	1.6	0	5	0.72	1.66	2.21	60.6
3.6	3.7	67	15.7	0	3.7	1.8	5	2.41	18.3	66.4	15.7	50.7	71.7	1.8	0	5	0.73	1.64	2.25	59.8
3.8	2.8	53	17.7	0	2.8	1.9	4	2.52	18	70	17.7	52.4	52.2	1.9	0	5	0.78	1.65	2.36	45.1
4	2.1	49	19.6	0	2.1	2.3	4	2.67	17.7	73.6	19.6	54	37.6	2.4	0	4	0.84	1.67	2.52	34
4.2	2.5	49	21.6	0	2.5	2	4	2.57	17.8	77.1	21.6	55.6	43.7	2	0	5	0.8	1.6	2.42	38.8
4.4	2.3	49	23.5	0	2.3	2.1	4	2.62	17.8	80.7	23.5	57.2	38.9	2.2	0	5	0.82	1.58	2.48	35.2
4.6	2.1	67	25.5	0	2.1	3.2	4	2.76	18.1	84.3	25.5	58.8	34.4	3.3	0	4	0.88	1.59	2.62	32.2
4.8	3.1	84	27.5	0	3.1	2.7	4	2.58	18.5	88	27.5	60.6	49.8	2.8	0	4	0.82	1.51	2.46	45.5
5	4.3	124	29.4	0	4.3	2.9	4	2.49	19.1	91.8	29.4	62.4	67.5	2.9	0	5	0.79	1.45	2.38	61.1
5.2	4.2	93	31.4	0	4.2	2.2	5	2.42	18.8	95.6	31.4	64.2	64	2.3	0	5	0.77	1.4	2.32	57.7
5.4	5.9	98	33.4	0	5.9	1.7	5	2.23	18.9	99.4	33.4	66	87.9	1.7	0	5	0.7	1.34	2.14	77.6
5.6	8	107	35.3	0	8	1.3	5	2.07	19.2	103.2	35.3	67.9	116.4	1.4	0	6	0.64	1.28	1.99	101.4
5.8	7.2	120	37.3	0	7.2	1.7	5	2.17	19.3	107.1	37.3	69.8	101.7	1.7	0	5	0.68	1.28	2.09	90.8
6	8.7	160	39.2	0	8.7	1.8	5	2.14	19.7	111	39.2	71.8	119.8	1.9	0	5	0.67	1.25	2.07	107.5
6.2	7.6	209	41.2	0	7.6	2.7	5	2.3	19.9	115	41.2	73.8	101.6	2.8	0	5	0.74	1.25	2.24	93.9
6.4	5.2	71	43.2	0	5.2	1.4	5	2.22	18.5	118.7	43.2	75.5	67.4	1.4	0	5	0.71	1.22	2.16	62.1
6.6	5.5	160	45.1	0	5.5	2.9	5	2.42	19.5	122.6	45.1	77.5	69.5	3	0	5	0.79	1.22	2.36	65.9
6.8	5.8	120	47.1	0	5.8	2.1	5	2.3	19.2	126.4	47.1	79.3	71.6	2.1	0	5	0.75	1.19	2.25	67.6

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	2.6	89	4	2.50E-07	10	36.3	0	0	43	54	14	185.2	3.7	0.3	17.1	169	0	1.7	2	20
0.6	1.9	67	4	1.20E-07	8	26.4	0	0	36	45	14	134.9	2.7	0.3	12.5	157	0	1.6	2	20
0.8	1.5	44	4	9.90E-08	6	20.8	0	0	0	37	14	106.1	2.1	0.3	9.8	144	0	1.4	2.4	20
1	2.5	62	5	4.50E-07	9	34.7	38	36	37	47	0	0	0	0.3	0	159	-0.1	0	0	20
1.2	2.8	76	5	4.80E-07	10	38.9	40	37	41	52	0	0	0	0.3	0	166	-0.1	0	0	20
1.4	2.6	67	5	4.50E-07	9	36	38	36	39	48	0	0	0	0.3	0	162	-0.1	0	0	20
1.6	1	22	4	5.90E-08	4	13.6	0	0	0	26	14	69.4	1.4	0.3	6.4	125	0	1.2	3.1	20
1.8	4	93	5	1.40E-06	13	55.5	48	38	48	61	0	0	0	0.3	0	178	-0.1	0	0	20
2	2.7	84	4	3.20E-07	10	37.3	0	0	42	53	14	190.3	3.8	0.3	17.6	168	0	1.8	2.2	20
2.2	2.5	102	4	1.50E-07	10	34.4	0	0	45	56	14	175.7	3.5	0.3	16.2	172	0	1.7	1.7	20
2.4	4.3	98	5	1.60E-06	13	59.6	49	39	51	64	0	0	0	0.3	0	182	-0.1	0	0	20
2.6	4	93	5	1.30E-06	13	55.4	46	38	49	62	0	0	0	0.3	0	180	-0.1	0	0	20
2.8	2.6	209	3	3.50E-08	12	35.7	0	0	0	76	14	182.2	3.6	0.3	16.8	196	0	1.7	0.9	20
3	3.1	169	4	1.20E-07	12	42.7	0	0	58	73	14	217.6	4.3	0.3	19.8	193	0	1.8	1.3	20
3.2	3.5	227	9	9.50E-08	14	48.2	0	0	0	86	14	245.9	4.7	0.3	21.8	207	0	1.9	1.1	20
3.4	3.7	58	5	1.70E-06	11	51	42	37	43	54	0	0	0	0.3	0	170	-0.1	0	0	20
3.6	3.7	67	5	1.30E-06	12	50.9	41	37	45	57	0	0	0	0.3	0	174	-0.1	0	0	20
3.8	2.8	53	5	6.00E-07	10	38.3	36	36	39	49	0	0	0	0.3	0	163	-0.1	0	0	20
4	2.1	49	4	2.00E-07	8	28.4	0	0	35	44	14	145	2.4	0.3	11.2	156	0	1.5	2.9	20
4.2	2.5	49	5	3.90E-07	9	34	33	35	37	47	0	0	0	0.3	0	161	-0.1	0	0	20
4.4	2.3	49	5	2.60E-07	8	31.1	32	35	37	46	0	0	0	0.3	0	160	-0.1	0	0	20
4.6	2.1	67	4	9.50E-08	9	28.3	0	0	0	50	14	144.3	2.3	0.3	10.6	165	0	1.5	2.1	20
4.8	3.1	84	4	3.00E-07	11	42.2	0	0	49	61	14	215.5	3.2	0.3	15	180	0	1.7	2.5	20
5	4.3	124	5	5.00E-07	15	59	42	37	62	78	0	0	0	0.3	0	200	-0.1	0	0	20
5.2	4.2	93	5	7.70E-07	14	57.5	41	37	56	70	0	0	0	0.3	0	192	-0.1	0	0	20
5.4	5.9	98	5	2.70E-06	17	78.8	47	38	63	79	0	0	0	0.3	0	202	-0.1	0	0	20
5.6	8	107	6	7.80E-06	21	88.7	54	40	71	89	0	0	0	0.3	0	213	-0.1	0	0	20
5.8	7.2	120	5	3.90E-06	21	90.5	51	39	72	91	0	0	0	0.3	0	215	-0.1	0	0	20
6	8.7	160	5	4.50E-06	25	106.5	55	40	85	107	0	0	0	0.3	0	231	-0.2	0	0	20
6.2	7.6	209	5	1.40E-06	24	104.9	52	39	92	115	0	0	0	0.3	0	238	-0.2	0	0	20
6.4	5.2	71	5	2.40E-06	16	70.8	42	37	56	71	0	0	0	0.3	0	194	-0.1	0	0	20
6.6	5.5	160	5	5.80E-07	19	75.4	43	38	77	97	0	0	0	0.3	0	221	-0.2	0	0	20
6.8	5.8	120	5	1.30E-06	18	79.6	44	38	71	89	0	0	0	0.3	0	213	-0.1	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	3.9	124	0	0	3.9	3.2	4	2.55	19.1	7.6	0	7.6	510.7	3.2	0	5	0.74	2	2.34	77.8
0.6	5.6	107	0	0	5.6	1.9	5	2.29	19	11.4	0	11.4	489.1	1.9	0	5	0.64	2	2.07	111.8
0.8	4.2	111	0	0	4.2	2.6	4	2.48	19	15.2	0	15.2	275	2.7	0	5	0.72	2	2.26	83.7
1	2.6	98	0	0	2.6	3.8	4	2.73	18.6	18.9	0	18.9	136.3	3.8	0	4	0.82	2	2.52	51.6
1.2	2.1	58	0	0	2.1	2.8	4	2.72	17.9	22.5	0	22.5	92.2	2.8	0	4	0.81	2	2.49	41.5
1.4	2.1	18	0	0	2.1	0.9	5	2.44	16.6	25.9	0	25.9	80.2	0.9	0	5	0.7	2	2.18	41.5
1.6	4.7	93	0	0	4.7	2	5	2.36	18.8	29.6	0	29.6	157.7	2	0	5	0.68	2	2.13	93.4
1.8	2.5	53	0	0	2.5	2.1	4	2.59	17.9	33.2	0	33.2	74.3	2.1	0	5	0.77	2	2.36	49.3
2	1.8	53	0	0	1.8	2.9	4	2.79	17.8	36.7	0	36.7	48	3	0	4	0.85	2	2.57	35.3
2.2	2.8	36	0	0	2.8	1.3	5	2.43	17.5	40.2	0	40.2	68.6	1.3	0	5	0.71	1.91	2.2	52.6
2.4	2.2	31	0	0	2.2	1.4	5	2.53	17.2	43.7	0	43.7	49.3	1.4	0	5	0.76	1.87	2.32	40.3
2.6	1.6	22	0	0	1.6	1.4	4	2.65	16.7	47	0	47	33	1.4	0	5	0.8	1.83	2.44	28.4
2.8	2.2	71	0	0	2.2	3.2	4	2.75	18.2	50.7	0	50.7	42.4	3.3	0	4	0.85	1.79	2.57	38.4
3	1.4	40	0	0	1.4	2.9	3	2.87	17.4	54.2	0	54.2	24.9	3	0	4	0.91	1.74	2.7	23.5
3.2	3.9	40	2	0	3.9	1	5	2.25	17.8	57.7	2	55.7	68.9	1	0	5	0.68	1.49	2.11	57.3
3.4	5.5	49	3.9	0	5.5	0.9	5	2.09	18.1	61.3	3.9	57.4	94.8	0.9	0	6	0.63	1.42	1.97	77.1
3.6	6.4	89	5.9	0	6.4	1.4	5	2.16	18.9	65.1	5.9	59.2	107	1.4	0	5	0.66	1.41	2.04	89.5
3.8	4.2	67	7.8	0	4.2	1.6	5	2.34	18.4	68.8	7.8	60.9	67.8	1.6	0	5	0.73	1.43	2.22	59.2
4	3.8	80	9.8	0	3.8	2.1	5	2.44	18.5	72.5	9.8	62.7	59.5	2.1	0	5	0.77	1.43	2.33	53.4
4.2	4.1	76	11.8	0	4.1	1.9	5	2.38	18.5	76.2	11.8	64.4	62.5	1.9	0	5	0.75	1.39	2.28	56
4.4	5.1	40	13.7	0	5.1	0.8	5	2.09	17.9	79.8	13.7	66	76.1	0.8	0	6	0.64	1.31	2	65.6
4.6	6.2	102	15.7	0	6.2	1.6	5	2.21	19	83.6	15.7	67.9	90.2	1.7	0	5	0.69	1.31	2.13	80.1
4.8	7.7	93	17.7	0	7.7	1.2	5	2.05	19	87.4	17.7	69.7	109.3	1.2	0	6	0.64	1.26	1.98	95.9
5	5.1	89	19.6	0	5.1	1.7	5	2.29	18.8	91.1	19.6	71.5	70.1	1.8	0	5	0.73	1.28	2.22	64.1
5.2	5.4	116	21.6	0	5.4	2.1	5	2.33	19.1	94.9	21.6	73.3	72.4	2.2	0	5	0.75	1.26	2.27	67
5.4	6.2	49	23.5	0	6.2	0.8	6	2.02	18.2	98.6	23.5	75	81.4	0.8	0	6	0.63	1.2	1.96	73.3
5.6	5.3	98	25.5	0	5.3	1.8	5	2.3	18.9	102.3	25.5	76.8	67.7	1.9	0	5	0.74	1.22	2.24	63.3
5.8	3.2	67	27.5	0	3.2	2.1	4	2.5	18.3	106	27.5	78.5	39.5	2.2	0	5	0.82	1.22	2.45	37.8
6	4.4	98	29.4	0	4.4	2.2	5	2.41	18.8	109.8	29.4	80.3	53.5	2.3	0	5	0.79	1.19	2.37	51.1
6.2	5	98	31.4	0	5	2	5	2.33	18.9	113.5	31.4	82.1	59.6	2	0	5	0.76	1.16	2.29	56.9
