

:: Cyclic Resistance Ratio (CRR) calculation data :: (continued)												
Point ID	Depth (ft)	q _r (tsf)	I _c	Fr (%)	n	Q _{tn}	K _c	Q _{tn,cs}	CRR _{7.5}	Belongs to trans. layer	Clay-like behaviour	FS
433	35.52	46.20	2.49	2.62	0.82	39.32	2.72	106.86	0.19	No	No	0.19
434	35.60	46.66	2.47	2.51	0.82	39.67	2.65	104.94	0.19	No	No	0.19
435	35.68	46.99	2.46	2.39	0.81	39.91	2.57	102.64	0.18	No	No	0.18
436	35.76	47.38	2.44	2.25	0.80	40.21	2.48	99.84	0.17	No	No	0.17
437	35.84	47.63	2.42	2.12	0.80	40.38	2.40	96.99	0.16	No	No	0.16
438	35.92	48.18	2.40	2.01	0.79	40.82	2.33	95.02	0.16	No	No	0.16
439	36.01	48.96	2.39	1.94	0.79	41.46	2.27	94.05	0.16	No	No	0.16
440	36.09	49.62	2.38	1.93	0.78	41.98	2.25	94.26	0.16	No	No	0.16
441	36.17	50.41	2.38	1.93	0.78	42.61	2.22	94.76	0.16	No	No	0.16
442	36.25	51.96	2.37	1.92	0.78	43.92	2.18	95.80	0.16	No	No	0.16
443	36.34	55.57	2.34	1.92	0.77	47.05	2.10	98.66	0.17	No	No	0.17
444	36.42	61.40	2.32	1.96	0.76	52.13	2.00	104.24	0.19	No	No	0.18
445	36.50	70.50	2.28	2.02	0.74	60.10	1.88	113.00	0.21	No	No	0.21
446	36.58	80.15	2.25	2.14	0.73	68.52	1.81	123.86	0.26	No	No	0.25
447	36.66	90.23	2.24	2.32	0.73	77.27	1.77	136.65	0.32	No	No	0.32
448	36.74	98.61	2.24	2.54	0.73	84.46	1.77	149.68	0.39	No	No	0.39
449	36.83	103.51	2.26	2.80	0.74	88.52	1.82	161.26	4.00	No	No	2.00
450	36.91	104.53	2.29	3.07	0.75	89.15	1.90	169.65	4.00	No	No	2.00
451	36.99	103.23	2.31	3.31	0.76	87.75	2.00	175.25	4.00	No	No	2.00
452	37.07	101.39	2.33	3.45	0.76	85.92	2.06	177.23	4.00	No	No	2.00
453	37.16	99.46	2.34	3.47	0.77	84.05	2.09	175.96	4.00	No	No	2.00
454	37.24	99.54	2.33	3.38	0.76	83.99	2.06	173.42	4.00	No	No	2.00
455	37.32	98.42	2.34	3.36	0.77	82.88	2.07	171.42	4.00	No	No	2.00
456	37.40	97.41	2.33	3.31	0.76	81.86	2.07	169.05	4.00	No	No	2.00
457	37.48	93.49	2.35	3.37	0.77	78.28	2.13	166.81	4.00	Yes	No	2.00
458	37.57	87.12	2.38	3.45	0.78	72.58	2.25	163.05	4.00	Yes	No	2.00
459	37.65	77.57	2.43	3.57	0.80	64.16	2.44	156.73	4.00	Yes	No	2.00
460	37.73	68.86	2.47	3.60	0.82	56.54	2.63	148.43	4.00	Yes	No	2.00
461	37.81	61.69	2.51	3.59	0.83	50.29	2.80	140.59	4.00	Yes	No	2.00
462	37.89	57.64	2.52	3.45	0.83	46.76	2.85	133.27	0.30	No	No	0.30
463	37.98	56.02	2.51	3.28	0.83	45.32	2.82	127.95	0.27	No	No	0.27
464	38.06	56.65	2.49	3.13	0.83	45.81	2.74	125.33	0.26	No	No	0.26
465	38.14	57.99	2.48	3.02	0.82	46.90	2.65	124.14	0.26	No	No	0.26
466	38.22	59.09	2.47	3.03	0.82	47.75	2.62	125.22	0.26	No	No	0.26
467	38.30	59.03	2.49	3.24	0.82	47.56	2.73	129.62	0.28	No	No	0.28
468	38.39	58.37	2.52	3.52	0.84	46.83	2.88	134.94	0.31	No	No	0.31
469	38.47	57.33	2.52	3.43	0.84	45.89	2.87	131.82	0.29	No	No	0.29
470	38.55	56.23	2.54	3.57	0.84	44.84	2.98	133.48	0.30	No	No	0.30
471	38.63	55.11	2.56	3.77	0.85	43.76	3.11	136.04	0.31	No	No	0.31
472	38.71	54.75	2.56	3.73	0.85	43.39	3.11	134.85	0.31	No	No	0.31
473	38.80	51.36	2.60	3.86	0.86	40.44	3.30	133.41	0.30	No	No	0.30
474	38.88	51.11	2.62	4.18	0.87	40.09	3.46	138.90	4.00	No	Yes	2.00
475	38.96	51.08	2.62	4.16	0.87	39.99	3.46	138.46	4.00	No	Yes	2.00
476	39.04	51.26	2.61	3.97	0.87	40.10	3.36	134.91	4.00	No	Yes	2.00
477	39.12	50.28	2.60	3.85	0.87	39.23	3.35	131.50	4.00	No	Yes	2.00
478	39.21	51.67	2.57	3.56	0.86	40.38	3.16	127.50	0.27	No	No	0.27
479	39.29	49.76	2.58	3.53	0.86	38.72	3.22	124.67	0.26	No	No	0.26
480	39.37	47.64	2.60	3.54	0.87	36.89	3.32	122.29	0.25	No	No	0.25

:: Cyclic Resistance Ratio (CRR) calculation data :: (continued)												
Point ID	Depth (ft)	q _r (tsf)	I _c	Fr (%)	n	Q _{tn}	K _c	Q _{tn,cs}	CRR _{7.5}	Belongs to trans. layer	Clay-like behaviour	FS
481	39.45	45.48	2.62	3.57	0.87	35.03	3.43	120.24	4.00	No	Yes	2.00
482	39.53	44.14	2.63	3.61	0.88	33.85	3.52	119.28	4.00	No	Yes	2.00
483	39.62	43.67	2.64	3.64	0.88	33.39	3.57	119.25	4.00	No	Yes	2.00
484	39.70	43.92	2.64	3.67	0.88	33.53	3.58	119.91	4.00	No	Yes	2.00
485	39.78	44.38	2.64	3.72	0.88	33.83	3.59	121.32	4.00	No	Yes	2.00
486	39.86	44.61	2.65	3.84	0.88	33.93	3.64	123.50	4.00	No	Yes	2.00
487	39.94	44.73	2.64	3.76	0.88	33.98	3.60	122.22	4.00	No	Yes	2.00
488	40.03	44.97	2.64	3.78	0.88	34.11	3.60	122.64	4.00	No	Yes	2.00
489	40.11	45.40	2.64	3.75	0.88	34.40	3.57	122.69	4.00	No	Yes	2.00
490	40.19	45.52	2.64	3.74	0.88	34.43	3.56	122.45	4.00	No	Yes	2.00
491	40.27	44.82	2.64	3.77	0.88	33.79	3.61	122.02	4.00	No	Yes	2.00
492	40.35	44.73	2.66	3.92	0.89	33.63	3.70	124.39	4.00	No	Yes	2.00
493	40.44	44.29	2.67	3.98	0.89	33.20	3.76	124.81	4.00	No	Yes	2.00
494	40.52	43.57	2.68	4.05	0.90	32.54	3.84	124.86	4.00	No	Yes	2.00
495	40.60	43.00	2.69	4.08	0.90	32.01	3.89	124.48	4.00	No	Yes	2.00
496	40.68	43.49	2.68	4.06	0.90	32.35	3.86	124.72	4.00	No	Yes	2.00
497	40.76	43.28	2.69	4.12	0.90	32.11	3.90	125.37	4.00	No	Yes	2.00
498	40.85	43.12	2.69	4.14	0.90	31.91	3.93	125.45	4.00	No	Yes	2.00
499	40.93	42.73	2.70	4.19	0.90	31.53	3.98	125.63	4.00	No	Yes	2.00
500	41.01	42.44	2.71	4.26	0.91	31.23	4.04	126.13	4.00	No	Yes	2.00
501	41.09	42.27	2.71	4.25	0.91	31.03	4.05	125.67	4.00	No	Yes	2.00
502	41.17	42.03	2.71	4.22	0.91	30.79	4.05	124.75	4.00	No	Yes	2.00
503	41.26	41.89	2.71	4.18	0.91	30.62	4.04	123.86	4.00	No	Yes	2.00
504	41.34	41.82	2.70	4.13	0.91	30.52	4.03	122.91	4.00	No	Yes	2.00
505	41.42	41.79	2.70	4.10	0.91	30.44	4.02	122.36	4.00	No	Yes	2.00
506	41.50	41.53	2.71	4.11	0.91	30.18	4.04	122.00	4.00	No	Yes	2.00
507	41.59	41.21	2.71	4.15	0.91	29.86	4.09	122.03	4.00	No	Yes	2.00
508	41.67	40.80	2.72	4.22	0.91	29.47	4.16	122.47	4.00	No	Yes	2.00
509	41.75	40.36	2.73	4.30	0.92	29.05	4.23	122.99	4.00	No	Yes	2.00
510	41.83	39.96	2.74	4.33	0.92	28.68	4.28	122.78	4.00	No	Yes	2.00
511	41.91	39.62	2.74	4.27	0.92	28.37	4.28	121.32	4.00	No	Yes	2.00
512	41.99	39.41	2.74	4.22	0.92	28.16	4.27	120.17	4.00	No	Yes	2.00
513	42.08	39.27	2.73	4.15	0.92	28.01	4.24	118.89	4.00	No	Yes	2.00
514	42.16	39.03	2.73	4.13	0.92	27.78	4.25	118.08	4.00	No	Yes	2.00
515	42.24	38.32	2.74	4.16	0.92	27.16	4.32	117.44	4.00	No	Yes	2.00
516	42.32	37.73	2.76	4.26	0.93	26.64	4.43	117.92	4.00	No	Yes	2.00
517	42.41	36.91	2.77	4.37	0.93	25.93	4.56	118.20	4.00	No	Yes	2.00
518	42.49	36.22	2.79	4.45	0.94	25.33	4.67	118.21	4.00	No	Yes	2.00
519	42.57	35.74	2.79	4.49	0.94	24.91	4.73	117.88	4.00	No	Yes	2.00
520	42.65	35.79	2.79	4.49	0.94	24.90	4.73	117.89	4.00	No	Yes	2.00
521	42.73	35.68	2.80	4.53	0.94	24.77	4.77	118.17	4.00	No	Yes	2.00
522	42.81	35.78	2.79	4.47	0.94	24.81	4.73	117.43	4.00	No	Yes	2.00
523	42.90	35.75	2.80	4.50	0.94	24.73	4.76	117.59	4.00	No	Yes	2.00
524	42.98	35.61	2.80	4.52	0.94	24.57	4.79	117.64	4.00	No	Yes	2.00
525	43.06	35.45	2.80	4.52	0.94	24.40	4.81	117.29	4.00	No	Yes	2.00
526	43.14	35.24	2.80	4.50	0.94	24.20	4.82	116.54	4.00	No	Yes	2.00
527	43.23	35.29	2.80	4.48	0.94	24.19	4.81	116.28	4.00	No	Yes	2.00
528	43.31	35.39	2.80	4.40	0.94	24.24	4.76	115.30	4.00	No	Yes	2.00

:: Cyclic Resistance Ratio (CRR) calculation data :: (continued)												
Point ID	Depth (ft)	q _r (tsf)	I _c	Fr (%)	n	Q _{tn}	K _c	Q _{tn,cs}	CRR _{7.5}	Belongs to trans. layer	Clay-like behaviour	FS
529	43.39	35.51	2.79	4.33	0.94	24.29	4.71	114.43	4.00	No	Yes	2.00
530	43.47	35.55	2.79	4.28	0.94	24.29	4.68	113.74	4.00	No	Yes	2.00
531	43.55	35.75	2.78	4.19	0.93	24.41	4.62	112.77	4.00	No	Yes	2.00
532	43.63	35.78	2.78	4.16	0.93	24.40	4.60	112.27	4.00	No	Yes	2.00
533	43.72	35.97	2.77	4.11	0.93	24.50	4.56	111.84	4.00	No	Yes	2.00
534	43.80	36.54	2.76	4.03	0.93	24.91	4.47	111.43	4.00	No	Yes	2.00
535	43.88	37.60	2.74	3.90	0.92	25.69	4.32	111.04	4.00	No	Yes	2.00
536	43.96	38.35	2.73	3.86	0.92	26.22	4.25	111.33	4.00	No	Yes	2.00
537	44.05	39.19	2.72	3.81	0.91	26.81	4.16	111.57	4.00	No	Yes	2.00
538	44.13	39.92	2.71	3.78	0.91	27.33	4.10	111.95	4.00	No	Yes	2.00
539	44.21	40.09	2.72	3.81	0.91	27.40	4.11	112.54	4.00	No	Yes	2.00
540	44.29	39.66	2.72	3.81	0.91	27.02	4.14	111.90	4.00	No	Yes	2.00
541	44.37	39.30	2.73	3.86	0.91	26.69	4.20	112.13	4.00	No	Yes	2.00
542	44.45	38.41	2.75	3.98	0.92	25.95	4.34	112.70	4.00	No	Yes	2.00
543	44.54	37.44	2.76	4.07	0.93	25.16	4.47	112.47	4.00	No	Yes	2.00
544	44.62	36.75	2.77	4.11	0.93	24.59	4.56	112.05	4.00	No	Yes	2.00
545	44.70	36.14	2.79	4.24	0.94	24.07	4.69	112.85	4.00	No	Yes	2.00
546	44.78	36.02	2.79	4.25	0.94	23.94	4.71	112.63	4.00	No	Yes	2.00
547	44.87	36.41	2.78	4.17	0.94	24.19	4.63	112.12	4.00	No	Yes	2.00
548	44.95	36.87	2.78	4.15	0.93	24.49	4.59	112.34	4.00	No	Yes	2.00
549	45.03	37.24	2.77	4.16	0.93	24.72	4.57	112.97	4.00	No	Yes	2.00
550	45.11	37.61	2.73	3.58	0.91	25.08	4.19	105.21	4.00	No	Yes	2.00
551	45.19	37.74	2.73	3.65	0.92	25.12	4.23	106.23	4.00	No	Yes	2.00
552	45.28	37.82	2.74	3.76	0.92	25.11	4.30	107.86	4.00	No	Yes	2.00
553	45.36	38.13	2.74	3.83	0.92	25.27	4.32	109.21	4.00	No	Yes	2.00
554	45.44	35.41	2.80	4.19	0.94	23.15	4.76	110.26	4.00	No	Yes	2.00
555	45.52	36.08	2.83	4.75	0.95	23.49	5.03	118.27	4.00	No	Yes	2.00
556	45.60	36.91	2.81	4.63	0.95	24.08	4.90	117.97	4.00	No	Yes	2.00
557	45.69	38.21	2.79	4.41	0.94	25.02	4.67	116.98	4.00	No	Yes	2.00
558	45.77	38.98	2.77	4.25	0.93	25.58	4.53	115.90	4.00	No	Yes	2.00
559	45.85	42.45	2.71	3.85	0.91	28.17	4.06	114.45	4.00	No	Yes	2.00
560	45.93	42.45	2.66	3.23	0.89	28.30	3.70	104.62	4.00	No	Yes	2.00
561	46.01	42.14	2.66	3.20	0.89	28.04	3.70	103.81	4.00	No	Yes	2.00
562	46.10	41.46	2.67	3.24	0.89	27.47	3.77	103.61	4.00	No	Yes	2.00
563	46.18	41.29	2.67	3.26	0.89	27.30	3.80	103.68	4.00	No	Yes	2.00
564	46.26	38.10	2.73	3.57	0.92	24.83	4.21	104.62	4.00	No	Yes	2.00
565	46.34	38.51	2.77	4.20	0.93	24.93	4.57	113.91	4.00	No	Yes	2.00
566	46.42	39.31	2.76	4.15	0.93	25.48	4.48	114.21	4.00	No	Yes	2.00
567	46.51	40.28	2.75	4.04	0.92	26.16	4.35	113.92	4.00	No	Yes	2.00
568	46.59	41.31	2.73	3.92	0.92	26.90	4.22	113.38	4.00	No	Yes	2.00
569	46.67	46.26	2.65	3.48	0.89	30.58	3.67	112.29	4.00	No	Yes	2.00
570	46.75	48.19	2.63	3.42	0.88	31.96	3.54	113.30	4.00	No	Yes	2.00
571	46.83	51.84	2.60	3.28	0.86	34.64	3.30	114.42	0.22	No	No	0.22
572	46.92	53.21	2.59	3.32	0.86	35.57	3.27	116.36	0.23	No	No	0.23
573	47.00	53.61	2.60	3.45	0.87	35.75	3.33	119.10	4.00	No	Yes	2.00
574	47.08	53.64	2.61	3.54	0.87	35.68	3.38	120.58	4.00	No	Yes	2.00
575	47.16	53.47	2.61	3.53	0.87	35.50	3.39	120.27	4.00	No	Yes	2.00
576	47.24	51.53	2.63	3.58	0.88	34.01	3.50	118.98	4.00	No	Yes	2.00

:: Cyclic Resistance Ratio (CRR) calculation data :: (continued)												
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577	47.33	52.49	2.61	3.43	0.87	34.71	3.38	117.33	4.00	Yes	Yes	2.00
578	47.41	57.27	2.54	3.00	0.84	38.34	2.97	113.69	4.00	Yes	No	2.00
579	47.49	63.10	2.47	2.67	0.82	42.77	2.61	111.69	4.00	Yes	No	2.00
580	47.57	67.59	2.43	2.51	0.80	46.15	2.42	111.64	4.00	Yes	No	2.00
581	47.65	70.36	2.41	2.49	0.79	48.15	2.35	113.27	0.22	No	No	0.22
582	47.74	71.71	2.41	2.52	0.79	49.06	2.34	114.90	0.22	No	No	0.23
583	47.82	70.01	2.44	2.71	0.80	47.58	2.48	117.80	0.23	No	No	0.24
584	47.90	67.69	2.47	2.91	0.82	45.65	2.64	120.32	0.24	No	No	0.25
585	47.98	66.81	2.49	3.07	0.83	44.84	2.74	122.82	0.25	No	No	0.26
586	48.06	67.36	2.50	3.15	0.83	45.12	2.77	124.82	0.26	No	No	0.27
587	48.15	68.31	2.51	3.25	0.83	45.67	2.80	127.73	0.27	No	No	0.28
588	48.23	69.40	2.51	3.33	0.83	46.34	2.81	130.29	0.29	No	No	0.29
589	48.31	69.62	2.52	3.43	0.83	46.37	2.85	132.36	0.30	No	No	0.30
590	48.39	69.21	2.53	3.50	0.84	45.96	2.90	133.28	0.30	No	No	0.31
591	48.47	68.85	2.53	3.49	0.84	45.64	2.91	132.69	0.30	No	No	0.30
592	48.56	67.69	2.52	3.33	0.84	44.81	2.87	128.44	0.28	No	No	0.28
593	48.64	65.31	2.52	3.26	0.84	43.08	2.90	124.74	0.26	No	No	0.27
594	48.72	61.93	2.54	3.25	0.84	40.58	2.99	121.51	0.25	No	No	0.25
595	48.80	58.36	2.56	3.25	0.85	37.96	3.11	118.17	0.23	No	No	0.24
596	48.88	53.95	2.60	3.36	0.87	34.70	3.34	115.97	4.00	No	Yes	2.00
597	48.97	50.72	2.64	3.55	0.88	32.27	3.59	115.93	4.00	No	Yes	2.00
598	49.05	48.43	2.67	3.63	0.89	30.58	3.75	114.73	4.00	No	Yes	2.00
599	49.13	47.23	2.67	3.61	0.89	29.69	3.81	113.10	4.00	No	Yes	2.00
600	49.21	46.46	2.67	3.54	0.89	29.13	3.82	111.12	4.00	No	Yes	2.00
601	49.30	46.41	2.67	3.48	0.89	29.07	3.79	110.03	4.00	No	Yes	2.00
602	49.38	46.06	2.67	3.46	0.89	28.79	3.79	109.21	4.00	No	Yes	2.00
603	49.46	45.66	2.68	3.47	0.90	28.45	3.83	108.93	4.00	No	Yes	2.00
604	49.54	45.22	2.68	3.51	0.90	28.09	3.88	109.02	4.00	No	Yes	2.00
605	49.62	44.98	2.69	3.59	0.90	27.85	3.94	109.81	4.00	No	Yes	2.00
606	49.70	44.72	2.70	3.61	0.90	27.62	3.98	109.84	4.00	No	Yes	2.00
607	49.79	44.21	2.70	3.64	0.91	27.20	4.03	109.68	4.00	No	Yes	2.00
608	49.87	43.64	2.71	3.66	0.91	26.76	4.08	109.16	4.00	No	Yes	2.00
609	49.95	43.07	2.71	3.58	0.91	26.35	4.07	107.23	4.00	No	Yes	2.00
610	50.03	42.07	2.72	3.59	0.91	25.62	4.15	106.23	4.00	No	Yes	2.00
611	50.12	41.17	2.73	3.62	0.92	24.95	4.23	105.55	4.00	No	Yes	2.00
612	50.20	40.75	2.74	3.62	0.92	24.62	4.26	104.98	4.00	No	Yes	2.00
613	50.28	40.32	2.74	3.60	0.92	24.29	4.29	104.12	4.00	No	Yes	2.00
614	50.36	40.50	2.74	3.61	0.92	24.37	4.28	104.41	4.00	No	Yes	2.00
615	50.44	41.24	2.72	3.51	0.91	24.87	4.17	103.77	4.00	No	Yes	2.00
616	50.52	42.19	2.70	3.38	0.91	25.53	4.03	102.87	4.00	No	Yes	2.00
617	50.61	43.16	2.68	3.24	0.90	26.20	3.88	101.65	4.00	No	Yes	2.00
618	50.69	44.47	2.64	2.89	0.88	27.20	3.58	97.40	4.00	No	Yes	2.00
619	50.77	45.51	2.62	2.77	0.87	27.94	3.44	96.21	4.00	No	Yes	2.00
620	50.85	46.35	2.60	2.69	0.87	28.52	3.35	95.58	4.00	No	Yes	2.00
621	50.94	46.85	2.60	2.64	0.86	28.84	3.30	95.12	4.00	No	No	2.00
622	51.02	44.44	2.63	2.79	0.88	27.06	3.53	95.48	4.00	No	Yes	2.00
623	51.10	44.43	2.65	3.01	0.89	26.92	3.67	98.93	4.00	No	Yes	2.00
624	51.18	44.38	2.66	3.03	0.89	26.83	3.70	99.24	4.00	No	Yes	2.00

:: Cyclic Resistance Ratio (CRR) calculation data :: (continued)												
Point ID	Depth (ft)	q _r (tsf)	I _c	Fr (%)	n	Q _{tn}	K _c	Q _{tn,cs}	CRR _{7.5}	Belongs to trans. layer	Clay-like behaviour	FS
625	51.26	44.05	2.66	3.03	0.89	26.57	3.72	98.89	4.00	No	Yes	2.00
626	51.34	43.70	2.66	3.00	0.89	26.30	3.73	97.98	4.00	No	Yes	2.00
627	51.43	45.76	2.62	2.77	0.87	27.77	3.46	96.03	4.00	No	Yes	2.00
628	51.51	45.20	2.62	2.73	0.87	27.37	3.46	94.76	4.00	No	Yes	2.00
629	51.59	44.75	2.62	2.69	0.87	27.04	3.46	93.64	4.00	No	Yes	2.00
630	51.67	44.55	2.62	2.65	0.87	26.88	3.45	92.77	4.00	No	Yes	2.00
631	51.76	44.20	2.62	2.63	0.87	26.61	3.46	92.01	4.00	No	Yes	2.00
632	51.84	44.46	2.62	2.60	0.87	26.77	3.43	91.68	4.00	No	Yes	2.00
633	51.92	44.60	2.61	2.55	0.87	26.84	3.39	90.99	4.00	No	Yes	2.00
634	52.00	44.39	2.61	2.53	0.87	26.67	3.39	90.39	4.00	No	Yes	2.00
635	52.08	44.17	2.61	2.50	0.87	26.50	3.38	89.59	4.00	No	Yes	2.00
636	52.16	44.33	2.60	2.42	0.87	26.61	3.32	88.40	4.00	No	No	2.00
637	52.25	44.01	2.60	2.41	0.87	26.36	3.33	87.77	4.00	No	Yes	2.00
638	52.33	43.65	2.60	2.41	0.87	26.08	3.35	87.45	4.00	No	Yes	2.00
639	52.41	43.43	2.61	2.42	0.87	25.88	3.38	87.52	4.00	No	Yes	2.00
640	52.49	43.01	2.62	2.48	0.87	25.53	3.45	88.02	4.00	No	Yes	2.00
641	52.58	42.90	2.63	2.54	0.88	25.39	3.51	89.00	4.00	No	Yes	2.00
642	52.66	43.27	2.63	2.56	0.88	25.60	3.50	89.47	4.00	No	Yes	2.00
643	52.74	44.31	2.61	2.52	0.87	26.28	3.41	89.67	4.00	No	Yes	2.00
644	52.82	46.30	2.58	2.41	0.86	27.65	3.24	89.44	4.00	No	No	2.00
645	52.90	48.73	2.53	2.11	0.84	29.45	2.91	85.79	4.00	No	No	2.00
646	52.99	50.42	2.51	2.06	0.83	30.60	2.81	85.90	4.00	No	No	2.00
647	53.07	51.17	2.50	2.07	0.83	31.07	2.79	86.73	4.00	No	No	2.00
648	53.15	50.90	2.52	2.15	0.83	30.78	2.86	87.96	4.00	No	No	2.00
649	53.23	47.27	2.58	2.41	0.86	28.11	3.20	89.94	4.00	No	No	2.00
650	53.31	45.34	2.64	2.78	0.88	26.57	3.56	94.64	4.00	No	Yes	2.00
651	53.40	43.28	2.67	2.97	0.89	25.08	3.82	95.67	4.00	No	Yes	2.00
652	53.48	41.22	2.71	3.11	0.91	23.62	4.05	95.68	4.00	No	Yes	2.00
653	53.56	39.28	2.73	3.18	0.92	22.28	4.25	94.61	4.00	No	Yes	2.00
654	53.64	39.48	2.71	2.99	0.91	22.45	4.10	92.05	4.00	No	Yes	2.00
655	53.72	37.43	2.73	2.97	0.92	21.09	4.24	89.46	4.00	No	Yes	2.00
656	53.81	35.69	2.74	2.88	0.92	19.95	4.33	86.33	4.00	No	Yes	2.00
657	53.89	34.47	2.74	2.74	0.92	19.18	4.33	83.05	4.00	No	Yes	2.00
658	53.97	33.36	2.75	2.63	0.92	18.47	4.35	80.36	4.00	No	Yes	2.00
659	54.05	32.46	2.75	2.59	0.92	17.87	4.41	78.74	4.00	No	Yes	2.00
660	54.13	31.82	2.76	2.55	0.93	17.44	4.44	77.50	4.00	No	Yes	2.00
661	54.22	31.53	2.76	2.52	0.93	17.23	4.46	76.84	4.00	No	Yes	2.00
662	54.30	31.56	2.76	2.52	0.93	17.23	4.45	76.70	4.00	No	Yes	2.00
663	54.38	32.42	2.74	2.45	0.92	17.79	4.31	76.60	4.00	No	Yes	2.00
664	54.46	33.41	2.71	2.32	0.91	18.45	4.11	75.74	4.00	No	Yes	2.00
665	54.54	34.21	2.70	2.24	0.90	18.98	3.97	75.37	4.00	No	Yes	2.00
666	54.63	34.57	2.69	2.23	0.90	19.19	3.94	75.51	4.00	No	Yes	2.00
667	54.71	34.42	2.69	2.23	0.90	19.07	3.94	75.21	4.00	No	Yes	2.00
668	54.79	34.62	2.69	2.18	0.90	19.19	3.89	74.62	4.00	No	Yes	2.00
669	54.87	35.06	2.68	2.18	0.90	19.45	3.86	75.02	4.00	No	Yes	2.00
670	54.95	36.29	2.66	2.13	0.89	20.25	3.72	75.37	4.00	No	Yes	2.00
671	55.04	38.22	2.63	2.07	0.88	21.52	3.53	75.87	4.00	No	Yes	2.00
672	55.12	41.03	2.60	2.01	0.86	23.37	3.30	77.13	4.00	No	No	2.00

