

CPT	CPT1
Magnitude	6,5
α (NEAK)	0,24
coeff	0,85
a_{max}	0,28

Z water (m)	1,5
γ_w (kN/m ³)	10

GU	γ (kN/m ³)
1	21
2	-
3	-
4	-

P_a (kPa) =	100
n (1.0)	1,0
n (0.5)	0,5

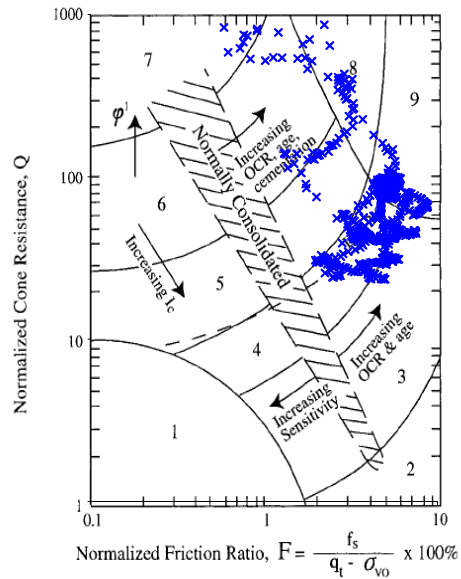
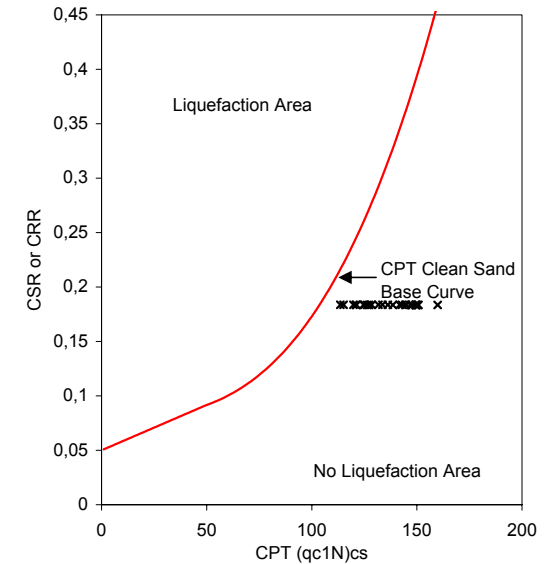
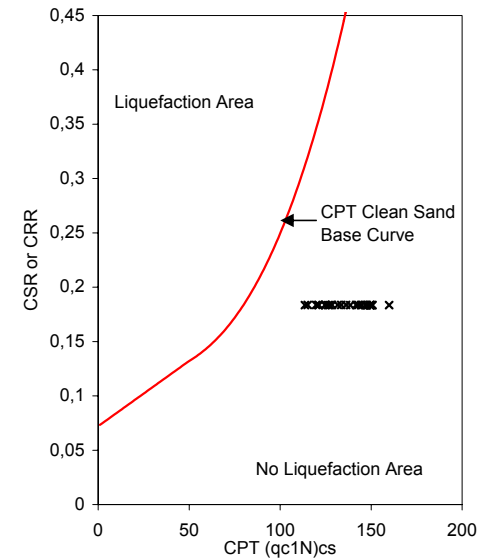
Simplified procedure for Liquefaction evaluation based on the 1996 NCEER and 1998 NCEER/NSF

Limitations:

1. The simplified procedure is verified for depth up to 15m
2. The method is verified for level to gently sloping ground
3. The method is verified for Holocene alluvial or fluvial deposits

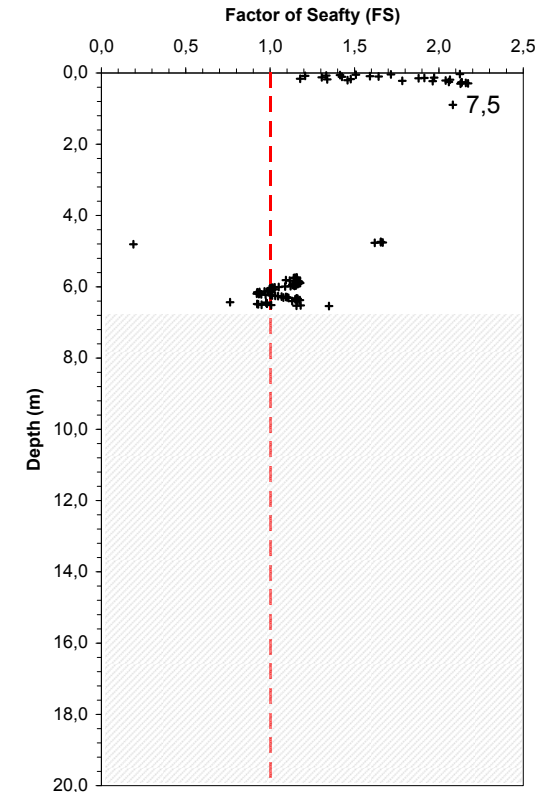
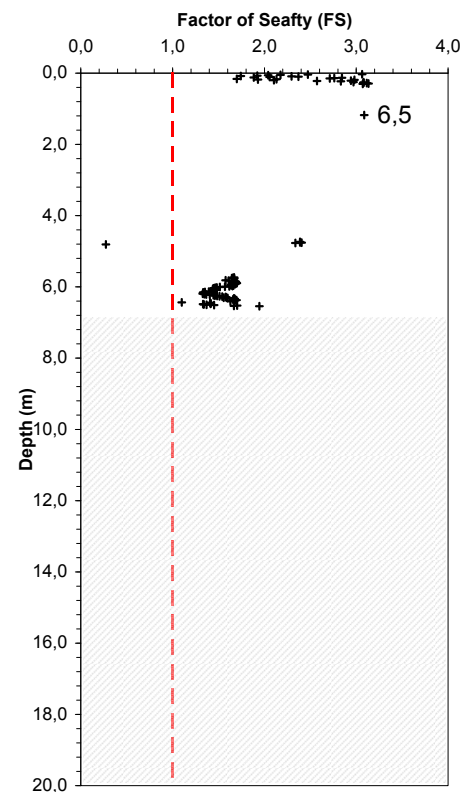
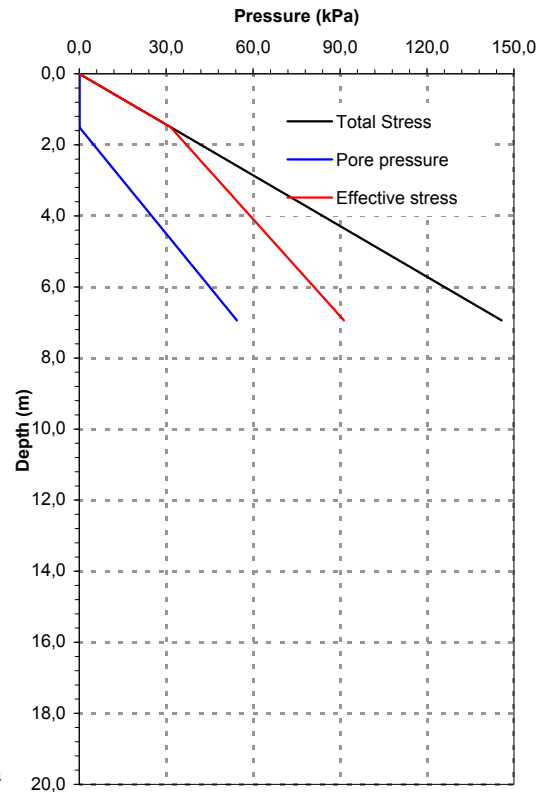
The CPT results are evaluated for earthquake magnitudes stated in the charts

The water table height is based on field observations



1. Sensitive, fine grained
 2. Organic soils - peats
 3. Clays - silty clay to clay
 4. Silt mixtures - clayey silt to silty clay
 5. Sand mixtures - silty sand to sandy silt
 6. Sands - clean sand to silty sand
 7. Gravely sand to dense sand
 8. Very stiff sand to clayey sand*
 9. Very stiff, fine grained*
- *Heavily overconsolidated or cemented

FIG. 5. CPT-Based Soil Behavior-Type Chart Proposed by Robertson (1990)



GU	Depth (m)	qc (MPa)	fs (MPa)	σv (kPa)	u (kPa)	σ'v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	0,010	0,253	0,016	0,21	0,00	0,21	1202,1	6,419	2,06	55,078	2,66	GRANULAR	Plastic	NO LIQUEFACTION	101,959	257,52	3,746	964,68	---	1,001	0,184	---	-10,00
1	0,020	0,539	0,016	0,42	0,00	0,42	1282,3	3,009	1,74	83,090	2,30	GRANULAR	Non Plastic	CHECK LIQUEF.	15,432	83,15	1,948	161,96	---	1,001	0,184	---	---
1	0,030	0,788	0,016	0,63	0,00	0,63	1250,2	2,057	1,58	99,219	2,13	GRANULAR	Non Plastic	CHECK LIQUEF.	12,601	99,30	1,505	149,42	0,3903	1,001	0,184	2,125	3,06
1	0,040	0,727	0,016	0,84	0,00	0,84	865,2	2,230	1,66	79,288	2,22	GRANULAR	Non Plastic	CHECK LIQUEF.	10,913	79,38	1,716	136,23	0,3151	1,001	0,184	1,7158	2,47
1	0,050	0,677	0,016	1,05	0,00	1,05	643,9	2,397	1,73	65,967	2,30	GRANULAR	Non Plastic	CHECK LIQUEF.	9,760	66,07	1,944	128,46	0,2771	1,001	0,184	1,5089	2,18
1	0,060	0,886	0,016	1,26	0,00	1,26	702,1	1,832	1,61	78,804	2,16	GRANULAR	Non Plastic	CHECK LIQUEF.	8,910	78,92	1,579	124,59	0,2599	1,001	0,184	1,4149	2,04
1	0,070	0,967	0,016	1,47	0,00	1,47	656,7	1,679	1,59	79,608	2,13	GRANULAR	Non Plastic	CHECK LIQUEF.	8,249	79,73	1,518	121,01	0,2448	1,001	0,184	1,3329	1,92
1	0,080	0,694	0,016	1,68	0,00	1,68	412,1	2,341	1,80	53,401	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	7,716	53,53	2,151	115,12	0,2219	1,001	0,184	1,2082	1,74
1	0,090	1,468	0,018	1,89	0,00	1,89	776,1	1,211	1,43	106,682	1,94	GRANULAR	Non Plastic	CHECK LIQUEF.	7,275	106,82	1,233	131,67	0,2923	1,001	0,184	1,5917	2,30
1	0,100	1,714	0,016	2,10	0,00	2,10	815,5	0,916	1,31	118,160	1,83	GRANULAR	Non Plastic	CHECK LIQUEF.	6,902	118,30	1,129	133,61	0,3018	1,001	0,184	1,64	2,37
1	0,110	1,704	0,014	2,31	0,00	2,31	736,9	0,802	1,28	111,982	1,81	GRANULAR	Non Plastic	CHECK LIQUEF.	6,580	112,13	1,115	125,07	0,2619	1,001	0,184	1,43	2,06
1	0,120	1,704	0,013	2,52	0,00	2,52	675,5	0,761	1,27	107,206	1,81	GRANULAR	Non Plastic	CHECK LIQUEF.	6,301	107,36	1,116	119,82	0,2400	1,001	0,184	1,31	1,88
1	0,130	2,169	0,020	2,73	0,00	2,73	793,7	0,911	1,31	131,120	1,79	GRANULAR	Non Plastic	CHECK LIQUEF.	6,053	131,28	1,103	144,77	0,3622	1,001	0,184	1,97	2,84
1	0,140	2,448	0,014	2,94	0,00	2,94	832,1	0,589	1,13	142,642	1,65	GRANULAR	Non Plastic	CHECK LIQUEF.	5,833	142,81	1,001	142,93	0,3516	1,001	0,184	1,91	2,76
1	0,150	2,361	0,018	3,15	0,00	3,15	748,7	0,767	1,26	132,859	1,74	GRANULAR	Non Plastic	CHECK LIQUEF.	5,635	133,04	1,066	141,81	0,3452	1,000	0,184	1,88	2,71
1	0,160	1,792	0,015	3,36	0,00	3,36	532,4	0,837	1,36	97,574	1,87	GRANULAR	Non Plastic	CHECK LIQUEF.	5,456	97,76	1,162	113,60	0,2163	1,000	0,184	1,18	1,70
1	0,170	2,213	0,016	3,57	0,00	3,57	619,0	0,728	1,28	116,933	1,77	GRANULAR	Non Plastic	CHECK LIQUEF.	5,293	117,12	1,086	127,21	0,2714	1,000	0,184	1,48	2,13
1	0,180	2,213	0,014	3,78	0,00	3,78	584,5	0,622	1,23	113,628	1,74	GRANULAR	Non Plastic	CHECK LIQUEF.	5,144	113,82	1,065	121,23	0,2457	1,000	0,184	1,34	1,93
1	0,190	2,159	0,037	3,99	0,00	3,99	540,2	1,728	1,63	107,888	2,05	GRANULAR	Non Plastic	CHECK LIQUEF.	5,007	108,09	1,366	147,66	0,3794	1,000	0,184	2,07	2,98
1	0,200	2,189	0,022	4,20	0,00	4,20	520,4	1,018	1,44	106,626	1,89	GRANULAR	Non Plastic	CHECK LIQUEF.	4,880	106,83	1,183	126,40	0,2678	1,000	0,184	1,46	2,10
1	0,210	2,364	0,037	4,41	0,00	4,41	535,3	1,562	1,60	112,386	2,00	GRANULAR	Non Plastic	CHECK LIQUEF.	4,763	112,60	1,304	146,85	0,3745	1,000	0,184	2,04	2,94
1	0,220	2,516	0,028	4,62	0,00	4,62	543,7	1,132	1,47	116,844	1,89	GRANULAR	Non Plastic	CHECK LIQUEF.	4,653	117,06	1,184	138,56	0,3274	1,000	0,184	1,78	2,57
1	0,230	2,620	0,033	4,83	0,00	4,83	541,6	1,273	1,52	119,017	1,92	GRANULAR	Non Plastic	CHECK LIQUEF.	4,551	119,24	1,212	144,47	0,3604	1,000	0,184	1,96	2,83
1	0,240	2,607	0,049	5,04	0,00	5,04	516,4	1,893	1,68	115,902	2,05	GRANULAR	Non Plastic	CHECK LIQUEF.	4,455	116,13	1,377	159,90	0,4602	1,000	0,184	---	---
1	0,250	2,428	0,043	5,25	0,00	5,25	461,7	1,783	1,68	105,760	2,06	GRANULAR	Non Plastic	CHECK LIQUEF.	4,365	105,99	1,391	147,42	0,3780	1,000	0,184	2,06	2,97
1	0,260	1,876	0,050	5,46	0,00	5,46	342,7	2,672	1,89	80,057	2,27	GRANULAR	Non Plastic	CHECK LIQUEF.	4,280	80,29	1,865	149,72	0,3921	1,000	0,184	2,14	3,08
1	0,270	1,707	0,051	5,67	0,00	5,67	300,2	2,976	1,96	71,479	2,34	GRANULAR	Non Plastic	CHECK LIQUEF.	4,200	71,72	2,086	149,63	0,3916	1,000	0,183	2,13	3,08
1	0,280	1,559	0,051	5,88	0,00	5,88	264,3	3,303	2,03	64,070	2,41	GRANULAR	Non Plastic	CHECK LIQUEF.	4,125	64,31	2,338	150,39	0,3964	1,000	0,183	2,16	3,11
1	0,290	1,381	0,051	6,09	0,00	6,09	225,8	3,714	2,11	55,713	2,49	GRANULAR	Non Plastic	CHECK LIQUEF.	4,053	55,96	2,694	150,77	0,3988	1,000	0,183	2,17	3,13
1	0,300	1,145	0,049	6,30	0,00	6,30	180,8	4,284	2,21	45,375	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	3,985	45,63	3,276	149,48	0,3906	1,000	0,183	2,13	3,07
1	0,310	0,967	0,053	6,51	0,00	6,51	147,5	5,528	2,35	37,632	2,73	GRANULAR	Plastic	NO LIQUEFACTION	7,761	75,01	4,202	315,23	---	1,000	0,183	---	-10,00
1	0,320	1,088	0,052	6,72	0,00	6,72	160,9	4,824	2,28	41,709	2,65	GRANULAR	Plastic	NO LIQUEFACTION	7,578	82,44	3,675	302,96	---	0,999	0,183	---	-10,00
1	0,330	1,054	0,053	6,93	0,00	6,93	151,2	5,023	2,31	39,785	2,68	GRANULAR	Plastic	NO LIQUEFACTION	7,406	78,06	3,861	301,36	---	0,999	0,183	---	-10,00
1	0,340	1,034	0,053	7,14	0,00	7,14	143,8	5,122	2,33	38,431	2,70	GRANULAR	Plastic	NO LIQUEFACTION	7,242	74,87	3,979	297,89	---	0,999	0,183	---	-10,00
1	0,350	1,014	0,055	7,35	0,00	7,35	137,0	5,495	2,37	37,125	2,73	GRANULAR	Plastic	NO LIQUEFACTION	7,086	71,83	4,220	303,08	---	0,999	0,183	---	-10,00
1	0,360	0,950	0,054	7,56	0,00	7,56	124,7	5,698	2,41	34,271	2,77	GRANULAR	Plastic	NO LIQUEFACTION	6,938	65,89	4,499	296,40	---	0,999	0,183	---	-10,00
1	0,370	0,916	0,052	7,77	0,00	7,77	116,9	5,737	2,43	32,588	2,78	GRANULAR	Plastic	NO LIQUEFACTION	6,797	62,26	4,641	288,93	---	0,999	0,183	---	-10,00
1	0,380	0,903	0,047	7,98	0,00	7,98	112,1	5,219	2,40	31,672	2,76	GRANULAR	Plastic	NO LIQUEFACTION	6,662	60,13	4,476	269,11	---	0,999	0,183	---	-10,00
1	0,390	0,882	0,049	8,19	0,00	8,19	106,8	5,574	2,44	30,550	2,79	GRANULAR	Plastic	NO LIQUEFACTION	6,533	57,65	4,733	272,82	---	0,999	0,183	---	-10,00
1	0,400	0,879	0,048	8,40	0,00	8,40	103,7	5,492	2,44	30,042	2,79	GRANULAR	Plastic	NO LIQUEFACTION	6,411	56,35	4,738	266,98	---	0,999	0,183	---	-10,00
1	0,410	0,852	0,042	8,61	0,00	8,61	98,0	4,944	2,42	28,748	2,78	GRANULAR	Plastic	NO LIQUEFACTION	6,293	53,62	4,588	246,02	---	0,999	0,183	---	-10,00
1	0,420	0,842	0,041	8,82	0,00	8,82	94,5	4,923	2,43	28,057	2,78	GRANULAR	Plastic	NO LIQUEFACTION	6,180	52,03	4,641	241,49	---	0,999	0,183	---	-10,00
1	0,430	0,771	0,039	9,03	0,00	9,03	84,432	5,054	2,47	25,368	2,82	GRANULAR	Plastic	NO LIQUEFACTION	6,072	46,83	4,980	233,22	---	0,999	0,183	---	-10,00
1	0,440	0,768	0,037	9,24	0,00	9,24	82,126	4,899	2,46	24,960	2,82	GRANULAR	Plastic	NO LIQUEFACTION	5,968	45,83	4,945	226,62	---	0,999	0,183	---	-10,00
1	0,450	0,785	0,035	9,45	0,00	9,45	82,061	4,471	2,43	25,222	2,79	GRANULAR	Plastic	NO LIQUEFACTION	5,869	46,05	4,688	215,86	---	0,999	0,183	---	-10,00
1	0,460	0,788	0,033	9,66	0,00	9,66	80,604	4,218	2,42	25,048	2,77	GRANULAR	Plastic	NO LIQUEFACTION	5,773	45,49	4,566	207,73	---	0,998	0,183	---	-10,00
1	0,470	0,768	0,031	9,87	0,00	9,87	76,820	4,091	2,42	24,130	2,78	GRANULAR	Plastic	NO LIQUEFACTION	5,680	43,61	4,594	200,37	---	0,998	0,183	---	-10,00
1	0,480	0,744	0,029	10,08	0,00	10,08	72,859	3,915	2,42	23,128	2,78	GRANULAR	Plastic	NO LIQUEFACTION	5,591	41,61	4,605	191,63	---	0,998	0,183	---	-10,00
1	0,490	0,731	0,029	10,29	0,00	10,29	70,043	3,988	2,44	22,465	2,79	GRANULAR	Plastic	NO LIQUEFACTION	5,505	40,23	4,728	190,24	---	0,998	0,183	---	-10,00
1	0,500	0,721	0,026	10,50	0,00	10,50	67,659	3,727	2,43	21,920	2,78	GRANULAR	Plastic	NO LIQUEFACTION	5,423	39,08	4,637	181,22	---	0,998	0,183	---	-10,00
1	0,510	0,724	0,025	10,71	0,00	10,71	66,627	3,488	2,41	21,801	2,77	GRANULAR	Plastic	NO LIQUEFACTION	5,343	38,68	4,501	174,13	---	0,998	0,183	---	-10,00
1	0,520	0,684	0,024	10,92	0,00	10,92	61,625	3,530	2,44	20,361	2,79	GRANULAR	Plastic	NO LIQUEFACTION	5,266	36,00	4,717	169,81	---	0,998	0,183	---	-10,00
1	0,530	0,636	0,024	11,13	0,00	11,13	56,206	3,759	2,49	18,748	2,84	GRANULAR	Plastic	NO LIQUEFACTION	5,191	33,04	5,109	168,79	---	0,998	0,183	---	-10,00
1	0,540	0,606	0,024	11,34	0,0																		

GU	Depth (m)	qc (MPa)	fs (MPa)	σv (kPa)	u (kPa)	σ'v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	0,640	0,478	0,014	13,44	0,00	13,44	34,593	3,060	2,58	12,680	2,92	GRANULAR	Plastic	NO LIQUEFACTION	4,506	21,55	5,872	126,53	0,2684	0,997	0,183	---	-10,00
1	0,650	0,471	0,013	13,65	0,00	13,65	33,552	2,859	2,57	12,394	2,91	GRANULAR	Plastic	NO LIQUEFACTION	4,454	21,00	5,781	121,41	0,2464	0,997	0,183	---	-10,00
1	0,660	0,461	0,012	13,86	0,00	13,86	32,299	2,774	2,57	12,023	2,91	GRANULAR	Plastic	NO LIQUEFACTION	4,403	20,32	5,814	118,12	0,2333	0,997	0,183	---	-10,00
1	0,670	0,461	0,012	14,07	0,00	14,07	31,802	2,574	2,56	11,927	2,90	GRANULAR	Plastic	NO LIQUEFACTION	4,354	20,09	5,660	113,71	0,2167	0,997	0,183	---	-10,00
1	0,680	0,471	0,011	14,28	0,00	14,28	32,027	2,370	2,53	12,101	2,87	GRANULAR	Plastic	NO LIQUEFACTION	4,306	20,30	5,418	110,00	0,2038	0,997	0,183	---	-10,00
1	0,690	0,475	0,010	14,49	0,00	14,49	31,781	2,206	2,51	12,096	2,85	GRANULAR	Plastic	NO LIQUEFACTION	4,259	20,22	5,261	106,39	0,1920	0,997	0,183	---	-10,00
1	0,700	0,468	0,009	14,70	0,00	14,70	30,854	2,042	2,50	11,828	2,84	GRANULAR	Plastic	NO LIQUEFACTION	4,213	19,72	5,168	101,94	0,1785	0,997	0,183	---	-10,00
1	0,710	0,471	0,009	14,91	0,00	14,91	30,632	1,979	2,50	11,826	2,84	GRANULAR	Plastic	NO LIQUEFACTION	4,169	19,65	5,103	100,29	0,1738	0,997	0,183	---	-10,00
1	0,720	0,465	0,009	15,12	0,00	15,12	29,747	2,008	2,51	11,565	2,85	GRANULAR	Plastic	NO LIQUEFACTION	4,125	19,17	5,208	99,85	0,1726	0,996	0,183	---	-10,00
1	0,730	0,471	0,009	15,33	0,00	15,33	29,765	2,077	2,52	11,652	2,85	GRANULAR	Plastic	NO LIQUEFACTION	4,083	19,25	5,255	101,15	0,1763	0,996	0,183	---	-10,00
1	0,740	0,475	0,010	15,53	0,00	15,53	29,566	2,209	2,54	11,653	2,87	GRANULAR	Plastic	NO LIQUEFACTION	4,041	19,19	5,389	103,42	0,1829	0,996	0,183	---	-10,00
1	0,750	0,471	0,011	15,74	0,00	15,74	28,945	2,325	2,56	11,485	2,89	GRANULAR	Plastic	NO LIQUEFACTION	4,001	18,86	5,554	104,77	0,1869	0,996	0,183	---	-10,00
1	0,760	0,475	0,011	15,95	0,00	15,95	28,762	2,407	2,57	11,488	2,89	GRANULAR	Plastic	NO LIQUEFACTION	3,961	18,81	5,634	105,96	0,1907	0,996	0,183	---	-10,00
1	0,770	0,485	0,011	16,16	0,00	16,16	29,000	2,453	2,57	11,660	2,89	GRANULAR	Plastic	NO LIQUEFACTION	3,923	19,02	5,626	107,02	0,1940	0,996	0,183	---	-10,00
1	0,780	0,488	0,012	16,37	0,00	16,37	28,821	2,485	2,58	11,663	2,90	GRANULAR	Plastic	NO LIQUEFACTION	3,885	18,97	5,656	107,29	0,1949	0,996	0,183	---	-10,00
1	0,790	0,482	0,012	16,58	0,00	16,58	28,038	2,475	2,59	11,418	2,90	GRANULAR	Plastic	NO LIQUEFACTION	3,848	18,53	5,721	106,01	0,1908	0,996	0,183	---	-10,00
1	0,800	0,465	0,011	16,79	0,00	16,79	26,672	2,420	2,60	10,931	2,91	GRANULAR	Plastic	NO LIQUEFACTION	3,812	17,71	5,823	103,16	0,1821	0,996	0,183	---	-10,00
1	0,810	0,451	0,010	17,00	0,00	17,00	25,538	2,247	2,59	10,531	2,91	GRANULAR	Plastic	NO LIQUEFACTION	3,776	17,04	5,784	98,57	0,1691	0,996	0,183	---	-10,00
1	0,820	0,441	0,011	17,21	0,00	17,21	24,628	2,679	2,65	10,218	2,96	CLAYEY	Plastic	NO LIQUEFACTION	3,742	16,51	6,326	104,42	0,1859	0,996	0,183	---	-10,00
1	0,830	0,438	0,010	17,42	0,00	17,42	24,126	2,485	2,64	10,071	2,95	CLAYEY	Plastic	NO LIQUEFACTION	3,708	16,23	6,191	100,51	0,1744	0,996	0,183	---	-10,00
1	0,840	0,441	0,011	17,63	0,00	17,63	24,018	2,518	2,64	10,086	2,95	CLAYEY	Plastic	NO LIQUEFACTION	3,675	16,21	6,219	100,81	0,1753	0,996	0,183	---	-10,00
1	0,850	0,451	0,012	17,84	0,00	17,84	24,289	2,668	2,66	10,260	2,96	CLAYEY	Plastic	NO LIQUEFACTION	3,642	16,44	6,299	103,54	0,1832	0,995	0,183	---	-10,00
1	0,860	0,461	0,012	18,05	0,00	18,05	24,555	2,762	2,66	10,433	2,96	CLAYEY	Plastic	NO LIQUEFACTION	3,611	16,66	6,324	105,34	0,1887	0,995	0,183	---	-10,00
1	0,870	0,485	0,013	18,26	0,00	18,26	25,552	2,720	2,64	10,920	2,94	CLAYEY	Plastic	NO LIQUEFACTION	3,579	17,36	6,113	106,11	0,1911	0,995	0,183	---	-10,00
1	0,880	0,596	0,013	18,47	0,00	18,47	31,266	2,314	2,53	13,438	2,83	GRANULAR	Plastic	NO LIQUEFACTION	3,549	21,15	5,021	106,22	0,1915	0,995	0,183	---	-10,00
1	0,890	0,633	0,013	18,68	0,00	18,68	32,886	2,139	2,49	14,215	2,79	GRANULAR	Plastic	NO LIQUEFACTION	3,519	22,28	4,683	104,33	0,1856	0,995	0,183	---	-10,00
1	0,900	0,616	0,013	18,89	0,00	18,89	31,618	2,238	2,52	13,744	2,81	GRANULAR	Plastic	NO LIQUEFACTION	3,489	21,51	4,879	104,93	0,1874	0,995	0,183	---	-10,00
1	0,910	0,599	0,014	19,10	0,00	19,10	30,378	2,342	2,54	13,278	2,83	GRANULAR	Plastic	NO LIQUEFACTION	3,461	20,74	5,086	105,50	0,1892	0,995	0,183	---	-10,00
1	0,920	0,589	0,014	19,31	0,00	19,31	29,514	2,503	2,57	12,971	2,86	GRANULAR	Plastic	NO LIQUEFACTION	3,432	20,23	5,310	107,41	0,1952	0,995	0,183	---	-10,00
1	0,930	0,589	0,014	19,52	0,00	19,52	29,186	2,543	2,58	12,896	2,87	GRANULAR	Plastic	NO LIQUEFACTION	3,405	20,07	5,366	107,66	0,1961	0,995	0,183	---	-10,00
1	0,940	0,583	0,015	19,73	0,00	19,73	28,524	2,615	2,60	12,671	2,88	GRANULAR	Plastic	NO LIQUEFACTION	3,377	19,68	5,490	108,03	0,1972	0,995	0,183	---	-10,00
1	0,950	0,579	0,015	19,94	0,00	19,94	28,044	2,754	2,62	12,524	2,90	CLAYEY	Plastic	NO LIQUEFACTION	3,351	19,41	5,653	109,72	0,2028	0,995	0,183	---	-10,00
1	0,960	0,579	0,016	20,15	0,00	20,15	27,741	2,876	2,63	12,454	2,91	CLAYEY	Plastic	NO LIQUEFACTION	3,325	19,26	5,779	111,29	0,2082	0,995	0,183	---	-10,00
1	0,970	0,579	0,017	20,36	0,00	20,36	27,445	2,958	2,64	12,385	2,92	CLAYEY	Plastic	NO LIQUEFACTION	3,299	19,11	5,869	112,15	0,2112	0,995	0,183	---	-10,00
1	0,980	0,576	0,017	20,57	0,00	20,57	26,991	3,059	2,66	12,243	2,93	CLAYEY	Plastic	NO LIQUEFACTION	3,274	18,85	5,996	113,03	0,2143	0,994	0,183	---	-10,00
1	0,990	0,566	0,017	20,78	0,00	20,78	26,222	3,200	2,68	11,954	2,95	CLAYEY	Plastic	NO LIQUEFACTION	3,249	18,38	6,200	113,95	0,2176	0,994	0,182	---	-10,00
1	1,000	0,566	0,018	20,99	0,00	20,99	25,950	3,325	2,69	11,890	2,96	CLAYEY	Plastic	NO LIQUEFACTION	3,224	18,24	6,323	115,34	0,2227	0,994	0,182	---	-10,00
1	1,010	0,573	0,019	21,20	0,00	21,20	26,001	3,490	2,71	11,973	2,97	CLAYEY	Plastic	NO LIQUEFACTION	3,200	18,32	6,429	117,80	0,2320	0,994	0,182	---	-10,00
1	1,020	0,579	0,021	21,41	0,00	21,41	26,051	3,691	2,72	12,055	2,98	CLAYEY	Plastic	NO LIQUEFACTION	3,177	18,40	6,561	120,73	0,2437	0,994	0,182	---	-10,00
1	1,030	0,583	0,021	21,62	0,00	21,62	25,944	3,752	2,73	12,064	2,99	CLAYEY	Plastic	NO LIQUEFACTION	3,154	18,37	6,604	121,34	0,2461	0,994	0,182	---	-10,00
1	1,040	0,583	0,022	21,83	0,00	21,83	25,685	3,995	2,75	12,001	3,01	CLAYEY	Plastic	NO LIQUEFACTION	3,131	18,24	6,807	124,16	0,2580	0,994	0,182	---	-10,00
1	1,050	0,586	0,023	22,04	0,00	22,04	25,583	4,134	2,76	12,011	3,01	CLAYEY	Plastic	NO LIQUEFACTION	3,108	18,21	6,905	125,78	0,2651	0,994	0,182	---	-10,00
1	1,060	0,583	0,024	22,25	0,00	22,25	25,181	4,362	2,78	11,879	3,03	CLAYEY	Plastic	NO LIQUEFACTION	3,086	17,98	7,112	127,89	0,2745	0,994	0,182	---	-10,00
1	1,070	0,576	0,025	22,46	0,00	22,46	24,637	4,540	2,80	11,677	3,05	CLAYEY	Plastic	NO LIQUEFACTION	3,065	17,65	7,306	128,94	0,2794	0,994	0,182	---	-10,00
1	1,080	0,566	0,026	22,67	0,00	22,67	23,954	4,876	2,83	11,406	3,08	CLAYEY	Plastic	NO LIQUEFACTION	3,043	17,22	7,632	131,41	0,2911	0,994	0,182	---	-10,00
1	1,090	0,559	0,026	22,88	0,00	22,88	23,431	4,898	2,84	11,208	3,08	CLAYEY	Plastic	NO LIQUEFACTION	3,023	16,90	7,720	130,44	0,2864	0,994	0,182	---	-10,00
1	1,100	0,562	0,027	23,09	0,00	23,09	23,354	4,996	2,85	11,223	3,09	CLAYEY	Plastic	NO LIQUEFACTION	3,002	16,88	7,780	131,34	0,2907	0,994	0,182	---	-10,00
1	1,110	0,569	0,027	23,30	0,00	23,30	23,424	4,897	2,84	11,307	3,08	CLAYEY	Plastic	NO LIQUEFACTION	2,982	16,97	7,682	130,36	0,2860	0,993	0,182	---	-10,00
1	1,120	0,583	0,027	23,51	0,00	23,51	23,779	4,743	2,82	11,530	3,07	CLAYEY	Plastic	NO LIQUEFACTION	2,962	17,25	7,497	129,35	0,2813	0,993	0,182	---	-10,00
1	1,130	0,579	0,026	23,72	0,00	23,72	23,418	4,735	2,83	11,406	3,07	CLAYEY	Plastic	NO LIQUEFACTION	2,942	17,04	7,536	128,42	0,2770	0,993	0,182	---	-10,00
1	1,140	0,589	0,025	23,93	0,00	23,93	23,625	4,415	2,81	11,558	3,05	CLAYEY	Plastic	NO LIQUEFACTION	2,923	17,22	7,259	125,04	0,2618	0,993	0,182	---	-10,00
1	1,150	0,589	0,023	24,14	0,00	24,14	23,411	4,140	2,79	11,503	3,03	CLAYEY	Plastic	NO LIQUEFACTION	2,903	17,11	7,080	121,15	0,2454	0,993	0,182	---	-10,00
1	1,160	0,603	0,024	24,35	0,00	24,35																	

GU	Depth (m)	qc (MPa)	fs (MPa)	σ_v (kPa)	u (kPa)	σ'_v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	1,270	0,788	0,029	26,66	0,00	26,66	28,557	3,850	2,71	14,745	2,93	CLAYEY	Plastic	NO LIQUEFACTION	2,695	21,24	5,948	126,32	0,2675	0,992	0,182	---	-10,00
1	1,280	0,805	0,030	26,87	0,00	26,87	28,953	3,827	2,70	15,009	2,92	CLAYEY	Plastic	NO LIQUEFACTION	2,679	21,57	5,870	126,60	0,2687	0,992	0,182	---	-10,00
1	1,290	0,815	0,031	27,08	0,00	27,08	29,094	3,980	2,71	15,140	2,92	CLAYEY	Plastic	NO LIQUEFACTION	2,664	21,71	5,947	129,10	0,2801	0,992	0,182	---	-10,00
1	1,300	0,835	0,033	27,29	0,00	27,29	29,603	4,106	2,71	15,465	2,93	CLAYEY	Plastic	NO LIQUEFACTION	2,648	22,12	5,959	131,82	0,2930	0,992	0,182	---	-10,00
1	1,310	0,845	0,035	27,50	0,00	27,50	29,737	4,222	2,72	15,594	2,93	CLAYEY	Plastic	NO LIQUEFACTION	2,633	22,26	6,008	133,73	0,3024	0,992	0,182	---	-10,00
1	1,320	0,845	0,036	27,71	0,00	27,71	29,504	4,416	2,73	15,531	2,94	CLAYEY	Plastic	NO LIQUEFACTION	2,618	22,13	6,149	136,10	0,3144	0,992	0,182	---	-10,00
1	1,330	0,855	0,038	27,92	0,00	27,92	29,636	4,555	2,74	15,660	2,95	CLAYEY	Plastic	NO LIQUEFACTION	2,603	22,27	6,209	138,28	0,3259	0,992	0,182	---	-10,00
1	1,340	0,859	0,038	28,13	0,00	28,13	29,527	4,620	2,75	15,661	2,95	CLAYEY	Plastic	NO LIQUEFACTION	2,589	22,23	6,250	138,95	0,3295	0,992	0,182	---	-10,00
1	1,350	0,872	0,039	28,34	0,00	28,34	29,776	4,627	2,75	15,852	2,95	CLAYEY	Plastic	NO LIQUEFACTION	2,574	22,46	6,212	139,50	0,3325	0,992	0,182	---	-10,00
1	1,360	0,879	0,041	28,55	0,00	28,55	29,786	4,805	2,76	15,916	2,96	CLAYEY	Plastic	NO LIQUEFACTION	2,560	22,50	6,308	141,96	0,3461	0,991	0,182	---	-10,00
1	1,370	0,889	0,040	28,76	0,00	28,76	29,913	4,646	2,75	16,042	2,95	CLAYEY	Plastic	NO LIQUEFACTION	2,546	22,64	6,182	139,95	0,3349	0,991	0,182	---	-10,00
1	1,380	0,889	0,042	28,97	0,00	28,97	29,689	4,884	2,76	15,980	2,96	CLAYEY	Plastic	NO LIQUEFACTION	2,532	22,51	6,343	142,80	0,3508	0,991	0,182	---	-10,00
1	1,390	0,886	0,042	29,18	0,00	29,18	29,352	4,852	2,76	15,856	2,96	CLAYEY	Plastic	NO LIQUEFACTION	2,519	22,31	6,351	141,68	0,3445	0,991	0,182	---	-10,00
1	1,400	0,889	0,042	29,39	0,00	29,39	29,250	4,915	2,77	15,857	2,97	CLAYEY	Plastic	NO LIQUEFACTION	2,505	22,27	6,389	142,30	0,3480	0,991	0,182	---	-10,00
1	1,410	0,896	0,043	29,60	0,00	29,60	29,263	4,957	2,77	15,921	2,97	CLAYEY	Plastic	NO LIQUEFACTION	2,492	22,32	6,400	142,86	0,3512	0,991	0,182	---	-10,00
1	1,420	0,892	0,044	29,81	0,00	29,81	28,937	5,057	2,78	15,799	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,479	22,12	6,488	143,51	0,3549	0,991	0,182	---	-10,00
1	1,430	0,896	0,044	30,02	0,00	30,02	28,840	5,065	2,78	15,802	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,466	22,09	6,492	143,40	0,3542	0,991	0,182	---	-10,00
1	1,440	0,923	0,044	30,23	0,00	30,23	29,524	4,964	2,77	16,233	2,96	CLAYEY	Plastic	NO LIQUEFACTION	2,453	22,63	6,336	143,41	0,3543	0,991	0,182	---	-10,00
1	1,450	0,936	0,045	30,44	0,00	30,44	29,756	4,992	2,77	16,417	2,96	CLAYEY	Plastic	NO LIQUEFACTION	2,440	22,84	6,313	144,21	0,3589	0,991	0,182	---	-10,00
1	1,460	0,946	0,047	30,65	0,00	30,65	29,875	5,086	2,77	16,540	2,96	CLAYEY	Plastic	NO LIQUEFACTION	2,428	22,97	6,343	145,71	0,3677	0,991	0,182	---	-10,00
1	1,470	0,987	0,047	30,86	0,00	30,86	30,974	4,873	2,75	17,207	2,94	CLAYEY	Plastic	NO LIQUEFACTION	2,415	23,83	6,079	144,88	0,3628	0,991	0,182	---	-10,00
1	1,480	0,993	0,047	31,07	0,00	31,07	30,975	4,910	2,75	17,266	2,94	CLAYEY	Plastic	NO LIQUEFACTION	2,403	23,87	6,090	145,39	0,3658	0,991	0,182	---	-10,00
1	1,490	1,010	0,048	31,28	0,00	31,28	31,299	4,919	2,75	17,505	2,93	CLAYEY	Plastic	NO LIQUEFACTION	2,391	24,15	6,049	146,11	0,3701	0,991	0,182	---	-10,00
1	1,500	1,020	0,047	31,49	0,00	31,49	31,404	4,802	2,74	17,623	2,93	CLAYEY	Plastic	NO LIQUEFACTION	2,379	24,27	5,957	144,60	0,3612	0,990	0,182	---	-10,00
1	1,510	1,031	0,048	31,70	0,10	31,60	31,603	4,846	2,74	17,767	2,93	CLAYEY	Plastic	NO LIQUEFACTION	2,372	24,45	5,956	145,60	0,3671	0,990	0,182	---	-10,00
1	1,520	1,031	0,049	31,91	0,20	31,71	31,487	4,914	2,75	17,732	2,93	CLAYEY	Plastic	NO LIQUEFACTION	2,366	24,38	6,003	146,37	0,3716	0,990	0,183	---	-10,00
1	1,530	1,031	0,050	32,12	0,30	31,82	31,372	4,983	2,75	17,698	2,94	CLAYEY	Plastic	NO LIQUEFACTION	2,360	24,32	6,049	147,13	0,3762	0,990	0,183	---	-10,00
1	1,539	1,044	0,051	32,33	0,39	31,93	31,679	5,074	2,75	17,902	2,94	CLAYEY	Plastic	NO LIQUEFACTION	2,354	24,58	6,064	149,01	0,3877	0,990	0,184	---	-10,00
1	1,549	1,044	0,052	32,54	0,49	32,04	31,564	5,120	2,76	17,868	2,94	CLAYEY	Plastic	NO LIQUEFACTION	2,348	24,51	6,096	149,43	0,3903	0,990	0,185	---	-10,00
1	1,559	1,047	0,052	32,75	0,59	32,15	31,554	5,170	2,76	17,893	2,94	CLAYEY	Plastic	NO LIQUEFACTION	2,342	24,53	6,121	150,12	0,3947	0,990	0,185	---	-10,00
1	1,569	1,071	0,053	32,96	0,69	32,26	32,171	5,098	2,75	18,273	2,93	CLAYEY	Plastic	NO LIQUEFACTION	2,336	25,02	6,008	150,30	0,3958	0,990	0,186	---	-10,00
1	1,579	1,078	0,054	33,17	0,79	32,37	32,263	5,131	2,75	18,357	2,93	CLAYEY	Plastic	NO LIQUEFACTION	2,330	25,11	6,012	150,95	0,3999	0,990	0,186	---	-10,00
1	1,589	1,074	0,054	33,38	0,89	32,48	32,044	5,215	2,76	18,263	2,94	CLAYEY	Plastic	NO LIQUEFACTION	2,324	24,97	6,077	151,71	0,4048	0,990	0,187	---	-10,00
1	1,599	1,068	0,055	33,59	0,99	32,59	31,722	5,315	2,77	18,111	2,95	CLAYEY	Plastic	NO LIQUEFACTION	2,318	24,75	6,162	152,49	0,4097	0,990	0,187	---	-10,00
1	1,609	1,068	0,057	33,80	1,09	32,70	31,609	5,513	2,78	18,077	2,96	CLAYEY	Plastic	NO LIQUEFACTION	2,312	24,69	6,278	154,98	0,4262	0,990	0,188	---	-10,00
1	1,619	1,061	0,058	34,01	1,19	32,81	31,292	5,682	2,79	17,925	2,97	CLAYEY	Plastic	NO LIQUEFACTION	2,307	24,47	6,400	156,58	0,4370	0,990	0,188	---	-10,00
1	1,629	1,057	0,060	34,22	1,29	32,92	31,079	5,856	2,80	17,833	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,301	24,33	6,512	158,42	0,4498	0,989	0,189	---	-10,00
1	1,639	1,061	0,061	34,43	1,39	33,03	31,071	5,948	2,81	17,858	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,295	24,35	6,556	159,60	0,4581	0,989	0,189	---	-10,00
1	1,649	1,064	0,062	34,64	1,49	33,14	31,063	5,995	2,81	17,883	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,289	24,36	6,576	160,20	---	0,989	0,190	---	-10,00
1	1,659	1,088	0,060	34,85	1,59	33,25	31,663	5,713	2,79	18,259	2,96	CLAYEY	Plastic	NO LIQUEFACTION	2,284	24,84	6,353	157,80	0,4455	0,989	0,190	---	-10,00
1	1,669	1,094	0,059	35,06	1,69	33,36	31,754	5,552	2,78	18,342	2,95	CLAYEY	Plastic	NO LIQUEFACTION	2,278	24,93	6,249	155,81	0,4318	0,989	0,191	---	-10,00
1	1,679	1,091	0,058	35,27	1,79	33,47	31,543	5,485	2,78	18,250	2,95	CLAYEY	Plastic	NO LIQUEFACTION	2,272	24,79	6,230	154,47	0,4228	0,989	0,191	---	-10,00
1	1,689	1,078	0,057	35,48	1,89	33,58	31,032	5,449	2,78	17,984	2,96	CLAYEY	Plastic	NO LIQUEFACTION	2,267	24,43	6,260	152,93	0,4126	0,989	0,192	---	-10,00
1	1,699	1,068	0,056	35,69	1,99	33,69	30,625	5,439	2,79	17,777	2,96	CLAYEY	Plastic	NO LIQUEFACTION	2,261	24,14	6,294	151,94	0,4062	0,989	0,192	---	-10,00
1	1,709	1,054	0,056	35,90	2,09	33,80	30,120	5,489	2,79	17,512	2,97	CLAYEY	Plastic	NO LIQUEFACTION	2,256	23,78	6,374	151,56	0,4038	0,989	0,193	---	-10,00
1	1,719	1,057	0,056	36,11	2,19	33,91	30,116	5,516	2,80	17,538	2,97	CLAYEY	Plastic	NO LIQUEFACTION	2,250	23,79	6,384	151,91	0,4060	0,989	0,193	---	-10,00
1	1,729	1,091	0,056	36,32	2,29	34,02	31,002	5,319	2,78	18,084	2,95	CLAYEY	Plastic	NO LIQUEFACTION	2,245	24,49	6,169	151,09	0,4008	0,989	0,194	---	-10,00
1	1,739	1,121	0,057	36,53	2,39	34,13	31,784	5,255	2,76	18,570	2,93	CLAYEY	Plastic	NO LIQUEFACTION	2,239	25,11	6,043	151,76	0,4051	0,989	0,194	---	-10,00
1	1,749	1,132	0,057	36,74	2,49	34,24	31,971	5,186	2,76	18,709	2,93	CLAYEY	Plastic	NO LIQUEFACTION	2,234	25,28	5,980	151,16	0,4012	0,989	0,195	---	-10,00
1	1,759	1,148	0,057	36,95	2,59	34,35	32,353	5,109	2,75	18,963	2,92	CLAYEY	Plastic	NO LIQUEFACTION	2,229	25,59	5,892	150,79	0,3989	0,988	0,195	---	-10,00
1	1,769	1,158	0,056	37,16	2,69	34,46	32,537	5,004	2,74	19,101	2,91	CLAYEY	Plastic	NO LIQUEFACTION	2,223	25,76	5,809	149,61	0,3914	0,988	0,196	---	-10,00
1	1,779	1,152	0,057	37,37	2,79	34,57	32,232	5,096	2,75	18,952	2,92	CLAYEY	Plastic	NO LIQUEFACTION	2,218	25,54	5,886	150,37	0,3962	0,988	0,196	---	-10,00
1	1,789	1,138	0,057																				