6.4	6.1	133	33.4	0	6.1	2.2	5	2.3	19.3	117.4	33.4	84	71.3	2.2	0	5	0.76	1.14	2.26	68.3
6.6	8.1	120	35.3	0	8.1	1.5	5	2.09	19.3	121.3	35.3	85.9	92.9	1.5	0	5	0.68	1.11	2.07	88.5
6.8	9.4	116	37.3	0	9.4	1.2	6	1.99	19.3	125.1	37.3	87.8	105.7	1.2	0	6	0.64	1.09	1.97	100.9

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	3.9	124	5	7.00E-07	13	54.5	47	38	54	68	0	0	0	0.3	0	187	-0.2	0	0	20
0.6	5.6	107	5	4.60E-06	16	69	57	40	55	69	0	0	0	0.3	0	189	-0.2	0	0	20
0.8	4.2	111	5	1.20E-06	13	58.6	49	39	52	66	0	0	0	0.3	0	184	-0.2	0	0	20
1	2.6	98	4	2.00E-07	10	36.1	0	0	45	56	14	184.4	3.7	0.3	17	172	0	1.7	1.8	20
1.2	2.1	58	4	2.40E-07	8	29.1	0	0	35	44	14	148.4	3	0.3	13.7	155	0	1.6	2.5	20
1.4	2.1	18	5	2.00E-06	6	29.7	34	35	24	30	0	0	0	0.3	0	132	0	0	0	20
1.6	4.7	93	5	2.90E-06	14	62.7	52	39	50	63	0	0	0	0.3	0	181	-0.2	0	0	20
1.8	2.5	53	5	6.00E-07	9	34.5	38	36	35	44	0	0	0	0.3	0	155	-0.1	0	0	20
2	1.8	53	4	1.40E-07	7	24.7	0	0	33	41	14	125.9	2.5	0.3	11.6	150	0	1.5	2.3	20
2.2	2.8	36	5	1.80E-06	9	38.6	39	37	32	40	0	0	0	0.3	0	150	-0.1	0	0	20
2.4	2.2	31	5	8.00E-07	7	30.2	34	35	29	37	0	0	0	0.3	0	144	-0.1	0	0	20
2.6	1.6	22	5	3.50E-07	6	21.7	29	34	24	31	0	0	0	0.3	0	134	0	0	0	20
2.8	2.2	71	4	1.40E-07	9	30.1	0	0	40	50	14	153.5	2.7	0.3	12.7	164	0	1.6	2.1	20
3	1.4	40	4	5.70E-08	6	18.8	0	0	0	37	14	96.1	1.7	0.3	7.7	144	0	1.3	2.4	20
3.2	3.9	40	5	3.40E-06	11	50.2	40	37	40	50	0	0	0	0.3	0	167	-0.1	0	0	20
3.4	5.5	49	6	9.10E-06	15	59.4	47	38	47	59	0	0	0	0.3	0	179	-0.1	0	0	20
3.6	6.4	89	5	5.50E-06	18	75.8	51	39	61	76	0	0	0	0.3	0	199	-0.1	0	0	20
3.8	4.2	67	5	1.60E-06	13	57.9	41	37	49	62	0	0	0	0.3	0	182	-0.1	0	0	20
4	3.8	80	5	7.30E-07	13	52.2	39	37	51	64	0	0	0	0.3	0	185	-0.1	0	0	20
4.2	4.1	76	5	1.00E-06	13	56.4	40	37	52	65	0	0	0	0.3	0	186	-0.1	0	0	20
4.4	5.1	40	6	7.60E-06	14	56.7	43	38	45	57	0	0	0	0.3	0	177	-0.1	0	0	20
4.6	6.2	102	5	3.00E-06	18	81.6	48	39	65	82	0	0	0	0.3	0	205	-0.1	0	0	20
4.8	7.7	93	6	8.50E-06	21	84.2	52	39	67	84	0	0	0	0.3	0	209	-0.1	0	0	20
5	5.1	89	5	1.60E-06	16	70.2	43	37	60	75	0	0	0	0.3	0	198	-0.1	0	0	20
5.2	5.4	116	5	1.20E-06	17	74.3	44	38	67	84	0	0	0	0.3	0	208	-0.1	0	0	20
5.4	6.2	49	6	9.90E-06	16	65.7	46	38	52	66	0	0	0	0.3	0	188	-0.1	0	0	20
5.6	5.3	98	5	1.40E-06	17	72.8	43	37	64	80	0	0	0	0.3	0	204	-0.1	0	0	20
5.8	3.2	67	5	3.20E-07	12	43.4	33	35	49	62	0	0	0	0.3	0	182	-0.1	0	0	20
6	4.4	98	5	5.80E-07	15	60.1	38	36	62	77	0	0	0	0.3	0	201	-0.1	0	0	20
6.2	5	98	5	9.60E-07	16	68.5	40	37	64	80	0	0	0	0.3	0	204	-0.1	0	0	20
6.4	6.1	133	5	1.20E-06	20	83.8	44	38	76	95	0	0	0	0.3	0	220	-0.1	0	0	20
6.6	8.1	120	5	4.70E-06	23	98.4	50	39	79	98	0	0	0	0.3	0	224	-0.1	0	0	20
6.8	9.4	116	6	9.20E-06	25	101.3	54	40	81	101	0	0	0	0.3	0	227	-0.1	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	3.3	89	0	0	3.3	2.7	4	2.56	18.6	7.4	0	7.4	442.3	2.7	0	5	0.74	2	2.34	65.9
0.6	2.1	40	0	0	2.1	1.9	4	2.62	17.5	10.9	0	10.9	190.8	1.9	0	5	0.76	2	2.38	41.8
0.8	3.1	58	0	0	3.1	1.9	5	2.48	18.1	14.6	0	14.6	211.8	1.9	0	5	0.71	2	2.25	61.7
1	1.5	36	0	0	1.5	2.4	4	2.8	17.3	18	0	18	82.2	2.4	0	4	0.84	2	2.56	29.6
1.2	1.4	27	0	0	1.4	1.9	4	2.77	16.9	21.4	0	21.4	64.4	2	0	4	0.82	2	2.53	27.6
1.4	0.7	36	0	0	0.7	5.1	3	3.26	17	24.8	0	24.8	27.2	5.3	0	3	1	2	3.04	13.5
1.6	0.5	18	0	0	0.5	3.6	3	3.3	16	28	0	28	16.9	3.8	0	3	1	2	3.08	9.4
1.8	1.2	18	0	0	1.2	1.5	4	2.77	16.4	31.3	0	31.3	37.4	1.5	0	4	0.83	2	2.53	23.4
2	1.2	9	0	0	1.2	0.8	4	2.63	15.6	34.4	0	34.4	33.9	0.8	0	5	0.77	2	2.38	23.3
2.2	0.7	27	0	0	0.7	3.9	3	3.19	16.6	37.7	0	37.7	17.6	4.1	0	3	1	2	2.98	13.2
2.4	0.8	9	0	0	0.8	1.1	4	2.87	15.4	40.8	0	40.8	18.6	1.2	0	4	0.87	2	2.63	15.2
2.6	0.7	13	0	0	0.7	1.9	3	3.02	15.8	44	0	44	14.9	2	0	4	0.94	2	2.8	13.1
2.8	0.9	9	0	0	0.9	1	4	2.8	15.5	47.1	0	47.1	18.1	1.1	0	4	0.86	1.91	2.58	16.3
3	0.5	18	0	0	0.5	3.6	3	3.3	16	50.3	0	50.3	8.9	4	0	3	1	1.99	3.11	8.9
3.2	1	22	2	0	1	2.2	3	2.93	16.5	53.6	2	51.6	18.3	2.3	0	4	0.92	1.84	2.74	17.4
3.4	2.2	27	3.9	0	2.2	1.2	5	2.5	17.1	57	3.9	53.1	40.4	1.3	0	5	0.77	1.63	2.34	34.8
3.6	2	36	5.9	0	2	1.8	4	2.63	17.4	60.5	5.9	54.6	35.5	1.9	0	5	0.82	1.64	2.47	31.8
3.8	2.3	31	7.8	0	2.3	1.3	5	2.51	17.3	63.9	7.8	56.1	39.9	1.4	0	5	0.78	1.57	2.36	35.1
4	2.6	36	9.8	0	2.6	1.4	5	2.47	17.5	67.4	9.8	57.6	44	1.4	0	5	0.77	1.53	2.33	38.7
4.2	2.3	36	11.8	0	2.3	1.6	4	2.54	17.4	70.9	11.8	59.1	37.7	1.6	0	5	0.8	1.52	2.41	33.9
4.4	1.9	27	13.7	0	1.9	1.4	4	2.59	17	74.3	13.7	60.6	30.2	1.5	0	5	0.82	1.51	2.46	27.5
4.6	1.5	49	15.7	0	1.5	3.3	3	2.88	17.6	77.8	15.7	62.1	22.9	3.4	0	4	0.93	1.56	2.76	22.2
4.8	2.1	44	17.7	0	2.1	2.1	4	2.65	17.6	81.4	17.7	63.7	31.7	2.2	0	4	0.85	1.47	2.53	29.6
5	6.2	76	19.6	0	6.2	1.2	5	2.13	18.7	85.1	19.6	65.5	93.4	1.2	0	6	0.66	1.32	2.04	80.9
5.2	4.9	120	21.6	0	4.9	2.4	5	2.4	19.1	88.9	21.6	67.3	71.5	2.5	0	5	0.77	1.35	2.31	65.2
5.4	4.7	67	23.5	0	4.7	1.4	5	2.27	18.4	92.6	23.5	69.1	66.8	1.5	0	5	0.72	1.3	2.18	60.1
5.6	6.9	40	25.5	0	6.9	0.6	6	1.91	18	96.2	25.5	70.7	96.3	0.6	0	6	0.59	1.23	1.84	83.4
5.8	6.3	107	27.5	0	6.3	1.7	5	2.22	19.1	100	27.5	72.5	85.5	1.7	0	5	0.7	1.25	2.15	77.8
6	4.7	93	29.4	0	4.7	2	5	2.36	18.8	103.8	29.4	74.3	61.9	2	0	5	0.76	1.25	2.29	57.7
6.2	7.8	93	31.4	0	7.8	1.2	5	2.05	19	107.6	31.4	76.2	101.1	1.2	0	6	0.65	1.19	1.99	91.8
6.4	7.7	124	33.4	0	7.7	1.6	5	2.14	19.3	111.4	33.4	78.1	97.3	1.6	0	5	0.68	1.18	2.09	90
6.6	5.7	62	35.3	0	5.7	1.1	5	2.13	18.4	115.1	35.3	79.8	70.1	1.1	0	5	0.68	1.17	2.08	65.3
6.8	6.2	31	37.3	0	6.2	0.5	6	1.92	17.6	118.6	37.3	81.4	74.8	0.5	0	6	0.61	1.13	1.88	69

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	3.3	89	5	7.10E-07	11	46.1	43	38	46	57	0	0	0	0.3	0	173	-0.1	0	0	20
0.6	2.1	40	5	5.10E-07	7	29.2	35	35	31	38	0	0	0	0.3	0	147	-0.1	0	0	20
0.8	3.1	58	5	1.30E-06	10	43.2	42	37	38	48	0	0	0	0.3	0	161	-0.1	0	0	20
1	1.5	36	4	1.40E-07	6	20.7	0	0	27	34	14	105.9	2.1	0.3	9.8	140	0	1.4	2.9	20
1.2	1.4	27	4	1.80E-07	5	19.3	0	0	24	31	14	98.5	2	0.3	9.1	133	0	1.4	3.6	20
1.4	0.7	36	3	5.00E-09	4	9.1	0	0	0	29	14	48.2	1	0.3	4.5	129	0	1.1	1.3	20
1.6	0.5	18	3	3.90E-09	3	4.5	0	0	0	21	14	33.7	0.7	0.3	3.1	113	0	1	1.8	20
1.8	1.2	18	4	1.80E-07	5	16.4	0	0	21	26	14	83.5	1.7	0.3	7.7	124	0	1.3	4.5	20
2	1.2	9	5	5.30E-07	4	16.3	26	33	17	21	0	0	0	0.3	0	116	0	0	0	20
2.2	0.7	27	3	8.00E-09	4	8.8	0	0	0	26	14	47.3	0.9	0.3	4.4	123	0	1.1	1.7	20
2.4	0.8	9	4	9.10E-08	3	10.6	0	0	0	19	14	54.2	1.1	0.3	5	110	0	1.1	5.9	20
2.6	0.7	13	4	2.80E-08	3	8.6	0	0	0	20	14	46.9	0.9	0.3	4.3	113	0	1.1	3.5	20
2.8	0.9	9	4	1.30E-07	4	11.9	0	0	16	20	14	60.9	1.2	0.3	5.4	113	0	1.2	6.6	20
3	0.5	18	3	3.20E-09	3	4	0	0	0	21	14	32.1	0.6	0.3	3	113	0	1	1.7	20