:: Cyclic Resistance Ratio (CRR) calculation data :: (continued)												
Point ID	Depth (ft)	q _r (tsf)	I _c	Fr (%)	n	Q _{tn}	K _c	Q _{tn,cs}	CRR _{7.5}	Belongs to trans. layer	Clay-like behaviour	FS
673	55.20	43.42	2.56	1.89	0.85	25.00	3.06	76.61	4.00	No	No	2.00
674	55.28	46.06	2.53	1.86	0.84	26.75	2.91	77.91	4.00	No	No	2.00
675	55.36	48.56	2.51	1.85	0.83	28.39	2.80	79.43	4.00	No	No	2.00
676	55.45	51.20	2.48	1.83	0.82	30.14	2.68	80.83	4.00	No	No	2.00
677	55.53	52.31	2.48	1.88	0.82	30.81	2.67	82.38	4.00	No	No	2.00
678	55.61	54.88	2.48	1.96	0.82	32.42	2.65	85.83	4.00	No	No	2.00
679	55.69	57.15	2.46	1.97	0.81	33.89	2.58	87.36	4.00	No	No	2.00
680	55.77	59.32	2.45	1.99	0.81	35.29	2.53	89.20	4.00	No	No	2.00
681	55.86	61.09	2.45	2.03	0.81	36.39	2.51	91.22	4.00	No	No	2.00
682	55.94	63.25	2.44	2.07	0.80	37.75	2.47	93.40	4.00	No	No	2.00
683	56.02	62.84	2.46	2.18	0.81	37.31	2.56	95.43	4.00	Yes	No	2.00
684	56.10	61.67	2.49	2.39	0.82	36.30	2.72	98.73	4.00	Yes	No	2.00
685	56.18	60.02	2.53	2.60	0.84	34.97	2.90	101.57	4.00	Yes	No	2.00
686	56.27	58.17	2.57	2.84	0.85	33.53	3.12	104.64	4.00	Yes	No	2.00
687	56.35	56.15	2.61	3.10	0.87	32.00	3.36	107.55	4.00	Yes	Yes	2.00
688	56.43	55.53	2.63	3.30	0.88	31.44	3.51	110.39	4.00	No	Yes	2.00
689	56.51	55.23	2.64	3.41	0.88	31.15	3.59	111.83	4.00	No	Yes	2.00
690	56.59	54.63	2.65	3.50	0.89	30.66	3.68	112.77	4.00	No	Yes	2.00
691	56.68	53.65	2.66	3.53	0.89	29.98	3.75	112.29	4.00	No	Yes	2.00
692	56.76	53.06	2.66	3.45	0.89	29.60	3.73	110.29	4.00	No	Yes	2.00
693	56.84	51.28	2.67	3.42	0.89	28.44	3.80	108.02	4.00	No	Yes	2.00
694	56.92	49.52	2.68	3.37	0.90	27.32	3.86	105.46	4.00	No	Yes	2.00
695	57.01	47.79	2.69	3.27	0.90	26.23	3.90	102.26	4.00	No	Yes	2.00
696	57.09	47.51	2.67	3.09	0.89	26.11	3.79	99.08	4.00	No	Yes	2.00
697	57.17	46.32	2.68	3.02	0.89	25.36	3.82	96.90	4.00	No	Yes	2.00
698	57.25	45.47	2.67	2.92	0.89	24.83	3.81	94.57	4.00	No	Yes	2.00
699	57.33	44.58	2.67	2.83	0.89	24.28	3.80	92.24	4.00	No	Yes	2.00
700	57.41	43.99	2.67	2.74	0.89	23.92	3.77	90.25	4.00	No	Yes	2.00
701	57.50	42.21	2.68	2.73	0.90	22.77	3.88	88.39	4.00	No	Yes	2.00
702	57.58	41.50	2.68	2.64	0.90	22.33	3.87	86.39	4.00	No	Yes	2.00
703	57.66	40.82	2.68	2.57	0.90	21.91	3.87	84.72	4.00	No	Yes	2.00
704	57.74	40.27	2.68	2.51	0.90	21.57	3.86	83.19	4.00	No	Yes	2.00
705	57.83	39.61	2.68	2.46	0.90	21.15	3.87	81.78	4.00	No	Yes	2.00
706	57.91	39.05	2.68	2.43	0.90	20.79	3.89	80.78	4.00	No	Yes	2.00
707	57.99	38.79	2.68	2.39	0.90	20.61	3.88	80.00	4.00	No	Yes	2.00
708	58.07	38.50	2.68	2.35	0.90	20.42	3.87	79.12	4.00	No	Yes	2.00
709	58.15	38.15	2.68	2.32	0.90	20.19	3.88	78.26	4.00	No	Yes	2.00
710	58.23	37.84	2.68	2.30	0.90	19.98	3.89	77.69	4.00	No	Yes	2.00
711	58.32	37.37	2.69	2.28	0.90	19.67	3.91	76.91	4.00	No	Yes	2.00
712	58.40	36.69	2.70	2.28	0.90	19.22	3.97	76.26	4.00	No	Yes	2.00
713	58.48	36.02	2.71	2.29	0.91	18.78	4.03	75.73	4.00	No	Yes	2.00
714	58.56	35.41	2.71	2.30	0.91	18.36	4.11	75.38	4.00	No	Yes	2.00
715	58.65	34.89	2.73	2.33	0.91	18.00	4.18	75.30	4.00	No	Yes	2.00
716	58.73	34.64	2.74	2.40	0.92	17.79	4.27	76.02	4.00	No	Yes	2.00
717	58.81	34.71	2.74	2.46	0.92	17.79	4.31	76.76	4.00	No	Yes	2.00
718	58.89	35.09	2.74	2.51	0.92	17.98	4.33	77.81	4.00	No	Yes	2.00
719	58.97	35.48	2.75	2.57	0.92	18.16	4.35	78.95	4.00	No	Yes	2.00
720	59.05	35.84	2.75	2.65	0.92	18.33	4.39	80.36	4.00	No	Yes	2.00

:: Cyclic Resistance Ratio (CRR) calculation data :: (continued)												
Point ID	Depth (ft)	q _t (tsf)	I _c	Fr (%)	n	Q _{tn}	K _c	Q _{tn,cs}	CRR _{7.5}	Belongs to trans. layer	Clay-like behaviour	FS
721	59.14	36.34	2.75	2.68	0.92	18.59	4.37	81.24	4.00	No	Yes	2.00
722	59.22	36.57	2.75	2.73	0.92	18.69	4.39	82.09	4.00	No	Yes	2.00
723	59.30	36.49	2.76	2.79	0.93	18.59	4.45	82.73	4.00	No	Yes	2.00
724	59.38	36.82	2.76	2.79	0.93	18.76	4.43	83.04	4.00	No	Yes	2.00
725	59.47	37.43	2.74	2.72	0.92	19.13	4.33	82.76	4.00	No	Yes	2.00
726	59.55	37.95	2.73	2.66	0.92	19.45	4.24	82.39	4.00	No	Yes	2.00
727	59.63	39.03	2.71	2.56	0.91	20.12	4.07	81.92	4.00	No	Yes	2.00
728	59.71	40.47	2.68	2.46	0.90	21.03	3.88	81.62	4.00	No	Yes	2.00
729	59.79	41.83	2.67	2.42	0.89	21.86	3.76	82.15	4.00	No	Yes	2.00
730	59.88	43.23	2.65	2.41	0.89	22.70	3.66	83.09	4.00	No	Yes	2.00
731	59.96	44.67	2.64	2.42	0.88	23.55	3.58	84.37	4.00	No	Yes	2.00
732	60.04	45.65	2.64	2.46	0.88	24.09	3.57	85.89	4.00	No	Yes	2.00
733	60.12	46.48	2.64	2.50	0.88	24.55	3.55	87.17	4.00	No	Yes	2.00
734	60.20	47.18	2.63	2.51	0.88	24.94	3.52	87.86	4.00	No	Yes	2.00
735	60.28	47.62	2.63	2.50	0.88	25.18	3.49	87.87	4.00	No	Yes	2.00
736	60.37	47.68	2.63	2.49	0.88	25.19	3.48	87.78	4.00	No	Yes	2.00
737	60.45	47.67	2.62	2.48	0.88	25.16	3.48	87.58	4.00	No	Yes	2.00
738	60.53	47.48	2.63	2.49	0.88	25.00	3.50	87.47	4.00	No	Yes	2.00
739	60.61	46.94	2.63	2.50	0.88	24.63	3.54	87.24	4.00	No	Yes	2.00
740	60.70	46.58	2.64	2.51	0.88	24.38	3.57	86.99	4.00	No	Yes	2.00
741	60.78	46.63	2.63	2.46	0.88	24.40	3.54	86.26	4.00	No	Yes	2.00
742	60.86	46.97	2.62	2.40	0.88	24.62	3.47	85.46	4.00	No	Yes	2.00
743	60.94	47.84	2.60	2.28	0.87	25.19	3.34	84.17	4.00	No	Yes	2.00
744	61.02	49.60	2.57	2.15	0.85	26.37	3.15	83.06	4.00	No	No	2.00
745	61.11	51.67	2.54	2.06	0.84	27.69	3.00	82.93	4.00	No	No	2.00
746	61.19	53.85	2.53	2.08	0.84	29.00	2.92	84.68	4.00	No	No	2.00
747	61.27	56.04	2.52	2.15	0.84	30.26	2.89	87.37	4.00	No	No	2.00
748	61.35	57.57	2.53	2.29	0.84	31.05	2.93	91.02	4.00	No	No	2.00
749	61.43	58.23	2.55	2.47	0.85	31.26	3.03	94.77	4.00	No	No	2.00
750	61.52	58.49	2.57	2.65	0.85	31.23	3.15	98.25	4.00	No	No	2.00
751	61.60	58.21	2.59	2.80	0.86	30.89	3.26	100.71	4.00	No	No	2.00
752	61.68	57.54	2.61	2.94	0.87	30.34	3.37	102.38	4.00	No	Yes	2.00
753	61.76	57.23	2.60	2.83	0.87	30.19	3.32	100.34	4.00	No	No	2.00
754	61.84	57.56	2.60	2.83	0.87	30.35	3.31	100.40	4.00	No	No	2.00
755	61.93	58.30	2.59	2.78	0.86	30.79	3.25	100.21	4.00	No	No	2.00
756	62.01	59.54	2.57	2.71	0.86	31.58	3.16	99.87	4.00	No	No	2.00
757	62.09	58.77	2.58	2.75	0.86	31.04	3.22	99.88	4.00	No	No	2.00
758	62.17	60.03	2.59	2.86	0.86	31.66	3.25	102.78	4.00	No	No	2.00
759	62.25	60.84	2.59	2.89	0.86	32.08	3.24	103.90	4.00	No	No	2.00
760	62.34	60.88	2.59	2.97	0.86	32.01	3.29	105.20	4.00	No	No	2.00
761	62.42	60.28	2.61	3.07	0.87	31.53	3.37	106.34	4.00	No	Yes	2.00
762	62.50	61.73	2.57	2.80	0.85	32.58	3.16	102.81	4.00	No	No	2.00
763	62.58	61.00	2.58	2.84	0.86	32.07	3.21	102.90	4.00	No	No	2.00
764	62.66	60.21	2.59	2.87	0.86	31.51	3.26	102.73	4.00	No	No	2.00
765	62.75	59.85	2.59	2.86	0.86	31.27	3.27	102.22	4.00	No	No	2.00
766	62.83	56.91	2.62	3.00	0.88	29.36	3.48	102.17	4.00	No	Yes	2.00
767	62.91	57.09	2.65	3.22	0.88	29.28	3.62	105.93	4.00	No	Yes	2.00
768	62.99	57.47	2.64	3.21	0.88	29.47	3.60	106.05	4.00	No	Yes	2.00

:: Cyclic Resistance Ratio (CRR) calculation data :: (continued)												
Point ID	Depth (ft)	q _r (tsf)	I _c	Fr (%)	n	Q _{tn}	K _c	Q _{tn,cs}	CRR _{7.5}	Belongs to trans. layer	Clay-like behaviour	FS
769	63.07	57.98	2.64	3.19	0.88	29.74	3.56	106.04	4.00	No	Yes	2.00
770	63.16	58.49	2.63	3.19	0.88	30.01	3.55	106.40	4.00	No	Yes	2.00
771	63.24	62.24	2.59	3.02	0.86	32.32	3.30	106.52	4.00	No	No	2.00
772	63.32	63.01	2.59	3.03	0.86	32.73	3.28	107.30	4.00	No	No	2.00
773	63.40	63.58	2.59	3.08	0.86	32.99	3.29	108.54	4.00	No	No	2.00
774	63.48	64.11	2.60	3.13	0.87	33.22	3.31	109.81	4.00	No	No	2.00
775	63.57	64.59	2.60	3.19	0.87	33.42	3.32	111.05	4.00	No	No	2.00
776	63.65	65.09	2.60	3.24	0.87	33.63	3.34	112.35	4.00	No	Yes	2.00
777	63.73	65.67	2.61	3.30	0.87	33.88	3.36	113.85	4.00	No	Yes	2.00
778	63.81	65.96	2.61	3.39	0.87	33.94	3.40	115.43	4.00	No	Yes	2.00
779	63.89	65.94	2.62	3.48	0.87	33.82	3.46	116.97	4.00	No	Yes	2.00
780	63.98	65.60	2.63	3.55	0.88	33.52	3.52	117.85	4.00	No	Yes	2.00
781	64.06	64.67	2.62	3.43	0.88	33.02	3.48	114.84	4.00	No	Yes	2.00
782	64.14	63.36	2.63	3.43	0.88	32.21	3.53	113.77	4.00	No	Yes	2.00
783	64.22	62.34	2.63	3.38	0.88	31.60	3.54	111.95	4.00	No	Yes	2.00
784	64.30	61.64	2.63	3.27	0.88	31.23	3.51	109.62	4.00	No	Yes	2.00
785	64.39	58.07	2.66	3.32	0.89	29.07	3.69	107.33	4.00	No	Yes	2.00
786	64.47	57.63	2.67	3.40	0.89	28.73	3.76	108.13	4.00	No	Yes	2.00
787	64.55	57.49	2.66	3.27	0.89	28.69	3.69	105.95	4.00	No	Yes	2.00
788	64.63	57.50	2.64	3.14	0.88	28.75	3.61	103.73	4.00	No	Yes	2.00
789	64.72	57.35	2.64	3.04	0.88	28.69	3.56	101.99	4.00	No	Yes	2.00
790	64.80	60.19	2.60	2.84	0.86	30.48	3.31	100.83	4.00	No	No	2.00
791	64.88	60.14	2.57	2.59	0.85	30.62	3.15	96.34	4.00	No	No	2.00
792	64.96	59.92	2.57	2.60	0.86	30.44	3.17	96.36	4.00	No	No	2.00
793	65.04	59.39	2.58	2.65	0.86	30.05	3.22	96.82	4.00	No	No	2.00
794	65.13	58.94	2.59	2.69	0.86	29.71	3.27	97.11	4.00	No	No	2.00
795	65.21	55.39	2.63	2.87	0.88	27.45	3.55	97.35	4.00	No	Yes	2.00
796	65.29	55.21	2.66	3.11	0.89	27.15	3.72	100.98	4.00	No	Yes	2.00
797	65.37	55.15	2.66	3.11	0.89	27.08	3.73	100.90	4.00	No	Yes	2.00
798	65.45	55.23	2.66	3.11	0.89	27.09	3.72	100.90	4.00	No	Yes	2.00
799	65.53	55.40	2.66	3.10	0.89	27.16	3.71	100.84	4.00	No	Yes	2.00
800	65.62	58.69	2.59	2.67	0.86	29.37	3.28	96.23	4.00	No	No	2.00
801	65.70	58.39	2.57	2.47	0.86	29.32	3.16	92.60	4.00	No	No	2.00
802	65.78	57.74	2.55	2.29	0.85	29.06	3.06	88.90	4.00	No	No	2.00
803	65.86	56.73	2.55	2.24	0.85	28.48	3.06	87.19	4.00	No	No	2.00
804	65.94	52.12	2.61	2.38	0.87	25.63	3.37	86.50	4.00	No	Yes	2.00
805	66.03	47.75	2.70	2.93	0.91	22.71	4.03	91.54	4.00	No	Yes	2.00
806	66.11	43.94	2.79	3.51	0.94	20.26	4.72	95.66	4.00	No	Yes	2.00
807	66.19	42.58	2.84	3.93	0.96	19.32	5.13	99.07	4.00	No	Yes	2.00
808	66.27	42.09	2.86	4.10	0.96	18.96	5.29	100.40	4.00	No	Yes	2.00
809	66.36	45.23	2.81	3.86	0.95	20.74	4.88	101.17	4.00	No	Yes	2.00
810	66.44	48.21	2.77	3.61	0.93	22.46	4.50	101.03	4.00	No	Yes	2.00
811	66.52	50.80	2.73	3.43	0.92	23.96	4.21	101.00	4.00	No	Yes	2.00
812	66.60	51.26	2.72	3.38	0.91	24.21	4.16	100.79	4.00	No	Yes	2.00
813	66.68	51.23	2.70	3.17	0.91	24.28	4.02	97.69	4.00	No	Yes	2.00
814	66.77	51.24	2.69	3.05	0.90	24.33	3.94	95.80	4.00	No	Yes	2.00
815	66.85	51.38	2.68	2.97	0.90	24.43	3.87	94.65	4.00	No	Yes	2.00
816	66.93	51.75	2.67	2.86	0.89	24.67	3.78	93.29	4.00	No	Yes	2.00

:: Cyclic Resistance Ratio (CRR) calculation data :: (continued)												
Point ID	Depth (ft)	q _r (tsf)	I _c	Fr (%)	n	Q _{tn}	K _c	Q _{tn,cs}	CRR _{7.5}	Belongs to trans. layer	Clay-like behaviour	FS
817	67.01	49.58	2.69	2.93	0.90	23.38	3.95	92.44	4.00	No	Yes	2.00
818	67.09	49.67	2.71	3.05	0.91	23.33	4.04	94.33	4.00	No	Yes	2.00
819	67.17	49.86	2.71	3.09	0.91	23.38	4.06	95.01	4.00	No	Yes	2.00
820	67.26	50.03	2.71	3.09	0.91	23.44	4.06	95.14	4.00	No	Yes	2.00
821	67.34	49.97	2.71	3.12	0.91	23.37	4.08	95.36	4.00	No	Yes	2.00
822	67.42	52.52	2.68	2.97	0.90	24.85	3.83	95.25	4.00	No	Yes	2.00
823	67.50	52.65	2.67	2.86	0.89	24.96	3.75	93.68	4.00	No	Yes	2.00
824	67.58	52.37	2.66	2.81	0.89	24.80	3.74	92.67	4.00	No	Yes	2.00
825	67.67	52.09	2.66	2.80	0.89	24.62	3.74	92.19	4.00	No	Yes	2.00
826	67.75	51.69	2.67	2.78	0.89	24.38	3.75	91.51	4.00	No	Yes	2.00
827	67.83	49.63	2.69	2.82	0.90	23.18	3.90	90.43	4.00	No	Yes	2.00
828	67.91	48.88	2.70	2.91	0.91	22.68	4.02	91.08	4.00	No	Yes	2.00
829	68.00	48.62	2.71	2.92	0.91	22.49	4.05	91.00	4.00	No	Yes	2.00
830	68.08	48.33	2.71	2.90	0.91	22.32	4.05	90.36	4.00	No	Yes	2.00
831	68.16	47.92	2.71	2.91	0.91	22.06	4.08	90.11	4.00	No	Yes	2.00
832	68.24	49.24	2.70	2.85	0.90	22.80	3.96	90.35	4.00	No	Yes	2.00
833	68.32	49.47	2.68	2.75	0.90	22.96	3.88	89.10	4.00	No	Yes	2.00
834	68.41	49.63	2.68	2.70	0.90	23.05	3.84	88.41	4.00	No	Yes	2.00
835	68.49	49.85	2.67	2.65	0.89	23.18	3.78	87.70	4.00	No	Yes	2.00
836	68.57	50.64	2.66	2.57	0.89	23.64	3.68	87.13	4.00	No	Yes	2.00
837	68.65	51.06	2.65	2.53	0.88	23.88	3.63	86.75	4.00	No	Yes	2.00
838	68.73	51.57	2.65	2.58	0.89	24.09	3.65	87.91	4.00	No	Yes	2.00
839	68.82	52.01	2.65	2.61	0.89	24.29	3.65	88.56	4.00	No	Yes	2.00
840	68.90	52.36	2.65	2.62	0.89	24.45	3.64	89.03	4.00	No	Yes	2.00
841	68.98	52.54	2.65	2.63	0.89	24.51	3.64	89.26	4.00	No	Yes	2.00
842	69.06	53.05	2.64	2.61	0.88	24.77	3.61	89.36	4.00	No	Yes	2.00
843	69.14	53.40	2.64	2.59	0.88	24.97	3.57	89.19	4.00	No	Yes	2.00
844	69.23	53.49	2.63	2.48	0.88	25.08	3.49	87.55	4.00	No	Yes	2.00
845	69.31	53.56	2.62	2.45	0.87	25.12	3.46	86.99	4.00	No	Yes	2.00
846	69.39	53.36	2.62	2.44	0.87	24.98	3.47	86.58	4.00	No	Yes	2.00
847	69.47	53.18	2.62	2.42	0.87	24.87	3.46	86.14	4.00	No	Yes	2.00
848	69.55	51.44	2.65	2.50	0.88	23.79	3.62	86.06	4.00	No	Yes	2.00
849	69.64	51.13	2.66	2.59	0.89	23.52	3.71	87.20	4.00	No	Yes	2.00
850	69.72	50.87	2.66	2.60	0.89	23.35	3.73	87.15	4.00	No	Yes	2.00
851	69.80	50.84	2.66	2.58	0.89	23.31	3.72	86.80	4.00	No	Yes	2.00
852	69.88	50.67	2.66	2.56	0.89	23.21	3.72	86.38	4.00	No	Yes	2.00
853	69.96	52.30	2.64	2.46	0.88	24.16	3.56	85.99	4.00	No	Yes	2.00
854	70.05	52.64	2.63	2.42	0.88	24.36	3.51	85.50	4.00	No	Yes	2.00
855	70.13	52.84	2.62	2.38	0.87	24.47	3.47	85.02	4.00	No	Yes	2.00
856	70.21	53.09	2.62	2.35	0.87	24.61	3.44	84.58	4.00	No	Yes	2.00
857	70.29	53.21	2.61	2.32	0.87	24.67	3.41	84.10	4.00	No	Yes	2.00
858	70.37	53.39	2.61	2.27	0.87	24.79	3.36	83.37	4.00	No	Yes	2.00
859	70.46	53.55	2.60	2.23	0.87	24.88	3.33	82.84	4.00	No	Yes	2.00
860	70.54	53.80	2.59	2.19	0.86	25.02	3.29	82.34	4.00	Yes	No	2.00
861	70.62	54.08	2.53	1.74	0.84	25.62	2.90	74.35	4.00	Yes	No	2.00
862	70.70	54.47	2.44	1.29	0.81	26.40	2.49	65.85	4.00	Yes	No	2.00
863	70.78	54.64	2.34	0.86	0.77	27.24	2.08	56.69	4.00	Yes	No	2.00
864	70.87	54.92	2.19	0.44	0.71	28.53	1.64	46.90	4.00	Yes	No	2.00

:: Cyclic Resistance Ratio (CRR) calculation data :: (continued)												
Point ID	Depth (ft)	q _r (tsf)	I _c	Fr (%)	n	Q _{tn}	K _c	Q _{tn,cs}	CRR _{7.5}	Belongs to trans. layer	Clay-like behaviour	FS
865	70.95	51.55	2.22	0.44	0.72	26.37	1.73	45.59	4.00	Yes	No	2.00
866	71.03	50.62	2.38	0.87	0.78	24.74	2.22	55.04	4.00	Yes	No	2.00
867	71.11	50.74	2.48	1.30	0.82	24.11	2.65	63.98	4.00	Yes	No	2.00
868	71.19	50.84	2.55	1.74	0.85	23.62	3.06	72.31	4.00	Yes	No	2.00
869	71.28	50.82	2.62	2.20	0.87	23.15	3.46	80.12	4.00	Yes	Yes	2.00
870	71.36	54.75	2.57	2.04	0.85	25.43	3.15	80.03	4.00	No	No	2.00
871	71.44	56.23	2.54	1.93	0.84	26.35	3.00	78.93	4.00	No	No	2.00
872	71.52	56.67	2.53	1.89	0.84	26.61	2.95	78.44	4.00	No	No	2.00
873	71.60	57.15	2.53	1.88	0.84	26.86	2.92	78.46	4.00	No	No	2.00
874	71.69	57.52	2.53	1.88	0.84	27.04	2.91	78.72	4.00	No	No	2.00
875	71.77	56.35	2.55	1.97	0.85	26.25	3.03	79.62	4.00	No	No	2.00
876	71.85	55.86	2.57	2.12	0.86	25.79	3.18	81.95	4.00	No	No	2.00
877	71.93	55.75	2.59	2.23	0.86	25.60	3.27	83.63	4.00	No	No	2.00
878	72.01	55.69	2.60	2.31	0.87	25.46	3.33	84.90	4.00	No	Yes	2.00
879	72.10	55.80	2.61	2.34	0.87	25.46	3.36	85.57	4.00	No	Yes	2.00
880	72.18	57.19	2.59	2.29	0.86	26.24	3.26	85.57	4.00	No	No	2.00
881	72.26	57.80	2.59	2.31	0.86	26.53	3.25	86.22	4.00	No	No	2.00
882	72.34	57.92	2.59	2.34	0.86	26.53	3.27	86.82	4.00	No	No	2.00
883	72.42	57.79	2.59	2.33	0.86	26.44	3.27	86.47	4.00	No	No	2.00
884	72.51	57.48	2.59	2.30	0.86	26.27	3.27	85.77	4.00	No	No	2.00
885	72.59	56.70	2.58	2.21	0.86	25.91	3.23	83.66	4.00	No	No	2.00
886	72.67	56.32	2.55	1.94	0.85	25.94	3.03	78.71	4.00	No	No	2.00
887	72.75	56.07	2.54	1.84	0.84	25.89	2.96	76.63	4.00	No	No	2.00
888	72.83	55.88	2.53	1.78	0.84	25.82	2.92	75.49	4.00	No	No	2.00
889	72.92	54.85	2.54	1.80	0.84	25.20	2.98	75.17	4.00	No	No	2.00
890	73.00	51.97	2.59	2.01	0.86	23.38	3.30	77.05	4.00	No	No	2.00
891	73.08	51.46	2.63	2.27	0.88	22.84	3.54	80.91	4.00	No	Yes	2.00
892	73.16	50.94	2.65	2.32	0.88	22.49	3.62	81.39	4.00	No	Yes	2.00
893	73.25	50.49	2.65	2.34	0.89	22.21	3.66	81.34	4.00	No	Yes	2.00
894	73.33	51.08	2.64	2.30	0.88	22.53	3.60	81.07	4.00	No	Yes	2.00
895	73.41	54.01	2.57	1.94	0.85	24.42	3.15	77.05	4.00	No	No	2.00
896	73.49	54.21	2.56	1.85	0.85	24.61	3.07	75.51	4.00	No	No	2.00
897	73.57	54.32	2.55	1.82	0.85	24.66	3.04	75.09	4.00	No	No	2.00
898	73.66	54.00	2.56	1.85	0.85	24.43	3.09	75.38	4.00	No	No	2.00
899	73.74	50.38	2.61	2.03	0.87	22.27	3.42	76.05	4.00	No	Yes	2.00
900	73.82	49.32	2.66	2.33	0.89	21.42	3.74	80.08	4.00	No	Yes	2.00
901	73.90	48.60	2.69	2.47	0.90	20.90	3.91	81.64	4.00	No	Yes	2.00
902	73.98	47.97	2.70	2.54	0.91	20.49	4.01	82.17	4.00	No	Yes	2.00
903	74.06	47.49	2.71	2.57	0.91	20.20	4.07	82.12	4.00	No	Yes	2.00
904	74.15	50.01	2.67	2.39	0.89	21.64	3.76	81.34	4.00	No	Yes	2.00
905	74.23	49.66	2.65	2.25	0.89	21.53	3.67	79.03	4.00	No	Yes	2.00
906	74.31	48.68	2.64	2.05	0.88	21.16	3.55	75.13	4.00	No	Yes	2.00
907	74.39	47.46	2.64	2.03	0.88	20.50	3.61	73.97	4.00	No	Yes	2.00
908	74.47	46.27	2.65	2.01	0.89	19.87	3.67	72.86	4.00	No	Yes	2.00
909	74.56	43.00	2.70	2.13	0.91	18.03	4.00	72.21	4.00	No	Yes	2.00
910	74.64	39.58	2.75	2.25	0.93	16.16	4.41	71.20	4.00	No	Yes	2.00
911	74.72	38.90	2.79	2.46	0.94	15.68	4.68	73.37	4.00	No	Yes	2.00
912	74.80	38.46	2.80	2.50	0.94	15.42	4.76	73.38	4.00	No	Yes	2.00

:: Cyclic Resistance Ratio (CRR) calculation data :: (continued)												
Point ID	Depth (ft)	q _r (tsf)	I _c	Fr (%)	n	Q _{tn}	K _c	Q _{tn,cs}	CRR _{7.5}	Belongs to trans. layer	Clay-like behaviour	FS
913	74.89	38.50	2.80	2.52	0.94	15.41	4.78	73.69	4.00	No	Yes	2.00
914	74.97	38.24	2.80	2.53	0.94	15.25	4.82	73.57	4.00	No	Yes	2.00
915	75.05	41.13	2.77	2.47	0.93	16.73	4.49	75.20	4.00	No	Yes	2.00
916	75.13	41.99	2.73	2.27	0.92	17.27	4.24	73.22	4.00	No	Yes	2.00
917	75.21	43.30	2.70	2.13	0.91	18.02	4.01	72.19	4.00	No	Yes	2.00
918	75.30	45.25	2.63	1.76	0.88	19.32	3.52	67.94	4.00	No	Yes	2.00
919	75.38	50.37	2.55	1.54	0.85	22.27	3.02	67.25	4.00	No	No	2.00
920	75.46	49.83	2.56	1.61	0.85	21.88	3.12	68.17	4.00	No	No	2.00
921	75.54	52.11	2.56	1.72	0.85	22.96	3.11	71.38	4.00	No	No	2.00
922	75.62	49.73	2.62	1.95	0.87	21.44	3.44	73.70	4.00	No	Yes	2.00
923	75.70	50.13	2.66	2.29	0.89	21.33	3.72	79.32	4.00	No	Yes	2.00
924	75.79	50.50	2.68	2.46	0.90	21.34	3.85	82.13	4.00	No	Yes	2.00
925	75.87	53.95	2.64	2.35	0.88	23.22	3.57	82.89	4.00	No	Yes	2.00
926	75.95	54.34	2.65	2.48	0.89	23.29	3.66	85.12	4.00	No	Yes	2.00
927	76.03	59.05	2.61	2.39	0.87	25.81	3.36	86.77	4.00	No	Yes	2.00
928	76.11	59.97	2.60	2.43	0.87	26.23	3.36	88.03	4.00	No	Yes	2.00
929	76.20	59.52	2.62	2.52	0.87	25.87	3.45	89.26	4.00	No	Yes	2.00
930	76.28	59.84	2.63	2.64	0.88	25.90	3.52	91.29	4.00	No	Yes	2.00
931	76.36	60.11	2.61	2.50	0.87	26.15	3.41	89.11	4.00	No	Yes	2.00
932	76.44	60.76	2.61	2.48	0.87	26.47	3.37	89.27	4.00	No	Yes	2.00
933	76.53	61.40	2.60	2.48	0.87	26.78	3.34	89.57	4.00	No	Yes	2.00
934	76.61	62.78	2.59	2.45	0.86	27.50	3.27	89.96	4.00	No	No	2.00
935	76.69	59.85	2.63	2.61	0.88	25.79	3.51	90.59	4.00	No	Yes	2.00
936	76.77	59.75	2.65	2.79	0.89	25.54	3.66	93.44	4.00	No	Yes	2.00
937	76.85	59.41	2.66	2.82	0.89	25.32	3.70	93.56	4.00	No	Yes	2.00
938	76.94	59.51	2.66	2.82	0.89	25.34	3.69	93.52	4.00	No	Yes	2.00
939	77.02	60.25	2.65	2.78	0.88	25.72	3.63	93.48	4.00	No	Yes	2.00
940	77.10	65.04	2.58	2.42	0.86	28.54	3.18	90.71	4.00	No	No	2.00
941	77.18	67.14	2.53	2.18	0.84	29.90	2.93	87.64	4.00	No	No	2.00
942	77.26	68.75	2.51	2.10	0.83	30.85	2.82	86.95	4.00	No	No	2.00
943	77.35	69.74	2.51	2.13	0.83	31.29	2.82	88.16	4.00	No	No	2.00
944	77.43	67.24	2.53	2.19	0.84	29.85	2.94	87.69	4.00	No	No	2.00
945	77.51	63.28	2.61	2.60	0.87	27.27	3.39	92.46	4.00	No	Yes	2.00
946	77.59	61.10	2.67	3.06	0.90	25.69	3.81	98.01	4.00	No	Yes	2.00
947	77.67	60.49	2.71	3.33	0.91	25.15	4.03	101.45	4.00	No	Yes	2.00
948	77.76	58.44	2.74	3.57	0.92	23.94	4.30	103.02	4.00	No	Yes	2.00
949	77.84	61.20	2.72	3.58	0.91	25.27	4.17	105.47	4.00	No	Yes	2.00
950	77.92	65.23	2.66	3.20	0.89	27.58	3.74	103.04	4.00	No	Yes	2.00
951	78.00	67.42	2.62	2.87	0.87	28.95	3.43	99.42	4.00	No	Yes	2.00
952	78.08	68.44	2.60	2.80	0.87	29.52	3.35	98.89	4.00	No	Yes	2.00
953	78.17	71.12	2.58	2.72	0.86	30.96	3.20	99.20	4.00	No	No	2.00
954	78.25	70.15	2.60	2.84	0.87	30.29	3.32	100.59	4.00	No	No	2.00
955	78.33	67.93	2.65	3.22	0.89	28.76	3.65	105.11	4.00	No	Yes	2.00
956	78.41	67.61	2.69	3.61	0.90	28.21	3.93	110.83	4.00	No	Yes	2.00
957	78.49	67.42	2.71	3.81	0.91	27.93	4.06	113.49	4.00	No	Yes	2.00
958	78.58	67.54	2.69	3.57	0.90	28.14	3.91	110.05	4.00	No	Yes	2.00
959	78.66	69.61	2.66	3.40	0.89	29.31	3.72	109.04	4.00	No	Yes	2.00
960	78.74	71.93	2.63	3.22	0.88	30.61	3.52	107.85	4.00	No	Yes	2.00