GU	Depth (m)	qc (MPa)	fs (MPa)	σv (kPa)	u (kPa)	σ'v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	1,899	1,394	0,068	39,89	3,99	35,89	37,733	4,986	2,69	22,606	2,86	CLAYEY	Plastic	NO LIQUEFACTION	2,156	30,07	5,276	158,64	0,4513	0,987	0,201	---	-10,00
1	1,909	1,425	0,072	40,10	4,09	36,00	38,453	5,222	2,70	23,073	2,86	CLAYEY	Plastic	NO LIQUEFACTION	2,152	30,65	5,341	163,70	---	0,987	0,202	---	-10,00
1	1,919	1,495	0,077	40,31	4,19	36,11	40,289	5,266	2,69	24,211	2,85	CLAYEY	Plastic	NO LIQUEFACTION	2,147	32,10	5,222	167,62	---	0,987	0,202	---	-10,00
1	1,929	1,586	0,079	40,52	4,29	36,22	42,671	5,105	2,66	25,682	2,82	CLAYEY	Plastic	NO LIQUEFACTION	2,142	33,97	4,972	168,91	---	0,987	0,203	---	-10,00
1	1,939	1,697	0,082	40,73	4,39	36,33	45,595	4,929	2,63	27,483	2,79	CLAYEY	Plastic	NO LIQUEFACTION	2,137	36,27	4,699	170,42	---	0,987	0,203	---	-10,00
1	1,949	1,795	0,086	40,94	4,49	36,44	48,131	4,876	2,61	29,056	2,77	CLAYEY	Plastic	NO LIQUEFACTION	2,132	38,27	4,528	173,27	---	0,987	0,203	---	-10,00
1	1,959	1,832	0,091	41,15	4,59	36,55	48,994	5,081	2,62	29,621	2,78	CLAYEY	Plastic	NO LIQUEFACTION	2,127	38,97	4,579	178,45	---	0,987	0,204	---	-10,00
1	1,969	1,906	0,090	41,36	4,69	36,66	50,862	4,834	2,60	30,797	2,75	GRANULAR	Plastic	NO LIQUEFACTION	2,122	40,46	4,361	176,42	---	0,987	0,204	---	-10,00
1	1,979	1,960	0,100	41,57	4,79	36,77	52,170	5,194	2,61	31,636	2,76	CLAYEY	Plastic	NO LIQUEFACTION	2,118	41,51	4,467	185,41	---	0,987	0,205	---	-10,00
1	1,989	2,024	0,109	41,78	4,89	36,88	53,744	5,508	2,62	32,639	2,77	CLAYEY	Plastic	NO LIQUEFACTION	2,113	42,77	4,534	193,91	---	0,987	0,205	---	-10,00
1	1,999	2,061	0,119	41,99	4,99	36,99	54,580	5,902	2,64	33,196	2,79	CLAYEY	Plastic	NO LIQUEFACTION	2,108	43,45	4,667	202,80	---	0,987	0,206	---	-10,00
1	2,009	2,152	0,128	42,20	5,09	37,10	56,863	6,068	2,64	34,636	2,78	CLAYEY	Plastic	NO LIQUEFACTION	2,104	45,27	4,632	209,69	---	0,987	0,206	---	-10,00
1	2,019	2,233	0,134	42,41	5,19	37,21	58,861	6,103	2,63	35,906	2,77	CLAYEY	Plastic	NO LIQUEFACTION	2,099	46,86	4,558	213,61	---	0,987	0,206	---	-10,00
1	2,029	2,330	0,142	42,62	5,29	37,32	61,299	6,220	2,62	37,449	2,77	CLAYEY	Plastic	NO LIQUEFACTION	2,094	48,80	4,505	219,86	---	0,986	0,207	---	-10,00
1	2,039	2,431	0,153	42,83	5,39	37,43	63,812	6,414	2,62	39,042	2,76	CLAYEY	Plastic	NO LIQUEFACTION	2,090	50,81	4,484	227,81	---	0,986	0,207	---	-10,00
1	2,049	2,465	0,158	43,04	5,49	37,54	64,517	6,533	2,63	39,531	2,77	CLAYEY	Plastic	NO LIQUEFACTION	2,085	51,40	4,501	231,37	---	0,986	0,207	---	-10,00
1	2,059	2,549	0,162	43,25	5,59	37,65	66,559	6,459	2,61	40,841	2,75	CLAYEY	Plastic	NO LIQUEFACTION	2,080	53,04	4,396	233,14	---	0,986	0,208	---	-10,00
1	2,069	2,637	0,170	43,46	5,69	37,76	68,678	6,573	2,61	42,203	2,75	CLAYEY	Plastic	NO LIQUEFACTION	2,076	54,74	4,364	238,90	---	0,986	0,208	---	-10,00
1	2,079	2,724	0,177	43,66	5,79	37,87	70,785	6,603	2,60	43,561	2,74	CLAYEY	Plastic	NO LIQUEFACTION	2,071	56,43	4,304	242,88	---	0,986	0,209	---	-10,00
1	2,089	2,758	0,186	43,87	5,89	37,98	71,461	6,853	2,61	44,041	2,75	CLAYEY	Plastic	NO LIQUEFACTION	2,067	57,01	4,373	249,31	---	0,986	0,209	---	-10,00
1	2,099	2,846	0,192	44,08	5,99	38,09	73,548	6,856	2,61	45,393	2,74	CLAYEY	Plastic	NO LIQUEFACTION	2,062	58,69	4,306	252,74	---	0,986	0,209	---	-10,00
1	2,109	2,947	0,197	44,29	6,09	38,20	75,976	6,804	2,60	46,959	2,73	GRANULAR	Plastic	NO LIQUEFACTION	2,058	60,64	4,212	255,45	---	0,986	0,210	---	-10,00
1	2,119	3,071	0,201	44,50	6,19	38,31	79,005	6,629	2,58	48,901	2,71	GRANULAR	Plastic	NO LIQUEFACTION	2,054	63,07	4,061	256,16	---	0,986	0,210	---	-10,00
1	2,129	3,112	0,206	44,71	6,29	38,42	79,825	6,710	2,58	49,480	2,71	GRANULAR	Plastic	NO LIQUEFACTION	2,049	63,76	4,066	259,28	---	0,986	0,211	---	-10,00
1	2,139	3,118	0,210	44,92	6,39	38,53	79,766	6,835	2,58	49,514	2,72	GRANULAR	Plastic	NO LIQUEFACTION	2,045	63,76	4,110	262,06	---	0,986	0,211	---	-10,00
1	2,149	3,092	0,215	45,13	6,49	38,64	78,837	7,052	2,60	49,007	2,73	GRANULAR	Plastic	NO LIQUEFACTION	2,040	63,08	4,209	265,51	---	0,986	0,211	---	-10,00
1	2,159	3,017	0,220	45,34	6,59	38,75	76,696	7,387	2,62	47,744	2,75	CLAYEY	Plastic	NO LIQUEFACTION	2,036	61,44	4,385	269,41	---	0,985	0,212	---	-10,00
1	2,169	2,950	0,224	45,55	6,69	38,86	74,740	7,699	2,64	46,592	2,77	CLAYEY	Plastic	NO LIQUEFACTION	2,032	59,94	4,550	272,71	---	0,985	0,212	---	-10,00
1	2,179	2,916	0,230	45,76	6,79	38,97	73,660	8,001	2,66	45,984	2,79	CLAYEY	Plastic	NO LIQUEFACTION	2,027	59,13	4,686	277,04	---	0,985	0,212	---	-10,00
1	2,189	2,893	0,231	45,97	6,89	39,08	72,844	8,100	2,67	45,539	2,80	CLAYEY	Plastic	NO LIQUEFACTION	2,023	58,53	4,742	277,55	---	0,985	0,213	---	-10,00
1	2,199	2,819	0,231	46,18	6,99	39,19	70,744	8,333	2,68	44,288	2,81	CLAYEY	Plastic	NO LIQUEFACTION	2,019	56,91	4,890	278,26	---	0,985	0,213	---	-10,00
1	2,209	2,782	0,230	46,39	7,09	39,30	69,598	8,413	2,69	43,632	2,82	CLAYEY	Plastic	NO LIQUEFACTION	2,015	56,04	4,954	277,62	---	0,985	0,213	---	-10,00
1	2,219	2,765	0,232	46,60	7,19	39,41	68,971	8,541	2,70	43,299	2,83	CLAYEY	Plastic	NO LIQUEFACTION	2,010	55,58	5,016	278,84	---	0,985	0,214	---	-10,00
1	2,229	2,735	0,234	46,81	7,29	39,52	68,007	8,713	2,71	42,753	2,84	CLAYEY	Plastic	NO LIQUEFACTION	2,006	54,86	5,107	280,17	---	0,985	0,214	---	-10,00
1	2,239	2,714	0,233	47,02	7,39	39,63	67,303	8,737	2,71	42,370	2,84	CLAYEY	Plastic	NO LIQUEFACTION	2,002	54,34	5,138	279,21	---	0,985	0,214	---	-10,00
1	2,249	2,654	0,229	47,23	7,49	39,74	65,587	8,784	2,72	41,346	2,85	CLAYEY	Plastic	NO LIQUEFACTION	1,998	53,02	5,217	276,58	---	0,985	0,215	---	-10,00
1	2,259	2,630	0,225	47,44	7,59	39,85	64,809	8,715	2,72	40,912	2,85	CLAYEY	Plastic	NO LIQUEFACTION	1,994	52,44	5,220	273,75	---	0,985	0,215	---	-10,00
1	2,269	2,634	0,222	47,65	7,69	39,96	64,710	8,591	2,72	40,906	2,84	CLAYEY	Plastic	NO LIQUEFACTION	1,990	52,40	5,178	271,29	---	0,985	0,216	---	-10,00
1	2,279	2,630	0,214	47,86	7,79	40,07	64,443	8,279	2,71	40,793	2,83	CLAYEY	Plastic	NO LIQUEFACTION	1,986	52,22	5,076	265,06	---	0,985	0,216	---	-10,00
1	2,289	2,600	0,208	48,07	7,89	40,18	63,507	8,141	2,71	40,256	2,83	CLAYEY	Plastic	NO LIQUEFACTION	1,981	51,51	5,060	260,68	---	0,985	0,216	---	-10,00
1	2,299	2,559	0,201	48,28	7,99	40,29	62,325	8,024	2,71	39,561	2,83	CLAYEY	Plastic	NO LIQUEFACTION	1,977	50,61	5,063	256,22	---	0,984	0,217	---	-10,00
1	2,309	2,539	0,195	48,49	8,09	40,40	61,650	7,847	2,70	39,186	2,83	CLAYEY	Plastic	NO LIQUEFACTION	1,973	50,11	5,023	251,67	---	0,984	0,217	---	-10,00
1	2,319	2,522	0,193	48,70	8,19	40,51	61,062	7,820	2,70	38,865	2,83	CLAYEY	Plastic	NO LIQUEFACTION	1,969	49,67	5,034	250,04	---	0,984	0,217	---	-10,00
1	2,329	2,472	0,185	48,91	8,29	40,62	59,648	7,650	2,70	38,016	2,83	CLAYEY	Plastic	NO LIQUEFACTION	1,965	48,58	5,027	244,22	---	0,984	0,218	---	-10,00
1	2,339	2,445	0,179	49,12	8,39	40,73	58,821	7,483	2,70	37,540	2,82	CLAYEY	Plastic	NO LIQUEFACTION	1,961	47,95	4,997	239,62	---	0,984	0,218	---	-10,00
1	2,349	2,458	0,176	49,33	8,49	40,84	58,987	7,303	2,69	37,697	2,82	CLAYEY	Plastic	NO LIQUEFACTION	1,957	48,12	4,918	236,64	---	0,984	0,218	---	-10,00
1	2,359	2,593	0,176	49,54	8,59	40,95	62,113	6,918	2,66	39,748	2,78	CLAYEY	Plastic	NO LIQUEFACTION	1,953	50,66	4,638	234,96	---	0,984	0,218	---	-10,00
1	2,369	2,772	0,175	49,75	8,69	41,06	66,288	6,441	2,61	42,477	2,74	CLAYEY	Plastic	NO LIQUEFACTION	1,950	54,03	4,299	232,27	---	0,984	0,219	---	-10,00
1	2,379	2,893	0,177	49,96	8,79	41,17	69,051	6,230	2,59	44,306	2,72	GRANULAR	Plastic	NO LIQUEFACTION	1,946	56,28	4,124	232,09	---	0,984	0,219	---	-10,00
1	2,389	2,950	0,179	50,17	8,89	41,28	70,249	6,186	2,58	45,135	2,71	GRANULAR	Plastic	NO LIQUEFACTION	1,942	57,28	4,066	232,93	---	0,984	0,219	---	-10,00
1	2,399	3,054	0,179	50,38	8,99	41,39	72,579	5,972	2,56	46,694	2,69	GRANULAR	Plastic	NO LIQUEFACTION	1,938	59,19	3,912	231,56	---	0,984	0,220	---	-10,00
1	2,409	3,152	0,181	50,59	9,09	41,50	74,735	5,829	2,55	48,145	2,67	GRANULAR	Plastic	NO LIQUEFACTION	1,934	60,96	3,794	231,31	---	0,984	0,220	---	-10,00
1	2,419	3,240	0,179	50,80	9,19	41,61	76,637	5,614	2,53	49,436	2,65	GRANULAR	Plastic	NO LIQUEFACTION	1,930	62,53	3,659	228,82	---	0,984	0,220	---	-10,00
1	2,429	3,283	0,180	51,01	9,29	41,72	77,479	5,568	2,52	50,045	2,65	GRANULAR	Plastic										

GU	Depth (m)	qc (MPa)	fs (MPa)	σ_v (kPa)	u (kPa)	σ'_v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	2,529	3,954	0,228	53,11	10,29	42,82	91,092	5,846	2,50	59,608	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,889	74,69	3,398	253,77	---	0,983	0,224	---	-10,00
1	2,539	4,008	0,237	53,32	10,39	42,93	92,109	5,987	2,50	60,350	2,62	GRANULAR	Plastic	NO LIQUEFACTION	1,886	75,56	3,425	258,80	---	0,983	0,224	---	-10,00
1	2,549	3,974	0,237	53,53	10,49	43,04	91,086	6,046	2,51	59,757	2,62	GRANULAR	Plastic	NO LIQUEFACTION	1,882	74,78	3,463	259,00	---	0,983	0,224	---	-10,00
1	2,559	3,910	0,230	53,74	10,59	43,15	89,366	5,971	2,51	58,703	2,62	GRANULAR	Plastic	NO LIQUEFACTION	1,878	73,44	3,469	254,76	---	0,983	0,225	---	-10,00
1	2,569	3,812	0,229	53,95	10,69	43,26	86,877	6,091	2,52	57,141	2,64	GRANULAR	Plastic	NO LIQUEFACTION	1,875	71,47	3,560	254,45	---	0,983	0,225	---	-10,00
1	2,579	3,802	0,226	54,16	10,79	43,37	86,418	6,041	2,52	56,912	2,64	GRANULAR	Plastic	NO LIQUEFACTION	1,871	71,14	3,550	252,55	---	0,982	0,225	---	-10,00
1	2,589	3,886	0,225	54,37	10,89	43,48	88,131	5,867	2,51	58,113	2,62	GRANULAR	Plastic	NO LIQUEFACTION	1,868	72,58	3,450	250,40	---	0,982	0,225	---	-10,00
1	2,599	3,997	0,228	54,58	10,99	43,59	90,454	5,793	2,49	59,720	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,864	74,51	3,375	251,52	---	0,982	0,226		
1	2,609	4,220	0,231	54,79	11,09	43,70	95,308	5,554	2,47	63,004	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,513	63,83	3,200	204,27	---	0,982	0,226		
1	2,619	4,371	0,242	55,00	11,19	43,81	98,523	5,611	2,46	65,211	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,511	66,04	3,163	208,92	---	0,982	0,226		
1	2,629	4,442	0,251	55,21	11,29	43,92	99,882	5,733	2,47	66,193	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,509	67,03	3,181	213,19	---	0,982	0,227		
1	2,639	4,425	0,259	55,42	11,39	44,03	99,245	5,926	2,48	65,854	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,507	66,69	3,255	217,05	---	0,982	0,227		
1	2,649	4,378	0,262	55,63	11,49	44,14	97,925	6,069	2,49	65,059	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	1,505	65,90	3,323	218,99	---	0,982	0,227		
1	2,659	4,365	0,264	55,84	11,59	44,25	97,372	6,119	2,49	64,772	2,60	GRANULAR	Plastic	NO LIQUEFACTION	1,843	80,45	3,348	269,31	---	0,982	0,227		
1	2,669	4,327	0,260	56,05	11,69	44,36	96,291	6,077	2,49	64,133	2,60	GRANULAR	Plastic	NO LIQUEFACTION	1,840	79,62	3,351	266,76	---	0,982	0,228		
1	2,679	4,314	0,255	56,26	11,79	44,47	95,746	5,991	2,49	63,848	2,60	GRANULAR	Plastic	NO LIQUEFACTION	1,836	79,22	3,329	263,70	---	0,982	0,228		
1	2,689	4,351	0,253	56,47	11,89	44,58	96,336	5,892	2,48	64,321	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,498	65,17	3,282	213,91	---	0,982	0,228		
1	2,699	4,391	0,245	56,68	11,99	44,69	96,998	5,645	2,47	64,843	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,496	65,69	3,184	209,17	---	0,982	0,228		
1	2,709	4,375	0,238	56,89	12,09	44,80	96,380	5,521	2,46	64,509	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,494	65,36	3,150	205,86	---	0,982	0,229		
1	2,719	4,341	0,237	57,10	12,19	44,91	95,389	5,534	2,46	63,924	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,492	64,78	3,169	205,27	---	0,981	0,229		
1	2,729	4,304	0,237	57,31	12,29	45,02	94,329	5,572	2,47	63,291	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,490	64,15	3,199	205,17	---	0,981	0,229		
1	2,739	4,317	0,234	57,52	12,39	45,13	94,393	5,485	2,46	63,411	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,489	64,27	3,165	203,42	---	0,981	0,230		
1	2,749	4,304	0,233	57,73	12,49	45,24	93,861	5,481	2,47	63,131	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,487	63,99	3,171	202,91	---	0,981	0,230		
1	2,759	4,307	0,229	57,94	12,59	45,35	93,703	5,398	2,46	63,101	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,485	63,96	3,142	200,98	---	0,981	0,230		
1	2,769	4,344	0,223	58,15	12,69	45,46	94,286	5,210	2,45	63,571	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,483	64,43	3,064	197,40	---	0,981	0,230		
1	2,779	4,405	0,220	58,36	12,79	45,57	95,385	5,065	2,43	64,389	2,54	GRANULAR	Non Plastic	CHECK LIQUEF.	1,481	65,25	2,992	195,23	---	0,981	0,231		
1	2,789	4,455	0,217	58,57	12,89	45,68	96,256	4,940	2,42	65,056	2,53	GRANULAR	Non Plastic	CHECK LIQUEF.	1,480	65,92	2,931	193,24	---	0,981	0,231		
1	2,799	4,462	0,217	58,78	12,99	45,79	96,168	4,922	2,42	65,074	2,53	GRANULAR	Non Plastic	CHECK LIQUEF.	1,478	65,94	2,925	192,86	---	0,981	0,231		
1	2,809	4,452	0,198	58,99	13,09	45,90	95,713	4,508	2,39	64,844	2,50	GRANULAR	Non Plastic	CHECK LIQUEF.	1,476	65,71	2,780	182,66	---	0,981	0,231		
1	2,819	4,408	0,201	59,20	13,19	46,01	94,528	4,611	2,40	64,118	2,51	GRANULAR	Non Plastic	CHECK LIQUEF.	1,474	64,99	2,834	184,20	---	0,981	0,232		
1	2,829	4,435	0,204	59,41	13,29	46,12	94,882	4,655	2,41	64,435	2,51	GRANULAR	Non Plastic	CHECK LIQUEF.	1,473	65,31	2,843	185,67	---	0,981	0,232		
1	2,839	4,519	0,207	59,62	13,39	46,23	96,473	4,643	2,40	65,594	2,51	GRANULAR	Non Plastic	CHECK LIQUEF.	1,471	66,47	2,812	186,93	---	0,981	0,232		
1	2,849	4,550	0,211	59,83	13,49	46,34	96,894	4,698	2,40	65,958	2,51	GRANULAR	Non Plastic	CHECK LIQUEF.	1,469	66,84	2,824	188,73	---	0,981	0,232		
1	2,859	4,567	0,213	60,04	13,59	46,45	97,022	4,736	2,41	66,124	2,51	GRANULAR	Non Plastic	CHECK LIQUEF.	1,467	67,00	2,834	189,86	---	0,980	0,233		
1	2,869	4,556	0,215	60,25	13,69	46,56	96,572	4,782	2,41	65,894	2,52	GRANULAR	Non Plastic	CHECK LIQUEF.	1,466	66,78	2,855	190,67	---	0,980	0,233		
1	2,879	4,607	0,219	60,46	13,79	46,67	97,422	4,818	2,41	66,553	2,52	GRANULAR	Non Plastic	CHECK LIQUEF.	1,464	67,44	2,854	192,44	---	0,980	0,233		
1	2,889	4,698	0,223	60,67	13,89	46,78	99,132	4,817	2,41	67,801	2,51	GRANULAR	Non Plastic	CHECK LIQUEF.	1,462	68,69	2,826	194,08	---	0,980	0,233		
1	2,899	4,681	0,229	60,88	13,99	46,89	98,536	4,962	2,42	67,473	2,52	GRANULAR	Non Plastic	CHECK LIQUEF.	1,460	68,36	2,884	197,16	---	0,980	0,234		
1	2,909	4,654	0,231	61,09	14,09	47,00	97,728	5,036	2,43	66,998	2,53	GRANULAR	Non Plastic	CHECK LIQUEF.	1,459	67,89	2,921	198,27	---	0,980	0,234		
1	2,919	4,651	0,235	61,30	14,19	47,11	97,424	5,113	2,43	66,867	2,53	GRANULAR	Non Plastic	CHECK LIQUEF.	1,457	67,76	2,951	199,94	---	0,980	0,234		
1	2,929	4,661	0,238	61,51	14,29	47,22	97,407	5,181	2,44	66,933	2,54	GRANULAR	Non Plastic	CHECK LIQUEF.	1,455	67,83	2,973	201,63	---	0,980	0,234		
1	2,939	4,661	0,243	61,72	14,39	47,33	97,176	5,278	2,44	66,853	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,454	67,75	3,008	203,81	---	0,980	0,235		
1	2,949	4,647	0,246	61,93	14,49	47,44	96,662	5,361	2,45	66,576	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,452	67,48	3,044	205,38	---	0,980	0,235		
1	2,959	4,658	0,249	62,14	14,59	47,55	96,647	5,413	2,45	66,643	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,450	67,54	3,060	206,69	---	0,980	0,235		
1	2,969	4,721	0,244	62,35	14,69	47,66	97,762	5,232	2,44	67,490	2,54	GRANULAR	Non Plastic	CHECK LIQUEF.	1,449	68,39	2,978	203,66	---	0,980	0,235		
1	2,979	4,738	0,240	62,56	14,79	47,77	97,885	5,135	2,43	67,653	2,53	GRANULAR	Non Plastic	CHECK LIQUEF.	1,447	68,56	2,941	201,60	---	0,980	0,235		
1	2,989	4,705	0,239	62,77	14,89	47,88	96,953	5,157	2,44	67,085	2,54	GRANULAR	Non Plastic	CHECK LIQUEF.	1,445	67,99	2,961	201,33	---	0,980	0,236		
1	2,999	4,658	0,238	62,98	14,99	47,99	95,744	5,171	2,44	66,325	2,54	GRANULAR	Non Plastic	CHECK LIQUEF.	1,444	67,23	2,983	200,58	---	0,979	0,236		
1	3,009	4,503	0,235	63,19	15,09	48,10	92,300	5,285	2,46	64,012	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,442	64,92	3,079	199,91	---	0,979	0,236		
1	3,019	4,412	0,233	63,40	15,19	48,21	90,199	5,358	2,47	62,626	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,440	63,54	3,141	199,56	---	0,979	0,236		
1	3,029	4,327	0,232	63,61	15,29	48,32	88,247	5,443	2,48	61,341	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,439	62,26	3,205	199,54	---	0,979	0,237		
1	3,039	4,311	0,231	63,82	15,39	48,43	87,694	5,438	2,48	61,026	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,437	61,94	3,212	198,97	---	0,979	0,237		
1	3,049	4,213	0,228	64,03	15,49	48,54	85,479	5,491	2,49	59,552	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,435	60,47	3,272	197,89	---	0,979	0,237		
1	3,059	4,152	0,225	64,24	15,59	48,65	84,035	5,501	2,50	58,613	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	1,434	59,53	3,303	196,67	---	0,979	0,237		
1	3,069	4,088	0,223	64,45	15,69	48,76	82,529	5,533	2,50	57,627	2,60	GRANULAR	Plastic	NO LIQUEFACTION	1,714	70,07	3,345	234,35	---	0,979	0,237		
1	3,079	4,041	0,218	6																			

GU	Depth (m)	qc (MPa)	fs (MPa)	σv (kPa)	u (kPa)	σ'v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	3,159	4,156	0,199	66,34	16,59	49,75	82,204	4,868	2,46	57,979	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,418	58,92	3,088	181,92	---	0,978	0,239		
1	3,169	4,041	0,202	66,55	16,69	49,86	79,722	5,077	2,48	56,291	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,416	57,23	3,216	184,06	---	0,978	0,240		
1	3,179	3,984	0,203	66,75	16,79	49,97	78,396	5,174	2,49	55,416	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,415	56,36	3,280	184,85	---	0,978	0,240		
1	3,189	3,987	0,202	66,96	16,89	50,08	78,287	5,141	2,49	55,400	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,413	56,35	3,268	184,13	---	0,978	0,240		
1	3,199	3,950	0,199	67,17	16,99	50,19	77,373	5,125	2,49	54,813	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,412	55,76	3,281	182,93	---	0,978	0,240		
1	3,209	3,900	0,199	67,38	17,09	50,30	76,196	5,187	2,50	54,038	2,60	GRANULAR	Plastic	NO LIQUEFACTION	1,674	65,30	3,329	217,39	---	0,978	0,240		
1	3,219	3,907	0,197	67,59	17,19	50,41	76,159	5,143	2,50	54,071	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	1,408	55,02	3,311	182,20	---	0,978	0,241		
1	3,229	3,937	0,196	67,80	17,29	50,52	76,589	5,068	2,49	54,436	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,407	55,39	3,271	181,17	---	0,978	0,241		
1	3,239	3,917	0,194	68,01	17,39	50,63	76,019	5,037	2,49	54,090	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,405	55,05	3,270	180,01	---	0,978	0,241		
1	3,249	3,883	0,195	68,22	17,49	50,74	75,187	5,125	2,50	53,555	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	1,404	54,51	3,321	181,06	---	0,978	0,241		
1	3,259	3,880	0,192	68,43	17,59	50,85	74,954	5,037	2,50	53,447	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,402	54,41	3,291	179,05	---	0,978	0,241		
1	3,269	3,829	0,202	68,64	17,69	50,96	73,797	5,364	2,52	52,679	2,62	GRANULAR	Plastic	NO LIQUEFACTION	1,658	63,49	3,443	218,57	---	0,978	0,242	---	-10,00
1	3,279	3,805	0,203	68,85	17,79	51,07	73,172	5,429	2,53	52,289	2,62	GRANULAR	Plastic	NO LIQUEFACTION	1,655	63,00	3,481	219,31	---	0,978	0,242	---	-10,00
1	3,289	3,829	0,202	69,06	17,89	51,18	73,471	5,371	2,52	52,560	2,62	GRANULAR	Plastic	NO LIQUEFACTION	1,653	63,28	3,450	218,31	---	0,977	0,242	---	-10,00
1	3,299	3,849	0,196	69,27	17,99	51,29	73,704	5,194	2,51	52,782	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,650	63,52	3,374	214,31	---	0,977	0,242		
1	3,309	3,913	0,193	69,48	18,09	51,40	74,787	5,032	2,50	53,616	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,395	54,58	3,284	179,24	---	0,977	0,242		
1	3,319	4,021	0,192	69,69	18,19	51,51	76,715	4,856	2,48	55,057	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,393	56,03	3,170	177,59	---	0,977	0,243		
1	3,329	4,186	0,196	69,90	18,29	51,62	79,745	4,766	2,46	57,292	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,392	58,27	3,068	178,79	---	0,977	0,243		
1	3,339	4,250	0,199	70,11	18,39	51,73	80,808	4,764	2,46	58,118	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,390	59,09	3,044	179,89	---	0,977	0,243		
1	3,349	4,311	0,201	70,32	18,49	51,84	81,802	4,743	2,45	58,895	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,389	59,87	3,015	180,51	---	0,977	0,243		
1	3,359	4,324	0,204	70,53	18,59	51,95	81,885	4,806	2,46	59,017	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,387	60,00	3,035	182,11	---	0,977	0,243		
1	3,369	4,408	0,206	70,74	18,69	52,06	83,325	4,749	2,45	60,119	2,54	GRANULAR	Non Plastic	CHECK LIQUEF.	1,386	61,10	2,984	182,34	---	0,977	0,244		
1	3,379	4,445	0,205	70,95	18,79	52,17	83,855	4,684	2,44	60,565	2,53	GRANULAR	Non Plastic	CHECK LIQUEF.	1,385	61,55	2,948	181,45	---	0,977	0,244		
1	3,389	4,533	0,209	71,16	18,89	52,28	85,350	4,674	2,44	61,710	2,53	GRANULAR	Non Plastic	CHECK LIQUEF.	1,383	62,69	2,915	182,78	---	0,977	0,244		
1	3,399	4,540	0,217	71,37	18,99	52,39	85,295	4,849	2,45	61,735	2,54	GRANULAR	Non Plastic	CHECK LIQUEF.	1,382	62,72	2,980	186,88	---	0,977	0,244		
1	3,409	4,526	0,223	71,58	19,09	52,50	84,856	4,996	2,46	61,482	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,380	62,47	3,040	189,91	---	0,977	0,244		
1	3,419	4,492	0,220	71,79	19,19	52,61	84,035	4,974	2,46	60,950	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,379	61,94	3,046	188,65	---	0,977	0,245		
1	3,429	4,290	0,219	72,00	19,29	52,72	80,022	5,190	2,49	58,101	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,377	59,09	3,205	189,37	---	0,976	0,245		
1	3,439	4,220	0,222	72,21	19,39	52,83	78,513	5,354	2,51	57,064	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,376	58,06	3,296	191,37	---	0,976	0,245		
1	3,449	4,277	0,223	72,42	19,49	52,94	79,428	5,313	2,50	57,789	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,374	58,78	3,259	191,59	---	0,976	0,245		
1	3,459	4,371	0,223	72,63	19,59	53,05	81,037	5,186	2,49	59,021	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,373	60,02	3,177	190,65	---	0,976	0,245		
1	3,469	4,375	0,222	72,84	19,69	53,16	80,928	5,156	2,48	59,003	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,372	60,00	3,166	189,96	---	0,976	0,246		
1	3,479	4,391	0,226	73,05	19,79	53,27	81,073	5,235	2,49	59,170	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,370	60,17	3,190	191,97	---	0,976	0,246		
1	3,489	4,432	0,227	73,26	19,89	53,38	81,660	5,208	2,49	59,659	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,369	60,66	3,166	192,08	---	0,976	0,246		
1	3,499	4,398	0,226	73,47	19,99	53,49	80,858	5,233	2,49	59,135	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,367	60,14	3,190	191,87	---	0,976	0,246		
1	3,509	4,294	0,226	73,68	20,09	53,60	78,741	5,352	2,50	57,645	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,366	58,65	3,278	192,24	---	0,976	0,246		
1	3,519	4,230	0,225	73,89	20,19	53,71	77,384	5,418	2,51	56,710	2,60	GRANULAR	Plastic	NO LIQUEFACTION	1,594	67,42	3,331	224,56	---	0,976	0,246		
1	3,529	4,193	0,225	74,10	20,29	53,82	76,534	5,462	2,52	56,144	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,592	66,73	3,365	224,51	---	0,976	0,247		
1	3,539	4,196	0,223	74,31	20,39	53,92	76,436	5,420	2,52	56,130	2,60	GRANULAR	Plastic	NO LIQUEFACTION	1,589	66,68	3,349	223,34	---	0,976	0,247		
1	3,549	4,176	0,225	74,52	20,49	54,03	75,903	5,474	2,52	55,795	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,587	66,26	3,380	223,96	---	0,976	0,247		
1	3,559	4,156	0,226	74,73	20,59	54,14	75,372	5,546	2,53	55,461	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,584	65,84	3,417	225,00	---	0,976	0,247	---	-10,00
1	3,569	4,166	0,227	74,94	20,69	54,25	75,401	5,538	2,53	55,539	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,582	65,90	3,412	224,86	---	0,976	0,247	---	-10,00
1	3,579	4,173	0,230	75,15	20,79	54,36	75,369	5,613	2,53	55,571	2,62	GRANULAR	Plastic	NO LIQUEFACTION	1,579	65,90	3,439	226,63	---	0,975	0,247	---	-10,00
1	3,589	4,162	0,229	75,36	20,89	54,47	75,028	5,607	2,53	55,375	2,62	GRANULAR	Plastic	NO LIQUEFACTION	1,577	65,65	3,443	226,00	---	0,975	0,248	---	-10,00
1	3,599	4,179	0,230	75,57	20,99	54,58	75,181	5,612	2,53	55,545	2,62	GRANULAR	Plastic	NO LIQUEFACTION	1,575	65,81	3,439	226,34	---	0,975	0,248	---	-10,00
1	3,609	4,210	0,233	75,78	21,09	54,69	75,580	5,648	2,53	55,896	2,62	GRANULAR	Plastic	NO LIQUEFACTION	1,572	66,19	3,441	227,75	---	0,975	0,248	---	-10,00
1	3,619	4,196	0,233	75,99	21,19	54,80	75,179	5,645	2,54	55,655	2,62	GRANULAR	Plastic	NO LIQUEFACTION	1,570	65,88	3,448	227,14	---	0,975	0,248	---	-10,00
1	3,629	4,210	0,232	76,20	21,29	54,91	75,270	5,606	2,53	55,778	2,62	GRANULAR	Plastic	NO LIQUEFACTION	1,568	65,99	3,429	226,30	---	0,975	0,248	---	-10,00
1	3,639	4,250	0,233	76,41	21,39	55,02	75,850	5,579	2,53	56,264	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,565	66,52	3,404	226,45	---	0,975	0,249	---	-10,00
1	3,649	4,327	0,233	76,62	21,49	55,13	77,100	5,483	2,52	57,249	2,60	GRANULAR	Plastic	NO LIQUEFACTION	1,563	67,63	3,338	225,77	---	0,975	0,249		
1	3,659	4,462	0,235	76,83	21,59	55,24	79,381	5,356	2,50	59,001	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,345	60,03	3,240	194,49	---	0,975	0,249		
1	3,669	4,509	0,236	77,04	21,69	55,35	80,072	5,335	2,50	59,574	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,344	60,61	3,215	194,88	---	0,975	0,249		
1	3,679	4,516	0,239	77,25	21,79	55,46	80,031	5,383	2,50	59,602	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,343	60,64	3,232	195,98	---	0,975	0,249		
1	3,689	4,597	0,240	77,46	21,89	55,57	81,323	5,317	2,49	60,624	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,341	61,66	3,179	196,05	---	0,975	0,249		
1	3,699	4,637	0,240	77,67	21,99	55,68	81,884	5,265	2,49	61,103	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,340	62,14	3,148	195,60	---	0,975	0,249		
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GU	Depth (m)	qc (MPa)	fs (MPa)	σv (kPa)	u (kPa)	σ'v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	3,788	4,610	0,252	79,56	22,88	56,67	79,946	5,560	2,51	60,185	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,328	61,24	3,279	200,82	---	0,974	0,251		
1	3,798	4,634	0,252	79,77	22,98	56,78	80,203	5,531	2,51	60,436	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,327	61,50	3,262	200,58	---	0,974	0,251		
1	3,808	4,651	0,300	79,98	23,08	56,89	80,340	6,571	2,57	60,599	2,65	GRANULAR	Plastic	NO LIQUEFACTION	1,527	71,00	3,618	256,88	---	0,974	0,251	---	-10,00
1	3,818	4,711	0,238	80,19	23,18	57,00	81,245	5,148	2,48	61,340	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,324	62,40	3,099	193,38	---	0,974	0,251		
1	3,828	4,732	0,239	80,40	23,28	57,11	81,439	5,140	2,48	61,546	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,323	62,61	3,091	193,51	---	0,974	0,252		
1	3,838	4,745	0,245	80,61	23,38	57,22	81,514	5,246	2,49	61,662	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,322	62,73	3,126	196,07	---	0,974	0,252		
1	3,848	4,785	0,248	80,82	23,48	57,33	82,059	5,263	2,49	62,134	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,321	63,20	3,119	197,15	---	0,974	0,252		
1	3,858	4,823	0,246	81,03	23,58	57,44	82,543	5,198	2,48	62,560	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,319	63,63	3,085	196,30	---	0,974	0,252		
1	3,868	4,819	0,243	81,24	23,68	57,55	82,323	5,125	2,48	62,453	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,318	63,52	3,062	194,50	---	0,973	0,252		
1	3,878	3,425	0,242	81,45	23,78	57,66	57,984	7,236	2,69	44,030	2,77	CLAYEY	Plastic	NO LIQUEFACTION	1,511	51,76	4,515	233,69	---	0,973	0,252	---	-10,00
1	3,888	4,934	0,241	81,66	23,88	57,77	83,985	4,958	2,46	63,835	2,54	GRANULAR	Non Plastic	CHECK LIQUEF.	1,316	64,91	2,967	192,59	---	0,973	0,252		
1	3,898	4,930	0,240	81,87	23,98	57,88	83,763	4,948	2,46	63,728	2,54	GRANULAR	Non Plastic	CHECK LIQUEF.	1,314	64,80	2,966	192,21	---	0,973	0,253		
1	3,908	4,843	0,239	82,08	24,08	57,99	82,091	5,025	2,47	62,515	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,313	63,59	3,024	192,30	---	0,973	0,253		
1	3,918	4,779	0,237	82,29	24,18	58,10	80,831	5,051	2,48	61,613	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,312	62,69	3,056	191,62	---	0,973	0,253		
1	3,928	4,762	0,235	82,50	24,28	58,21	80,386	5,031	2,48	61,332	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,311	62,41	3,057	190,78	---	0,973	0,253		
1	3,938	4,748	0,234	82,71	24,38	58,32	79,999	5,012	2,48	61,095	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,309	62,18	3,056	190,02	---	0,973	0,253		
1	3,948	4,721	0,232	82,92	24,48	58,43	79,384	4,998	2,48	60,682	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,308	61,77	3,062	189,12	---	0,973	0,253		
1	3,958	4,752	0,236	83,13	24,58	58,54	79,749	5,062	2,48	61,018	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,307	62,10	3,076	191,06	---	0,973	0,254		
1	3,968	4,755	0,240	83,34	24,68	58,65	79,654	5,146	2,49	61,002	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,306	62,09	3,107	192,93	---	0,973	0,254		
1	3,978	4,752	0,242	83,54	24,78	58,76	79,444	5,193	2,49	60,899	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,305	61,99	3,127	193,85	---	0,973	0,254		
1	3,988	4,796	0,244	83,75	24,88	58,87	80,036	5,174	2,49	61,410	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,303	62,50	3,106	194,16	---	0,973	0,254		
1	3,998	4,849	0,244	83,96	24,98	58,98	80,797	5,111	2,48	62,051	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,302	63,14	3,067	193,65	---	0,973	0,254		
1	4,008	4,907	0,245	84,17	25,08	59,09	81,612	5,073	2,48	62,736	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,301	63,83	3,036	193,78	---	0,972	0,254		
1	4,018	4,964	0,249	84,38	25,18	59,20	82,424	5,107	2,48	63,419	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,300	64,52	3,031	195,53	---	0,972	0,254		
1	4,028	4,907	0,255	84,59	25,28	59,31	81,302	5,285	2,49	62,614	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,298	63,71	3,115	198,47	---	0,972	0,255		
1	4,038	4,870	0,262	84,80	25,38	59,42	80,525	5,468	2,51	62,073	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,297	63,17	3,194	201,80	---	0,972	0,255		
1	4,048	4,846	0,263	85,01	25,48	59,53	79,977	5,520	2,51	61,707	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,296	62,81	3,223	202,41	---	0,972	0,255		
1	4,058	4,812	0,267	85,22	25,58	59,64	79,261	5,646	2,52	61,211	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,295	62,31	3,281	204,44	---	0,972	0,255		
1	4,068	4,816	0,268	85,43	25,68	59,75	79,168	5,676	2,52	61,196	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,294	62,30	3,292	205,08	---	0,972	0,255		
1	4,078	4,809	0,271	85,64	25,78	59,86	78,907	5,737	2,53	61,050	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	1,292	62,16	3,317	206,20	---	0,972	0,255		
1	4,088	4,836	0,273	85,85	25,88	59,97	79,208	5,738	2,53	61,339	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	1,291	62,45	3,310	206,69	---	0,972	0,255		
1	4,098	4,863	0,274	86,06	25,98	60,08	79,508	5,726	2,52	61,628	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	1,290	62,74	3,297	206,87	---	0,972	0,256		
1	4,108	4,893	0,271	86,27	26,08	60,19	79,863	5,638	2,52	61,960	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,289	63,07	3,258	205,46	---	0,972	0,256		
1	4,118	4,944	0,268	86,48	26,18	60,30	80,552	5,510	2,51	62,551	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,288	63,66	3,197	203,51	---	0,972	0,256		
1	4,128	4,967	0,266	86,69	26,28	60,41	80,792	5,456	2,50	62,795	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,287	63,91	3,171	202,66	---	0,972	0,256		
1	4,138	4,991	0,263	86,90	26,38	60,52	81,031	5,370	2,50	63,038	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,285	64,15	3,134	201,08	---	0,972	0,256		
1	4,148	5,021	0,260	87,11	26,48	60,63	81,381	5,260	2,49	63,367	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,284	64,49	3,087	199,05	---	0,972	0,256		
1	4,158	5,035	0,256	87,32	26,58	60,74	81,452	5,174	2,48	63,480	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,283	64,60	3,053	197,23	---	0,971	0,256		
1	4,168	5,099	0,260	87,53	26,68	60,85	82,353	5,194	2,48	64,240	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,282	65,36	3,041	198,79	---	0,971	0,256		
1	4,178	5,142	0,262	87,74	26,78	60,96	82,919	5,182	2,48	64,740	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,281	65,86	3,025	199,24	---	0,971	0,257		
1	4,188	5,163	0,264	87,95	26,88	61,07	83,097	5,199	2,48	64,938	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,280	66,06	3,026	199,93	---	0,971	0,257		
1	4,198	5,146	0,255	88,16	26,98	61,18	82,669	5,050	2,47	64,662	2,54	GRANULAR	Non Plastic	CHECK LIQUEF.	1,278	65,79	2,980	196,04	---	0,971	0,257		
1	4,208	5,146	0,268	88,37	27,08	61,29	82,518	5,292	2,49	64,601	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,277	65,73	3,067	201,61	---	0,971	0,257		
1	4,218	5,217	0,272	88,58	27,18	61,40	83,518	5,309	2,49	65,443	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,276	66,57	3,053	203,22	---	0,971	0,257		
1	4,228	5,277	0,275	88,79	27,28	61,51	84,351	5,310	2,48	66,155	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,275	67,29	3,036	204,28	---	0,971	0,257		
1	4,238	5,341	0,278	89,00	27,38	61,62	85,236	5,285	2,48	66,908	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,274	68,04	3,010	204,78	---	0,971	0,257		
1	4,248	5,536	0,284	89,21	27,48	61,73	88,245	5,208	2,46	69,332	2,53	GRANULAR	Non Plastic	CHECK LIQUEF.	1,273	70,47	2,929	206,38	---	0,971	0,257		
1	4,258	5,765	0,299	89,42	27,58	61,84	91,788	5,269	2,46	72,180	2,52	GRANULAR	Non Plastic	CHECK LIQUEF.	1,272	73,32	2,889	211,84	---	0,971	0,258		
1	4,268	6,042	0,314	89,63	27,68	61,95	96,079	5,271	2,45	75,622	2,51	GRANULAR	Non Plastic	CHECK LIQUEF.	1,271	76,76	2,823	216,68	---	0,971	0,258		
1	4,278	6,146	0,320	89,84	27,78	62,06	97,588	5,288	2,44	76,877	2,51	GRANULAR	Non Plastic	CHECK LIQUEF.	1,269	78,02	2,805	218,85	---	0,971	0,258		
1	4,288	6,331	0,331	90,05	27,88	62,17	100,392	5,308	2,44	79,156	2,50	GRANULAR	Non Plastic	CHECK LIQUEF.	1,268	80,30	2,771	222,50	---	0,971	0,258		
1	4,298	6,527	0,339	90,26	27,98	62,28	103,347	5,266	2,43	81,558	2,49	GRANULAR	Non Plastic	CHECK LIQUEF.	1,267	82,70	2,717	224,67	---	0,970	0,258		
1	4,308	6,644	0,344	90,47	28,08	62,39	105,051	5,250	2,42	82,976	2,48	GRANULAR	Non Plastic	CHECK LIQUEF.	1,266	84,12	2,689	226,17	---	0,970	0,258		
1	4,318	6,695	0,342	90,68	28,18	62,50	105,672	5,182	2,42	83,539	2,48	GRANULAR	Non Plastic	CHECK LIQUEF.	1,265	84,69	2,658	225,11	---	0,970	0,258		
1	4,328	6,631	0,346	90,89	28,28	62,61	104,461	5,284	2,43	82,655	2,49	GRANULAR	Non Plastic	CHECK LIQUEF.	1,264	83,80	2,705	226,65	---	0,970	0,259		
1	4,338	6,560	0,350	91,10	28,38	62,72	103,147	5,405															