3.2	1	22	4	4.30E-08	4	13.3	0	0	0	27	14	67.6	1.2	0.3	5.7	127	0	1.2	3	20
3.4	2.2	27	5	7.10E-07	7	30	32	35	30	37	0	0	0	0.3	0	146	-0.1	0	0	20
3.6	2	36	5	2.80E-07	7	27.2	30	34	32	40	0	0	0	0.3	0	150	-0.1	0	0	20
3.8	2.3	31	5	6.10E-07	8	31.3	32	35	32	40	0	0	0	0.3	0	151	-0.1	0	0	20
4	2.6	36	5	7.40E-07	9	35.5	33	35	35	44	0	0	0	0.3	0	156	-0.1	0	0	20
4.2	2.3	36	5	4.30E-07	8	31.2	31	34	34	42	0	0	0	0.3	0	154	-0.1	0	0	20
4.4	1.9	27	5	3.00E-07	7	25.6	28	33	30	37	0	0	0	0.3	0	146	-0.1	0	0	20
4.6	1.5	49	4	3.70E-08	7	20	0	0	0	42	14	101.8	1.6	0.3	7.3	153	0	1.3	2	20
4.8	2.1	44	4	1.80E-07	8	28.3	0	0	36	45	14	144.4	2.1	0.3	9.8	158	0	1.4	3.2	20
5	6.2	76	6	5.60E-06	17	73	48	39	58	73	0	0	0	0.3	0	196	-0.1	0	0	20
5.2	4.9	120	5	8.30E-07	16	67.4	43	38	65	81	0	0	0	0.3	0	204	-0.1	0	0	20
5.4	4.7	67	5	2.10E-06	14	65.9	41	37	53	66	0	0	0	0.3	0	187	-0.1	0	0	20
5.6	6.9	40	6	2.30E-05	17	62.8	49	39	50	63	0	0	0	0.3	0	185	-0.1	0	0	20
5.8	6.3	107	5	2.60E-06	19	84.8	47	38	68	85	0	0	0	0.3	0	209	-0.1	0	0	20
6	4.7	93	5	9.70E-07	15	64.4	41	37	60	75	0	0	0	0.3	0	198	-0.1	0	0	20
6.2	7.8	93	6	7.90E-06	21	86.3	51	39	69	86	0	0	0	0.3	0	211	-0.1	0	0	20
6.4	7.7	124	5	4.10E-06	22	95.9	51	39	77	96	0	0	0	0.3	0	221	-0.1	0	0	20
6.6	5.7	62	5	4.20E-06	16	70.4	43	38	56	70	0	0	0	0.3	0	194	-0.1	0	0	20
6.8	6.2	31	6	1.80E-05	15	59	44	38	47	59	0	0	0	0.3	0	181	-0.1	0	0	20

	In situ data											Basic output data								
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	3.3	49	0	0	3.3	1.5	5	2.4	17.9	7.2	0	7.2	459.3	1.5	0	5	0.68	2	2.16	65.9
0.6	3.5	36	0	0	3.5	1	5	2.29	17.6	10.7	0	10.7	326.5	1	0	6	0.63	2	2.04	69.8
0.8	4.2	36	0	0	4.2	0.9	5	2.18	17.7	14.2	0	14.2	294.4	0.9	0	6	0.59	2	1.93	83.7
1	3.3	44	0	0	3.3	1.3	5	2.37	17.8	17.8	0	17.8	184.6	1.3	0	5	0.67	2	2.13	65.6
1.2	3	58	0	0	3	1.9	4	2.5	18.1	21.4	0	21.4	139.2	1.9	0	5	0.73	2	2.27	59.6
1.4	2.5	40	0	0	2.5	1.6	5	2.52	17.6	24.9	0	24.9	99.4	1.6	0	5	0.73	2	2.28	49.5
1.6	2.4	40	0	0	2.4	1.7	4	2.54	17.6	28.4	0	28.4	83.4	1.7	0	5	0.74	2	2.3	47.4
1.8	2.7	62	0	0	2.7	2.3	4	2.58	18.1	32	0	32	83.2	2.3	0	5	0.76	2	2.36	53.4
2	2.2	44	0	0	2.2	2	4	2.62	17.6	35.6	0	35.6	60.8	2	0	5	0.78	2	2.39	43.3
2.2	2.2	49	0	0	2.2	2.2	4	2.65	17.8	39.1	0	39.1	55.2	2.3	0	5	0.79	2	2.42	43.2
2.4	2	40	0	0	2	2	4	2.65	17.5	42.6	0	42.6	45.9	2	0	5	0.8	1.97	2.43	38.6
2.6	2.1	67	0	0	2.1	3.2	4	2.76	18.1	46.3	0	46.3	44.4	3.3	0	4	0.85	1.92	2.55	39.4
2.8	3	36	0	0	3	1.2	5	2.38	17.5	49.8	0	49.8	59.3	1.2	0	5	0.72	1.65	2.21	48.7
3	6.6	120	0	0	6.6	1.8	5	2.22	19.2	53.6	0	53.6	122.1	1.8	0	5	0.67	1.52	2.09	99.6
3.2	7.6	93	0	0	7.6	1.2	5	2.06	19	57.4	0	57.4	131.4	1.2	0	6	0.62	1.41	1.95	106.5
3.4	5.4	53	0	0	5.4	1	5	2.12	18.2	61	0	61	87.5	1	0	6	0.65	1.38	2.01	73.5
3.6	3.9	49	0	0	3.9	1.3	5	2.3	18	64.6	0	64.6	59.3	1.3	0	5	0.72	1.37	2.2	52.5
3.8	4.6	40	0	0	4.6	0.9	5	2.15	17.8	68.2	0	68.2	66.5	0.9	0	5	0.67	1.29	2.06	58.6
4	4.4	129	0	0	4.4	2.9	4	2.49	19.1	72	0	72	60.1	3	0	5	0.81	1.3	2.41	56.4
4.2	7.3	129	0	0	7.3	1.8	5	2.18	19.3	75.9	0	75.9	95.2	1.8	0	5	0.7	1.21	2.12	87.5
4.4	11.1	58	0	0	11.1	0.5	6	1.71	18.6	79.6	0	79.6	138.4	0.5	0	6	0.52	1.13	1.67	124.2
4.6	9.3	53	0	0	9.3	0.6	6	1.8	18.4	83.3	0	83.3	110.7	0.6	0	6	0.56	1.11	1.76	102.1
4.8	7.6	62	0	0	7.6	0.8	6	1.96	18.5	87	0	87	86.4	0.8	0	6	0.63	1.09	1.93	82
5	7.8	102	0	0	7.8	1.3	5	2.07	19.1	90.8	0	90.8	84.9	1.3	0	5	0.68	1.07	2.05	82.3
5.2	11.2	93	0	0	11.2	0.8	6	1.83	19.1	94.6	0	94.6	117.3	0.8	0	6	0.59	1.03	1.82	114.7
5.4	8.7	102	0	0	8.7	1.2	6	2.01	19.1	98.5	0	98.5	87.4	1.2	0	6	0.66	1.01	2	86.9
5.6	7.3	111	0	0	7.3	1.5	5	2.14	19.2	102.3	0	102.3	70.4	1.5	0	5	0.72	0.98	2.15	70.8
5.8	8.6	133	0	0	8.6	1.5	5	2.09	19.4	106.2	0	106.2	80	1.6	0	5	0.71	0.96	2.11	81.4
6	9.4	133	0	0	9.4	1.4	5	2.03	19.5	110.1	0	110.1	84.4	1.4	0	5	0.69	0.94	2.06	86.9
6.2	10.1	9	0	0	10.1	0.1	0	1.48	16.4	113.4	0	113.4	88.1	0.1	0	0	0.48	0.94	1.51	94
6.4	10.8	151	0	0	10.8	1.4	6	1.99	19.7	117.3	0	117.3	91.1	1.4	0	6	0.68	0.9	2.02	95.8
6.6	11.2	124	0	0	11.2	1.1	6	1.91	19.5	121.2	0	121.2	91.4	1.1	0	6	0.65	0.88	1.95	97.7
6.8	10.6	36	0	0	10.6	0.3	6	1.63	18	124.8	0	124.8	83.9	0.3	0	6	0.55	0.88	1.68	92.7
8.6	3	44	11.8	0	3	1.5	5	2.43	17.8	158.5	11.8	146.7	19.4	1.5	0	4	0.91	0.71	2.59	20.1
8.8	8.7	147	13.7	0	8.7	1.7	5	2.11	19.6	162.4	13.7	148.7	57.4	1.7	0	5	0.77	0.74	2.22	63
9	12.7	58	15.7	0	12.7	0.5	6	1.63	18.6	166.2	15.7	150.5	83.3	0.5	0	6	0.58	0.79	1.72	98.9
9.2	18.7	116	17.7	0	18.7	0.6	6	1.57	19.6	170.1	17.7	152.4	121.6	0.6	0	6	0.56	0.79	1.65	146.6
9.4	14.1	164	19.6	0	14.1	1.2	6	1.85	19.9	174	19.6	154.4	90.2	1.2	0	6	0.67	0.75	1.94	104.2
9.6	11.7	151	21.6	0	11.7	1.3	6	1.94	19.7	178	21.6	156.4	73.7	1.3	0	5	0.71	0.73	2.04	84
9.8	16.2	107	23.5	0	16.2	0.7	6	1.64	19.4	181.9	23.5	158.3	101.2	0.7	0	6	0.59	0.76	1.73	122.2
10	17.3	213	25.5	0	17.3	1.2	6	1.8	20.2	185.9	25.5	160.4	106.7	1.2	0	6	0.65	0.73	1.9	125.7
10.2	9.9	98	27.5	0	9.9	1	6	1.91	19.1	189.7	27.5	162.3	59.9	1	0	6	0.71	0.71	2.04	69
10.4	12.7	151	29.4	0	12.7	1.2	6	1.89	19.7	193.7	29.4	164.3	76.2	1.2	0	6	0.7	0.71	2	88.6
10.6	14	267	31.4	0	14	1.9	5	2	20.4	197.8	31.4	166.4	83	1.9	0	5	0.74	0.69	2.12	94.7
10.8	10.6	80	33.4	0	10.6	0.8	6	1.82	18.9	201.6	33.4	168.2	61.9	0.8	0	6	0.68	0.7	1.95	73.2
11	7.6	116	35.3	0	7.6	1.5	5	2.12	19.2	205.4	35.3	170.1	43.5	1.6	0	5	0.8	0.65	2.28	48.3
11.2	9.6	84	37.3	0	9.6	0.9	6	1.89	19	209.2	37.3	171.9	54.7	0.9	0	6	0.71	0.68	2.04	63.9
11.4	11.4	31	39.2	0	11.4	0.3	6	1.56	17.9	212.8	39.2	173.5	64.5	0.3	0	6	0.58	0.73	1.7	81.2
11.6	9.6	120	41.2	0	9.6	1.2	6	1.99	19.4	216.7	41.2	175.4	53.5	1.3	0	5	0.75	0.65	2.14	61.5
11.8	18.6	151	43.2	0	18.6	0.8	6	1.65	19.9	220.6	43.2	177.5	103.6	0.8	0	6	0.61	0.7	1.77	129.4
12	20.5	138	45.1	0	20.5	0.7	6	1.57	19.8	224.6	45.1	179.5	113	0.7	0	6	0.58	0.71	1.68	144.5
12.2	21	71	47.1	0	21	0.3	6	1.38	19.1	228.4	47.1	181.3	114.6	0.3	0	6	0.51	0.74	1.49	153.6
12.4	10.7	684	49	0	10.7	6.4	9	2.49	21.4	232.7	49	183.6	57.1	6.5	0	3	0.95	0.56	2.65	58.7
12.6	23.5	338	51	0	23.5	1.4	6	1.77	20.9	236.9	51	185.9	125.2	1.5	0	6	0.66	0.66	1.88	154.5
12.8	33.2	300	53	0	33.2	0.9	6	1.51	20.9	241	53	188.1	175.3	0.9	0	6	0.56	0.7	1.62	231.5

	In situ data										Estimations									
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	3.3	49	5	2.40E-06	10	45.7	43	38	36	46	0	0	0	0.3	0	158	-0.1	0	0	20
0.6	3.5	36	6	5.60E-06	10	41.6	45	38	33	42	0	0	0	0.3	0	152	-0.1	0	0	20
0.8	4.2	36	6	1.20E-05	11	43.4	49	39	35	43	0	0	0	0.3	0	155	-0.1	0	0	20
1	3.3	44	5	3.00E-06	10	44	43	38	35	44	0	0	0	0.3	0	156	-0.1	0	0	20
1.2	3	58	5	1.10E-06	10	41.7	41	37	38	47	0	0	0	0.3	0	160	-0.1	0	0	20