:: Cyclic Resistance Ratio (CRR) calculation data :: (continued)												
Point ID	Depth (ft)	q _t (tsf)	I _c	Fr (%)	n	Q _{tn}	K _c	Q _{tn,cs}	CRR _{7.5}	Belongs to trans. layer	Clay-like behaviour	FS
961	78.82	71.93	2.62	3.09	0.87	30.70	3.44	105.60	4.00	No	Yes	2.00
962	78.90	67.72	2.65	3.16	0.88	28.47	3.64	103.68	4.00	No	Yes	2.00
963	78.99	66.63	2.68	3.43	0.90	27.64	3.87	107.00	4.00	No	Yes	2.00
964	79.07	65.49	2.69	3.48	0.90	27.00	3.95	106.71	4.00	No	Yes	2.00
965	79.15	64.63	2.70	3.47	0.90	26.55	3.99	105.90	4.00	No	Yes	2.00
966	79.23	64.10	2.70	3.46	0.91	26.26	4.01	105.27	4.00	No	Yes	2.00
967	79.31	67.53	2.66	3.22	0.89	28.16	3.70	104.23	4.00	No	Yes	2.00
968	79.40	67.51	2.65	3.13	0.88	28.20	3.65	102.80	4.00	No	Yes	2.00
969	79.48	67.23	2.65	3.09	0.88	28.06	3.63	101.95	4.00	No	Yes	2.00
970	79.56	66.97	2.64	3.04	0.88	27.94	3.61	100.95	4.00	No	Yes	2.00
971	79.64	66.49	2.64	2.99	0.88	27.72	3.60	99.79	4.00	No	Yes	2.00
972	79.72	64.81	2.65	2.99	0.89	26.85	3.67	98.58	4.00	No	Yes	2.00
973	79.81	63.99	2.66	2.98	0.89	26.42	3.70	97.71	4.00	No	Yes	2.00
974	79.89	63.26	2.63	2.67	0.88	26.30	3.51	92.43	4.00	No	Yes	2.00
975	79.97	62.79	2.60	2.38	0.86	26.34	3.31	87.23	4.00	No	No	2.00
976	80.05	62.45	2.59	2.27	0.86	26.26	3.24	85.12	4.00	No	No	2.00
977	80.14	63.19	2.57	2.16	0.85	26.74	3.13	83.66	4.00	No	No	2.00
978	80.22	59.41	2.61	2.25	0.87	24.67	3.36	82.95	4.00	No	Yes	2.00
979	80.30	55.31	2.69	2.68	0.90	22.20	3.91	86.77	4.00	No	Yes	2.00
980	80.38	53.56	2.74	2.99	0.92	21.07	4.26	89.82	4.00	No	Yes	2.00
981	80.46	52.71	2.75	3.04	0.92	20.60	4.35	89.70	4.00	No	Yes	2.00
982	80.55	51.94	2.74	2.91	0.92	20.30	4.30	87.28	4.00	No	Yes	2.00
983	80.63	54.76	2.69	2.61	0.90	21.89	3.89	85.21	4.00	No	Yes	2.00
984	80.71	57.84	2.63	2.34	0.88	23.63	3.52	83.21	4.00	No	Yes	2.00
985	80.79	58.51	2.61	2.22	0.87	24.06	3.40	81.73	4.00	No	Yes	2.00
986	80.87	56.98	2.62	2.21	0.87	23.28	3.46	80.53	4.00	No	Yes	2.00
987	80.95	56.26	2.64	2.28	0.88	22.83	3.55	81.12	4.00	No	Yes	2.00
988	81.04	55.99	2.64	2.27	0.88	22.68	3.56	80.77	4.00	No	Yes	2.00
989	81.12	55.92	2.63	2.23	0.88	22.65	3.54	80.13	4.00	No	Yes	2.00
990	81.20	56.01	2.62	2.16	0.88	22.74	3.48	79.05	4.00	Yes	Yes	2.00
991	81.28	57.56	2.57	1.86	0.85	23.84	3.14	74.79	4.00	Yes	No	2.00
992	81.36	58.25	2.54	1.71	0.84	24.36	2.97	72.47	4.00	Yes	No	2.00
993	81.45	58.49	2.46	1.29	0.81	25.09	2.58	64.71	4.00	Yes	No	2.00
994	81.53	58.61	2.36	0.89	0.78	25.93	2.17	56.38	4.00	Yes	No	2.00
995	81.61	55.61	2.28	0.54	0.74	25.19	1.88	47.30	4.00	Yes	No	2.00
996	81.69	55.42	2.19	0.33	0.71	25.84	1.64	42.25	4.00	Yes	No	2.00
997	81.78	49.35	2.15	0.02	0.70	23.00	1.56	35.79	4.00	No	No	2.00
998	81.86	50.60	2.14	0.02	0.69	23.72	1.53	36.38	4.00	No	No	2.00

Abbreviations

Depth: Depth from free surface, at which CPT was performed (ft)

q_t: Total cone resistance

I_c: Soil behavior type index

Fr: Normalized friction ratio (%)

n: Stress exponent

Q_{tn}: Normalized cone resistance

K_c: Cone resistance correction factor due to fines

Q_{tn,cs}: Normalized and adjusted cone resistance

CRR_{7.5}: Cyclic resistance ratio for M_w=7.5

FS: Factor of safety against soil liquefaction

:: Liquefaction Potential Index calculation data ::											
Depth (ft)	FS	F _L	w _z	d _z	LPI	Depth (ft)	FS	F _L	w _z	d _z	LPI
0.08	2.00	0.00	9.99	0.08	0.00	0.16	2.00	0.00	9.98	0.08	0.00
0.25	2.00	0.00	9.96	0.08	0.00	0.33	2.00	0.00	9.95	0.08	0.00
0.41	2.00	0.00	9.94	0.08	0.00	0.49	2.00	0.00	9.92	0.08	0.00
0.58	2.00	0.00	9.91	0.08	0.00	0.66	2.00	0.00	9.90	0.08	0.00
0.74	2.00	0.00	9.89	0.08	0.00	0.83	2.00	0.00	9.87	0.08	0.00
0.91	2.00	0.00	9.86	0.08	0.00	0.99	2.00	0.00	9.85	0.08	0.00
1.08	2.00	0.00	9.84	0.08	0.00	1.16	2.00	0.00	9.82	0.08	0.00
1.24	2.00	0.00	9.81	0.08	0.00	1.32	2.00	0.00	9.80	0.08	0.00
1.41	2.00	0.00	9.79	0.08	0.00	1.49	2.00	0.00	9.77	0.08	0.00
1.57	2.00	0.00	9.76	0.08	0.00	1.66	2.00	0.00	9.75	0.08	0.00
1.74	2.00	0.00	9.73	0.08	0.00	1.82	2.00	0.00	9.72	0.08	0.00
1.91	2.00	0.00	9.71	0.08	0.00	1.99	2.00	0.00	9.70	0.08	0.00
2.07	2.00	0.00	9.68	0.08	0.00	2.15	2.00	0.00	9.67	0.08	0.00
2.24	2.00	0.00	9.66	0.08	0.00	2.32	2.00	0.00	9.65	0.08	0.00
2.40	2.00	0.00	9.63	0.08	0.00	2.49	2.00	0.00	9.62	0.08	0.00
2.57	2.00	0.00	9.61	0.08	0.00	2.65	2.00	0.00	9.60	0.08	0.00
2.74	2.00	0.00	9.58	0.08	0.00	2.82	2.00	0.00	9.57	0.08	0.00
2.90	2.00	0.00	9.56	0.08	0.00	2.98	2.00	0.00	9.55	0.08	0.00
3.07	2.00	0.00	9.53	0.08	0.00	3.15	2.00	0.00	9.52	0.08	0.00
3.23	2.00	0.00	9.51	0.08	0.00	3.32	2.00	0.00	9.49	0.08	0.00
3.40	2.00	0.00	9.48	0.08	0.00	3.48	2.00	0.00	9.47	0.08	0.00
3.57	2.00	0.00	9.46	0.08	0.00	3.65	2.00	0.00	9.44	0.08	0.00
3.73	2.00	0.00	9.43	0.08	0.00	3.81	2.00	0.00	9.42	0.08	0.00
3.90	2.00	0.00	9.41	0.08	0.00	3.98	2.00	0.00	9.39	0.08	0.00
4.06	2.00	0.00	9.38	0.08	0.00	4.15	2.00	0.00	9.37	0.08	0.00
4.23	2.00	0.00	9.36	0.08	0.00	4.31	2.00	0.00	9.34	0.08	0.00
4.40	2.00	0.00	9.33	0.08	0.00	4.48	2.00	0.00	9.32	0.08	0.00
4.56	2.00	0.00	9.30	0.08	0.00	4.64	2.00	0.00	9.29	0.08	0.00
4.73	2.00	0.00	9.28	0.08	0.00	4.81	2.00	0.00	9.27	0.08	0.00
4.89	2.00	0.00	9.25	0.08	0.00	4.98	2.00	0.00	9.24	0.08	0.00
5.06	2.00	0.00	9.23	0.08	0.00	5.14	2.00	0.00	9.22	0.08	0.00
5.23	2.00	0.00	9.20	0.08	0.00	5.31	2.00	0.00	9.19	0.08	0.00
5.39	2.00	0.00	9.18	0.08	0.00	5.48	2.00	0.00	9.17	0.08	0.00
5.56	2.00	0.00	9.15	0.08	0.00	5.64	2.00	0.00	9.14	0.08	0.00
5.72	2.00	0.00	9.13	0.08	0.00	5.81	2.00	0.00	9.12	0.08	0.00
5.89	2.00	0.00	9.10	0.08	0.00	5.97	2.00	0.00	9.09	0.08	0.00
6.06	2.00	0.00	9.08	0.08	0.00	6.14	2.00	0.00	9.06	0.08	0.00
6.22	2.00	0.00	9.05	0.08	0.00	6.31	2.00	0.00	9.04	0.08	0.00
6.39	2.00	0.00	9.03	0.08	0.00	6.40	2.00	0.00	9.02	0.01	0.00
6.48	2.00	0.00	9.01	0.08	0.00	6.56	2.00	0.00	9.00	0.08	0.00
6.64	2.00	0.00	8.99	0.08	0.00	6.73	2.00	0.00	8.97	0.08	0.00
6.81	2.00	0.00	8.96	0.08	0.00	6.89	2.00	0.00	8.95	0.08	0.00
6.97	2.00	0.00	8.94	0.08	0.00	7.05	2.00	0.00	8.92	0.08	0.00
7.14	2.00	0.00	8.91	0.08	0.00	7.22	2.00	0.00	8.90	0.08	0.00
7.30	2.00	0.00	8.89	0.08	0.00	7.38	2.00	0.00	8.87	0.08	0.00
7.46	2.00	0.00	8.86	0.08	0.00	7.55	2.00	0.00	8.85	0.08	0.00
7.63	2.00	0.00	8.84	0.08	0.00	7.71	2.00	0.00	8.82	0.08	0.00
7.79	2.00	0.00	8.81	0.08	0.00	7.87	2.00	0.00	8.80	0.08	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (ft)	FS	F _L	w _z	d _z	LPI	Depth (ft)	FS	F _L	w _z	d _z	LPI
7.96	2.00	0.00	8.79	0.08	0.00	8.04	2.00	0.00	8.78	0.08	0.00
8.12	2.00	0.00	8.76	0.08	0.00	8.20	2.00	0.00	8.75	0.08	0.00
8.28	2.00	0.00	8.74	0.08	0.00	8.37	2.00	0.00	8.73	0.08	0.00
8.45	2.00	0.00	8.71	0.08	0.00	8.53	2.00	0.00	8.70	0.08	0.00
8.61	2.00	0.00	8.69	0.08	0.00	8.69	2.00	0.00	8.68	0.08	0.00
8.78	2.00	0.00	8.66	0.08	0.00	8.86	2.00	0.00	8.65	0.08	0.00
8.94	2.00	0.00	8.64	0.08	0.00	9.02	2.00	0.00	8.63	0.08	0.00
9.10	2.00	0.00	8.61	0.08	0.00	9.19	2.00	0.00	8.60	0.08	0.00
9.27	2.00	0.00	8.59	0.08	0.00	9.35	2.00	0.00	8.58	0.08	0.00
9.43	2.00	0.00	8.56	0.08	0.00	9.51	2.00	0.00	8.55	0.08	0.00
9.60	2.00	0.00	8.54	0.08	0.00	9.68	2.00	0.00	8.53	0.08	0.00
9.76	2.00	0.00	8.51	0.08	0.00	9.84	2.00	0.00	8.50	0.08	0.00
9.93	2.00	0.00	8.49	0.08	0.00	10.01	2.00	0.00	8.47	0.08	0.00
10.09	2.00	0.00	8.46	0.08	0.00	10.17	2.00	0.00	8.45	0.08	0.00
10.25	2.00	0.00	8.44	0.08	0.00	10.34	2.00	0.00	8.42	0.08	0.00
10.42	2.00	0.00	8.41	0.08	0.00	10.50	2.00	0.00	8.40	0.08	0.00
10.58	2.00	0.00	8.39	0.08	0.00	10.66	2.00	0.00	8.37	0.08	0.00
10.74	2.00	0.00	8.36	0.08	0.00	10.83	2.00	0.00	8.35	0.08	0.00
10.91	2.00	0.00	8.34	0.08	0.00	10.99	2.00	0.00	8.32	0.08	0.00
11.07	2.00	0.00	8.31	0.08	0.00	11.15	2.00	0.00	8.30	0.08	0.00
11.24	2.00	0.00	8.29	0.08	0.00	11.32	2.00	0.00	8.27	0.08	0.00
11.40	2.00	0.00	8.26	0.08	0.00	11.48	2.00	0.00	8.25	0.08	0.00
11.56	2.00	0.00	8.24	0.08	0.00	11.65	2.00	0.00	8.22	0.08	0.00
11.73	2.00	0.00	8.21	0.08	0.00	11.81	2.00	0.00	8.20	0.08	0.00
11.89	2.00	0.00	8.19	0.08	0.00	11.97	2.00	0.00	8.18	0.08	0.00
12.06	2.00	0.00	8.16	0.08	0.00	12.14	2.00	0.00	8.15	0.08	0.00
12.22	0.39	0.61	8.14	0.08	0.12	12.30	0.37	0.63	8.13	0.08	0.13
12.38	2.00	0.00	8.11	0.08	0.00	12.47	2.00	0.00	8.10	0.08	0.00
12.55	2.00	0.00	8.09	0.08	0.00	12.63	2.00	0.00	8.08	0.08	0.00
12.71	2.00	0.00	8.06	0.08	0.00	12.79	2.00	0.00	8.05	0.08	0.00
12.88	2.00	0.00	8.04	0.08	0.00	12.96	2.00	0.00	8.03	0.08	0.00
13.04	2.00	0.00	8.01	0.08	0.00	13.12	2.00	0.00	8.00	0.08	0.00
13.21	2.00	0.00	7.99	0.08	0.00	13.29	2.00	0.00	7.98	0.08	0.00
13.37	2.00	0.00	7.96	0.08	0.00	13.45	2.00	0.00	7.95	0.08	0.00
13.53	2.00	0.00	7.94	0.08	0.00	13.62	2.00	0.00	7.93	0.08	0.00
13.70	2.00	0.00	7.91	0.08	0.00	13.78	2.00	0.00	7.90	0.08	0.00
13.86	2.00	0.00	7.89	0.08	0.00	13.94	2.00	0.00	7.87	0.08	0.00
14.03	2.00	0.00	7.86	0.08	0.00	14.11	2.00	0.00	7.85	0.08	0.00
14.19	2.00	0.00	7.84	0.08	0.00	14.27	2.00	0.00	7.82	0.08	0.00
14.35	2.00	0.00	7.81	0.08	0.00	14.44	2.00	0.00	7.80	0.08	0.00
14.52	2.00	0.00	7.79	0.08	0.00	14.60	2.00	0.00	7.77	0.08	0.00
14.68	2.00	0.00	7.76	0.08	0.00	14.76	0.13	0.87	7.75	0.08	0.17
14.85	0.13	0.87	7.74	0.08	0.17	14.93	2.00	0.00	7.72	0.08	0.00
15.01	2.00	0.00	7.71	0.08	0.00	15.09	2.00	0.00	7.70	0.08	0.00
15.17	2.00	0.00	7.69	0.08	0.00	15.26	2.00	0.00	7.67	0.08	0.00
15.34	2.00	0.00	7.66	0.08	0.00	15.42	2.00	0.00	7.65	0.08	0.00
15.50	2.00	0.00	7.64	0.08	0.00	15.58	2.00	0.00	7.62	0.08	0.00
15.67	2.00	0.00	7.61	0.08	0.00	15.75	2.00	0.00	7.60	0.08	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (ft)	FS	F _L	w _z	d _z	LPI	Depth (ft)	FS	F _L	w _z	d _z	LPI
15.83	2.00	0.00	7.59	0.08	0.00	15.91	2.00	0.00	7.58	0.08	0.00
15.99	2.00	0.00	7.56	0.08	0.00	16.08	2.00	0.00	7.55	0.08	0.00
16.16	2.00	0.00	7.54	0.08	0.00	16.24	2.00	0.00	7.53	0.08	0.00
16.32	2.00	0.00	7.51	0.08	0.00	16.40	2.00	0.00	7.50	0.08	0.00
16.49	2.00	0.00	7.49	0.08	0.00	16.57	2.00	0.00	7.48	0.08	0.00
16.65	2.00	0.00	7.46	0.08	0.00	16.73	2.00	0.00	7.45	0.08	0.00
16.81	2.00	0.00	7.44	0.08	0.00	16.90	2.00	0.00	7.43	0.08	0.00
16.98	2.00	0.00	7.41	0.08	0.00	17.06	2.00	0.00	7.40	0.08	0.00
17.14	2.00	0.00	7.39	0.08	0.00	17.22	2.00	0.00	7.38	0.08	0.00
17.31	2.00	0.00	7.36	0.08	0.00	17.39	2.00	0.00	7.35	0.08	0.00
17.47	2.00	0.00	7.34	0.08	0.00	17.55	2.00	0.00	7.33	0.08	0.00
17.64	2.00	0.00	7.31	0.08	0.00	17.72	2.00	0.00	7.30	0.08	0.00
17.80	2.00	0.00	7.29	0.08	0.00	17.88	2.00	0.00	7.27	0.08	0.00
17.96	2.00	0.00	7.26	0.08	0.00	18.05	2.00	0.00	7.25	0.08	0.00
18.13	2.00	0.00	7.24	0.08	0.00	18.21	2.00	0.00	7.22	0.08	0.00
18.29	2.00	0.00	7.21	0.08	0.00	18.37	2.00	0.00	7.20	0.08	0.00
18.45	2.00	0.00	7.19	0.08	0.00	18.54	2.00	0.00	7.17	0.08	0.00
18.62	2.00	0.00	7.16	0.08	0.00	18.70	2.00	0.00	7.15	0.08	0.00
18.78	2.00	0.00	7.14	0.08	0.00	18.86	2.00	0.00	7.12	0.08	0.00
18.95	2.00	0.00	7.11	0.08	0.00	19.03	2.00	0.00	7.10	0.08	0.00
19.11	2.00	0.00	7.09	0.08	0.00	19.19	2.00	0.00	7.07	0.08	0.00
19.27	2.00	0.00	7.06	0.08	0.00	19.36	2.00	0.00	7.05	0.08	0.00
19.44	2.00	0.00	7.04	0.08	0.00	19.52	2.00	0.00	7.02	0.08	0.00
19.60	2.00	0.00	7.01	0.08	0.00	19.68	2.00	0.00	7.00	0.08	0.00
19.77	2.00	0.00	6.99	0.08	0.00	19.85	2.00	0.00	6.98	0.08	0.00
19.93	2.00	0.00	6.96	0.08	0.00	20.01	2.00	0.00	6.95	0.08	0.00
20.09	2.00	0.00	6.94	0.08	0.00	20.18	2.00	0.00	6.93	0.08	0.00
20.26	2.00	0.00	6.91	0.08	0.00	20.34	2.00	0.00	6.90	0.08	0.00
20.42	2.00	0.00	6.89	0.08	0.00	20.50	2.00	0.00	6.88	0.08	0.00
20.59	2.00	0.00	6.86	0.08	0.00	20.67	2.00	0.00	6.85	0.08	0.00
20.75	2.00	0.00	6.84	0.08	0.00	20.83	2.00	0.00	6.83	0.08	0.00
20.91	2.00	0.00	6.81	0.08	0.00	21.00	2.00	0.00	6.80	0.08	0.00
21.08	2.00	0.00	6.79	0.08	0.00	21.16	2.00	0.00	6.78	0.08	0.00
21.24	2.00	0.00	6.76	0.08	0.00	21.32	2.00	0.00	6.75	0.08	0.00
21.41	2.00	0.00	6.74	0.08	0.00	21.49	2.00	0.00	6.72	0.08	0.00
21.57	2.00	0.00	6.71	0.08	0.00	21.65	2.00	0.00	6.70	0.08	0.00
21.74	2.00	0.00	6.69	0.08	0.00	21.82	2.00	0.00	6.67	0.08	0.00
21.90	2.00	0.00	6.66	0.08	0.00	21.98	2.00	0.00	6.65	0.08	0.00
22.06	2.00	0.00	6.64	0.08	0.00	22.15	2.00	0.00	6.62	0.08	0.00
22.23	2.00	0.00	6.61	0.08	0.00	22.31	2.00	0.00	6.60	0.08	0.00
22.39	2.00	0.00	6.59	0.08	0.00	22.47	2.00	0.00	6.57	0.08	0.00
22.56	2.00	0.00	6.56	0.08	0.00	22.64	2.00	0.00	6.55	0.08	0.00
22.72	2.00	0.00	6.54	0.08	0.00	22.80	2.00	0.00	6.52	0.08	0.00
22.88	2.00	0.00	6.51	0.08	0.00	22.97	2.00	0.00	6.50	0.08	0.00
23.05	2.00	0.00	6.49	0.08	0.00	23.13	2.00	0.00	6.47	0.08	0.00
23.21	2.00	0.00	6.46	0.08	0.00	23.29	2.00	0.00	6.45	0.08	0.00
23.38	2.00	0.00	6.44	0.08	0.00	23.46	2.00	0.00	6.43	0.08	0.00
23.54	2.00	0.00	6.41	0.08	0.00	23.62	2.00	0.00	6.40	0.08	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (ft)	FS	F _L	w _z	d _z	LPI	Depth (ft)	FS	F _L	w _z	d _z	LPI
23.70	2.00	0.00	6.39	0.08	0.00	23.79	2.00	0.00	6.38	0.08	0.00
23.87	2.00	0.00	6.36	0.08	0.00	23.95	2.00	0.00	6.35	0.08	0.00
24.03	2.00	0.00	6.34	0.08	0.00	24.11	2.00	0.00	6.33	0.08	0.00
24.20	2.00	0.00	6.31	0.08	0.00	24.28	2.00	0.00	6.30	0.08	0.00
24.36	2.00	0.00	6.29	0.08	0.00	24.44	2.00	0.00	6.28	0.08	0.00
24.52	2.00	0.00	6.26	0.08	0.00	24.61	2.00	0.00	6.25	0.08	0.00
24.69	2.00	0.00	6.24	0.08	0.00	24.77	2.00	0.00	6.23	0.08	0.00
24.85	2.00	0.00	6.21	0.08	0.00	24.93	0.12	0.88	6.20	0.08	0.14
25.02	0.12	0.88	6.19	0.08	0.14	25.10	0.12	0.88	6.18	0.08	0.14
25.18	0.12	0.88	6.16	0.08	0.13	25.26	0.12	0.88	6.15	0.08	0.13
25.34	0.12	0.88	6.14	0.08	0.13	25.43	0.12	0.88	6.12	0.08	0.14
25.51	0.11	0.89	6.11	0.08	0.14	25.59	0.11	0.89	6.10	0.08	0.13
25.67	0.11	0.89	6.09	0.08	0.14	25.75	2.00	0.00	6.07	0.08	0.00
25.84	2.00	0.00	6.06	0.08	0.00	25.92	2.00	0.00	6.05	0.08	0.00
26.00	2.00	0.00	6.04	0.08	0.00	26.08	2.00	0.00	6.02	0.08	0.00
26.16	2.00	0.00	6.01	0.08	0.00	26.25	2.00	0.00	6.00	0.08	0.00
26.33	2.00	0.00	5.99	0.08	0.00	26.41	2.00	0.00	5.97	0.08	0.00
26.49	2.00	0.00	5.96	0.08	0.00	26.57	2.00	0.00	5.95	0.08	0.00
26.66	2.00	0.00	5.94	0.08	0.00	26.74	2.00	0.00	5.92	0.08	0.00
26.82	2.00	0.00	5.91	0.08	0.00	26.90	2.00	0.00	5.90	0.08	0.00
26.98	2.00	0.00	5.89	0.08	0.00	27.07	2.00	0.00	5.87	0.08	0.00
27.15	2.00	0.00	5.86	0.08	0.00	27.23	2.00	0.00	5.85	0.08	0.00
27.31	2.00	0.00	5.84	0.08	0.00	27.39	2.00	0.00	5.83	0.08	0.00
27.48	2.00	0.00	5.81	0.08	0.00	27.56	2.00	0.00	5.80	0.08	0.00
27.64	2.00	0.00	5.79	0.08	0.00	27.72	2.00	0.00	5.78	0.08	0.00
27.80	2.00	0.00	5.76	0.08	0.00	27.89	2.00	0.00	5.75	0.08	0.00
27.97	2.00	0.00	5.74	0.08	0.00	28.05	2.00	0.00	5.73	0.08	0.00
28.13	2.00	0.00	5.71	0.08	0.00	28.21	2.00	0.00	5.70	0.08	0.00
28.30	2.00	0.00	5.69	0.08	0.00	28.38	2.00	0.00	5.68	0.08	0.00
28.46	2.00	0.00	5.66	0.08	0.00	28.54	2.00	0.00	5.65	0.08	0.00
28.63	2.00	0.00	5.64	0.08	0.00	28.71	2.00	0.00	5.63	0.08	0.00
28.79	2.00	0.00	5.61	0.08	0.00	28.87	2.00	0.00	5.60	0.08	0.00
28.95	0.22	0.78	5.59	0.08	0.11	29.04	0.22	0.78	5.58	0.08	0.11
29.12	2.00	0.00	5.56	0.08	0.00	29.20	2.00	0.00	5.55	0.08	0.00
29.28	2.00	0.00	5.54	0.08	0.00	29.36	2.00	0.00	5.52	0.08	0.00
29.45	2.00	0.00	5.51	0.08	0.00	29.53	2.00	0.00	5.50	0.08	0.00
29.61	2.00	0.00	5.49	0.08	0.00	29.69	2.00	0.00	5.47	0.08	0.00
29.77	2.00	0.00	5.46	0.08	0.00	29.86	2.00	0.00	5.45	0.08	0.00
29.94	2.00	0.00	5.44	0.08	0.00	30.02	2.00	0.00	5.42	0.08	0.00
30.10	2.00	0.00	5.41	0.08	0.00	30.18	2.00	0.00	5.40	0.08	0.00
30.27	2.00	0.00	5.39	0.08	0.00	30.35	2.00	0.00	5.37	0.08	0.00
30.43	2.00	0.00	5.36	0.08	0.00	30.51	2.00	0.00	5.35	0.08	0.00
30.59	2.00	0.00	5.34	0.08	0.00	30.68	2.00	0.00	5.32	0.08	0.00
30.76	2.00	0.00	5.31	0.08	0.00	30.84	2.00	0.00	5.30	0.08	0.00
30.92	2.00	0.00	5.29	0.08	0.00	31.00	2.00	0.00	5.27	0.08	0.00
31.09	2.00	0.00	5.26	0.08	0.00	31.17	2.00	0.00	5.25	0.08	0.00
31.25	2.00	0.00	5.24	0.08	0.00	31.33	2.00	0.00	5.23	0.08	0.00
31.41	2.00	0.00	5.21	0.08	0.00	31.50	2.00	0.00	5.20	0.08	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (ft)	FS	F _L	w _z	d _z	LPI	Depth (ft)	FS	F _L	w _z	d _z	LPI
31.58	2.00	0.00	5.19	0.08	0.00	31.66	2.00	0.00	5.18	0.08	0.00
31.74	2.00	0.00	5.16	0.08	0.00	31.82	2.00	0.00	5.15	0.08	0.00
31.91	2.00	0.00	5.14	0.08	0.00	31.99	2.00	0.00	5.13	0.08	0.00
32.07	2.00	0.00	5.11	0.08	0.00	32.15	2.00	0.00	5.10	0.08	0.00
32.23	2.00	0.00	5.09	0.08	0.00	32.32	2.00	0.00	5.08	0.08	0.00
32.40	2.00	0.00	5.06	0.08	0.00	32.48	2.00	0.00	5.05	0.08	0.00
32.56	2.00	0.00	5.04	0.08	0.00	32.64	2.00	0.00	5.03	0.08	0.00
32.73	2.00	0.00	5.01	0.08	0.00	32.81	2.00	0.00	5.00	0.08	0.00
32.89	2.00	0.00	4.99	0.08	0.00	32.97	2.00	0.00	4.98	0.08	0.00
33.05	2.00	0.00	4.96	0.08	0.00	33.14	2.00	0.00	4.95	0.08	0.00
33.22	2.00	0.00	4.94	0.08	0.00	33.30	2.00	0.00	4.92	0.08	0.00
33.38	2.00	0.00	4.91	0.08	0.00	33.47	0.20	0.80	4.90	0.08	0.10
33.55	0.20	0.80	4.89	0.08	0.10	33.63	2.00	0.00	4.87	0.08	0.00
33.71	2.00	0.00	4.86	0.08	0.00	33.79	2.00	0.00	4.85	0.08	0.00
33.88	2.00	0.00	4.84	0.08	0.00	33.96	2.00	0.00	4.82	0.08	0.00
34.04	2.00	0.00	4.81	0.08	0.00	34.12	2.00	0.00	4.80	0.08	0.00
34.20	2.00	0.00	4.79	0.08	0.00	34.28	2.00	0.00	4.77	0.08	0.00
34.37	2.00	0.00	4.76	0.08	0.00	34.45	2.00	0.00	4.75	0.08	0.00
34.53	2.00	0.00	4.74	0.08	0.00	34.61	2.00	0.00	4.72	0.08	0.00
34.70	2.00	0.00	4.71	0.08	0.00	34.78	2.00	0.00	4.70	0.08	0.00
34.86	2.00	0.00	4.69	0.08	0.00	34.94	2.00	0.00	4.67	0.08	0.00
35.02	2.00	0.00	4.66	0.08	0.00	35.10	2.00	0.00	4.65	0.08	0.00
35.19	2.00	0.00	4.64	0.08	0.00	35.27	0.21	0.79	4.63	0.08	0.09
35.35	0.20	0.80	4.61	0.08	0.09	35.43	0.20	0.80	4.60	0.08	0.09
35.52	0.19	0.81	4.59	0.08	0.09	35.60	0.19	0.81	4.58	0.08	0.09
35.68	0.18	0.82	4.56	0.08	0.09	35.76	0.17	0.83	4.55	0.08	0.09
35.84	0.16	0.84	4.54	0.08	0.09	35.92	0.16	0.84	4.53	0.08	0.10
36.01	0.16	0.84	4.51	0.08	0.10	36.09	0.16	0.84	4.50	0.08	0.09
36.17	0.16	0.84	4.49	0.08	0.09	36.25	0.16	0.84	4.48	0.08	0.09
36.34	0.17	0.83	4.46	0.08	0.09	36.42	0.18	0.82	4.45	0.08	0.09
36.50	0.21	0.79	4.44	0.08	0.09	36.58	0.25	0.75	4.43	0.08	0.08
36.66	0.32	0.68	4.41	0.08	0.08	36.74	0.39	0.61	4.40	0.08	0.07
36.83	2.00	0.00	4.39	0.08	0.00	36.91	2.00	0.00	4.38	0.08	0.00
36.99	2.00	0.00	4.36	0.08	0.00	37.07	2.00	0.00	4.35	0.08	0.00
37.16	2.00	0.00	4.34	0.08	0.00	37.24	2.00	0.00	4.32	0.08	0.00
37.32	2.00	0.00	4.31	0.08	0.00	37.40	2.00	0.00	4.30	0.08	0.00
37.48	2.00	0.00	4.29	0.08	0.00	37.57	2.00	0.00	4.27	0.08	0.00
37.65	2.00	0.00	4.26	0.08	0.00	37.73	2.00	0.00	4.25	0.08	0.00
37.81	2.00	0.00	4.24	0.08	0.00	37.89	0.30	0.70	4.22	0.08	0.07
37.98	0.27	0.73	4.21	0.08	0.08	38.06	0.26	0.74	4.20	0.08	0.08
38.14	0.26	0.74	4.19	0.08	0.08	38.22	0.26	0.74	4.17	0.08	0.08
38.30	0.28	0.72	4.16	0.08	0.07	38.39	0.31	0.69	4.15	0.08	0.07
38.47	0.29	0.71	4.14	0.08	0.07	38.55	0.30	0.70	4.12	0.08	0.07
38.63	0.31	0.69	4.11	0.08	0.07	38.71	0.31	0.69	4.10	0.08	0.07
38.80	0.30	0.70	4.09	0.08	0.07	38.88	2.00	0.00	4.07	0.08	0.00
38.96	2.00	0.00	4.06	0.08	0.00	39.04	2.00	0.00	4.05	0.08	0.00
39.12	2.00	0.00	4.04	0.08	0.00	39.21	0.27	0.73	4.03	0.08	0.07
39.29	0.26	0.74	4.01	0.08	0.07	39.37	0.25	0.75	4.00	0.08	0.08