GU	Depth (m)	qc (MPa)	fs (MPa)	σv (kPa)	u (kPa)	σ'v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	4,418	6,052	0,325	92,78	29,18	63,60	93,699	5,458	2,46	74,723	2,53	GRANULAR	Non Plastic	CHECK LIQUEF.	1,254	75,89	2,901	220,18	---	0,970	0,260		
1	4,428	6,042	0,317	92,99	29,28	63,71	93,375	5,323	2,46	74,529	2,52	GRANULAR	Non Plastic	CHECK LIQUEF.	1,253	75,69	2,861	216,55	---	0,970	0,260		
1	4,438	6,096	0,305	93,20	29,38	63,82	94,056	5,075	2,44	75,137	2,50	GRANULAR	Non Plastic	CHECK LIQUEF.	1,252	76,30	2,767	211,14	---	0,970	0,260		
1	4,448	6,106	0,291	93,41	29,48	63,93	94,049	4,845	2,42	75,196	2,48	GRANULAR	Non Plastic	CHECK LIQUEF.	1,251	76,36	2,689	205,35	---	0,969	0,260		
1	4,458	6,133	0,288	93,61	29,58	64,04	94,305	4,767	2,42	75,465	2,48	GRANULAR	Non Plastic	CHECK LIQUEF.	1,250	76,64	2,658	203,69	---	0,969	0,260		
1	4,468	6,210	0,278	93,82	29,68	64,15	95,347	4,543	2,40	76,365	2,46	GRANULAR	Non Plastic	CHECK LIQUEF.	1,249	77,54	2,567	199,01	---	0,969	0,260		
1	4,478	6,106	0,273	94,03	29,78	64,26	93,556	4,546	2,40	74,995	2,46	GRANULAR	Non Plastic	CHECK LIQUEF.	1,248	76,17	2,591	197,36	---	0,969	0,260		
1	4,488	6,028	0,271	94,24	29,88	64,37	92,190	4,570	2,41	73,963	2,47	GRANULAR	Non Plastic	CHECK LIQUEF.	1,246	75,14	2,618	196,69	---	0,969	0,260		
1	4,498	6,038	0,267	94,45	29,98	64,48	92,186	4,490	2,40	74,023	2,46	GRANULAR	Non Plastic	CHECK LIQUEF.	1,245	75,20	2,589	194,69	---	0,969	0,261		
1	4,508	5,991	0,261	94,66	30,08	64,59	91,296	4,433	2,40	73,371	2,46	GRANULAR	Non Plastic	CHECK LIQUEF.	1,244	74,55	2,581	192,42	---	0,969	0,261		
1	4,518	5,994	0,252	94,87	30,18	64,70	91,190	4,265	2,39	73,347	2,45	GRANULAR	Non Plastic	CHECK LIQUEF.	1,243	74,53	2,523	188,03	---	0,969	0,261		
1	4,528	5,947	0,249	95,08	30,28	64,81	90,305	4,256	2,39	72,697	2,45	GRANULAR	Non Plastic	CHECK LIQUEF.	1,242	73,88	2,532	187,03	---	0,969	0,261		
1	4,538	5,803	0,247	95,29	30,38	64,92	87,918	4,324	2,40	70,836	2,46	GRANULAR	Non Plastic	CHECK LIQUEF.	1,241	72,02	2,590	186,50	---	0,969	0,261		
1	4,548	5,607	0,246	95,50	30,48	65,03	84,762	4,464	2,42	68,351	2,48	GRANULAR	Non Plastic	CHECK LIQUEF.	1,240	69,54	2,688	186,94	---	0,969	0,261		
1	4,558	5,446	0,242	95,71	30,58	65,14	82,134	4,530	2,44	66,288	2,50	GRANULAR	Non Plastic	CHECK LIQUEF.	1,239	67,47	2,756	185,95	---	0,969	0,261		
1	4,568	5,382	0,241	95,92	30,68	65,24	81,012	4,555	2,44	65,437	2,50	GRANULAR	Non Plastic	CHECK LIQUEF.	1,238	66,62	2,784	185,46	---	0,969	0,261		
1	4,578	5,254	0,237	96,13	30,78	65,35	78,915	4,602	2,45	63,796	2,51	GRANULAR	Non Plastic	CHECK LIQUEF.	1,237	64,99	2,838	184,44	---	0,969	0,261		
1	4,588	5,132	0,235	96,34	30,88	65,46	76,927	4,667	2,47	62,242	2,53	GRANULAR	Non Plastic	CHECK LIQUEF.	1,236	63,43	2,900	183,92	---	0,968	0,262		
1	4,598	5,078	0,237	96,55	30,98	65,57	75,973	4,748	2,47	61,522	2,53	GRANULAR	Non Plastic	CHECK LIQUEF.	1,235	62,71	2,948	184,86	---	0,968	0,262		
1	4,608	4,947	0,230	96,76	31,08	65,68	73,843	4,741	2,48	59,847	2,54	GRANULAR	Non Plastic	CHECK LIQUEF.	1,234	61,04	2,989	182,43	---	0,968	0,262		
1	4,618	4,823	0,224	96,97	31,18	65,79	71,823	4,737	2,49	58,258	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,233	59,45	3,030	180,14	---	0,968	0,262		
1	4,628	4,705	0,218	97,18	31,28	65,90	69,912	4,734	2,50	56,755	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,232	57,95	3,072	178,01	---	0,968	0,262		
1	4,638	4,647	0,216	97,39	31,38	66,01	68,925	4,744	2,50	56,001	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,231	57,20	3,098	177,18	---	0,968	0,262		
1	4,648	4,546	0,210	97,60	31,48	66,12	67,279	4,724	2,51	54,709	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,230	55,91	3,129	174,94	---	0,968	0,262		
1	4,658	4,428	0,204	97,81	31,58	66,23	65,385	4,701	2,51	53,213	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,229	54,41	3,167	172,34	---	0,968	0,262		
1	4,668	4,327	0,199	98,02	31,68	66,34	63,751	4,712	2,52	51,926	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,228	53,13	3,214	170,74	---	0,968	0,262		
1	4,678	4,280	0,198	98,23	31,78	66,45	62,933	4,727	2,53	51,302	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,227	52,51	3,241	170,19	---	0,968	0,263		
1	4,688	4,206	0,193	98,44	31,88	66,56	61,713	4,704	2,53	50,349	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,226	51,56	3,265	168,33	---	0,968	0,263		
1	4,698	4,085	0,189	98,65	31,98	66,67	59,789	4,750	2,54	48,820	2,60	GRANULAR	Plastic	NO LIQUEFACTION	1,355	55,36	3,340	184,90	---	0,968	0,263		
1	4,708	4,031	0,187	98,86	32,08	66,78	58,881	4,752	2,55	48,118	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,354	54,57	3,367	183,72	---	0,968	0,263		
1	4,718	3,940	0,181	99,07	32,18	66,89	57,422	4,705	2,55	46,964	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,352	53,27	3,392	180,71	---	0,968	0,263		
1	4,728	3,903	0,175	99,28	32,28	67,00	56,772	4,588	2,55	46,471	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,350	52,70	3,363	177,25	---	0,967	0,263		
1	4,738	3,866	0,167	99,49	32,38	67,11	56,124	4,428	2,54	45,978	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	1,221	47,19	3,315	156,43	0,4360	0,967	0,263	1,66	2,39
1	4,747	3,890	0,167	99,70	32,47	67,22	56,380	4,412	2,54	46,225	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	1,220	47,44	3,298	156,45	0,4361	0,967	0,263	1,66	2,39
1	4,757	3,974	0,169	99,91	32,57	67,33	57,535	4,368	2,53	47,211	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,219	48,43	3,240	156,93	0,4394	0,967	0,263	1,67	2,41
1	4,767	3,967	0,166	100,12	32,67	67,44	57,338	4,288	2,52	47,088	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,218	48,31	3,211	155,11	0,4271	0,967	0,264	1,62	2,34
1	4,777	3,913	0,171	100,33	32,77	67,55	56,444	4,472	2,54	46,391	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	1,217	47,61	3,317	157,92	0,4463	0,967	0,264		
1	4,787	3,812	0,168	100,54	32,87	67,66	54,856	4,526	2,55	45,123	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,340	51,10	3,392	173,31	---	0,967	0,264	---	-10,00
1	4,797	3,640	0,172	100,75	32,97	67,77	52,230	4,860	2,59	42,998	2,65	GRANULAR	Plastic	NO LIQUEFACTION	1,339	48,74	3,629	176,86	---	0,967	0,264	---	-10,00
1	4,807	3,539	0,002	100,96	33,07	67,88	50,654	0,063	1,77	41,734	1,85	GRANULAR	Non Plastic	CHECK LIQUEF.	1,214	42,96	1,145	49,18	0,0910	0,967	0,264	0,34	0,50
1	4,817	3,432	0,173	101,17	33,17	67,99	48,984	5,193	2,63	40,391	2,69	CLAYEY	Plastic	NO LIQUEFACTION	1,336	45,83	3,902	178,82	---	0,967	0,264	---	-10,00
1	4,827	3,351	0,177	101,38	33,27	68,10	47,715	5,435	2,65	39,376	2,71	CLAYEY	Plastic	NO LIQUEFACTION	1,334	44,70	4,061	181,50	---	0,967	0,264	---	-10,00
1	4,837	3,337	0,180	101,59	33,37	68,21	47,438	5,549	2,66	39,179	2,72	CLAYEY	Plastic	NO LIQUEFACTION	1,332	44,46	4,120	183,19	---	0,967	0,264	---	-10,00
1	4,847	3,230	0,189	101,79	33,47	68,32	45,781	6,051	2,70	37,841	2,75	CLAYEY	Plastic	NO LIQUEFACTION	1,331	42,98	4,410	189,53	---	0,967	0,264	---	-10,00
1	4,857	3,166	0,196	102,00	33,57	68,43	44,769	6,385	2,72	37,035	2,78	CLAYEY	Plastic	NO LIQUEFACTION	1,329	42,07	4,599	193,51	---	0,967	0,264	---	-10,00
1	4,867	3,075	0,195	102,21	33,67	68,54	43,368	6,552	2,74	35,904	2,80	CLAYEY	Plastic	NO LIQUEFACTION	1,328	40,82	4,744	193,63	---	0,966	0,265	---	-10,00
1	4,877	1,226	0,202	102,42	33,77	68,65	16,364	17,939	3,35	13,559	3,40	CLAYEY	Plastic	NO LIQUEFACTION	1,326	16,25	12,390	201,39	---	0,966	0,265	---	-10,00
1	4,887	3,159	0,210	102,63	33,87	68,76	44,448	6,867	2,75	36,857	2,80	CLAYEY	Plastic	NO LIQUEFACTION	1,324	41,83	4,805	201,01	---	0,966	0,265	---	-10,00
1	4,897	3,250	0,216	102,84	33,97	68,87	45,694	6,856	2,74	37,921	2,79	CLAYEY	Plastic	NO LIQUEFACTION	1,323	42,99	4,729	203,31	---	0,966	0,265	---	-10,00
1	4,907	3,233	0,224	103,05	34,07	68,98	45,374	7,152	2,76	37,685	2,81	CLAYEY	Plastic	NO LIQUEFACTION	1,321	42,71	4,860	207,60	---	0,966	0,265	---	-10,00
1	4,917	3,196	0,233	103,26	34,17	69,09	44,763	7,523	2,78	37,207	2,83	CLAYEY	Plastic	NO LIQUEFACTION	1,320	42,17	5,035	212,34	---	0,966	0,265	---	-10,00
1	4,927	3,257	0,236	103,47	34,27	69,20	45,565	7,479	2,77	37,904	2,82	CLAYEY	Plastic	NO LIQUEFACTION	1,318	42,92	4,971	213,35	---	0,966	0,265	---	-10,00
1	4,937	3,344	0,238	103,68	34,37	69,31	46,753	7,340	2,76	38,923	2,81	CLAYEY	Plastic	NO LIQUEFACTION	1,316	44,02	4,851	213,55	---	0,966	0,265	---	-10,00
1	4,947	3,354	0,240	103,89	34,47	69,42	46,821	7,373	2,76	39,011	2,81	CLAYEY	Plastic	NO LIQUEFACTION	1,315	44,10	4,858	214,25	---	0,966	0,265	---	-10,00
1	4,957	3,324	0,240	104,10	34,57	69,53	46,309																

GU	Depth (m)	qc (MPa)	fs (MPa)	σv (kPa)	u (kPa)	σ'v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	5,047	3,405	0,205	105,99	35,47	70,52	46,779	6,203	2,70	39,282	2,75	CLAYEY	Plastic	NO LIQUEFACTION	1,300	44,24	4,385	193,99	---	0,965	0,266	---	-10,00
1	5,057	3,445	0,202	106,20	35,57	70,63	47,275	6,061	2,69	39,730	2,74	CLAYEY	Plastic	NO LIQUEFACTION	1,298	44,72	4,301	192,31	---	0,965	0,266	---	-10,00
1	5,067	3,526	0,198	106,41	35,67	70,74	48,342	5,779	2,67	40,658	2,72	CLAYEY	Plastic	NO LIQUEFACTION	1,296	45,71	4,133	188,94	---	0,965	0,266	---	-10,00
1	5,077	3,610	0,198	106,62	35,77	70,85	49,452	5,653	2,65	41,624	2,70	CLAYEY	Plastic	NO LIQUEFACTION	1,295	46,75	4,029	188,38	---	0,965	0,267	---	-10,00
1	5,087	3,735	0,200	106,83	35,87	70,96	51,129	5,514	2,64	43,069	2,69	CLAYEY	Plastic	NO LIQUEFACTION	1,293	48,31	3,900	188,38	---	0,965	0,267	---	-10,00
1	5,097	3,752	0,197	107,04	35,97	71,07	51,284	5,414	2,63	43,233	2,68	CLAYEY	Plastic	NO LIQUEFACTION	1,292	48,47	3,851	186,63	---	0,965	0,267	---	-10,00
1	5,107	3,725	0,196	107,25	36,07	71,18	50,823	5,410	2,63	42,878	2,68	CLAYEY	Plastic	NO LIQUEFACTION	1,290	48,07	3,866	185,83	---	0,965	0,267	---	-10,00
1	5,117	3,711	0,193	107,46	36,17	71,29	50,553	5,349	2,63	42,682	2,68	CLAYEY	Plastic	NO LIQUEFACTION	1,289	47,84	3,851	184,20	---	0,965	0,267	---	-10,00
1	5,127	3,725	0,192	107,67	36,27	71,40	50,661	5,317	2,63	42,807	2,68	CLAYEY	Plastic	NO LIQUEFACTION	1,287	47,95	3,831	183,71	---	0,965	0,267	---	-10,00
1	5,137	3,718	0,195	107,87	36,37	71,51	50,486	5,414	2,63	42,692	2,68	CLAYEY	Plastic	NO LIQUEFACTION	1,286	47,81	3,877	185,36	---	0,964	0,267	---	-10,00
1	5,147	3,654	0,200	108,08	36,47	71,62	49,512	5,638	2,65	41,900	2,70	CLAYEY	Plastic	NO LIQUEFACTION	1,285	46,94	4,009	188,18	---	0,964	0,267	---	-10,00
1	5,157	3,610	0,202	108,29	36,57	71,73	48,823	5,780	2,66	41,349	2,71	CLAYEY	Plastic	NO LIQUEFACTION	1,283	46,32	4,096	189,73	---	0,964	0,267	---	-10,00
1	5,167	3,573	0,202	108,50	36,67	71,84	48,230	5,835	2,67	40,878	2,72	CLAYEY	Plastic	NO LIQUEFACTION	1,282	45,79	4,144	189,76	---	0,964	0,267	---	-10,00
1	5,177	3,502	0,204	108,71	36,77	71,95	47,170	6,016	2,69	40,010	2,74	CLAYEY	Plastic	NO LIQUEFACTION	1,280	44,83	4,266	191,27	---	0,964	0,267	---	-10,00
1	5,187	3,502	0,202	108,92	36,87	72,05	47,096	5,962	2,69	39,977	2,73	CLAYEY	Plastic	NO LIQUEFACTION	1,279	44,78	4,246	190,16	---	0,964	0,267	---	-10,00
1	5,197	3,482	0,198	109,13	36,97	72,16	46,741	5,871	2,68	39,706	2,73	CLAYEY	Plastic	NO LIQUEFACTION	1,277	44,47	4,224	187,88	---	0,964	0,268	---	-10,00
1	5,207	3,395	0,191	109,34	37,07	72,27	45,456	5,829	2,69	38,644	2,74	CLAYEY	Plastic	NO LIQUEFACTION	1,276	43,31	4,269	184,87	---	0,964	0,268	---	-10,00
1	5,217	3,324	0,187	109,55	37,17	72,38	44,407	5,817	2,69	37,781	2,74	CLAYEY	Plastic	NO LIQUEFACTION	1,274	42,36	4,316	182,82	---	0,964	0,268	---	-10,00
1	5,227	3,267	0,183	109,76	37,27	72,49	43,547	5,801	2,70	37,077	2,75	CLAYEY	Plastic	NO LIQUEFACTION	1,273	41,58	4,354	181,03	---	0,964	0,268	---	-10,00
1	5,237	3,250	0,181	109,97	37,37	72,60	43,246	5,754	2,70	36,849	2,75	CLAYEY	Plastic	NO LIQUEFACTION	1,271	41,32	4,348	179,66	---	0,964	0,268	---	-10,00
1	5,247	3,172	0,175	110,18	37,47	72,71	42,113	5,701	2,70	35,911	2,75	CLAYEY	Plastic	NO LIQUEFACTION	1,270	40,29	4,387	176,74	---	0,964	0,268	---	-10,00
1	5,257	3,135	0,171	110,39	37,57	72,82	41,538	5,638	2,70	35,447	2,75	CLAYEY	Plastic	NO LIQUEFACTION	1,269	39,77	4,390	174,61	---	0,964	0,268	---	-10,00
1	5,267	3,145	0,169	110,60	37,67	72,93	41,611	5,560	2,70	35,536	2,75	CLAYEY	Plastic	NO LIQUEFACTION	1,267	39,86	4,350	173,38	---	0,964	0,268	---	-10,00
1	5,277	3,162	0,166	110,81	37,77	73,04	41,776	5,440	2,69	35,704	2,74	CLAYEY	Plastic	NO LIQUEFACTION	1,266	40,02	4,287	171,56	---	0,963	0,268	---	-10,00
1	5,287	3,176	0,164	111,02	37,87	73,15	41,894	5,343	2,68	35,832	2,73	CLAYEY	Plastic	NO LIQUEFACTION	1,264	40,15	4,235	170,03	---	0,963	0,268	---	-10,00
1	5,297	3,189	0,159	111,23	37,97	73,26	42,013	5,180	2,67	35,960	2,72	CLAYEY	Plastic	NO LIQUEFACTION	1,263	40,27	4,154	167,30	---	0,963	0,268	---	-10,00
1	5,307	3,206	0,157	111,44	38,07	73,37	42,176	5,086	2,67	36,127	2,71	CLAYEY	Plastic	NO LIQUEFACTION	1,261	40,44	4,101	165,86	---	0,963	0,268	---	-10,00
1	5,317	3,257	0,153	111,65	38,17	73,48	42,798	4,875	2,65	36,687	2,70	CLAYEY	Plastic	NO LIQUEFACTION	1,260	41,03	3,971	162,94	---	0,963	0,269	---	-10,00
1	5,327	3,290	0,150	111,86	38,27	73,59	43,189	4,731	2,64	37,050	2,68	CLAYEY	Plastic	NO LIQUEFACTION	1,259	41,41	3,883	160,81	---	0,963	0,269	---	-10,00
1	5,337	3,290	0,150	112,07	38,37	73,70	43,122	4,731	2,64	37,020	2,68	CLAYEY	Plastic	NO LIQUEFACTION	1,257	41,36	3,885	160,70	---	0,963	0,269	---	-10,00
1	5,347	3,277	0,149	112,28	38,47	73,81	42,872	4,701	2,64	36,833	2,68	CLAYEY	Plastic	NO LIQUEFACTION	1,256	41,15	3,882	159,76	0,4592	0,963	0,269	---	-10,00
1	5,356	3,253	0,148	112,49	38,56	73,92	42,487	4,708	2,64	36,529	2,69	CLAYEY	Plastic	NO LIQUEFACTION	1,254	40,81	3,904	159,30	0,4559	0,963	0,269	---	-10,00
1	5,366	3,243	0,147	112,70	38,66	74,03	42,285	4,709	2,64	36,382	2,69	CLAYEY	Plastic	NO LIQUEFACTION	1,253	40,63	3,913	159,00	0,4538	0,963	0,269	---	-10,00
1	5,376	3,236	0,147	112,91	38,76	74,14	42,128	4,705	2,64	36,275	2,69	CLAYEY	Plastic	NO LIQUEFACTION	1,252	40,51	3,918	158,68	0,4516	0,963	0,269	---	-10,00
1	5,386	3,220	0,146	113,12	38,86	74,25	41,836	4,694	2,64	36,050	2,69	CLAYEY	Plastic	NO LIQUEFACTION	1,250	40,25	3,926	158,04	0,4471	0,963	0,269	---	-10,00
1	5,396	3,203	0,146	113,32	38,96	74,36	41,545	4,713	2,65	35,826	2,69	CLAYEY	Plastic	NO LIQUEFACTION	1,249	39,99	3,949	157,94	0,4464	0,963	0,269	---	-10,00
1	5,406	3,172	0,145	113,53	39,06	74,47	41,074	4,731	2,65	35,446	2,70	CLAYEY	Plastic	NO LIQUEFACTION	1,247	39,57	3,981	157,54	0,4436	0,962	0,269	---	-10,00
1	5,416	3,156	0,145	113,74	39,16	74,58	40,785	4,757	2,66	35,222	2,70	CLAYEY	Plastic	NO LIQUEFACTION	1,246	39,32	4,008	157,58	0,4439	0,962	0,269	---	-10,00
1	5,426	3,142	0,143	113,95	39,26	74,69	40,542	4,735	2,66	35,038	2,70	CLAYEY	Plastic	NO LIQUEFACTION	1,245	39,11	4,009	156,78	0,4384	0,962	0,269	---	-10,00
1	5,436	3,125	0,142	114,16	39,36	74,80	40,255	4,709	2,66	34,815	2,70	CLAYEY	Plastic	NO LIQUEFACTION	1,243	38,86	4,011	155,87	0,4322	0,962	0,270	---	-10,00
1	5,446	3,125	0,140	114,37	39,46	74,91	40,193	4,665	2,66	34,787	2,70	CLAYEY	Plastic	NO LIQUEFACTION	1,242	38,81	3,992	154,95	0,4260	0,962	0,270	---	-10,00
1	5,456	3,129	0,140	114,58	39,56	75,02	40,176	4,631	2,65	34,798	2,70	CLAYEY	Plastic	NO LIQUEFACTION	1,241	38,81	3,975	154,29	0,4216	0,962	0,270	---	-10,00
1	5,466	3,125	0,138	114,79	39,66	75,13	40,070	4,584	2,65	34,731	2,69	CLAYEY	Plastic	NO LIQUEFACTION	1,239	38,73	3,957	153,26	0,4148	0,962	0,270	---	-10,00
1	5,476	3,145	0,136	115,00	39,76	75,24	40,277	4,473	2,64	34,937	2,69	CLAYEY	Plastic	NO LIQUEFACTION	1,238	38,94	3,891	151,49	0,4034	0,962	0,270	---	-10,00
1	5,486	3,162	0,136	115,21	39,86	75,35	40,439	4,449	2,64	35,103	2,68	CLAYEY	Plastic	NO LIQUEFACTION	1,236	39,10	3,869	151,28	0,4020	0,962	0,270	---	-10,00
1	5,496	3,196	0,135	115,42	39,96	75,46	40,824	4,386	2,63	35,462	2,67	CLAYEY	Plastic	NO LIQUEFACTION	1,235	39,47	3,816	150,65	0,3980	0,962	0,270	---	-10,00
1	5,506	3,233	0,134	115,63	40,06	75,57	41,252	4,306	2,62	35,860	2,67	CLAYEY	Plastic	NO LIQUEFACTION	1,234	39,89	3,754	149,73	0,3922	0,962	0,270	---	-10,00
1	5,516	3,260	0,133	115,84	40,16	75,68	41,546	4,240	2,62	36,142	2,66	CLAYEY	Plastic	NO LIQUEFACTION	1,232	40,18	3,706	148,88	0,3869	0,962	0,270	---	-10,00
1	5,526	3,294	0,132	116,05	40,26	75,79	41,927	4,139	2,61	36,500	2,65	CLAYEY	Plastic	NO LIQUEFACTION	1,231	40,55	3,636	147,42	0,3780	0,962	0,270	---	-10,00
1	5,536	3,327	0,132	116,26	40,36	75,90	42,307	4,110	2,60	36,858	2,64	CLAYEY	Plastic	NO LIQUEFACTION	1,230	40,92	3,601	147,36	0,3776	0,961	0,270	---	-10,00
1	5,546	3,371	0,132	116,47	40,46	76,01	42,819	4,062	2,59	37,331	2,64	GRANULAR	Plastic	NO LIQUEFACTION	1,228	41,41	3,552	147,09	0,3760	0,961	0,270	---	-10,00
1	5,556	3,395	0,133	116,68	40,56	76,12	43,065	4,061	2,59	37,572	2,63	GRANULAR	Plastic	NO LIQUEFACTION	1,227	41,66	3,538	147,39	0,3778	0,961	0,270	---	-10,00
1	5,566	3,425	0,132	116,89	40,66	76,23	43,398	4,003	2,58	37,889	2,63												

GU	Depth (m)	qc (MPa)	fs (MPa)	σv (kPa)	u (kPa)	σ'v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	5,676	3,492	0,131	119,19	41,76	77,43	43,561	3,888	2,57	38,332	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,211	42,31	3,415	144,46	0,3604	0,960	0,271	---	-10,00
1	5,686	3,486	0,130	119,40	41,86	77,54	43,410	3,863	2,57	38,226	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,210	42,18	3,408	143,74	0,3562	0,960	0,271	---	-10,00
1	5,696	3,499	0,131	119,61	41,96	77,65	43,519	3,874	2,57	38,350	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,209	42,30	3,407	144,11	0,3583	0,960	0,271	---	-10,00
1	5,706	3,539	0,133	119,82	42,06	77,76	43,975	3,888	2,57	38,778	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,208	42,74	3,392	144,96	0,3633	0,960	0,272	---	-10,00
1	5,716	3,576	0,133	120,03	42,16	77,87	44,386	3,858	2,57	39,169	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,206	43,14	3,358	144,88	0,3628	0,960	0,272	---	-10,00
1	5,726	3,600	0,134	120,24	42,26	77,98	44,623	3,839	2,56	39,406	2,60	GRANULAR	Plastic	NO LIQUEFACTION	1,205	43,38	3,337	144,77	0,3622	0,960	0,272	---	-10,00
1	5,736	3,620	0,134	120,45	42,36	78,09	44,817	3,830	2,56	39,604	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	1,132	40,97	3,323	136,14	0,3147	0,960	0,272	1,16	1,67
1	5,746	3,664	0,134	120,66	42,46	78,20	45,311	3,771	2,55	40,069	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,131	41,43	3,273	135,60	0,3119	0,960	0,272	1,15	1,65
1	5,756	3,694	0,133	120,87	42,56	78,31	45,632	3,734	2,55	40,381	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,130	41,75	3,240	135,26	0,3101	0,960	0,272	1,14	1,64
1	5,766	3,691	0,135	121,08	42,66	78,42	45,522	3,788	2,55	40,313	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,129	41,68	3,269	136,26	0,3153	0,960	0,272	1,16	1,67
1	5,775	3,627	0,136	121,29	42,75	78,53	44,641	3,871	2,57	39,560	2,60	GRANULAR	Plastic	NO LIQUEFACTION	1,199	43,48	3,345	145,42	0,3660	0,960	0,272	---	-10,00
1	5,785	3,566	0,136	121,49	42,85	78,64	43,806	3,939	2,58	38,847	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,197	42,71	3,413	145,76	0,3680	0,959	0,272	---	-10,00
1	5,795	3,560	0,136	121,70	42,95	78,75	43,657	3,947	2,58	38,741	2,62	GRANULAR	Plastic	NO LIQUEFACTION	1,196	42,58	3,422	145,72	0,3678	0,959	0,272	---	-10,00
1	5,805	3,600	0,135	121,91	43,05	78,86	44,106	3,889	2,57	39,167	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,195	43,02	3,373	145,09	0,3641	0,959	0,272	---	-10,00
1	5,815	3,667	0,129	122,12	43,15	78,97	44,895	3,642	2,55	39,895	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,125	41,27	3,218	132,82	0,2979	0,959	0,272	1,09	1,58
1	5,825	3,688	0,132	122,33	43,25	79,08	45,085	3,692	2,55	40,093	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,125	41,47	3,233	134,08	0,3041	0,959	0,272	1,12	1,61
1	5,835	3,688	0,136	122,54	43,35	79,19	45,020	3,806	2,56	40,063	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,124	41,44	3,290	136,32	0,3156	0,959	0,272	1,16	1,67
1	5,845	3,715	0,137	122,75	43,45	79,30	45,295	3,809	2,56	40,335	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,123	41,71	3,278	136,75	0,3178	0,959	0,272	1,17	1,68
1	5,855	3,741	0,137	122,96	43,55	79,41	45,569	3,800	2,55	40,607	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,122	41,99	3,261	136,92	0,3187	0,959	0,273	1,17	1,69
1	5,865	3,745	0,137	123,17	43,65	79,52	45,546	3,790	2,55	40,615	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,121	42,00	3,256	136,75	0,3179	0,959	0,273	1,17	1,68
1	5,875	3,752	0,138	123,38	43,75	79,63	45,565	3,809	2,55	40,660	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,121	42,04	3,263	137,19	0,3201	0,959	0,273	1,17	1,69
1	5,885	3,688	0,138	123,59	43,85	79,74	44,698	3,878	2,57	39,913	2,60	GRANULAR	Plastic	NO LIQUEFACTION	1,185	43,70	3,331	145,57	0,3669	0,959	0,273	---	-10,00
1	5,895	3,721	0,138	123,80	43,95	79,85	45,056	3,848	2,56	40,260	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	1,119	41,65	3,300	137,44	0,3215	0,959	0,273	1,18	1,70
1	5,905	3,691	0,137	124,01	44,05	79,96	44,612	3,855	2,56	39,891	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	1,118	41,28	3,321	137,09	0,3196	0,958	0,273	1,17	1,69
1	5,915	3,688	0,139	124,21	44,15	80,06	44,506	3,890	2,57	39,824	2,60	GRANULAR	Plastic	NO LIQUEFACTION	1,181	43,57	3,341	145,57	0,3669	0,958	0,273	---	-10,00
1	5,925	3,694	0,137	124,42	44,25	80,17	44,527	3,838	2,56	39,869	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	1,117	41,26	3,314	136,74	0,3178	0,958	0,273	1,16	1,68
1	5,935	3,721	0,136	124,63	44,35	80,28	44,799	3,771	2,56	40,141	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,116	41,53	3,269	135,78	0,3128	0,958	0,273	1,15	1,65
1	5,945	3,755	0,135	124,84	44,45	80,39	45,154	3,712	2,55	40,486	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,115	41,88	3,224	135,04	0,3090	0,958	0,273	1,13	1,63
1	5,955	3,765	0,136	125,05	44,55	80,50	45,216	3,726	2,55	40,569	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,115	41,96	3,228	135,44	0,3111	0,958	0,273	1,14	1,64
1	5,965	3,755	0,137	125,26	44,65	80,61	45,026	3,773	2,56	40,427	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,114	41,82	3,257	136,21	0,3150	0,958	0,273	1,15	1,66
1	5,975	3,715	0,136	125,47	44,75	80,72	44,462	3,785	2,56	39,947	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,113	41,34	3,285	135,81	0,3130	0,958	0,273	1,15	1,65
1	5,985	3,674	0,133	125,68	44,85	80,83	43,899	3,752	2,56	39,468	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,112	40,87	3,292	134,54	0,3065	0,958	0,273	1,12	1,62
1	5,995	3,647	0,130	125,89	44,95	80,94	43,504	3,685	2,56	39,140	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,112	40,54	3,275	132,77	0,2977	0,958	0,273	1,09	1,57
1	6,005	3,614	0,126	126,10	45,05	81,05	43,027	3,604	2,56	38,737	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,111	40,14	3,255	130,64	0,2874	0,958	0,273	1,05	1,52
1	6,015	3,593	0,123	126,31	45,15	81,16	42,718	3,554	2,55	38,484	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,110	39,89	3,242	129,32	0,2811	0,958	0,274	1,03	1,48
1	6,025	3,570	0,122	126,52	45,25	81,27	42,367	3,539	2,55	38,194	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,109	39,60	3,249	128,66	0,2781	0,957	0,274	1,02	1,47
1	6,035	3,533	0,121	126,73	45,35	81,38	41,853	3,544	2,56	37,756	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,109	39,16	3,274	128,21	0,2760	0,957	0,274	1,01	1,45
1	6,045	3,563	0,120	126,94	45,45	81,49	42,166	3,500	2,55	38,064	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,108	39,47	3,236	127,73	0,2738	0,957	0,274	1,00	1,44
1	6,054	3,600	0,121	127,14	45,54	81,60	42,560	3,489	2,55	38,446	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,107	39,85	3,212	127,99	0,2750	0,957	0,274	1,00	1,45
1	6,064	3,603	0,120	127,35	45,64	81,71	42,542	3,466	2,55	38,455	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,106	39,86	3,200	127,55	0,2730	0,957	0,274	1,00	1,44
1	6,074	3,593	0,123	127,56	45,74	81,82	42,359	3,554	2,56	38,315	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,106	39,73	3,251	129,14	0,2803	0,957	0,274	1,02	1,48
1	6,084	3,593	0,122	127,77	45,84	81,93	42,300	3,516	2,55	38,287	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,105	39,70	3,233	128,34	0,2766	0,957	0,274	1,01	1,46
1	6,094	3,603	0,122	127,98	45,94	82,04	42,364	3,512	2,55	38,371	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,104	39,78	3,227	128,38	0,2768	0,957	0,274	1,01	1,46
1	6,104	3,600	0,121	128,19	46,04	82,15	42,264	3,490	2,55	38,306	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,103	39,72	3,219	127,87	0,2744	0,957	0,274	1,00	1,44
1	6,114	3,597	0,121	128,40	46,14	82,26	42,164	3,501	2,55	38,241	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,103	39,66	3,228	128,00	0,2750	0,957	0,274	1,00	1,45
1	6,124	3,573	0,120	128,61	46,24	82,37	41,819	3,473	2,55	37,953	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,102	39,37	3,228	127,09	0,2709	0,957	0,274	0,99	1,42
1	6,134	3,566	0,117	128,82	46,34	82,48	41,679	3,415	2,55	37,852	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,101	39,27	3,203	125,80	0,2652	0,957	0,274	0,97	1,39
1	6,144	3,543	0,114	129,03	46,44	82,59	41,336	3,342	2,55	37,565	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,100	38,98	3,180	123,97	0,2572	0,956	0,274	0,94	1,35
1	6,154	3,553	0,113	129,24	46,54	82,70	41,401	3,297	2,54	37,649	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,100	39,07	3,153	123,17	0,2538	0,956	0,274	0,93	1,33
1	6,164	3,566	0,113	129,45	46,64	82,81	41,506	3,286	2,54	37,770	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,099	39,19	3,141	123,12	0,2536	0,956	0,274	0,92	1,33
1	6,174	3,617	0,114	129,66	46,74	82,91	42,058	3,276	2,53	38,297	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,098	39,72	3,111	123,55	0,2554	0,956	0,274	0,93	1,34
1	6,184	3,654	0,115	129,86	46,84	83,02	42,446	3,277	2,53	38,676	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.									

GU	Depth (m)	qc (MPa)	fs (MPa)	σv (kPa)	u (kPa)	σ'v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	6,304	5,001	0,143	132,38	48,04	84,34	57,727	2,946	2,40	53,014	2,43	GRANULAR	Non Plastic	CHECK LIQUEF.	1,089	54,46	2,435	132,60	0,2968	0,955	0,275	1,08	1,56
1	6,314	4,890	0,146	132,58	48,14	84,45	56,333	3,070	2,42	51,768	2,45	GRANULAR	Non Plastic	CHECK LIQUEF.	1,088	53,21	2,524	134,29	0,3052	0,955	0,275	1,11	1,60
1	6,324	4,742	0,150	132,79	48,24	84,56	54,505	3,255	2,45	50,121	2,48	GRANULAR	Non Plastic	CHECK LIQUEF.	1,087	51,56	2,654	136,85	0,3184	0,955	0,275	1,16	1,67
1	6,333	4,647	0,150	133,00	48,33	84,67	53,319	3,322	2,46	49,061	2,49	GRANULAR	Non Plastic	CHECK LIQUEF.	1,087	50,51	2,717	137,21	0,3203	0,955	0,275	1,16	1,68
1	6,343	4,486	0,148	133,21	48,43	84,78	51,341	3,403	2,48	47,272	2,51	GRANULAR	Non Plastic	CHECK LIQUEF.	1,086	48,72	2,812	136,98	0,3190	0,955	0,275	1,16	1,67
1	6,353	4,358	0,146	133,42	48,53	84,89	49,764	3,456	2,50	45,850	2,52	GRANULAR	Non Plastic	CHECK LIQUEF.	1,085	47,30	2,886	136,50	0,3165	0,955	0,275	1,15	1,66
1	6,363	4,327	0,147	133,63	48,63	85,00	49,341	3,508	2,50	45,489	2,53	GRANULAR	Non Plastic	CHECK LIQUEF.	1,085	46,94	2,923	137,19	0,3202	0,955	0,275	1,16	1,68
1	6,373	4,301	0,148	133,84	48,73	85,11	48,959	3,559	2,51	45,166	2,54	GRANULAR	Non Plastic	CHECK LIQUEF.	1,084	46,62	2,959	137,92	0,3240	0,954	0,275	1,18	1,70
1	6,383	4,149	0,146	134,05	48,83	85,22	47,115	3,625	2,53	43,493	2,55	GRANULAR	Non Plastic	CHECK LIQUEF.	1,083	44,94	3,054	137,27	0,3205	0,954	0,276	1,16	1,68
1	6,393	3,940	0,143	134,26	48,93	85,33	44,605	3,749	2,56	41,202	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,083	42,66	3,210	136,93	0,3188	0,954	0,276	1,16	1,67
1	6,403	3,839	0,139	134,47	49,03	85,44	43,363	3,754	2,57	40,080	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,082	41,54	3,264	135,56	0,3117	0,954	0,276	1,13	1,63
1	6,413	3,678	0,132	134,68	49,13	85,54	41,415	3,731	2,58	38,305	2,60	GRANULAR	Plastic	NO LIQUEFACTION	1,124	41,34	3,339	138,04	0,3246	0,954	0,276	---	-10,00
1	6,423	3,546	0,131	134,89	49,23	85,65	39,826	3,837	2,60	36,859	2,62	GRANULAR	Plastic	NO LIQUEFACTION	1,123	39,83	3,467	138,10	0,3250	0,954	0,276	---	-10,00
1	6,433	3,486	0,095	135,09	49,33	85,76	39,066	2,826	2,51	36,179	2,54	GRANULAR	Non Plastic	CHECK LIQUEF.	1,080	37,64	2,974	111,92	0,2104	0,954	0,276	0,76	1,10
1	6,443	3,634	0,121	135,30	49,43	85,87	40,739	3,461	2,56	37,752	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,079	39,21	3,232	126,73	0,2693	0,954	0,276	0,98	1,41
1	6,453	3,506	0,123	135,51	49,53	85,98	39,197	3,651	2,59	36,346	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,120	39,26	3,402	133,57	0,3016	0,954	0,276	---	-10,00
1	6,463	3,725	0,123	135,72	49,63	86,09	41,687	3,418	2,55	38,680	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,078	40,14	3,165	127,04	0,2707	0,954	0,276	0,98	1,41
1	6,473	4,193	0,127	135,93	49,73	86,20	47,062	3,137	2,49	43,695	2,51	GRANULAR	Non Plastic	CHECK LIQUEF.	1,077	45,16	2,813	127,03	0,2706	0,954	0,276	0,98	1,41
1	6,483	4,927	0,126	136,14	49,83	86,31	55,505	2,628	2,38	51,567	2,40	GRANULAR	Non Plastic	CHECK LIQUEF.	1,076	53,03	2,327	123,42	0,2548	0,954	0,276	0,92	1,33
1	6,493	6,628	0,130	136,35	49,93	86,42	75,112	2,007	2,20	69,826	2,23	GRANULAR	Non Plastic	CHECK LIQUEF.	1,076	71,29	1,737	123,82	0,2566	0,953	0,276	0,93	1,34
1	6,503	7,520	0,130	136,56	50,03	86,53	85,328	1,759	2,12	79,373	2,15	GRANULAR	Non Plastic	CHECK LIQUEF.	1,075	80,84	1,548	125,14	0,2622	0,953	0,276	0,95	1,37
1	6,513	7,951	0,136	136,77	50,13	86,64	90,192	1,742	2,10	83,952	2,13	GRANULAR	Non Plastic	CHECK LIQUEF.	1,074	85,42	1,506	128,65	0,2780	0,953	0,276	1,01	1,45
1	6,523	9,288	0,150	136,98	50,23	86,75	105,488	1,643	2,04	98,251	2,06	GRANULAR	Non Plastic	CHECK LIQUEF.	1,074	99,72	1,387	138,33	0,3262	0,953	0,276	1,18	1,70
1	6,533	9,989	0,135	137,19	50,33	86,86	113,417	1,373	1,96	105,703	1,98	GRANULAR	Non Plastic	CHECK LIQUEF.	1,073	107,17	1,279	137,07	0,3195	0,953	0,276	1,16	1,67
1	6,543	10,625	0,157	137,40	50,43	86,97	120,590	1,493	1,97	112,459	1,99	GRANULAR	Non Plastic	CHECK LIQUEF.	1,072	113,93	1,286	146,54	0,3726	0,953	0,276	1,35	1,94
1	6,553	12,107	0,161	137,60	50,53	87,08	137,453	1,345	1,90	128,265	1,92	GRANULAR	Non Plastic	CHECK LIQUEF.	1,072	129,74	1,205	156,34	0,4354	0,953	0,276		
1	6,563	12,289	0,159	137,81	50,63	87,19	139,363	1,308	1,88	130,130	1,90	GRANULAR	Non Plastic	CHECK LIQUEF.	1,071	131,61	1,192	156,92	0,4393	0,953	0,276		
1	6,573	12,373	0,161	138,02	50,73	87,30	140,150	1,315	1,88	130,947	1,90	GRANULAR	Non Plastic	CHECK LIQUEF.	1,070	132,42	1,192	157,87	0,4459	0,953	0,276		
1	6,583	12,268	0,187	138,23	50,83	87,41	138,778	1,543	1,94	129,746	1,96	GRANULAR	Non Plastic	CHECK LIQUEF.	1,070	131,22	1,246	163,52	---	0,953	0,276		
1	6,592	11,275	0,199	138,44	50,92	87,52	127,250	1,787	2,01	119,043	2,03	GRANULAR	Non Plastic	CHECK LIQUEF.	1,069	120,52	1,338	161,25	---	0,952	0,277		
1	6,602	11,373	0,220	138,65	51,02	87,63	128,203	1,956	2,03	120,010	2,05	GRANULAR	Non Plastic	CHECK LIQUEF.	1,068	121,49	1,377	167,29	---	0,952	0,277		
1	6,612	11,517	0,215	138,86	51,12	87,74	129,691	1,894	2,02	121,479	2,04	GRANULAR	Non Plastic	CHECK LIQUEF.	1,068	122,96	1,356	166,72	---	0,952	0,277		
1	6,622	12,312	0,246	139,07	51,22	87,85	138,574	2,025	2,02	129,880	2,04	GRANULAR	Non Plastic	CHECK LIQUEF.	1,067	131,36	1,359	178,51	---	0,952	0,277		
1	6,632	12,157	0,249	139,28	51,32	87,96	136,638	2,076	2,04	128,145	2,05	GRANULAR	Non Plastic	CHECK LIQUEF.	1,066	129,63	1,377	178,53	---	0,952	0,277		
1	6,642	12,140	0,251	139,49	51,42	88,06	136,274	2,090	2,04	127,884	2,06	GRANULAR	Non Plastic	CHECK LIQUEF.	1,066	129,37	1,382	178,75	---	0,952	0,277		
1	6,652	12,046	0,243	139,70	51,52	88,17	135,033	2,040	2,03	126,798	2,05	GRANULAR	Non Plastic	CHECK LIQUEF.	1,065	128,29	1,373	176,17	---	0,952	0,277		
1	6,662	12,491	0,268	139,91	51,62	88,28	139,899	2,170	2,04	131,448	2,06	GRANULAR	Non Plastic	CHECK LIQUEF.	1,064	132,94	1,389	184,60	---	0,952	0,277		
1	6,672	12,615	0,238	140,12	51,72	88,39	141,132	1,909	2,00	132,690	2,02	GRANULAR	Non Plastic	CHECK LIQUEF.	1,064	134,18	1,323	177,45	---	0,952	0,277		
1	6,682	12,804	0,299	140,32	51,82	88,50	143,086	2,357	2,06	134,610	2,08	GRANULAR	Non Plastic	CHECK LIQUEF.	1,063	136,10	1,423	193,64	---	0,952	0,277		
1	6,692	13,919	0,329	140,53	51,92	88,61	155,486	2,384	2,05	146,366	2,06	GRANULAR	Non Plastic	CHECK LIQUEF.	1,062	147,86	1,391	205,61	---	0,952	0,277		
1	6,702	14,057	0,341	140,74	52,02	88,72	156,848	2,451	2,05	147,739	2,07	GRANULAR	Non Plastic	CHECK LIQUEF.	1,062	149,23	1,402	209,15	---	0,951	0,277		
1	6,712	14,114	0,350	140,95	52,12	88,83	157,297	2,503	2,06	148,254	2,08	GRANULAR	Non Plastic	CHECK LIQUEF.	1,061	149,75	1,412	211,39	---	0,951	0,277		
1	6,722	14,532	0,377	141,16	52,22	88,94	161,796	2,622	2,07	152,588	2,08	GRANULAR	Non Plastic	CHECK LIQUEF.	1,060	154,08	1,425	219,62	---	0,951	0,277		
1	6,732	15,562	0,417	141,37	52,32	89,05	173,167	2,704	2,06	163,412	2,08	GRANULAR	Non Plastic	CHECK LIQUEF.	1,060	164,91	1,412	232,90	---	0,951	0,277		
1	6,742	16,525	0,475	141,58	52,42	89,16	183,754	2,902	2,07	173,510	2,08	GRANULAR	Non Plastic	CHECK LIQUEF.	1,059	175,01	1,428	249,85	---	0,951	0,277		
1	6,752	17,094	0,509	141,79	52,52	89,27	189,902	3,003	2,07	179,425	2,09	GRANULAR	Non Plastic	CHECK LIQUEF.	1,058	180,93	1,434	259,40	---	0,951	0,277		
1	6,762	18,468	0,595	142,00	52,62	89,38	205,039	3,247	2,08	193,846	2,10	GRANULAR	Non Plastic	CHECK LIQUEF.	1,058	195,35	1,449	283,03	---	0,951	0,277		
1	6,772	20,263	0,660	142,21	52,72	89,49	224,844	3,280	2,06	212,700	2,08	GRANULAR	Non Plastic	CHECK LIQUEF.	1,057	214,20	1,416	303,34	---	0,951	0,277		
1	6,782	21,307	0,654	142,42	52,82	89,60	236,218	3,088	2,03	223,596	2,04	GRANULAR	Non Plastic	CHECK LIQUEF.	1,056	225,10	1,362	306,63	---	0,951	0,277		
1	6,792	23,496	0,754	142,63	52,92	89,71	260,329	3,230	2,03	246,569	2,04	GRANULAR	Non Plastic	CHECK LIQUEF.	1,056	248,07	1,353	335,55	---	0,951	0,277		
1	6,802	25,591	0,833	142,83	53,02	89,82	283,330	3,274	2,01	268,519	2,02	GRANULAR	Non Plastic	CHECK LIQUEF.	1,055	270,03	1,332	359,62	---	0,951	0,277		
1	6,812	27,474	0,823	143,04	53,12	89,93	303,917	3,011	1,96	288,205	1,98	GRANULAR	Non Plastic	CHECK LIQUEF.	1,055	289,71	1,270	368,05	---	0,950	0,277		
1	6,822	28,420	0,825	143,25	53,22	90,04	314,055	2,918	1,95	298,000	1,96	GRANULAR	Non Plastic	CHECK LIQUEF.	1,054	299,51	1,248	373,82	---	0,950	0,277		
1	6,832	30																					