1.4	2.5	40	5	1.10E-06	8	34.7	38	36	32	40	0	0	0	0.3	0	149	-0.1	0	0	20
1.6	2.4	40	5	8.80E-07	8	33.2	37	36	32	40	0	0	0	0.3	0	149	-0.1	0	0	20
1.8	2.7	62	5	6.10E-07	9	37.4	39	37	38	47	0	0	0	0.3	0	160	-0.1	0	0	20
2	2.2	44	5	5.00E-07	8	30.3	35	36	32	40	0	0	0	0.3	0	149	-0.1	0	0	20
2.2	2.2	49	5	4.00E-07	8	30.3	35	36	33	42	0	0	0	0.3	0	151	-0.1	0	0	20
2.4	2	40	5	3.80E-07	7	27.4	33	35	30	38	0	0	0	0.3	0	146	-0.1	0	0	20
2.6	2.1	67	4	1.50E-07	8	28.8	0	0	37	47	14	146.7	2.8	0.3	13	159	0	1.6	2.1	20
2.8	3	36	5	1.70E-06	9	41.3	37	36	35	44	0	0	0	0.3	0	156	-0.1	0	0	20
3	6.6	120	5	4.00E-06	19	83.1	53	40	66	83	0	0	0	0.3	0	206	-0.2	0	0	20
3.2	7.6	93	6	1.10E-05	20	80.1	55	40	64	80	0	0	0	0.3	0	204	-0.1	0	0	20
3.4	5.4	53	6	6.80E-06	15	61.5	46	38	49	61	0	0	0	0.3	0	182	-0.1	0	0	20
3.6	3.9	49	5	1.90E-06	12	55.7	39	37	44	56	0	0	0	0.3	0	174	-0.1	0	0	20
3.8	4.6	40	5	4.80E-06	13	55.6	41	37	44	56	0	0	0	0.3	0	175	-0.1	0	0	20
4	4.4	129	5	4.10E-07	16	60.6	40	37	66	83	0	0	0	0.3	0	206	-0.1	0	0	20
4.2	7.3	129	5	3.20E-06	21	95.4	50	39	76	95	0	0	0	0.3	0	220	-0.1	0	0	20
4.4	11.1	58	6	7.70E-05	24	81.9	60	41	65	82	0	0	0	0.3	0	208	-0.1	0	0	20
4.6	9.3	53	6	4.00E-05	21	76.9	54	40	61	77	0	0	0	0.3	0	202	-0.1	0	0	20
4.8	7.6	62	6	1.20E-05	20	77.6	48	39	62	78	0	0	0	0.3	0	203	-0.1	0	0	20
5	7.8	102	5	5.10E-06	22	93.4	48	39	75	93	0	0	0	0.3	0	219	-0.1	0	0	20
5.2	11.2	93	6	2.70E-05	27	99.6	57	40	79	100	0	0	0	0.3	0	226	-0.1	0	0	20
5.4	8.7	102	6	7.20E-06	24	98	50	39	78	98	0	0	0	0.3	0	224	-0.1	0	0	20
5.6	7.3	111	5	2.70E-06	22	98.1	45	38	78	98	0	0	0	0.3	0	224	-0.1	0	0	20
5.8	8.6	133	5	3.60E-06	25	110	48	39	88	110	0	0	0	0.3	0	236	-0.1	0	0	20
6	9.4	133	5	5.00E-06	26	113.3	50	39	90	113	0	0	0	0.3	0	239	-0.1	0	0	20
6.2	10.1	9	0	0.00E+00	20	60.6	0	0	48	61	0	0	0	0.3	0	190	0	0	0	20
6.4	10.8	151	6	6.30E-06	30	124.6	52	39	99	125	0	0	0	0.3	0	249	-0.1	0	0	20
6.6	11.2	124	6	1.10E-05	29	117.7	53	39	94	118	0	0	0	0.3	0	244	-0.1	0	0	20
6.8	10.6	36	6	6.90E-05	23	79.4	51	39	63	79	0	0	0	0.3	0	208	-0.1	0	0	20
8.6	3	44	4	1.20E-07	12	39.8	0	0	54	68	14	203.1	1.4	0.3	6.6	193	0	1.3	4.5	20
8.8	8.7	147	5	1.60E-06	27	119.6	42	37	102	127	0	0	0	0.3	0	253	-0.1	0	0	20
9	12.7	58	6	5.30E-05	29	99.6	53	40	79	100	0	0	0	0.3	0	229	-0.1	0	0	20
9.2	18.7	116	6	8.40E-05	40	135.3	65	41	108	135	0	0	0	0.3	0	260	-0.2	0	0	20
9.4	14.1	164	6	1.10E-05	37	146.8	55	40	117	147	0	0	0	0.3	0	269	-0.1	0	0	20
9.6	11.7	151	5	5.50E-06	32	138	49	39	110	138	0	0	0	0.3	0	262	-0.1	0	0	20
9.8	16.2	107	6	4.80E-05	37	129.5	59	41	103	129	0	0	0	0.3	0	256	-0.1	0	0	20
10	17.3	213	6	1.50E-05	44	170.7	60	41	136	171	0	0	0	0.3	0	288	-0.2	0	0	20
10.2	9.9	98	6	5.70E-06	27	115.7	44	38	92	116	0	0	0	0.3	0	244	-0.1	0	0	20
10.4	12.7	151	6	7.30E-06	34	142.3	50	39	114	142	0	0	0	0.3	0	266	-0.1	0	0	20
10.6	14	267	5	3.20E-06	41	182.4	52	39	146	182	0	0	0	0.3	0	296	-0.1	0	0	20
10.8	10.6	80	6	1.10E-05	28	110.6	46	38	88	111	0	0	0	0.3	0	239	-0.1	0	0	20
11	7.6	116	5	1.10E-06	25	103.6	37	36	95	119	0	0	0	0.3	0	247	-0.1	0	0	20
11.2	9.6	84	6	5.80E-06	27	111.3	43	37	89	111	0	0	0	0.3	0	240	-0.1	0	0	20
11.4	11.4	31	6	6.30E-05	25	86.2	48	39	69	86	0	0	0	0.3	0	218	-0.1	0	0	20
11.6	9.6	120	5	2.80E-06	28	127.3	42	37	102	127	0	0	0	0.3	0	254	-0.1	0	0	20
11.8	18.6	151	6	3.70E-05	43	155.6	61	41	124	156	0	0	0	0.3	0	277	-0.1	0	0	20
12	20.5	138	6	7.00E-05	45	153.4	64	41	122	153	0	0	0	0.3	0	276	-0.2	0	0	20
12.2	21	71	6	2.70E-04	41	123.20	66	42	98	123	0	0	0	0.3	0	252	-0.2	0	0	20
12.4	10.7	684	3	7.70E-08	44	146.7	0	0	0	271	14	748.4	4.2	0.3	19.4	352	0	1.8	1.1	20
12.6	23.5	338	6	1.70E-05	59	227.8	66	42	182	228	0	0	0	0.3	0	327	-0.2	0	0	20
12.8	33.2	300	6	1.10E-04	70	229.7	81	44	183	230	0	0	0	0.3	0	328	-0.2	0	0	20

	In situ data											Basic output data								
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	3.4	71	0	0	3.4	2.1	5	2.48	18.4	7.3	0	7.3	461.9	2.1	0	5	0.71	2	2.25	67.9
0.6	2.7	40	0	0	2.7	1.5	5	2.47	17.6	10.9	0	10.9	247.5	1.5	0	5	0.7	2	2.23	53.8
0.8	3.1	53	0	0	3.1	1.7	5	2.46	18	14.5	0	14.5	213.3	1.7	0	5	0.7	2	2.22	61.7
1	2.9	27	0	0	2.9	0.9	5	2.34	17.2	17.9	0	17.9	161	0.9	0	5	0.65	2	2.08	57.6
1.2	5.6	107	0	0	5.6	1.9	5	2.29	19	21.7	0	21.7	257	1.9	0	5	0.65	2	2.07	111.6
1.4	7.9	71	0	0	7.9	0.9	6	1.97	18.7	25.4	0	25.4	309.5	0.9	0	6	0.52	2	1.73	157.5
1.6	7.6	116	0	0	7.6	1.5	5	2.12	19.2	29.3	0	29.3	258.5	1.5	0	6	0.59	2	1.91	151.4
1.8	4.5	58	0	0	4.5	1.3	5	2.26	18.2	32.9	0	32.9	135.6	1.3	0	6	0.64	2	2.02	89.3
2	2.1	36	0	0	2.1	1.7	4	2.6	17.4	36.4	0	36.4	56.7	1.7	0	5	0.77	2	2.36	41.3
2.2	2.2	31	0	0	2.2	1.4	5	2.53	17.2	39.9	0	39.9	54.2	1.4	0	5	0.75	1.98	2.3	42.9
2.4	2.4	40	0	0	2.4	1.7	4	2.54	17.6	43.4	0	43.4	54.3	1.7	0	5	0.76	1.89	2.33	44.5
2.6	3.3	53	0	0	3.3	1.6	5	2.42	18	47	0	47	69.2	1.6	0	5	0.73	1.73	2.24	56.3
2.8	5.9	53	0	0	5.9	0.9	5	2.07	18.2	50.6	0	50.6	115.5	0.9	0	6	0.61	1.51	1.92	88.5
3	5.9	107	0	0	5.9	1.8	5	2.26	19	54.4	0	54.4	107.4	1.8	0	5	0.69	1.52	2.12	88.7
3.2	5.4	53	0	0	5.4	1	5	2.12	18.2	58.1	0	58.1	92	1	0	6	0.64	1.42	2	75.7
3.4	6.8	67	0	0	6.8	1	6	2.04	18.6	61.8	0	61.8	109.1	1	0	6	0.62	1.35	1.94	90.8
3.6	9.3	107	0	0	9.3	1.2	6	1.98	19.2	65.6	0	65.6	140.7	1.2	0	6	0.6	1.29	1.9	119.1
3.8	9.7	93	0	0	9.7	1	6	1.91	19.1	69.4	0	69.4	138.7	1	0	6	0.59	1.24	1.84	119.3
4	8.1	147	0	0	8.1	1.8	5	2.15	19.5	73.4	0	73.4	109.4	1.8	0	5	0.68	1.24	2.09	99.2
4.2	6.3	124	0	0	6.3	2	5	2.26	19.2	77.2	0	77.2	80.6	2	0	5	0.73	1.21	2.2	75.1
4.4	6.9	49	0	0	6.9	0.7	6	1.96	18.2	80.8	0	80.8	84.4	0.7	0	6	0.62	1.14	1.91	77.8
4.6	9.8	93	0	0	9.8	0.9	6	1.91	19.1	84.7	0	84.7	114.8	1	0	6	0.61	1.11	1.87	107.5
4.8	15	293	0	0	15	2	6	1.99	20.6	88.8	0	88.8	168	2	0	6	0.65	1.08	1.97	161
5	14.4	249	0	0	14.4	1.7	6	1.96	20.4	92.8	0	92.8	154.1	1.7	0	6	0.64	1.05	1.95	150
5.2	10.8	142	0	0	10.8	1.3	6	1.97	19.6	96.8	0	96.8	110.6	1.3	0	6	0.65	1.02	1.96	109.3
5.4	11.3	187	0	0	11.3	1.7	5	2.02	19.9	100.7	0	100.7	111.2	1.7	0	5	0.67	1	2.03	111.4
5.6	7.6	98	0	0	7.6	1.3	5	2.08	19	104.6	0	104.6	71.7	1.3	0	5	0.7	0.97	2.09	72.7
5.8	7.6	89	0	0	7.6	1.2	5	2.05	18.9	108.3	0	108.3	69.1	1.2	0	5	0.69	0.95	2.07	70.9
6	2.7	62	0	0	2.7	2.3	4	2.58	18.1	112	0	112	23.1	2.4	0	4	0.91	0.9	2.64	23.3
6.2	1.4	44	0	0	1.4	3.1	3	2.89	17.5	115.5	0	115.5	11.1	3.4	0	3	1	0.87	2.99	11.1
6.4	2.3	67	0	0	2.3	2.9	4	2.7	18.1	119.1	0	119.1	18.3	3.1	0	4	0.97	0.84	2.79	18.4
6.6	2.1	58	0	0	2.1	2.8	4	2.72	17.9	122.7	0	122.7	16.1	2.9	0	4	0.99	0.82	2.82	16.2
6.8	3.1	98	0	0	3.1	3.2	4	2.63	18.7	126.4	0	126.4	23.5	3.3	0	4	0.95	0.8	2.72	23.8
8.6	6.5	213	11.8	0	6.5	3.3	5	2.4	19.9	161.3	11.8	149.5	42.4	3.4	0	4	0.89	0.7	2.52	44.4