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (ft)	FS	F _L	w _z	d _z	LPI	Depth (ft)	FS	F _L	w _z	d _z	LPI
39.45	2.00	0.00	3.99	0.08	0.00	39.53	2.00	0.00	3.98	0.08	0.00
39.62	2.00	0.00	3.96	0.08	0.00	39.70	2.00	0.00	3.95	0.08	0.00
39.78	2.00	0.00	3.94	0.08	0.00	39.86	2.00	0.00	3.93	0.08	0.00
39.94	2.00	0.00	3.91	0.08	0.00	40.03	2.00	0.00	3.90	0.08	0.00
40.11	2.00	0.00	3.89	0.08	0.00	40.19	2.00	0.00	3.88	0.08	0.00
40.27	2.00	0.00	3.86	0.08	0.00	40.35	2.00	0.00	3.85	0.08	0.00
40.44	2.00	0.00	3.84	0.08	0.00	40.52	2.00	0.00	3.83	0.08	0.00
40.60	2.00	0.00	3.81	0.08	0.00	40.68	2.00	0.00	3.80	0.08	0.00
40.76	2.00	0.00	3.79	0.08	0.00	40.85	2.00	0.00	3.78	0.08	0.00
40.93	2.00	0.00	3.76	0.08	0.00	41.01	2.00	0.00	3.75	0.08	0.00
41.09	2.00	0.00	3.74	0.08	0.00	41.17	2.00	0.00	3.72	0.08	0.00
41.26	2.00	0.00	3.71	0.08	0.00	41.34	2.00	0.00	3.70	0.08	0.00
41.42	2.00	0.00	3.69	0.08	0.00	41.50	2.00	0.00	3.67	0.08	0.00
41.59	2.00	0.00	3.66	0.08	0.00	41.67	2.00	0.00	3.65	0.08	0.00
41.75	2.00	0.00	3.64	0.08	0.00	41.83	2.00	0.00	3.62	0.08	0.00
41.91	2.00	0.00	3.61	0.08	0.00	41.99	2.00	0.00	3.60	0.08	0.00
42.08	2.00	0.00	3.59	0.08	0.00	42.16	2.00	0.00	3.57	0.08	0.00
42.24	2.00	0.00	3.56	0.08	0.00	42.32	2.00	0.00	3.55	0.08	0.00
42.41	2.00	0.00	3.54	0.08	0.00	42.49	2.00	0.00	3.52	0.08	0.00
42.57	2.00	0.00	3.51	0.08	0.00	42.65	2.00	0.00	3.50	0.08	0.00
42.73	2.00	0.00	3.49	0.08	0.00	42.81	2.00	0.00	3.47	0.08	0.00
42.90	2.00	0.00	3.46	0.08	0.00	42.98	2.00	0.00	3.45	0.08	0.00
43.06	2.00	0.00	3.44	0.08	0.00	43.14	2.00	0.00	3.43	0.08	0.00
43.23	2.00	0.00	3.41	0.08	0.00	43.31	2.00	0.00	3.40	0.08	0.00
43.39	2.00	0.00	3.39	0.08	0.00	43.47	2.00	0.00	3.38	0.08	0.00
43.55	2.00	0.00	3.36	0.08	0.00	43.63	2.00	0.00	3.35	0.08	0.00
43.72	2.00	0.00	3.34	0.08	0.00	43.80	2.00	0.00	3.33	0.08	0.00
43.88	2.00	0.00	3.31	0.08	0.00	43.96	2.00	0.00	3.30	0.08	0.00
44.05	2.00	0.00	3.29	0.08	0.00	44.13	2.00	0.00	3.28	0.08	0.00
44.21	2.00	0.00	3.26	0.08	0.00	44.29	2.00	0.00	3.25	0.08	0.00
44.37	2.00	0.00	3.24	0.08	0.00	44.45	2.00	0.00	3.23	0.08	0.00
44.54	2.00	0.00	3.21	0.08	0.00	44.62	2.00	0.00	3.20	0.08	0.00
44.70	2.00	0.00	3.19	0.08	0.00	44.78	2.00	0.00	3.18	0.08	0.00
44.87	2.00	0.00	3.16	0.08	0.00	44.95	2.00	0.00	3.15	0.08	0.00
45.03	2.00	0.00	3.14	0.08	0.00	45.11	2.00	0.00	3.12	0.08	0.00
45.19	2.00	0.00	3.11	0.08	0.00	45.28	2.00	0.00	3.10	0.08	0.00
45.36	2.00	0.00	3.09	0.08	0.00	45.44	2.00	0.00	3.07	0.08	0.00
45.52	2.00	0.00	3.06	0.08	0.00	45.60	2.00	0.00	3.05	0.08	0.00
45.69	2.00	0.00	3.04	0.08	0.00	45.77	2.00	0.00	3.02	0.08	0.00
45.85	2.00	0.00	3.01	0.08	0.00	45.93	2.00	0.00	3.00	0.08	0.00
46.01	2.00	0.00	2.99	0.08	0.00	46.10	2.00	0.00	2.97	0.08	0.00
46.18	2.00	0.00	2.96	0.08	0.00	46.26	2.00	0.00	2.95	0.08	0.00
46.34	2.00	0.00	2.94	0.08	0.00	46.42	2.00	0.00	2.92	0.08	0.00
46.51	2.00	0.00	2.91	0.08	0.00	46.59	2.00	0.00	2.90	0.08	0.00
46.67	2.00	0.00	2.89	0.08	0.00	46.75	2.00	0.00	2.87	0.08	0.00
46.83	0.22	0.78	2.86	0.08	0.06	46.92	0.23	0.77	2.85	0.08	0.05
47.00	2.00	0.00	2.84	0.08	0.00	47.08	2.00	0.00	2.83	0.08	0.00
47.16	2.00	0.00	2.81	0.08	0.00	47.24	2.00	0.00	2.80	0.08	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (ft)	FS	F _L	w _z	d _z	LPI	Depth (ft)	FS	F _L	w _z	d _z	LPI
47.33	2.00	0.00	2.79	0.08	0.00	47.41	2.00	0.00	2.78	0.08	0.00
47.49	2.00	0.00	2.76	0.08	0.00	47.57	2.00	0.00	2.75	0.08	0.00
47.65	0.22	0.78	2.74	0.08	0.05	47.74	0.23	0.77	2.73	0.08	0.05
47.82	0.24	0.76	2.71	0.08	0.05	47.90	0.25	0.75	2.70	0.08	0.05
47.98	0.26	0.74	2.69	0.08	0.05	48.06	0.27	0.73	2.68	0.08	0.05
48.15	0.28	0.72	2.66	0.08	0.05	48.23	0.29	0.71	2.65	0.08	0.05
48.31	0.30	0.70	2.64	0.08	0.05	48.39	0.31	0.69	2.63	0.08	0.05
48.47	0.30	0.70	2.61	0.08	0.05	48.56	0.28	0.72	2.60	0.08	0.05
48.64	0.27	0.73	2.59	0.08	0.05	48.72	0.25	0.75	2.58	0.08	0.05
48.80	0.24	0.76	2.56	0.08	0.05	48.88	2.00	0.00	2.55	0.08	0.00
48.97	2.00	0.00	2.54	0.08	0.00	49.05	2.00	0.00	2.52	0.08	0.00
49.13	2.00	0.00	2.51	0.08	0.00	49.21	2.00	0.00	2.50	0.08	0.00
49.30	2.00	0.00	2.49	0.08	0.00	49.38	2.00	0.00	2.47	0.08	0.00
49.46	2.00	0.00	2.46	0.08	0.00	49.54	2.00	0.00	2.45	0.08	0.00
49.62	2.00	0.00	2.44	0.08	0.00	49.70	2.00	0.00	2.42	0.08	0.00
49.79	2.00	0.00	2.41	0.08	0.00	49.87	2.00	0.00	2.40	0.08	0.00
49.95	2.00	0.00	2.39	0.08	0.00	50.03	2.00	0.00	2.37	0.08	0.00
50.12	2.00	0.00	2.36	0.08	0.00	50.20	2.00	0.00	2.35	0.08	0.00
50.28	2.00	0.00	2.34	0.08	0.00	50.36	2.00	0.00	2.32	0.08	0.00
50.44	2.00	0.00	2.31	0.08	0.00	50.52	2.00	0.00	2.30	0.08	0.00
50.61	2.00	0.00	2.29	0.08	0.00	50.69	2.00	0.00	2.27	0.08	0.00
50.77	2.00	0.00	2.26	0.08	0.00	50.85	2.00	0.00	2.25	0.08	0.00
50.94	2.00	0.00	2.24	0.08	0.00	51.02	2.00	0.00	2.23	0.08	0.00
51.10	2.00	0.00	2.21	0.08	0.00	51.18	2.00	0.00	2.20	0.08	0.00
51.26	2.00	0.00	2.19	0.08	0.00	51.34	2.00	0.00	2.18	0.08	0.00
51.43	2.00	0.00	2.16	0.08	0.00	51.51	2.00	0.00	2.15	0.08	0.00
51.59	2.00	0.00	2.14	0.08	0.00	51.67	2.00	0.00	2.13	0.08	0.00
51.76	2.00	0.00	2.11	0.08	0.00	51.84	2.00	0.00	2.10	0.08	0.00
51.92	2.00	0.00	2.09	0.08	0.00	52.00	2.00	0.00	2.08	0.08	0.00
52.08	2.00	0.00	2.06	0.08	0.00	52.16	2.00	0.00	2.05	0.08	0.00
52.25	2.00	0.00	2.04	0.08	0.00	52.33	2.00	0.00	2.03	0.08	0.00
52.41	2.00	0.00	2.01	0.08	0.00	52.49	2.00	0.00	2.00	0.08	0.00
52.58	2.00	0.00	1.99	0.08	0.00	52.66	2.00	0.00	1.98	0.08	0.00
52.74	2.00	0.00	1.96	0.08	0.00	52.82	2.00	0.00	1.95	0.08	0.00
52.90	2.00	0.00	1.94	0.08	0.00	52.99	2.00	0.00	1.92	0.08	0.00
53.07	2.00	0.00	1.91	0.08	0.00	53.15	2.00	0.00	1.90	0.08	0.00
53.23	2.00	0.00	1.89	0.08	0.00	53.31	2.00	0.00	1.87	0.08	0.00
53.40	2.00	0.00	1.86	0.08	0.00	53.48	2.00	0.00	1.85	0.08	0.00
53.56	2.00	0.00	1.84	0.08	0.00	53.64	2.00	0.00	1.82	0.08	0.00
53.72	2.00	0.00	1.81	0.08	0.00	53.81	2.00	0.00	1.80	0.08	0.00
53.89	2.00	0.00	1.79	0.08	0.00	53.97	2.00	0.00	1.77	0.08	0.00
54.05	2.00	0.00	1.76	0.08	0.00	54.13	2.00	0.00	1.75	0.08	0.00
54.22	2.00	0.00	1.74	0.08	0.00	54.30	2.00	0.00	1.72	0.08	0.00
54.38	2.00	0.00	1.71	0.08	0.00	54.46	2.00	0.00	1.70	0.08	0.00
54.54	2.00	0.00	1.69	0.08	0.00	54.63	2.00	0.00	1.67	0.08	0.00
54.71	2.00	0.00	1.66	0.08	0.00	54.79	2.00	0.00	1.65	0.08	0.00
54.87	2.00	0.00	1.64	0.08	0.00	54.95	2.00	0.00	1.63	0.08	0.00
55.04	2.00	0.00	1.61	0.08	0.00	55.12	2.00	0.00	1.60	0.08	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (ft)	FS	F _L	w _z	d _z	LPI	Depth (ft)	FS	F _L	w _z	d _z	LPI
55.20	2.00	0.00	1.59	0.08	0.00	55.28	2.00	0.00	1.58	0.08	0.00
55.36	2.00	0.00	1.56	0.08	0.00	55.45	2.00	0.00	1.55	0.08	0.00
55.53	2.00	0.00	1.54	0.08	0.00	55.61	2.00	0.00	1.53	0.08	0.00
55.69	2.00	0.00	1.51	0.08	0.00	55.77	2.00	0.00	1.50	0.08	0.00
55.86	2.00	0.00	1.49	0.08	0.00	55.94	2.00	0.00	1.48	0.08	0.00
56.02	2.00	0.00	1.46	0.08	0.00	56.10	2.00	0.00	1.45	0.08	0.00
56.18	2.00	0.00	1.44	0.08	0.00	56.27	2.00	0.00	1.43	0.08	0.00
56.35	2.00	0.00	1.41	0.08	0.00	56.43	2.00	0.00	1.40	0.08	0.00
56.51	2.00	0.00	1.39	0.08	0.00	56.59	2.00	0.00	1.38	0.08	0.00
56.68	2.00	0.00	1.36	0.08	0.00	56.76	2.00	0.00	1.35	0.08	0.00
56.84	2.00	0.00	1.34	0.08	0.00	56.92	2.00	0.00	1.32	0.08	0.00
57.01	2.00	0.00	1.31	0.08	0.00	57.09	2.00	0.00	1.30	0.08	0.00
57.17	2.00	0.00	1.29	0.08	0.00	57.25	2.00	0.00	1.27	0.08	0.00
57.33	2.00	0.00	1.26	0.08	0.00	57.41	2.00	0.00	1.25	0.08	0.00
57.50	2.00	0.00	1.24	0.08	0.00	57.58	2.00	0.00	1.22	0.08	0.00
57.66	2.00	0.00	1.21	0.08	0.00	57.74	2.00	0.00	1.20	0.08	0.00
57.83	2.00	0.00	1.19	0.08	0.00	57.91	2.00	0.00	1.17	0.08	0.00
57.99	2.00	0.00	1.16	0.08	0.00	58.07	2.00	0.00	1.15	0.08	0.00
58.15	2.00	0.00	1.14	0.08	0.00	58.23	2.00	0.00	1.12	0.08	0.00
58.32	2.00	0.00	1.11	0.08	0.00	58.40	2.00	0.00	1.10	0.08	0.00
58.48	2.00	0.00	1.09	0.08	0.00	58.56	2.00	0.00	1.07	0.08	0.00
58.65	2.00	0.00	1.06	0.08	0.00	58.73	2.00	0.00	1.05	0.08	0.00
58.81	2.00	0.00	1.04	0.08	0.00	58.89	2.00	0.00	1.03	0.08	0.00
58.97	2.00	0.00	1.01	0.08	0.00	59.05	2.00	0.00	1.00	0.08	0.00
59.14	2.00	0.00	0.99	0.08	0.00	59.22	2.00	0.00	0.98	0.08	0.00
59.30	2.00	0.00	0.96	0.08	0.00	59.38	2.00	0.00	0.95	0.08	0.00
59.47	2.00	0.00	0.94	0.08	0.00	59.55	2.00	0.00	0.93	0.08	0.00
59.63	2.00	0.00	0.91	0.08	0.00	59.71	2.00	0.00	0.90	0.08	0.00
59.79	2.00	0.00	0.89	0.08	0.00	59.88	2.00	0.00	0.88	0.08	0.00
59.96	2.00	0.00	0.86	0.08	0.00	60.04	2.00	0.00	0.85	0.08	0.00
60.12	2.00	0.00	0.84	0.08	0.00	60.20	2.00	0.00	0.83	0.08	0.00
60.28	2.00	0.00	0.81	0.08	0.00	60.37	2.00	0.00	0.80	0.08	0.00
60.45	2.00	0.00	0.79	0.08	0.00	60.53	2.00	0.00	0.78	0.08	0.00
60.61	2.00	0.00	0.76	0.08	0.00	60.70	2.00	0.00	0.75	0.08	0.00
60.78	2.00	0.00	0.74	0.08	0.00	60.86	2.00	0.00	0.72	0.08	0.00
60.94	2.00	0.00	0.71	0.08	0.00	61.02	2.00	0.00	0.70	0.08	0.00
61.11	2.00	0.00	0.69	0.08	0.00	61.19	2.00	0.00	0.67	0.08	0.00
61.27	2.00	0.00	0.66	0.08	0.00	61.35	2.00	0.00	0.65	0.08	0.00
61.43	2.00	0.00	0.64	0.08	0.00	61.52	2.00	0.00	0.62	0.08	0.00
61.60	2.00	0.00	0.61	0.08	0.00	61.68	2.00	0.00	0.60	0.08	0.00
61.76	2.00	0.00	0.59	0.08	0.00	61.84	2.00	0.00	0.57	0.08	0.00
61.93	2.00	0.00	0.56	0.08	0.00	62.01	2.00	0.00	0.55	0.08	0.00
62.09	2.00	0.00	0.54	0.08	0.00	62.17	2.00	0.00	0.52	0.08	0.00
62.25	2.00	0.00	0.51	0.08	0.00	62.34	2.00	0.00	0.50	0.08	0.00
62.42	2.00	0.00	0.49	0.08	0.00	62.50	2.00	0.00	0.47	0.08	0.00
62.58	2.00	0.00	0.46	0.08	0.00	62.66	2.00	0.00	0.45	0.08	0.00
62.75	2.00	0.00	0.44	0.08	0.00	62.83	2.00	0.00	0.43	0.08	0.00
62.91	2.00	0.00	0.41	0.08	0.00	62.99	2.00	0.00	0.40	0.08	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (ft)	FS	F _L	w _z	d _z	LPI	Depth (ft)	FS	F _L	w _z	d _z	LPI
63.07	2.00	0.00	0.39	0.08	0.00	63.16	2.00	0.00	0.38	0.08	0.00
63.24	2.00	0.00	0.36	0.08	0.00	63.32	2.00	0.00	0.35	0.08	0.00
63.40	2.00	0.00	0.34	0.08	0.00	63.48	2.00	0.00	0.33	0.08	0.00
63.57	2.00	0.00	0.31	0.08	0.00	63.65	2.00	0.00	0.30	0.08	0.00
63.73	2.00	0.00	0.29	0.08	0.00	63.81	2.00	0.00	0.28	0.08	0.00
63.89	2.00	0.00	0.26	0.08	0.00	63.98	2.00	0.00	0.25	0.08	0.00
64.06	2.00	0.00	0.24	0.08	0.00	64.14	2.00	0.00	0.23	0.08	0.00
64.22	2.00	0.00	0.21	0.08	0.00	64.30	2.00	0.00	0.20	0.08	0.00
64.39	2.00	0.00	0.19	0.08	0.00	64.47	2.00	0.00	0.17	0.08	0.00
64.55	2.00	0.00	0.16	0.08	0.00	64.63	2.00	0.00	0.15	0.08	0.00
64.72	2.00	0.00	0.14	0.08	0.00	64.80	2.00	0.00	0.12	0.08	0.00
64.88	2.00	0.00	0.11	0.08	0.00	64.96	2.00	0.00	0.10	0.08	0.00
65.04	2.00	0.00	0.09	0.08	0.00	65.13	2.00	0.00	0.07	0.08	0.00
65.21	2.00	0.00	0.06	0.08	0.00	65.29	2.00	0.00	0.05	0.08	0.00
65.37	2.00	0.00	0.04	0.08	0.00	65.45	2.00	0.00	0.02	0.08	0.00
65.53	2.00	0.00	0.01	0.08	0.00	65.62	2.00	0.00	0.00	0.00	0.00
65.70	2.00	0.00	0.00	0.00	0.00	65.78	2.00	0.00	0.00	0.00	0.00
65.86	2.00	0.00	0.00	0.00	0.00	65.94	2.00	0.00	0.00	0.00	0.00
66.03	2.00	0.00	0.00	0.00	0.00	66.11	2.00	0.00	0.00	0.00	0.00
66.19	2.00	0.00	0.00	0.00	0.00	66.27	2.00	0.00	0.00	0.00	0.00
66.36	2.00	0.00	0.00	0.00	0.00	66.44	2.00	0.00	0.00	0.00	0.00
66.52	2.00	0.00	0.00	0.00	0.00	66.60	2.00	0.00	0.00	0.00	0.00
66.68	2.00	0.00	0.00	0.00	0.00	66.77	2.00	0.00	0.00	0.00	0.00
66.85	2.00	0.00	0.00	0.00	0.00	66.93	2.00	0.00	0.00	0.00	0.00
67.01	2.00	0.00	0.00	0.00	0.00	67.09	2.00	0.00	0.00	0.00	0.00
67.17	2.00	0.00	0.00	0.00	0.00	67.26	2.00	0.00	0.00	0.00	0.00
67.34	2.00	0.00	0.00	0.00	0.00	67.42	2.00	0.00	0.00	0.00	0.00
67.50	2.00	0.00	0.00	0.00	0.00	67.58	2.00	0.00	0.00	0.00	0.00
67.67	2.00	0.00	0.00	0.00	0.00	67.75	2.00	0.00	0.00	0.00	0.00
67.83	2.00	0.00	0.00	0.00	0.00	67.91	2.00	0.00	0.00	0.00	0.00
68.00	2.00	0.00	0.00	0.00	0.00	68.08	2.00	0.00	0.00	0.00	0.00
68.16	2.00	0.00	0.00	0.00	0.00	68.24	2.00	0.00	0.00	0.00	0.00
68.32	2.00	0.00	0.00	0.00	0.00	68.41	2.00	0.00	0.00	0.00	0.00
68.49	2.00	0.00	0.00	0.00	0.00	68.57	2.00	0.00	0.00	0.00	0.00
68.65	2.00	0.00	0.00	0.00	0.00	68.73	2.00	0.00	0.00	0.00	0.00
68.82	2.00	0.00	0.00	0.00	0.00	68.90	2.00	0.00	0.00	0.00	0.00
68.98	2.00	0.00	0.00	0.00	0.00	69.06	2.00	0.00	0.00	0.00	0.00
69.14	2.00	0.00	0.00	0.00	0.00	69.23	2.00	0.00	0.00	0.00	0.00
69.31	2.00	0.00	0.00	0.00	0.00	69.39	2.00	0.00	0.00	0.00	0.00
69.47	2.00	0.00	0.00	0.00	0.00	69.55	2.00	0.00	0.00	0.00	0.00
69.64	2.00	0.00	0.00	0.00	0.00	69.72	2.00	0.00	0.00	0.00	0.00
69.80	2.00	0.00	0.00	0.00	0.00	69.88	2.00	0.00	0.00	0.00	0.00
69.96	2.00	0.00	0.00	0.00	0.00	70.05	2.00	0.00	0.00	0.00	0.00
70.13	2.00	0.00	0.00	0.00	0.00	70.21	2.00	0.00	0.00	0.00	0.00
70.29	2.00	0.00	0.00	0.00	0.00	70.37	2.00	0.00	0.00	0.00	0.00
70.46	2.00	0.00	0.00	0.00	0.00	70.54	2.00	0.00	0.00	0.00	0.00
70.62	2.00	0.00	0.00	0.00	0.00	70.70	2.00	0.00	0.00	0.00	0.00
70.78	2.00	0.00	0.00	0.00	0.00	70.87	2.00	0.00	0.00	0.00	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (ft)	FS	F _L	w _z	d _z	LPI	Depth (ft)	FS	F _L	w _z	d _z	LPI
70.95	2.00	0.00	0.00	0.00	0.00	71.03	2.00	0.00	0.00	0.00	0.00
71.11	2.00	0.00	0.00	0.00	0.00	71.19	2.00	0.00	0.00	0.00	0.00
71.28	2.00	0.00	0.00	0.00	0.00	71.36	2.00	0.00	0.00	0.00	0.00
71.44	2.00	0.00	0.00	0.00	0.00	71.52	2.00	0.00	0.00	0.00	0.00
71.60	2.00	0.00	0.00	0.00	0.00	71.69	2.00	0.00	0.00	0.00	0.00
71.77	2.00	0.00	0.00	0.00	0.00	71.85	2.00	0.00	0.00	0.00	0.00
71.93	2.00	0.00	0.00	0.00	0.00	72.01	2.00	0.00	0.00	0.00	0.00
72.10	2.00	0.00	0.00	0.00	0.00	72.18	2.00	0.00	0.00	0.00	0.00
72.26	2.00	0.00	0.00	0.00	0.00	72.34	2.00	0.00	0.00	0.00	0.00
72.42	2.00	0.00	0.00	0.00	0.00	72.51	2.00	0.00	0.00	0.00	0.00
72.59	2.00	0.00	0.00	0.00	0.00	72.67	2.00	0.00	0.00	0.00	0.00
72.75	2.00	0.00	0.00	0.00	0.00	72.83	2.00	0.00	0.00	0.00	0.00
72.92	2.00	0.00	0.00	0.00	0.00	73.00	2.00	0.00	0.00	0.00	0.00
73.08	2.00	0.00	0.00	0.00	0.00	73.16	2.00	0.00	0.00	0.00	0.00
73.25	2.00	0.00	0.00	0.00	0.00	73.33	2.00	0.00	0.00	0.00	0.00
73.41	2.00	0.00	0.00	0.00	0.00	73.49	2.00	0.00	0.00	0.00	0.00
73.57	2.00	0.00	0.00	0.00	0.00	73.66	2.00	0.00	0.00	0.00	0.00
73.74	2.00	0.00	0.00	0.00	0.00	73.82	2.00	0.00	0.00	0.00	0.00
73.90	2.00	0.00	0.00	0.00	0.00	73.98	2.00	0.00	0.00	0.00	0.00
74.06	2.00	0.00	0.00	0.00	0.00	74.15	2.00	0.00	0.00	0.00	0.00
74.23	2.00	0.00	0.00	0.00	0.00	74.31	2.00	0.00	0.00	0.00	0.00
74.39	2.00	0.00	0.00	0.00	0.00	74.47	2.00	0.00	0.00	0.00	0.00
74.56	2.00	0.00	0.00	0.00	0.00	74.64	2.00	0.00	0.00	0.00	0.00
74.72	2.00	0.00	0.00	0.00	0.00	74.80	2.00	0.00	0.00	0.00	0.00
74.89	2.00	0.00	0.00	0.00	0.00	74.97	2.00	0.00	0.00	0.00	0.00
75.05	2.00	0.00	0.00	0.00	0.00	75.13	2.00	0.00	0.00	0.00	0.00
75.21	2.00	0.00	0.00	0.00	0.00	75.30	2.00	0.00	0.00	0.00	0.00
75.38	2.00	0.00	0.00	0.00	0.00	75.46	2.00	0.00	0.00	0.00	0.00
75.54	2.00	0.00	0.00	0.00	0.00	75.62	2.00	0.00	0.00	0.00	0.00
75.70	2.00	0.00	0.00	0.00	0.00	75.79	2.00	0.00	0.00	0.00	0.00
75.87	2.00	0.00	0.00	0.00	0.00	75.95	2.00	0.00	0.00	0.00	0.00
76.03	2.00	0.00	0.00	0.00	0.00	76.11	2.00	0.00	0.00	0.00	0.00
76.20	2.00	0.00	0.00	0.00	0.00	76.28	2.00	0.00	0.00	0.00	0.00
76.36	2.00	0.00	0.00	0.00	0.00	76.44	2.00	0.00	0.00	0.00	0.00
76.53	2.00	0.00	0.00	0.00	0.00	76.61	2.00	0.00	0.00	0.00	0.00
76.69	2.00	0.00	0.00	0.00	0.00	76.77	2.00	0.00	0.00	0.00	0.00
76.85	2.00	0.00	0.00	0.00	0.00	76.94	2.00	0.00	0.00	0.00	0.00
77.02	2.00	0.00	0.00	0.00	0.00	77.10	2.00	0.00	0.00	0.00	0.00
77.18	2.00	0.00	0.00	0.00	0.00	77.26	2.00	0.00	0.00	0.00	0.00
77.35	2.00	0.00	0.00	0.00	0.00	77.43	2.00	0.00	0.00	0.00	0.00
77.51	2.00	0.00	0.00	0.00	0.00	77.59	2.00	0.00	0.00	0.00	0.00
77.67	2.00	0.00	0.00	0.00	0.00	77.76	2.00	0.00	0.00	0.00	0.00
77.84	2.00	0.00	0.00	0.00	0.00	77.92	2.00	0.00	0.00	0.00	0.00
78.00	2.00	0.00	0.00	0.00	0.00	78.08	2.00	0.00	0.00	0.00	0.00
78.17	2.00	0.00	0.00	0.00	0.00	78.25	2.00	0.00	0.00	0.00	0.00
78.33	2.00	0.00	0.00	0.00	0.00	78.41	2.00	0.00	0.00	0.00	0.00
78.49	2.00	0.00	0.00	0.00	0.00	78.58	2.00	0.00	0.00	0.00	0.00
78.66	2.00	0.00	0.00	0.00	0.00	78.74	2.00	0.00	0.00	0.00	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (ft)	FS	F _L	w _z	d _z	LPI	Depth (ft)	FS	F _L	w _z	d _z	LPI
78.82	2.00	0.00	0.00	0.00	0.00	78.90	2.00	0.00	0.00	0.00	0.00
78.99	2.00	0.00	0.00	0.00	0.00	79.07	2.00	0.00	0.00	0.00	0.00
79.15	2.00	0.00	0.00	0.00	0.00	79.23	2.00	0.00	0.00	0.00	0.00
79.31	2.00	0.00	0.00	0.00	0.00	79.40	2.00	0.00	0.00	0.00	0.00
79.48	2.00	0.00	0.00	0.00	0.00	79.56	2.00	0.00	0.00	0.00	0.00
79.64	2.00	0.00	0.00	0.00	0.00	79.72	2.00	0.00	0.00	0.00	0.00
79.81	2.00	0.00	0.00	0.00	0.00	79.89	2.00	0.00	0.00	0.00	0.00
79.97	2.00	0.00	0.00	0.00	0.00	80.05	2.00	0.00	0.00	0.00	0.00
80.14	2.00	0.00	0.00	0.00	0.00	80.22	2.00	0.00	0.00	0.00	0.00
80.30	2.00	0.00	0.00	0.00	0.00	80.38	2.00	0.00	0.00	0.00	0.00
80.46	2.00	0.00	0.00	0.00	0.00	80.55	2.00	0.00	0.00	0.00	0.00
80.63	2.00	0.00	0.00	0.00	0.00	80.71	2.00	0.00	0.00	0.00	0.00
80.79	2.00	0.00	0.00	0.00	0.00	80.87	2.00	0.00	0.00	0.00	0.00
80.95	2.00	0.00	0.00	0.00	0.00	81.04	2.00	0.00	0.00	0.00	0.00
81.12	2.00	0.00	0.00	0.00	0.00	81.20	2.00	0.00	0.00	0.00	0.00
81.28	2.00	0.00	0.00	0.00	0.00	81.36	2.00	0.00	0.00	0.00	0.00
81.45	2.00	0.00	0.00	0.00	0.00	81.53	2.00	0.00	0.00	0.00	0.00
81.61	2.00	0.00	0.00	0.00	0.00	81.69	2.00	0.00	0.00	0.00	0.00
81.78	2.00	0.00	0.00	0.00	0.00	81.86	2.00	0.00	0.00	0.00	0.00