GU	Depth (m)	qc (MPa)	fs (MPa)	σ_v (kPa)	u (kPa)	σ'_v (kPa)	Q	F	Ic (n=1)	Ic (n=0.5)	Ic (n=0.5)	Type	Behaviour	Liqefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	6,931	39,439	1,142	145,55	54,31	91,24	430,648	2,905	1,88	411,359	1,89	GRANULAR	Non Plastic	CHECK LIQUEF.	1,047	412,88	1,178	486,36	---	0,949	0,278		
1	6,941	36,627	1,180	145,76	54,41	91,35	399,347	3,234	1,94	381,689	1,94	GRANULAR	Non Plastic	CHECK LIQUEF.	1,046	383,21	1,234	472,81	---	0,949	0,278		

CPT	CPT2
Magnitude	6,5
α (NEAK)	0,24
coeff	0,85
a_{max}	0,28

Z water (m)	1,5
γ_w (kN/m ³)	10

GU	γ (kN/m ³)
1	21
2	-
3	-
4	-

Pa (kPa) =	100
n (1.0)	1,0
n (0.5)	0,5

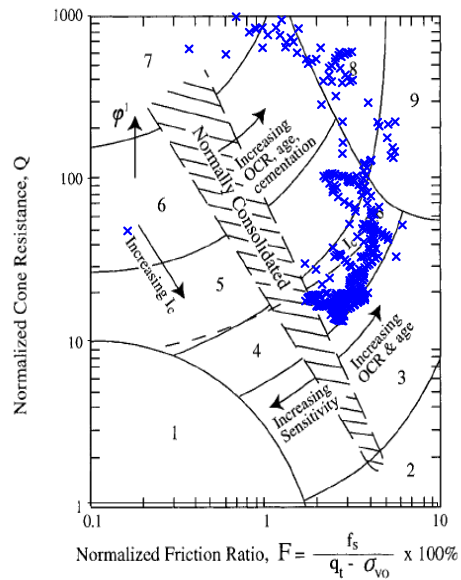
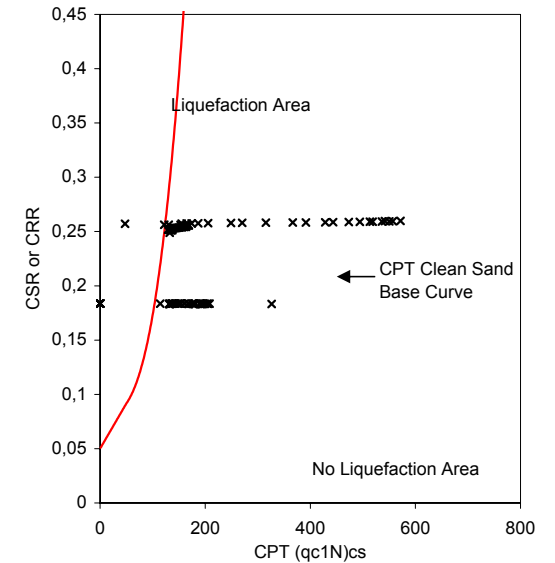
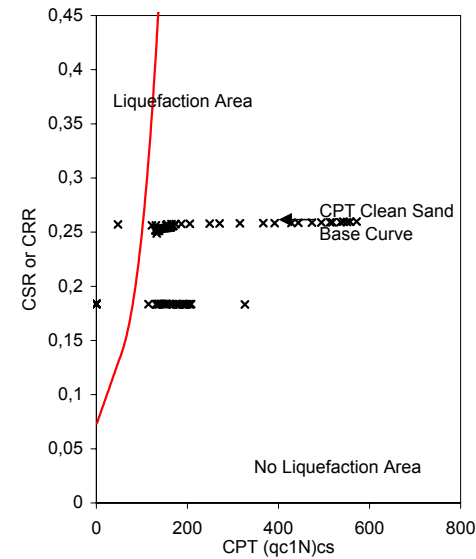
Simplified procedure for Liquefaction evaluation based on the 1996 NCEER and 1998 NCEER/NSF

Limitations:

1. The simplified procedure is verified for depth up to 15m
2. The method is verified for level to gently sloping ground
3. The method is verified for Holocene alluvial or fluvial deposits

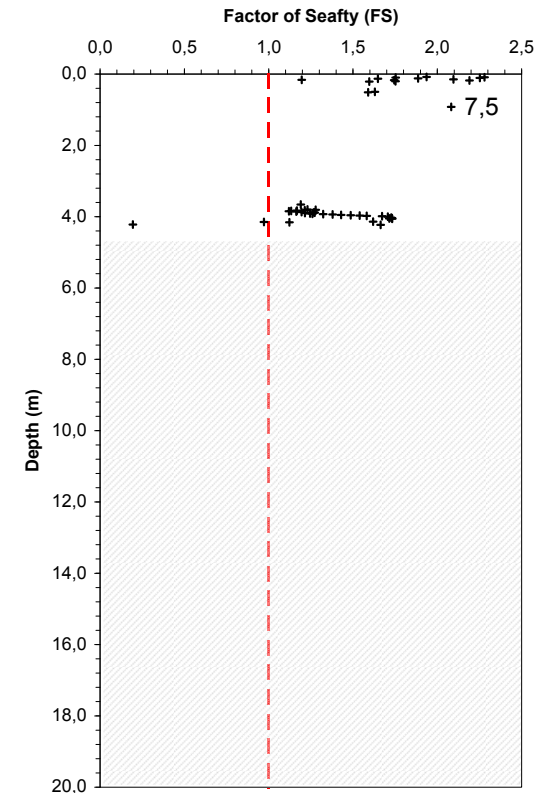
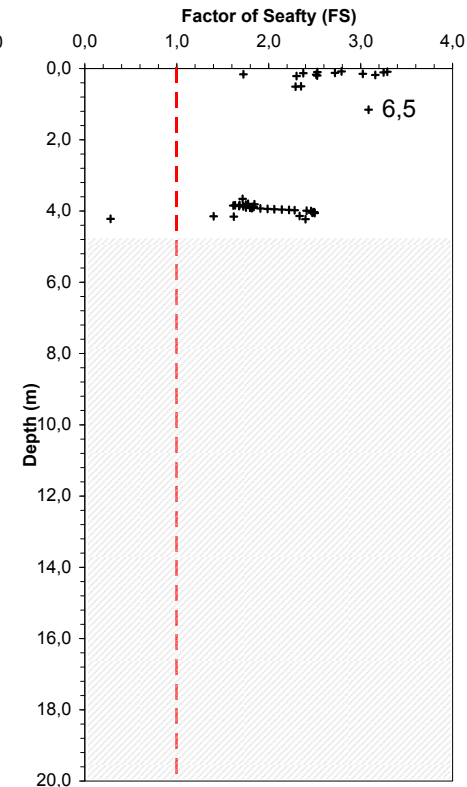
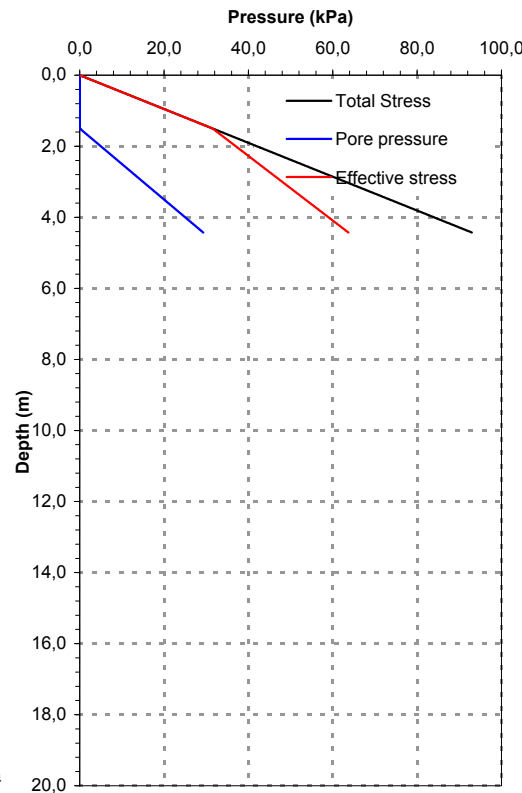
The CPT results are evaluated for earthquake magnitudes stated in the charts

The water table height is based on field observations



1. Sensitive, fine grained
 2. Organic soils - peats
 3. Clays - silty clay to clay
 4. Silt mixtures - clayey silt to silty clay
 5. Sand mixtures - silty sand to sandy silt
 6. Sands - clean sand to silty sand
 7. Gravely sand to dense sand
 8. Very stiff sand to clayey sand*
 9. Very stiff, fine grained*
- *Heavily overconsolidated or cemented

FIG. 5. CPT-Based Soil Behavior-Type Chart Proposed by Robertson (1990)



GU	Depth (m)	qc (MPa)	fs (MPa)	σv (kPa)	u (kPa)	σ'v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	0,010	0,138	0,000	0,21	0,00	0,21	656,759	0,000		30,091										1,001	0,184		
1	0,020	0,384	0,000	0,42	0,00	0,42	913,360	0,000		59,184										1,001	0,184		
1	0,030	0,505	0,000	0,63	0,00	0,63	801,051	0,000		63,573										1,001	0,184		
1	0,040	0,593	0,000	0,84	0,00	0,84	704,792	0,000		64,587										1,001	0,184		
1	0,050	0,640	0,000	1,05	0,00	1,05	608,564	0,000		62,350										1,001	0,184		
1	0,060	0,552	0,000	1,26	0,00	1,26	437,469	0,000		49,098										1,001	0,184		
1	0,070	1,135	0,000	1,47	0,00	1,47	771,281	0,000		93,499										1,001	0,184		
1	0,080	1,404	0,022	1,68	0,00	1,68	835,164	1,583	1,52	108,233	2,02	GRANULAR	Non Plastic	CHECK LIQUEF.	7,716	108,36	1,326	143,65	0,3557	1,001	0,184	1,9365	2,79
1	0,090	1,788	0,023	1,89	0,00	1,89	945,456	1,263	1,41	129,958	1,89	GRANULAR	Non Plastic	CHECK LIQUEF.	7,275	130,10	1,183	153,89	0,4189	1,001	0,184		
1	0,100	1,542	0,022	2,10	0,00	2,10	733,711	1,431	1,50	106,308	1,99	GRANULAR	Non Plastic	CHECK LIQUEF.	6,902	106,45	1,292	137,55	0,3220	1,001	0,184	1,75	2,53
1	0,110	2,283	0,016	2,31	0,00	2,31	987,751	0,692	1,16	150,101	1,67	GRANULAR	Non Plastic	CHECK LIQUEF.	6,581	150,25	1,019	153,11	0,4138	1,001	0,184		
1	0,120	1,744	0,026	2,52	0,00	2,52	691,463	1,480	1,53	109,749	1,99	GRANULAR	Non Plastic	CHECK LIQUEF.	6,300	109,91	1,292	142,04	0,3465	1,001	0,184	1,89	2,72
1	0,130	1,623	0,025	2,73	0,00	2,73	593,775	1,552	1,57	98,092	2,04	GRANULAR	Non Plastic	CHECK LIQUEF.	6,053	98,26	1,361	133,77	0,3026	1,001	0,184	1,65	2,38
1	0,140	1,872	0,040	2,94	0,00	2,94	636,079	2,122	1,68	109,048	2,11	GRANULAR	Non Plastic	CHECK LIQUEF.	5,833	109,22	1,470	160,50	---	1,001	0,184		
1	0,150	2,155	0,029	3,15	0,00	3,15	683,441	1,347	1,49	121,280	1,93	GRANULAR	Non Plastic	CHECK LIQUEF.	5,635	121,46	1,223	148,57	0,3850	1,000	0,184	2,10	3,02
1	0,160	1,950	0,012	3,36	0,00	3,36	579,504	0,605	1,23	106,208	1,76	GRANULAR	Non Plastic	CHECK LIQUEF.	5,456	106,39	1,076	114,53	0,2197	1,000	0,184	1,20	1,73
1	0,170	2,273	0,022	3,57	0,00	3,57	635,942	0,982	1,38	120,139	1,84	GRANULAR	Non Plastic	CHECK LIQUEF.	5,293	120,33	1,141	137,25	0,3204	1,000	0,184	1,75	2,52
1	0,180	2,431	0,032	3,78	0,00	3,78	642,443	1,330	1,50	124,886	1,92	GRANULAR	Non Plastic	CHECK LIQUEF.	5,144	125,08	1,210	151,32	0,4022	1,000	0,184		
1	0,190	3,051	0,032	3,99	0,00	3,99	763,926	1,054	1,37	152,571	1,79	GRANULAR	Non Plastic	CHECK LIQUEF.	5,007	152,77	1,099	167,85	---	1,000	0,184		
1	0,200	1,670	0,037	4,20	0,00	4,20	396,828	2,201	1,79	81,313	2,21	GRANULAR	Non Plastic	CHECK LIQUEF.	4,880	81,52	1,687	137,48	0,3217	1,000	0,184	1,75	2,53
1	0,210	2,768	0,010	4,41	0,00	4,41	626,912	0,371	1,04	131,631	1,56	GRANULAR	Non Plastic	CHECK LIQUEF.	4,763	131,84	1,000	131,84	0,2931	1,000	0,184	1,60	2,30
1	0,220	3,671	0,030	4,62	0,00	4,62	793,784	0,824	1,27	170,591	1,68	GRANULAR	Non Plastic	CHECK LIQUEF.	4,653	170,81	1,024	174,98	---	1,000	0,184		
1	0,230	4,075	0,036	4,83	0,00	4,83	842,922	0,890	1,29	185,223	1,68	GRANULAR	Non Plastic	CHECK LIQUEF.	4,551	185,44	1,022	189,61	---	1,000	0,184		
1	0,240	3,836	0,047	5,04	0,00	5,04	760,301	1,239	1,44	170,661	1,80	GRANULAR	Non Plastic	CHECK LIQUEF.	4,455	170,89	1,110	189,68	---	1,000	0,184		
1	0,250	4,455	0,052	5,25	0,00	5,25	847,913	1,173	1,40	194,252	1,75	GRANULAR	Non Plastic	CHECK LIQUEF.	4,365	194,48	1,071	208,26	---	1,000	0,184		
1	0,260	4,627	0,045	5,46	0,00	5,46	846,728	0,981	1,33	197,822	1,69	GRANULAR	Non Plastic	CHECK LIQUEF.	4,280	198,06	1,029	203,79	---	1,000	0,184		
1	0,270	4,688	0,042	5,67	0,00	5,67	826,024	0,902	1,30	196,661	1,66	GRANULAR	Non Plastic	CHECK LIQUEF.	4,200	196,90	1,012	199,34	---	1,000	0,183		
1	0,280	3,189	0,064	5,88	0,00	5,88	541,543	2,001	1,69	131,297	2,04	GRANULAR	Non Plastic	CHECK LIQUEF.	4,125	131,54	1,349	177,40	---	1,000	0,183		
1	0,290	2,364	0,067	6,09	0,00	6,09	387,311	2,827	1,89	95,566	2,24	GRANULAR	Non Plastic	CHECK LIQUEF.	4,053	95,81	1,767	169,33	---	1,000	0,183		
1	0,300	3,206	0,058	6,30	0,00	6,30	508,045	1,799	1,66	127,499	2,01	GRANULAR	Non Plastic	CHECK LIQUEF.	3,985	127,75	1,312	167,66	---	1,000	0,183		
1	0,310	3,529	0,062	6,51	0,00	6,51	541,301	1,755	1,64	138,091	1,98	GRANULAR	Non Plastic	CHECK LIQUEF.	3,920	138,35	1,272	176,02	---	1,000	0,183		
1	0,320	3,526	0,067	6,72	0,00	6,72	523,852	1,893	1,67	135,778	2,01	GRANULAR	Non Plastic	CHECK LIQUEF.	3,858	136,04	1,310	178,17	---	0,999	0,183		
1	0,330	3,300	0,091	6,93	0,00	6,93	475,379	2,749	1,84	125,124	2,15	GRANULAR	Non Plastic	CHECK LIQUEF.	3,799	125,39	1,560	195,61	---	0,999	0,183		
1	0,340	2,990	0,091	7,14	0,00	7,14	417,961	3,036	1,90	111,666	2,22	GRANULAR	Non Plastic	CHECK LIQUEF.	3,743	111,93	1,712	191,68	---	0,999	0,183		
1	0,350	2,960	0,096	7,35	0,00	7,35	401,865	3,243	1,94	108,933	2,25	GRANULAR	Non Plastic	CHECK LIQUEF.	3,689	109,20	1,790	195,47	---	0,999	0,183		
1	0,360	2,984	0,093	7,56	0,00	7,56	393,792	3,138	1,93	108,259	2,24	GRANULAR	Non Plastic	CHECK LIQUEF.	3,637	108,53	1,764	191,50	---	0,999	0,183		
1	0,370	3,374	0,099	7,77	0,00	7,77	433,414	2,953	1,88	120,795	2,19	GRANULAR	Non Plastic	CHECK LIQUEF.	3,588	121,07	1,636	198,04	---	0,999	0,183		
1	0,380	1,788	0,102	7,98	0,00	7,98	223,155	5,710	2,27	63,030	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	3,540	63,31	3,254	206,00	---	0,999	0,183		
1	0,390	2,398	0,095	8,19	0,00	8,19	291,856	3,988	2,08	83,512	2,39	GRANULAR	Non Plastic	CHECK LIQUEF.	3,495	83,80	2,272	190,41	---	0,999	0,183		
1	0,400	1,815	0,094	8,40	0,00	8,40	215,156	5,199	2,25	62,349	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	3,451	62,64	3,091	193,62	---	0,999	0,183		
1	0,410	1,913	0,086	8,61	0,00	8,61	221,230	4,518	2,19	64,906	2,50	GRANULAR	Non Plastic	CHECK LIQUEF.	3,408	65,20	2,782	181,38	---	0,999	0,183		
1	0,420	1,859	0,085	8,82	0,00	8,82	209,828	4,613	2,21	62,307	2,52	GRANULAR	Non Plastic	CHECK LIQUEF.	3,368	62,60	2,878	180,18	---	0,999	0,183		
1	0,430	1,613	0,082	9,03	0,00	9,03	177,692	5,137	2,28	53,389	2,60	GRANULAR	Plastic	NO LIQUEFACTION	6,072	97,95	3,332	326,33	---	0,999	0,183		
1	0,440	1,438	0,079	9,24	0,00	9,24	154,673	5,514	2,34	47,010	2,66	GRANULAR	Plastic	NO LIQUEFACTION	5,968	85,82	3,720	319,23	---	0,999	0,183	---	-10,00
1	0,450	1,391	0,078	9,45	0,00	9,45	146,223	5,670	2,37	44,944	2,68	GRANULAR	Plastic	NO LIQUEFACTION	5,868	81,62	3,873	316,12	---	0,999	0,183	---	-10,00
1	0,460	1,344	0,072	9,66	0,00	9,66	138,140	5,395	2,36	42,928	2,68	GRANULAR	Plastic	NO LIQUEFACTION	5,772	77,56	3,858	299,21	---	0,998	0,183	---	-10,00
1	0,470	1,330	0,074	9,87	0,00	9,87	133,814	5,569	2,38	42,034	2,70	GRANULAR	Plastic	NO LIQUEFACTION	5,680	75,56	3,974	300,27	---	0,998	0,183	---	-10,00
1	0,480	1,317	0,054	10,08	0,00	10,08	129,669	4,156	2,29	41,163	2,61	GRANULAR	Plastic	NO LIQUEFACTION	5,591	73,62	3,402	250,49	---	0,998	0,183	---	-10,00
1	0,490	1,323	0,054	10,29	0,00	10,29	127,657	4,099	2,28	40,944	2,61	GRANULAR	Plastic	NO LIQUEFACTION	5,505	72,86	3,386	246,74	---	0,998	0,183	---	-10,00
1	0,500	1,313	0,050	10,50	0,00	10,50	124,121	3,801	2,27	40,214	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	3,087	40,54	3,280	132,98	0,2987	0,998	0,183	1,63	2,35
1	0,510	1,310	0,049	10,71	0,00	10,71	121,353	3,759	2,27	39,709	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	3,056	40,04	3,284	131,46	0,2913	0,998	0,183	1,59	2,29
1	0,520	1,280	0,050	10,92	0,00	10,92	116,224	3,918	2,29	38,401	2,62	GRANULAR	Plastic	NO LIQUEFACTION	5,265	67,38	3,426	230,82	---	0,998	0,183	---	-10,00
1	0,530	1,243	0,046	11,13	0,00	11,13	110,683	3,758	2,29	36,920	2,62	GRANULAR	Plastic	NO LIQUEFACTION	5,191	64,50	3,425	220,91	---	0,998	0,183	---	-10,00
1	0,540	1,189	0,045	11,34	0,00	11,34	103,862	3,851	2,32	34,970	2,64	GRANULAR	Plastic	NO LIQUEFACTION	5,118	60,85	3,582	217,97	---	0,998	0,183	---	-10,00
1	0,550	1,155	0,043	11,55	0,00	11,55	99,039	3,747	2,32	33,654	2,64	GRANULAR	Plastic	NO LIQUEFACTION	5,048	58,32	3,609	210,47	---	0,998	0,183	---	-10,00
1	0,560	1,098	0,040	11,76	0,00	11,76	92,383	3,673	2,33	31,676	2,66	GRANULAR	Plastic	NO LIQUEFACTION	4,981	54,68	3,700	202,31	---	0,998	0,183	---	

GU	Depth (m)	qc (MPa)	fs (MPa)	σ_v (kPa)	u (kPa)	σ'_v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	0,640	0,694	0,030	13,44	0,00	13,44	50,633	4,353	2,56	18,560	2,88	GRANULAR	Plastic	NO LIQUEFACTION	4,506	31,26	5,517	172,45	---	0,997	0,183	---	-10,00
1	0,650	0,670	0,028	13,65	0,00	13,65	48,111	4,304	2,58	17,772	2,89	GRANULAR	Plastic	NO LIQUEFACTION	4,454	29,85	5,625	167,89	---	0,997	0,183	---	-10,00
1	0,660	0,626	0,026	13,86	0,00	13,86	44,207	4,207	2,59	16,455	2,91	GRANULAR	Plastic	NO LIQUEFACTION	4,403	27,58	5,816	160,42	---	0,997	0,183	---	-10,00
1	0,670	0,610	0,024	14,07	0,00	14,07	42,335	4,100	2,60	15,878	2,92	GRANULAR	Plastic	NO LIQUEFACTION	4,354	26,54	5,866	155,68	0,4309	0,997	0,183	---	-10,00
1	0,680	0,573	0,023	14,28	0,00	14,28	39,103	4,172	2,63	14,774	2,95	CLAYEY	Plastic	NO LIQUEFACTION	4,306	24,65	6,163	151,93	0,4061	0,997	0,183	---	-10,00
1	0,690	0,559	0,022	14,49	0,00	14,49	37,592	4,030	2,63	14,308	2,95	CLAYEY	Plastic	NO LIQUEFACTION	4,259	23,81	6,179	147,12	0,3761	0,997	0,183	---	-10,00
1	0,700	0,532	0,022	14,70	0,00	14,70	35,207	4,198	2,66	13,497	2,98	CLAYEY	Plastic	NO LIQUEFACTION	4,213	22,42	6,508	145,89	0,3688	0,997	0,183	---	-10,00
1	0,710	0,512	0,019	14,91	0,00	14,91	33,342	3,918	2,66	12,873	2,98	CLAYEY	Plastic	NO LIQUEFACTION	4,169	21,34	6,484	138,35	0,3263	0,997	0,183	---	-10,00
1	0,720	0,512	0,019	15,12	0,00	15,12	32,865	3,783	2,65	12,777	2,97	CLAYEY	Plastic	NO LIQUEFACTION	4,125	21,12	6,412	135,39	0,3108	0,996	0,183	---	-10,00
1	0,730	0,519	0,018	15,33	0,00	15,33	32,840	3,644	2,64	12,856	2,96	CLAYEY	Plastic	NO LIQUEFACTION	4,083	21,17	6,285	133,07	0,2992	0,996	0,183	---	-10,00
1	0,740	0,522	0,018	15,54	0,00	15,54	32,600	3,621	2,64	12,849	2,96	CLAYEY	Plastic	NO LIQUEFACTION	4,041	21,09	6,270	132,26	0,2951	0,996	0,183	---	-10,00
1	0,750	0,532	0,013	15,75	0,00	15,75	32,793	2,552	2,54	13,013	2,86	GRANULAR	Plastic	NO LIQUEFACTION	4,001	21,29	5,344	113,75	0,2169	0,996	0,183	---	-10,00
1	0,760	0,552	0,014	15,96	0,00	15,96	33,615	2,621	2,54	13,427	2,86	GRANULAR	Plastic	NO LIQUEFACTION	3,961	21,88	5,301	115,98	0,2251	0,996	0,183	---	-10,00
1	0,770	0,556	0,015	16,17	0,00	16,17	33,374	2,771	2,56	13,418	2,87	GRANULAR	Plastic	NO LIQUEFACTION	3,922	21,80	5,433	118,41	0,2344	0,996	0,183	---	-10,00
1	0,780	0,576	0,015	16,38	0,00	16,38	34,167	2,751	2,55	13,826	2,86	GRANULAR	Plastic	NO LIQUEFACTION	3,885	22,37	5,317	118,95	0,2365	0,996	0,183	---	-10,00
1	0,790	0,579	0,015	16,59	0,00	16,59	33,925	2,735	2,55	13,816	2,86	GRANULAR	Plastic	NO LIQUEFACTION	3,848	22,29	5,306	118,25	0,2338	0,996	0,183	---	-10,00
1	0,800	0,579	0,015	16,80	0,00	16,80	33,489	2,736	2,56	13,724	2,86	GRANULAR	Plastic	NO LIQUEFACTION	3,812	22,08	5,328	117,64	0,2314	0,996	0,183	---	-10,00
1	0,810	0,579	0,016	17,01	0,00	17,01	33,063	2,777	2,56	13,634	2,87	GRANULAR	Plastic	NO LIQUEFACTION	3,776	21,87	5,385	117,79	0,2320	0,996	0,183	---	-10,00
1	0,820	0,660	0,016	17,22	0,00	17,22	37,342	2,497	2,49	15,494	2,80	GRANULAR	Plastic	NO LIQUEFACTION	3,742	24,70	4,745	117,18	0,2297	0,996	0,183	---	-10,00
1	0,830	0,610	0,016	17,42	0,00	17,42	33,981	2,711	2,55	14,185	2,85	GRANULAR	Plastic	NO LIQUEFACTION	3,708	22,60	5,200	117,52	0,2310	0,996	0,183	---	-10,00
1	0,840	0,573	0,016	17,63	0,00	17,63	31,464	2,933	2,60	13,213	2,89	GRANULAR	Plastic	NO LIQUEFACTION	3,675	21,04	5,622	118,28	0,2339	0,996	0,183	---	-10,00
1	0,850	0,559	0,016	17,84	0,00	17,84	30,328	3,007	2,61	12,811	2,91	CLAYEY	Plastic	NO LIQUEFACTION	3,642	20,36	5,791	117,91	0,2325	0,995	0,183	---	-10,00
1	0,860	0,546	0,016	18,05	0,00	18,05	29,217	3,128	2,64	12,415	2,93	CLAYEY	Plastic	NO LIQUEFACTION	3,610	19,70	6,003	118,24	0,2337	0,995	0,183	---	-10,00
1	0,870	0,546	0,016	18,26	0,00	18,26	28,870	3,129	2,64	12,338	2,93	CLAYEY	Plastic	NO LIQUEFACTION	3,579	19,53	6,026	117,67	0,2315	0,995	0,183	---	-10,00
1	0,880	0,542	0,017	18,47	0,00	18,47	28,348	3,194	2,65	12,185	2,94	CLAYEY	Plastic	NO LIQUEFACTION	3,549	19,24	6,125	117,85	0,2322	0,995	0,183	---	-10,00
1	0,890	0,519	0,017	18,68	0,00	18,68	26,757	3,390	2,69	11,566	2,98	CLAYEY	Plastic	NO LIQUEFACTION	3,519	18,25	6,480	118,25	0,2338	0,995	0,183	---	-10,00
1	0,900	0,515	0,017	18,89	0,00	18,89	26,270	3,415	2,70	11,419	2,98	CLAYEY	Plastic	NO LIQUEFACTION	3,489	17,98	6,548	117,73	0,2318	0,995	0,183	---	-10,00
1	0,910	0,509	0,017	19,10	0,00	19,10	25,618	3,416	2,71	11,197	2,99	CLAYEY	Plastic	NO LIQUEFACTION	3,461	17,60	6,625	116,58	0,2274	0,995	0,183	---	-10,00
1	0,920	0,505	0,016	19,31	0,00	19,31	25,154	3,394	2,71	11,055	2,99	CLAYEY	Plastic	NO LIQUEFACTION	3,432	17,34	6,656	115,41	0,2230	0,995	0,183	---	-10,00
1	0,930	0,505	0,016	19,52	0,00	19,52	24,873	3,348	2,71	10,990	2,99	CLAYEY	Plastic	NO LIQUEFACTION	3,405	17,20	6,641	114,22	0,2186	0,995	0,183	---	-10,00
1	0,940	0,505	0,016	19,73	0,00	19,73	24,598	3,255	2,71	10,927	2,99	CLAYEY	Plastic	NO LIQUEFACTION	3,377	17,06	6,585	112,35	0,2119	0,995	0,183	---	-10,00
1	0,950	0,505	0,016	19,94	0,00	19,94	24,328	3,209	2,71	10,865	2,98	CLAYEY	Plastic	NO LIQUEFACTION	3,351	16,93	6,569	111,18	0,2078	0,995	0,183	---	-10,00
1	0,960	0,498	0,015	20,15	0,00	20,15	23,730	3,208	2,71	10,653	2,99	CLAYEY	Plastic	NO LIQUEFACTION	3,325	16,57	6,644	110,09	0,2041	0,995	0,183	---	-10,00
1	0,970	0,498	0,015	20,36	0,00	20,36	23,475	3,115	2,71	10,594	2,99	CLAYEY	Plastic	NO LIQUEFACTION	3,299	16,44	6,585	108,27	0,1980	0,995	0,183	---	-10,00
1	0,980	0,488	0,015	20,57	0,00	20,57	22,735	3,136	2,72	10,312	3,00	CLAYEY	Plastic	NO LIQUEFACTION	3,273	15,98	6,709	107,24	0,1947	0,994	0,183	---	-10,00
1	0,990	0,482	0,014	20,78	0,00	20,78	22,171	3,134	2,73	10,108	3,00	CLAYEY	Plastic	NO LIQUEFACTION	3,249	15,64	6,786	106,17	0,1913	0,994	0,182	---	-10,00
1	1,000	0,475	0,014	20,99	0,00	20,99	21,618	3,182	2,74	9,905	3,01	CLAYEY	Plastic	NO LIQUEFACTION	3,224	15,31	6,910	105,79	0,1901	0,994	0,182	---	-10,00
1	1,010	0,458	0,014	21,20	0,00	21,20	20,600	3,100	2,75	9,486	3,02	CLAYEY	Plastic	NO LIQUEFACTION	3,200	14,66	7,013	102,79	0,1810	0,994	0,182	---	-10,00
1	1,020	0,455	0,016	21,41	0,00	21,41	20,231	3,712	2,81	9,362	3,07	CLAYEY	Plastic	NO LIQUEFACTION	3,177	14,44	7,598	109,74	0,2029	0,994	0,182	---	-10,00
1	1,030	0,448	0,016	21,62	0,00	21,62	19,714	3,674	2,81	9,167	3,08	CLAYEY	Plastic	NO LIQUEFACTION	3,154	14,12	7,658	108,16	0,1977	0,994	0,182	---	-10,00
1	1,040	0,451	0,017	21,83	0,00	21,83	19,669	3,969	2,84	9,190	3,10	CLAYEY	Plastic	NO LIQUEFACTION	3,131	14,13	7,888	111,45	0,2087	0,994	0,182	---	-10,00
1	1,050	0,451	0,012	22,04	0,00	22,04	19,472	2,795	2,74	9,142	3,01	CLAYEY	Plastic	NO LIQUEFACTION	3,108	14,03	6,878	96,48	0,1635	0,994	0,182	---	-10,00
1	1,060	0,448	0,015	22,25	0,00	22,25	19,127	3,550	2,81	9,023	3,08	CLAYEY	Plastic	NO LIQUEFACTION	3,086	13,82	7,621	105,35	0,1887	0,994	0,182	---	-10,00
1	1,070	0,448	0,015	22,46	0,00	22,46	18,939	3,499	2,81	8,976	3,07	CLAYEY	Plastic	NO LIQUEFACTION	3,065	13,73	7,599	104,32	0,1856	0,994	0,182	---	-10,00
1	1,080	0,458	0,014	22,67	0,00	22,67	19,200	3,109	2,78	9,142	3,04	CLAYEY	Plastic	NO LIQUEFACTION	3,043	13,94	7,174	100,00	0,1730	0,994	0,182	---	-10,00
1	1,090	0,579	0,013	22,88	0,00	22,88	24,313	2,393	2,63	11,630	2,89	CLAYEY	Plastic	NO LIQUEFACTION	3,022	17,51	5,577	97,63	0,1666	0,994	0,182	---	-10,00
1	1,100	0,657	0,013	23,09	0,00	23,09	27,437	1,994	2,54	13,185	2,80	GRANULAR	Plastic	NO LIQUEFACTION	3,002	19,71	4,772	94,07	0,1574	0,994	0,182	---	-10,00
1	1,110	0,717	0,012	23,30	0,00	23,30	29,782	1,724	2,47	14,377	2,73	GRANULAR	Plastic	NO LIQUEFACTION	2,982	21,39	4,241	90,70	0,1494	0,993	0,182	---	-10,00
1	1,120	0,546	0,011	23,51	0,00	23,51	22,203	2,162	2,63	10,766	2,89	CLAYEY	Plastic	NO LIQUEFACTION	2,962	16,16	5,616	90,74	0,1495	0,993	0,182	---	-10,00
1	1,130	0,434	0,010	23,72	0,00	23,72	17,313	2,419	2,75	8,432	3,01	CLAYEY	Plastic	NO LIQUEFACTION	2,942	12,78	6,825	87,23	0,1417	0,993	0,182	---	-10,00
1	1,140	0,438	0,009	23,93	0,00	23,93	17,293	2,237	2,73	8,460	2,99	CLAYEY	Plastic	NO LIQUEFACTION	2,922	12,79	6,613	84,61	0,1363	0,993	0,182	---	-10,00
1	1,150	0,445	0,008	24,14	0,00	24,14	17,413	1,935	2,69	8,556	2,95	CLAYEY	Plastic	NO LIQUEFACTION	2,903	12,91	6,218	80,25	0,1281	0,993	0,182	---	-10,00
1	1,160	0,451	0,008	24,35	0,00	24,35	17,531	1,853															

GU	Depth (m)	qc (MPa)	fs (MPa)	σ_v (kPa)	u (kPa)	σ'_v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	1,270	0,515	0,009	26,66	0,00	26,66	18,325	1,810	2,66	9,462	2,90	CLAYEY	Plastic	NO LIQUEFACTION	2,695	13,89	5,687	78,97	0,1258	0,992	0,182	---	-10,00
1	1,280	0,525	0,009	26,87	0,00	26,87	18,550	1,819	2,65	9,616	2,89	CLAYEY	Plastic	NO LIQUEFACTION	2,679	14,08	5,640	79,39	0,1265	0,992	0,182	---	-10,00
1	1,290	0,532	0,010	27,08	0,00	27,08	18,648	1,930	2,67	9,704	2,90	CLAYEY	Plastic	NO LIQUEFACTION	2,664	14,17	5,736	81,30	0,1300	0,992	0,182	---	-10,00
1	1,300	0,546	0,010	27,29	0,00	27,29	18,990	1,925	2,66	9,921	2,90	CLAYEY	Plastic	NO LIQUEFACTION	2,648	14,45	5,650	81,64	0,1306	0,992	0,182	---	-10,00
1	1,310	0,549	0,010	27,50	0,00	27,50	18,960	1,957	2,66	9,943	2,90	CLAYEY	Plastic	NO LIQUEFACTION	2,633	14,45	5,678	82,08	0,1314	0,992	0,182	---	-10,00
1	1,320	0,552	0,010	27,71	0,00	27,71	18,930	1,904	2,66	9,965	2,89	CLAYEY	Plastic	NO LIQUEFACTION	2,618	14,46	5,610	81,12	0,1296	0,992	0,182	---	-10,00
1	1,330	0,559	0,010	27,92	0,00	27,92	19,022	1,924	2,66	10,051	2,89	CLAYEY	Plastic	NO LIQUEFACTION	2,603	14,55	5,601	81,52	0,1304	0,992	0,182	---	-10,00
1	1,340	0,566	0,011	28,13	0,00	28,13	19,112	1,985	2,66	10,137	2,89	CLAYEY	Plastic	NO LIQUEFACTION	2,589	14,65	5,640	82,60	0,1324	0,992	0,182	---	-10,00
1	1,350	0,569	0,011	28,34	0,00	28,34	19,081	2,057	2,67	10,158	2,90	CLAYEY	Plastic	NO LIQUEFACTION	2,574	14,65	5,711	83,68	0,1345	0,992	0,182	---	-10,00
1	1,360	0,569	0,011	28,55	0,00	28,55	18,934	2,058	2,68	10,117	2,90	CLAYEY	Plastic	NO LIQUEFACTION	2,560	14,57	5,727	83,45	0,1341	0,991	0,182	---	-10,00
1	1,370	0,579	0,012	28,76	0,00	28,76	19,140	2,103	2,68	10,264	2,90	CLAYEY	Plastic	NO LIQUEFACTION	2,546	14,75	5,724	84,43	0,1360	0,991	0,182	---	-10,00
1	1,380	0,583	0,012	28,97	0,00	28,97	19,110	2,091	2,68	10,286	2,90	CLAYEY	Plastic	NO LIQUEFACTION	2,532	14,75	5,704	84,15	0,1354	0,991	0,182	---	-10,00
1	1,390	0,599	0,013	29,18	0,00	29,18	19,542	2,267	2,69	10,557	2,91	CLAYEY	Plastic	NO LIQUEFACTION	2,519	15,10	5,796	87,51	0,1423	0,991	0,182	---	-10,00
1	1,400	0,606	0,013	29,39	0,00	29,39	19,625	2,321	2,69	10,639	2,91	CLAYEY	Plastic	NO LIQUEFACTION	2,505	15,19	5,822	88,41	0,1443	0,991	0,182	---	-10,00
1	1,410	0,610	0,015	29,60	0,00	29,60	19,592	2,619	2,73	10,659	2,94	CLAYEY	Plastic	NO LIQUEFACTION	2,492	15,19	6,109	92,78	0,1543	0,991	0,182	---	-10,00
1	1,420	0,610	0,017	29,81	0,00	29,81	19,447	2,932	2,76	10,618	2,97	CLAYEY	Plastic	NO LIQUEFACTION	2,479	15,11	6,413	96,90	0,1646	0,991	0,182	---	-10,00
1	1,430	0,613	0,018	30,02	0,00	30,02	19,416	3,033	2,77	10,638	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,466	15,11	6,496	98,17	0,1680	0,991	0,182	---	-10,00
1	1,440	0,616	0,019	30,23	0,00	30,23	19,386	3,209	2,78	10,659	2,99	CLAYEY	Plastic	NO LIQUEFACTION	2,453	15,12	6,643	100,41	0,1742	0,991	0,182	---	-10,00
1	1,450	0,613	0,020	30,44	0,00	30,44	19,135	3,384	2,80	10,557	3,01	CLAYEY	Plastic	NO LIQUEFACTION	2,440	14,96	6,829	102,13	0,1791	0,991	0,182	---	-10,00
1	1,460	0,610	0,021	30,65	0,00	30,65	18,887	3,562	2,82	10,456	3,02	CLAYEY	Plastic	NO LIQUEFACTION	2,428	14,80	7,015	103,80	0,1840	0,991	0,182	---	-10,00
1	1,470	0,616	0,021	30,86	0,00	30,86	18,970	3,600	2,82	10,538	3,02	CLAYEY	Plastic	NO LIQUEFACTION	2,415	14,88	7,014	104,40	0,1858	0,991	0,182	---	-10,00
1	1,480	0,610	0,022	31,07	0,00	31,07	18,618	3,722	2,84	10,378	3,04	CLAYEY	Plastic	NO LIQUEFACTION	2,403	14,65	7,175	105,09	0,1879	0,991	0,182	---	-10,00
1	1,490	0,606	0,021	31,28	0,00	31,28	18,379	3,668	2,84	10,279	3,04	CLAYEY	Plastic	NO LIQUEFACTION	2,391	14,49	7,170	103,92	0,1844	0,990	0,182	---	-10,00
1	1,500	0,613	0,022	31,49	0,00	31,49	18,464	3,704	2,84	10,361	3,04	CLAYEY	Plastic	NO LIQUEFACTION	2,379	14,58	7,167	104,50	0,1861	0,990	0,182	---	-10,00
1	1,510	0,613	0,022	31,70	0,10	31,60	18,390	3,783	2,85	10,339	3,04	CLAYEY	Plastic	NO LIQUEFACTION	2,372	14,54	7,240	105,27	0,1885	0,990	0,182	---	-10,00
1	1,520	0,613	0,022	31,91	0,20	31,71	18,320	3,823	2,85	10,317	3,05	CLAYEY	Plastic	NO LIQUEFACTION	2,366	14,50	7,280	105,58	0,1895	0,990	0,183	---	-10,00
1	1,530	0,623	0,022	32,12	0,30	31,82	18,567	3,798	2,84	10,474	3,04	CLAYEY	Plastic	NO LIQUEFACTION	2,360	14,70	7,197	105,83	0,1902	0,990	0,183	---	-10,00
1	1,540	0,626	0,022	32,33	0,40	31,93	18,602	3,664	2,83	10,512	3,03	CLAYEY	Plastic	NO LIQUEFACTION	2,354	14,75	7,076	104,34	0,1856	0,990	0,184	---	-10,00
1	1,550	0,636	0,021	32,54	0,50	32,04	18,847	3,492	2,82	10,669	3,01	CLAYEY	Plastic	NO LIQUEFACTION	2,348	14,94	6,877	102,77	0,1809	0,990	0,185	---	-10,00
1	1,560	0,650	0,021	32,75	0,60	32,15	19,195	3,379	2,80	10,885	3,00	CLAYEY	Plastic	NO LIQUEFACTION	2,342	15,22	6,705	102,06	0,1789	0,990	0,185	---	-10,00
1	1,570	0,650	0,021	32,96	0,70	32,26	19,123	3,417	2,80	10,862	3,00	CLAYEY	Plastic	NO LIQUEFACTION	2,336	15,18	6,744	102,39	0,1798	0,990	0,186	---	-10,00
1	1,580	0,650	0,021	33,17	0,80	32,37	19,052	3,454	2,81	10,840	3,00	CLAYEY	Plastic	NO LIQUEFACTION	2,330	15,14	6,783	102,71	0,1808	0,990	0,186	---	-10,00
1	1,590	0,650	0,021	33,38	0,90	32,48	18,981	3,419	2,81	10,818	3,00	CLAYEY	Plastic	NO LIQUEFACTION	2,324	15,11	6,762	102,14	0,1791	0,990	0,187	---	-10,00
1	1,600	0,650	0,021	33,59	1,00	32,59	18,910	3,347	2,80	10,796	3,00	CLAYEY	Plastic	NO LIQUEFACTION	2,318	15,07	6,710	101,10	0,1761	0,990	0,187	---	-10,00
1	1,610	0,657	0,020	33,80	1,10	32,70	19,046	3,276	2,79	10,892	2,99	CLAYEY	Plastic	NO LIQUEFACTION	2,312	15,18	6,616	100,46	0,1743	0,990	0,188	---	-10,00
1	1,620	0,660	0,020	34,01	1,20	32,81	19,079	3,260	2,79	10,929	2,99	CLAYEY	Plastic	NO LIQUEFACTION	2,306	15,22	6,588	100,30	0,1739	0,990	0,188	---	-10,00
1	1,630	0,650	0,020	34,22	1,30	32,92	18,702	3,168	2,79	10,731	2,99	CLAYEY	Plastic	NO LIQUEFACTION	2,301	14,95	6,581	98,40	0,1686	0,989	0,189	---	-10,00
1	1,639	0,643	0,019	34,43	1,39	33,03	18,429	3,166	2,80	10,592	2,99	CLAYEY	Plastic	NO LIQUEFACTION	2,295	14,76	6,630	97,87	0,1672	0,989	0,189	---	-10,00
1	1,649	0,636	0,018	34,64	1,49	33,14	18,158	3,053	2,79	10,454	2,99	CLAYEY	Plastic	NO LIQUEFACTION	2,289	14,57	6,582	95,90	0,1620	0,989	0,190	---	-10,00
1	1,659	0,640	0,018	34,85	1,59	33,25	18,193	3,036	2,79	10,492	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,284	14,61	6,553	95,75	0,1617	0,989	0,190	---	-10,00
1	1,669	0,647	0,018	35,06	1,69	33,36	18,329	3,004	2,78	10,587	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,278	14,73	6,489	95,58	0,1612	0,989	0,191	---	-10,00
1	1,679	0,650	0,019	35,27	1,79	33,47	18,363	3,025	2,79	10,624	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,272	14,77	6,495	95,92	0,1621	0,989	0,191	---	-10,00
1	1,689	0,650	0,019	35,48	1,89	33,58	18,297	3,063	2,79	10,603	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,267	14,73	6,536	96,29	0,1630	0,989	0,192	---	-10,00
1	1,699	0,653	0,019	35,69	1,99	33,69	18,331	3,011	2,78	10,640	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,261	14,77	6,476	95,67	0,1614	0,989	0,192	---	-10,00
1	1,709	0,650	0,018	35,90	2,09	33,80	18,165	2,992	2,79	10,562	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,256	14,66	6,488	95,11	0,1600	0,989	0,193	---	-10,00
1	1,719	0,650	0,018	36,11	2,19	33,91	18,100	2,956	2,78	10,541	2,97	CLAYEY	Plastic	NO LIQUEFACTION	2,250	14,63	6,463	94,52	0,1585	0,989	0,193	---	-10,00
1	1,729	0,647	0,018	36,32	2,29	34,02	17,937	2,973	2,79	10,462	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,245	14,51	6,507	94,44	0,1583	0,989	0,194	---	-10,00
1	1,739	0,647	0,018	36,53	2,39	34,13	17,873	2,974	2,79	10,442	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,239	14,48	6,516	94,34	0,1581	0,989	0,194	---	-10,00
1	1,749	0,647	0,023	36,74	2,49	34,24	17,809	3,809	2,86	10,422	3,04	CLAYEY	Plastic	NO LIQUEFACTION	2,234	14,44	7,227	104,39	0,1858	0,989	0,195	---	-10,00
1	1,759	0,647	0,017	36,95	2,59	34,35	17,746	2,868	2,78	10,401	2,97	CLAYEY	Plastic	NO LIQUEFACTION	2,229	14,41	6,434	92,71	0,1541	0,988	0,195	---	-10,00
1	1,769	0,647	0,018	37,16	2,69	34,46	17,683	2,906	2,79	10,381	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,223	14,37	6,477	93,11	0,1551	0,988	0,196	---	-10,00
1	1,779	0,647	0,018	37,37	2,79	34,57	17,621	2,907	2,79	10,361	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,218	14,34	6,486	93,01	0,1548	0,988	0,196	---	-10,00
1	1,789	0,643	0,017	37,58	2,89	34,68																	