8.8	9	40	13.7	0	9	0.4	6	1.75	18.1	164.9	13.7	151.2	58.5	0.5	0	6	0.63	0.77	1.86	68
9	19.8	316	15.7	0	19.8	1.6	6	1.85	20.8	169	15.7	153.4	128	1.6	0	6	0.66	0.75	1.93	147.9
9.2	12.5	129	17.7	0	12.5	1	6	1.85	19.5	173	17.7	155.3	79.4	1	0	6	0.67	0.74	1.95	91.8
9.4	13.4	160	19.6	0	13.4	1.2	6	1.87	19.8	176.9	19.6	157.3	84.1	1.2	0	6	0.68	0.73	1.97	97.2
9.6	14.9	196	21.6	0	14.9	1.3	6	1.87	20.1	180.9	21.6	159.4	92.4	1.3	0	6	0.68	0.73	1.97	107.2
9.8	12	53	23.5	0	12	0.4	6	1.64	18.5	184.6	23.5	161.1	73.4	0.4	0	6	0.6	0.75	1.75	88.8
10	16.8	107	25.5	0	16.8	0.6	6	1.62	19.4	188.5	25.5	163	101.9	0.6	0	6	0.59	0.75	1.72	124.8
10.2	10.9	124	27.5	0	10.9	1.1	6	1.92	19.4	192.4	27.5	165	64.9	1.2	0	5	0.71	0.7	2.05	75
10.4	13.8	84	29.4	0	13.8	0.6	6	1.67	19.1	196.2	29.4	166.8	81.6	0.6	0	6	0.61	0.73	1.79	99.4
10.6	17.3	58	31.4	0	17.3	0.3	6	1.44	18.8	200	31.4	168.6	101.5	0.3	0	6	0.52	0.76	1.55	130
10.8	17.3	204	33.4	0	17.3	1.2	6	1.79	20.2	204	33.4	170.7	100.2	1.2	0	6	0.66	0.7	1.9	120.2
11	3.1	200	35.3	0	3.1	6.4	3	2.84	19.5	207.9	35.3	172.6	16.8	6.9	0	3	1	0.58	3.05	16.8
11.2	17.6	253	37.3	0	17.6	1.4	6	1.85	20.5	212	37.3	174.7	99.5	1.5	0	6	0.69	0.68	1.96	118.6
11.4	20.1	222	39.2	0	20.1	1.1	6	1.72	20.4	216.1	39.2	176.9	112.5	1.1	0	6	0.64	0.69	1.84	138.2
11.6	16.6	187	41.2	0	16.6	1.1	6	1.79	20.1	220.1	41.2	178.9	91.6	1.1	0	6	0.67	0.68	1.91	111.1
11.8	23.8	293	43.2	0	23.8	1.2	6	1.71	20.7	224.3	43.2	181.1	130.2	1.2	0	6	0.63	0.69	1.82	161.8
12	22.1	62	45.1	0	22.1	0.3	7	1.31	18.9	228	45.1	182.9	119.6	0.3	0	6	0.48	0.75	1.43	163.3
12.2	8.8	67	47.1	0	8.8	0.8	6	1.89	18.7	231.8	47.1	184.7	46.4	0.8	0	6	0.73	0.64	2.06	54.9
12.4	2	44	49	0	2	2.2	4	2.67	17.6	235.3	49	186.2	9.5	2.5	0	3	1	0.54	2.97	9.5
12.6	2.5	111	51	0	2.5	4.4	3	2.79	18.8	239	51	188	12.1	4.9	0	3	1	0.53	3.06	12.1
12.8	11.9	27	53	0	11.9	0.2	6	1.51	17.7	242.6	53	189.6	61.5	0.2	0	6	0.58	0.69	1.67	80.4
13	10.5	138	54.9	0	10.5	1.3	6	1.98	19.6	246.5	54.9	191.6	53.6	1.3	0	5	0.77	0.61	2.15	62.4

	In situ data			Estimations																
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	3.4	71	5	1.30E-06	11	47.5	44	38	42	53	0	0	0	0.3	0	168	-0.1	0	0	20
0.6	2.7	40	5	1.50E-06	8	37.6	39	37	32	41	0	0	0	0.3	0	150	-0.1	0	0	20
0.8	3.1	53	5	1.60E-06	10	43.2	42	37	37	46	0	0	0	0.3	0	159	-0.1	0	0	20
1	2.9	27	5	4.20E-06	8	36.3	41	37	29	36	0	0	0	0.3	0	144	-0.1	0	0	20
1.2	5.6	107	5	4.60E-06	16	69	56	40	55	69	0	0	0	0.3	0	189	-0.2	0	0	20
1.4	7.9	71	6	4.80E-05	18	63.5	67	42	51	64	0	0	0	0.3	0	183	-0.2	0	0	20
1.6	7.6	116	6	1.40E-05	19	76.3	66	42	61	76	0	0	0	0.3	0	197	-0.2	0	0	20
1.8	4.5	58	6	6.40E-06	12	52	51	39	41	52	0	0	0	0.3	0	167	-0.1	0	0	20
2	2.1	36	5	5.90E-07	7	28.9	34	35	29	37	0	0	0	0.3	0	144	-0.1	0	0	20
2.2	2.2	31	5	9.40E-07	7	30.2	35	36	28	36	0	0	0	0.3	0	142	-0.1	0	0	20
2.4	2.4	40	5	7.50E-07	8	33	36	36	32	40	0	0	0	0.3	0	150	-0.1	0	0	20
2.6	3.3	53	5	1.40E-06	10	45.5	40	37	40	50	0	0	0	0.3	0	165	-0.1	0	0	20
2.8	5.9	53	6	1.30E-05	15	60.3	50	39	48	60	0	0	0	0.3	0	180	-0.1	0	0	20
3	5.9	107	5	3.10E-06	17	77.5	50	39	62	78	0	0	0	0.3	0	200	-0.1	0	0	20
3.2	5.4	53	6	7.30E-06	15	60.7	47	38	48	61	0	0	0	0.3	0	181	-0.1	0	0	20
3.4	6.8	67	6	1.10E-05	18	70.8	51	39	57	71	0	0	0	0.3	0	194	-0.1	0	0	20
3.6	9.3	107	6	1.60E-05	23	91.6	58	40	73	92	0	0	0	0.3	0	216	-0.1	0	0	20
3.8	9.7	93	6	2.30E-05	24	89.3	58	40	71	89	0	0	0	0.3	0	214	-0.1	0	0	20
4	8.1	147	5	4.00E-06	23	102	53	40	81	102	0	0	0	0.3	0	226	-0.2	0	0	20
4.2	6.3	124	5	1.80E-06	19	87.1	46	38	73	91	0	0	0	0.3	0	216	-0.1	0	0	20
4.4	6.9	49	6	1.40E-05	18	69	47	38	55	69	0	0	0	0.3	0	193	-0.1	0	0	20
4.6	9.8	93	6	1.80E-05	24	93.8	55	40	75	94	0	0	0	0.3	0	220	-0.1	0	0	20
4.8	15	293	6	9.10E-06	40	162.9	68	42	130	163	0	0	0	0.3	0	279	-0.2	0	0	20
5	14.4	249	6	1.00E-05	38	152.4	65	42	122	152	0	0	0	0.3	0	271	-0.2	0	0	20
5.2	10.8	142	6	9.70E-06	28	115.6	56	40	92	116	0	0	0	0.3	0	241	-0.1	0	0	20
5.4	11.3	187	5	6.20E-06	31	131.2	56	40	105	131	0	0	0	0.3	0	254	-0.2	0	0	20
5.6	7.6	98	5	3.90E-06	22	95.3	46	38	76	95	0	0	0	0.3	0	222	-0.1	0	0	20
5.8	7.6	89	5	4.40E-06	21	93.1	45	38	74	93	0	0	0	0.3	0	220	-0.1	0	0	20
6	2.7	62	4	8.40E-08	11	36.2	0	0	0	66	14	184.9	1.7	0.3	7.7	189	0	1.3	2.9	20
6.2	1.4	44	3	7.20E-09	7	14.3	0	0	0	51	14	91.8	0.8	0.3	3.7	169	0	1	2	20
6.4	2.3	67	4	3.00E-08	10	30.5	0	0	0	67	14	155.8	1.3	0.3	6.1	190	0	1.2	2.3	20
6.6	2.1	58	4	2.40E-08	10	27.7	0	0	0	63	14	141.2	1.2	0.3	5.3	186	0	1.2	2.4	20
6.8	3.1	98	4	4.80E-08	13	41.6	0	0	0	84	14	212.4	1.7	0.3	7.9	210	0	1.3	2.1	20
8.6	6.5	213	4	1.90E-07	25	88.8	0	0	111	140	14	452.9	3.2	0.3	14.6	262	0	1.6	2.1	20
8.8	9	40	6	2.00E-05	22	83.5	44	38	67	84	0	0	0	0.3	0	213	-0.1	0	0	20
9	19.8	316	6	1.20E-05	51	203.6	65	41	162	204	0	0	0	0.3	0	310	-0.2	0	0	20
9.2	12.5	129	6	1.00E-05	33	131.4	51	39	105	131	0	0	0	0.3	0	257	-0.1	0	0	20
9.4	13.4	160	6	9.00E-06	36	144.9	53	39	116	145	0	0	0	0.3	0	268	-0.1	0	0	20
9.6	14.9	196	6	9.20E-06	39	160.5	55	40	128	161	0	0	0	0.3	0	280	-0.1	0	0	20
9.8	12	53	6	4.20E-05	28	98	50	39	78	98	0	0	0	0.3	0	228	-0.1	0	0	20
10	16.8	107	6	5.40E-05	38	131.4	60	41	105	131	0	0	0	0.3	0	257	-0.1	0	0	20
10.2	10.9	124	5	5.30E-06	30	128.8	46	38	103	129	0	0	0	0.3	0	255	-0.1	0	0	20
10.4	13.8	84	6	3.30E-05	32	117.6	53	40	94	118	0	0	0	0.3	0	246	-0.1	0	0	20
10.6	17.3	58	6	1.70E-04	35	109.6	61	41	87	110	0	0	0	0.3	0	239	-0.1	0	0	20
10.8	17.3	204	6	1.50E-05	44	170.9	59	40	136	171	0	0	0	0.3	0	288	-0.2	0	0	20
11	3.1	200	3	4.90E-09	17	40.6	0	0	0	124	14	207.1	1.2	0.3	5.5	249	0	1.2	1	20
11.2	17.6	253	6	9.50E-06	46	188.5	58	40	150	188	0	0	0	0.3	0	301	-0.2	0	0	20
11.4	20.1	222	6	2.30E-05	49	183.3	63	41	146	183	0	0	0	0.3	0	297	-0.2	0	0	20
11.6	16.6	187	6	1.40E-05	42	166.3	56	40	133	166	0	0	0	0.3	0	285	-0.1	0	0	20
11.8	23.8	293	6	2.60E-05	57	213.1	68	42	170	213	0	0	0	0.3	0	317	-0.2	0	0	20
12	22.1	62	6	4.20E-04	41	119.8	68	42	96	120	0	0	0	0.3	0	249	-0.2	0	0	20
12.2	8.8	67	6	5.00E-06	25	104.40	40	37	83	104	0	0	0	0.3	0	234	-0.1	0	0	20
12.4	2	44	3	8.50E-09	10	16.9	0	0	0	69	14	126.8	0.7	0.3	3.1	195	0	1	2.8	20
12.6	2.5	111	3	4.60E-09	13	27.4	0	0	0	98	14	162.2	0.9	0.3	4	227	0	1.1	1.4	20
12.8	11.9	27	6	7.50E-05	26	87	48	39	69	87	0	0	0	0.3	0	219	-0.1	0	0	20
13	10.5	138	5	2.60E-06	31	140.6	42	37	112	141	0	0	0	0.3	0	266	-0.1	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	1.7	49	0	0	1.7	2.9	4	2.8	17.7	7.1	0	7.1	239.5	2.9	0	4	0.83	2	2.57	33.9
0.6	1.2	27	0	0	1.2	2.3	4	2.87	16.8	10.4	0	10.4	114	2.3	0	4	0.85	2	2.62	23.8
0.8	1.7	31	0	0	1.7	1.8	4	2.69	17.1	13.9	0	13.9	121.6	1.8	0	5	0.79	2	2.44	33.7