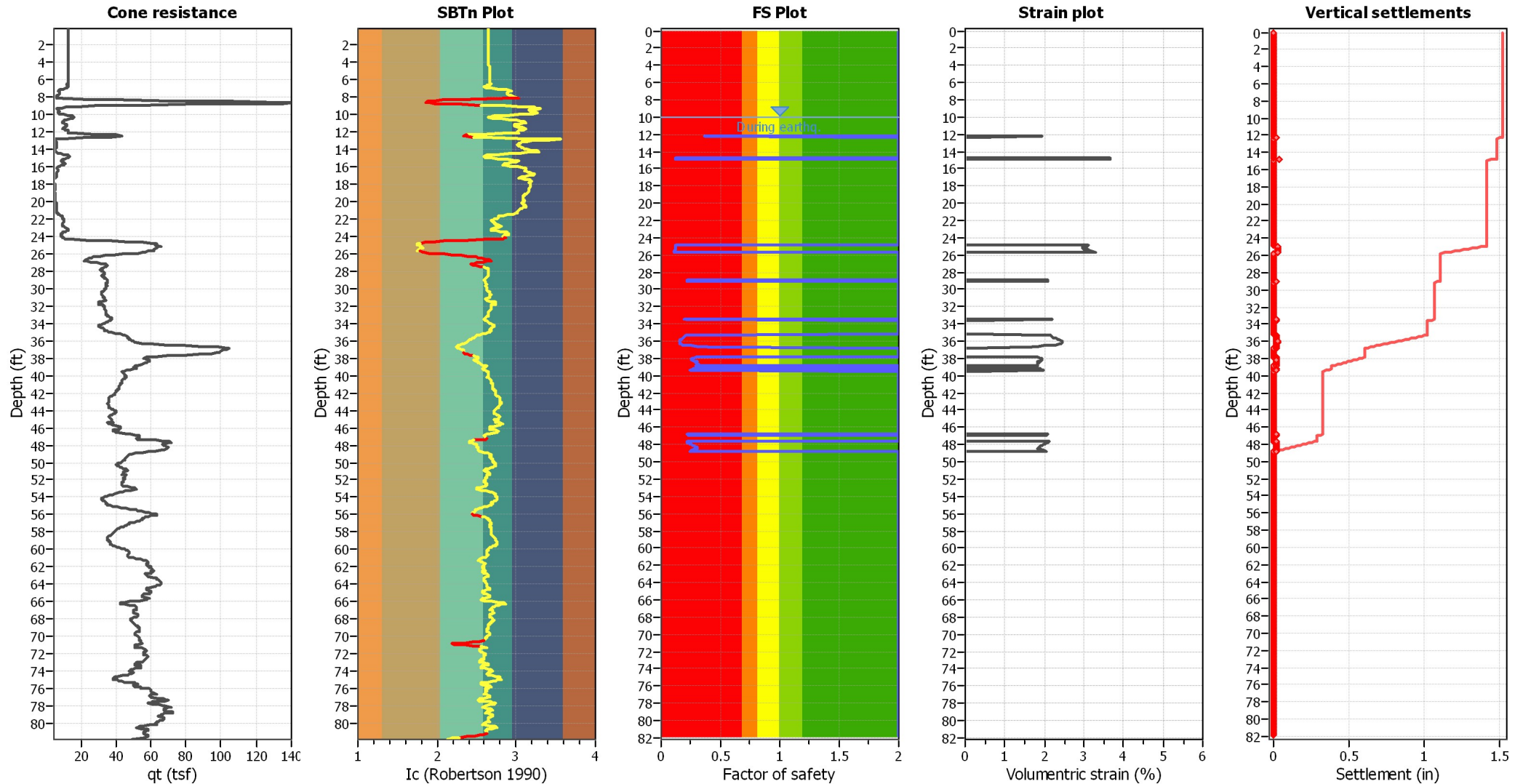
Overall liquefaction potential: 6.03

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

Abbreviations

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

Estimation of post-earthquake settlements



Abbreviations

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

:: Post-earthquake settlement due to soil liquefaction ::											
Depth (ft)	Q _{tn,cs}	FS	e _v (%)	DF	Settlement (in)	Depth (ft)	Q _{tn,cs}	FS	e _v (%)	DF	Settlement (in)
10.01	106.74	2.00	0.00	1.00	0.00	10.09	102.10	2.00	0.00	1.00	0.00
10.17	95.89	2.00	0.00	1.00	0.00	10.25	92.91	2.00	0.00	1.00	0.00
10.34	92.61	2.00	0.00	1.00	0.00	10.42	96.52	2.00	0.00	1.00	0.00
10.50	100.88	2.00	0.00	1.00	0.00	10.58	104.64	2.00	0.00	1.00	0.00
10.66	107.50	2.00	0.00	1.00	0.00	10.74	109.95	2.00	0.00	1.00	0.00
10.83	111.41	2.00	0.00	1.00	0.00	10.91	112.58	2.00	0.00	1.00	0.00
10.99	113.04	2.00	0.00	1.00	0.00	11.07	113.59	2.00	0.00	1.00	0.00
11.15	113.78	2.00	0.00	1.00	0.00	11.24	113.85	2.00	0.00	1.00	0.00
11.32	114.59	2.00	0.00	1.00	0.00	11.40	115.42	2.00	0.00	1.00	0.00
11.48	117.16	2.00	0.00	1.00	0.00	11.56	119.80	2.00	0.00	1.00	0.00
11.65	124.26	2.00	0.00	1.00	0.00	11.73	128.48	2.00	0.00	1.00	0.00
11.81	132.94	2.00	0.00	1.00	0.00	11.89	135.61	2.00	0.00	1.00	0.00
11.97	132.85	2.00	0.00	1.00	0.00	12.06	130.79	2.00	0.00	1.00	0.00
12.14	135.24	2.00	0.00	1.00	0.00	12.22	128.09	0.39	1.91	1.00	0.02
12.30	125.11	0.37	1.94	1.00	0.02	12.38	130.23	2.00	0.00	1.00	0.00
12.47	133.61	2.00	0.00	1.00	0.00	12.55	130.34	2.00	0.00	1.00	0.00
12.63	128.33	2.00	0.00	1.00	0.00	12.71	117.63	2.00	0.00	1.00	0.00
12.79	90.55	2.00	0.00	1.00	0.00	12.88	78.08	2.00	0.00	1.00	0.00
12.96	61.92	2.00	0.00	1.00	0.00	13.04	56.64	2.00	0.00	1.00	0.00
13.12	57.24	2.00	0.00	1.00	0.00	13.21	58.90	2.00	0.00	1.00	0.00
13.29	59.26	2.00	0.00	1.00	0.00	13.37	59.64	2.00	0.00	1.00	0.00
13.45	60.30	2.00	0.00	1.00	0.00	13.53	60.75	2.00	0.00	1.00	0.00
13.62	59.96	2.00	0.00	1.00	0.00	13.70	59.24	2.00	0.00	1.00	0.00
13.78	59.05	2.00	0.00	1.00	0.00	13.86	57.65	2.00	0.00	1.00	0.00
13.94	57.06	2.00	0.00	1.00	0.00	14.03	56.49	2.00	0.00	1.00	0.00
14.11	56.84	2.00	0.00	1.00	0.00	14.19	59.46	2.00	0.00	1.00	0.00
14.27	61.45	2.00	0.00	1.00	0.00	14.35	63.86	2.00	0.00	1.00	0.00
14.44	65.12	2.00	0.00	1.00	0.00	14.52	64.99	2.00	0.00	1.00	0.00
14.60	60.96	2.00	0.00	1.00	0.00	14.68	58.17	2.00	0.00	1.00	0.00
14.76	57.76	0.13	3.67	1.00	0.04	14.85	58.13	0.13	3.65	1.00	0.04
14.93	59.14	2.00	0.00	1.00	0.00	15.01	61.58	2.00	0.00	1.00	0.00
15.09	65.88	2.00	0.00	1.00	0.00	15.17	71.82	2.00	0.00	1.00	0.00
15.26	77.57	2.00	0.00	1.00	0.00	15.34	82.09	2.00	0.00	1.00	0.00
15.42	84.83	2.00	0.00	1.00	0.00	15.50	84.38	2.00	0.00	1.00	0.00
15.58	78.66	2.00	0.00	1.00	0.00	15.67	72.60	2.00	0.00	1.00	0.00
15.75	67.16	2.00	0.00	1.00	0.00	15.83	62.89	2.00	0.00	1.00	0.00
15.91	60.74	2.00	0.00	1.00	0.00	15.99	62.85	2.00	0.00	1.00	0.00
16.08	64.89	2.00	0.00	1.00	0.00	16.16	66.87	2.00	0.00	1.00	0.00
16.24	68.17	2.00	0.00	1.00	0.00	16.32	67.97	2.00	0.00	1.00	0.00
16.40	67.54	2.00	0.00	1.00	0.00	16.49	66.97	2.00	0.00	1.00	0.00
16.57	65.61	2.00	0.00	1.00	0.00	16.65	64.82	2.00	0.00	1.00	0.00
16.73	65.49	2.00	0.00	1.00	0.00	16.81	66.06	2.00	0.00	1.00	0.00
16.90	64.71	2.00	0.00	1.00	0.00	16.98	62.05	2.00	0.00	1.00	0.00
17.06	57.66	2.00	0.00	1.00	0.00	17.14	52.51	2.00	0.00	1.00	0.00
17.22	46.64	2.00	0.00	1.00	0.00	17.31	42.44	2.00	0.00	1.00	0.00
17.39	40.75	2.00	0.00	1.00	0.00	17.47	41.33	2.00	0.00	1.00	0.00
17.55	42.38	2.00	0.00	1.00	0.00	17.64	43.21	2.00	0.00	1.00	0.00
17.72	44.43	2.00	0.00	1.00	0.00	17.80	45.79	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (ft)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (in)	Depth (ft)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (in)
17.88	46.60	2.00	0.00	1.00	0.00	17.96	47.02	2.00	0.00	1.00	0.00
18.05	47.34	2.00	0.00	1.00	0.00	18.13	47.12	2.00	0.00	1.00	0.00
18.21	46.66	2.00	0.00	1.00	0.00	18.29	46.29	2.00	0.00	1.00	0.00
18.37	45.55	2.00	0.00	1.00	0.00	18.45	45.11	2.00	0.00	1.00	0.00
18.54	44.76	2.00	0.00	1.00	0.00	18.62	44.44	2.00	0.00	1.00	0.00
18.70	44.08	2.00	0.00	1.00	0.00	18.78	43.95	2.00	0.00	1.00	0.00
18.86	43.71	2.00	0.00	1.00	0.00	18.95	43.35	2.00	0.00	1.00	0.00
19.03	43.05	2.00	0.00	1.00	0.00	19.11	42.63	2.00	0.00	1.00	0.00
19.19	42.47	2.00	0.00	1.00	0.00	19.27	42.29	2.00	0.00	1.00	0.00
19.36	42.26	2.00	0.00	1.00	0.00	19.44	42.35	2.00	0.00	1.00	0.00
19.52	42.61	2.00	0.00	1.00	0.00	19.60	42.87	2.00	0.00	1.00	0.00
19.68	43.20	2.00	0.00	1.00	0.00	19.77	43.38	2.00	0.00	1.00	0.00
19.85	43.96	2.00	0.00	1.00	0.00	19.93	45.37	2.00	0.00	1.00	0.00
20.01	46.55	2.00	0.00	1.00	0.00	20.09	47.66	2.00	0.00	1.00	0.00
20.18	48.86	2.00	0.00	1.00	0.00	20.26	49.73	2.00	0.00	1.00	0.00
20.34	49.99	2.00	0.00	1.00	0.00	20.42	49.57	2.00	0.00	1.00	0.00
20.50	48.96	2.00	0.00	1.00	0.00	20.59	47.78	2.00	0.00	1.00	0.00
20.67	46.63	2.00	0.00	1.00	0.00	20.75	45.40	2.00	0.00	1.00	0.00
20.83	44.96	2.00	0.00	1.00	0.00	20.91	44.55	2.00	0.00	1.00	0.00
21.00	45.20	2.00	0.00	1.00	0.00	21.08	45.65	2.00	0.00	1.00	0.00
21.16	45.72	2.00	0.00	1.00	0.00	21.24	45.85	2.00	0.00	1.00	0.00
21.32	46.00	2.00	0.00	1.00	0.00	21.41	45.80	2.00	0.00	1.00	0.00
21.49	45.43	2.00	0.00	1.00	0.00	21.57	45.24	2.00	0.00	1.00	0.00
21.65	45.20	2.00	0.00	1.00	0.00	21.74	46.38	2.00	0.00	1.00	0.00
21.82	46.87	2.00	0.00	1.00	0.00	21.90	46.38	2.00	0.00	1.00	0.00
21.98	46.15	2.00	0.00	1.00	0.00	22.06	45.33	2.00	0.00	1.00	0.00
22.15	44.09	2.00	0.00	1.00	0.00	22.23	42.89	2.00	0.00	1.00	0.00
22.31	43.07	2.00	0.00	1.00	0.00	22.39	42.70	2.00	0.00	1.00	0.00
22.47	42.86	2.00	0.00	1.00	0.00	22.56	43.36	2.00	0.00	1.00	0.00
22.64	43.52	2.00	0.00	1.00	0.00	22.72	45.38	2.00	0.00	1.00	0.00
22.80	48.54	2.00	0.00	1.00	0.00	22.88	51.82	2.00	0.00	1.00	0.00
22.97	51.42	2.00	0.00	1.00	0.00	23.05	52.29	2.00	0.00	1.00	0.00
23.13	52.89	2.00	0.00	1.00	0.00	23.21	53.00	2.00	0.00	1.00	0.00
23.29	52.25	2.00	0.00	1.00	0.00	23.38	54.48	2.00	0.00	1.00	0.00
23.46	55.90	2.00	0.00	1.00	0.00	23.54	55.55	2.00	0.00	1.00	0.00
23.62	53.34	2.00	0.00	1.00	0.00	23.70	50.56	2.00	0.00	1.00	0.00
23.79	48.96	2.00	0.00	1.00	0.00	23.87	46.43	2.00	0.00	1.00	0.00
23.95	45.86	2.00	0.00	1.00	0.00	24.03	48.36	2.00	0.00	1.00	0.00
24.11	53.51	2.00	0.00	1.00	0.00	24.20	55.07	2.00	0.00	1.00	0.00
24.28	57.11	2.00	0.00	1.00	0.00	24.36	54.96	2.00	0.00	1.00	0.00
24.44	54.24	2.00	0.00	1.00	0.00	24.52	56.86	2.00	0.00	1.00	0.00
24.61	62.61	2.00	0.00	1.00	0.00	24.69	66.87	2.00	0.00	1.00	0.00
24.77	71.11	2.00	0.00	1.00	0.00	24.85	71.37	2.00	0.00	1.00	0.00
24.93	71.06	0.12	3.09	1.00	0.03	25.02	71.54	0.12	3.08	1.00	0.03
25.10	74.42	0.12	2.98	1.00	0.03	25.18	74.69	0.12	2.97	1.00	0.03
25.26	74.54	0.12	2.97	1.00	0.03	25.34	73.22	0.12	3.02	1.00	0.03
25.43	70.15	0.12	3.13	1.00	0.03	25.51	69.10	0.11	3.16	1.00	0.03
25.59	68.87	0.11	3.17	1.00	0.03	25.67	66.21	0.11	3.28	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (ft)	Q _{tn,cs}	FS	e _v (%)	DF	Settlement (in)	Depth (ft)	Q _{tn,cs}	FS	e _v (%)	DF	Settlement (in)
25.75	65.36	2.00	0.00	1.00	0.00	25.84	65.29	2.00	0.00	1.00	0.00
25.92	63.61	2.00	0.00	1.00	0.00	26.00	62.56	2.00	0.00	1.00	0.00
26.08	65.07	2.00	0.00	1.00	0.00	26.16	66.87	2.00	0.00	1.00	0.00
26.25	70.64	2.00	0.00	1.00	0.00	26.33	74.67	2.00	0.00	1.00	0.00
26.41	77.48	2.00	0.00	1.00	0.00	26.49	77.51	2.00	0.00	1.00	0.00
26.57	79.87	2.00	0.00	1.00	0.00	26.66	82.92	2.00	0.00	1.00	0.00
26.74	85.15	2.00	0.00	1.00	0.00	26.82	86.52	2.00	0.00	1.00	0.00
26.90	85.52	2.00	0.00	1.00	0.00	26.98	84.09	2.00	0.00	1.00	0.00
27.07	83.62	2.00	0.00	1.00	0.00	27.15	85.01	2.00	0.00	1.00	0.00
27.23	86.74	2.00	0.00	1.00	0.00	27.31	93.30	2.00	0.00	1.00	0.00
27.39	100.35	2.00	0.00	1.00	0.00	27.48	106.52	2.00	0.00	1.00	0.00
27.56	111.25	2.00	0.00	1.00	0.00	27.64	115.88	2.00	0.00	1.00	0.00
27.72	116.83	2.00	0.00	1.00	0.00	27.80	117.05	2.00	0.00	1.00	0.00
27.89	117.41	2.00	0.00	1.00	0.00	27.97	118.18	2.00	0.00	1.00	0.00
28.05	119.35	2.00	0.00	1.00	0.00	28.13	119.89	2.00	0.00	1.00	0.00
28.21	119.73	2.00	0.00	1.00	0.00	28.30	118.88	2.00	0.00	1.00	0.00
28.38	117.64	2.00	0.00	1.00	0.00	28.46	115.68	2.00	0.00	1.00	0.00
28.54	114.53	2.00	0.00	1.00	0.00	28.63	114.13	2.00	0.00	1.00	0.00
28.71	113.83	2.00	0.00	1.00	0.00	28.79	113.60	2.00	0.00	1.00	0.00
28.87	113.90	2.00	0.00	1.00	0.00	28.95	114.29	0.22	2.09	1.00	0.02
29.04	114.68	0.22	2.09	1.00	0.02	29.12	115.00	2.00	0.00	1.00	0.00
29.20	115.40	2.00	0.00	1.00	0.00	29.28	115.59	2.00	0.00	1.00	0.00
29.36	115.81	2.00	0.00	1.00	0.00	29.45	115.89	2.00	0.00	1.00	0.00
29.53	115.89	2.00	0.00	1.00	0.00	29.61	115.64	2.00	0.00	1.00	0.00
29.69	115.54	2.00	0.00	1.00	0.00	29.77	115.26	2.00	0.00	1.00	0.00
29.86	114.82	2.00	0.00	1.00	0.00	29.94	114.21	2.00	0.00	1.00	0.00
30.02	113.72	2.00	0.00	1.00	0.00	30.10	112.97	2.00	0.00	1.00	0.00
30.18	112.03	2.00	0.00	1.00	0.00	30.27	111.31	2.00	0.00	1.00	0.00
30.35	111.16	2.00	0.00	1.00	0.00	30.43	111.66	2.00	0.00	1.00	0.00
30.51	112.20	2.00	0.00	1.00	0.00	30.59	112.92	2.00	0.00	1.00	0.00
30.68	113.61	2.00	0.00	1.00	0.00	30.76	114.29	2.00	0.00	1.00	0.00
30.84	114.41	2.00	0.00	1.00	0.00	30.92	115.05	2.00	0.00	1.00	0.00
31.00	115.47	2.00	0.00	1.00	0.00	31.09	115.99	2.00	0.00	1.00	0.00
31.17	106.88	2.00	0.00	1.00	0.00	31.25	107.62	2.00	0.00	1.00	0.00
31.33	108.31	2.00	0.00	1.00	0.00	31.41	109.35	2.00	0.00	1.00	0.00
31.50	110.87	2.00	0.00	1.00	0.00	31.58	119.88	2.00	0.00	1.00	0.00
31.66	118.84	2.00	0.00	1.00	0.00	31.74	117.28	2.00	0.00	1.00	0.00
31.82	115.66	2.00	0.00	1.00	0.00	31.91	113.57	2.00	0.00	1.00	0.00
31.99	113.72	2.00	0.00	1.00	0.00	32.07	114.51	2.00	0.00	1.00	0.00
32.15	115.54	2.00	0.00	1.00	0.00	32.23	116.39	2.00	0.00	1.00	0.00
32.32	116.89	2.00	0.00	1.00	0.00	32.40	116.09	2.00	0.00	1.00	0.00
32.48	115.14	2.00	0.00	1.00	0.00	32.56	114.36	2.00	0.00	1.00	0.00
32.64	111.14	2.00	0.00	1.00	0.00	32.73	110.25	2.00	0.00	1.00	0.00
32.81	110.01	2.00	0.00	1.00	0.00	32.89	110.13	2.00	0.00	1.00	0.00
32.97	109.78	2.00	0.00	1.00	0.00	33.05	112.06	2.00	0.00	1.00	0.00
33.14	111.89	2.00	0.00	1.00	0.00	33.22	111.58	2.00	0.00	1.00	0.00
33.30	110.65	2.00	0.00	1.00	0.00	33.38	109.56	2.00	0.00	1.00	0.00
33.47	108.77	0.20	2.18	1.00	0.02	33.55	108.98	0.20	2.18	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (ft)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (in)	Depth (ft)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (in)
33.63	109.23	2.00	0.00	1.00	0.00	33.71	109.16	2.00	0.00	1.00	0.00
33.79	109.18	2.00	0.00	1.00	0.00	33.88	108.82	2.00	0.00	1.00	0.00
33.96	108.19	2.00	0.00	1.00	0.00	34.04	107.82	2.00	0.00	1.00	0.00
34.12	107.36	2.00	0.00	1.00	0.00	34.20	106.86	2.00	0.00	1.00	0.00
34.28	106.85	2.00	0.00	1.00	0.00	34.37	106.12	2.00	0.00	1.00	0.00
34.45	105.20	2.00	0.00	1.00	0.00	34.53	105.08	2.00	0.00	1.00	0.00
34.61	105.49	2.00	0.00	1.00	0.00	34.70	106.60	2.00	0.00	1.00	0.00
34.78	108.63	2.00	0.00	1.00	0.00	34.86	110.69	2.00	0.00	1.00	0.00
34.94	112.67	2.00	0.00	1.00	0.00	35.02	114.25	2.00	0.00	1.00	0.00
35.10	114.10	2.00	0.00	1.00	0.00	35.19	113.05	2.00	0.00	1.00	0.00
35.27	111.75	0.21	2.13	1.00	0.02	35.35	110.18	0.20	2.16	1.00	0.02
35.43	108.49	0.20	2.19	1.00	0.02	35.52	106.86	0.19	2.21	1.00	0.02
35.60	104.94	0.19	2.25	1.00	0.02	35.68	102.64	0.18	2.29	1.00	0.02
35.76	99.84	0.17	2.34	1.00	0.02	35.84	96.99	0.16	2.40	1.00	0.02
35.92	95.02	0.16	2.44	1.00	0.02	36.01	94.05	0.16	2.46	1.00	0.02
36.09	94.26	0.16	2.45	1.00	0.02	36.17	94.76	0.16	2.44	1.00	0.02
36.25	95.80	0.16	2.42	1.00	0.02	36.34	98.66	0.17	2.36	1.00	0.02
36.42	104.24	0.18	2.26	1.00	0.02	36.50	113.00	0.21	2.11	1.00	0.02
36.58	123.86	0.25	1.96	1.00	0.02	36.66	136.65	0.32	1.81	1.00	0.02
36.74	149.68	0.39	1.68	1.00	0.02	36.83	161.26	2.00	0.00	1.00	0.00
36.91	169.65	2.00	0.00	1.00	0.00	36.99	175.25	2.00	0.00	1.00	0.00
37.07	177.23	2.00	0.00	1.00	0.00	37.16	175.96	2.00	0.00	1.00	0.00
37.24	173.42	2.00	0.00	1.00	0.00	37.32	171.42	2.00	0.00	1.00	0.00
37.40	169.05	2.00	0.00	1.00	0.00	37.48	166.81	2.00	0.00	1.00	0.00
37.57	163.05	2.00	0.00	1.00	0.00	37.65	156.73	2.00	0.00	1.00	0.00
37.73	148.43	2.00	0.00	1.00	0.00	37.81	140.59	2.00	0.00	1.00	0.00
37.89	133.27	0.30	1.85	1.00	0.02	37.98	127.95	0.27	1.91	1.00	0.02
38.06	125.33	0.26	1.94	1.00	0.02	38.14	124.14	0.26	1.96	1.00	0.02
38.22	125.22	0.26	1.94	1.00	0.02	38.30	129.62	0.28	1.89	1.00	0.02
38.39	134.94	0.31	1.83	1.00	0.02	38.47	131.82	0.29	1.86	1.00	0.02
38.55	133.48	0.30	1.84	1.00	0.02	38.63	136.04	0.31	1.82	1.00	0.02
38.71	134.85	0.31	1.83	1.00	0.02	38.80	133.41	0.30	1.84	1.00	0.02
38.88	138.90	2.00	0.00	1.00	0.00	38.96	138.46	2.00	0.00	1.00	0.00
39.04	134.91	2.00	0.00	1.00	0.00	39.12	131.50	2.00	0.00	1.00	0.00
39.21	127.50	0.27	1.91	1.00	0.02	39.29	124.67	0.26	1.95	1.00	0.02
39.37	122.29	0.25	1.98	1.00	0.02	39.45	120.24	2.00	0.00	1.00	0.00
39.53	119.28	2.00	0.00	1.00	0.00	39.62	119.25	2.00	0.00	1.00	0.00
39.70	119.91	2.00	0.00	1.00	0.00	39.78	121.32	2.00	0.00	1.00	0.00
39.86	123.50	2.00	0.00	1.00	0.00	39.94	122.22	2.00	0.00	1.00	0.00
40.03	122.64	2.00	0.00	1.00	0.00	40.11	122.69	2.00	0.00	1.00	0.00
40.19	122.45	2.00	0.00	1.00	0.00	40.27	122.02	2.00	0.00	1.00	0.00
40.35	124.39	2.00	0.00	1.00	0.00	40.44	124.81	2.00	0.00	1.00	0.00
40.52	124.86	2.00	0.00	1.00	0.00	40.60	124.48	2.00	0.00	1.00	0.00
40.68	124.72	2.00	0.00	1.00	0.00	40.76	125.37	2.00	0.00	1.00	0.00
40.85	125.45	2.00	0.00	1.00	0.00	40.93	125.63	2.00	0.00	1.00	0.00
41.01	126.13	2.00	0.00	1.00	0.00	41.09	125.67	2.00	0.00	1.00	0.00
41.17	124.75	2.00	0.00	1.00	0.00	41.26	123.86	2.00	0.00	1.00	0.00
41.34	122.91	2.00	0.00	1.00	0.00	41.42	122.36	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (ft)	Q _{tn,cs}	FS	e _v (%)	DF	Settlement (in)	Depth (ft)	Q _{tn,cs}	FS	e _v (%)	DF	Settlement (in)
41.50	122.00	2.00	0.00	1.00	0.00	41.59	122.03	2.00	0.00	1.00	0.00
41.67	122.47	2.00	0.00	1.00	0.00	41.75	122.99	2.00	0.00	1.00	0.00
41.83	122.78	2.00	0.00	1.00	0.00	41.91	121.32	2.00	0.00	1.00	0.00
41.99	120.17	2.00	0.00	1.00	0.00	42.08	118.89	2.00	0.00	1.00	0.00
42.16	118.08	2.00	0.00	1.00	0.00	42.24	117.44	2.00	0.00	1.00	0.00
42.32	117.92	2.00	0.00	1.00	0.00	42.41	118.20	2.00	0.00	1.00	0.00
42.49	118.21	2.00	0.00	1.00	0.00	42.57	117.88	2.00	0.00	1.00	0.00
42.65	117.89	2.00	0.00	1.00	0.00	42.73	118.17	2.00	0.00	1.00	0.00
42.81	117.43	2.00	0.00	1.00	0.00	42.90	117.59	2.00	0.00	1.00	0.00
42.98	117.64	2.00	0.00	1.00	0.00	43.06	117.29	2.00	0.00	1.00	0.00
43.14	116.54	2.00	0.00	1.00	0.00	43.23	116.28	2.00	0.00	1.00	0.00
43.31	115.30	2.00	0.00	1.00	0.00	43.39	114.43	2.00	0.00	1.00	0.00
43.47	113.74	2.00	0.00	1.00	0.00	43.55	112.77	2.00	0.00	1.00	0.00
43.63	112.27	2.00	0.00	1.00	0.00	43.72	111.84	2.00	0.00	1.00	0.00
43.80	111.43	2.00	0.00	1.00	0.00	43.88	111.04	2.00	0.00	1.00	0.00
43.96	111.33	2.00	0.00	1.00	0.00	44.05	111.57	2.00	0.00	1.00	0.00
44.13	111.95	2.00	0.00	1.00	0.00	44.21	112.54	2.00	0.00	1.00	0.00
44.29	111.90	2.00	0.00	1.00	0.00	44.37	112.13	2.00	0.00	1.00	0.00
44.45	112.70	2.00	0.00	1.00	0.00	44.54	112.47	2.00	0.00	1.00	0.00
44.62	112.05	2.00	0.00	1.00	0.00	44.70	112.85	2.00	0.00	1.00	0.00
44.78	112.63	2.00	0.00	1.00	0.00	44.87	112.12	2.00	0.00	1.00	0.00
44.95	112.34	2.00	0.00	1.00	0.00	45.03	112.97	2.00	0.00	1.00	0.00
45.11	105.21	2.00	0.00	1.00	0.00	45.19	106.23	2.00	0.00	1.00	0.00
45.28	107.86	2.00	0.00	1.00	0.00	45.36	109.21	2.00	0.00	1.00	0.00
45.44	110.26	2.00	0.00	1.00	0.00	45.52	118.27	2.00	0.00	1.00	0.00
45.60	117.97	2.00	0.00	1.00	0.00	45.69	116.98	2.00	0.00	1.00	0.00
45.77	115.90	2.00	0.00	1.00	0.00	45.85	114.45	2.00	0.00	1.00	0.00
45.93	104.62	2.00	0.00	1.00	0.00	46.01	103.81	2.00	0.00	1.00	0.00
46.10	103.61	2.00	0.00	1.00	0.00	46.18	103.68	2.00	0.00	1.00	0.00
46.26	104.62	2.00	0.00	1.00	0.00	46.34	113.91	2.00	0.00	1.00	0.00
46.42	114.21	2.00	0.00	1.00	0.00	46.51	113.92	2.00	0.00	1.00	0.00
46.59	113.38	2.00	0.00	1.00	0.00	46.67	112.29	2.00	0.00	1.00	0.00
46.75	113.30	2.00	0.00	1.00	0.00	46.83	114.42	0.22	2.09	1.00	0.02
46.92	116.36	0.23	2.06	1.00	0.02	47.00	119.10	2.00	0.00	1.00	0.00
47.08	120.58	2.00	0.00	1.00	0.00	47.16	120.27	2.00	0.00	1.00	0.00
47.24	118.98	2.00	0.00	1.00	0.00	47.33	117.33	2.00	0.00	1.00	0.00
47.41	113.69	2.00	0.00	1.00	0.00	47.49	111.69	2.00	0.00	1.00	0.00
47.57	111.64	2.00	0.00	1.00	0.00	47.65	113.27	0.22	2.11	1.00	0.02
47.74	114.90	0.23	2.09	1.00	0.02	47.82	117.80	0.24	2.04	1.00	0.02
47.90	120.32	0.25	2.01	1.00	0.02	47.98	122.82	0.26	1.97	1.00	0.02
48.06	124.82	0.27	1.95	1.00	0.02	48.15	127.73	0.28	1.91	1.00	0.02
48.23	130.29	0.29	1.88	1.00	0.02	48.31	132.36	0.30	1.86	1.00	0.02
48.39	133.28	0.31	1.85	1.00	0.02	48.47	132.69	0.30	1.85	1.00	0.02
48.56	128.44	0.28	1.90	1.00	0.02	48.64	124.74	0.27	1.95	1.00	0.02
48.72	121.51	0.25	1.99	1.00	0.02	48.80	118.17	0.24	2.04	1.00	0.02
48.88	115.97	2.00	0.00	1.00	0.00	48.97	115.93	2.00	0.00	1.00	0.00
49.05	114.73	2.00	0.00	1.00	0.00	49.13	113.10	2.00	0.00	1.00	0.00
49.21	111.12	2.00	0.00	1.00	0.00	49.30	110.03	2.00	0.00	1.00	0.00