GU	Depth (m)	qc (MPa)	fs (MPa)	σv (kPa)	u (kPa)	σ'v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	1,899	0,724	0,018	39,89	3,99	35,89	19,061	2,625	2,74	11,420	2,92	CLAYEY	Plastic	NO LIQUEFACTION	2,156	15,61	5,862	91,52	0,1513	0,987	0,201	---	-10,00
1	1,909	0,724	0,018	40,10	4,09	36,00	18,997	2,593	2,73	11,399	2,91	CLAYEY	Plastic	NO LIQUEFACTION	2,151	15,58	5,838	90,95	0,1500	0,987	0,202	---	-10,00
1	1,919	0,721	0,018	40,31	4,19	36,11	18,840	2,641	2,74	11,322	2,92	CLAYEY	Plastic	NO LIQUEFACTION	2,147	15,47	5,907	91,39	0,1510	0,987	0,202	---	-10,00
1	1,929	0,721	0,018	40,52	4,29	36,22	18,777	2,642	2,74	11,301	2,92	CLAYEY	Plastic	NO LIQUEFACTION	2,142	15,43	5,915	91,30	0,1508	0,987	0,203	---	-10,00
1	1,939	0,721	0,018	40,73	4,39	36,33	18,714	2,643	2,74	11,280	2,92	CLAYEY	Plastic	NO LIQUEFACTION	2,137	15,40	5,923	91,22	0,1506	0,987	0,203	---	-10,00
1	1,949	0,724	0,018	40,94	4,49	36,44	18,745	2,665	2,75	11,316	2,92	CLAYEY	Plastic	NO LIQUEFACTION	2,132	15,44	5,932	91,57	0,1514	0,987	0,203	---	-10,00
1	1,959	0,727	0,019	41,15	4,59	36,55	18,775	2,718	2,75	11,351	2,93	CLAYEY	Plastic	NO LIQUEFACTION	2,127	15,47	5,970	92,37	0,1533	0,987	0,204	---	-10,00
1	1,969	0,731	0,020	41,36	4,69	36,66	18,804	2,869	2,76	11,386	2,94	CLAYEY	Plastic	NO LIQUEFACTION	2,122	15,51	6,095	94,53	0,1586	0,987	0,204	---	-10,00
1	1,979	0,738	0,020	41,57	4,79	36,77	18,926	2,940	2,77	11,477	2,94	CLAYEY	Plastic	NO LIQUEFACTION	2,118	15,62	6,128	95,71	0,1615	0,987	0,205	---	-10,00
1	1,989	0,751	0,020	41,78	4,89	36,88	19,229	2,854	2,75	11,678	2,93	CLAYEY	Plastic	NO LIQUEFACTION	2,113	15,87	5,989	95,04	0,1598	0,987	0,205	---	-10,00
1	1,999	0,754	0,021	41,99	4,99	36,99	19,257	2,905	2,76	11,712	2,93	CLAYEY	Plastic	NO LIQUEFACTION	2,108	15,90	6,023	95,79	0,1617	0,987	0,206	---	-10,00
1	2,009	0,768	0,022	42,20	5,09	37,10	19,557	3,008	2,76	11,913	2,94	CLAYEY	Plastic	NO LIQUEFACTION	2,103	16,15	6,051	97,73	0,1668	0,987	0,206	---	-10,00
1	2,019	0,778	0,024	42,41	5,19	37,21	19,765	3,212	2,78	12,057	2,95	CLAYEY	Plastic	NO LIQUEFACTION	2,099	16,33	6,178	100,88	0,1755	0,987	0,206	---	-10,00
1	2,029	0,771	0,025	42,62	5,29	37,32	19,521	3,366	2,79	11,926	2,96	CLAYEY	Plastic	NO LIQUEFACTION	2,094	16,15	6,345	102,48	0,1801	0,986	0,207	---	-10,00
1	2,039	0,764	0,025	42,83	5,39	37,43	19,278	3,492	2,81	11,795	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,090	15,97	6,488	103,64	0,1835	0,986	0,207	---	-10,00
1	2,049	0,768	0,025	43,04	5,49	37,54	19,306	3,477	2,81	11,829	2,97	CLAYEY	Plastic	NO LIQUEFACTION	2,085	16,01	6,465	103,50	0,1831	0,986	0,208	---	-10,00
1	2,059	0,791	0,025	43,25	5,59	37,65	19,870	3,370	2,79	12,193	2,96	CLAYEY	Plastic	NO LIQUEFACTION	2,080	16,46	6,266	103,16	0,1821	0,986	0,208	---	-10,00
1	2,069	0,791	0,025	43,46	5,69	37,76	19,806	3,311	2,78	12,171	2,95	CLAYEY	Plastic	NO LIQUEFACTION	2,076	16,43	6,224	102,26	0,1794	0,986	0,208	---	-10,00
1	2,079	0,788	0,025	43,67	5,79	37,87	19,654	3,357	2,79	12,096	2,96	CLAYEY	Plastic	NO LIQUEFACTION	2,071	16,32	6,285	102,59	0,1804	0,986	0,209	---	-10,00
1	2,089	0,768	0,025	43,88	5,89	37,98	19,060	3,483	2,81	11,747	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,067	15,87	6,496	103,08	0,1819	0,986	0,209	---	-10,00
1	2,099	0,764	0,026	44,09	5,99	38,09	18,911	3,594	2,82	11,672	2,99	CLAYEY	Plastic	NO LIQUEFACTION	2,062	15,77	6,608	104,18	0,1852	0,986	0,209	---	-10,00
1	2,109	0,761	0,027	44,30	6,09	38,20	18,763	3,800	2,84	11,597	3,00	CLAYEY	Plastic	NO LIQUEFACTION	2,058	15,66	6,793	106,40	0,1920	0,986	0,210	---	-10,00
1	2,119	0,764	0,027	44,51	6,19	38,31	18,792	3,784	2,84	11,631	3,00	CLAYEY	Plastic	NO LIQUEFACTION	2,053	15,70	6,769	106,27	0,1916	0,986	0,210	---	-10,00
1	2,129	0,778	0,027	44,72	6,29	38,42	19,083	3,654	2,82	11,829	2,99	CLAYEY	Plastic	NO LIQUEFACTION	2,049	15,94	6,604	105,28	0,1885	0,986	0,211	---	-10,00
1	2,139	0,785	0,027	44,93	6,39	38,53	19,198	3,683	2,82	11,917	2,99	CLAYEY	Plastic	NO LIQUEFACTION	2,045	16,04	6,598	105,86	0,1903	0,986	0,211	---	-10,00
1	2,149	0,788	0,027	45,14	6,49	38,64	19,225	3,637	2,82	11,951	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,040	16,08	6,552	105,34	0,1887	0,986	0,211	---	-10,00
1	2,159	0,785	0,027	45,35	6,59	38,75	19,078	3,654	2,82	11,876	2,99	CLAYEY	Plastic	NO LIQUEFACTION	2,036	15,98	6,589	105,26	0,1885	0,985	0,212	---	-10,00
1	2,169	0,778	0,027	45,56	6,69	38,86	18,845	3,627	2,83	11,748	2,99	CLAYEY	Plastic	NO LIQUEFACTION	2,032	15,80	6,609	104,45	0,1860	0,985	0,212	---	-10,00
1	2,179	0,771	0,027	45,77	6,79	38,97	18,614	3,692	2,83	11,620	3,00	CLAYEY	Plastic	NO LIQUEFACTION	2,027	15,63	6,702	104,78	0,1870	0,985	0,212	---	-10,00
1	2,189	0,778	0,026	45,98	6,89	39,08	18,729	3,597	2,83	11,708	2,99	CLAYEY	Plastic	NO LIQUEFACTION	2,023	15,74	6,598	103,85	0,1842	0,985	0,213	---	-10,00
1	2,199	0,785	0,026	46,19	6,99	39,19	18,842	3,473	2,81	11,796	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,019	15,84	6,472	102,52	0,1802	0,985	0,213	---	-10,00
1	2,209	0,781	0,026	46,40	7,09	39,30	18,699	3,520	2,82	11,723	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,015	15,74	6,533	102,83	0,1811	0,985	0,213	---	-10,00
1	2,219	0,778	0,026	46,61	7,19	39,41	18,556	3,505	2,82	11,649	2,98	CLAYEY	Plastic	NO LIQUEFACTION	2,010	15,64	6,545	102,37	0,1798	0,985	0,214	---	-10,00
1	2,229	0,771	0,026	46,82	7,29	39,52	18,328	3,539	2,83	11,523	2,99	CLAYEY	Plastic	NO LIQUEFACTION	2,006	15,47	6,614	102,33	0,1796	0,985	0,214	---	-10,00
1	2,239	0,764	0,026	47,03	7,39	39,63	18,102	3,635	2,84	11,396	3,00	CLAYEY	Plastic	NO LIQUEFACTION	2,002	15,30	6,733	103,04	0,1817	0,985	0,214	---	-10,00
1	2,249	0,754	0,026	47,24	7,49	39,74	17,793	3,624	2,84	11,217	3,00	CLAYEY	Plastic	NO LIQUEFACTION	1,998	15,07	6,786	102,27	0,1795	0,985	0,215	---	-10,00
1	2,259	0,748	0,025	47,45	7,59	39,85	17,569	3,595	2,85	11,091	3,01	CLAYEY	Plastic	NO LIQUEFACTION	1,994	14,91	6,807	101,46	0,1771	0,985	0,215	---	-10,00
1	2,269	0,741	0,024	47,66	7,69	39,96	17,347	3,500	2,84	10,966	3,00	CLAYEY	Plastic	NO LIQUEFACTION	1,990	14,74	6,775	99,87	0,1726	0,985	0,216	---	-10,00
1	2,279	0,734	0,024	47,87	7,79	40,07	17,126	3,470	2,85	10,841	3,00	CLAYEY	Plastic	NO LIQUEFACTION	1,985	14,58	6,795	99,05	0,1704	0,985	0,216	---	-10,00
1	2,289	0,721	0,022	48,08	7,89	40,18	16,739	3,339	2,84	10,611	3,00	CLAYEY	Plastic	NO LIQUEFACTION	1,981	14,28	6,771	96,69	0,1641	0,985	0,216	---	-10,00
1	2,299	0,714	0,022	48,28	7,99	40,29	16,521	3,306	2,85	10,487	3,00	CLAYEY	Plastic	NO LIQUEFACTION	1,977	14,12	6,790	95,85	0,1619	0,984	0,217	---	-10,00
1	2,309	0,700	0,021	48,49	8,09	40,40	16,137	3,168	2,84	10,257	3,00	CLAYEY	Plastic	NO LIQUEFACTION	1,973	13,82	6,758	93,41	0,1558	0,984	0,217	---	-10,00
1	2,319	0,697	0,020	48,70	8,19	40,51	16,005	3,150	2,84	10,187	3,00	CLAYEY	Plastic	NO LIQUEFACTION	1,969	13,73	6,770	92,93	0,1546	0,984	0,217	---	-10,00
1	2,329	0,687	0,020	48,91	8,29	40,62	15,708	3,059	2,84	10,012	3,00	CLAYEY	Plastic	NO LIQUEFACTION	1,965	13,50	6,758	91,25	0,1507	0,984	0,218	---	-10,00
1	2,339	0,684	0,018	49,12	8,39	40,73	15,578	2,864	2,83	9,942	2,99	CLAYEY	Plastic	NO LIQUEFACTION	1,961	13,41	6,607	88,59	0,1447	0,984	0,218	---	-10,00
1	2,349	0,684	0,018	49,33	8,49	40,84	15,531	2,794	2,82	9,925	2,98	CLAYEY	Plastic	NO LIQUEFACTION	1,957	13,38	6,548	87,62	0,1426	0,984	0,218	---	-10,00
1	2,359	0,690	0,017	49,54	8,59	40,95	15,648	2,626	2,80	10,014	2,96	CLAYEY	Plastic	NO LIQUEFACTION	1,953	13,49	6,352	85,67	0,1385	0,984	0,218	---	-10,00
1	2,369	0,690	0,017	49,75	8,69	41,06	15,601	2,628	2,81	9,997	2,96	CLAYEY	Plastic	NO LIQUEFACTION	1,949	13,46	6,360	85,59	0,1383	0,984	0,219	---	-10,00
1	2,379	0,694	0,017	49,96	8,79	41,17	15,636	2,650	2,81	10,033	2,97	CLAYEY	Plastic	NO LIQUEFACTION	1,946	13,50	6,368	85,95	0,1390	0,984	0,219	---	-10,00
1	2,389	0,690	0,017	50,17	8,89	41,28	15,508	2,665	2,81	9,964	2,97	CLAYEY	Plastic	NO LIQUEFACTION	1,942	13,40	6,409	85,92	0,1390	0,984	0,219	---	-10,00
1	2,399	0,694	0,018	50,38	8,99	41,39	15,543	2,794	2,82	10,000	2,98	CLAYEY	Plastic	NO LIQUEFACTION	1,938	13,44	6,518	87,63	0,1426	0,984	0,220	---	-10,00
1	2,409	0,711	0,018	50,59	9,09	41,50	15,903	2,689	2,80	10,245	2,96	CLAYEY	Plastic	NO LIQUEFACTION	1,934	13,74	6,326	86,93	0,1411	0,984	0,220	---	-10,00
1	2,419	0,717	0,019	50,80	9,19	41,61	16,																

GU	Depth (m)	qc (MPa)	fs (MPa)	σ_v (kPa)	u (kPa)	σ'_v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	2,529	0,781	0,019	53,11	10,29	42,82	17,005	2,563	2,77	11,128	2,92	CLAYEY	Plastic	NO LIQUEFACTION	1,889	14,76	5,897	87,04	0,1413	0,983	0,224	---	-10,00
1	2,539	0,791	0,019	53,32	10,39	42,93	17,192	2,558	2,76	11,265	2,92	CLAYEY	Plastic	NO LIQUEFACTION	1,885	14,92	5,848	87,27	0,1418	0,983	0,224	---	-10,00
1	2,549	0,795	0,019	53,53	10,49	43,04	17,222	2,608	2,77	11,298	2,92	CLAYEY	Plastic	NO LIQUEFACTION	1,882	14,96	5,885	88,01	0,1434	0,983	0,224	---	-10,00
1	2,559	0,825	0,019	53,74	10,59	43,15	17,875	2,477	2,74	11,742	2,89	CLAYEY	Plastic	NO LIQUEFACTION	1,878	15,50	5,625	87,17	0,1416	0,983	0,225	---	-10,00
1	2,569	0,785	0,018	53,95	10,69	43,26	16,891	2,523	2,77	11,110	2,92	CLAYEY	Plastic	NO LIQUEFACTION	1,875	14,71	5,865	86,27	0,1397	0,983	0,225	---	-10,00
1	2,579	0,791	0,018	54,16	10,79	43,37	16,998	2,408	2,75	11,195	2,90	CLAYEY	Plastic	NO LIQUEFACTION	1,871	14,81	5,726	84,79	0,1367	0,982	0,225	---	-10,00
1	2,589	0,785	0,017	54,37	10,89	43,48	16,796	2,338	2,75	11,075	2,90	CLAYEY	Plastic	NO LIQUEFACTION	1,868	14,65	5,695	83,46	0,1341	0,982	0,225	---	-10,00
1	2,599	0,795	0,017	54,58	10,99	43,59	16,980	2,276	2,74	11,211	2,89	CLAYEY	Plastic	NO LIQUEFACTION	1,864	14,81	5,590	82,82	0,1328	0,982	0,226	---	-10,00
1	2,609	0,778	0,017	54,79	11,09	43,70	16,548	2,299	2,75	10,939	2,90	CLAYEY	Plastic	NO LIQUEFACTION	1,861	14,47	5,700	82,49	0,1322	0,982	0,226	---	-10,00
1	2,619	0,775	0,017	55,00	11,19	43,81	16,424	2,310	2,76	10,871	2,90	CLAYEY	Plastic	NO LIQUEFACTION	1,857	14,38	5,734	82,47	0,1322	0,982	0,226	---	-10,00
1	2,629	0,781	0,016	55,21	11,29	43,92	16,532	2,165	2,74	10,956	2,89	CLAYEY	Plastic	NO LIQUEFACTION	1,854	14,48	5,558	80,49	0,1285	0,982	0,227	---	-10,00
1	2,639	0,788	0,015	55,42	11,39	44,03	16,639	2,053	2,72	11,041	2,87	CLAYEY	Plastic	NO LIQUEFACTION	1,850	14,58	5,414	78,93	0,1257	0,982	0,227	---	-10,00
1	2,649	0,778	0,016	55,63	11,49	44,14	16,364	2,265	2,75	10,872	2,90	CLAYEY	Plastic	NO LIQUEFACTION	1,847	14,37	5,688	81,71	0,1307	0,982	0,227	---	-10,00
1	2,659	0,778	0,015	55,84	11,59	44,25	16,318	2,023	2,72	10,855	2,87	CLAYEY	Plastic	NO LIQUEFACTION	1,843	14,34	5,439	77,99	0,1241	0,982	0,227	---	-10,00
1	2,669	0,778	0,015	56,05	11,69	44,36	16,273	2,023	2,73	10,838	2,87	CLAYEY	Plastic	NO LIQUEFACTION	1,840	14,31	5,445	77,93	0,1240	0,982	0,228	---	-10,00
1	2,679	0,778	0,015	56,26	11,79	44,47	16,228	2,085	2,73	10,822	2,88	CLAYEY	Plastic	NO LIQUEFACTION	1,836	14,29	5,517	78,81	0,1255	0,982	0,228	---	-10,00
1	2,689	0,781	0,015	56,47	11,89	44,58	16,259	2,076	2,73	10,856	2,88	CLAYEY	Plastic	NO LIQUEFACTION	1,833	14,32	5,496	78,71	0,1253	0,982	0,228	---	-10,00
1	2,699	0,791	0,015	56,68	11,99	44,69	16,440	2,017	2,72	10,990	2,87	CLAYEY	Plastic	NO LIQUEFACTION	1,830	14,48	5,390	78,04	0,1242	0,982	0,228	---	-10,00
1	2,709	0,788	0,015	56,89	12,09	44,80	16,320	2,119	2,74	10,924	2,88	CLAYEY	Plastic	NO LIQUEFACTION	1,826	14,39	5,520	79,43	0,1266	0,982	0,229	---	-10,00
1	2,719	0,704	0,016	57,10	12,19	44,91	14,401	2,430	2,81	9,651	2,96	CLAYEY	Plastic	NO LIQUEFACTION	1,823	12,83	6,298	80,81	0,1291	0,981	0,229	---	-10,00
1	2,729	0,818	0,016	57,31	12,29	45,02	16,904	2,153	2,73	11,342	2,87	CLAYEY	Plastic	NO LIQUEFACTION	1,819	14,89	5,425	80,78	0,1290	0,981	0,229	---	-10,00
1	2,739	0,812	0,017	57,52	12,39	45,13	16,709	2,202	2,74	11,225	2,88	CLAYEY	Plastic	NO LIQUEFACTION	1,816	14,74	5,511	81,24	0,1299	0,981	0,230	---	-10,00
1	2,749	0,798	0,018	57,73	12,49	45,24	16,366	2,364	2,76	11,008	2,90	CLAYEY	Plastic	NO LIQUEFACTION	1,813	14,47	5,743	83,10	0,1334	0,981	0,230	---	-10,00
1	2,759	0,795	0,018	57,94	12,59	45,35	16,248	2,376	2,77	10,942	2,91	CLAYEY	Plastic	NO LIQUEFACTION	1,810	14,38	5,776	83,07	0,1333	0,981	0,230	---	-10,00
1	2,769	0,785	0,018	58,15	12,69	45,46	15,981	2,471	2,78	10,775	2,92	CLAYEY	Plastic	NO LIQUEFACTION	1,806	14,17	5,926	83,99	0,1351	0,981	0,230	---	-10,00
1	2,779	0,775	0,018	58,36	12,79	45,57	15,717	2,507	2,79	10,610	2,93	CLAYEY	Plastic	NO LIQUEFACTION	1,803	13,97	6,018	84,04	0,1352	0,981	0,231	---	-10,00
1	2,789	0,775	0,018	58,57	12,89	45,68	15,674	2,507	2,79	10,594	2,93	CLAYEY	Plastic	NO LIQUEFACTION	1,800	13,94	6,024	83,97	0,1351	0,981	0,231	---	-10,00
1	2,799	0,758	0,018	58,78	12,99	45,79	15,264	2,633	2,81	10,329	2,95	CLAYEY	Plastic	NO LIQUEFACTION	1,796	13,61	6,240	84,94	0,1370	0,981	0,231	---	-10,00
1	2,809	0,748	0,018	58,99	13,09	45,90	15,003	2,672	2,82	10,164	2,96	CLAYEY	Plastic	NO LIQUEFACTION	1,793	13,41	6,339	84,99	0,1371	0,981	0,231	---	-10,00
1	2,819	0,734	0,018	59,20	13,19	46,01	14,670	2,692	2,83	9,951	2,97	CLAYEY	Plastic	NO LIQUEFACTION	1,790	13,14	6,441	84,64	0,1364	0,981	0,232	---	-10,00
1	2,829	0,731	0,018	59,41	13,29	46,12	14,557	2,673	2,83	9,886	2,97	CLAYEY	Plastic	NO LIQUEFACTION	1,787	13,06	6,447	84,19	0,1355	0,981	0,232	---	-10,00
1	2,839	0,727	0,018	59,62	13,39	46,23	14,445	2,653	2,84	9,822	2,97	CLAYEY	Plastic	NO LIQUEFACTION	1,784	12,97	6,454	83,73	0,1346	0,981	0,232	---	-10,00
1	2,849	0,727	0,018	59,83	13,49	46,34	14,406	2,722	2,84	9,807	2,98	CLAYEY	Plastic	NO LIQUEFACTION	1,780	12,95	6,526	84,52	0,1361	0,981	0,232	---	-10,00
1	2,859	0,724	0,018	60,04	13,59	46,45	14,295	2,736	2,85	9,743	2,98	CLAYEY	Plastic	NO LIQUEFACTION	1,777	12,87	6,565	84,49	0,1361	0,980	0,233	---	-10,00
1	2,869	0,717	0,018	60,25	13,69	46,56	14,112	2,799	2,86	9,630	2,99	CLAYEY	Plastic	NO LIQUEFACTION	1,774	12,73	6,672	84,91	0,1369	0,980	0,233	---	-10,00
1	2,879	0,714	0,018	60,46	13,79	46,67	14,002	2,780	2,86	9,566	2,99	CLAYEY	Plastic	NO LIQUEFACTION	1,771	12,64	6,680	84,46	0,1360	0,980	0,233	---	-10,00
1	2,889	0,707	0,018	60,67	13,89	46,78	13,821	2,775	2,86	9,453	3,00	CLAYEY	Plastic	NO LIQUEFACTION	1,768	12,50	6,722	84,05	0,1352	0,980	0,233	---	-10,00
1	2,899	0,707	0,017	60,88	13,99	46,89	13,784	2,671	2,85	9,439	2,99	CLAYEY	Plastic	NO LIQUEFACTION	1,765	12,48	6,627	82,71	0,1326	0,980	0,234	---	-10,00
1	2,909	0,704	0,017	61,09	14,09	47,00	13,676	2,581	2,85	9,376	2,98	CLAYEY	Plastic	NO LIQUEFACTION	1,762	12,40	6,564	81,40	0,1302	0,980	0,234	---	-10,00
1	2,919	0,700	0,017	61,30	14,19	47,11	13,568	2,595	2,85	9,313	2,99	CLAYEY	Plastic	NO LIQUEFACTION	1,759	12,32	6,606	81,37	0,1301	0,980	0,234	---	-10,00
1	2,929	0,697	0,017	61,51	14,29	47,22	13,461	2,645	2,86	9,250	2,99	CLAYEY	Plastic	NO LIQUEFACTION	1,756	12,24	6,683	81,79	0,1309	0,980	0,234	---	-10,00
1	2,939	0,694	0,017	61,72	14,39	47,33	13,354	2,696	2,87	9,187	3,00	CLAYEY	Plastic	NO LIQUEFACTION	1,752	12,16	6,761	82,20	0,1317	0,980	0,235	---	-10,00
1	2,949	0,690	0,017	61,93	14,49	47,44	13,247	2,785	2,88	9,124	3,01	CLAYEY	Plastic	NO LIQUEFACTION	1,749	12,08	6,876	83,04	0,1333	0,980	0,235	---	-10,00
1	2,959	0,690	0,018	62,14	14,59	47,55	13,212	2,858	2,89	9,111	3,02	CLAYEY	Plastic	NO LIQUEFACTION	1,746	12,06	6,952	83,82	0,1348	0,980	0,235	---	-10,00
1	2,969	0,690	0,018	62,35	14,69	47,66	13,177	2,823	2,88	9,097	3,02	CLAYEY	Plastic	NO LIQUEFACTION	1,743	12,04	6,925	83,35	0,1339	0,980	0,235	---	-10,00
1	2,979	0,700	0,018	62,56	14,79	47,77	13,354	2,779	2,87	9,230	3,01	CLAYEY	Plastic	NO LIQUEFACTION	1,740	12,19	6,824	83,19	0,1335	0,980	0,235	---	-10,00
1	2,989	0,700	0,017	62,77	14,89	47,88	13,319	2,710	2,87	9,216	3,00	CLAYEY	Plastic	NO LIQUEFACTION	1,737	12,17	6,762	82,29	0,1318	0,980	0,236	---	-10,00
1	2,999	0,704	0,017	62,98	14,99	47,99	13,354	2,696	2,87	9,251	3,00	CLAYEY	Plastic	NO LIQUEFACTION	1,734	12,21	6,733	82,19	0,1316	0,979	0,236	---	-10,00
1	3,009	0,707	0,017	63,19	15,09	48,10	13,390	2,683	2,87	9,286	3,00	CLAYEY	Plastic	NO LIQUEFACTION	1,731	12,24	6,705	82,10	0,1315	0,979	0,236	---	-10,00
1	3,019	0,721	0,017	63,40	15,19	48,21	13,634	2,562	2,85	9,467	2,98	CLAYEY	Plastic	NO LIQUEFACTION	1,728	12,46	6,507	81,06	0,1295	0,979	0,236	---	-10,00
1	3,029	0,724	0,017	63,61	15,29	48,32	13,668	2,618	2,85	9,501	2,98	CLAYEY	Plastic	NO LIQUEFACTION	1,725	12,49	6,549	81,82	0,1309	0,979	0,237	---	-10,00
1	3,039	0,731	0,018	63,82	15,39	48,43	13,772	2,661	2,85	9,584	2,98	CLAYEY	Plastic	NO LIQUEFACTION	1,723	12,59	6,557	82,55	0,1323	0,979	0,237	---	-10,00
1	3,049	0,731	0,017	64,03	15,49																		

GU	Depth (m)	qc (MPa)	fs (MPa)	σv (kPa)	u (kPa)	σ'v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	3,159	0,842	0,021	66,34	16,59	49,75	15,590	2,734	2,82	10,996	2,94	CLAYEY	Plastic	NO LIQUEFACTION	1,688	14,21	6,101	86,72	0,1406	0,978	0,239	---	-10,00
1	3,169	0,835	0,022	66,55	16,69	49,86	15,417	2,818	2,83	10,886	2,95	CLAYEY	Plastic	NO LIQUEFACTION	1,685	14,08	6,216	87,50	0,1423	0,978	0,240	---	-10,00
1	3,179	0,839	0,022	66,76	16,79	49,97	15,446	2,809	2,83	10,918	2,95	CLAYEY	Plastic	NO LIQUEFACTION	1,683	14,11	6,196	87,43	0,1421	0,978	0,240	---	-10,00
1	3,189	0,842	0,022	66,97	16,89	50,08	15,475	2,857	2,83	10,951	2,95	CLAYEY	Plastic	NO LIQUEFACTION	1,680	14,14	6,229	88,09	0,1436	0,978	0,240	---	-10,00
1	3,199	0,862	0,023	67,18	16,99	50,19	15,839	2,845	2,82	11,221	2,94	CLAYEY	Plastic	NO LIQUEFACTION	1,677	14,46	6,127	88,58	0,1446	0,978	0,240	---	-10,00
1	3,209	0,882	0,023	67,39	17,09	50,30	16,202	2,833	2,81	11,491	2,93	CLAYEY	Plastic	NO LIQUEFACTION	1,674	14,77	6,029	89,07	0,1457	0,978	0,240	---	-10,00
1	3,219	0,896	0,024	67,60	17,19	50,41	16,430	2,924	2,82	11,665	2,94	CLAYEY	Plastic	NO LIQUEFACTION	1,672	14,97	6,055	90,67	0,1493	0,978	0,241	---	-10,00
1	3,229	0,923	0,025	67,81	17,29	50,52	16,924	2,940	2,81	12,029	2,93	CLAYEY	Plastic	NO LIQUEFACTION	1,669	15,40	5,957	91,74	0,1518	0,978	0,241	---	-10,00
1	3,239	0,929	0,028	68,02	17,39	50,63	17,016	3,259	2,83	12,107	2,95	CLAYEY	Plastic	NO LIQUEFACTION	1,666	15,49	6,202	96,05	0,1624	0,978	0,241	---	-10,00
1	3,249	0,970	0,031	68,23	17,49	50,74	17,771	3,391	2,83	12,658	2,94	CLAYEY	Plastic	NO LIQUEFACTION	1,663	16,13	6,146	99,15	0,1706	0,978	0,241	---	-10,00
1	3,259	0,990	0,032	68,44	17,59	50,85	18,126	3,440	2,82	12,925	2,94	CLAYEY	Plastic	NO LIQUEFACTION	1,661	16,44	6,109	100,44	0,1742	0,978	0,241	---	-10,00
1	3,269	1,037	0,033	68,65	17,69	50,96	19,008	3,392	2,80	13,569	2,92	CLAYEY	Plastic	NO LIQUEFACTION	1,658	17,20	5,899	101,45	0,1771	0,978	0,242	---	-10,00
1	3,279	1,084	0,034	68,86	17,79	51,07	19,886	3,325	2,78	14,211	2,90	CLAYEY	Plastic	NO LIQUEFACTION	1,655	17,95	5,688	102,10	0,1790	0,978	0,242	---	-10,00
1	3,289	1,091	0,035	69,07	17,89	51,18	19,971	3,462	2,79	14,287	2,91	CLAYEY	Plastic	NO LIQUEFACTION	1,653	18,03	5,774	104,12	0,1850	0,977	0,242	---	-10,00
1	3,299	1,115	0,035	69,28	17,99	51,29	20,384	3,340	2,78	14,598	2,89	CLAYEY	Plastic	NO LIQUEFACTION	1,650	18,39	5,609	103,17	0,1821	0,977	0,242	---	-10,00
1	3,309	1,121	0,036	69,49	18,09	51,40	20,467	3,429	2,78	14,673	2,90	CLAYEY	Plastic	NO LIQUEFACTION	1,647	18,47	5,659	104,54	0,1862	0,977	0,242	---	-10,00
1	3,319	1,152	0,036	69,70	18,19	51,51	21,008	3,293	2,76	15,077	2,88	CLAYEY	Plastic	NO LIQUEFACTION	1,645	18,94	5,467	103,56	0,1833	0,977	0,243	---	-10,00
1	3,329	1,145	0,039	69,91	18,29	51,62	20,828	3,610	2,79	14,964	2,90	CLAYEY	Plastic	NO LIQUEFACTION	1,642	18,80	5,725	107,65	0,1960	0,977	0,243	---	-10,00
1	3,339	1,189	0,040	70,12	18,39	51,73	21,626	3,593	2,78	15,554	2,89	CLAYEY	Plastic	NO LIQUEFACTION	1,639	19,49	5,584	108,84	0,1999	0,977	0,243	---	-10,00
1	3,349	1,206	0,041	70,33	18,49	51,84	21,901	3,640	2,78	15,769	2,89	CLAYEY	Plastic	NO LIQUEFACTION	1,637	19,73	5,573	109,98	0,2037	0,977	0,243	---	-10,00
1	3,359	1,283	0,041	70,54	18,59	51,95	23,342	3,373	2,73	16,824	2,84	CLAYEY	Plastic	NO LIQUEFACTION	1,634	20,97	5,175	108,53	0,1989	0,977	0,243	---	-10,00
1	3,369	1,266	0,041	70,75	18,69	52,06	22,965	3,440	2,74	16,570	2,86	CLAYEY	Plastic	NO LIQUEFACTION	1,632	20,66	5,271	108,91	0,2001	0,977	0,244	---	-10,00
1	3,379	1,300	0,046	70,96	18,79	52,17	23,558	3,714	2,76	17,015	2,87	CLAYEY	Plastic	NO LIQUEFACTION	1,629	21,18	5,379	113,91	0,2175	0,977	0,244	---	-10,00
1	3,389	1,344	0,048	71,16	18,89	52,28	24,342	3,784	2,75	17,600	2,86	CLAYEY	Plastic	NO LIQUEFACTION	1,627	21,86	5,319	116,26	0,2261	0,977	0,244	---	-10,00
1	3,399	1,361	0,048	71,37	18,99	52,39	24,609	3,754	2,75	17,811	2,85	CLAYEY	Plastic	NO LIQUEFACTION	1,624	22,10	5,262	116,26	0,2262	0,977	0,244	---	-10,00
1	3,409	1,421	0,050	71,58	19,09	52,50	25,708	3,738	2,73	18,627	2,84	CLAYEY	Plastic	NO LIQUEFACTION	1,621	23,04	5,114	117,85	0,2322	0,977	0,244	---	-10,00
1	3,419	1,435	0,051	71,79	19,19	52,61	25,906	3,753	2,73	18,790	2,84	CLAYEY	Plastic	NO LIQUEFACTION	1,619	23,23	5,098	118,39	0,2343	0,977	0,245	---	-10,00
1	3,429	1,489	0,053	72,00	19,29	52,72	26,870	3,756	2,72	19,509	2,82	CLAYEY	Plastic	NO LIQUEFACTION	1,616	24,06	4,988	120,00	0,2407	0,976	0,245	---	-10,00
1	3,439	1,492	0,053	72,21	19,39	52,83	26,874	3,732	2,72	19,533	2,82	CLAYEY	Plastic	NO LIQUEFACTION	1,614	24,08	4,969	119,64	0,2392	0,976	0,245	---	-10,00
1	3,449	1,499	0,053	72,42	19,49	52,94	26,942	3,749	2,72	19,602	2,82	CLAYEY	Plastic	NO LIQUEFACTION	1,611	24,15	4,969	120,00	0,2407	0,976	0,245	---	-10,00
1	3,459	1,536	0,052	72,63	19,59	53,05	27,580	3,550	2,69	20,087	2,80	CLAYEY	Plastic	NO LIQUEFACTION	1,609	24,71	4,769	117,82	0,2321	0,976	0,245	---	-10,00
1	3,469	1,569	0,057	72,84	19,69	53,16	28,153	3,804	2,71	20,526	2,81	CLAYEY	Plastic	NO LIQUEFACTION	1,606	25,21	4,870	122,77	0,2521	0,976	0,246	---	-10,00
1	3,479	1,616	0,061	73,05	19,79	53,27	28,976	3,940	2,71	21,148	2,81	CLAYEY	Plastic	NO LIQUEFACTION	1,604	25,93	4,869	126,24	0,2671	0,976	0,246	---	-10,00
1	3,489	1,650	0,064	73,26	19,89	53,38	29,543	4,043	2,71	21,584	2,81	CLAYEY	Plastic	NO LIQUEFACTION	1,601	26,43	4,874	128,80	0,2787	0,976	0,246	---	-10,00
1	3,499	1,704	0,068	73,47	19,99	53,49	30,486	4,177	2,71	22,296	2,81	CLAYEY	Plastic	NO LIQUEFACTION	1,599	27,25	4,862	132,46	0,2961	0,976	0,246	---	-10,00
1	3,509	1,731	0,070	73,68	20,09	53,60	30,922	4,206	2,71	22,638	2,81	CLAYEY	Plastic	NO LIQUEFACTION	1,596	27,63	4,836	133,63	0,3019	0,976	0,246	---	-10,00
1	3,519	1,798	0,076	73,89	20,19	53,71	32,109	4,386	2,71	23,531	2,81	CLAYEY	Plastic	NO LIQUEFACTION	1,594	28,67	4,831	138,48	0,3270	0,976	0,246	---	-10,00
1	3,529	1,903	0,078	74,10	20,29	53,82	33,979	4,262	2,68	24,927	2,78	CLAYEY	Plastic	NO LIQUEFACTION	1,592	30,28	4,604	139,43	0,3321	0,976	0,247	---	-10,00
1	3,539	1,940	0,080	74,31	20,39	53,93	34,593	4,315	2,68	25,403	2,78	CLAYEY	Plastic	NO LIQUEFACTION	1,589	30,83	4,583	141,28	0,3422	0,976	0,247	---	-10,00
1	3,549	2,034	0,079	74,52	20,49	54,04	36,264	4,041	2,64	26,657	2,74	CLAYEY	Plastic	NO LIQUEFACTION	1,587	32,27	4,307	139,00	0,3297	0,976	0,247	---	-10,00
1	3,559	2,068	0,088	74,73	20,59	54,15	36,808	4,428	2,67	27,085	2,76	CLAYEY	Plastic	NO LIQUEFACTION	1,584	32,76	4,477	146,66	0,3734	0,976	0,247	---	-10,00
1	3,569	2,182	0,091	74,94	20,69	54,26	38,840	4,319	2,64	28,609	2,74	CLAYEY	Plastic	NO LIQUEFACTION	1,582	34,52	4,281	147,78	0,3801	0,976	0,247	---	-10,00
1	3,579	2,236	0,093	75,15	20,79	54,37	39,749	4,307	2,63	29,308	2,73	CLAYEY	Plastic	NO LIQUEFACTION	1,579	35,32	4,216	148,89	0,3870	0,975	0,247	---	-10,00
1	3,589	2,361	0,098	75,36	20,89	54,48	41,952	4,291	2,62	30,964	2,71	CLAYEY	Plastic	NO LIQUEFACTION	1,577	37,23	4,076	151,75	0,4050	0,975	0,248	---	-10,00
1	3,599	2,448	0,101	75,57	20,99	54,59	43,468	4,266	2,60	32,115	2,70	CLAYEY	Plastic	NO LIQUEFACTION	1,575	38,55	3,979	153,39	0,4156	0,975	0,248	---	-10,00
1	3,609	2,607	0,108	75,78	21,09	54,70	46,271	4,284	2,59	34,220	2,68	GRANULAR	Plastic	NO LIQUEFACTION	1,572	40,98	3,845	157,57	0,4438	0,975	0,248	---	-10,00
1	3,619	2,694	0,114	75,99	21,19	54,81	47,772	4,338	2,58	35,366	2,67	GRANULAR	Plastic	NO LIQUEFACTION	1,570	42,30	3,799	160,69	---	0,975	0,248	---	-10,00
1	3,629	2,755	0,114	76,20	21,29	54,92	48,776	4,248	2,57	36,146	2,66	GRANULAR	Plastic	NO LIQUEFACTION	1,568	43,18	3,709	160,16	---	0,975	0,248	---	-10,00
1	3,639	2,852	0,115	76,41	21,39	55,03	50,450	4,146	2,55	37,423	2,64	GRANULAR	Plastic	NO LIQUEFACTION	1,565	44,65	3,588	160,17	---	0,975	0,249	---	-10,00
1	3,649	2,920	0,179	76,62	21,49	55,14	51,567	6,285	2,68	38,290	2,76	CLAYEY	Plastic	NO LIQUEFACTION	1,563	45,63	4,478	204,34	---	0,975	0,249	---	-10,00
1	3,659	2,964	0,108	76,83	21,59	55,25	52,253	3,751	2,51	38,838	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	1,345	39,87	3,322	132,47	0,2962	0,975	0,249	1,19	1,72
1	3,669	2,953	0,111	77,04	21,69	55,36	51,963	3,858	2,52	38,661	2,61	GRANULAR	Plastic	NO LIQUEFACTION	1,558	46,02	3,383	155,70	0,4310	0,975	0,249	---	-10,00
1	3,679	2,852																					

GU	Depth (m)	qc (MPa)	fs (MPa)	σ _v (kPa)	u (kPa)	σ' _v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	3,789	2,970	0,120	79,56	22,89	56,67	51,006	4,166	2,55	38,399	2,63	GRANULAR	Plastic	NO LIQUEFACTION	1,531	45,47	3,545	161,18	---	0,974	0,251	---	-10,00
1	3,799	3,630	0,120	79,77	22,99	56,78	62,528	3,373	2,42	47,118	2,51	GRANULAR	Non Plastic	CHECK LIQUEF.	1,327	48,18	2,803	135,05	0,3091	0,974	0,251	1,23	1,77
1	3,809	3,836	0,125	79,98	23,09	56,89	66,014	3,341	2,40	49,793	2,49	GRANULAR	Non Plastic	CHECK LIQUEF.	1,326	50,85	2,702	137,43	0,3214	0,974	0,251	1,28	1,84
1	3,819	4,008	0,122	80,19	23,19	57,00	68,896	3,099	2,36	52,017	2,45	GRANULAR	Non Plastic	CHECK LIQUEF.	1,324	53,08	2,530	134,29	0,3052	0,974	0,251	1,21	1,75
1	3,829	4,176	0,119	80,40	23,29	57,11	71,708	2,907	2,33	54,192	2,42	GRANULAR	Non Plastic	CHECK LIQUEF.	1,323	55,26	2,389	131,98	0,2938	0,974	0,252	1,17	1,68
1	3,839	4,469	0,118	80,61	23,39	57,22	76,686	2,682	2,29	58,011	2,37	GRANULAR	Non Plastic	CHECK LIQUEF.	1,322	59,08	2,204	130,21	0,2853	0,974	0,252	1,13	1,63
1	3,849	4,802	0,118	80,82	23,49	57,33	82,351	2,494	2,24	62,355	2,33	GRANULAR	Non Plastic	CHECK LIQUEF.	1,321	63,42	2,043	129,54	0,2822	0,974	0,252	1,12	1,62
1	3,859	4,981	0,123	81,03	23,59	57,44	85,297	2,501	2,23	64,648	2,32	GRANULAR	Non Plastic	CHECK LIQUEF.	1,319	65,72	2,007	131,89	0,2933	0,974	0,252	1,16	1,68
1	3,869	4,998	0,126	81,24	23,69	57,55	85,423	2,557	2,24	64,805	2,32	GRANULAR	Non Plastic	CHECK LIQUEF.	1,318	65,88	2,027	133,55	0,3015	0,973	0,252	1,20	1,72
1	3,879	5,139	0,133	81,45	23,79	57,66	87,709	2,630	2,24	66,603	2,32	GRANULAR	Non Plastic	CHECK LIQUEF.	1,317	67,68	2,028	137,22	0,3203	0,973	0,252	1,27	1,83
1	3,889	5,324	0,134	81,66	23,89	57,77	90,745	2,555	2,22	68,974	2,30	GRANULAR	Non Plastic	CHECK LIQUEF.	1,316	70,05	1,962	137,46	0,3215	0,973	0,252	1,27	1,84
1	3,898	5,466	0,129	81,87	23,98	57,88	93,012	2,391	2,19	70,765	2,28	GRANULAR	Non Plastic	CHECK LIQUEF.	1,314	71,84	1,874	134,64	0,3070	0,973	0,253	1,22	1,75
1	3,908	5,877	0,132	82,08	24,08	57,99	99,917	2,271	2,16	76,090	2,24	GRANULAR	Non Plastic	CHECK LIQUEF.	1,313	77,17	1,765	136,18	0,3149	0,973	0,253	1,25	1,80
1	3,918	6,085	0,133	82,29	24,18	58,10	103,318	2,211	2,14	78,755	2,22	GRANULAR	Non Plastic	CHECK LIQUEF.	1,312	79,83	1,715	136,90	0,3186	0,973	0,253	1,26	1,82
1	3,928	6,109	0,139	82,50	24,28	58,21	103,524	2,311	2,15	78,986	2,23	GRANULAR	Non Plastic	CHECK LIQUEF.	1,311	80,07	1,748	139,98	0,3351	0,973	0,253	1,32	1,91
1	3,938	6,159	0,145	82,71	24,38	58,32	104,191	2,381	2,16	79,571	2,24	GRANULAR	Non Plastic	CHECK LIQUEF.	1,309	80,65	1,767	142,52	0,3492	0,973	0,253	1,38	1,99
1	3,948	6,301	0,149	82,92	24,48	58,43	106,412	2,402	2,16	81,343	2,23	GRANULAR	Non Plastic	CHECK LIQUEF.	1,308	82,43	1,756	144,78	0,3622	0,973	0,253	1,43	2,06
1	3,958	6,345	0,155	83,13	24,58	58,54	106,957	2,471	2,16	81,836	2,24	GRANULAR	Non Plastic	CHECK LIQUEF.	1,307	82,92	1,776	147,24	0,3768	0,973	0,254	1,49	2,14
1	3,968	6,301	0,160	83,34	24,68	58,65	106,006	2,571	2,18	81,185	2,26	GRANULAR	Non Plastic	CHECK LIQUEF.	1,306	82,27	1,817	149,51	0,3908	0,973	0,254	1,54	2,22
1	3,978	6,153	0,164	83,55	24,78	58,76	103,283	2,698	2,20	79,174	2,28	GRANULAR	Non Plastic	CHECK LIQUEF.	1,305	80,26	1,884	151,22	0,4016	0,973	0,254		
1	3,988	6,156	0,171	83,76	24,88	58,87	103,144	2,824	2,22	79,141	2,29	GRANULAR	Non Plastic	CHECK LIQUEF.	1,303	80,23	1,929	154,77	0,4248	0,973	0,254		
1	3,998	6,129	0,174	83,97	24,98	58,98	102,491	2,886	2,23	78,713	2,30	GRANULAR	Non Plastic	CHECK LIQUEF.	1,302	79,81	1,956	156,11	0,4338	0,973	0,254		
1	4,008	6,112	0,184	84,18	25,08	59,09	102,012	3,051	2,25	78,418	2,32	GRANULAR	Non Plastic	CHECK LIQUEF.	1,301	79,51	2,018	160,49	---	0,972	0,254		
1	4,018	5,988	0,190	84,39	25,18	59,20	99,714	3,218	2,27	76,723	2,34	GRANULAR	Non Plastic	CHECK LIQUEF.	1,300	77,82	2,100	163,42	---	0,972	0,254		
1	4,028	5,870	0,176	84,60	25,28	59,31	97,539	3,043	2,26	75,119	2,33	GRANULAR	Non Plastic	CHECK LIQUEF.	1,298	76,22	2,059	156,95	0,4396	0,972	0,255		
1	4,038	5,701	0,176	84,81	25,38	59,42	94,521	3,135	2,28	72,863	2,35	GRANULAR	Non Plastic	CHECK LIQUEF.	1,297	73,96	2,125	157,16	0,4410	0,972	0,255		
1	4,048	5,762	0,175	85,02	25,48	59,53	95,361	3,087	2,27	73,578	2,34	GRANULAR	Non Plastic	CHECK LIQUEF.	1,296	74,68	2,097	156,61	0,4372	0,972	0,255		
1	4,058	5,890	0,177	85,23	25,58	59,64	97,328	3,053	2,26	75,165	2,33	GRANULAR	Non Plastic	CHECK LIQUEF.	1,295	76,27	2,062	157,28	0,4418	0,972	0,255		
1	4,068	5,964	0,179	85,44	25,68	59,75	98,385	3,051	2,26	76,051	2,33	GRANULAR	Non Plastic	CHECK LIQUEF.	1,294	77,16	2,049	158,12	0,4476	0,972	0,255		
1	4,078	5,954	0,184	85,65	25,78	59,86	98,032	3,137	2,27	75,848	2,34	GRANULAR	Non Plastic	CHECK LIQUEF.	1,292	76,96	2,083	160,30	---	0,972	0,255		
1	4,088	5,786	0,187	85,86	25,88	59,97	95,041	3,288	2,29	73,601	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	1,291	74,71	2,170	162,12	---	0,972	0,255		
1	4,098	5,560	0,193	86,07	25,98	60,08	91,108	3,528	2,32	70,620	2,40	GRANULAR	Non Plastic	CHECK LIQUEF.	1,290	71,73	2,306	165,38	---	0,972	0,256		
1	4,108	5,021	0,196	86,28	26,08	60,19	81,987	3,967	2,39	63,608	2,47	GRANULAR	Non Plastic	CHECK LIQUEF.	1,289	64,72	2,605	168,59	---	0,972	0,256		
1	4,118	4,769	0,194	86,49	26,18	60,30	77,645	4,134	2,42	60,295	2,50	GRANULAR	Non Plastic	CHECK LIQUEF.	1,288	61,41	2,746	168,61	---	0,972	0,256		
1	4,128	4,102	0,185	86,70	26,28	60,41	66,463	4,606	2,50	51,658	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,287	52,77	3,180	167,83	---	0,972	0,256		
1	4,138	3,812	0,155	86,91	26,38	60,52	61,553	4,163	2,49	47,886	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,285	49,00	3,128	153,26	0,4148	0,972	0,256		
1	4,148	3,253	0,099	87,11	26,48	60,63	52,218	3,112	2,45	40,660	2,53	GRANULAR	Non Plastic	CHECK LIQUEF.	1,284	41,78	2,921	122,03	0,2490	0,972	0,256	0,97	1,40
1	4,158	3,065	0,110	87,32	26,58	60,74	49,015	3,693	2,52	38,201	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	1,283	39,32	3,326	130,77	0,2879	0,971	0,256	1,12	1,62
1	4,168	2,745	0,092	87,53	26,68	60,85	43,666	3,458	2,54	34,062	2,62	GRANULAR	Plastic	NO LIQUEFACTION	1,451	39,84	3,432	136,73	0,3177	0,971	0,256	---	-10,00
1	4,178	2,556	0,093	87,74	26,78	60,96	40,490	3,762	2,59	31,614	2,67	GRANULAR	Plastic	NO LIQUEFACTION	1,449	37,05	3,752	139,01	0,3298	0,971	0,257	---	-10,00
1	4,188	2,233	0,090	87,95	26,88	61,07	35,120	4,189	2,66	27,446	2,74	CLAYEY	Plastic	NO LIQUEFACTION	1,448	32,32	4,315	139,46	0,3323	0,971	0,257	---	-10,00
1	4,198	2,105	0,092	88,16	26,98	61,18	32,962	4,567	2,71	25,782	2,79	CLAYEY	Plastic	NO LIQUEFACTION	1,446	30,43	4,681	142,41	0,3486	0,971	0,257	---	-10,00
1	4,208	2,101	0,117	88,37	27,08	61,29	32,844	5,788	2,78	25,713	2,86	CLAYEY	Plastic	NO LIQUEFACTION	1,444	30,34	5,307	161,01	---	0,971	0,257	---	-10,00
1	4,218	3,001	0,005	88,58	27,18	61,40	47,426	0,164	1,85	37,163	1,95	GRANULAR	Non Plastic	CHECK LIQUEF.	1,276	38,29	1,239	47,44	0,0895	0,971	0,257	0,35	0,50
1	4,228	3,772	0,159	88,79	27,28	61,51	59,876	4,318	2,51	46,960	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,275	48,09	3,229	155,29	0,4282	0,971	0,257		
1	4,238	5,345	0,192	89,00	27,38	61,62	85,288	3,659	2,36	66,950	2,43	GRANULAR	Non Plastic	CHECK LIQUEF.	1,274	68,08	2,420	164,79	---	0,971	0,257		
1	4,248	6,483	0,219	89,21	27,48	61,73	103,572	3,424	2,28	81,375	2,35	GRANULAR	Non Plastic	CHECK LIQUEF.	1,273	82,51	2,110	174,12	---	0,971	0,258		
1	4,258	8,860	0,249	89,42	27,58	61,84	141,831	2,836	2,13	111,534	2,20	GRANULAR	Non Plastic	CHECK LIQUEF.	1,272	112,67	1,657	186,66	---	0,971	0,258		
1	4,268	10,359	0,293	89,63	27,68	61,95	165,766	2,849	2,09	130,473	2,15	GRANULAR	Non Plastic	CHECK LIQUEF.	1,271	131,61	1,561	205,44	---	0,971	0,258		
1	4,278	13,915	0,392	89,84	27,78	62,06	222,773	2,839	2,01	175,497	2,07	GRANULAR	Non Plastic	CHECK LIQUEF.	1,269	176,64	1,410	248,99	---	0,971	0,258		
1	4,288	17,748	0,379	90,05	27,88	62,17	284,019	2,145	1,85	223,944	1,91	GRANULAR	Non Plastic	CHECK LIQUEF.	1,268	225,09	1,202	270,49	---	0,971	0,258		
1	4,298	20,041	0,518	90,26	27,98	62,28	320,338	2,596	1,90	252,804	1,95	GRANULAR	Non Plastic	CHECK LIQUEF.	1,267	253,95	1,242	315,38	---	0,970	0,258		
1	4,308	24,675	0,605	90,47	28,08	62,39	394,043	2,459	1,83	311,245	1,88	GRANULAR	Non Plastic	CHECK LIQUEF.	1,266	312,39	1,174	366,75	---	0,970	0,258		
1	4,318	27,029	0,638</																				