1	0.8	22	0	0	0.8	2.8	3	3.06	16.5	17.2	0	17.2	45.6	2.8	0	4	0.93	2	2.82	15.7
1.2	1	27	0	0	1	2.7	3	2.98	16.8	20.5	0	20.5	47.8	2.8	0	4	0.9	2	2.74	19.6
1.4	1.2	49	0	0	1.2	4.1	3	3.02	17.5	24	0	24	49	4.2	0	3	0.93	2	2.79	23.5
1.6	1.6	62	0	0	1.6	3.9	3	2.9	17.9	27.6	0	27.6	57	3.9	0	4	0.89	2	2.68	31.4
1.8	1	49	0	0	1	4.9	3	3.13	17.5	31.1	0	31.1	31.2	5.1	0	3	0.97	2	2.91	19.4
2	0.8	22	0	0	0.8	2.8	3	3.06	16.5	34.4	0	34.4	22.3	2.9	0	4	0.95	2	2.84	15.3
2.2	0.6	13	0	0	0.6	2.2	3	3.11	15.7	37.5	0	37.5	15	2.3	0	3	0.97	2	2.89	11.2
2.4	1.5	22	0	0	1.5	1.5	4	2.69	16.7	40.9	0	40.9	35.7	1.5	0	5	0.8	2	2.44	29.2
2.6	1.7	62	0	0	1.7	3.6	3	2.87	17.9	44.5	0	44.5	37.2	3.7	0	4	0.88	2	2.65	33.1
2.8	0.8	49	0	0	0.8	6.1	3	3.26	17.4	47.9	0	47.9	15.7	6.5	0	3	1	2	3.06	15
3	2.1	53	2	0	2.1	2.5	4	2.7	17.8	51.5	2	49.5	41.4	2.6	0	4	0.83	1.79	2.51	36.7
3.2	2.5	58	3.9	0	2.5	2.3	4	2.61	18	55.1	3.9	51.2	47.8	2.4	0	5	0.81	1.71	2.44	41.9
3.4	1.8	40	5.9	0	1.8	2.2	4	2.72	17.5	58.6	5.9	52.7	33.1	2.3	0	4	0.85	1.72	2.54	29.9
3.6	1.1	18	7.8	0	1.1	1.6	4	2.82	16.3	61.9	7.8	54	19.2	1.7	0	4	0.89	1.73	2.65	18
3.8	1.2	27	9.8	0	1.2	2.2	4	2.87	16.8	65.2	9.8	55.4	20.5	2.4	0	4	0.91	1.71	2.7	19.4
4	1.9	53	11.8	0	1.9	2.8	4	2.76	17.8	68.8	11.8	57	32.2	2.9	0	4	0.87	1.63	2.61	29.9
4.2	2.1	36	13.7	0	2.1	1.7	4	2.6	17.4	72.3	13.7	58.5	34.7	1.8	0	5	0.82	1.55	2.46	31.4
4.4	6.2	80	15.7	0	6.2	1.3	5	2.15	18.7	76	15.7	60.3	101.6	1.3	0	6	0.66	1.39	2.04	85.4
4.6	10.4	53	17.7	0	10.4	0.5	6	1.73	18.5	79.7	17.7	62.1	166.4	0.5	0	6	0.51	1.27	1.64	131.4
4.8	9	9	19.6	0	9	0.1	0	1.54	16.4	83	19.6	63.4	140.8	0.1	0	6	0.43	1.22	1.45	108.8
5	4.9	40	21.6	0	4.9	0.8	5	2.11	17.8	86.6	21.6	65	74.1	0.8	0	6	0.65	1.32	2.02	63.8
5.2	4.1	49	23.5	0	4.1	1.2	5	2.27	18	90.2	23.5	66.6	60.3	1.2	0	5	0.71	1.34	2.18	53.6
5.4	4.1	40	25.5	0	4.1	1	5	2.22	17.8	93.7	25.5	68.2	58.8	1	0	5	0.7	1.31	2.13	52.4
5.6	4.6	36	27.5	0	4.6	0.8	5	2.13	17.7	97.3	27.5	69.8	64.6	0.8	0	6	0.66	1.27	2.05	57.3
5.8	5	80	29.4	0	5	1.6	5	2.28	18.6	101	29.4	71.6	68.6	1.6	0	5	0.73	1.27	2.2	62.5
6	7.8	182	31.4	0	7.8	2.3	5	2.24	19.8	104.9	31.4	73.5	104.7	2.4	0	5	0.72	1.25	2.18	96
6.2	11.7	240	33.4	0	11.7	2.1	5	2.08	20.2	109	33.4	75.6	153.4	2.1	0	5	0.66	1.2	2.03	139.5
6.4	16.5	164	35.3	0	16.5	1	6	1.75	19.9	113	35.3	77.6	211.1	1	0	6	0.54	1.15	1.71	187.9
6.6	15.3	142	37.3	0	15.3	0.9	6	1.75	19.7	116.9	37.3	79.6	190.8	0.9	0	6	0.54	1.13	1.72	171.9
6.8	17.8	156	39.2	0	17.8	0.9	6	1.69	19.9	120.9	39.2	81.7	216.6	0.9	0	6	0.52	1.11	1.66	196.6
8.6	2.9	67	56.9	0	2.9	2.3	4	2.56	18.2	154.7	56.9	97.8	28.2	2.4	0	4	0.88	1.02	2.58	28.1
8.8	1.6	67	58.9	0	1.6	4.2	3	2.92	18	158.3	58.9	99.4	14.6	4.6	0	3	1	1.01	2.98	14.6
9	4.6	124	60.8	0	4.6	2.7	5	2.45	19.1	162.1	60.8	101.3	43.9	2.8	0	4	0.84	0.99	2.47	44
9.2	5.3	169	62.8	0	5.3	3.2	4	2.46	19.5	166	62.8	103.2	49.9	3.3	0	4	0.85	0.97	2.48	50.1
9.4	5.1	164	64.8	0	5.1	3.2	4	2.47	19.5	169.9	64.7	105.1	47	3.3	0	4	0.86	0.96	2.5	47.4
9.6	5.5	160	66.7	0	5.5	2.9	5	2.42	19.5	173.8	66.7	107.1	49.9	3	0	4	0.84	0.94	2.45	50.4
9.8	6.5	173	68.7	0	6.5	2.7	5	2.34	19.6	177.7	68.7	109	58.1	2.7	0	5	0.81	0.93	2.37	59.1
10	4.1	62	70.6	0	4.1	1.5	5	2.33	18.3	181.4	70.6	110.7	35.5	1.6	0	5	0.81	0.92	2.38	36.2
10.2	2.2	49	72.6	0	2.2	2.2	4	2.64	17.8	184.9	72.6	112.3	18.1	2.4	0	4	0.95	0.9	2.73	18.2
10.4	1.3	71	74.6	0	1.3	5.4	3	3.06	18	188.5	74.6	114	9.9	6.3	0	3	1	0.88	3.19	9.9
10.6	1.7	80	76.5	0	1.7	4.7	3	2.93	18.2	192.2	76.5	115.6	13.2	5.3	0	3	1	0.86	3.05	13.2
10.8	1.8	76	78.5	0	1.8	4.2	3	2.88	18.2	195.8	78.5	117.3	13.8	4.7	0	3	1	0.85	3	13.8
11	4.9	67	80.4	0	4.9	1.4	5	2.24	18.4	199.5	80.4	119	39.6	1.4	0	5	0.79	0.87	2.31	41.1
11.2	28.9	733	82.4	0	28.9	2.5	8	1.91	21.6	203.8	82.4	121.4	236.5	2.6	0	8	0.65	0.88	1.95	253
11.4	18.7	173	84.4	0	18.7	0.9	6	1.69	20	207.8	84.4	123.4	149.9	0.9	0	6	0.57	0.89	1.73	164.1
11.6	38.2	120	86.3	0	38.2	0.3	7	1.15	19.9	211.8	86.3	125.5	302.9	0.3	0	7	0.36	0.92	1.17	350.3

	In situ data								Estimations												
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	1.7	80	4	5.10E-08	7	24	0	0	0	47	14	121	2.4	0.3	11.2	159	0	1.5	1.5	20
0.6	1.4	84	3	2.00E-08	7	19	0	0	0	46	14	99	2	0.3	9.2	158	0	1.4	1.2	20
0.8	1.5	67	4	4.20E-08	7	21	0	0	0	43	14	106	2.1	0.3	9.8	153	0	1.4	1.6	20
1	2.3	67	4	2.70E-07	8	32	0	0	38	47	14	163	3.3	0.3	15.1	160	0	1.7	2.4	20
1.2	1.9	53	4	1.90E-07	7	26	0	0	33	41	14	134	2.7	0.3	12.4	151	0	1.6	2.5	20
1.4	1.9	67	4	1.10E-07	8	26	0	0	36	45	14	134	2.7	0.3	12.4	157	0	1.6	2	20
1.6	2.3	84	4	1.60E-07	9	32	0	0	41	51	14	162	3.2	0.3	15	165	0	1.7	1.9	20
1.8	2.5	116	4	1.10E-07	10	35	0	0	47	59	14	176	3.5	0.3	16.3	176	0	1.7	1.5	20
2	2.5	18	5	4.00E-06	7	31	37	36	25	31	0	0	0	0.3	0	136	-0.05	0	0	20
2.2	1.4	13	5	5.90E-07	5	19	28	33	19	24	0	0	0	0.3	0	122	-0.02	0	0	20
2.4	1	18	4	7.90E-08	4	13	0	0	0	25	14	68	1.4	0.3	6.3	122	0	1.2	3.7	20
2.6	0.7	13	4	2.80E-08	3	9	0	0	0	20	14	47	0.9	0.3	4.3	113	0	1.1	3.5	20
2.8	2.4	27	5	1.30E-06	8	33	35	35	29	36	0	0	0	0.3	0	145	-0.06	0	0	20
3	2.8	27	5	2.30E-06	8	39	37	36	31	39	0	0	0	0.3	0	149	-0.06	0	0	20
3.2	3.4	13	6	1.20E-05	9	35	39	37	28	35	0	0	0	0.3	0	144	-0.04	0	0	20
3.4	4.8	62	5	4.30E-06	14	59	46	38	47	59	0	0	0	0.3	0	178	-0.11	0	0	20
3.6	6.3	102	5	4.80E-06	18	77	53	39	61	77	0	0	0	0.3	0	199	-0.14	0	0	20
3.8	5.4	124	5	1.70E-06	17	75	49	39	63	79	0	0	0	0.3	0	202	-0.15	0	0	20
4	6.2	133	5	2.40E-06	19	85	52	39	68	85	0	0	0	0.3	0	208	-0.15	0	0	20
4.2	6.4	107	5	4.00E-06	18	80	51	39	64	80	0	0	0	0.3	0	203	-0.14	0	0	20
4.4	9	107	6	1.50E-05	23	89	59	41	71	89	0	0	0	0.3	0	213	-0.15	0	0	20
4.6	6.2	107	5	3.20E-06	18	81	50	39	64	81	0	0	0	0.3	0	204	-0.14	0	0	20
4.8	7.9	67	6	2.00E-05	19	74	54	40	59	74	0	0	0	0.3	0	197	-0.12	0	0	20
5	11	191	6	9.50E-06	29	118	64	41	94	118	0	0	0	0.3	0	241	-0.18	0	0	20
5.2	14.7	138	6	6.00E-05	33	113	72	42	91	113	0	0	0	0.3	0	238	-0.19	0	0	20
5.4	19.9	240	6	6.20E-05	44	153	83	44	122	153	0	0	0	0.3	0	271	-0.23	0	0	20
5.6	16.5	89	6	2.10E-04	33	101	74	43	81	101	0	0	0	0.3	0	227	-0.19	0	0	20
5.8	19.4	129	6	2.00E-04	39	121	80	43	96	121	0	0	0	0.3	0	245	-0.22	0	0	20
6	16	258	6	1.90E-05	39	151	73	43	121	151	0	0	0	0.3	0	270	-0.21	0	0	20
6.2	11.5	138	6	1.80E-05	29	110	62	41	88	110	0	0	0	0.3	0	234	-0.16	0	0	20
6.4	9.9	107	6	1.60E-05	25	97	57	40	77	97	0	0	0	0.3	0	222	-0.14	0	0	20
6.6	9.7	116	6	1.20E-05	25	100	56	40	80	100	0	0	0	0.3	0	225	-0.14	0	0	20
6.8	16.4	218	6	2.80E-05	39	145	72	42	116	145	0	0	0	0.3	0	265	-0.2	0	0	20
8.6	1.7	80	3	7.50E-09	9	22	0	0	0	61	14	111	1.1	0.3	5.2	182	0	1.2	1.4	20