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

Depth (ft)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (in)	Depth (ft)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (in)
49.38	109.21	2.00	0.00	1.00	0.00	49.46	108.93	2.00	0.00	1.00	0.00
49.54	109.02	2.00	0.00	1.00	0.00	49.62	109.81	2.00	0.00	1.00	0.00
49.70	109.84	2.00	0.00	1.00	0.00	49.79	109.68	2.00	0.00	1.00	0.00
49.87	109.16	2.00	0.00	1.00	0.00	49.95	107.23	2.00	0.00	1.00	0.00
50.03	106.23	2.00	0.00	1.00	0.00	50.12	105.55	2.00	0.00	1.00	0.00
50.20	104.98	2.00	0.00	1.00	0.00	50.28	104.12	2.00	0.00	1.00	0.00
50.36	104.41	2.00	0.00	1.00	0.00	50.44	103.77	2.00	0.00	1.00	0.00
50.52	102.87	2.00	0.00	1.00	0.00	50.61	101.65	2.00	0.00	1.00	0.00
50.69	97.40	2.00	0.00	1.00	0.00	50.77	96.21	2.00	0.00	1.00	0.00
50.85	95.58	2.00	0.00	1.00	0.00	50.94	95.12	2.00	0.00	1.00	0.00
51.02	95.48	2.00	0.00	1.00	0.00	51.10	98.93	2.00	0.00	1.00	0.00
51.18	99.24	2.00	0.00	1.00	0.00	51.26	98.89	2.00	0.00	1.00	0.00
51.34	97.98	2.00	0.00	1.00	0.00	51.43	96.03	2.00	0.00	1.00	0.00
51.51	94.76	2.00	0.00	1.00	0.00	51.59	93.64	2.00	0.00	1.00	0.00
51.67	92.77	2.00	0.00	1.00	0.00	51.76	92.01	2.00	0.00	1.00	0.00
51.84	91.68	2.00	0.00	1.00	0.00	51.92	90.99	2.00	0.00	1.00	0.00
52.00	90.39	2.00	0.00	1.00	0.00	52.08	89.59	2.00	0.00	1.00	0.00
52.16	88.40	2.00	0.00	1.00	0.00	52.25	87.77	2.00	0.00	1.00	0.00
52.33	87.45	2.00	0.00	1.00	0.00	52.41	87.52	2.00	0.00	1.00	0.00
52.49	88.02	2.00	0.00	1.00	0.00	52.58	89.00	2.00	0.00	1.00	0.00
52.66	89.47	2.00	0.00	1.00	0.00	52.74	89.67	2.00	0.00	1.00	0.00
52.82	89.44	2.00	0.00	1.00	0.00	52.90	85.79	2.00	0.00	1.00	0.00
52.99	85.90	2.00	0.00	1.00	0.00	53.07	86.73	2.00	0.00	1.00	0.00
53.15	87.96	2.00	0.00	1.00	0.00	53.23	89.94	2.00	0.00	1.00	0.00
53.31	94.64	2.00	0.00	1.00	0.00	53.40	95.67	2.00	0.00	1.00	0.00
53.48	95.68	2.00	0.00	1.00	0.00	53.56	94.61	2.00	0.00	1.00	0.00
53.64	92.05	2.00	0.00	1.00	0.00	53.72	89.46	2.00	0.00	1.00	0.00
53.81	86.33	2.00	0.00	1.00	0.00	53.89	83.05	2.00	0.00	1.00	0.00
53.97	80.36	2.00	0.00	1.00	0.00	54.05	78.74	2.00	0.00	1.00	0.00
54.13	77.50	2.00	0.00	1.00	0.00	54.22	76.84	2.00	0.00	1.00	0.00
54.30	76.70	2.00	0.00	1.00	0.00	54.38	76.60	2.00	0.00	1.00	0.00
54.46	75.74	2.00	0.00	1.00	0.00	54.54	75.37	2.00	0.00	1.00	0.00
54.63	75.51	2.00	0.00	1.00	0.00	54.71	75.21	2.00	0.00	1.00	0.00
54.79	74.62	2.00	0.00	1.00	0.00	54.87	75.02	2.00	0.00	1.00	0.00
54.95	75.37	2.00	0.00	1.00	0.00	55.04	75.87	2.00	0.00	1.00	0.00
55.12	77.13	2.00	0.00	1.00	0.00	55.20	76.61	2.00	0.00	1.00	0.00
55.28	77.91	2.00	0.00	1.00	0.00	55.36	79.43	2.00	0.00	1.00	0.00
55.45	80.83	2.00	0.00	1.00	0.00	55.53	82.38	2.00	0.00	1.00	0.00
55.61	85.83	2.00	0.00	1.00	0.00	55.69	87.36	2.00	0.00	1.00	0.00
55.77	89.20	2.00	0.00	1.00	0.00	55.86	91.22	2.00	0.00	1.00	0.00
55.94	93.40	2.00	0.00	1.00	0.00	56.02	95.43	2.00	0.00	1.00	0.00
56.10	98.73	2.00	0.00	1.00	0.00	56.18	101.57	2.00	0.00	1.00	0.00
56.27	104.64	2.00	0.00	1.00	0.00	56.35	107.55	2.00	0.00	1.00	0.00
56.43	110.39	2.00	0.00	1.00	0.00	56.51	111.83	2.00	0.00	1.00	0.00
56.59	112.77	2.00	0.00	1.00	0.00	56.68	112.29	2.00	0.00	1.00	0.00
56.76	110.29	2.00	0.00	1.00	0.00	56.84	108.02	2.00	0.00	1.00	0.00
56.92	105.46	2.00	0.00	1.00	0.00	57.01	102.26	2.00	0.00	1.00	0.00
57.09	99.08	2.00	0.00	1.00	0.00	57.17	96.90	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (ft)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (in)	Depth (ft)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (in)
57.25	94.57	2.00	0.00	1.00	0.00	57.33	92.24	2.00	0.00	1.00	0.00
57.41	90.25	2.00	0.00	1.00	0.00	57.50	88.39	2.00	0.00	1.00	0.00
57.58	86.39	2.00	0.00	1.00	0.00	57.66	84.72	2.00	0.00	1.00	0.00
57.74	83.19	2.00	0.00	1.00	0.00	57.83	81.78	2.00	0.00	1.00	0.00
57.91	80.78	2.00	0.00	1.00	0.00	57.99	80.00	2.00	0.00	1.00	0.00
58.07	79.12	2.00	0.00	1.00	0.00	58.15	78.26	2.00	0.00	1.00	0.00
58.23	77.69	2.00	0.00	1.00	0.00	58.32	76.91	2.00	0.00	1.00	0.00
58.40	76.26	2.00	0.00	1.00	0.00	58.48	75.73	2.00	0.00	1.00	0.00
58.56	75.38	2.00	0.00	1.00	0.00	58.65	75.30	2.00	0.00	1.00	0.00
58.73	76.02	2.00	0.00	1.00	0.00	58.81	76.76	2.00	0.00	1.00	0.00
58.89	77.81	2.00	0.00	1.00	0.00	58.97	78.95	2.00	0.00	1.00	0.00
59.05	80.36	2.00	0.00	1.00	0.00	59.14	81.24	2.00	0.00	1.00	0.00
59.22	82.09	2.00	0.00	1.00	0.00	59.30	82.73	2.00	0.00	1.00	0.00
59.38	83.04	2.00	0.00	1.00	0.00	59.47	82.76	2.00	0.00	1.00	0.00
59.55	82.39	2.00	0.00	1.00	0.00	59.63	81.92	2.00	0.00	1.00	0.00
59.71	81.62	2.00	0.00	1.00	0.00	59.79	82.15	2.00	0.00	1.00	0.00
59.88	83.09	2.00	0.00	1.00	0.00	59.96	84.37	2.00	0.00	1.00	0.00
60.04	85.89	2.00	0.00	1.00	0.00	60.12	87.17	2.00	0.00	1.00	0.00
60.20	87.86	2.00	0.00	1.00	0.00	60.28	87.87	2.00	0.00	1.00	0.00
60.37	87.78	2.00	0.00	1.00	0.00	60.45	87.58	2.00	0.00	1.00	0.00
60.53	87.47	2.00	0.00	1.00	0.00	60.61	87.24	2.00	0.00	1.00	0.00
60.70	86.99	2.00	0.00	1.00	0.00	60.78	86.26	2.00	0.00	1.00	0.00
60.86	85.46	2.00	0.00	1.00	0.00	60.94	84.17	2.00	0.00	1.00	0.00
61.02	83.06	2.00	0.00	1.00	0.00	61.11	82.93	2.00	0.00	1.00	0.00
61.19	84.68	2.00	0.00	1.00	0.00	61.27	87.37	2.00	0.00	1.00	0.00
61.35	91.02	2.00	0.00	1.00	0.00	61.43	94.77	2.00	0.00	1.00	0.00
61.52	98.25	2.00	0.00	1.00	0.00	61.60	100.71	2.00	0.00	1.00	0.00
61.68	102.38	2.00	0.00	1.00	0.00	61.76	100.34	2.00	0.00	1.00	0.00
61.84	100.40	2.00	0.00	1.00	0.00	61.93	100.21	2.00	0.00	1.00	0.00
62.01	99.87	2.00	0.00	1.00	0.00	62.09	99.88	2.00	0.00	1.00	0.00
62.17	102.78	2.00	0.00	1.00	0.00	62.25	103.90	2.00	0.00	1.00	0.00
62.34	105.20	2.00	0.00	1.00	0.00	62.42	106.34	2.00	0.00	1.00	0.00
62.50	102.81	2.00	0.00	1.00	0.00	62.58	102.90	2.00	0.00	1.00	0.00
62.66	102.73	2.00	0.00	1.00	0.00	62.75	102.22	2.00	0.00	1.00	0.00
62.83	102.17	2.00	0.00	1.00	0.00	62.91	105.93	2.00	0.00	1.00	0.00
62.99	106.05	2.00	0.00	1.00	0.00	63.07	106.04	2.00	0.00	1.00	0.00
63.16	106.40	2.00	0.00	1.00	0.00	63.24	106.52	2.00	0.00	1.00	0.00
63.32	107.30	2.00	0.00	1.00	0.00	63.40	108.54	2.00	0.00	1.00	0.00
63.48	109.81	2.00	0.00	1.00	0.00	63.57	111.05	2.00	0.00	1.00	0.00
63.65	112.35	2.00	0.00	1.00	0.00	63.73	113.85	2.00	0.00	1.00	0.00
63.81	115.43	2.00	0.00	1.00	0.00	63.89	116.97	2.00	0.00	1.00	0.00
63.98	117.85	2.00	0.00	1.00	0.00	64.06	114.84	2.00	0.00	1.00	0.00
64.14	113.77	2.00	0.00	1.00	0.00	64.22	111.95	2.00	0.00	1.00	0.00
64.30	109.62	2.00	0.00	1.00	0.00	64.39	107.33	2.00	0.00	1.00	0.00
64.47	108.13	2.00	0.00	1.00	0.00	64.55	105.95	2.00	0.00	1.00	0.00
64.63	103.73	2.00	0.00	1.00	0.00	64.72	101.99	2.00	0.00	1.00	0.00
64.80	100.83	2.00	0.00	1.00	0.00	64.88	96.34	2.00	0.00	1.00	0.00
64.96	96.36	2.00	0.00	1.00	0.00	65.04	96.82	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (ft)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (in)	Depth (ft)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (in)
65.13	97.11	2.00	0.00	1.00	0.00	65.21	97.35	2.00	0.00	1.00	0.00
65.29	100.98	2.00	0.00	1.00	0.00	65.37	100.90	2.00	0.00	1.00	0.00
65.45	100.90	2.00	0.00	1.00	0.00	65.53	100.84	2.00	0.00	1.00	0.00
65.62	96.23	2.00	0.00	1.00	0.00	65.70	92.60	2.00	0.00	1.00	0.00
65.78	88.90	2.00	0.00	1.00	0.00	65.86	87.19	2.00	0.00	1.00	0.00
65.94	86.50	2.00	0.00	1.00	0.00	66.03	91.54	2.00	0.00	1.00	0.00
66.11	95.66	2.00	0.00	1.00	0.00	66.19	99.07	2.00	0.00	1.00	0.00
66.27	100.40	2.00	0.00	1.00	0.00	66.36	101.17	2.00	0.00	1.00	0.00
66.44	101.03	2.00	0.00	1.00	0.00	66.52	101.00	2.00	0.00	1.00	0.00
66.60	100.79	2.00	0.00	1.00	0.00	66.68	97.69	2.00	0.00	1.00	0.00
66.77	95.80	2.00	0.00	1.00	0.00	66.85	94.65	2.00	0.00	1.00	0.00
66.93	93.29	2.00	0.00	1.00	0.00	67.01	92.44	2.00	0.00	1.00	0.00
67.09	94.33	2.00	0.00	1.00	0.00	67.17	95.01	2.00	0.00	1.00	0.00
67.26	95.14	2.00	0.00	1.00	0.00	67.34	95.36	2.00	0.00	1.00	0.00
67.42	95.25	2.00	0.00	1.00	0.00	67.50	93.68	2.00	0.00	1.00	0.00
67.58	92.67	2.00	0.00	1.00	0.00	67.67	92.19	2.00	0.00	1.00	0.00
67.75	91.51	2.00	0.00	1.00	0.00	67.83	90.43	2.00	0.00	1.00	0.00
67.91	91.08	2.00	0.00	1.00	0.00	68.00	91.00	2.00	0.00	1.00	0.00
68.08	90.36	2.00	0.00	1.00	0.00	68.16	90.11	2.00	0.00	1.00	0.00
68.24	90.35	2.00	0.00	1.00	0.00	68.32	89.10	2.00	0.00	1.00	0.00
68.41	88.41	2.00	0.00	1.00	0.00	68.49	87.70	2.00	0.00	1.00	0.00
68.57	87.13	2.00	0.00	1.00	0.00	68.65	86.75	2.00	0.00	1.00	0.00
68.73	87.91	2.00	0.00	1.00	0.00	68.82	88.56	2.00	0.00	1.00	0.00
68.90	89.03	2.00	0.00	1.00	0.00	68.98	89.26	2.00	0.00	1.00	0.00
69.06	89.36	2.00	0.00	1.00	0.00	69.14	89.19	2.00	0.00	1.00	0.00
69.23	87.55	2.00	0.00	1.00	0.00	69.31	86.99	2.00	0.00	1.00	0.00
69.39	86.58	2.00	0.00	1.00	0.00	69.47	86.14	2.00	0.00	1.00	0.00
69.55	86.06	2.00	0.00	1.00	0.00	69.64	87.20	2.00	0.00	1.00	0.00
69.72	87.15	2.00	0.00	1.00	0.00	69.80	86.80	2.00	0.00	1.00	0.00
69.88	86.38	2.00	0.00	1.00	0.00	69.96	85.99	2.00	0.00	1.00	0.00
70.05	85.50	2.00	0.00	1.00	0.00	70.13	85.02	2.00	0.00	1.00	0.00
70.21	84.58	2.00	0.00	1.00	0.00	70.29	84.10	2.00	0.00	1.00	0.00
70.37	83.37	2.00	0.00	1.00	0.00	70.46	82.84	2.00	0.00	1.00	0.00
70.54	82.34	2.00	0.00	1.00	0.00	70.62	74.35	2.00	0.00	1.00	0.00
70.70	65.85	2.00	0.00	1.00	0.00	70.78	56.69	2.00	0.00	1.00	0.00
70.87	46.90	2.00	0.00	1.00	0.00	70.95	45.59	2.00	0.00	1.00	0.00
71.03	55.04	2.00	0.00	1.00	0.00	71.11	63.98	2.00	0.00	1.00	0.00
71.19	72.31	2.00	0.00	1.00	0.00	71.28	80.12	2.00	0.00	1.00	0.00
71.36	80.03	2.00	0.00	1.00	0.00	71.44	78.93	2.00	0.00	1.00	0.00
71.52	78.44	2.00	0.00	1.00	0.00	71.60	78.46	2.00	0.00	1.00	0.00
71.69	78.72	2.00	0.00	1.00	0.00	71.77	79.62	2.00	0.00	1.00	0.00
71.85	81.95	2.00	0.00	1.00	0.00	71.93	83.63	2.00	0.00	1.00	0.00
72.01	84.90	2.00	0.00	1.00	0.00	72.10	85.57	2.00	0.00	1.00	0.00
72.18	85.57	2.00	0.00	1.00	0.00	72.26	86.22	2.00	0.00	1.00	0.00
72.34	86.82	2.00	0.00	1.00	0.00	72.42	86.47	2.00	0.00	1.00	0.00
72.51	85.77	2.00	0.00	1.00	0.00	72.59	83.66	2.00	0.00	1.00	0.00
72.67	78.71	2.00	0.00	1.00	0.00	72.75	76.63	2.00	0.00	1.00	0.00
72.83	75.49	2.00	0.00	1.00	0.00	72.92	75.17	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (ft)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (in)	Depth (ft)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (in)
73.00	77.05	2.00	0.00	1.00	0.00	73.08	80.91	2.00	0.00	1.00	0.00
73.16	81.39	2.00	0.00	1.00	0.00	73.25	81.34	2.00	0.00	1.00	0.00
73.33	81.07	2.00	0.00	1.00	0.00	73.41	77.05	2.00	0.00	1.00	0.00
73.49	75.51	2.00	0.00	1.00	0.00	73.57	75.09	2.00	0.00	1.00	0.00
73.66	75.38	2.00	0.00	1.00	0.00	73.74	76.05	2.00	0.00	1.00	0.00
73.82	80.08	2.00	0.00	1.00	0.00	73.90	81.64	2.00	0.00	1.00	0.00
73.98	82.17	2.00	0.00	1.00	0.00	74.06	82.12	2.00	0.00	1.00	0.00
74.15	81.34	2.00	0.00	1.00	0.00	74.23	79.03	2.00	0.00	1.00	0.00
74.31	75.13	2.00	0.00	1.00	0.00	74.39	73.97	2.00	0.00	1.00	0.00
74.47	72.86	2.00	0.00	1.00	0.00	74.56	72.21	2.00	0.00	1.00	0.00
74.64	71.20	2.00	0.00	1.00	0.00	74.72	73.37	2.00	0.00	1.00	0.00
74.80	73.38	2.00	0.00	1.00	0.00	74.89	73.69	2.00	0.00	1.00	0.00
74.97	73.57	2.00	0.00	1.00	0.00	75.05	75.20	2.00	0.00	1.00	0.00
75.13	73.22	2.00	0.00	1.00	0.00	75.21	72.19	2.00	0.00	1.00	0.00
75.30	67.94	2.00	0.00	1.00	0.00	75.38	67.25	2.00	0.00	1.00	0.00
75.46	68.17	2.00	0.00	1.00	0.00	75.54	71.38	2.00	0.00	1.00	0.00
75.62	73.70	2.00	0.00	1.00	0.00	75.70	79.32	2.00	0.00	1.00	0.00
75.79	82.13	2.00	0.00	1.00	0.00	75.87	82.89	2.00	0.00	1.00	0.00
75.95	85.12	2.00	0.00	1.00	0.00	76.03	86.77	2.00	0.00	1.00	0.00
76.11	88.03	2.00	0.00	1.00	0.00	76.20	89.26	2.00	0.00	1.00	0.00
76.28	91.29	2.00	0.00	1.00	0.00	76.36	89.11	2.00	0.00	1.00	0.00
76.44	89.27	2.00	0.00	1.00	0.00	76.53	89.57	2.00	0.00	1.00	0.00
76.61	89.96	2.00	0.00	1.00	0.00	76.69	90.59	2.00	0.00	1.00	0.00
76.77	93.44	2.00	0.00	1.00	0.00	76.85	93.56	2.00	0.00	1.00	0.00
76.94	93.52	2.00	0.00	1.00	0.00	77.02	93.48	2.00	0.00	1.00	0.00
77.10	90.71	2.00	0.00	1.00	0.00	77.18	87.64	2.00	0.00	1.00	0.00
77.26	86.95	2.00	0.00	1.00	0.00	77.35	88.16	2.00	0.00	1.00	0.00
77.43	87.69	2.00	0.00	1.00	0.00	77.51	92.46	2.00	0.00	1.00	0.00
77.59	98.01	2.00	0.00	1.00	0.00	77.67	101.45	2.00	0.00	1.00	0.00
77.76	103.02	2.00	0.00	1.00	0.00	77.84	105.47	2.00	0.00	1.00	0.00
77.92	103.04	2.00	0.00	1.00	0.00	78.00	99.42	2.00	0.00	1.00	0.00
78.08	98.89	2.00	0.00	1.00	0.00	78.17	99.20	2.00	0.00	1.00	0.00
78.25	100.59	2.00	0.00	1.00	0.00	78.33	105.11	2.00	0.00	1.00	0.00
78.41	110.83	2.00	0.00	1.00	0.00	78.49	113.49	2.00	0.00	1.00	0.00
78.58	110.05	2.00	0.00	1.00	0.00	78.66	109.04	2.00	0.00	1.00	0.00
78.74	107.85	2.00	0.00	1.00	0.00	78.82	105.60	2.00	0.00	1.00	0.00
78.90	103.68	2.00	0.00	1.00	0.00	78.99	107.00	2.00	0.00	1.00	0.00
79.07	106.71	2.00	0.00	1.00	0.00	79.15	105.90	2.00	0.00	1.00	0.00
79.23	105.27	2.00	0.00	1.00	0.00	79.31	104.23	2.00	0.00	1.00	0.00
79.40	102.80	2.00	0.00	1.00	0.00	79.48	101.95	2.00	0.00	1.00	0.00
79.56	100.95	2.00	0.00	1.00	0.00	79.64	99.79	2.00	0.00	1.00	0.00
79.72	98.58	2.00	0.00	1.00	0.00	79.81	97.71	2.00	0.00	1.00	0.00
79.89	92.43	2.00	0.00	1.00	0.00	79.97	87.23	2.00	0.00	1.00	0.00
80.05	85.12	2.00	0.00	1.00	0.00	80.14	83.66	2.00	0.00	1.00	0.00
80.22	82.95	2.00	0.00	1.00	0.00	80.30	86.77	2.00	0.00	1.00	0.00
80.38	89.82	2.00	0.00	1.00	0.00	80.46	89.70	2.00	0.00	1.00	0.00
80.55	87.28	2.00	0.00	1.00	0.00	80.63	85.21	2.00	0.00	1.00	0.00
80.71	83.21	2.00	0.00	1.00	0.00	80.79	81.73	2.00	0.00	1.00	0.00