GU	Depth (m)	qc (MPa)	fs (MPa)	σ_v (kPa)	u (kPa)	σ'_v (kPa)	Q	F	Ic (n=1)	Ic (n=0.5)	Ic (n=0.5)	Type	Behaviour	Liqefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	4,418	38,169	1,038	92,78	29,18	63,60	598,691	2,725	1,79	477,452	1,83	GRANULAR	Non Plastic	CHECK LIQUEF.	1,254	478,62	1,133	542,18	---	0,970	0,260		
1	4,428	38,429	1,231	92,99	29,28	63,71	601,725	3,212	1,86	480,286	1,90	GRANULAR	Non Plastic	CHECK LIQUEF.	1,253	481,45	1,187	571,57	---	0,970	0,260		

CPT	CPT3
Magnitude	6,5
α (NEAK)	0,24
coeff	0,85
a_{\max}	0,28

Z water (m)	1,5
γ_w (kN/m ³)	10

GU	γ (kN/m ³)
1	21
2	-
3	-
4	-

P_a (kPa) =	100
n (1.0)	1,0
n (0.5)	0,5

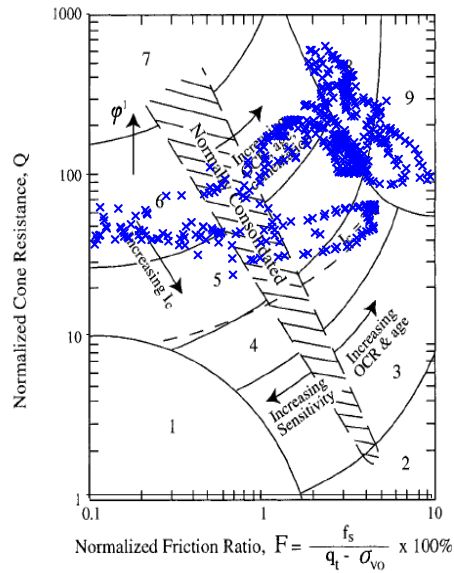
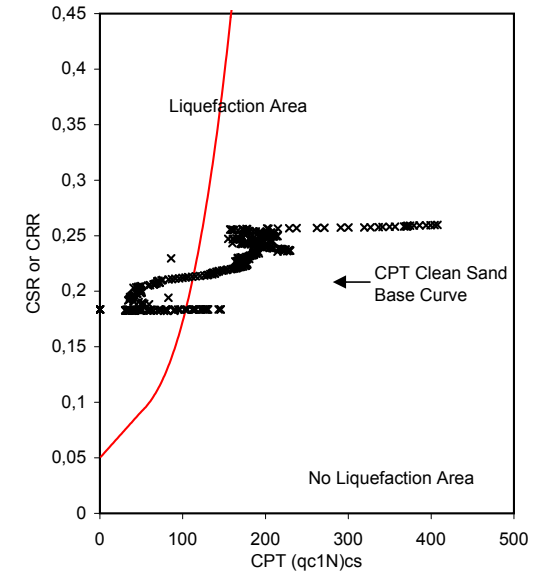
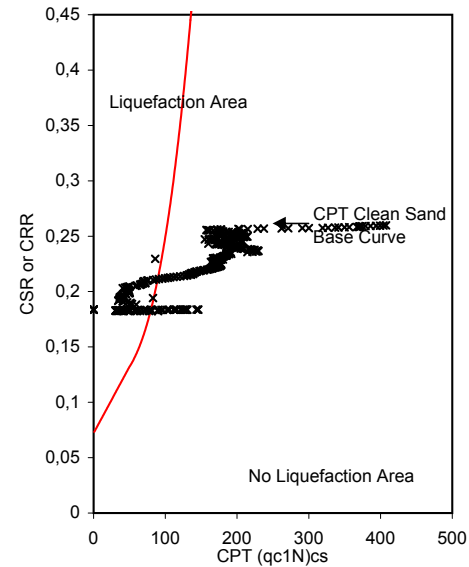
Simplified procedure for Liquefaction evaluation based on the 1996 NCEER and 1998 NCEER/NSF

Limitations:

1. The simplified procedure is verified for depth up to 15m
2. The method is verified for level to gently sloping ground
3. The method is verified for Holocene alluvial or fluvial deposits

The CPT results are evaluated for earthquake magnitudes stated in the charts

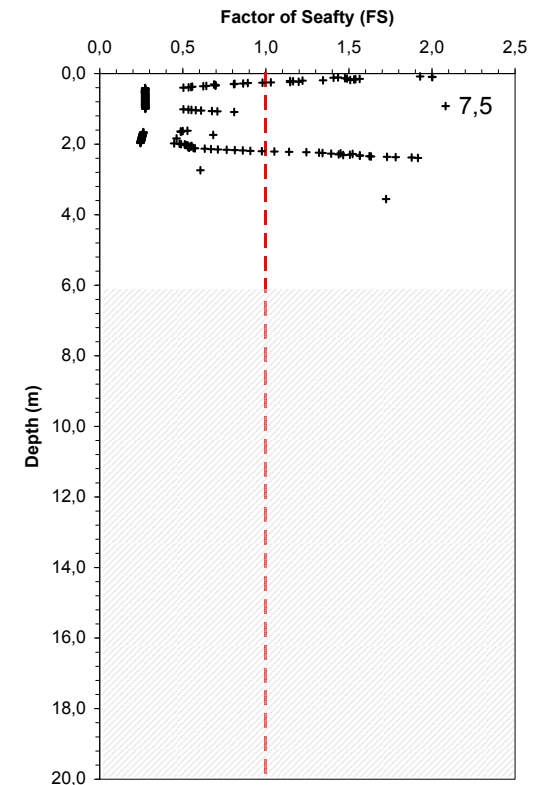
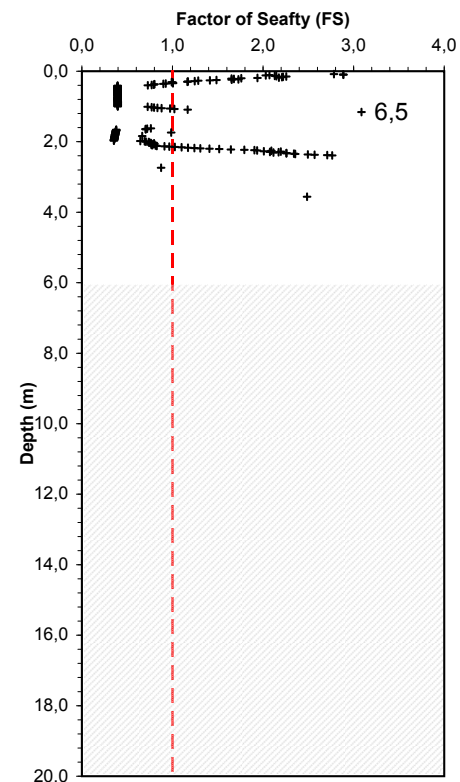
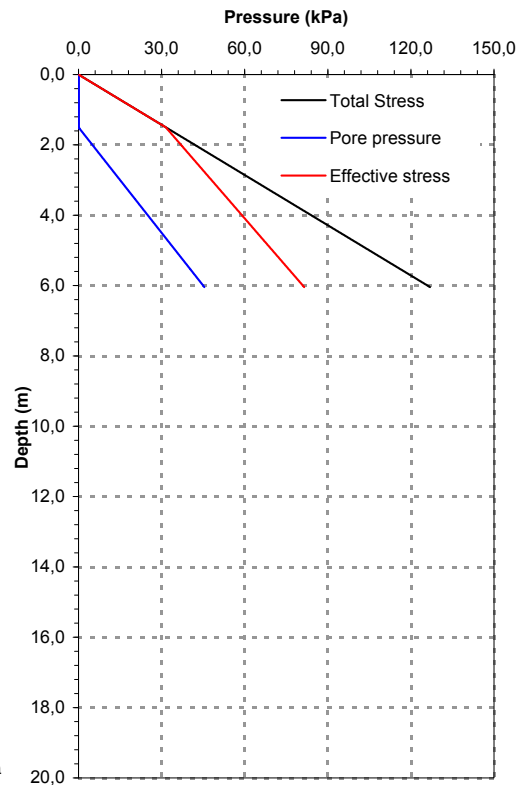
The water table height is based on field observations



1. Sensitive, fine grained
2. Organic soils - peats
3. Clays - silty clay to clay
4. Silt mixtures - clayey silt to silty clay
5. Sand mixtures - silty sand to sandy silt
6. Sands - clean sand to silty sand
7. Gravelly sand to dense sand
8. Very stiff sand to clayey sand*
9. Very stiff, fine grained*

*Heavily overconsolidated or cemented

FIG. 5. CPT-Based Soil Behavior-Type Chart Proposed by Robertson (1990)



GU	Depth (m)	qc (MPa)	fs (MPa)	σv (kPa)	u (kPa)	σ'v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	0,010	0,529	0,000	0,20	0,00	0,20	2643,406	0,000		118,199	#NUM!									1,001	0,184		
1	0,020	0,603	0,000	0,40	0,00	0,40	1506,480	0,000		95,264	#NUM!									1,001	0,184		
1	0,030	0,738	0,000	0,60	0,00	0,60	1228,564	0,000		95,150	#NUM!									1,001	0,184		
1	0,040	0,781	0,000	0,80	0,00	0,80	975,914	0,000		87,276	#NUM!									1,001	0,184		
1	0,050	0,896	0,000	1,00	0,00	1,00	895,066	0,000		89,493	#NUM!									1,001	0,184		
1	0,060	0,946	0,000	1,20	0,00	1,20	787,830	0,000		86,290	#NUM!									1,001	0,184		
1	0,070	1,014	0,000	1,40	0,00	1,40	723,264	0,000		85,565	#NUM!									1,001	0,184		
1	0,080	1,061	0,025	1,60	0,00	1,60	662,207	2,400	1,73	83,751	2,23	GRANULAR	Non Plastic	CHECK LIQUEF.	7,907	83,88	1,732	145,30	0,3653	1,001	0,184	1,989	2,87
1	0,090	1,111	0,028	1,80	0,00	1,80	616,589	2,513	1,76	82,712	2,24	GRANULAR	Non Plastic	CHECK LIQUEF.	7,455	82,85	1,781	147,56	0,3788	1,001	0,184	2,0626	2,97
1	0,100	1,121	0,029	2,00	0,00	2,00	559,884	2,631	1,79	79,168	2,27	GRANULAR	Non Plastic	CHECK LIQUEF.	7,072	79,31	1,861	147,56	0,3788	1,001	0,184	2,06	2,97
1	0,110	1,172	0,022	2,20	0,00	2,20	531,862	1,918	1,68	78,876	2,18	GRANULAR	Non Plastic	CHECK LIQUEF.	6,743	79,02	1,609	127,14	0,2711	1,001	0,184	1,48	2,13
1	0,120	1,189	0,023	2,40	0,00	2,40	494,475	1,947	1,70	76,593	2,19	GRANULAR	Non Plastic	CHECK LIQUEF.	6,456	76,75	1,641	125,95	0,2658	1,001	0,184	1,45	2,09
1	0,130	1,222	0,025	2,60	0,00	2,60	469,318	2,078	1,73	75,664	2,21	GRANULAR	Non Plastic	CHECK LIQUEF.	6,203	75,83	1,699	128,80	0,2787	1,001	0,184	1,52	2,19
1	0,140	1,283	0,026	2,80	0,00	2,80	457,380	2,069	1,74	76,523	2,21	GRANULAR	Non Plastic	CHECK LIQUEF.	5,977	76,69	1,686	129,30	0,2811	1,001	0,184	1,53	2,21
1	0,150	1,260	0,029	3,00	0,00	3,00	418,961	2,305	1,80	72,555	2,26	GRANULAR	Non Plastic	CHECK LIQUEF.	5,774	72,73	1,819	132,27	0,2952	1,000	0,184	1,61	2,32
1	0,160	1,189	0,029	3,20	0,00	3,20	370,606	2,482	1,85	66,286	2,31	GRANULAR	Non Plastic	CHECK LIQUEF.	5,591	66,47	1,974	131,17	0,2899	1,000	0,184	1,58	2,28
1	0,170	1,175	0,030	3,40	0,00	3,40	344,784	2,567	1,88	63,566	2,33	GRANULAR	Non Plastic	CHECK LIQUEF.	5,424	63,75	2,052	130,81	0,2882	1,000	0,184	1,57	2,26
1	0,180	1,138	0,030	3,60	0,00	3,60	315,281	2,671	1,91	59,812	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	5,271	60,00	2,164	129,82	0,2835	1,000	0,184	1,54	2,23
1	0,190	1,118	0,028	3,80	0,00	3,80	293,315	2,498	1,90	57,169	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	5,131	57,36	2,141	122,84	0,2524	1,000	0,184	1,37	1,98
1	0,200	1,101	0,026	4,00	0,00	4,00	274,389	2,352	1,90	54,870	2,35	GRANULAR	Non Plastic	CHECK LIQUEF.	5,001	55,07	2,124	116,96	0,2288	1,000	0,184	1,25	1,80
1	0,210	1,098	0,025	4,20	0,00	4,20	260,473	2,254	1,89	53,373	2,35	GRANULAR	Non Plastic	CHECK LIQUEF.	4,880	53,58	2,111	113,10	0,2146	1,000	0,184	1,17	1,69
1	0,220	1,084	0,026	4,40	0,00	4,40	245,525	2,364	1,93	51,494	2,37	GRANULAR	Non Plastic	CHECK LIQUEF.	4,768	51,70	2,206	114,03	0,2179	1,000	0,184	1,19	1,71
1	0,230	1,105	0,027	4,60	0,00	4,60	239,201	2,443	1,94	51,295	2,38	GRANULAR	Non Plastic	CHECK LIQUEF.	4,663	51,51	2,248	115,78	0,2244	1,000	0,184	1,22	1,76
1	0,240	1,064	0,026	4,80	0,00	4,80	220,771	2,451	1,96	48,361	2,40	GRANULAR	Non Plastic	CHECK LIQUEF.	4,565	48,58	2,328	113,08	0,2145	1,000	0,184	1,17	1,69
1	0,250	1,064	0,023	5,00	0,00	5,00	211,900	2,216	1,94	47,375	2,38	GRANULAR	Non Plastic	CHECK LIQUEF.	4,473	47,60	2,238	106,52	0,1924	1,000	0,184	1,05	1,51
1	0,260	1,088	0,023	5,20	0,00	5,20	208,246	2,083	1,92	47,480	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	4,386	47,71	2,168	103,43	0,1829	1,000	0,184	1,00	1,44
1	0,270	1,108	0,020	5,40	0,00	5,40	204,239	1,841	1,88	47,454	2,33	GRANULAR	Non Plastic	CHECK LIQUEF.	4,304	47,69	2,044	97,48	0,1661	1,000	0,183	0,91	1,31
1	0,280	1,051	0,020	5,60	0,00	5,60	186,683	1,877	1,92	44,171	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	4,226	44,41	2,149	95,45	0,1609	1,000	0,183	0,88	1,26
1	0,290	0,990	0,018	5,80	0,00	5,80	169,757	1,833	1,93	40,877	2,38	GRANULAR	Non Plastic	CHECK LIQUEF.	4,153	41,12	2,224	91,45	0,1511	1,000	0,183	0,82	1,19
1	0,300	0,967	0,018	6,00	0,00	6,00	160,135	1,880	1,96	39,219	2,40	GRANULAR	Non Plastic	CHECK LIQUEF.	4,083	39,46	2,307	91,04	0,1502	1,000	0,183	0,82	1,18
1	0,310	0,950	0,014	6,20	0,00	6,20	152,220	1,457	1,89	37,897	2,34	GRANULAR	Non Plastic	CHECK LIQUEF.	4,017	38,15	2,096	79,95	0,1275	1,000	0,183	0,70	1,00
1	0,320	0,926	0,014	6,40	0,00	6,40	143,748	1,539	1,92	36,360	2,37	GRANULAR	Non Plastic	CHECK LIQUEF.	3,953	36,61	2,202	80,61	0,1287	0,999	0,183	0,70	1,01
1	0,330	0,896	0,014	6,60	0,00	6,60	134,768	1,616	1,96	34,617	2,40	GRANULAR	Non Plastic	CHECK LIQUEF.	3,893	34,87	2,319	80,87	0,1292	0,999	0,183	0,70	1,02
1	0,340	0,909	0,015	6,80	0,00	6,80	132,756	1,615	1,96	34,613	2,40	GRANULAR	Non Plastic	CHECK LIQUEF.	3,835	34,87	2,319	80,86	0,1292	0,999	0,183	0,70	1,02
1	0,350	0,906	0,012	7,00	0,00	7,00	128,453	1,370	1,92	33,981	2,37	GRANULAR	Non Plastic	CHECK LIQUEF.	3,780	34,25	2,180	74,65	0,1187	0,999	0,183	0,65	0,93
1	0,360	0,923	0,012	7,20	0,00	7,20	127,197	1,271	1,90	34,125	2,35	GRANULAR	Non Plastic	CHECK LIQUEF.	3,727	34,39	2,106	72,44	0,1154	0,999	0,183	0,63	0,91
1	0,370	0,953	0,008	7,40	0,00	7,40	127,829	0,848	1,78	34,768	2,24	GRANULAR	Non Plastic	CHECK LIQUEF.	3,677	35,04	1,784	62,51	0,1027	0,999	0,183	0,56	0,81
1	0,380	0,923	0,008	7,60	0,00	7,60	120,449	0,851	1,80	33,201	2,26	GRANULAR	Non Plastic	CHECK LIQUEF.	3,628	33,48	1,835	61,43	0,1016	0,999	0,183	0,55	0,80
1	0,390	0,828	0,007	7,80	0,00	7,80	105,243	0,839	1,85	29,388	2,31	GRANULAR	Non Plastic	CHECK LIQUEF.	3,581	29,67	1,967	58,36	0,0985	0,999	0,183	0,54	0,77
1	0,400	0,788	0,005	8,00	0,00	8,00	97,534	0,623	1,79	27,583	2,27	GRANULAR	Non Plastic	CHECK LIQUEF.	3,536	27,87	1,852	51,61	0,0928	0,999	0,183	0,51	0,73
1	0,410	0,748	0,004	8,20	0,00	8,20	90,201	0,596	1,81	25,826	2,29	GRANULAR	Non Plastic	CHECK LIQUEF.	3,493	26,11	1,904	49,73	0,0914	0,999	0,183	0,50	0,72
1	0,420	0,741	0,004	8,40	0,00	8,40	87,227	0,510	1,79	25,277	2,27	GRANULAR	Non Plastic	CHECK LIQUEF.	3,451	25,57	1,843	47,13	0,0893	0,999	0,183	0,49	0,70
1	0,430	0,754	0,004	8,60	0,00	8,60	86,742	0,561	1,81	25,434	2,28	GRANULAR	Non Plastic	CHECK LIQUEF.	3,410	25,73	1,888	48,58	0,0905	0,999	0,183	0,49	0,71
1	0,440	0,758	0,004	8,80	0,00	8,80	85,131	0,558	1,82	25,250	2,28	GRANULAR	Non Plastic	CHECK LIQUEF.	3,371	25,55	1,894	48,38	0,0903	0,999	0,183	0,49	0,71
1	0,450	0,741	0,004	9,00	0,00	9,00	81,345	0,539	1,83	24,400	2,29	GRANULAR	Non Plastic	CHECK LIQUEF.	3,334	24,70	1,916	47,33	0,0894	0,999	0,183	0,49	0,70
1	0,460	0,748	0,004	9,20	0,00	9,20	80,287	0,503	1,82	24,349	2,28	GRANULAR	Non Plastic	CHECK LIQUEF.	3,297	24,65	1,881	46,36	0,0886	0,998	0,183	0,48	0,70
1	0,470	0,751	0,003	9,40	0,00	9,40	78,916	0,470	1,81	24,192	2,27	GRANULAR	Non Plastic	CHECK LIQUEF.	3,262	24,50	1,853	45,40	0,0878	0,998	0,183	0,48	0,69
1	0,480	0,754	0,003	9,60	0,00	9,60	77,602	0,347	1,75	24,041	2,22	GRANULAR	Non Plastic	CHECK LIQUEF.	3,228	24,35	1,725	42,00	0,0850	0,998	0,183	0,46	0,67
1	0,490	0,764	0,002	9,80	0,00	9,80	77,029	0,282	1,72	24,110	2,19	GRANULAR	Non Plastic	CHECK LIQUEF.	3,195	24,42	1,649	40,28	0,0836	0,998	0,183	0,46	0,66
1	0,500	0,764	0,001	10,00	0,00	10,00	75,469	0,072	1,59	23,862	2,09	GRANULAR	Non Plastic	CHECK LIQUEF.	3,163	24,18	1,443	34,90	0,0791	0,998	0,183	0,43	0,62
1	0,510	0,751	0,000	10,20	0,00	10,20	72,648	0,042	1,62	23,199	2,11	GRANULAR	Non Plastic	CHECK LIQUEF.	3,132	23,52	1,474	34,66	0,0789	0,998	0,183	0,43	0,62
1	0,520	0,738	0,000	10,40	0,00	10,40	69,936	0,019	1,70	22,551	2,17	GRANULAR	Non Plastic	CHECK LIQUEF.	3,101	22,87	1,603	36,67	0,0805	0,998	0,183	0,44	0,63
1	0,530	0,721	0,000	10,60	0,00	10,60	67,009	0,052	1,65	21,813	2,13	GRANULAR	Non Plastic	CHECK LIQUEF.	3,072	22,14	1,516	33,57	0,0780	0,998	0,183	0,43	0,61
1	0,540	0,717	0,001	10,80	0,00	10,80	65,438	0,116	1,68	21,502	2,16	GRANULAR	Non Plastic	CHECK LIQUEF.	3,043	21,83	1,566	34,20	0,0785	0,998	0,183	0,43	0,62
1	0,550	0,717	0,001																				

GU	Depth (m)	qc (MPa)	fs (MPa)	σv (kPa)	u (kPa)	σ'v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	0,640	0,694	0,001	12,80	0,00	12,80	53,215	0,090	1,75	19,036	2,20	GRANULAR	Non Plastic	CHECK LIQUEF.	2,795	19,39	1,660	32,20	0,0768	0,997	0,183	0,42	0,61
1	0,650	0,690	0,001	13,00	0,00	13,00	52,121	0,090	1,76	18,790	2,20	GRANULAR	Non Plastic	CHECK LIQUEF.	2,774	19,15	1,674	32,07	0,0767	0,997	0,183	0,42	0,60
1	0,660	0,684	0,001	13,20	0,00	13,20	50,806	0,091	1,77	18,456	2,21	GRANULAR	Non Plastic	CHECK LIQUEF.	2,753	18,82	1,694	31,89	0,0766	0,997	0,183	0,42	0,60
1	0,670	0,677	0,001	13,40	0,00	13,40	49,530	0,126	1,80	18,128	2,23	GRANULAR	Non Plastic	CHECK LIQUEF.	2,732	18,49	1,756	32,47	0,0771	0,997	0,183	0,42	0,61
1	0,680	0,670	0,001	13,60	0,00	13,60	48,292	0,127	1,82	17,806	2,24	GRANULAR	Non Plastic	CHECK LIQUEF.	2,712	18,18	1,778	32,32	0,0769	0,997	0,183	0,42	0,61
1	0,690	0,667	0,001	13,80	0,00	13,80	47,333	0,196	1,87	17,581	2,28	GRANULAR	Non Plastic	CHECK LIQUEF.	2,692	17,95	1,896	34,03	0,0783	0,997	0,183	0,43	0,62
1	0,700	0,663	0,001	14,00	0,00	14,00	46,402	0,196	1,87	17,359	2,29	GRANULAR	Non Plastic	CHECK LIQUEF.	2,673	17,73	1,913	33,92	0,0783	0,997	0,183	0,43	0,62
1	0,710	0,653	0,002	14,20	0,00	14,20	45,023	0,269	1,93	16,963	2,33	GRANULAR	Non Plastic	CHECK LIQUEF.	2,654	17,34	2,059	35,71	0,0797	0,997	0,183	0,44	0,63
1	0,720	0,653	0,014	14,40	0,00	14,40	44,383	2,239	2,41	16,840	2,74	GRANULAR	Plastic	NO LIQUEFACTION	4,279	27,95	4,285	119,77	0,2398	0,996	0,183	---	-10,00
1	0,730	0,657	0,001	14,60	0,00	14,60	43,993	0,116	1,85	16,807	2,26	GRANULAR	Non Plastic	CHECK LIQUEF.	2,618	17,19	1,834	31,52	0,0763	0,996	0,183	0,42	0,60
1	0,740	0,660	0,000	14,80	0,00	14,80	43,612	0,044	1,84	16,775	2,25	GRANULAR	Non Plastic	CHECK LIQUEF.	2,600	17,16	1,796	30,82	0,0757	0,996	0,183	0,41	0,60
1	0,750	0,667	0,002	15,00	0,00	15,00	43,466	0,288	1,95	16,832	2,34	GRANULAR	Non Plastic	CHECK LIQUEF.	2,582	17,22	2,100	36,16	0,0801	0,996	0,183	0,44	0,63
1	0,760	0,677	0,001	15,20	0,00	15,20	43,546	0,114	1,85	16,975	2,26	GRANULAR	Non Plastic	CHECK LIQUEF.	2,565	17,36	1,819	31,59	0,0763	0,996	0,183	0,42	0,60
1	0,770	0,687	0,001	15,40	0,00	15,40	43,624	0,214	1,91	17,117	2,30	GRANULAR	Non Plastic	CHECK LIQUEF.	2,549	17,51	1,959	34,31	0,0786	0,996	0,183	0,43	0,62
1	0,780	0,697	0,000	15,60	0,00	15,60	43,700	0,046	1,83	17,257	2,24	GRANULAR	Non Plastic	CHECK LIQUEF.	2,532	17,65	1,759	31,06	0,0759	0,996	0,183	0,42	0,60
1	0,790	0,862	0,000	15,80	0,00	15,80	53,581	0,038	1,75	21,295	2,15	GRANULAR	Non Plastic	CHECK LIQUEF.	2,516	21,69	1,555	33,74	0,0781	0,996	0,183	0,43	0,62
1	0,800	0,862	0,001	16,00	0,00	16,00	52,899	0,068	1,75	21,156	2,15	GRANULAR	Non Plastic	CHECK LIQUEF.	2,500	21,56	1,543	33,25	0,0777	0,996	0,183	0,43	0,61
1	0,810	0,876	0,001	16,20	0,00	16,20	53,065	0,066	1,75	21,355	2,14	GRANULAR	Non Plastic	CHECK LIQUEF.	2,485	21,76	1,534	33,37	0,0778	0,996	0,183	0,43	0,61
1	0,820	0,855	0,001	16,40	0,00	16,40	51,173	0,175	1,82	20,721	2,20	GRANULAR	Non Plastic	CHECK LIQUEF.	2,470	21,13	1,674	35,37	0,0795	0,996	0,183	0,43	0,63
1	0,830	0,835	0,001	16,60	0,00	16,60	49,327	0,152	1,82	20,094	2,20	GRANULAR	Non Plastic	CHECK LIQUEF.	2,455	20,50	1,677	34,37	0,0786	0,996	0,183	0,43	0,62
1	0,840	0,828	0,001	16,80	0,00	16,80	48,327	0,154	1,83	19,805	2,21	GRANULAR	Non Plastic	CHECK LIQUEF.	2,440	20,22	1,694	34,24	0,0785	0,996	0,183	0,43	0,62
1	0,850	0,808	0,001	16,99	0,00	16,99	46,558	0,158	1,85	19,193	2,23	GRANULAR	Non Plastic	CHECK LIQUEF.	2,426	19,61	1,734	34,00	0,0783	0,995	0,183	0,43	0,62
1	0,860	0,798	0,001	17,19	0,00	17,19	45,417	0,161	1,86	18,833	2,24	GRANULAR	Non Plastic	CHECK LIQUEF.	2,412	19,25	1,760	33,87	0,0782	0,995	0,183	0,43	0,62
1	0,870	0,778	0,001	17,39	0,00	17,39	43,722	0,195	1,90	18,235	2,27	GRANULAR	Non Plastic	CHECK LIQUEF.	2,398	18,65	1,848	34,46	0,0787	0,995	0,183	0,43	0,62
1	0,880	0,771	0,001	17,59	0,00	17,59	42,831	0,168	1,89	17,966	2,26	GRANULAR	Non Plastic	CHECK LIQUEF.	2,384	18,39	1,826	33,58	0,0780	0,995	0,183	0,43	0,62
1	0,890	0,764	0,001	17,79	0,00	17,79	41,960	0,170	1,90	17,700	2,27	GRANULAR	Non Plastic	CHECK LIQUEF.	2,371	18,12	1,848	33,49	0,0779	0,995	0,183	0,43	0,61
1	0,900	0,764	0,000	17,99	0,00	17,99	41,483	0,050	1,85	17,597	2,23	GRANULAR	Non Plastic	CHECK LIQUEF.	2,357	18,02	1,733	31,22	0,0760	0,995	0,183	0,42	0,60
1	0,910	0,768	0,001	18,19	0,00	18,19	41,201	0,111	1,87	17,574	2,24	GRANULAR	Non Plastic	CHECK LIQUEF.	2,344	18,00	1,773	31,92	0,0766	0,995	0,183	0,42	0,60
1	0,920	0,775	0,002	18,39	0,00	18,39	41,109	0,202	1,93	17,631	2,28	GRANULAR	Non Plastic	CHECK LIQUEF.	2,332	18,06	1,901	34,34	0,0786	0,995	0,183	0,43	0,62
1	0,930	0,785	0,001	18,59	0,00	18,59	41,199	0,142	1,89	17,766	2,25	GRANULAR	Non Plastic	CHECK LIQUEF.	2,319	18,20	1,802	32,79	0,0773	0,995	0,183	0,42	0,61
1	0,940	0,788	0,002	18,79	0,00	18,79	40,929	0,232	1,95	17,744	2,30	GRANULAR	Non Plastic	CHECK LIQUEF.	2,307	18,18	1,938	35,23	0,0793	0,995	0,183	0,43	0,63
1	0,950	0,808	0,002	18,99	0,00	18,99	41,552	0,256	1,96	18,109	2,30	GRANULAR	Non Plastic	CHECK LIQUEF.	2,294	18,55	1,947	36,12	0,0801	0,995	0,183	0,44	0,63
1	0,960	0,818	0,003	19,19	0,00	19,19	41,635	0,341	2,00	18,241	2,33	GRANULAR	Non Plastic	CHECK LIQUEF.	2,283	18,68	2,061	38,51	0,0821	0,995	0,183	0,45	0,65
1	0,970	0,842	0,003	19,39	0,00	19,39	42,411	0,360	2,00	18,677	2,33	GRANULAR	Non Plastic	CHECK LIQUEF.	2,271	19,12	2,055	39,29	0,0827	0,995	0,183	0,45	0,65
1	0,980	0,852	0,004	19,59	0,00	19,59	42,484	0,441	2,03	18,805	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	2,259	19,25	2,156	41,50	0,0846	0,994	0,183	0,46	0,67
1	0,990	0,889	0,004	19,79	0,00	19,79	43,916	0,450	2,03	19,538	2,35	GRANULAR	Non Plastic	CHECK LIQUEF.	2,248	19,98	2,111	42,19	0,0851	0,994	0,182	0,47	0,67
1	1,000	0,913	0,006	19,99	0,00	19,99	44,646	0,719	2,11	19,963	2,42	GRANULAR	Non Plastic	CHECK LIQUEF.	2,236	20,41	2,406	49,11	0,0909	0,994	0,182	0,50	0,72
1	1,010	0,953	0,007	20,19	0,00	20,19	46,195	0,763	2,12	20,759	2,42	GRANULAR	Non Plastic	CHECK LIQUEF.	2,225	21,21	2,390	50,70	0,0921	0,994	0,182	0,50	0,73
1	1,020	0,980	0,010	20,39	0,00	20,39	47,053	1,051	2,18	21,249	2,48	GRANULAR	Non Plastic	CHECK LIQUEF.	2,214	21,70	2,652	57,54	0,0977	0,994	0,182	0,54	0,77
1	1,030	1,037	0,012	20,59	0,00	20,59	49,367	1,171	2,19	22,403	2,48	GRANULAR	Non Plastic	CHECK LIQUEF.	2,204	22,86	2,673	61,09	0,1012	0,994	0,182	0,55	0,80
1	1,040	1,068	0,014	20,79	0,00	20,79	50,340	1,356	2,23	22,955	2,51	GRANULAR	Non Plastic	CHECK LIQUEF.	2,193	23,41	2,796	65,46	0,1061	0,994	0,182	0,58	0,84
1	1,050	1,142	0,017	20,99	0,00	20,99	53,380	1,510	2,23	24,458	2,51	GRANULAR	Non Plastic	CHECK LIQUEF.	2,183	24,92	2,809	69,99	0,1119	0,994	0,182	0,61	0,88
1	1,060	1,169	0,022	21,19	0,00	21,19	54,138	1,890	2,29	24,923	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	2,172	25,38	3,074	78,02	0,1242	0,994	0,182	0,68	0,98
1	1,070	1,219	0,024	21,39	0,00	21,39	55,984	2,019	2,30	25,895	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	2,162	26,36	3,094	81,54	0,1304	0,994	0,182	0,72	1,03
1	1,080	1,260	0,029	21,59	0,00	21,59	57,328	2,356	2,34	26,640	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	2,152	27,10	3,274	88,73	0,1450	0,994	0,182	0,79	1,15
1	1,090	1,320	0,031	21,79	0,00	21,79	59,575	2,386	2,33	27,812	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	2,142	28,28	3,207	90,68	0,1493	0,994	0,182	0,82	1,18
1	1,100	1,357	0,037	21,99	0,00	21,99	60,708	2,795	2,37	28,470	2,62	GRANULAR	Plastic	NO LIQUEFACTION	3,114	42,26	3,422	144,59	0,3611	0,994	0,182	---	-10,00
1	1,110	1,425	0,038	22,19	0,00	22,19	63,187	2,743	2,35	29,767	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	2,123	30,24	3,297	99,71	0,1722	0,993	0,182	0,94	1,36
1	1,120	1,441	0,044	22,39	0,00	22,39	63,366	3,126	2,39	29,986	2,63	GRANULAR	Plastic	NO LIQUEFACTION	3,072	44,28	3,511	155,47	0,4295	0,993	0,182	---	-10,00
1	1,130	1,485	0,046	22,59	0,00	22,59	64,734	3,141	2,39	30,770	2,62	GRANULAR	Plastic	NO LIQUEFACTION	3,052	45,32	3,466	157,07	0,4404	0,993	0,182	---	-10,00
1	1,140	1,505	0,052	22,79	0,00	22,79	65,044	3,480	2,42	31,053	2,65	GRANULAR	Plastic	NO LIQUEFACTION	3,031	45,63	3,638	166,02	---	0,993	0,182	---	-10,00
1	1,150	1,522	0,056	22,99	0,00	22,99	65,202	3,729	2,44	31,265	2,67	GRANULAR	Plastic	NO LIQUEFACTION	3,012	45,84	3,759	172,32	---	0,993	0,182	---	-10,00
1	1,160	1,559	0,058	23,19	0,00																		