8.8	3.8	58	5	5.10E-07	13	51	32	35	54	67	0	0	0	0.3	0	190	-0.07	0	0	20
9	2.8	53	4	1.50E-07	11	37	0	0	49	61	14	189	1.8	0.3	8.5	182	0	1.4	3.5	20
9.2	5.8	67	5	2.40E-06	17	79	40	37	63	79	0	0	0	0.3	0	204	-0.08	0	0	20
9.4	9.3	116	6	6.40E-06	25	106	50	39	85	106	0	0	0	0.3	0	232	-0.12	0	0	20
9.6	7.5	169	5	1.10E-06	24	103	44	38	94	117	0	0	0	0.3	0	242	-0.14	0	0	20
9.8	7	67	5	4.90E-06	20	83	43	37	67	83	0	0	0	0.3	0	210	-0.08	0	0	20
10	11.5	67	6	4.20E-05	26	94	55	40	75	94	0	0	0	0.3	0	221	-0.12	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	3.5	22	0	0	3.5	0.6	5	2.18	17	6.8	0	6.8	513	0.6	0	6	0.58	2	1.92	69.9
0.6	4.7	58	0	0	4.7	1.2	5	2.23	18.3	10.5	0	10.5	448.3	1.2	0	6	0.61	2	1.99	93.8
0.8	1.6	36	0	0	1.6	2.3	4	2.76	17.3	13.9	0	13.9	114	2.3	0	4	0.82	2	2.52	31.7
1	0.9	18	0	0	0.9	2	3	2.94	16.3	17.2	0	17.2	51.4	2	0	4	0.89	2	2.7	17.7
1.2	2.1	53	0	0	2.1	2.5	4	2.7	17.8	20.7	0	20.7	100.3	2.5	0	5	0.8	2	2.46	41.6
1.4	2.9	40	0	0	2.9	1.4	5	2.43	17.6	24.3	0	24.3	118.5	1.4	0	5	0.7	2	2.19	57.5
1.6	3.1	62	0	0	3.1	2	4	2.5	18.2	27.9	0	27.9	110.1	2	0	5	0.73	2	2.27	61.4
1.8	2.9	76	0	0	2.9	2.6	4	2.6	18.4	31.6	0	31.6	90.8	2.6	0	5	0.77	2	2.37	57.4
2	6.2	102	0	0	6.2	1.6	5	2.21	19	35.4	0	35.4	174.2	1.7	0	6	0.63	1.93	2	118.8
2.2	7.5	107	0	0	7.5	1.4	5	2.11	19.1	39.2	0	39.2	190.3	1.4	0	6	0.6	1.76	1.93	131.4
2.4	8.1	71	0	0	8.1	0.9	6	1.95	18.7	42.9	0	42.9	187.6	0.9	0	6	0.55	1.6	1.79	128.6
2.6	5.1	62	0	0	5.1	1.2	5	2.2	18.4	46.6	0	46.6	108.4	1.2	0	6	0.65	1.64	2.03	82.8
2.8	6.5	102	0	0	6.5	1.6	5	2.18	19	50.4	0	50.4	127.9	1.6	0	5	0.65	1.56	2.04	100.8
3	9.8	98	0	0	9.8	1	6	1.92	19.1	54.2	0	54.2	179.6	1	0	6	0.57	1.41	1.81	137.7
3.2	11.9	84	0	0	11.9	0.7	6	1.76	19	58.1	0	58.1	204	0.7	0	6	0.51	1.32	1.67	156.5
3.4	8.9	124	0	0	8.9	1.4	5	2.05	19.4	61.9	0	61.9	142.7	1.4	0	6	0.62	1.35	1.95	119.2
3.6	6.3	89	0	0	6.3	1.4	5	2.17	18.9	65.7	0	65.7	94.9	1.4	0	5	0.67	1.33	2.07	82.7
3.8	9.5	124	0	0	9.5	1.3	6	2.01	19.4	69.6	0	69.6	135.5	1.3	0	6	0.62	1.25	1.94	118.2
4	9.8	93	0	0	9.8	0.9	6	1.91	19.1	73.4	0	73.4	132.5	1	0	6	0.59	1.2	1.85	116.7
4.2	13.6	200	0	0	13.6	1.5	6	1.93	20.1	77.4	0	77.4	174.7	1.5	0	6	0.61	1.17	1.88	157.9
4.4	11.4	142	0	0	11.4	1.2	6	1.93	19.6	81.3	0	81.3	139.2	1.3	0	6	0.61	1.13	1.9	128.5
4.6	6.9	98	0	0	6.9	1.4	5	2.14	19	85.1	0	85.1	80	1.4	0	5	0.69	1.12	2.1	76.2
4.8	8.8	53	0	0	8.8	0.6	6	1.83	18.4	88.8	0	88.8	98.1	0.6	0	6	0.58	1.07	1.81	93.3
5	6.9	80	0	0	6.9	1.2	5	2.08	18.8	92.6	0	92.6	73.5	1.2	0	5	0.68	1.05	2.07	71.8
5.2	12.5	116	0	0	12.5	0.9	6	1.82	19.4	96.5	0	96.5	128.6	0.9	0	6	0.59	1.02	1.81	126.7
5.4	14.5	156	0	0	14.5	1.1	6	1.82	19.8	100.4	0	100.4	143.4	1.1	0	6	0.59	1	1.82	143.6
5.6	11.1	196	0	0	11.1	1.8	5	2.05	20	104.4	0	104.4	105.3	1.8	0	5	0.69	0.97	2.06	106.7
5.8	14.2	120	0	0	14.2	0.8	6	1.75	19.5	108.3	0	108.3	130.1	0.9	0	6	0.58	0.95	1.77	134.6
6	15.9	116	0	0	15.9	0.7	6	1.67	19.5	112.2	0	112.2	140.7	0.7	0	6	0.55	0.94	1.69	148.2
6.2	15.1	191	0	0	15.1	1.3	6	1.85	20.1	116.2	0	116.2	128.9	1.3	0	6	0.63	0.91	1.88	136.4
6.4	10.6	147	0	0	10.6	1.4	6	1.99	19.6	120.2	0	120.2	87.2	1.4	0	5	0.68	0.88	2.03	92.4
6.6	3.6	58	0	0	3.6	1.6	5	2.39	18.1	123.8	0	123.8	28.1	1.7	0	5	0.85	0.83	2.47	29
6.8	9.2	111	0	0	9.2	1.2	6	1.99	19.3	127.6	0	127.6	71.1	1.2	0	5	0.7	0.84	2.06	76.5
8.6	14.1	160	0	0	14.1	1.1	6	1.84	19.8	162.2	0	162.2	85.9	1.1	0	6	0.67	0.72	1.95	100.6
8.8	11.4	156	0	0	11.4	1.4	6	1.96	19.7	166.2	0	166.2	67.6	1.4	0	5	0.73	0.69	2.09	77.6
9	10.9	116	0	0	10.9	1.1	6	1.9	19.4	170.1	0	170.1	63.1	1.1	0	6	0.71	0.69	2.04	73.6
9.2	20.5	178	2	0	20.5	0.9	6	1.64	20.1	174.1	2	172.1	118.1	0.9	0	6	0.6	0.72	1.75	146.6
9.4	24.9	302	3.9	0	24.9	1.2	6	1.69	20.8	178.2	3.9	174.3	141.8	1.2	0	6	0.62	0.71	1.79	175.2
9.6	25.3	300	5.9	0	25.3	1.2	6	1.68	20.8	182.4	5.9	176.5	142.3	1.2	0	6	0.62	0.7	1.78	176.9

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	3.5	22	6	1.30E-05	9	35.7	45	38	28	36	0	0	0	0.3	0	143	-0.1	0	0	20
0.6	4.7	58	6	7.90E-06	13	52.5	52	39	42	53	0	0	0	0.3	0	168	-0.1	0	0	20
0.8	1.6	36	4	1.90E-07	6	22.2	0	0	28	35	14	113.3	2.3	0.3	10.5	140	0	1.5	3.1	20
1	0.9	18	4	5.60E-08	4	12.4	0	0	0	24	14	63.1	1.3	0.3	5.8	121	0	1.2	3.4	20
1.2	2.1	53	5	2.90E-07	8	29.1	34	35	34	42	0	0	0	0.3	0	153	-0.1	0	0	20
1.4	2.9	40	5	2.00E-06	9	41.3	41	37	33	41	0	0	0	0.3	0	152	-0.1	0	0	20
1.6	3.1	62	5	1.10E-06	10	43	42	37	39	49	0	0	0	0.3	0	163	-0.1	0	0	20
1.8	2.9	76	5	5.50E-07	10	40.2	40	37	42	52	0	0	0	0.3	0	167	-0.1	0	0	20
2	6.2	102	6	7.20E-06	17	70.2	58	40	56	70	0	0	0	0.3	0	190	-0.2	0	0	20
2.2	7.5	107	6	1.20E-05	19	77.3	61	41	62	77	0	0	0	0.3	0	199	-0.2	0	0	20
2.4	8.1	71	6	3.20E-05	19	70.1	61	41	56	70	0	0	0	0.3	0	192	-0.1	0	0	20
2.6	5.1	62	6	6.00E-06	14	59.5	49	39	47	59	0	0	0	0.3	0	178	-0.1	0	0	20
2.8	6.5	102	5	5.60E-06	18	76.9	54	40	61	77	0	0	0	0.3	0	199	-0.1	0	0	20
3	9.8	98	6	2.90E-05	23	86.5	63	41	69	86	0	0	0	0.3	0	211	-0.2	0	0	20
3.2	11.9	84	6	7.80E-05	26	87.8	67	42	70	88	0	0	0	0.3	0	213	-0.2	0	0	20
3.4	8.9	124	6	1.00E-05	23	94.2	58	40	75	94	0	0	0	0.3	0	218	-0.2	0	0	20
3.6	6.3	89	5	4.40E-06	18	77.5	49	39	62	78	0	0	0	0.3	0	201	-0.1	0	0	20
3.8	9.5	124	6	1.20E-05	25	98.4	58	40	79	98	0	0	0	0.3	0	223	-0.2	0	0	20
4	9.8	93	6	2.20E-05	24	90.7	58	40	72	91	0	0	0	0.3	0	216	-0.1	0	0	20
4.2	13.6	200	6	1.70E-05	34	132.2	67	42	105	132	0	0	0	0.3	0	254	-0.2	0	0	20
4.4	11.4	142	6	1.60E-05	29	112.3	61	41	90	112	0	0	0	0.3	0	237	-0.2	0	0	20
4.6	6.9	98	5	3.60E-06	20	87.9	47	38	70	88	0	0	0	0.3	0	213	-0.1	0	0	20
4.8	8.8	53	6	2.90E-05	21	77.1	52	39	62	77	0	0	0	0.3	0	203	-0.1	0	0	20
5	6.9	80	5	4.70E-06	19	83.9	45	38	67	84	0	0	0	0.3	0	209	-0.1	0	0	20
5.2	12.5	116	6	2.80E-05	30	110.9	60	41	88	111	0	0	0	0.3	0	237	-0.1	0	0	20
5.4	14.5	156	6	2.70E-05	35	129.2	64	41	103	129	0	0	0	0.3	0	253	-0.2	0	0	20
5.6	11.1	196	5	4.90E-06	31	134.3	55	40	107	134	0	0	0	0.3	0	257	-0.2	0	0	20
5.8	14.2	120	6	3.80E-05	33	118.8	62	41	95	119	0	0	0	0.3	0	244	-0.2	0	0	20
6	15.9	116	6	6.40E-05	35	121.3	65	41	97	121	0	0	0	0.3	0	247	-0.2	0	0	20
6.2	15.1	191	6	1.70E-05	38	146.1	62	41	117	146	0	0	0	0.3	0	267	-0.2	0	0	20
6.4	10.6	147	5	5.90E-06	29	123.7	51	39	99	124	0	0	0	0.3	0	249	-0.1	0	0	20
6.6	3.6	58	5	2.70E-07	13	48.7	29	34	57	72	0	0	0	0.3	0	197	-0.1	0	0	20
6.8	9.2	111	5	5.00E-06	26	110.3	47	38	88	110	0	0	0	0.3	0	237	-0.1	0	0	20
8.6	14.1	160	6	1.10E-05	37	147.6	54	40	118	148	0	0	0	0.3	0	270	-0.1	0	0	20
8.8	11.4	156	5	4.10E-06	33	142	47	38	113	142	0	0	0	0.3	0	266	-0.1	0	0	20
9	10.9	116	6	5.80E-06	30	127.1	46	38	101	127	0	0	0	0.3	0	254	-0.1	0	0	20
9.2	20.5	178	6	4.40E-05	47	167.1	65	41	133	167	0	0	0	0.3	0	286	-0.2	0	0	20