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

Depth (ft)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (in)	Depth (ft)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (in)
80.87	80.53	2.00	0.00	1.00	0.00	80.95	81.12	2.00	0.00	1.00	0.00
81.04	80.77	2.00	0.00	1.00	0.00	81.12	80.13	2.00	0.00	1.00	0.00
81.20	79.05	2.00	0.00	1.00	0.00	81.28	74.79	2.00	0.00	1.00	0.00
81.36	72.47	2.00	0.00	1.00	0.00	81.45	64.71	2.00	0.00	1.00	0.00
81.53	56.38	2.00	0.00	1.00	0.00	81.61	47.30	2.00	0.00	1.00	0.00
81.69	42.25	2.00	0.00	1.00	0.00	81.78	35.79	2.00	0.00	1.00	0.00
81.86	36.38	2.00	0.00	1.00	0.00						

Total estimated settlement: 1.52**Abbreviations**

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

:: Strength loss calculation (Olsen & Stark (2002)) ::

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
0.08	12.96	20.81	3.61	75.14	2.64	62.58	215.21
0.16	12.96	20.80	3.61	75.14	2.64	30.71	105.59
0.25	12.96	20.79	3.61	75.14	2.65	20.35	69.94
0.33	12.96	20.79	3.62	75.15	2.65	15.22	52.28
0.41	12.96	20.78	3.62	75.15	2.65	12.15	41.73
0.49	12.96	20.77	3.62	75.15	2.65	10.11	34.72
0.58	12.96	20.76	3.62	75.15	2.65	8.66	29.73
0.66	12.96	20.76	3.62	75.16	2.65	7.57	25.98
0.74	12.96	20.75	3.62	75.16	2.65	6.73	23.08
0.83	12.96	20.74	3.62	75.16	2.65	6.05	20.75
0.91	12.96	20.74	3.62	75.17	2.65	5.50	18.85
0.99	12.96	20.73	3.63	75.17	2.65	5.04	17.27
1.08	12.96	20.72	3.63	75.17	2.65	4.65	15.93
1.16	12.96	20.71	3.63	75.17	2.65	4.32	14.79
1.24	12.96	20.71	3.63	75.18	2.65	4.03	13.80
1.32	12.96	20.70	3.63	75.18	2.65	3.78	12.93
1.41	12.96	20.69	3.63	75.18	2.65	3.56	12.16
1.49	12.96	20.69	3.63	75.19	2.65	3.36	11.48
1.57	12.96	20.68	3.64	75.19	2.65	3.18	10.87
1.66	12.96	20.67	3.64	75.19	2.65	3.02	10.32
1.74	12.96	20.66	3.64	75.19	2.65	2.88	9.83
1.82	12.96	20.66	3.64	75.20	2.65	2.75	9.38
1.91	12.96	20.65	3.64	75.20	2.65	2.63	8.96
1.99	12.96	20.64	3.64	75.20	2.65	2.52	8.59
2.07	12.96	20.64	3.64	75.21	2.65	2.42	8.24
2.15	12.96	20.63	3.65	75.21	2.65	2.32	7.92
2.24	12.96	20.62	3.65	75.21	2.65	2.24	7.62
2.32	12.96	20.61	3.65	75.22	2.65	2.16	7.35
2.40	12.96	20.61	3.65	75.22	2.65	2.08	7.09
2.49	12.96	20.60	3.65	75.22	2.65	2.01	6.85
2.57	12.96	20.59	3.65	75.22	2.65	1.95	6.63
2.65	12.96	20.59	3.65	75.23	2.65	1.89	6.42
2.74	12.96	20.58	3.66	75.23	2.65	1.83	6.22
2.82	12.96	20.57	3.66	75.23	2.65	1.78	6.04
2.90	12.96	20.56	3.66	75.24	2.65	1.73	5.86
2.98	12.96	20.56	3.66	75.24	2.65	1.68	5.70
3.07	12.96	20.55	3.66	75.24	2.65	1.63	5.54
3.15	12.96	20.54	3.66	75.24	2.65	1.59	5.39
3.23	12.96	20.54	3.66	75.25	2.65	1.55	5.25
3.32	12.96	20.53	3.67	75.25	2.65	1.51	5.12
3.40	12.96	20.52	3.67	75.25	2.65	1.47	4.99
3.48	12.96	20.51	3.67	75.26	2.65	1.44	4.87
3.57	12.96	20.51	3.67	75.26	2.65	1.40	4.76
3.65	12.96	20.50	3.67	75.26	2.65	1.37	4.65
3.73	12.96	20.49	3.67	75.26	2.65	1.34	4.54
3.81	12.96	20.49	3.67	75.27	2.65	1.31	4.44
3.90	12.96	20.48	3.68	75.27	2.65	1.28	4.35
3.98	12.96	20.47	3.68	75.27	2.65	1.26	4.25

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
4.06	12.96	20.46	3.68	75.28	2.65	1.23	4.17
4.15	12.96	20.46	3.68	75.28	2.65	1.21	4.08
4.23	12.96	20.45	3.68	75.28	2.66	1.18	4.00
4.31	12.96	20.44	3.68	75.29	2.66	1.16	3.92
4.40	12.96	20.44	3.68	75.29	2.66	1.14	3.85
4.48	12.96	20.43	3.69	75.29	2.66	1.12	3.77
4.56	12.96	20.42	3.69	75.29	2.66	1.10	3.70
4.64	12.96	20.41	3.69	75.30	2.66	1.08	3.64
4.73	12.96	20.41	3.69	75.30	2.66	1.06	3.57
4.81	12.96	20.40	3.69	75.30	2.66	1.04	3.51
4.89	12.96	20.39	3.69	75.31	2.66	1.02	3.45
4.98	12.96	20.39	3.69	75.31	2.66	1.01	3.39
5.06	12.96	20.38	3.70	75.31	2.66	0.99	3.33
5.14	12.96	20.37	3.70	75.31	2.66	0.97	3.28
5.23	12.96	20.36	3.70	75.32	2.66	0.96	3.22
5.31	12.96	20.36	3.70	75.32	2.66	0.94	3.17
5.39	12.96	20.35	3.70	75.32	2.66	0.93	3.12
5.48	12.96	20.34	3.70	75.33	2.66	0.91	3.07
5.56	12.96	20.33	3.70	75.33	2.66	0.90	3.03
5.64	12.96	20.33	3.71	75.33	2.66	0.89	2.98
5.72	12.96	20.32	3.71	75.33	2.66	0.87	2.94
5.81	12.96	20.31	3.71	75.34	2.66	0.86	2.89
5.89	12.96	20.31	3.71	75.34	2.66	0.85	2.85
5.97	12.96	20.30	3.71	75.34	2.66	0.84	2.81
6.06	12.96	20.29	3.71	75.35	2.66	0.83	2.77
6.14	12.96	20.28	3.71	75.35	2.66	0.82	2.73
6.22	12.96	20.28	3.72	75.35	2.66	0.80	2.70
6.31	12.96	20.27	3.72	75.36	2.66	0.79	2.66
6.39	12.70	19.86	3.78	75.05	2.67	0.78	2.57
6.40	12.23	19.10	3.89	74.31	2.69	0.78	2.47
6.48	11.90	18.56	3.89	72.14	2.68	0.72	2.37
6.56	12.06	18.82	3.70	69.62	2.66	0.65	2.37
6.64	12.27	19.13	3.52	67.37	2.63	0.50	2.38
6.73	12.50	19.51	3.38	65.98	2.61	0.50	2.40
6.81	12.70	19.82	3.28	65.05	2.59	0.06	0.62
6.89	12.11	18.87	3.46	65.21	2.62	0.56	2.27
6.97	10.66	16.53	3.95	65.37	2.69	0.54	1.96
7.05	8.97	13.80	4.75	65.51	2.80	0.46	1.62
7.14	7.58	11.57	5.62	65.03	2.89	0.41	1.34
7.22	7.01	10.64	6.12	65.15	2.94	0.43	1.22
7.30	7.27	11.06	5.88	64.97	2.92	0.44	1.26
7.38	7.55	11.49	5.62	64.64	2.89	0.51	1.29
7.46	7.68	11.70	5.54	64.85	2.88	0.43	1.30
7.55	7.69	11.70	5.51	64.50	2.88	0.37	1.29
7.63	7.33	11.12	5.61	62.33	2.89	0.43	1.21
7.71	6.79	10.24	5.84	59.83	2.91	0.39	1.11
7.79	6.40	9.62	6.13	59.01	2.94	0.31	1.03
7.87	6.19	9.26	6.57	60.86	2.98	0.21	0.98

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
7.96	6.09	9.10	6.44	58.59	2.97	0.29	0.95
8.04	6.19	9.26	6.99	64.69	3.02	0.53	0.96
8.12	8.98	13.72	4.98	68.37	2.82	0.21	1.41
8.20	26.74	42.27	1.75	73.82	2.23	0.09	0.71
8.28	44.12	70.17	1.39	97.25	2.06	0.78	0.78
8.37	75.20	120.11	1.24	148.62	1.95	0.85	0.85
8.45	106.88	166.55	1.17	195.50	1.88	0.90	0.90
8.53	135.20	207.61	1.15	238.79	1.86	0.94	0.94
8.61	140.28	217.69	1.20	261.13	1.91	0.94	0.94
8.69	133.50	210.70	1.29	271.03	1.99	0.94	0.94
8.78	108.35	173.32	1.51	261.02	2.13	0.91	0.91
8.86	79.47	126.92	1.98	250.94	2.31	0.86	0.86
8.94	50.21	79.90	3.03	242.03	2.55	0.80	0.80
9.02	27.39	43.22	5.32	230.07	2.86	6.13	3.93
9.10	16.43	25.60	7.81	200.01	3.09	3.27	2.30
9.19	10.77	16.50	9.70	160.11	3.23	1.89	1.47
9.27	8.12	12.23	10.02	122.52	3.25	1.00	1.08
9.35	6.27	9.25	10.93	101.14	3.31	0.72	0.81
9.43	6.45	9.54	9.78	93.28	3.24	0.66	0.83
9.51	7.23	10.79	8.69	93.70	3.16	0.81	0.93
9.60	7.25	10.81	8.90	96.19	3.17	0.89	0.92
9.68	6.99	10.39	9.66	100.35	3.23	0.91	0.88
9.76	6.94	10.30	10.15	104.52	3.26	0.94	0.86
9.84	7.07	10.49	10.15	106.48	3.26	1.10	0.87
9.93	7.83	11.71	9.21	107.78	3.20	1.25	0.96
10.01	9.89	15.02	7.11	106.74	3.03	1.05	1.23
10.09	12.51	19.21	5.31	102.10	2.86	0.91	1.56
10.17	14.79	22.87	4.19	95.89	2.73	0.69	1.85
10.25	16.01	24.82	3.74	92.91	2.66	0.70	2.00
10.34	16.25	25.20	3.67	92.61	2.65	0.81	2.03
10.42	15.09	23.33	4.14	96.52	2.72	0.85	1.87
10.50	13.13	20.17	5.00	100.88	2.83	0.88	1.61
10.58	11.29	17.22	6.08	104.64	2.94	0.94	1.37
10.66	10.32	15.65	6.87	107.50	3.01	0.95	1.24
10.74	9.75	14.73	7.47	109.95	3.06	1.05	1.16
10.83	9.28	13.96	7.98	111.41	3.10	1.09	1.10
10.91	9.21	13.83	8.14	112.58	3.12	1.11	1.08
10.99	9.74	14.69	7.70	113.04	3.08	1.08	1.15
11.07	10.70	16.23	7.00	113.59	3.02	1.06	1.26
11.15	11.42	17.37	6.55	113.78	2.98	1.05	1.35
11.24	11.66	17.75	6.41	113.85	2.97	1.11	1.37
11.32	11.48	17.46	6.56	114.59	2.98	1.12	1.34
11.40	10.88	16.48	7.00	115.42	3.02	1.08	1.26
11.48	10.03	15.11	7.76	117.16	3.09	1.11	1.16
11.56	9.68	14.53	8.25	119.80	3.13	1.11	1.11
11.65	9.98	15.02	8.27	124.26	3.13	1.28	1.14
11.73	11.06	16.74	7.67	128.48	3.08	1.39	1.27
11.81	12.27	18.67	7.12	132.94	3.03	1.53	1.41

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
11.89	12.95	19.77	6.86	135.61	3.01	1.51	1.48
11.97	12.79	19.50	6.81	132.85	3.01	1.57	1.46
12.06	12.28	18.67	7.00	130.79	3.02	1.56	1.39
12.14	17.55	27.12	4.99	135.24	2.82	1.06	2.01
12.22	29.44	43.72	2.93	128.09	2.53	0.09	0.72
12.30	40.12	57.62	2.17	125.11	2.36	0.11	0.75
12.38	43.45	62.03	2.10	130.23	2.34	0.12	0.76
12.47	42.17	60.37	2.21	133.61	2.37	0.12	0.76
12.55	35.01	50.68	2.57	130.34	2.46	0.10	0.74
12.63	21.14	31.70	4.05	128.33	2.71	1.64	2.38
12.71	8.82	13.05	9.01	117.63	3.18	1.34	0.94
12.79	4.40	5.93	15.27	90.55	3.56	0.51	0.43
12.88	4.84	6.64	11.76	78.08	3.37	0.19	0.48
12.96	4.92	6.77	9.15	61.92	3.19	0.17	0.48
13.04	4.96	6.82	8.31	56.64	3.13	0.20	0.49
13.12	5.23	7.23	7.92	57.24	3.10	0.21	0.52
13.21	5.59	7.78	7.57	58.90	3.07	0.23	0.56
13.29	5.86	8.19	7.24	59.26	3.04	0.21	0.58
13.37	6.01	8.41	7.09	59.64	3.03	0.24	0.60
13.45	6.23	8.72	6.91	60.30	3.01	0.22	0.62
13.53	6.24	8.71	6.98	60.75	3.02	0.22	0.62
13.62	6.12	8.50	7.05	59.96	3.03	0.26	0.61
13.70	5.94	8.18	7.24	59.24	3.04	0.23	0.58
13.78	5.78	7.90	7.48	59.05	3.06	0.20	0.56
13.86	5.55	7.51	7.68	57.65	3.08	0.19	0.54
13.94	5.31	7.11	8.02	57.06	3.11	0.22	0.51
14.03	5.01	6.62	8.53	56.49	3.15	0.20	0.47
14.11	4.76	6.21	9.15	56.84	3.19	0.21	0.44
14.19	4.54	5.86	10.15	59.46	3.26	0.19	0.42
14.27	4.52	5.80	10.60	61.45	3.29	0.22	0.41
14.35	5.65	7.52	8.49	63.86	3.14	0.37	0.54
14.44	6.80	9.28	7.02	65.12	3.02	0.31	0.66
14.52	8.25	11.37	5.72	64.99	2.90	0.26	0.82
14.60	10.36	14.11	4.32	60.96	2.74	0.23	1.05
14.68	12.36	16.66	3.49	58.17	2.63	0.23	1.26
14.76	12.96	17.40	3.32	57.76	2.60	0.05	0.61
14.85	13.25	17.74	3.28	58.13	2.59	0.06	0.61
14.93	12.88	17.24	3.43	59.14	2.62	0.26	1.31
15.01	11.58	15.56	3.96	61.58	2.69	0.25	1.16
15.09	10.22	13.81	4.77	65.88	2.80	0.27	1.01
15.17	9.20	12.50	5.74	71.82	2.90	0.32	0.90
15.26	8.60	11.67	6.65	77.57	2.99	0.41	0.83
15.34	8.58	11.60	7.08	82.09	3.03	0.54	0.83
15.42	9.32	12.67	6.69	84.83	3.00	0.58	0.91
15.50	10.16	13.85	6.09	84.38	2.94	0.57	0.99
15.58	10.61	14.31	5.50	78.66	2.88	0.52	1.04
15.67	10.54	14.09	5.15	72.60	2.84	0.40	1.03
15.75	9.99	13.23	5.08	67.16	2.83	0.19	0.96

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
15.83	8.88	11.65	5.40	62.89	2.87	0.22	0.84
15.91	7.74	10.08	6.03	60.74	2.93	0.25	0.72
15.99	6.83	8.74	7.19	62.85	3.04	0.26	0.62
16.08	6.39	8.07	8.04	64.89	3.11	0.26	0.58
16.16	6.40	8.05	8.31	66.87	3.13	0.29	0.58
16.24	6.57	8.28	8.24	68.17	3.12	0.34	0.59
16.32	6.64	8.35	8.14	67.97	3.12	0.36	0.60
16.40	6.67	8.38	8.06	67.54	3.11	0.33	0.60
16.49	6.59	8.23	8.14	66.97	3.12	0.25	0.59
16.57	6.17	7.60	8.64	65.61	3.15	0.27	0.54
16.65	5.89	7.17	9.04	64.82	3.18	0.31	0.51
16.73	5.74	6.93	9.45	65.49	3.21	0.30	0.49
16.81	5.71	6.87	9.62	66.06	3.23	0.30	0.49
16.90	5.74	6.88	9.40	64.71	3.21	0.30	0.49
16.98	5.98	7.20	8.62	62.05	3.15	0.31	0.51
17.06	5.97	7.17	8.04	57.66	3.11	0.22	0.51
17.14	5.84	6.96	7.55	52.51	3.07	0.13	0.50
17.22	5.52	6.49	7.19	46.64	3.04	0.07	0.46
17.31	5.21	6.04	7.03	42.44	3.02	0.07	0.43
17.39	4.74	5.36	7.61	40.75	3.07	0.08	0.38
17.47	4.48	4.98	8.30	41.33	3.13	0.08	0.36
17.55	4.33	4.75	8.91	42.38	3.18	0.09	0.34
17.64	4.39	4.83	8.95	43.21	3.18	0.10	0.34
17.72	4.45	4.89	9.08	44.43	3.19	0.11	0.35
17.80	4.69	5.21	8.80	45.79	3.17	0.11	0.37
17.88	4.74	5.26	8.86	46.60	3.17	0.13	0.38
17.96	4.78	5.30	8.87	47.02	3.17	0.13	0.38
18.05	4.76	5.26	9.00	47.34	3.18	0.13	0.38
18.13	4.75	5.24	9.00	47.12	3.18	0.13	0.37
18.21	4.73	5.19	8.99	46.66	3.18	0.12	0.37
18.29	4.75	5.20	8.91	46.29	3.18	0.12	0.37
18.37	4.73	5.16	8.83	45.55	3.17	0.11	0.37
18.45	4.74	5.15	8.75	45.11	3.16	0.11	0.37
18.54	4.75	5.16	8.68	44.76	3.16	0.10	0.37
18.62	4.77	5.17	8.59	44.44	3.15	0.11	0.37
18.70	4.75	5.13	8.60	44.08	3.15	0.11	0.37
18.78	4.74	5.09	8.63	43.95	3.15	0.10	0.36
18.86	4.73	5.07	8.62	43.71	3.15	0.10	0.36
18.95	4.75	5.08	8.54	43.35	3.15	0.10	0.36
19.03	4.80	5.13	8.40	43.05	3.14	0.10	0.37
19.11	4.85	5.19	8.22	42.63	3.12	0.09	0.37
19.19	4.93	5.28	8.04	42.47	3.11	0.09	0.38
19.27	5.01	5.37	7.88	42.29	3.10	0.09	0.38
19.36	5.07	5.44	7.77	42.26	3.09	0.09	0.39
19.44	5.13	5.50	7.70	42.35	3.08	0.09	0.39
19.52	5.19	5.57	7.64	42.61	3.08	0.09	0.40
19.60	5.21	5.58	7.68	42.87	3.08	0.09	0.40
19.68	5.21	5.57	7.76	43.20	3.09	0.09	0.40

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
19.77	5.23	5.58	7.77	43.38	3.09	0.10	0.40
19.85	5.23	5.56	7.90	43.96	3.10	0.10	0.40
19.93	5.36	5.71	7.94	45.37	3.10	0.10	0.41
20.01	5.56	5.97	7.79	46.55	3.09	0.11	0.43
20.09	5.83	6.32	7.55	47.66	3.07	0.14	0.45
20.18	5.91	6.40	7.63	48.86	3.08	0.13	0.46
20.26	5.95	6.43	7.73	49.73	3.08	0.14	0.46
20.34	5.86	6.29	7.95	49.99	3.10	0.14	0.45
20.42	5.73	6.11	8.11	49.57	3.11	0.15	0.44
20.50	5.58	5.89	8.31	48.96	3.13	0.15	0.42
20.59	5.59	5.89	8.11	47.78	3.11	0.12	0.42
20.67	5.67	5.98	7.79	46.63	3.09	0.12	0.43
20.75	5.77	6.09	7.45	45.40	3.06	0.09	0.44
20.83	5.85	6.18	7.27	44.96	3.05	0.10	0.44
20.91	5.94	6.28	7.09	44.55	3.03	0.11	0.45
21.00	6.06	6.42	7.04	45.20	3.03	0.11	0.46
21.08	6.18	6.56	6.96	45.65	3.02	0.10	0.47
21.16	6.28	6.67	6.85	45.72	3.01	0.12	0.48
21.24	6.33	6.72	6.83	45.85	3.01	0.12	0.48
21.32	6.49	6.90	6.67	46.00	2.99	0.11	0.49
21.41	6.85	7.35	6.23	45.80	2.95	0.11	0.53
21.49	7.67	8.31	5.46	45.43	2.88	0.11	0.60
21.57	8.35	9.10	4.97	45.24	2.82	0.11	0.66
21.65	8.76	9.56	4.73	45.20	2.79	0.11	0.70
21.74	9.14	10.01	4.63	46.38	2.78	0.11	0.73
21.82	9.49	10.40	4.51	46.87	2.77	0.11	0.76
21.90	9.40	10.26	4.52	46.38	2.77	0.15	0.75
21.98	9.56	10.43	4.43	46.15	2.76	0.13	0.76
22.06	10.10	11.02	4.11	45.33	2.72	0.09	0.81
22.15	10.28	11.19	3.94	44.09	2.69	0.10	0.82
22.23	10.28	11.15	3.85	42.89	2.68	0.09	0.82
22.31	10.05	10.86	3.96	43.07	2.70	0.11	0.80
22.39	9.73	10.48	4.08	42.70	2.71	0.09	0.77
22.47	9.43	10.10	4.24	42.86	2.73	0.09	0.74
22.56	9.61	10.30	4.21	43.36	2.73	0.09	0.75
22.64	9.55	10.21	4.26	43.52	2.74	0.09	0.75
22.72	9.23	9.84	4.61	45.38	2.78	0.13	0.72
22.80	9.25	9.88	4.91	48.54	2.82	0.09	0.72
22.88	9.81	10.55	4.91	51.82	2.81	0.15	0.76
22.97	10.55	11.38	4.52	51.42	2.77	0.20	0.83
23.05	11.30	12.22	4.28	52.29	2.74	0.23	0.89
23.13	12.64	13.73	3.85	52.89	2.68	0.12	1.01
23.21	12.49	13.53	3.92	53.00	2.69	0.14	0.99
23.29	12.59	13.61	3.84	52.25	2.68	0.20	1.00
23.38	11.62	12.50	4.36	54.48	2.75	0.20	0.91
23.46	10.75	11.50	4.86	55.90	2.81	0.19	0.83
23.54	9.55	10.09	5.51	55.55	2.88	0.20	0.73
23.62	9.48	9.97	5.35	53.34	2.86	0.18	0.72

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
23.70	8.45	8.74	5.79	50.56	2.91	0.16	0.63
23.79	8.37	8.62	5.68	48.96	2.90	0.10	0.62
23.87	8.57	8.80	5.27	46.43	2.86	0.07	0.63
23.95	8.88	9.13	5.02	45.86	2.83	0.14	0.66
24.03	9.06	9.33	5.18	48.36	2.85	0.10	0.67
24.11	9.66	10.05	5.33	53.51	2.86	0.15	0.72
24.20	10.06	10.49	5.25	55.07	2.85	0.19	0.76
24.28	10.85	11.38	5.02	57.11	2.83	0.28	0.82
24.36	15.90	16.96	3.24	54.96	2.59	0.05	0.60
24.44	26.19	28.11	1.93	54.24	2.29	0.07	0.66
24.52	37.26	39.77	1.43	56.86	2.09	0.09	0.71
24.61	48.62	51.52	1.22	62.61	1.93	0.10	0.74
24.69	55.50	58.52	1.14	66.87	1.85	0.11	0.75
24.77	61.92	65.00	1.09	71.11	1.78	0.12	0.77
24.85	63.52	66.46	1.07	71.37	1.75	0.13	0.77
24.93	63.34	66.19	1.07	71.06	1.75	0.12	0.77
25.02	62.62	65.48	1.09	71.54	1.78	0.12	0.77
25.10	65.28	68.23	1.09	74.42	1.78	0.13	0.77
25.18	64.42	67.36	1.11	74.69	1.80	0.13	0.77
25.26	63.59	66.47	1.12	74.54	1.82	0.13	0.77
25.34	63.10	65.80	1.11	73.22	1.81	0.12	0.77
25.43	61.24	63.66	1.10	70.15	1.79	0.12	0.77
25.51	61.67	63.89	1.08	69.10	1.76	0.12	0.77
25.59	61.78	63.90	1.08	68.87	1.76	0.12	0.77
25.67	58.10	60.10	1.10	66.21	1.79	0.12	0.76
25.75	56.45	58.38	1.12	65.36	1.82	0.11	0.75
25.84	55.28	57.20	1.14	65.29	1.85	0.11	0.75
25.92	51.31	53.16	1.20	63.61	1.91	0.11	0.74
26.00	46.76	48.55	1.29	62.56	1.99	0.10	0.73
26.08	43.43	45.25	1.44	65.07	2.09	0.09	0.72
26.16	37.81	39.48	1.69	66.87	2.21	0.09	0.70
26.25	33.66	35.18	2.01	70.64	2.32	0.08	0.69
26.33	30.13	31.49	2.37	74.67	2.41	0.08	0.68
26.41	26.86	28.02	2.77	77.48	2.50	0.07	0.66
26.49	25.63	26.66	2.91	77.51	2.53	0.07	0.66
26.57	24.58	25.52	3.13	79.87	2.57	0.07	0.65
26.66	23.12	23.94	3.46	82.92	2.62	0.56	1.75
26.74	22.16	22.90	3.72	85.15	2.66	0.59	1.67
26.82	21.98	22.66	3.82	86.52	2.67	0.64	1.65
26.90	23.43	24.14	3.54	85.52	2.63	0.63	1.76
26.98	26.00	26.78	3.14	84.09	2.57	0.07	0.66
27.07	28.89	29.76	2.81	83.62	2.51	0.07	0.67
27.15	31.77	32.71	2.60	85.01	2.47	0.08	0.68
27.23	34.29	35.30	2.46	86.74	2.43	0.08	0.69
27.31	35.21	36.26	2.57	93.30	2.46	0.08	0.69
27.39	35.12	36.18	2.77	100.35	2.50	0.08	0.69
27.48	34.26	35.26	3.02	106.52	2.55	0.08	0.69
27.56	33.34	34.27	3.25	111.25	2.59	0.08	0.69

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
27.64	32.11	32.96	3.52	115.88	2.63	1.20	2.40
27.72	31.46	32.20	3.63	116.83	2.65	1.19	2.34
27.80	31.21	31.87	3.67	117.05	2.65	1.17	2.31
27.89	31.51	32.11	3.66	117.41	2.65	1.16	2.33
27.97	32.04	32.59	3.63	118.18	2.65	1.18	2.36
28.05	32.79	33.30	3.58	119.35	2.64	1.25	2.42
28.13	33.10	33.54	3.57	119.89	2.64	1.29	2.43
28.21	33.17	33.54	3.57	119.73	2.64	1.31	2.43
28.30	33.05	33.33	3.57	118.88	2.64	1.22	2.42
28.38	32.40	32.58	3.61	117.64	2.64	1.16	2.36
28.46	32.06	32.13	3.60	115.68	2.64	1.16	2.33
28.54	32.10	32.09	3.57	114.53	2.64	1.13	2.33
28.63	32.45	32.37	3.53	114.13	2.63	1.10	2.35
28.71	32.93	32.79	3.47	113.83	2.62	1.11	2.38
28.79	33.74	33.54	3.39	113.60	2.61	1.14	2.43
28.87	34.38	34.11	3.34	113.90	2.60	1.15	2.47
28.95	34.80	34.47	3.32	114.29	2.60	0.08	0.69
29.04	35.02	34.62	3.31	114.68	2.60	0.08	0.69
29.12	34.92	34.44	3.34	115.00	2.60	1.16	2.49
29.20	34.84	34.28	3.37	115.40	2.61	1.18	2.48
29.28	34.76	34.12	3.39	115.59	2.61	1.16	2.47
29.36	34.58	33.87	3.42	115.81	2.61	1.17	2.45
29.45	34.41	33.62	3.45	115.89	2.62	1.16	2.43
29.53	34.50	33.63	3.45	115.89	2.62	1.17	2.43
29.61	34.61	33.67	3.43	115.64	2.62	1.17	2.43
29.69	34.57	33.55	3.44	115.54	2.62	1.16	2.42
29.77	34.42	33.32	3.46	115.26	2.62	1.15	2.40
29.86	34.26	33.09	3.47	114.82	2.62	1.15	2.39
29.94	34.08	32.84	3.48	114.21	2.62	1.13	2.37
30.02	33.68	32.37	3.51	113.72	2.63	1.12	2.33
30.10	33.28	31.89	3.54	112.97	2.63	1.09	2.30
30.18	33.02	31.55	3.55	112.03	2.64	1.08	2.27
30.27	32.67	31.14	3.57	111.31	2.64	1.06	2.24
30.35	32.23	30.63	3.63	111.16	2.65	1.03	2.20
30.43	31.88	30.22	3.69	111.66	2.66	1.04	2.17
30.51	31.72	30.01	3.74	112.20	2.66	1.06	2.16
30.59	31.70	29.92	3.77	112.92	2.67	1.11	2.15
30.68	31.87	30.02	3.78	113.61	2.67	1.09	2.16
30.76	31.87	29.95	3.82	114.29	2.67	1.09	2.15
30.84	32.27	30.28	3.78	114.41	2.67	1.10	2.17
30.92	32.57	30.50	3.77	115.05	2.67	1.11	2.19
31.00	32.77	30.63	3.77	115.47	2.67	1.13	2.20
31.09	32.93	30.72	3.78	115.99	2.67	1.16	2.20
31.17	33.51	31.20	3.43	106.88	2.62	1.13	2.24
31.25	33.67	31.29	3.44	107.62	2.62	1.15	2.25
31.33	33.89	31.43	3.45	108.31	2.62	0.32	2.26
31.41	33.95	31.42	3.48	109.35	2.62	1.20	2.25
31.50	30.99	28.51	3.89	110.87	2.69	1.22	2.04