GU	Depth (m)	qc (MPa)	fs (MPa)	σ_v (kPa)	u (kPa)	σ'_v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	1,270	1,670	0,075	25,39	0,00	25,39	64,783	4,554	2,51	32,644	2,71	GRANULAR	Plastic	NO LIQUEFACTION	2,796	46,70	4,085	190,73	---	0,992	0,182	---	-10,00
1	1,280	1,660	0,075	25,59	0,00	25,59	63,874	4,570	2,51	32,313	2,72	GRANULAR	Plastic	NO LIQUEFACTION	2,779	46,14	4,116	189,91	---	0,992	0,182	---	-10,00
1	1,290	1,657	0,075	25,79	0,00	25,79	63,240	4,593	2,52	32,117	2,72	GRANULAR	Plastic	NO LIQUEFACTION	2,763	45,78	4,142	189,61	---	0,992	0,182	---	-10,00
1	1,300	1,677	0,075	25,99	0,00	25,99	63,524	4,565	2,51	32,386	2,72	GRANULAR	Plastic	NO LIQUEFACTION	2,747	46,07	4,108	189,27	---	0,992	0,182	---	-10,00
1	1,310	1,691	0,077	26,19	0,00	26,19	63,546	4,636	2,52	32,521	2,72	GRANULAR	Plastic	NO LIQUEFACTION	2,731	46,18	4,133	190,86	---	0,992	0,182	---	-10,00
1	1,320	1,687	0,078	26,39	0,00	26,39	62,929	4,686	2,52	32,329	2,72	GRANULAR	Plastic	NO LIQUEFACTION	2,716	45,82	4,172	191,15	---	0,992	0,182	---	-10,00
1	1,330	1,707	0,078	26,59	0,00	26,59	63,208	4,669	2,52	32,595	2,72	GRANULAR	Plastic	NO LIQUEFACTION	2,700	46,11	4,144	191,08	---	0,992	0,182	---	-10,00
1	1,340	1,751	0,076	26,79	0,00	26,79	64,363	4,407	2,50	33,315	2,70	GRANULAR	Plastic	NO LIQUEFACTION	2,685	47,03	3,965	186,47	---	0,992	0,182	---	-10,00
1	1,350	1,768	0,075	26,99	0,00	26,99	64,503	4,312	2,49	33,511	2,69	GRANULAR	Plastic	NO LIQUEFACTION	2,670	47,21	3,905	184,37	---	0,992	0,182	---	-10,00
1	1,360	1,761	0,073	27,19	0,00	27,19	63,773	4,237	2,49	33,255	2,68	GRANULAR	Plastic	NO LIQUEFACTION	2,656	46,77	3,885	181,72	---	0,991	0,182	---	-10,00
1	1,370	1,755	0,073	27,39	0,00	27,39	63,055	4,199	2,49	33,001	2,68	GRANULAR	Plastic	NO LIQUEFACTION	2,641	46,34	3,883	179,96	---	0,991	0,182	---	-10,00
1	1,380	1,721	0,073	27,59	0,00	27,59	61,370	4,309	2,50	32,236	2,70	GRANULAR	Plastic	NO LIQUEFACTION	2,627	45,20	3,992	180,44	---	0,991	0,182	---	-10,00
1	1,390	1,694	0,070	27,79	0,00	27,79	59,952	4,189	2,50	31,605	2,70	GRANULAR	Plastic	NO LIQUEFACTION	2,613	44,26	3,976	175,97	---	0,991	0,182	---	-10,00
1	1,400	1,633	0,069	27,99	0,00	27,99	57,351	4,319	2,52	30,343	2,72	GRANULAR	Plastic	NO LIQUEFACTION	2,599	42,44	4,139	175,65	---	0,991	0,182	---	-10,00
1	1,410	1,620	0,067	28,19	0,00	28,19	56,459	4,228	2,52	29,977	2,72	GRANULAR	Plastic	NO LIQUEFACTION	2,585	41,87	4,120	172,51	---	0,991	0,182	---	-10,00
1	1,420	1,576	0,067	28,39	0,00	28,39	54,513	4,348	2,54	29,046	2,74	GRANULAR	Plastic	NO LIQUEFACTION	2,571	40,52	4,259	172,58	---	0,991	0,182	---	-10,00
1	1,430	1,546	0,066	28,59	0,00	28,59	53,064	4,344	2,55	28,374	2,74	GRANULAR	Plastic	NO LIQUEFACTION	2,558	39,53	4,315	170,59	---	0,991	0,182	---	-10,00
1	1,440	1,468	0,066	28,79	0,00	28,79	49,999	4,562	2,58	26,828	2,77	GRANULAR	Plastic	NO LIQUEFACTION	2,544	37,36	4,573	170,83	---	0,991	0,182	---	-10,00
1	1,450	1,431	0,065	28,99	0,00	28,99	48,369	4,601	2,59	26,044	2,79	GRANULAR	Plastic	NO LIQUEFACTION	2,531	36,23	4,671	169,23	---	0,991	0,182	---	-10,00
1	1,460	1,425	0,063	29,19	0,00	29,19	47,800	4,541	2,59	25,826	2,79	GRANULAR	Plastic	NO LIQUEFACTION	2,518	35,87	4,662	167,24	---	0,991	0,182	---	-10,00
1	1,470	1,411	0,060	29,39	0,00	29,39	47,010	4,340	2,59	25,486	2,78	GRANULAR	Plastic	NO LIQUEFACTION	2,505	35,35	4,588	162,19	---	0,991	0,182	---	-10,00
1	1,480	1,398	0,057	29,59	0,00	29,59	46,230	4,168	2,58	25,148	2,77	GRANULAR	Plastic	NO LIQUEFACTION	2,492	34,83	4,528	157,74	0,4450	0,991	0,182	---	-10,00
1	1,490	1,377	0,053	29,79	0,00	29,79	45,235	3,929	2,57	24,690	2,76	GRANULAR	Plastic	NO LIQUEFACTION	2,480	34,16	4,440	151,65	0,4043	0,990	0,182	---	-10,00
1	1,500	1,327	0,051	29,99	0,00	29,99	43,243	3,925	2,58	23,681	2,77	GRANULAR	Plastic	NO LIQUEFACTION	2,468	32,74	4,548	148,89	0,3870	0,990	0,182	---	-10,00
1	1,510	1,300	0,046	30,19	0,10	30,10	42,190	3,652	2,57	23,145	2,76	GRANULAR	Plastic	NO LIQUEFACTION	2,461	31,99	4,444	142,18	0,3473	0,990	0,182	---	-10,00
1	1,520	1,226	0,044	30,39	0,20	30,20	39,590	3,652	2,59	21,755	2,78	GRANULAR	Plastic	NO LIQUEFACTION	2,455	30,09	4,611	138,77	0,3285	0,990	0,183	---	-10,00
1	1,530	1,196	0,039	30,59	0,30	30,30	38,453	3,320	2,57	21,165	2,76	GRANULAR	Plastic	NO LIQUEFACTION	2,449	29,28	4,472	130,93	0,2887	0,990	0,184	---	-10,00
1	1,540	1,158	0,036	30,79	0,40	30,40	37,101	3,208	2,57	20,454	2,76	GRANULAR	Plastic	NO LIQUEFACTION	2,443	28,30	4,490	127,07	0,2708	0,990	0,184	---	-10,00
1	1,550	1,162	0,032	30,99	0,50	30,50	37,083	2,799	2,53	20,478	2,73	GRANULAR	Plastic	NO LIQUEFACTION	2,437	28,31	4,200	118,92	0,2364	0,990	0,185	---	-10,00
1	1,560	1,132	0,030	31,19	0,60	30,60	35,965	2,732	2,53	19,893	2,73	GRANULAR	Plastic	NO LIQUEFACTION	2,431	27,51	4,228	116,29	0,2263	0,990	0,185	---	-10,00
1	1,570	1,121	0,026	31,39	0,70	30,70	35,512	2,426	2,50	19,675	2,70	GRANULAR	Plastic	NO LIQUEFACTION	2,425	27,19	4,024	109,44	0,2019	0,990	0,186	---	-10,00
1	1,580	1,094	0,025	31,59	0,80	30,80	34,515	2,317	2,50	19,154	2,70	GRANULAR	Plastic	NO LIQUEFACTION	2,419	26,48	4,007	106,10	0,1911	0,990	0,186	---	-10,00
1	1,590	1,081	0,020	31,79	0,90	30,90	33,961	1,896	2,45	18,877	2,66	GRANULAR	Plastic	NO LIQUEFACTION	2,413	26,09	3,692	96,30	0,1631	0,990	0,187	---	-10,00
1	1,600	1,061	0,018	31,99	1,00	31,00	33,193	1,783	2,44	18,480	2,65	GRANULAR	Plastic	NO LIQUEFACTION	2,407	25,54	3,642	93,00	0,1548	0,990	0,187	---	-10,00
1	1,609	1,051	0,014	32,19	1,09	31,09	32,755	1,386	2,38	18,265	2,59	GRANULAR	Non Plastic	CHECK LIQUEF.	1,793	18,84	3,293	62,05	0,1022	0,990	0,188	0,54	0,78
1	1,619	1,034	0,013	32,39	1,19	31,19	32,104	1,275	2,37	17,931	2,58	GRANULAR	Non Plastic	CHECK LIQUEF.	1,790	18,51	3,221	59,63	0,0997	0,990	0,189	0,53	0,76
1	1,629	1,024	0,010	32,59	1,29	31,29	31,672	0,997	2,32	17,718	2,53	GRANULAR	Non Plastic	CHECK LIQUEF.	1,788	18,30	2,946	53,92	0,0946	0,989	0,189	0,50	0,72
1	1,639	1,007	0,009	32,79	1,39	31,39	31,029	0,878	2,30	17,386	2,52	GRANULAR	Non Plastic	CHECK LIQUEF.	1,785	17,97	2,846	51,14	0,0924	0,989	0,190	0,49	0,70
1	1,649	1,000	0,009	32,99	1,49	31,49	30,710	0,910	2,31	17,235	2,53	GRANULAR	Non Plastic	CHECK LIQUEF.	1,782	17,82	2,902	51,72	0,0929	0,989	0,190	0,49	0,70
1	1,659	1,027	0,007	33,19	1,59	31,59	31,459	0,686	2,24	17,683	2,46	GRANULAR	Non Plastic	CHECK LIQUEF.	1,779	18,27	2,578	47,10	0,0892	0,989	0,191	0,47	0,67
1	1,669	1,081	0,005	33,39	1,69	31,69	33,054	0,431	2,13	18,609	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	1,776	19,20	2,158	41,45	0,0845	0,989	0,191	0,44	0,64
1	1,679	1,246	0,004	33,59	1,79	31,79	38,134	0,335	2,03	21,502	2,26	GRANULAR	Non Plastic	CHECK LIQUEF.	1,773	22,10	1,838	40,61	0,0838	0,989	0,192	0,44	0,63
1	1,689	1,263	0,001	33,79	1,89	31,89	38,536	0,108	1,90	21,763	2,15	GRANULAR	Non Plastic	CHECK LIQUEF.	1,771	22,36	1,547	34,59	0,0788	0,989	0,192	0,41	0,59
1	1,699	1,384	0,001	33,99	1,99	31,99	42,199	0,080	1,85	23,869	2,10	GRANULAR	Non Plastic	CHECK LIQUEF.	1,768	24,47	1,447	35,41	0,0795	0,989	0,193	0,41	0,59
1	1,709	1,435	0,002	34,19	2,09	32,09	43,635	0,109	1,85	24,720	2,09	GRANULAR	Non Plastic	CHECK LIQUEF.	1,765	25,32	1,442	36,52	0,0804	0,989	0,193	0,42	0,60
1	1,719	1,495	0,001	34,39	2,19	32,19	45,376	0,073	1,82	25,746	2,06	GRANULAR	Non Plastic	CHECK LIQUEF.	1,762	26,35	1,388	36,58	0,0805	0,989	0,194	0,42	0,60
1	1,729	1,600	0,000	34,59	2,29	32,29	48,462	0,022	1,84	27,540	2,07	GRANULAR	Non Plastic	CHECK LIQUEF.	1,760	28,15	1,411	39,72	0,0831	0,989	0,194	0,43	0,62
1	1,739	1,515	0,031	34,79	2,39	32,39	45,707	2,087	2,38	26,015	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,757	26,63	3,134	83,43	0,1340	0,989	0,195	0,69	0,99
1	1,749	1,509	0,001	34,99	2,49	32,49	45,353	0,046	1,82	25,853	2,06	GRANULAR	Non Plastic	CHECK LIQUEF.	1,754	26,47	1,388	36,74	0,0806	0,989	0,195	0,41	0,59
1	1,759	1,441	0,002	35,19	2,59	32,59	43,142	0,161	1,88	24,630	2,12	GRANULAR	Non Plastic	CHECK LIQUEF.	1,752	25,25	1,495	37,75	0,0814	0,988	0,196	0,42	0,60
1	1,769	1,408	0,003	35,39	2,69	32,69	41,974	0,249	1,95	24,000	2,18	GRANULAR	Non Plastic	CHECK LIQUEF.	1,749	24,62	1,617	39,80	0,0832	0,988	0,196	0,42	0,61
1	1,779	1,398	0,003	35,59	2,79	32,79	41,531	0,234	1,94	23,784	2,18	GRANULAR	Non Plastic	CHECK LIQUEF.	1,746	24,41	1,608	39,25	0,0827	0,988	0,197	0,42	0,61
1	1,789	1,364	0,004	35,79	2,89	32,89	40,375	0,291	1,99	23,157	2,21	GRANULAR	Non Plastic	CHECK LIQUEF.	1,744	23,78	1,700	40,44	0,0837				

GU	Depth (m)	qc (MPa)	fs (MPa)	σv (kPa)	u (kPa)	σ'v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	1,899	1,731	0,008	37,99	3,99	33,99	49,803	0,465	1,98	29,037	2,19	GRANULAR	Non Plastic	CHECK LIQUEF.	1,715	29,69	1,653	49,08	0,0909	0,987	0,203	0,45	0,65
1	1,909	1,731	0,008	38,19	4,09	34,09	49,651	0,463	1,98	28,991	2,19	GRANULAR	Non Plastic	CHECK LIQUEF.	1,713	29,65	1,653	49,02	0,0908	0,987	0,203	0,45	0,65
1	1,919	1,852	0,007	38,39	4,19	34,19	53,046	0,397	1,93	31,019	2,14	GRANULAR	Non Plastic	CHECK LIQUEF.	1,710	31,68	1,534	48,58	0,0905	0,987	0,203	0,44	0,64
1	1,929	1,751	0,006	38,59	4,29	34,29	49,939	0,368	1,94	29,245	2,15	GRANULAR	Non Plastic	CHECK LIQUEF.	1,708	29,90	1,558	46,60	0,0888	0,987	0,204	0,44	0,63
1	1,939	1,650	0,003	38,79	4,39	34,39	46,851	0,208	1,88	27,476	2,10	GRANULAR	Non Plastic	CHECK LIQUEF.	1,705	28,14	1,457	41,00	0,0842	0,987	0,204	0,41	0,59
1	1,949	1,579	0,005	38,99	4,49	34,49	44,659	0,354	1,98	26,229	2,19	GRANULAR	Non Plastic	CHECK LIQUEF.	1,703	26,89	1,645	44,23	0,0868	0,987	0,205	0,42	0,61
1	1,959	1,468	0,007	39,19	4,59	34,59	41,312	0,481	2,06	24,298	2,27	GRANULAR	Non Plastic	CHECK LIQUEF.	1,700	24,96	1,860	46,43	0,0887	0,987	0,205	0,43	0,62
1	1,969	1,421	0,008	39,39	4,69	34,69	39,828	0,569	2,11	23,459	2,32	GRANULAR	Non Plastic	CHECK LIQUEF.	1,698	24,13	1,999	48,22	0,0902	0,987	0,206	0,44	0,63
1	1,979	1,367	0,009	39,59	4,79	34,79	38,159	0,682	2,16	22,509	2,37	GRANULAR	Non Plastic	CHECK LIQUEF.	1,695	23,18	2,177	50,45	0,0919	0,987	0,206	0,45	0,64
1	1,989	1,425	0,014	39,79	4,89	34,89	39,685	1,006	2,24	23,442	2,43	GRANULAR	Non Plastic	CHECK LIQUEF.	1,693	24,12	2,439	58,82	0,0989	0,987	0,206	0,48	0,69
1	1,999	1,458	0,015	39,99	4,99	34,99	40,528	1,083	2,25	23,974	2,44	GRANULAR	Non Plastic	CHECK LIQUEF.	1,690	24,65	2,474	60,98	0,1011	0,987	0,207	0,49	0,70
1	2,009	1,445	0,018	40,19	5,09	35,09	40,023	1,294	2,29	23,710	2,48	GRANULAR	Non Plastic	CHECK LIQUEF.	1,688	24,39	2,682	65,41	0,1060	0,987	0,207	0,51	0,74
1	2,019	1,596	0,019	40,39	5,19	35,19	44,210	1,215	2,24	26,227	2,43	GRANULAR	Non Plastic	CHECK LIQUEF.	1,686	26,91	2,443	65,73	0,1064	0,987	0,208	0,51	0,74
1	2,029	1,718	0,020	40,59	5,29	35,29	47,514	1,212	2,22	28,227	2,40	GRANULAR	Non Plastic	CHECK LIQUEF.	1,683	28,91	2,327	67,27	0,1083	0,986	0,208	0,52	0,75
1	2,039	1,926	0,022	40,79	5,39	35,39	53,273	1,176	2,17	31,694	2,35	GRANULAR	Non Plastic	CHECK LIQUEF.	1,681	32,38	2,135	69,12	0,1107	0,986	0,209	0,53	0,77
1	2,049	2,058	0,025	40,99	5,49	35,49	56,818	1,250	2,16	33,850	2,35	GRANULAR	Non Plastic	CHECK LIQUEF.	1,679	34,54	2,102	72,60	0,1156	0,986	0,209	0,55	0,80
1	2,059	2,351	0,026	41,19	5,59	35,59	64,884	1,115	2,09	38,710	2,27	GRANULAR	Non Plastic	CHECK LIQUEF.	1,676	39,40	1,853	73,01	0,1162	0,986	0,209	0,55	0,80
1	2,069	2,509	0,025	41,39	5,69	35,69	69,131	0,994	2,03	41,302	2,22	GRANULAR	Non Plastic	CHECK LIQUEF.	1,674	41,99	1,712	71,90	0,1146	0,986	0,210	0,55	0,79
1	2,079	2,738	0,022	41,59	5,79	35,79	75,331	0,828	1,96	45,069	2,14	GRANULAR	Non Plastic	CHECK LIQUEF.	1,671	45,76	1,539	70,42	0,1125	0,986	0,210	0,53	0,77
1	2,089	2,832	0,022	41,79	5,89	35,89	77,742	0,790	1,93	46,576	2,12	GRANULAR	Non Plastic	CHECK LIQUEF.	1,669	47,27	1,493	70,58	0,1127	0,986	0,211	0,53	0,77
1	2,099	2,997	0,022	41,99	5,99	35,99	82,106	0,757	1,90	49,259	2,09	GRANULAR	Non Plastic	CHECK LIQUEF.	1,667	49,96	1,437	71,77	0,1144	0,986	0,211	0,54	0,78
1	2,109	3,071	0,026	42,19	6,09	36,09	83,925	0,863	1,93	50,420	2,11	GRANULAR	Non Plastic	CHECK LIQUEF.	1,665	51,12	1,477	75,50	0,1200	0,986	0,211	0,57	0,82
1	2,119	3,304	0,026	42,39	6,19	36,19	90,108	0,805	1,89	54,210	2,07	GRANULAR	Non Plastic	CHECK LIQUEF.	1,662	54,91	1,401	76,96	0,1224	0,986	0,212	0,58	0,83
1	2,129	3,475	0,034	42,59	6,29	36,29	94,587	0,995	1,93	56,983	2,10	GRANULAR	Non Plastic	CHECK LIQUEF.	1,660	57,69	1,460	84,22	0,1356	0,986	0,212	0,64	0,92
1	2,139	3,802	0,037	42,79	6,39	36,39	103,298	0,990	1,90	62,316	2,07	GRANULAR	Non Plastic	CHECK LIQUEF.	1,658	63,03	1,403	88,41	0,1443	0,986	0,213	0,68	0,98
1	2,149	3,950	0,042	42,99	6,49	36,49	107,070	1,073	1,91	64,680	2,08	GRANULAR	Non Plastic	CHECK LIQUEF.	1,655	65,39	1,416	92,58	0,1538	0,986	0,213	0,72	1,04
1	2,159	4,341	0,045	43,19	6,59	36,59	117,447	1,056	1,87	71,046	2,04	GRANULAR	Non Plastic	CHECK LIQUEF.	1,653	71,76	1,358	97,43	0,1660	0,985	0,213	0,78	1,12
1	2,169	4,523	0,050	43,39	6,69	36,69	122,078	1,118	1,88	73,948	2,04	GRANULAR	Non Plastic	CHECK LIQUEF.	1,651	74,66	1,360	101,52	0,1773	0,985	0,214	0,83	1,20
1	2,179	4,900	0,052	43,59	6,79	36,79	131,992	1,069	1,84	80,063	2,00	GRANULAR	Non Plastic	CHECK LIQUEF.	1,649	80,78	1,305	105,38	0,1888	0,985	0,214	0,88	1,27
1	2,189	5,146	0,054	43,79	6,89	36,89	138,293	1,067	1,82	83,998	1,99	GRANULAR	Non Plastic	CHECK LIQUEF.	1,646	84,72	1,283	108,70	0,1995	0,985	0,215	0,93	1,34
1	2,199	5,627	0,056	43,99	6,99	36,99	150,932	0,995	1,78	91,799	1,94	GRANULAR	Non Plastic	CHECK LIQUEF.	1,644	92,52	1,227	113,49	0,2159	0,985	0,215	1,00	1,45
1	2,209	5,860	0,061	44,19	7,09	37,09	156,784	1,049	1,78	95,488	1,94	GRANULAR	Non Plastic	CHECK LIQUEF.	1,642	96,21	1,228	118,14	0,2333	0,985	0,215	1,08	1,56
1	2,219	6,291	0,063	44,39	7,19	37,19	167,948	1,017	1,75	102,424	1,91	GRANULAR	Non Plastic	CHECK LIQUEF.	1,640	103,15	1,195	123,31	0,2544	0,985	0,216	1,18	1,70
1	2,229	6,500	0,072	44,59	7,29	37,29	173,091	1,110	1,77	105,703	1,92	GRANULAR	Non Plastic	CHECK LIQUEF.	1,638	106,43	1,210	128,74	0,2784	0,985	0,216	1,29	1,86
1	2,239	6,806	0,074	44,79	7,39	37,39	180,818	1,093	1,75	110,570	1,90	GRANULAR	Non Plastic	CHECK LIQUEF.	1,635	111,30	1,191	132,55	0,2966	0,985	0,216	1,37	1,98
1	2,249	6,884	0,075	44,99	7,49	37,49	182,397	1,097	1,75	111,684	1,90	GRANULAR	Non Plastic	CHECK LIQUEF.	1,633	112,42	1,189	133,66	0,3021	0,985	0,217	1,39	2,01
1	2,259	7,001	0,085	45,19	7,59	37,59	185,042	1,215	1,77	113,455	1,92	GRANULAR	Non Plastic	CHECK LIQUEF.	1,631	114,19	1,213	138,54	0,3273	0,985	0,217	1,51	2,17
1	2,269	7,012	0,079	45,39	7,69	37,69	184,814	1,131	1,75	113,465	1,90	GRANULAR	Non Plastic	CHECK LIQUEF.	1,629	114,20	1,192	136,18	0,3148	0,985	0,218	1,45	2,09
1	2,279	7,008	0,093	45,59	7,79	37,79	184,231	1,334	1,81	113,257	1,95	GRANULAR	Non Plastic	CHECK LIQUEF.	1,627	114,00	1,243	141,72	0,3447	0,985	0,218	1,58	2,28
1	2,289	7,038	0,084	45,79	7,89	37,89	184,539	1,205	1,77	113,597	1,92	GRANULAR	Non Plastic	CHECK LIQUEF.	1,625	114,34	1,210	138,36	0,3264	0,985	0,218	1,49	2,16
1	2,299	7,025	0,092	45,99	7,99	37,99	183,694	1,317	1,80	113,225	1,95	GRANULAR	Non Plastic	CHECK LIQUEF.	1,622	113,97	1,239	141,23	0,3420	0,984	0,219	1,56	2,25
1	2,309	7,028	0,088	46,18	8,09	38,09	183,295	1,266	1,79	113,128	1,94	GRANULAR	Non Plastic	CHECK LIQUEF.	1,620	113,88	1,227	139,68	0,3335	0,984	0,219	1,52	2,20
1	2,319	7,072	0,098	46,38	8,19	38,19	183,956	1,394	1,82	113,685	1,96	GRANULAR	Non Plastic	CHECK LIQUEF.	1,618	114,44	1,257	143,82	0,3567	0,984	0,219	1,63	2,34
1	2,329	7,119	0,098	46,58	8,29	38,29	184,702	1,379	1,82	114,295	1,96	GRANULAR	Non Plastic	CHECK LIQUEF.	1,616	115,05	1,251	143,94	0,3574	0,984	0,220	1,63	2,34
1	2,339	7,355	0,099	46,78	8,39	38,39	190,356	1,350	1,80	117,948	1,94	GRANULAR	Non Plastic	CHECK LIQUEF.	1,614	118,70	1,233	146,38	0,3717	0,984	0,220	1,69	2,44
1	2,349	7,517	0,096	46,98	8,49	38,49	194,056	1,292	1,78	120,397	1,92	GRANULAR	Non Plastic	CHECK LIQUEF.	1,612	121,15	1,212	146,89	0,3748	0,984	0,220	1,70	2,45
1	2,359	7,924	0,097	47,18	8,59	38,59	204,107	1,226	1,75	126,797	1,89	GRANULAR	Non Plastic	CHECK LIQUEF.	1,610	127,56	1,182	150,73	0,3985	0,984	0,221	1,80	2,60
1	2,369	7,971	0,101	47,38	8,69	38,69	204,793	1,276	1,76	127,388	1,90	GRANULAR	Non Plastic	CHECK LIQUEF.	1,608	128,15	1,192	152,70	0,4111	0,984	0,221	1,86	2,68
1	2,379	8,116	0,107	47,58	8,79	38,79	207,993	1,330	1,77	129,545	1,91	GRANULAR	Non Plastic	CHECK LIQUEF.	1,606	130,31	1,199	156,20	0,4344	0,984	0,221	1,96	2,83
1	2,389	8,170	0,110	47,78	8,89	38,89	208,839	1,355	1,78	130,240	1,91	GRANULAR	Non Plastic	CHECK LIQUEF.	1,603	131,01	1,203	157,55	0,4437	0,984	0,222	2,00	2,88
1	2,399	8,278	0,119	47,98	8,99	38,99	211,062	1,445	1,79	131,795	1,93	GRANULAR	Non Plastic	CHECK LIQUEF.	1,601	132,56	1,219	161,60	---	0,984	0,222		
1	2,409	8,369	0,123	48,18	9,09	39,09	212,843	1,479	1,80	133,078	1,93	GRANULAR	Non Plastic	CHECK LIQUEF.	1,599	133,85	1,223	163,75	---	0,984			

GU	Depth (m)	qc (MPa)	fs (MPa)	σ_v (kPa)	u (kPa)	σ'_v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	2,529	9,298	0,152	50,58	10,29	40,29	229,516	1,648	1,82	145,687	1,94	GRANULAR	Non Plastic	CHECK LIQUEF.	1,575	146,48	1,231	180,37	---	0,983	0,226		
1	2,539	9,312	0,157	50,78	10,39	40,39	229,276	1,697	1,83	145,715	1,95	GRANULAR	Non Plastic	CHECK LIQUEF.	1,573	146,51	1,241	181,90	---	0,983	0,227		
1	2,549	9,359	0,154	50,98	10,49	40,49	229,870	1,651	1,82	146,273	1,94	GRANULAR	Non Plastic	CHECK LIQUEF.	1,572	147,07	1,231	181,01	---	0,983	0,227		
1	2,559	9,392	0,156	51,18	10,59	40,59	230,129	1,669	1,82	146,618	1,94	GRANULAR	Non Plastic	CHECK LIQUEF.	1,570	147,42	1,234	181,88	---	0,983	0,227		
1	2,569	9,423	0,146	51,38	10,69	40,69	230,303	1,555	1,79	146,910	1,92	GRANULAR	Non Plastic	CHECK LIQUEF.	1,568	147,72	1,209	178,63	---	0,983	0,228		
1	2,579	9,396	0,156	51,58	10,79	40,79	229,073	1,664	1,82	146,305	1,94	GRANULAR	Non Plastic	CHECK LIQUEF.	1,566	147,11	1,233	181,45	---	0,982	0,228		
1	2,589	9,335	0,135	51,78	10,89	40,89	227,026	1,457	1,78	145,175	1,90	GRANULAR	Non Plastic	CHECK LIQUEF.	1,564	145,98	1,193	174,11	---	0,982	0,228		
1	2,599	9,278	0,137	51,98	10,99	40,99	225,071	1,482	1,78	144,101	1,91	GRANULAR	Non Plastic	CHECK LIQUEF.	1,562	144,91	1,200	173,88	---	0,982	0,229		
1	2,609	9,184	0,131	52,18	11,09	41,09	222,224	1,432	1,78	142,451	1,90	GRANULAR	Non Plastic	CHECK LIQUEF.	1,560	143,27	1,193	170,88	---	0,982	0,229		
1	2,619	9,120	0,130	52,38	11,19	41,19	220,126	1,435	1,78	141,278	1,91	GRANULAR	Non Plastic	CHECK LIQUEF.	1,558	142,09	1,196	169,92	---	0,982	0,229		
1	2,629	9,035	0,130	52,58	11,29	41,29	217,550	1,448	1,79	139,794	1,91	GRANULAR	Non Plastic	CHECK LIQUEF.	1,556	140,61	1,202	168,96	---	0,982	0,230		
1	2,639	8,874	0,130	52,78	11,39	41,39	213,114	1,473	1,80	137,109	1,92	GRANULAR	Non Plastic	CHECK LIQUEF.	1,554	137,93	1,213	167,28	---	0,982	0,230		
1	2,649	8,618	0,142	52,98	11,49	41,49	206,427	1,662	1,85	132,967	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,552	133,79	1,265	169,23	---	0,982	0,230		
1	2,659	8,365	0,152	53,18	11,59	41,59	199,853	1,823	1,89	128,888	2,01	GRANULAR	Non Plastic	CHECK LIQUEF.	1,551	129,71	1,314	170,44	---	0,982	0,230		
1	2,669	8,002	0,168	53,38	11,69	41,69	190,645	2,113	1,95	123,097	2,07	GRANULAR	Non Plastic	CHECK LIQUEF.	1,549	123,92	1,405	174,12	---	0,982	0,231		
1	2,679	7,294	0,170	53,58	11,79	41,79	173,262	2,344	2,01	112,007	2,13	GRANULAR	Non Plastic	CHECK LIQUEF.	1,547	112,84	1,516	171,08	---	0,982	0,231		
1	2,689	6,934	0,177	53,78	11,89	41,89	164,242	2,577	2,06	106,303	2,18	GRANULAR	Non Plastic	CHECK LIQUEF.	1,545	107,13	1,615	173,01	---	0,982	0,231		
1	2,699	6,264	0,179	53,98	11,99	41,99	147,886	2,881	2,12	95,831	2,24	GRANULAR	Non Plastic	CHECK LIQUEF.	1,543	96,66	1,782	172,27	---	0,982	0,232		
1	2,709	5,978	0,195	54,18	12,09	42,09	140,730	3,299	2,18	91,302	2,30	GRANULAR	Non Plastic	CHECK LIQUEF.	1,541	92,14	1,956	180,24	---	0,982	0,232		
1	2,719	5,536	0,200	54,38	12,19	42,19	129,935	3,647	2,24	84,399	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	1,540	85,24	2,147	183,04	---	0,981	0,232		
1	2,729	5,355	0,195	54,58	12,29	42,29	125,323	3,670	2,25	81,499	2,37	GRANULAR	Non Plastic	CHECK LIQUEF.	1,538	82,34	2,193	180,53	---	0,981	0,232		
1	2,739	5,052	0,025	54,78	12,39	42,39	117,873	0,509	1,68	76,745	1,84	GRANULAR	Non Plastic	CHECK LIQUEF.	1,536	77,59	1,134	87,97	0,1433	0,981	0,233		
1	2,749	4,961	0,172	54,98	12,49	42,49	115,451	3,496	2,26	75,257	2,38	GRANULAR	Non Plastic	CHECK LIQUEF.	1,534	76,10	2,220	168,96	---	0,981	0,233		
1	2,759	4,853	0,172	55,18	12,59	42,59	112,645	3,584	2,27	73,514	2,39	GRANULAR	Non Plastic	CHECK LIQUEF.	1,532	74,36	2,279	169,44	---	0,981	0,233		
1	2,769	4,876	0,177	55,38	12,69	42,69	112,929	3,674	2,28	73,786	2,40	GRANULAR	Non Plastic	CHECK LIQUEF.	1,530	74,63	2,307	172,15	---	0,981	0,234		
1	2,779	4,887	0,181	55,58	12,79	42,79	112,897	3,741	2,29	73,851	2,40	GRANULAR	Non Plastic	CHECK LIQUEF.	1,529	74,70	2,330	174,02	---	0,981	0,234		
1	2,789	4,856	0,190	55,78	12,89	42,89	111,922	3,968	2,31	73,299	2,43	GRANULAR	Non Plastic	CHECK LIQUEF.	1,527	74,15	2,420	179,41	---	0,981	0,234		
1	2,799	4,833	0,195	55,98	12,99	42,99	111,109	4,074	2,32	72,851	2,44	GRANULAR	Non Plastic	CHECK LIQUEF.	1,525	73,70	2,465	181,66	---	0,981	0,234		
1	2,809	1,263	0,204	56,18	13,09	43,09	28,004	16,866	3,17	18,383	3,29	CLAYEY	Plastic	NO LIQUEFACTION	1,880	23,75	10,629	252,38	---	0,981	0,235	---	-10,00
1	2,819	5,968	0,204	56,38	13,19	43,19	136,862	3,455	2,21	89,945	2,32	GRANULAR	Non Plastic	CHECK LIQUEF.	1,522	90,80	2,021	183,47	---	0,981	0,235		
1	2,829	5,964	0,205	56,58	13,29	43,29	136,464	3,478	2,21	89,787	2,32	GRANULAR	Non Plastic	CHECK LIQUEF.	1,520	90,65	2,030	183,98	---	0,981	0,235		
1	2,839	5,910	0,207	56,78	13,39	43,39	134,903	3,538	2,22	88,862	2,33	GRANULAR	Non Plastic	CHECK LIQUEF.	1,518	89,72	2,059	184,76	---	0,981	0,236		
1	2,849	5,870	0,211	56,98	13,49	43,49	133,659	3,638	2,23	88,144	2,34	GRANULAR	Non Plastic	CHECK LIQUEF.	1,516	89,01	2,100	186,90	---	0,981	0,236		
1	2,859	5,984	0,214	57,18	13,59	43,59	135,975	3,604	2,22	89,775	2,34	GRANULAR	Non Plastic	CHECK LIQUEF.	1,515	90,64	2,070	187,64	---	0,980	0,236		
1	2,869	6,072	0,216	57,38	13,69	43,69	137,663	3,594	2,22	90,993	2,33	GRANULAR	Non Plastic	CHECK LIQUEF.	1,513	91,86	2,054	188,66	---	0,980	0,236		
1	2,879	6,294	0,218	57,58	13,79	43,79	142,420	3,488	2,20	94,245	2,31	GRANULAR	Non Plastic	CHECK LIQUEF.	1,511	95,12	1,987	188,99	---	0,980	0,237		
1	2,889	6,392	0,217	57,78	13,89	43,89	144,316	3,419	2,19	95,609	2,30	GRANULAR	Non Plastic	CHECK LIQUEF.	1,509	96,48	1,952	188,35	---	0,980	0,237		
1	2,899	6,648	0,216	57,98	13,99	43,99	149,802	3,285	2,17	99,356	2,28	GRANULAR	Non Plastic	CHECK LIQUEF.	1,508	100,23	1,877	188,14	---	0,980	0,237		
1	2,909	6,739	0,225	58,18	14,09	44,09	151,520	3,375	2,17	100,610	2,28	GRANULAR	Non Plastic	CHECK LIQUEF.	1,506	101,49	1,894	192,18	---	0,980	0,237		
1	2,919	6,948	0,232	58,38	14,19	44,19	155,898	3,374	2,16	103,634	2,27	GRANULAR	Non Plastic	CHECK LIQUEF.	1,504	104,51	1,868	195,25	---	0,980	0,238		
1	2,929	7,069	0,224	58,58	14,29	44,29	158,279	3,196	2,14	105,336	2,25	GRANULAR	Non Plastic	CHECK LIQUEF.	1,503	106,22	1,803	191,47	---	0,980	0,238		
1	2,939	7,203	0,221	58,78	14,39	44,39	160,952	3,094	2,13	107,236	2,24	GRANULAR	Non Plastic	CHECK LIQUEF.	1,501	108,12	1,759	190,16	---	0,980	0,238		
1	2,949	7,345	0,217	58,98	14,49	44,49	163,766	2,978	2,11	109,233	2,22	GRANULAR	Non Plastic	CHECK LIQUEF.	1,499	110,12	1,712	188,50	---	0,980	0,238		
1	2,959	7,692	0,222	59,18	14,59	44,59	171,173	2,913	2,09	114,302	2,20	GRANULAR	Non Plastic	CHECK LIQUEF.	1,498	115,19	1,662	191,40	---	0,980	0,239		
1	2,969	7,992	0,219	59,38	14,69	44,69	177,493	2,767	2,06	118,655	2,17	GRANULAR	Non Plastic	CHECK LIQUEF.	1,496	119,54	1,597	190,93	---	0,980	0,239		
1	2,979	9,355	0,215	59,58	14,79	44,79	207,543	2,309	1,96	138,899	2,07	GRANULAR	Non Plastic	CHECK LIQUEF.	1,494	139,79	1,397	195,25	---	0,980	0,239		
1	2,989	11,262	0,250	59,78	14,89	44,89	249,539	2,236	1,90	167,191	2,00	GRANULAR	Non Plastic	CHECK LIQUEF.	1,493	168,08	1,306	219,48	---	0,980	0,239		
1	2,999	12,834	0,232	59,98	14,99	44,99	283,937	1,814	1,79	190,449	1,90	GRANULAR	Non Plastic	CHECK LIQUEF.	1,491	191,34	1,187	227,15	---	0,979	0,240		
1	3,009	13,137	0,240	60,18	15,09	45,09	290,025	1,838	1,79	194,748	1,90	GRANULAR	Non Plastic	CHECK LIQUEF.	1,489	195,64	1,186	231,97	---	0,979	0,240		
1	3,019	13,191	0,247	60,38	15,19	45,19	290,571	1,879	1,80	195,332	1,90	GRANULAR	Non Plastic	CHECK LIQUEF.	1,488	196,23	1,192	233,90	---	0,979	0,240		
1	3,029	13,053	0,259	60,58	15,29	45,29	286,877	1,994	1,83	193,061	1,93	GRANULAR	Non Plastic	CHECK LIQUEF.	1,486	193,96	1,215	235,67	---	0,979	0,240		
1	3,039	12,696	0,267	60,78	15,39	45,39	278,376	2,117	1,85	187,547	1,95	GRANULAR	Non Plastic	CHECK LIQUEF.	1,484	188,45	1,245	234,69	---	0,979	0,241		
1	3,049	12,551	0,270	60,98	15,49	45,49	274,577	2,163	1,87	185,191	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,483	186,09	1,258	234,06	---	0,979	0,241		
1	3,059	11,656	0,278	61,18	15,59	45,59	254,321	2,397	1,92	171,717	2,02	GRANULAR	Non Plastic	CHECK LIQUEF.	1,481	172,62	1,328	229,32	---	0,979	0,241		
1	3,069	11,312	0,278	61,38	15,69	45,69	246,242	2,470	1,94	166,445	2,04	GRANULAR	Non Plastic	CHECK LIQUEF.	1,479	167,35	1,355						

GU	Depth (m)	qc (MPa)	fs (MPa)	σ_v (kPa)	u (kPa)	σ'_v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	3,159	6,486	0,249	63,18	16,59	46,59	137,865	3,870	2,24	94,101	2,35	GRANULAR	Non Plastic	CHECK LIQUEF.	1,465	95,03	2,108	200,30	---	0,978	0,243		
1	3,169	6,075	0,257	63,38	16,69	46,69	128,765	4,280	2,30	87,984	2,40	GRANULAR	Non Plastic	CHECK LIQUEF.	1,464	88,91	2,308	205,25	---	0,978	0,244		
1	3,179	6,032	0,232	63,58	16,79	46,79	127,550	3,888	2,27	87,247	2,37	GRANULAR	Non Plastic	CHECK LIQUEF.	1,462	88,18	2,191	193,24	---	0,978	0,244		
1	3,189	6,099	0,242	63,78	16,89	46,89	128,711	4,011	2,27	88,135	2,38	GRANULAR	Non Plastic	CHECK LIQUEF.	1,460	89,07	2,220	197,75	---	0,978	0,244		
1	3,199	6,193	0,239	63,98	16,99	46,99	130,439	3,894	2,26	89,414	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	1,459	90,35	2,168	195,84	---	0,978	0,244		
1	3,209	6,395	0,241	64,18	17,09	47,09	134,449	3,802	2,24	92,261	2,35	GRANULAR	Non Plastic	CHECK LIQUEF.	1,457	93,20	2,106	196,27	---	0,978	0,245		
1	3,219	6,540	0,248	64,38	17,19	47,19	137,229	3,835	2,24	94,268	2,34	GRANULAR	Non Plastic	CHECK LIQUEF.	1,456	95,21	2,095	199,48	---	0,978	0,245		
1	3,229	6,971	0,256	64,58	17,29	47,29	146,050	3,705	2,21	100,434	2,31	GRANULAR	Non Plastic	CHECK LIQUEF.	1,454	101,37	1,995	202,21	---	0,978	0,245		
1	3,239	7,342	0,251	64,78	17,39	47,39	153,555	3,445	2,18	105,706	2,28	GRANULAR	Non Plastic	CHECK LIQUEF.	1,453	106,65	1,873	199,73	---	0,978	0,245		
1	3,249	7,884	0,231	64,98	17,49	47,49	164,645	2,958	2,10	113,460	2,21	GRANULAR	Non Plastic	CHECK LIQUEF.	1,451	114,40	1,679	192,11	---	0,978	0,246		
1	3,259	8,055	0,225	65,18	17,59	47,59	167,904	2,814	2,08	115,828	2,18	GRANULAR	Non Plastic	CHECK LIQUEF.	1,450	116,77	1,625	189,79	---	0,978	0,246		
1	3,269	8,119	0,225	65,38	17,69	47,69	168,890	2,793	2,08	116,630	2,18	GRANULAR	Non Plastic	CHECK LIQUEF.	1,448	117,58	1,615	189,89	---	0,978	0,246		
1	3,279	8,008	0,227	65,58	17,79	47,79	166,207	2,852	2,09	114,898	2,19	GRANULAR	Non Plastic	CHECK LIQUEF.	1,447	115,85	1,641	190,13	---	0,978	0,246		
1	3,289	8,032	0,217	65,78	17,89	47,89	166,348	2,724	2,07	115,115	2,17	GRANULAR	Non Plastic	CHECK LIQUEF.	1,445	116,07	1,604	186,23	---	0,977	0,246		
1	3,299	8,103	0,206	65,98	17,99	47,99	167,471	2,562	2,05	116,013	2,15	GRANULAR	Non Plastic	CHECK LIQUEF.	1,444	116,97	1,555	181,93	---	0,977	0,247		
1	3,309	8,143	0,189	66,18	18,09	48,09	167,960	2,341	2,02	116,473	2,12	GRANULAR	Non Plastic	CHECK LIQUEF.	1,442	117,43	1,493	175,33	---	0,977	0,247		
1	3,319	7,779	0,188	66,38	18,19	48,19	160,059	2,438	2,05	111,110	2,15	GRANULAR	Non Plastic	CHECK LIQUEF.	1,441	112,07	1,547	173,39	---	0,977	0,247		
1	3,329	7,439	0,201	66,58	18,29	48,29	152,680	2,731	2,10	106,097	2,20	GRANULAR	Non Plastic	CHECK LIQUEF.	1,439	107,05	1,661	177,81	---	0,977	0,247		
1	3,339	6,648	0,205	66,78	18,39	48,39	136,005	3,122	2,17	94,607	2,27	GRANULAR	Non Plastic	CHECK LIQUEF.	1,438	95,57	1,868	178,54	---	0,977	0,247		
1	3,349	6,250	0,172	66,98	18,49	48,49	127,525	2,784	2,15	88,800	2,26	GRANULAR	Non Plastic	CHECK LIQUEF.	1,436	89,76	1,813	162,77	---	0,977	0,248		
1	3,359	5,557	0,193	67,18	18,59	48,59	112,981	3,514	2,26	78,753	2,37	GRANULAR	Non Plastic	CHECK LIQUEF.	1,435	79,72	2,176	173,50	---	0,977	0,248		
1	3,369	5,604	0,195	67,38	18,69	48,69	113,713	3,515	2,26	79,345	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	1,433	80,31	2,168	174,15	---	0,977	0,248		
1	3,379	5,759	0,211	67,58	18,79	48,79	116,651	3,711	2,27	81,479	2,37	GRANULAR	Non Plastic	CHECK LIQUEF.	1,432	82,45	2,207	181,95	---	0,977	0,248		
1	3,389	6,089	0,221	67,78	18,89	48,89	123,160	3,671	2,26	86,113	2,35	GRANULAR	Non Plastic	CHECK LIQUEF.	1,430	87,08	2,134	185,86	---	0,977	0,249		
1	3,399	6,991	0,241	67,98	18,99	48,99	141,328	3,483	2,20	98,917	2,30	GRANULAR	Non Plastic	CHECK LIQUEF.	1,429	99,89	1,941	193,90	---	0,977	0,249		
1	3,409	7,557	0,246	68,18	19,09	49,09	152,562	3,283	2,16	106,889	2,26	GRANULAR	Non Plastic	CHECK LIQUEF.	1,427	107,86	1,816	195,92	---	0,977	0,249		
1	3,419	8,426	0,237	68,38	19,19	49,19	169,912	2,836	2,08	119,166	2,18	GRANULAR	Non Plastic	CHECK LIQUEF.	1,426	120,14	1,613	193,79	---	0,977	0,249		
1	3,429	8,864	0,246	68,57	19,29	49,29	178,446	2,801	2,07	125,278	2,16	GRANULAR	Non Plastic	CHECK LIQUEF.	1,424	126,25	1,573	198,59	---	0,976	0,249		
1	3,439	9,076	0,277	68,77	19,39	49,39	182,377	3,070	2,09	128,168	2,18	GRANULAR	Non Plastic	CHECK LIQUEF.	1,423	129,15	1,629	210,33	---	0,976	0,250		
1	3,449	8,860	0,284	68,97	19,49	49,49	177,649	3,235	2,12	124,971	2,21	GRANULAR	Non Plastic	CHECK LIQUEF.	1,422	125,95	1,688	212,63	---	0,976	0,250		
1	3,459	8,544	0,274	69,17	19,59	49,59	170,903	3,230	2,13	120,347	2,22	GRANULAR	Non Plastic	CHECK LIQUEF.	1,420	121,33	1,713	207,82	---	0,976	0,250		
1	3,469	7,958	0,261	69,37	19,69	49,69	158,762	3,307	2,15	111,910	2,25	GRANULAR	Non Plastic	CHECK LIQUEF.	1,419	112,89	1,787	201,80	---	0,976	0,250		
1	3,479	7,473	0,244	69,57	19,79	49,79	148,699	3,292	2,17	104,922	2,26	GRANULAR	Non Plastic	CHECK LIQUEF.	1,417	105,91	1,834	194,24	---	0,976	0,250		
1	3,489	6,904	0,236	69,77	19,89	49,89	136,989	3,452	2,21	96,756	2,30	GRANULAR	Non Plastic	CHECK LIQUEF.	1,416	97,74	1,952	190,75	---	0,976	0,251		
1	3,499	6,634	0,224	69,97	19,99	49,99	131,321	3,416	2,21	92,846	2,31	GRANULAR	Non Plastic	CHECK LIQUEF.	1,414	93,84	1,978	185,62	---	0,976	0,251		
1	3,509	5,873	0,220	70,17	20,09	50,09	115,860	3,792	2,28	81,996	2,38	GRANULAR	Non Plastic	CHECK LIQUEF.	1,413	82,99	2,227	184,82	---	0,976	0,251		
1	3,519	5,685	0,192	70,37	20,19	50,19	111,867	3,428	2,26	79,250	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	1,412	80,24	2,140	171,70	---	0,976	0,251		
1	3,529	5,590	0,196	70,57	20,29	50,29	109,766	3,551	2,28	77,838	2,37	GRANULAR	Non Plastic	CHECK LIQUEF.	1,410	78,83	2,202	173,59	---	0,976	0,251		
1	3,539	5,648	0,175	70,77	20,39	50,39	110,680	3,146	2,23	78,565	2,33	GRANULAR	Non Plastic	CHECK LIQUEF.	1,409	79,56	2,050	163,10	---	0,976	0,252		
1	3,549	5,786	0,188	70,97	20,49	50,49	113,192	3,293	2,24	80,428	2,34	GRANULAR	Non Plastic	CHECK LIQUEF.	1,407	81,43	2,078	169,17	---	0,976	0,252		
1	3,559	5,934	0,165	71,17	20,59	50,59	115,894	2,818	2,18	82,429	2,28	GRANULAR	Non Plastic	CHECK LIQUEF.	1,406	83,43	1,889	157,63	0,4442	0,976	0,252	1,76	2,54
1	3,569	6,170	0,179	71,37	20,69	50,69	120,312	2,930	2,19	85,656	2,28	GRANULAR	Non Plastic	CHECK LIQUEF.	1,405	86,66	1,893	164,04	---	0,976	0,252		
1	3,579	6,351	0,230	71,57	20,79	50,79	123,652	3,660	2,25	88,120	2,35	GRANULAR	Non Plastic	CHECK LIQUEF.	1,403	89,12	2,107	187,80	---	0,975	0,252		
1	3,589	6,884	0,186	71,77	20,89	50,89	133,862	2,736	2,13	95,490	2,23	GRANULAR	Non Plastic	CHECK LIQUEF.	1,402	96,50	1,740	167,86	---	0,975	0,252		
1	3,599	7,166	0,194	71,97	20,99	50,99	139,144	2,729	2,12	99,355	2,22	GRANULAR	Non Plastic	CHECK LIQUEF.	1,400	100,36	1,707	171,36	---	0,975	0,253		
1	3,609	7,678	0,202	72,17	21,09	51,09	148,888	2,658	2,09	106,417	2,19	GRANULAR	Non Plastic	CHECK LIQUEF.	1,399	107,43	1,638	175,93	---	0,975	0,253		
1	3,619	7,928	0,224	72,37	21,19	51,19	153,462	2,856	2,11	109,794	2,20	GRANULAR	Non Plastic	CHECK LIQUEF.	1,398	110,81	1,673	185,38	---	0,975	0,253		
1	3,629	8,507	0,232	72,57	21,29	51,29	164,454	2,756	2,08	117,772	2,17	GRANULAR	Non Plastic	CHECK LIQUEF.	1,396	118,79	1,599	189,91	---	0,975	0,253		
1	3,639	8,806	0,248	72,77	21,39	51,39	169,963	2,837	2,08	121,836	2,17	GRANULAR	Non Plastic	CHECK LIQUEF.	1,395	122,85	1,599	196,48	---	0,975	0,253		
1	3,649	9,056	0,257	72,97	21,49	51,49	174,469	2,861	2,08	125,188	2,17	GRANULAR	Non Plastic	CHECK LIQUEF.	1,394	126,21	1,589	200,52	---	0,975	0,254		
1	3,659	9,935	0,268	73,17	21,59	51,59	191,166	2,719	2,04	137,302	2,12	GRANULAR	Non Plastic	CHECK LIQUEF.	1,392	138,32	1,500	207,52	---	0,975	0,254		
1	3,669	9,921	0,274	73,37	21,69	51,69	190,532	2,779	2,05	136,979	2,13	GRANULAR	Non Plastic	CHECK LIQUEF.	1,391	138,00	1,516	209,23	---	0,975	0,254		
1	3,679	9,904	0,286	73,57	21,79	51,79	189,836	2,907	2,06	136,610	2,15	GRANULAR	Non Plastic	CHECK LIQUEF.	1,390	137,63	1,549	213,20	---	0,975	0,254		
1	3,689	9,813	0,291	73,77	21,89	51,89	187,714	2,986	2,07	135,213	2,16	GRANULAR	Non Plastic	CHECK LIQUEF.	1,388	136,24	1,574	214,50	---	0,975	0,254		
1	3,699	9,803	0,300	73,97	21,99	51,99	187,155	3,083	2,09	134,940	2,17	GRANULAR	Non Plastic	CHECK LIQUEF.	1,387	135,97	1,600	217,53	---	0			