9.4	24.9	302	6	3.20E-05	59	215.3	71	42	172	215	0	0	0	0.3	0	319	-0.2	0	0	20
9.6	25.3	300	6	3.40E-05	59	216	71	42	172	216	0	0	0	0.3	0	319	-0.2	0	0	20

	In situ data								Basic output data											
Depth (m)	qc (MPa)	fs (kPa)	u (kPa)	Other	qt (MPa)	Rf (%)	SBT	Ic SBT	γ (kN/m³)	σ,v (kPa)	u0 (kPa)	σ',vo (kPa)	Qt1	Fr (%)	Bq	SBTn	n	Cn	Ic	Qtn
0.4	2.4	62	0	0	2.4	2.6	4	2.66	18.1	7.2	0	7.2	331	2.6	0	5	0.78	2	2.42	47.9
0.6	1.8	44	0	0	1.8	2.4	4	2.74	17.6	10.7	0	10.7	166.6	2.5	0	4	0.81	2	2.5	35.8
0.8	2.7	102	0	0	2.7	3.8	4	2.72	18.7	14.5	0	14.5	185.5	3.8	0	4	0.81	2	2.5	53.7
1	1.3	36	0	0	1.3	2.8	3	2.89	17.2	17.9	0	17.9	71.5	2.8	0	4	0.87	2	2.65	25.6
1.2	1.9	49	0	0	1.9	2.6	4	2.74	17.7	21.5	0	21.5	87.5	2.6	0	4	0.81	2	2.5	37.6
1.4	3.4	27	0	0	3.4	0.8	5	2.24	17.2	24.9	0	24.9	135.5	0.8	0	6	0.62	2	1.99	67.5
1.6	2.5	40	0	0	2.5	1.6	5	2.52	17.6	28.4	0	28.4	86.9	1.6	0	5	0.73	2	2.28	49.4
1.8	2.4	36	0	0	2.4	1.5	5	2.52	17.4	31.9	0	31.9	74.2	1.5	0	5	0.73	2	2.28	47.4
2	2.6	49	0	0	2.6	1.9	4	2.55	17.8	35.5	0	35.5	72.3	1.9	0	5	0.75	2	2.31	51.3
2.2	3.8	40	0	0	3.8	1.1	5	2.27	17.7	39	0	39	96.4	1.1	0	5	0.65	1.84	2.05	69.4
2.4	3.3	31	0	0	3.3	0.9	5	2.29	17.4	42.5	0	42.5	76.6	1	0	5	0.67	1.77	2.09	57.6
2.6	2.2	36	0	0	2.2	1.6	4	2.57	17.4	46	0	46	46.8	1.7	0	5	0.77	1.82	2.37	39.3
2.8	2.9	44	0	0	2.9	1.5	5	2.45	17.7	49.5	0	49.5	57.5	1.5	0	5	0.74	1.68	2.28	48
3	3.1	44	0	0	3.1	1.4	5	2.41	17.8	53.1	0	53.1	57.4	1.4	0	5	0.74	1.59	2.26	48.5
3.2	3.6	36	0	0	3.6	1	5	2.27	17.6	56.6	0	56.6	62.6	1	0	5	0.69	1.48	2.14	52.5
3.4	4.7	71	0	0	4.7	1.5	5	2.28	18.5	60.3	0	60.3	76.9	1.5	0	5	0.71	1.43	2.17	66.3
3.6	4.8	49	0	0	4.8	1	5	2.17	18.1	63.9	0	63.9	74.1	1	0	5	0.67	1.35	2.07	64
3.8	5.6	49	0	0	5.6	0.9	5	2.08	18.1	67.6	0	67.6	81.9	0.9	0	6	0.64	1.29	1.99	71.2
4	6.1	76	0	0	6.1	1.2	5	2.14	18.7	71.3	0	71.3	84.6	1.3	0	5	0.67	1.26	2.07	75.7
4.2	4.5	62	0	0	4.5	1.4	5	2.27	18.3	75	0	75	59	1.4	0	5	0.73	1.23	2.21	54.6
4.4	4.8	58	0	0	4.8	1.2	5	2.22	18.3	78.6	0	78.6	60.1	1.2	0	5	0.71	1.19	2.16	56.1
4.6	4.2	31	0	0	4.2	0.7	5	2.15	17.5	82.1	0	82.1	50.2	0.8	0	5	0.69	1.15	2.1	47.2
4.8	6.6	49	0	0	6.6	0.7	6	1.98	18.2	85.7	0	85.7	76	0.8	0	6	0.64	1.1	1.95	71.8
5	6.3	107	0	0	6.3	1.7	5	2.22	19.1	89.6	0	89.6	69.4	1.7	0	5	0.73	1.08	2.19	67.3
5.2	9.7	98	0	0	9.7	1	6	1.93	19.1	93.4	0	93.4	102.9	1	0	6	0.63	1.04	1.91	100.3
5.4	13.6	107	0	0	13.6	0.8	6	1.75	19.4	97.3	0	97.3	138.8	0.8	0	6	0.56	1.02	1.74	137.2
5.6	8.1	111	0	0	8.1	1.4	5	2.07	19.2	101.1	0	101.1	79.1	1.4	0	5	0.69	0.99	2.08	79.4
5.8	7.7	62	0	0	7.7	0.8	6	1.95	18.5	104.8	0	104.8	72.5	0.8	0	6	0.65	0.97	1.96	73.7
6	3.2	53	0	0	3.2	1.7	5	2.44	18	108.4	0	108.4	28.5	1.7	0	5	0.85	0.93	2.48	28.9
6.2	0.7	111	0	0	0.7	15.9	2	3.57	18.3	112.1	0	112.1	5.2	18.9	0	2	1	0.89	3.71	5.2
6.4	6.2	89	0	0	6.2	1.4	5	2.17	18.9	115.8	0	115.8	52.5	1.5	0	5	0.75	0.9	2.22	54.5
6.6	11.5	102	0	0	11.5	0.9	6	1.83	19.2	119.7	0	119.7	95.1	0.9	0	6	0.62	0.89	1.87	101.7
6.8	5.6	89	0	0	5.6	1.6	5	2.24	18.8	123.4	0	123.4	44.4	1.6	0	5	0.79	0.85	2.3	46.4
8.6	8.4	111	0	0	8.4	1.3	5	2.05	19.2	157.3	0	157.3	52.4	1.3	0	5	0.76	0.71	2.17	58.5
8.8	8.2	142	0	0	8.2	1.7	5	2.14	19.5	161.2	0	161.2	49.9	1.8	0	5	0.79	0.68	2.27	55
9	11.4	124	0	0	11.4	1.1	6	1.9	19.5	165.1	0	165.1	68	1.1	0	6	0.7	0.7	2.02	79.1
9.2	22.9	84	2	0	22.9	0.4	6	1.36	19.3	169	2	167	136.1	0.4	0	6	0.49	0.78	1.45	177
9.4	24.9	293	3.9	0	24.9	1.2	6	1.68	20.8	173.1	3.9	169.2	146.1	1.2	0	6	0.61	0.73	1.78	179.3
9.6	25.1	300	5.9	0	25.1	1.2	6	1.69	20.8	177.3	5.9	171.4	145.4	1.2	0	6	0.61	0.72	1.78	179

	In situ data								Estimations											
Depth (m)	qc (MPa)	fs (kPa)	SBTn	Ksbt (m/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)
0.4	2.4	62	5	3.90E-07	9	33.5	37	36	37	46	0	0	0	0.3	0	159	-0.1	0	0	20
0.6	1.8	44	4	2.20E-07	7	25	0	0	31	38	14	127.8	2.6	0.3	11.8	146	0	1.5	2.8	20
0.8	2.7	102	4	2.20E-07	10	37.6	0	0	46	58	14	191.8	3.8	0.3	17.7	174	0	1.8	1.8	20
1	1.3	36	4	7.80E-08	5	17.9	0	0	0	33	14	91.6	1.8	0.3	8.5	137	0	1.4	2.5	20
1.2	1.9	49	4	2.20E-07	7	26.3	0	0	32	40	14	134.2	2.7	0.3	12.4	149	0	1.6	2.7	20
1.4	3.4	27	6	8.10E-06	9	37.7	44	38	30	38	0	0	0	0.3	0	146	-0.1	0	0	20
1.6	2.5	40	5	1.00E-06	8	34.6	38	36	32	40	0	0	0	0.3	0	149	-0.1	0	0	20
1.8	2.4	36	5	1.10E-06	8	33.2	37	36	30	38	0	0	0	0.3	0	146	-0.1	0	0	20
2	2.6	49	5	8.30E-07	9	35.9	38	36	34	43	0	0	0	0.3	0	154	-0.1	0	0	20
2.2	3.8	40	5	5.20E-06	11	45.5	45	38	36	45	0	0	0	0.3	0	159	-0.1	0	0	20
2.4	3.3	31	5	4.00E-06	9	41.2	41	37	33	41	0	0	0	0.3	0	153	-0.1	0	0	20
2.6	2.2	36	5	5.70E-07	8	30.2	34	35	31	39	0	0	0	0.3	0	148	-0.1	0	0	20
2.8	2.9	44	5	1.10E-06	9	39.9	37	36	37	46	0	0	0	0.3	0	159	-0.1	0	0	20
3	3.1	44	5	1.30E-06	10	42.7	37	36	38	48	0	0	0	0.3	0	162	-0.1	0	0	20
3.2	3.6	36	5	2.90E-06	11	47.7	39	37	38	48	0	0	0	0.3	0	163	-0.1	0	0	20
3.4	4.7	71	5	2.30E-06	14	64.9	44	38	52	65	0	0	0	0.3	0	186	-0.1	0	0	20
3.6	4.8	49	5	4.50E-06	14	58.8	43	37	47	59	0	0	0	0.3	0	179	-0.1	0	0	20
3.8	5.6	49	6	7.70E-06	15	62.2	45	38	50	62	0	0	0	0.3	0	184	-0.1	0	0	20
4	6.1	76	5	4.60E-06	17	74.4	47	38	59	74	0	0	0	0.3	0	198	-0.1	0	0	20
4.2	4.5	62	5	1.70E-06	14	62	39	37	52	65	0	0	0	0.3	0	187	-0.1	0	0	20
4.4	4.8	58	5	2.40E-06	14	65.7	40	37	52	66	0	0	0	0.3	0	188	-0.1	0	0	20
4.6	4.2	31	5	3.60E-06	12	53.2	37	36	42	53	0	0	0	0.3	0	173	0	0	0	20
4.8	6.6	49	6	1.00E-05	17	69.3	45	38	55	69	0	0	0	0.3	0	193	-0.1	0	0	20
5	6.3	107	5	1.90E-06	19	90	44	38	72	90	0	0	0	0.3	0	215	-0.1	0	0	20
5.2	9.7	98	6	1.30E-05	25	97.7	54	40	78	98	0	0	0	0.3	0	224	-0.1	0	0	20
5.4	13.6	107	6	4.60E-05	31	110.1	63	41	88	110	0	0	0	0.3	0	236	-0.2	0	0	20
5.6	8.1	111	5	4.30E-06	23	100.1	48	38	80	100	0	0	0	0.3	0	226	-0.1	0	0	20
5.8	7.7	62	6	9.70E-06	20	82	46	38	65	82	0	0	0	0.3	0	208	-0.1	0	0	20
6	3.2	53	5	2.60E-07	12	43.3	29	34	51	64	0	0	0	0.3	0	187	-0.1	0	0	20
6.2	0.7	111	2	2.50E-10	6	3.1	0	0	0	58	14	42	0.4	0.3	1.7	177	0	0.8	0.4	20
6.4	6.2	89	5	1.60E-06	19	85.2	39	37	73	91	0	0	0	0.3	0	218	-0.1	0	0	20
6.6	11.5	102	6	1.80E-05	29	110	54	40	88	110	0	0	0	0.3	0	237	-0.1	0	0	20
6.8	5.6	89	5	9.00E-07	18	76.7	36	36	73	91	0	0	0	0.3	0	218	-0.1	0	0	20
8.6	8.4	111	5	2.20E-06	25	116.2	41	37	93	116	0	0	0	0.3	0	244	-0.1	0	0	20
8.8	8.2	142	5	1.10E-06	26	112.5	40	37	102	128	0	0	0	0.3	0	254	-0.1	0	0	20
9	11.4	124	6	6.60E-06	31	130	48	38	104	130	0	0	0	0.3	0	256	-0.1	0	0	20
9.2	22.9	84	6	3.40E-04	43	128.9	71	42	103	129	0	0	0	0.3	0	256	-0.2	0	0	20
9.4	24.9	293	6	3.60E-05	58	210.9	72	42	168	211	0	0	0	0.3	0	316	-0.2	0	0	20
9.6	25.1	300	6	3.40E-05	59	214	72	42	171	214	0	0	0	0.3	0	318	-0.2	0	0	20