GU	Depth (m)	qc (MPa)	fs (MPa)	σ_v (kPa)	u (kPa)	σ'_v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	3,788	6,109	0,254	75,77	22,88	52,88	114,082	4,208	2,32	82,963	2,41	GRANULAR	Non Plastic	CHECK LIQUEF.	1,375	84,00	2,352	197,61	---	0,974	0,256		
1	3,798	6,207	0,255	75,97	22,98	52,98	115,706	4,159	2,32	84,223	2,40	GRANULAR	Non Plastic	CHECK LIQUEF.	1,374	85,27	2,319	197,73	---	0,974	0,256		
1	3,808	6,793	0,261	76,17	23,08	53,08	126,523	3,887	2,27	92,184	2,35	GRANULAR	Non Plastic	CHECK LIQUEF.	1,373	93,23	2,134	198,92	---	0,974	0,256		
1	3,818	7,291	0,264	76,37	23,18	53,18	135,653	3,659	2,23	98,929	2,31	GRANULAR	Non Plastic	CHECK LIQUEF.	1,371	99,98	1,995	199,42	---	0,974	0,257		
1	3,828	8,742	0,260	76,57	23,28	53,28	162,635	2,996	2,11	118,717	2,20	GRANULAR	Non Plastic	CHECK LIQUEF.	1,370	119,77	1,659	198,66	---	0,974	0,257		
1	3,838	9,581	0,255	76,77	23,38	53,38	178,035	2,686	2,05	130,080	2,13	GRANULAR	Non Plastic	CHECK LIQUEF.	1,369	131,13	1,522	199,54	---	0,974	0,257		
1	3,848	11,157	0,245	76,97	23,48	53,48	207,166	2,212	1,94	151,507	2,03	GRANULAR	Non Plastic	CHECK LIQUEF.	1,367	152,56	1,338	204,11	---	0,974	0,257		
1	3,858	11,760	0,241	77,17	23,58	53,58	218,026	2,065	1,91	159,598	1,99	GRANULAR	Non Plastic	CHECK LIQUEF.	1,366	160,65	1,288	206,84	---	0,974	0,257		
1	3,868	12,211	0,232	77,37	23,68	53,68	226,023	1,916	1,87	165,606	1,95	GRANULAR	Non Plastic	CHECK LIQUEF.	1,365	166,66	1,245	207,56	---	0,973	0,257		
1	3,878	12,592	0,235	77,57	23,78	53,78	232,675	1,874	1,86	170,638	1,94	GRANULAR	Non Plastic	CHECK LIQUEF.	1,364	171,70	1,228	210,89	---	0,973	0,258		
1	3,888	12,541	0,255	77,77	23,88	53,88	231,302	2,049	1,89	169,789	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,362	170,85	1,264	215,87	---	0,973	0,258		
1	3,898	11,935	0,256	77,97	23,98	53,98	219,641	2,161	1,92	161,379	2,00	GRANULAR	Non Plastic	CHECK LIQUEF.	1,361	162,44	1,303	211,70	---	0,973	0,258		
1	3,908	11,457	0,268	78,17	24,08	54,08	210,390	2,358	1,96	154,724	2,04	GRANULAR	Non Plastic	CHECK LIQUEF.	1,360	155,79	1,361	212,05	---	0,973	0,258		
1	3,918	10,322	0,272	78,37	24,18	54,18	189,053	2,653	2,03	139,161	2,11	GRANULAR	Non Plastic	CHECK LIQUEF.	1,359	140,23	1,477	207,16	---	0,973	0,258		
1	3,928	9,803	0,275	78,57	24,28	54,28	179,147	2,830	2,07	131,991	2,15	GRANULAR	Non Plastic	CHECK LIQUEF.	1,357	133,06	1,549	206,17	---	0,973	0,258		
1	3,938	8,887	0,260	78,77	24,38	54,38	161,971	2,954	2,11	119,446	2,19	GRANULAR	Non Plastic	CHECK LIQUEF.	1,356	120,51	1,643	198,05	---	0,973	0,259		
1	3,948	8,423	0,261	78,97	24,48	54,48	153,141	3,127	2,14	113,037	2,22	GRANULAR	Non Plastic	CHECK LIQUEF.	1,355	114,11	1,729	197,31	---	0,973	0,259		
1	3,958	8,086	0,262	79,17	24,58	54,58	146,687	3,278	2,17	108,373	2,25	GRANULAR	Non Plastic	CHECK LIQUEF.	1,354	109,44	1,804	197,44	---	0,973	0,259		
1	3,968	7,907	0,262	79,37	24,68	54,68	143,151	3,344	2,18	105,857	2,27	GRANULAR	Non Plastic	CHECK LIQUEF.	1,352	106,93	1,842	196,97	---	0,973	0,259		
1	3,978	7,197	0,249	79,57	24,78	54,78	129,916	3,500	2,23	96,158	2,31	GRANULAR	Non Plastic	CHECK LIQUEF.	1,351	97,23	1,972	191,74	---	0,973	0,259		
1	3,988	6,799	0,240	79,77	24,88	54,88	122,435	3,572	2,25	90,703	2,33	GRANULAR	Non Plastic	CHECK LIQUEF.	1,350	91,78	2,050	188,16	---	0,973	0,259		
1	3,998	6,311	0,229	79,97	24,98	54,98	113,328	3,668	2,28	84,033	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	1,349	85,11	2,159	183,76	---	0,973	0,260		
1	4,008	6,203	0,226	80,17	25,08	55,08	111,162	3,693	2,29	82,502	2,37	GRANULAR	Non Plastic	CHECK LIQUEF.	1,347	83,58	2,187	182,79	---	0,972	0,260		
1	4,018	6,210	0,220	80,36	25,18	55,18	111,079	3,582	2,28	82,515	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	1,346	83,60	2,150	179,70	---	0,972	0,260		
1	4,028	6,156	0,216	80,56	25,28	55,28	109,900	3,551	2,28	81,713	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	1,345	82,80	2,149	177,95	---	0,972	0,260		
1	4,038	6,129	0,214	80,76	25,38	55,38	109,212	3,530	2,27	81,275	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	1,344	82,36	2,148	176,90	---	0,972	0,260		
1	4,048	6,092	0,212	80,96	25,48	55,48	108,344	3,523	2,28	80,702	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	1,343	81,79	2,153	176,09	---	0,972	0,260		
1	4,058	6,112	0,198	81,16	25,58	55,58	108,510	3,288	2,25	80,897	2,34	GRANULAR	Non Plastic	CHECK LIQUEF.	1,341	81,99	2,070	169,69	---	0,972	0,261		
1	4,068	6,190	0,189	81,36	25,68	55,68	109,702	3,088	2,23	81,860	2,31	GRANULAR	Non Plastic	CHECK LIQUEF.	1,340	82,95	1,989	165,00	---	0,972	0,261		
1	4,078	6,240	0,184	81,56	25,78	55,78	110,408	2,983	2,22	82,461	2,30	GRANULAR	Non Plastic	CHECK LIQUEF.	1,339	83,55	1,946	162,60	---	0,972	0,261		
1	4,088	6,318	0,185	81,76	25,88	55,88	111,593	2,972	2,21	83,420	2,29	GRANULAR	Non Plastic	CHECK LIQUEF.	1,338	84,51	1,931	163,21	---	0,972	0,261		
1	4,098	6,277	0,179	81,96	25,98	55,98	110,669	2,886	2,20	82,803	2,29	GRANULAR	Non Plastic	CHECK LIQUEF.	1,337	83,90	1,909	160,14	---	0,972	0,261		
1	4,108	6,382	0,181	82,16	26,08	56,08	112,329	2,878	2,20	84,121	2,28	GRANULAR	Non Plastic	CHECK LIQUEF.	1,335	85,22	1,892	161,22	---	0,972	0,261		
1	4,118	6,523	0,212	82,36	26,18	56,18	114,644	3,293	2,24	85,930	2,32	GRANULAR	Non Plastic	CHECK LIQUEF.	1,334	87,03	2,011	175,06	---	0,972	0,261		
1	4,128	6,752	0,226	82,56	26,28	56,28	118,506	3,388	2,24	88,904	2,32	GRANULAR	Non Plastic	CHECK LIQUEF.	1,333	90,00	2,010	180,91	---	0,972	0,262		
1	4,138	6,887	0,214	82,76	26,38	56,38	120,682	3,152	2,21	90,616	2,29	GRANULAR	Non Plastic	CHECK LIQUEF.	1,332	91,72	1,916	175,71	---	0,972	0,262		
1	4,148	7,540	0,226	82,96	26,48	56,48	132,032	3,026	2,17	99,227	2,25	GRANULAR	Non Plastic	CHECK LIQUEF.	1,331	100,33	1,799	180,52	---	0,972	0,262		
1	4,158	8,012	0,292	83,16	26,58	56,58	140,128	3,687	2,22	105,405	2,30	GRANULAR	Non Plastic	CHECK LIQUEF.	1,329	106,51	1,946	207,30	---	0,971	0,262		
1	4,168	9,110	0,324	83,36	26,68	56,68	159,247	3,586	2,18	119,892	2,25	GRANULAR	Non Plastic	CHECK LIQUEF.	1,328	121,00	1,812	219,28	---	0,971	0,262		
1	4,178	9,716	0,285	83,56	26,78	56,78	169,639	2,955	2,10	127,828	2,17	GRANULAR	Non Plastic	CHECK LIQUEF.	1,327	128,94	1,600	206,34	---	0,971	0,262		
1	4,188	12,346	0,340	83,76	26,88	56,88	215,578	2,776	2,01	162,587	2,09	GRANULAR	Non Plastic	CHECK LIQUEF.	1,326	163,70	1,430	234,11	---	0,971	0,262		
1	4,198	13,558	0,351	83,96	26,98	56,98	236,474	2,606	1,97	178,503	2,04	GRANULAR	Non Plastic	CHECK LIQUEF.	1,325	179,62	1,356	243,50	---	0,971	0,263		
1	4,208	16,165	0,386	84,16	27,08	57,08	281,722	2,402	1,90	212,845	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,324	213,96	1,258	269,21	---	0,971	0,263		
1	4,218	16,950	0,404	84,36	27,18	57,18	294,950	2,395	1,89	223,033	1,95	GRANULAR	Non Plastic	CHECK LIQUEF.	1,322	224,15	1,244	278,77	---	0,971	0,263		
1	4,228	18,916	0,429	84,56	27,28	57,28	328,767	2,280	1,84	248,822	1,91	GRANULAR	Non Plastic	CHECK LIQUEF.	1,321	249,94	1,197	299,24	---	0,971	0,263		
1	4,238	19,741	0,445	84,76	27,38	57,38	342,571	2,264	1,83	259,495	1,90	GRANULAR	Non Plastic	CHECK LIQUEF.	1,320	260,61	1,185	308,87	---	0,971	0,263		
1	4,248	21,277	0,484	84,96	27,48	57,48	368,690	2,282	1,82	279,523	1,88	GRANULAR	Non Plastic	CHECK LIQUEF.	1,319	280,64	1,172	328,79	---	0,971	0,263		
1	4,258	21,792	0,503	85,16	27,58	57,58	376,996	2,315	1,82	286,068	1,88	GRANULAR	Non Plastic	CHECK LIQUEF.	1,318	287,19	1,171	336,42	---	0,971	0,264		
1	4,268	22,119	0,543	85,36	27,68	57,68	382,003	2,466	1,84	290,119	1,90	GRANULAR	Non Plastic	CHECK LIQUEF.	1,317	291,24	1,190	346,51	---	0,971	0,264		
1	4,278	22,244	0,565	85,56	27,78	57,78	383,496	2,552	1,85	291,505	1,91	GRANULAR	Non Plastic	CHECK LIQUEF.	1,316	292,63	1,201	351,37	---	0,971	0,264		
1	4,288	22,308	0,609	85,76	27,88	57,88	383,937	2,741	1,88	292,092	1,94	GRANULAR	Non Plastic	CHECK LIQUEF.	1,314	293,22	1,227	359,86	---	0,971	0,264		
1	4,298	22,537	0,636	85,96	27,98	57,98	387,222	2,835	1,89	294,845	1,95	GRANULAR	Non Plastic	CHECK LIQUEF.	1,313	295,97	1,239	366,59	---	0,970	0,264		
1	4,308	22,685	0,690	86,16	28,08	58,08	389,105	3,054	1,92	296,533	1,98	GRANULAR	Non Plastic	CHECK LIQUEF.	1,312	297,66	1,269	377,80	---	0,970	0,264		
1	4,318	22,840	0,703	86,36	28,18	58,18	391,096	3,090	1,92	298,307	1,98	GRANULAR	Non Plastic	CHECK LIQUEF.	1,311	299,44	1,273	381,19	---	0,970	0,264		
1	4,328	22,900	0,698	86,56	28,28	58,28	391,463	3,060	1,92	298,843	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,310	299,98	1,268	38					

GU	Depth (m)	qc (MPa)	fs (MPa)	σ _v (kPa)	u (kPa)	σ' _v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N) _{cs}	CRR7.5	Rd	CSR	7,5	6,5
1	4,418	25,338	0,805	88,35	29,18	59,18	426,693	3,189	1,92	328,238	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,300	329,39	1,263	415,89	---	0,970	0,266		
1	4,428	25,591	0,817	88,55	29,28	59,28	430,232	3,202	1,92	331,240	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,299	332,39	1,262	419,56	---	0,970	0,266		
1	4,438	25,945	0,823	88,75	29,38	59,38	435,461	3,183	1,91	335,547	1,96	GRANULAR	Non Plastic	CHECK LIQUEF.	1,298	336,70	1,256	423,04	---	0,970	0,266		
1	4,448	26,046	0,833	88,95	29,48	59,48	436,425	3,208	1,92	336,573	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,297	337,73	1,259	425,27	---	0,969	0,266		
1	4,458	26,123	0,844	89,15	29,58	59,58	436,991	3,241	1,92	337,292	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,296	338,45	1,263	427,52	---	0,969	0,266		
1	4,468	26,052	0,868	89,35	29,68	59,68	435,072	3,343	1,93	336,092	1,98	GRANULAR	Non Plastic	CHECK LIQUEF.	1,295	337,25	1,278	431,14	---	0,969	0,266		
1	4,478	26,164	0,877	89,55	29,78	59,78	436,201	3,362	1,93	337,246	1,98	GRANULAR	Non Plastic	CHECK LIQUEF.	1,293	338,40	1,280	433,22	---	0,969	0,266		
1	4,487	26,379	0,894	89,75	29,87	59,87	439,070	3,400	1,94	339,748	1,99	GRANULAR	Non Plastic	CHECK LIQUEF.	1,292	340,91	1,284	437,60	---	0,969	0,267		
1	4,497	26,766	0,910	89,95	29,97	59,97	444,794	3,410	1,94	344,463	1,99	GRANULAR	Non Plastic	CHECK LIQUEF.	1,291	345,62	1,282	442,96	---	0,969	0,267		
1	4,507	26,935	0,939	90,15	30,07	60,07	446,854	3,500	1,95	346,347	1,99	GRANULAR	Non Plastic	CHECK LIQUEF.	1,290	347,51	1,293	449,24	---	0,969	0,267		
1	4,517	27,575	0,891	90,35	30,17	60,17	456,743	3,242	1,91	354,305	1,96	GRANULAR	Non Plastic	CHECK LIQUEF.	1,289	355,47	1,252	444,88	---	0,969	0,267		
1	4,527	28,123	0,939	90,55	30,27	60,27	465,091	3,348	1,92	361,080	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,288	362,25	1,261	456,96	---	0,969	0,267		
1	4,537	29,326	0,902	90,75	30,37	60,37	484,232	3,086	1,88	376,252	1,93	GRANULAR	Non Plastic	CHECK LIQUEF.	1,287	377,42	1,218	459,58	---	0,969	0,267		
1	4,547	29,844	0,648	90,95	30,47	60,47	492,006	2,177	1,74	382,608	1,79	GRANULAR	Non Plastic	CHECK LIQUEF.	1,286	383,78	1,101	422,72	---	0,969	0,267		
1	4,557	30,959	0,950	91,15	30,57	60,57	509,594	3,077	1,87	396,612	1,92	GRANULAR	Non Plastic	CHECK LIQUEF.	1,285	397,78	1,206	479,73	---	0,969	0,268		
1	4,567	31,367	0,934	91,35	30,67	60,67	515,469	2,985	1,86	401,515	1,90	GRANULAR	Non Plastic	CHECK LIQUEF.	1,284	402,69	1,192	480,07	---	0,969	0,268		
1	4,577	32,148	0,943	91,55	30,77	60,77	527,475	2,941	1,85	411,204	1,89	GRANULAR	Non Plastic	CHECK LIQUEF.	1,283	412,38	1,182	487,60	---	0,969	0,268		
1	4,587	27,207	0,934	91,75	30,87	60,87	445,448	3,446	1,94	347,544	1,99	GRANULAR	Non Plastic	CHECK LIQUEF.	1,282	348,72	1,284	447,86	---	0,968	0,268		
1	4,597	32,000	0,920	91,95	30,97	60,97	523,311	2,883	1,84	408,628	1,89	GRANULAR	Non Plastic	CHECK LIQUEF.	1,281	409,81	1,176	482,10	---	0,968	0,268		
1	4,607	34,408	0,938	92,15	31,07	61,07	561,880	2,733	1,81	439,103	1,85	GRANULAR	Non Plastic	CHECK LIQUEF.	1,280	440,28	1,147	504,81	---	0,968	0,268		
1	4,617	34,862	0,980	92,34	31,17	61,17	568,392	2,820	1,82	444,555	1,86	GRANULAR	Non Plastic	CHECK LIQUEF.	1,279	445,74	1,155	514,67	---	0,968	0,268		
1	4,627	32,313	0,999	92,54	31,27	61,27	525,856	3,100	1,87	411,622	1,91	GRANULAR	Non Plastic	CHECK LIQUEF.	1,278	412,80	1,202	496,02	---	0,968	0,268		
1	4,637	36,681	0,981	92,74	31,37	61,37	596,168	2,682	1,79	467,400	1,83	GRANULAR	Non Plastic	CHECK LIQUEF.	1,276	468,22	1,131	529,64	---	0,968	0,268		
1	4,647	36,718	0,964	92,94	31,47	61,47	595,800	2,632	1,78	467,130	1,83	GRANULAR	Non Plastic	CHECK LIQUEF.	1,275	468,32	1,126	527,11	---	0,968	0,269		
1	4,657	38,307	0,806	93,14	31,57	61,57	620,648	2,109	1,69	487,007	1,73	GRANULAR	Non Plastic	CHECK LIQUEF.	1,274	488,19	1,059	516,87	---	0,968	0,269		
1	4,667	39,661	0,789	93,34	31,67	61,67	641,593	1,994	1,66	503,849	1,70	GRANULAR	Non Plastic	CHECK LIQUEF.	1,273	505,04	1,040	525,04	---	0,968	0,269		
1	4,677	39,718	0,773	93,54	31,77	61,77	641,480	1,950	1,65	504,168	1,69	GRANULAR	Non Plastic	CHECK LIQUEF.	1,272	505,36	1,034	522,41	---	0,968	0,269		
1	4,687	34,738	0,782	93,74	31,87	61,87	559,940	2,256	1,73	440,437	1,78	GRANULAR	Non Plastic	CHECK LIQUEF.	1,271	441,63	1,090	481,51	---	0,968	0,269		
1	4,697	32,869	0,756	93,94	31,97	61,97	528,875	2,306	1,75	416,337	1,80	GRANULAR	Non Plastic	CHECK LIQUEF.	1,270	417,53	1,104	461,12	---	0,968	0,269		
1	4,707	33,387	0,702	94,14	32,07	62,07	536,377	2,108	1,71	422,583	1,76	GRANULAR	Non Plastic	CHECK LIQUEF.	1,269	423,78	1,078	456,91	---	0,968	0,269		
1	4,717	30,195	0,761	94,34	32,17	62,17	484,161	2,529	1,80	381,751	1,85	GRANULAR	Non Plastic	CHECK LIQUEF.	1,268	382,95	1,145	438,53	---	0,968	0,269		
1	4,727	28,595	0,710	94,54	32,27	62,27	457,694	2,491	1,81	361,171	1,86	GRANULAR	Non Plastic	CHECK LIQUEF.	1,267	362,37	1,150	416,73	---	0,967	0,270		
1	4,737	24,965	0,747	94,74	32,37	62,37	398,751	3,005	1,91	314,911	1,96	GRANULAR	Non Plastic	CHECK LIQUEF.	1,266	316,11	1,247	394,14	---	0,967	0,270		
1	4,747	25,426	0,765	94,94	32,47	62,47	405,497	3,020	1,91	320,494	1,95	GRANULAR	Non Plastic	CHECK LIQUEF.	1,265	321,70	1,245	400,43	---	0,967	0,270		
1	4,757	19,472	0,777	95,14	32,57	62,57	309,687	4,008	2,07	244,964	2,12	GRANULAR	Non Plastic	CHECK LIQUEF.	1,264	246,17	1,491	366,97	---	0,967	0,270		
1	4,767	17,495	0,809	95,34	32,67	62,67	277,647	4,648	2,15	219,795	2,20	GRANULAR	Non Plastic	CHECK LIQUEF.	1,263	221,00	1,664	367,63	---	0,967	0,270		
1	4,777	19,021	0,810	95,54	32,77	62,77	301,507	4,279	2,10	238,874	2,15	GRANULAR	Non Plastic	CHECK LIQUEF.	1,262	240,08	1,551	372,45	---	0,967	0,270		
1	4,787	16,552	0,784	95,74	32,87	62,87	261,761	4,766	2,17	207,549	2,22	GRANULAR	Non Plastic	CHECK LIQUEF.	1,261	208,76	1,719	358,93	---	0,967	0,270		
1	4,797	14,996	0,746	95,94	32,97	62,97	236,634	5,008	2,21	187,775	2,26	GRANULAR	Non Plastic	CHECK LIQUEF.	1,260	188,98	1,832	346,30	---	0,967	0,270		
1	4,807	13,222	0,758	96,14	33,07	63,07	208,116	5,773	2,29	165,276	2,34	GRANULAR	Non Plastic	CHECK LIQUEF.	1,259	166,49	2,097	349,10	---	0,967	0,270		
1	4,817	13,376	0,722	96,33	33,17	63,17	210,237	5,433	2,27	167,092	2,32	GRANULAR	Non Plastic	CHECK LIQUEF.	1,258	168,30	2,011	338,44	---	0,967	0,271		
1	4,827	13,013	0,735	96,53	33,27	63,27	204,153	5,687	2,29	162,385	2,34	GRANULAR	Non Plastic	CHECK LIQUEF.	1,257	163,60	2,092	342,23	---	0,967	0,271		
1	4,837	12,726	0,730	96,73	33,37	63,37	199,312	5,779	2,30	158,658	2,35	GRANULAR	Non Plastic	CHECK LIQUEF.	1,256	159,87	2,133	340,98	---	0,967	0,271		
1	4,847	12,572	0,760	96,93	33,47	63,47	196,554	6,092	2,32	156,587	2,38	GRANULAR	Non Plastic	CHECK LIQUEF.	1,255	157,80	2,217	349,85	---	0,967	0,271		
1	4,857	12,258	0,753	97,13	33,57	63,57	191,316	6,194	2,34	152,533	2,39	GRANULAR	Non Plastic	CHECK LIQUEF.	1,254	153,75	2,265	348,21	---	0,967	0,271		
1	4,867	11,928	0,773	97,33	33,67	63,67	185,829	6,530	2,36	148,275	2,41	GRANULAR	Non Plastic	CHECK LIQUEF.	1,253	149,49	2,371	354,45	---	0,966	0,271		
1	4,877	11,238	0,781	97,53	33,77	63,77	174,709	7,015	2,40	139,511	2,45	GRANULAR	Non Plastic	CHECK LIQUEF.	1,252	140,73	2,549	358,76	---	0,966	0,271		
1	4,887	10,783	0,796	97,73	33,87	63,87	167,314	7,454	2,44	133,710	2,49	GRANULAR	Non Plastic	CHECK LIQUEF.	1,251	134,93	2,702	364,63	---	0,966	0,271		
1	4,897	9,975	0,793	97,93	33,97	63,97	154,414	8,028	2,48	123,498	2,53	GRANULAR	Non Plastic	CHECK LIQUEF.	1,250	124,72	2,939	366,50	---	0,966	0,271		
1	4,906	9,197	0,761	98,13	34,06	64,06	142,028	8,364	2,52	113,680	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,249	114,91	3,132	359,83	---	0,966	0,272		
1	4,916	8,264	0,694	98,33	34,16	64,16	127,266	8,504	2,55	101,943	2,60	GRANULAR	Non Plastic	CHECK LIQUEF.	1,248	103,17	3,323	342,89	---	0,966	0,272		
1	4,926	7,897	0,691	98,53	34,26	64,26	121,353	8,865	2,57	97,283	2,63	GRANULAR	Plastic	NO LIQUEFACTION	1,393	110,03	3,489	383,86	---	0,966	0,272	---	-10,00
1	4,936	7,102	0,663	98,73	34,36	64,36	108,814	9,468	2,62	87,298	2,68	CLAYEY	Plastic	NO LIQUEFACTION	1,392	98,84	3,825	378,10	---	0,966	0,272	---	-10,00
1	4,946	6,823	0,661	98,93	34,46	64,46	104,307	9,827	2,65	83,747	2,70	CLAYEY	Plastic	NO LIQUEFACTION	1,390	94,84	3,994	378,74	---	0,966	0,272	---	-10,00
1	4,956	6,523	0,607	99,13	34,56	64,56	99,500	9,448</															

GU	Depth (m)	qc (MPa)	fs (MPa)	σ _v (kPa)	u (kPa)	σ' _v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N) _{cs}	CRR7.5	Rd	CSR	7,5	6,5
1	5,046	12,134	0,528	100,92	35,46	65,46	183,817	4,388	2,22	148,723	2,27	GRANULAR	Non Plastic	CHECK LIQUEF.	1,236	149,97	1,856	278,27	----	0,965	0,273		
1	5,056	11,581	0,488	101,12	35,56	65,56	175,110	4,252	2,22	141,786	2,27	GRANULAR	Non Plastic	CHECK LIQUEF.	1,235	143,03	1,858	265,72	----	0,965	0,273		
1	5,066	11,255	0,582	101,32	35,66	65,66	169,866	5,222	2,30	137,644	2,35	GRANULAR	Non Plastic	CHECK LIQUEF.	1,234	138,89	2,123	294,94	----	0,965	0,273		
1	5,076	11,410	0,610	101,52	35,76	65,76	171,961	5,395	2,31	139,448	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	1,233	140,70	2,155	303,16	----	0,965	0,273		
1	5,086	11,861	0,617	101,72	35,86	65,86	178,550	5,245	2,29	144,900	2,34	GRANULAR	Non Plastic	CHECK LIQUEF.	1,232	146,15	2,084	304,57	----	0,965	0,273		
1	5,096	12,801	0,631	101,92	35,96	65,96	192,522	4,971	2,25	156,357	2,30	GRANULAR	Non Plastic	CHECK LIQUEF.	1,231	157,61	1,956	308,30	----	0,965	0,274		
1	5,106	13,622	0,617	102,12	36,06	66,06	204,667	4,564	2,21	166,347	2,26	GRANULAR	Non Plastic	CHECK LIQUEF.	1,230	167,60	1,817	304,51	----	0,965	0,274		
1	5,116	15,326	0,665	102,32	36,16	66,16	230,113	4,366	2,17	187,169	2,21	GRANULAR	Non Plastic	CHECK LIQUEF.	1,229	188,43	1,698	319,88	----	0,965	0,274		
1	5,126	16,545	0,559	102,52	36,26	66,26	248,162	3,399	2,06	202,003	2,10	GRANULAR	Non Plastic	CHECK LIQUEF.	1,229	203,26	1,461	296,89	----	0,965	0,274		
1	5,136	17,158	0,623	102,72	36,36	66,36	257,023	3,651	2,07	209,372	2,12	GRANULAR	Non Plastic	CHECK LIQUEF.	1,228	210,63	1,494	314,60	----	0,964	0,274		
1	5,146	18,775	0,593	102,92	36,46	66,46	280,958	3,176	2,00	229,042	2,05	GRANULAR	Non Plastic	CHECK LIQUEF.	1,227	230,30	1,369	315,29	----	0,964	0,274		
1	5,156	19,506	0,613	103,12	36,56	66,56	291,514	3,157	1,99	237,825	2,04	GRANULAR	Non Plastic	CHECK LIQUEF.	1,226	239,09	1,352	323,36	----	0,964	0,274		
1	5,166	20,563	0,628	103,31	36,66	66,66	306,939	3,070	1,97	250,597	2,02	GRANULAR	Non Plastic	CHECK LIQUEF.	1,225	251,86	1,321	332,60	----	0,964	0,274		
1	5,176	21,348	0,668	103,51	36,76	66,76	318,231	3,147	1,97	260,011	2,02	GRANULAR	Non Plastic	CHECK LIQUEF.	1,224	261,28	1,321	345,25	----	0,964	0,274		
1	5,186	14,077	0,703	103,71	36,86	66,86	209,002	5,031	2,24	170,892	2,29	GRANULAR	Non Plastic	CHECK LIQUEF.	1,223	172,16	1,903	327,62	----	0,964	0,274		
1	5,196	19,566	0,702	103,91	36,96	66,96	290,671	3,608	2,04	237,847	2,09	GRANULAR	Non Plastic	CHECK LIQUEF.	1,222	239,12	1,431	342,26	----	0,964	0,275		
1	5,206	22,934	0,731	104,11	37,06	67,06	340,458	3,203	1,96	278,794	2,01	GRANULAR	Non Plastic	CHECK LIQUEF.	1,221	280,07	1,309	366,62	----	0,964	0,275		
1	5,216	23,517	0,751	104,31	37,16	67,16	348,626	3,206	1,96	285,694	2,00	GRANULAR	Non Plastic	CHECK LIQUEF.	1,220	286,97	1,302	373,73	----	0,964	0,275		
1	5,226	23,786	0,752	104,51	37,26	67,26	352,112	3,177	1,95	288,765	2,00	GRANULAR	Non Plastic	CHECK LIQUEF.	1,219	290,04	1,295	375,58	----	0,964	0,275		
1	5,235	23,981	0,755	104,71	37,35	67,35	354,488	3,161	1,95	290,929	1,99	GRANULAR	Non Plastic	CHECK LIQUEF.	1,218	292,20	1,290	377,06	----	0,964	0,275		
1	5,245	24,076	0,783	104,91	37,45	67,45	355,360	3,268	1,96	291,860	2,00	GRANULAR	Non Plastic	CHECK LIQUEF.	1,218	293,14	1,306	382,75	----	0,964	0,275		
1	5,255	24,254	0,758	105,11	37,55	67,55	357,475	3,139	1,95	293,813	1,99	GRANULAR	Non Plastic	CHECK LIQUEF.	1,217	295,09	1,284	379,00	----	0,964	0,275		
1	5,265	24,587	0,757	105,31	37,65	67,65	361,874	3,092	1,94	297,648	1,98	GRANULAR	Non Plastic	CHECK LIQUEF.	1,216	298,93	1,274	380,79	----	0,964	0,275		
1	5,275	24,783	0,770	105,51	37,75	67,75	364,221	3,122	1,94	299,800	1,98	GRANULAR	Non Plastic	CHECK LIQUEF.	1,215	301,08	1,276	384,30	----	0,963	0,275		
1	5,285	25,066	0,765	105,71	37,85	67,85	367,853	3,064	1,93	303,011	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,214	304,29	1,265	384,94	----	0,963	0,275		
1	5,295	25,197	0,763	105,91	37,95	67,95	369,243	3,043	1,93	304,380	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,213	305,66	1,261	385,39	----	0,963	0,276		
1	5,305	25,460	0,789	106,10	38,05	68,05	372,560	3,111	1,93	307,339	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,212	308,63	1,268	391,42	----	0,963	0,276		
1	5,315	25,150	0,783	106,30	38,15	68,15	367,466	3,128	1,94	303,359	1,98	GRANULAR	Non Plastic	CHECK LIQUEF.	1,211	304,65	1,274	388,15	----	0,963	0,276		
1	5,325	25,608	0,791	106,50	38,25	68,25	373,637	3,102	1,93	308,679	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,210	309,97	1,266	392,36	----	0,963	0,276		
1	5,335	25,908	0,801	106,70	38,35	68,35	377,475	3,104	1,93	312,077	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,210	313,37	1,263	395,89	----	0,963	0,276		
1	5,345	26,187	0,795	106,90	38,45	68,45	381,006	3,048	1,92	315,225	1,96	GRANULAR	Non Plastic	CHECK LIQUEF.	1,209	316,52	1,253	396,54	----	0,963	0,276		
1	5,355	25,992	0,791	107,10	38,55	68,55	377,600	3,056	1,92	312,635	1,96	GRANULAR	Non Plastic	CHECK LIQUEF.	1,208	313,93	1,256	394,29	----	0,963	0,276		
1	5,365	26,261	0,945	107,30	38,65	68,65	380,974	3,612	1,99	315,657	2,03	GRANULAR	Non Plastic	CHECK LIQUEF.	1,207	316,95	1,335	423,06	----	0,963	0,276		
1	5,375	23,877	0,793	107,50	38,75	68,75	345,738	3,336	1,98	286,670	2,02	GRANULAR	Non Plastic	CHECK LIQUEF.	1,206	287,97	1,321	380,54	----	0,963	0,276		
1	5,385	26,224	0,822	107,70	38,85	68,85	379,327	3,146	1,94	314,749	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,205	316,05	1,267	400,47	----	0,963	0,276		
1	5,395	26,349	0,815	107,90	38,95	68,95	380,584	3,105	1,93	316,019	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,204	317,32	1,260	399,90	----	0,963	0,276		
1	5,405	26,160	0,837	108,10	39,05	69,05	377,300	3,213	1,94	313,519	1,98	GRANULAR	Non Plastic	CHECK LIQUEF.	1,203	314,82	1,278	402,29	----	0,962	0,277		
1	5,415	26,032	0,840	108,30	39,15	69,15	374,903	3,238	1,95	311,752	1,99	GRANULAR	Non Plastic	CHECK LIQUEF.	1,203	313,05	1,283	401,65	----	0,962	0,277		
1	5,425	25,840	0,802	108,50	39,25	69,25	371,589	3,115	1,94	309,219	1,97	GRANULAR	Non Plastic	CHECK LIQUEF.	1,202	310,52	1,267	393,52	----	0,962	0,277		
1	5,435	22,833	0,782	108,69	39,35	69,35	327,686	3,439	2,00	272,881	2,04	GRANULAR	Non Plastic	CHECK LIQUEF.	1,201	274,19	1,353	371,05	----	0,962	0,277		
1	5,445	25,433	0,800	108,89	39,45	69,45	364,650	3,161	1,94	303,880	1,98	GRANULAR	Non Plastic	CHECK LIQUEF.	1,200	305,19	1,278	390,17	----	0,962	0,277		
1	5,455	24,284	0,778	109,09	39,55	69,55	347,612	3,216	1,96	289,890	2,00	GRANULAR	Non Plastic	CHECK LIQUEF.	1,199	291,20	1,300	378,49	----	0,962	0,277		
1	5,465	24,763	0,776	109,29	39,65	69,65	353,978	3,147	1,95	295,410	1,99	GRANULAR	Non Plastic	CHECK LIQUEF.	1,198	296,72	1,284	381,00	----	0,962	0,277		
1	5,475	24,045	0,769	109,49	39,75	69,75	343,185	3,212	1,96	286,608	2,00	GRANULAR	Non Plastic	CHECK LIQUEF.	1,197	287,92	1,302	374,99	----	0,962	0,277		
1	5,485	23,907	0,768	109,69	39,85	69,85	340,716	3,228	1,97	284,749	2,01	GRANULAR	Non Plastic	CHECK LIQUEF.	1,197	286,06	1,307	373,81	----	0,962	0,277		
1	5,495	24,621	0,759	109,89	39,95	69,95	350,435	3,095	1,94	293,080	1,98	GRANULAR	Non Plastic	CHECK LIQUEF.	1,196	294,39	1,278	376,35	----	0,962	0,277		
1	5,504	24,712	0,757	110,09	40,04	70,04	351,232	3,077	1,94	293,956	1,98	GRANULAR	Non Plastic	CHECK LIQUEF.	1,195	295,27	1,275	376,47	----	0,962	0,277		
1	5,514	21,435	0,762	110,29	40,14	70,14	304,016	3,574	2,03	254,620	2,07	GRANULAR	Non Plastic	CHECK LIQUEF.	1,194	255,94	1,400	358,20	----	0,962	0,277		
1	5,524	24,746	0,769	110,49	40,24	70,24	350,710	3,121	1,95	293,935	1,99	GRANULAR	Non Plastic	CHECK LIQUEF.	1,193	295,25	1,282	378,37	----	0,962	0,278		
1	5,534	24,453	0,774	110,69	40,34	70,34	346,045	3,180	1,96	290,232	2,00	GRANULAR	Non Plastic	CHECK LIQUEF.	1,192	291,55	1,294	377,27	----	0,961	0,278		
1	5,544	24,119	0,774	110,89	40,44	70,44	340,820	3,224	1,97	286,052	2,00	GRANULAR	Non Plastic	CHECK LIQUEF.	1,191	287,37	1,305	374,95	----	0,961	0,278		
1	5,554	24,059	0,771	111,09	40,54	70,54	339,476	3,219	1,97	285,125	2,00	GRANULAR	Non Plastic	CHECK LIQUEF.	1,191	286,45	1,305	373,81	----	0,961	0,278		
1	5,564	24,224	0,765	111,28	40,64	70,64	341,331	3,171	1,96	286,885	2,00	GRANULAR	Non Plastic	CHECK LIQUEF.	1,190	288,21	1,296	373,48	----	0,961	0,278		
1	5,574	24,065	0,750	111,48	40,74	70,74	338,610	3,132	1,96	284,799	1,99	GRANULAR	Non Plastic	CHECK LIQUEF.	1,189	286,12	1,292	369,66	----	0,961	0,278		
1	5,584	23,809	0,747	111,68</																			

GU	Depth (m)	qc (MPa)	fs (MPa)	σ_v (kPa)	u (kPa)	σ'_v (kPa)	Q	F	lc (n=1)	lc (n=0.5)	lc (n=0.5)	Type	Behaviour	Liquefaction Potential	CQ	qc1N	Kc	(qc1N)cs	CRR7.5	Rd	CSR	7,5	6,5
1	5,674	12,902	0,698	113,48	41,74	71,74	178,261	5,459	2,31	150,984	2,34	GRANULAR	Non Plastic	CHECK LIQUEF.	1,181	152,32	2,100	319,89	---	0,960	0,279		
1	5,684	4,988	0,686	113,68	41,84	71,84	67,845	14,083	2,88	57,504	2,92	CLAYEY	Plastic	NO LIQUEFACTION	1,282	63,92	5,913	377,95	---	0,960	0,279	---	-10,00
1	5,694	12,255	0,650	113,87	41,94	71,94	168,773	5,352	2,31	143,147	2,35	GRANULAR	Non Plastic	CHECK LIQUEF.	1,179	144,49	2,121	306,43	---	0,960	0,279		
1	5,704	11,427	0,634	114,07	42,04	72,04	157,037	5,606	2,34	133,284	2,38	GRANULAR	Non Plastic	CHECK LIQUEF.	1,178	134,63	2,250	302,87	---	0,960	0,279		
1	5,714	10,804	0,602	114,27	42,14	72,14	148,181	5,628	2,36	125,855	2,40	GRANULAR	Non Plastic	CHECK LIQUEF.	1,177	127,20	2,312	294,08	---	0,960	0,279		
1	5,724	9,712	0,584	114,47	42,24	72,24	132,868	6,085	2,41	112,927	2,45	GRANULAR	Non Plastic	CHECK LIQUEF.	1,177	114,27	2,550	291,35	---	0,960	0,279		
1	5,734	8,995	0,556	114,67	42,34	72,34	122,766	6,259	2,44	104,413	2,48	GRANULAR	Non Plastic	CHECK LIQUEF.	1,176	105,76	2,691	284,61	---	0,960	0,279		
1	5,744	7,813	0,538	114,87	42,44	72,44	106,276	6,986	2,52	90,450	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,175	91,80	3,089	283,55	---	0,960	0,279		
1	5,754	7,547	0,500	115,07	42,54	72,54	102,459	6,727	2,51	87,262	2,56	GRANULAR	Non Plastic	CHECK LIQUEF.	1,174	88,61	3,067	271,75	---	0,960	0,279		
1	5,763	7,099	0,474	115,27	42,63	72,63	96,150	6,782	2,53	81,945	2,57	GRANULAR	Non Plastic	CHECK LIQUEF.	1,173	83,30	3,177	264,64	---	0,960	0,280		
1	5,773	6,974	0,413	115,47	42,73	72,73	94,302	6,028	2,50	80,425	2,54	GRANULAR	Non Plastic	CHECK LIQUEF.	1,173	81,78	2,976	243,35	---	0,960	0,280		
1	5,783	6,894	0,393	115,67	42,83	72,83	93,061	5,795	2,49	79,421	2,53	GRANULAR	Non Plastic	CHECK LIQUEF.	1,172	80,78	2,921	235,97	---	0,959	0,280		
1	5,793	6,974	0,342	115,87	42,93	72,93	94,039	4,980	2,43	80,310	2,48	GRANULAR	Non Plastic	CHECK LIQUEF.	1,171	81,67	2,645	216,04	---	0,959	0,280		
1	5,803	7,207	0,324	116,07	43,03	73,03	97,090	4,569	2,39	82,972	2,44	GRANULAR	Non Plastic	CHECK LIQUEF.	1,170	84,33	2,470	208,33	---	0,959	0,280		
1	5,813	7,304	0,315	116,27	43,13	73,13	98,290	4,385	2,38	84,056	2,42	GRANULAR	Non Plastic	CHECK LIQUEF.	1,169	85,42	2,395	204,56	---	0,959	0,280		
1	5,823	7,624	0,320	116,46	43,23	73,23	102,523	4,266	2,36	87,735	2,40	GRANULAR	Non Plastic	CHECK LIQUEF.	1,169	89,10	2,307	205,55	---	0,959	0,280		
1	5,833	7,816	0,321	116,66	43,33	73,33	104,998	4,166	2,34	89,914	2,38	GRANULAR	Non Plastic	CHECK LIQUEF.	1,168	91,28	2,248	205,22	---	0,959	0,280		
1	5,843	8,170	0,321	116,86	43,43	73,43	109,669	3,983	2,31	93,977	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	1,167	95,34	2,144	204,44	---	0,959	0,280		
1	5,853	8,493	0,346	117,06	43,53	73,53	113,914	4,130	2,32	97,682	2,36	GRANULAR	Non Plastic	CHECK LIQUEF.	1,166	99,05	2,150	212,97	---	0,959	0,280		
1	5,863	9,258	0,364	117,26	43,63	73,63	124,140	3,981	2,28	106,522	2,32	GRANULAR	Non Plastic	CHECK LIQUEF.	1,165	107,89	2,023	218,22	---	0,959	0,280		
1	5,873	9,837	0,404	117,46	43,73	73,73	131,826	4,156	2,28	113,194	2,32	GRANULAR	Non Plastic	CHECK LIQUEF.	1,165	114,56	2,017	231,11	---	0,959	0,280		
1	5,883	11,413	0,433	117,66	43,83	73,83	152,993	3,834	2,21	131,458	2,25	GRANULAR	Non Plastic	CHECK LIQUEF.	1,164	132,83	1,809	240,22	---	0,959	0,280		
1	5,893	12,184	0,509	117,86	43,93	73,93	163,215	4,216	2,23	140,336	2,27	GRANULAR	Non Plastic	CHECK LIQUEF.	1,163	141,71	1,857	263,08	---	0,959	0,280		
1	5,903	13,818	0,551	118,06	44,03	74,03	185,056	4,020	2,19	159,223	2,22	GRANULAR	Non Plastic	CHECK LIQUEF.	1,162	160,59	1,721	276,46	---	0,959	0,281		
1	5,913	14,774	0,634	118,26	44,13	74,13	197,707	4,324	2,20	170,222	2,23	GRANULAR	Non Plastic	CHECK LIQUEF.	1,161	171,60	1,747	299,83	---	0,958	0,281		
1	5,923	16,475	0,684	118,46	44,23	74,23	220,351	4,181	2,16	189,845	2,19	GRANULAR	Non Plastic	CHECK LIQUEF.	1,161	191,22	1,650	315,57	---	0,958	0,281		
1	5,933	17,185	0,761	118,66	44,33	74,33	229,613	4,462	2,17	197,957	2,21	GRANULAR	Non Plastic	CHECK LIQUEF.	1,160	199,33	1,685	335,82	---	0,958	0,281		
1	5,943	18,236	0,802	118,85	44,43	74,43	243,420	4,426	2,16	210,002	2,19	GRANULAR	Non Plastic	CHECK LIQUEF.	1,159	211,38	1,644	347,61	---	0,958	0,281		
1	5,953	18,677	0,886	119,05	44,53	74,53	249,012	4,775	2,18	214,969	2,21	GRANULAR	Non Plastic	CHECK LIQUEF.	1,158	216,35	1,701	367,98	---	0,958	0,281		
1	5,963	19,586	0,981	119,25	44,63	74,63	260,861	5,042	2,19	225,349	2,22	GRANULAR	Non Plastic	CHECK LIQUEF.	1,158	226,73	1,726	391,45	---	0,958	0,281		
1	5,973	20,098	1,005	119,45	44,73	74,73	267,361	5,029	2,19	231,118	2,22	GRANULAR	Non Plastic	CHECK LIQUEF.	1,157	232,50	1,710	397,54	---	0,958	0,281		
1	5,983	21,065	1,022	119,65	44,83	74,83	279,919	4,882	2,17	242,136	2,20	GRANULAR	Non Plastic	CHECK LIQUEF.	1,156	243,52	1,657	403,44	---	0,958	0,281		
1	5,993	21,506	1,034	119,85	44,93	74,93	285,433	4,835	2,16	247,069	2,19	GRANULAR	Non Plastic	CHECK LIQUEF.	1,155	248,45	1,638	406,88	---	0,958	0,281		
1	6,002	22,755	0,977	120,05	45,02	75,02	301,704	4,315	2,10	261,327	2,13	GRANULAR	Non Plastic	CHECK LIQUEF.	1,155	262,71	1,518	398,68	---	0,958	0,281		
1	6,012	23,227	0,981	120,25	45,12	75,12	307,578	4,246	2,09	266,591	2,12	GRANULAR	Non Plastic	CHECK LIQUEF.	1,154	267,98	1,497	401,18	---	0,958	0,281		
1	6,022	24,584	0,981	120,45	45,22	75,22	325,210	4,009	2,06	282,060	2,09	GRANULAR	Non Plastic	CHECK LIQUEF.	1,153	283,45	1,435	406,73	---	0,958	0,281		
1	6,032	22,419	1,035	120,65	45,32	75,32	296,029	4,644	2,13	256,921	2,16	GRANULAR	Non Plastic	CHECK LIQUEF.	1,152	258,31	1,584	409,10	---	0,957	0,281		
1	6,042	23,530	1,279	120,85	45,42	75,42	310,370	5,463	2,19	269,546	2,22	GRANULAR	Non Plastic	CHECK LIQUEF.	1,151	270,94	1,707	462,61	---	0,957	0,282		