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
31.58	30.42	27.90	4.30	119.88	2.74	1.22	2.00
31.66	30.04	27.47	4.33	118.84	2.74	1.16	1.97
31.74	29.75	27.13	4.32	117.28	2.74	1.11	1.94
31.82	29.64	26.96	4.29	115.66	2.74	1.08	1.93
31.91	32.40	29.54	3.84	113.57	2.68	1.06	2.11
31.99	32.76	29.82	3.81	113.72	2.67	1.07	2.13
32.07	33.01	30.00	3.82	114.51	2.67	1.08	2.15
32.15	33.03	29.95	3.86	115.54	2.68	1.14	2.14
32.23	33.11	29.96	3.88	116.39	2.68	1.16	2.14
32.32	33.29	30.07	3.89	116.89	2.68	1.15	2.15
32.40	33.59	30.28	3.83	116.09	2.68	1.15	2.16
32.48	33.84	30.46	3.78	115.14	2.67	1.13	2.18
32.56	34.21	30.74	3.72	114.36	2.66	1.07	2.20
32.64	34.33	30.79	3.61	111.14	2.64	1.08	2.20
32.73	34.39	30.78	3.58	110.25	2.64	1.09	2.20
32.81	34.21	30.54	3.60	110.01	2.64	0.86	2.18
32.89	34.26	30.53	3.61	110.13	2.64	1.05	2.18
32.97	34.46	30.65	3.58	109.78	2.64	1.04	2.19
33.05	34.71	30.82	3.64	112.06	2.65	1.08	2.20
33.14	35.17	31.19	3.59	111.89	2.64	1.06	2.22
33.22	36.01	31.90	3.50	111.58	2.63	1.07	2.27
33.30	36.71	32.49	3.41	110.65	2.61	1.05	2.32
33.38	37.12	32.81	3.34	109.56	2.60	1.04	2.34
33.47	37.38	32.99	3.30	108.77	2.60	0.08	0.68
33.55	37.26	32.81	3.32	108.98	2.60	0.08	0.68
33.63	36.67	32.19	3.39	109.23	2.61	1.00	2.29
33.71	36.00	31.50	3.47	109.16	2.62	1.06	2.24
33.79	35.09	30.59	3.57	109.18	2.64	1.04	2.18
33.88	34.28	29.79	3.65	108.82	2.65	0.99	2.12
33.96	33.33	28.85	3.75	108.19	2.67	0.94	2.05
34.04	32.16	27.70	3.89	107.82	2.69	0.94	1.97
34.12	30.82	26.42	4.06	107.36	2.71	0.97	1.88
34.20	30.19	25.79	4.14	106.86	2.72	0.96	1.84
34.28	29.87	25.44	4.20	106.85	2.73	0.90	1.81
34.37	30.33	25.81	4.11	106.12	2.72	0.88	1.84
34.45	31.44	26.77	3.93	105.20	2.69	0.92	1.90
34.53	31.62	26.88	3.91	105.08	2.69	0.92	1.91
34.61	32.34	27.48	3.84	105.49	2.68	0.92	1.95
34.70	33.12	28.13	3.79	106.60	2.67	0.89	2.00
34.78	33.34	28.27	3.84	108.63	2.68	0.93	2.01
34.86	33.29	28.16	3.93	110.69	2.69	1.04	2.00
34.94	35.08	29.71	3.79	112.67	2.67	1.10	2.11
35.02	36.23	30.69	3.72	114.25	2.66	1.09	2.18
35.10	37.71	31.96	3.57	114.10	2.64	1.13	2.27
35.19	39.76	33.76	3.35	113.05	2.60	1.11	2.39
35.27	42.08	35.79	3.12	111.75	2.57	0.08	0.69
35.35	43.73	37.22	2.96	110.18	2.54	0.08	0.70
35.43	45.30	38.57	2.81	108.49	2.51	0.09	0.70

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
35.52	46.20	39.32	2.72	106.86	2.49	0.09	0.70
35.60	46.66	39.67	2.65	104.94	2.47	0.09	0.70
35.68	46.99	39.91	2.57	102.64	2.46	0.09	0.71
35.76	47.38	40.21	2.48	99.84	2.44	0.09	0.71
35.84	47.63	40.38	2.40	96.99	2.42	0.09	0.71
35.92	48.18	40.82	2.33	95.02	2.40	0.09	0.71
36.01	48.96	41.46	2.27	94.05	2.39	0.09	0.71
36.09	49.62	41.98	2.25	94.26	2.38	0.09	0.71
36.17	50.41	42.61	2.22	94.76	2.38	0.09	0.71
36.25	51.96	43.92	2.18	95.80	2.37	0.09	0.72
36.34	55.57	47.05	2.10	98.66	2.34	0.10	0.73
36.42	61.40	52.13	2.00	104.24	2.32	0.10	0.74
36.50	70.50	60.10	1.88	113.00	2.28	0.12	0.76
36.58	80.15	68.52	1.81	123.86	2.25	0.13	0.78
36.66	90.23	77.27	1.77	136.65	2.24	0.79	0.79
36.74	98.61	84.46	1.77	149.68	2.24	0.80	0.80
36.83	103.51	88.52	1.82	161.26	2.26	0.81	0.81
36.91	104.53	89.15	1.90	169.65	2.29	0.81	0.81
36.99	103.23	87.75	2.00	175.25	2.31	0.81	0.81
37.07	101.39	85.92	2.06	177.23	2.33	0.81	0.81
37.16	99.46	84.05	2.09	175.96	2.34	0.80	0.80
37.24	99.54	83.99	2.06	173.42	2.33	0.80	0.80
37.32	98.42	82.88	2.07	171.42	2.34	0.80	0.80
37.40	97.41	81.86	2.07	169.05	2.33	0.80	0.80
37.48	93.49	78.28	2.13	166.81	2.35	0.79	0.79
37.57	87.12	72.58	2.25	163.05	2.38	0.78	0.78
37.65	77.57	64.16	2.44	156.73	2.43	0.12	0.77
37.73	68.86	56.54	2.63	148.43	2.47	0.11	0.75
37.81	61.69	50.29	2.80	140.59	2.51	0.10	0.74
37.89	57.64	46.76	2.85	133.27	2.52	0.10	0.73
37.98	56.02	45.32	2.82	127.95	2.51	0.09	0.72
38.06	56.65	45.81	2.74	125.33	2.49	0.10	0.72
38.14	57.99	46.90	2.65	124.14	2.48	0.10	0.73
38.22	59.09	47.75	2.62	125.22	2.47	0.10	0.73
38.30	59.03	47.56	2.73	129.62	2.49	0.10	0.73
38.39	58.37	46.83	2.88	134.94	2.52	0.10	0.73
38.47	57.33	45.89	2.87	131.82	2.52	0.10	0.72
38.55	56.23	44.84	2.98	133.48	2.54	0.09	0.72
38.63	55.11	43.76	3.11	136.04	2.56	0.09	0.72
38.71	54.75	43.39	3.11	134.85	2.56	0.09	0.72
38.80	51.36	40.44	3.30	133.41	2.60	0.09	0.71
38.88	51.11	40.09	3.46	138.90	2.62	1.70	2.80
38.96	51.08	39.99	3.46	138.46	2.62	1.63	2.80
39.04	51.26	40.10	3.36	134.91	2.61	1.57	2.80
39.12	50.28	39.23	3.35	131.50	2.60	1.48	2.74
39.21	51.67	40.38	3.16	127.50	2.57	0.09	0.71
39.29	49.76	38.72	3.22	124.67	2.58	0.09	0.70
39.37	47.64	36.89	3.32	122.29	2.60	0.08	0.70

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
39.45	45.48	35.03	3.43	120.24	2.62	1.22	2.45
39.53	44.14	33.85	3.52	119.28	2.63	1.18	2.36
39.62	43.67	33.39	3.57	119.25	2.64	1.14	2.33
39.70	43.92	33.53	3.58	119.91	2.64	1.18	2.34
39.78	44.38	33.83	3.59	121.32	2.64	1.23	2.36
39.86	44.61	33.93	3.64	123.50	2.65	1.29	2.37
39.94	44.73	33.98	3.60	122.22	2.64	1.32	2.37
40.03	44.97	34.11	3.60	122.64	2.64	1.35	2.38
40.11	45.40	34.40	3.57	122.69	2.64	1.05	2.40
40.19	45.52	34.43	3.56	122.45	2.64	1.28	2.40
40.27	44.82	33.79	3.61	122.02	2.64	1.30	2.36
40.35	44.73	33.63	3.70	124.39	2.66	1.30	2.35
40.44	44.29	33.20	3.76	124.81	2.67	1.29	2.32
40.52	43.57	32.54	3.84	124.86	2.68	1.28	2.28
40.60	43.00	32.01	3.89	124.48	2.69	1.30	2.24
40.68	43.49	32.35	3.86	124.72	2.68	1.28	2.26
40.76	43.28	32.11	3.90	125.37	2.69	1.24	2.25
40.85	43.12	31.91	3.93	125.45	2.69	1.32	2.23
40.93	42.73	31.53	3.98	125.63	2.70	1.33	2.21
41.01	42.44	31.23	4.04	126.13	2.71	1.30	2.19
41.09	42.27	31.03	4.05	125.67	2.71	1.28	2.17
41.17	42.03	30.79	4.05	124.75	2.71	1.28	2.15
41.26	41.89	30.62	4.04	123.86	2.71	1.27	2.14
41.34	41.82	30.52	4.03	122.91	2.70	1.23	2.13
41.42	41.79	30.44	4.02	122.36	2.70	1.21	2.13
41.50	41.53	30.18	4.04	122.00	2.71	1.19	2.11
41.59	41.21	29.86	4.09	122.03	2.71	1.22	2.09
41.67	40.80	29.47	4.16	122.47	2.72	1.22	2.06
41.75	40.36	29.05	4.23	122.99	2.73	1.22	2.04
41.83	39.96	28.68	4.28	122.78	2.74	1.24	2.01
41.91	39.62	28.37	4.28	121.32	2.74	1.22	1.99
41.99	39.41	28.16	4.27	120.17	2.74	1.19	1.97
42.08	39.27	28.01	4.24	118.89	2.73	1.07	1.96
42.16	39.03	27.78	4.25	118.08	2.73	1.10	1.94
42.24	38.32	27.16	4.32	117.44	2.74	1.11	1.90
42.32	37.73	26.64	4.43	117.92	2.76	1.14	1.87
42.41	36.91	25.93	4.56	118.20	2.77	1.11	1.82
42.49	36.22	25.33	4.67	118.21	2.79	1.10	1.78
42.57	35.74	24.91	4.73	117.88	2.79	1.11	1.75
42.65	35.79	24.90	4.73	117.89	2.79	1.10	1.75
42.73	35.68	24.77	4.77	118.17	2.80	1.10	1.74
42.81	35.78	24.81	4.73	117.43	2.79	1.11	1.74
42.90	35.75	24.73	4.76	117.59	2.80	1.12	1.74
42.98	35.61	24.57	4.79	117.64	2.80	1.04	1.73
43.06	35.45	24.40	4.81	117.29	2.80	1.11	1.72
43.14	35.24	24.20	4.82	116.54	2.80	1.10	1.70
43.23	35.29	24.19	4.81	116.28	2.80	1.07	1.70
43.31	35.39	24.24	4.76	115.30	2.80	1.05	1.70

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
43.39	35.51	24.29	4.71	114.43	2.79	1.02	1.71
43.47	35.55	24.29	4.68	113.74	2.79	1.02	1.71
43.55	35.75	24.41	4.62	112.77	2.78	1.02	1.71
43.63	35.78	24.40	4.60	112.27	2.78	1.01	1.71
43.72	35.97	24.50	4.56	111.84	2.77	0.96	1.72
43.80	36.54	24.91	4.47	111.43	2.76	0.97	1.74
43.88	37.60	25.69	4.32	111.04	2.74	0.98	1.79
43.96	38.35	26.22	4.25	111.33	2.73	0.99	1.83
44.05	39.19	26.81	4.16	111.57	2.72	1.00	1.87
44.13	39.92	27.33	4.10	111.95	2.71	1.00	1.90
44.21	40.09	27.40	4.11	112.54	2.72	1.01	1.91
44.29	39.66	27.02	4.14	111.90	2.72	1.03	1.88
44.37	39.30	26.69	4.20	112.13	2.73	1.04	1.86
44.45	38.41	25.95	4.34	112.70	2.75	0.93	1.81
44.54	37.44	25.16	4.47	112.47	2.76	1.01	1.76
44.62	36.75	24.59	4.56	112.05	2.77	1.04	1.72
44.70	36.14	24.07	4.69	112.85	2.79	0.99	1.69
44.78	36.02	23.94	4.71	112.63	2.79	0.99	1.68
44.87	36.41	24.19	4.63	112.12	2.78	0.98	1.69
44.95	36.87	24.49	4.59	112.34	2.78	0.99	1.71
45.03	37.24	24.72	4.57	112.97	2.77	1.00	1.73
45.11	37.61	25.08	4.19	105.21	2.73	1.02	1.75
45.19	37.74	25.12	4.23	106.23	2.73	1.05	1.75
45.28	37.82	25.11	4.30	107.86	2.74	0.32	1.75
45.36	38.13	25.27	4.32	109.21	2.74	1.07	1.76
45.44	35.41	23.15	4.76	110.26	2.80	1.13	1.62
45.52	36.08	23.49	5.03	118.27	2.83	1.13	1.65
45.60	36.91	24.08	4.90	117.97	2.81	1.09	1.69
45.69	38.21	25.02	4.67	116.98	2.79	1.06	1.75
45.77	38.98	25.58	4.53	115.90	2.77	1.06	1.79
45.85	42.45	28.17	4.06	114.45	2.71	1.06	1.95
45.93	42.45	28.30	3.70	104.62	2.66	1.05	1.95
46.01	42.14	28.04	3.70	103.81	2.66	1.03	1.93
46.10	41.46	27.47	3.77	103.61	2.67	0.21	1.89
46.18	41.29	27.30	3.80	103.68	2.67	0.98	1.88
46.26	38.10	24.83	4.21	104.62	2.73	1.03	1.72
46.34	38.51	24.93	4.57	113.91	2.77	1.05	1.74
46.42	39.31	25.48	4.48	114.21	2.76	1.04	1.78
46.51	40.28	26.16	4.35	113.92	2.75	1.02	1.82
46.59	41.31	26.90	4.22	113.38	2.73	1.02	1.87
46.67	46.26	30.58	3.67	112.29	2.65	1.02	2.10
46.75	48.19	31.96	3.54	113.30	2.63	1.02	2.19
46.83	51.84	34.64	3.30	114.42	2.60	0.08	0.69
46.92	53.21	35.57	3.27	116.36	2.59	0.08	0.69
47.00	53.61	35.75	3.33	119.10	2.60	1.19	2.44
47.08	53.64	35.68	3.38	120.58	2.61	1.23	2.44
47.16	53.47	35.50	3.39	120.27	2.61	1.28	2.42
47.24	51.53	34.01	3.50	118.98	2.63	1.18	2.33

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
47.33	52.49	34.71	3.38	117.33	2.61	1.11	2.37
47.41	57.27	38.34	2.97	113.69	2.54	0.08	0.70
47.49	63.10	42.77	2.61	111.69	2.47	0.09	0.71
47.57	67.59	46.15	2.42	111.64	2.43	0.10	0.72
47.65	70.36	48.15	2.35	113.27	2.41	0.10	0.73
47.74	71.71	49.06	2.34	114.90	2.41	0.10	0.73
47.82	70.01	47.58	2.48	117.80	2.44	0.10	0.73
47.90	67.69	45.65	2.64	120.32	2.47	0.10	0.72
47.98	66.81	44.84	2.74	122.82	2.49	0.09	0.72
48.06	67.36	45.12	2.77	124.82	2.50	0.09	0.72
48.15	68.31	45.67	2.80	127.73	2.51	0.10	0.72
48.23	69.40	46.34	2.81	130.29	2.51	0.10	0.72
48.31	69.62	46.37	2.85	132.36	2.52	0.10	0.72
48.39	69.21	45.96	2.90	133.28	2.53	0.10	0.72
48.47	68.85	45.64	2.91	132.69	2.53	0.10	0.72
48.56	67.69	44.81	2.87	128.44	2.52	0.09	0.72
48.64	65.31	43.08	2.90	124.74	2.52	0.09	0.72
48.72	61.93	40.58	2.99	121.51	2.54	0.09	0.71
48.80	58.36	37.96	3.11	118.17	2.56	0.08	0.70
48.88	53.95	34.70	3.34	115.97	2.60	1.14	2.36
48.97	50.72	32.27	3.59	115.93	2.64	1.08	2.20
49.05	48.43	30.58	3.75	114.73	2.67	1.06	2.09
49.13	47.23	29.69	3.81	113.10	2.67	1.03	2.04
49.21	46.46	29.13	3.82	111.12	2.67	1.00	2.00
49.30	46.41	29.07	3.79	110.03	2.67	0.97	1.99
49.38	46.06	28.79	3.79	109.21	2.67	0.89	1.97
49.46	45.66	28.45	3.83	108.93	2.68	0.96	1.95
49.54	45.22	28.09	3.88	109.02	2.68	0.95	1.93
49.62	44.98	27.85	3.94	109.81	2.69	0.97	1.91
49.70	44.72	27.62	3.98	109.84	2.70	0.97	1.90
49.79	44.21	27.20	4.03	109.68	2.70	0.96	1.87
49.87	43.64	26.76	4.08	109.16	2.71	0.95	1.84
49.95	43.07	26.35	4.07	107.23	2.71	0.93	1.81
50.03	42.07	25.62	4.15	106.23	2.72	0.91	1.77
50.12	41.17	24.95	4.23	105.55	2.73	0.79	1.72
50.20	40.75	24.62	4.26	104.98	2.74	0.85	1.70
50.28	40.32	24.29	4.29	104.12	2.74	0.88	1.68
50.36	40.50	24.37	4.28	104.41	2.74	0.87	1.68
50.44	41.24	24.87	4.17	103.77	2.72	0.83	1.71
50.52	42.19	25.53	4.03	102.87	2.70	0.81	1.75
50.61	43.16	26.20	3.88	101.65	2.68	0.81	1.79
50.69	44.47	27.20	3.58	97.40	2.64	0.82	1.85
50.77	45.51	27.94	3.44	96.21	2.62	0.79	1.89
50.85	46.35	28.52	3.35	95.58	2.60	0.52	1.93
50.94	46.85	28.84	3.30	95.12	2.60	0.07	0.67
51.02	44.44	27.06	3.53	95.48	2.63	0.77	1.84
51.10	44.43	26.92	3.67	98.93	2.65	0.79	1.83
51.18	44.38	26.83	3.70	99.24	2.66	0.78	1.83

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
51.26	44.05	26.57	3.72	98.89	2.66	0.78	1.81
51.34	43.70	26.30	3.73	97.98	2.66	0.76	1.79
51.43	45.76	27.77	3.46	96.03	2.62	0.74	1.88
51.51	45.20	27.37	3.46	94.76	2.62	0.71	1.85
51.59	44.75	27.04	3.46	93.64	2.62	0.66	1.83
51.67	44.55	26.88	3.45	92.77	2.62	0.68	1.82
51.76	44.20	26.61	3.46	92.01	2.62	0.66	1.80
51.84	44.46	26.77	3.43	91.68	2.62	0.67	1.81
51.92	44.60	26.84	3.39	90.99	2.61	0.65	1.81
52.00	44.39	26.67	3.39	90.39	2.61	0.63	1.80
52.08	44.17	26.50	3.38	89.59	2.61	0.63	1.79
52.16	44.33	26.61	3.32	88.40	2.60	0.07	0.66
52.25	44.01	26.36	3.33	87.77	2.60	0.60	1.77
52.33	43.65	26.08	3.35	87.45	2.60	0.56	1.76
52.41	43.43	25.88	3.38	87.52	2.61	0.58	1.74
52.49	43.01	25.53	3.45	88.02	2.62	0.60	1.72
52.58	42.90	25.39	3.51	89.00	2.63	0.62	1.72
52.66	43.27	25.60	3.50	89.47	2.63	0.63	1.73
52.74	44.31	26.28	3.41	89.67	2.61	0.63	1.77
52.82	46.30	27.65	3.24	89.44	2.58	0.07	0.66
52.90	48.73	29.45	2.91	85.79	2.53	0.07	0.67
52.99	50.42	30.60	2.81	85.90	2.51	0.07	0.67
53.07	51.17	31.07	2.79	86.73	2.50	0.07	0.67
53.15	50.90	30.78	2.86	87.96	2.52	0.07	0.67
53.23	47.27	28.11	3.20	89.94	2.58	0.07	0.66
53.31	45.34	26.57	3.56	94.64	2.64	0.71	1.80
53.40	43.28	25.08	3.82	95.67	2.67	0.73	1.71
53.48	41.22	23.62	4.05	95.68	2.71	0.72	1.62
53.56	39.28	22.28	4.25	94.61	2.73	0.70	1.53
53.64	39.48	22.45	4.10	92.05	2.71	0.66	1.54
53.72	37.43	21.09	4.24	89.46	2.73	0.60	1.45
53.81	35.69	19.95	4.33	86.33	2.74	0.54	1.37
53.89	34.47	19.18	4.33	83.05	2.74	0.51	1.32
53.97	33.36	18.47	4.35	80.36	2.75	0.46	1.27
54.05	32.46	17.87	4.41	78.74	2.75	0.42	1.23
54.13	31.82	17.44	4.44	77.50	2.76	0.41	1.20
54.22	31.53	17.23	4.46	76.84	2.76	0.42	1.19
54.30	31.56	17.23	4.45	76.70	2.76	0.42	1.19
54.38	32.42	17.79	4.31	76.60	2.74	0.42	1.22
54.46	33.41	18.45	4.11	75.74	2.71	0.41	1.26
54.54	34.21	18.98	3.97	75.37	2.70	0.41	1.29
54.63	34.57	19.19	3.94	75.51	2.69	0.38	1.31
54.71	34.42	19.07	3.94	75.21	2.69	0.41	1.30
54.79	34.62	19.19	3.89	74.62	2.69	0.43	1.30
54.87	35.06	19.45	3.86	75.02	2.68	0.39	1.32
54.95	36.29	20.25	3.72	75.37	2.66	0.38	1.37
55.04	38.22	21.52	3.53	75.87	2.63	0.41	1.45
55.12	41.03	23.37	3.30	77.13	2.60	0.06	0.64

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
55.20	43.42	25.00	3.06	76.61	2.56	0.07	0.65
55.28	46.06	26.75	2.91	77.91	2.53	0.07	0.66
55.36	48.56	28.39	2.80	79.43	2.51	0.07	0.66
55.45	51.20	30.14	2.68	80.83	2.48	0.07	0.67
55.53	52.31	30.81	2.67	82.38	2.48	0.07	0.67
55.61	54.88	32.42	2.65	85.83	2.48	0.08	0.68
55.69	57.15	33.89	2.58	87.36	2.46	0.08	0.69
55.77	59.32	35.29	2.53	89.20	2.45	0.08	0.69
55.86	61.09	36.39	2.51	91.22	2.45	0.08	0.69
55.94	63.25	37.75	2.47	93.40	2.44	0.08	0.70
56.02	62.84	37.31	2.56	95.43	2.46	0.08	0.70
56.10	61.67	36.30	2.72	98.73	2.49	0.08	0.69
56.18	60.02	34.97	2.90	101.57	2.53	0.08	0.69
56.27	58.17	33.53	3.12	104.64	2.57	0.08	0.68
56.35	56.15	32.00	3.36	107.55	2.61	0.93	2.14
56.43	55.53	31.44	3.51	110.39	2.63	0.99	2.11
56.51	55.23	31.15	3.59	111.83	2.64	1.02	2.09
56.59	54.63	30.66	3.68	112.77	2.65	1.03	2.07
56.68	53.65	29.98	3.75	112.29	2.66	1.02	2.02
56.76	53.06	29.60	3.73	110.29	2.66	1.00	2.00
56.84	51.28	28.44	3.80	108.02	2.67	0.93	1.92
56.92	49.52	27.32	3.86	105.46	2.68	0.83	1.85
57.01	47.79	26.23	3.90	102.26	2.69	0.81	1.78
57.09	47.51	26.11	3.79	99.08	2.67	0.78	1.76
57.17	46.32	25.36	3.82	96.90	2.68	0.71	1.71
57.25	45.47	24.83	3.81	94.57	2.67	0.67	1.68
57.33	44.58	24.28	3.80	92.24	2.67	0.65	1.64
57.41	43.99	23.92	3.77	90.25	2.67	0.62	1.61
57.50	42.21	22.77	3.88	88.39	2.68	0.59	1.54
57.58	41.50	22.33	3.87	86.39	2.68	0.56	1.51
57.66	40.82	21.91	3.87	84.72	2.68	0.52	1.48
57.74	40.27	21.57	3.86	83.19	2.68	0.50	1.46
57.83	39.61	21.15	3.87	81.78	2.68	0.50	1.43
57.91	39.05	20.79	3.89	80.78	2.68	0.48	1.41
57.99	38.79	20.61	3.88	80.00	2.68	0.46	1.39
58.07	38.50	20.42	3.87	79.12	2.68	0.45	1.38
58.15	38.15	20.19	3.88	78.26	2.68	0.44	1.36
58.23	37.84	19.98	3.89	77.69	2.68	0.44	1.35
58.32	37.37	19.67	3.91	76.91	2.69	0.43	1.33
58.40	36.69	19.22	3.97	76.26	2.70	0.42	1.30
58.48	36.02	18.78	4.03	75.73	2.71	0.40	1.27
58.56	35.41	18.36	4.11	75.38	2.71	0.40	1.25
58.65	34.89	18.00	4.18	75.30	2.73	0.40	1.23
58.73	34.64	17.79	4.27	76.02	2.74	0.40	1.21
58.81	34.71	17.79	4.31	76.76	2.74	0.41	1.22
58.89	35.09	17.98	4.33	77.81	2.74	0.44	1.23
58.97	35.48	18.16	4.35	78.95	2.75	0.44	1.24
59.05	35.84	18.33	4.39	80.36	2.75	0.47	1.25

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
59.14	36.34	18.59	4.37	81.24	2.75	0.47	1.27
59.22	36.57	18.69	4.39	82.09	2.75	0.50	1.28
59.30	36.49	18.59	4.45	82.73	2.76	0.50	1.27
59.38	36.82	18.76	4.43	83.04	2.76	0.50	1.29
59.47	37.43	19.13	4.33	82.76	2.74	0.51	1.31
59.55	37.95	19.45	4.24	82.39	2.73	0.50	1.33
59.63	39.03	20.12	4.07	81.92	2.71	0.49	1.36
59.71	40.47	21.03	3.88	81.62	2.68	0.48	1.42
59.79	41.83	21.86	3.76	82.15	2.67	0.48	1.47
59.88	43.23	22.70	3.66	83.09	2.65	0.50	1.52
59.96	44.67	23.55	3.58	84.37	2.64	0.54	1.57
60.04	45.65	24.09	3.57	85.89	2.64	0.56	1.61
60.12	46.48	24.55	3.55	87.17	2.64	0.58	1.64
60.20	47.18	24.94	3.52	87.86	2.63	0.59	1.66
60.28	47.62	25.18	3.49	87.87	2.63	0.60	1.68
60.37	47.68	25.19	3.48	87.78	2.63	0.60	1.68
60.45	47.67	25.16	3.48	87.58	2.62	0.57	1.67
60.53	47.48	25.00	3.50	87.47	2.63	0.57	1.66
60.61	46.94	24.63	3.54	87.24	2.63	0.57	1.64
60.70	46.58	24.38	3.57	86.99	2.64	0.59	1.62
60.78	46.63	24.40	3.54	86.26	2.63	0.57	1.62
60.86	46.97	24.62	3.47	85.46	2.62	0.55	1.63
60.94	47.84	25.19	3.34	84.17	2.60	0.52	1.66
61.02	49.60	26.37	3.15	83.06	2.57	0.07	0.66
61.11	51.67	27.69	3.00	82.93	2.54	0.07	0.66
61.19	53.85	29.00	2.92	84.68	2.53	0.07	0.67
61.27	56.04	30.26	2.89	87.37	2.52	0.07	0.67
61.35	57.57	31.05	2.93	91.02	2.53	0.07	0.67
61.43	58.23	31.26	3.03	94.77	2.55	0.07	0.68
61.52	58.49	31.23	3.15	98.25	2.57	0.07	0.68
61.60	58.21	30.89	3.26	100.71	2.59	0.07	0.67
61.68	57.54	30.34	3.37	102.38	2.61	0.83	2.00
61.76	57.23	30.19	3.32	100.34	2.60	0.07	0.67
61.84	57.56	30.35	3.31	100.40	2.60	0.07	0.67
61.93	58.30	30.79	3.25	100.21	2.59	0.07	0.67
62.01	59.54	31.58	3.16	99.87	2.57	0.08	0.68
62.09	58.77	31.04	3.22	99.88	2.58	0.07	0.67
62.17	60.03	31.66	3.25	102.78	2.59	0.08	0.68
62.25	60.84	32.08	3.24	103.90	2.59	0.08	0.68
62.34	60.88	32.01	3.29	105.20	2.59	0.08	0.68
62.42	60.28	31.53	3.37	106.34	2.61	0.91	2.08
62.50	61.73	32.58	3.16	102.81	2.57	0.08	0.68
62.58	61.00	32.07	3.21	102.90	2.58	0.08	0.68
62.66	60.21	31.51	3.26	102.73	2.59	0.08	0.68
62.75	59.85	31.27	3.27	102.22	2.59	0.07	0.68
62.83	56.91	29.36	3.48	102.17	2.62	0.89	1.94
62.91	57.09	29.28	3.62	105.93	2.65	0.88	1.95
62.99	57.47	29.47	3.60	106.05	2.64	0.88	1.96

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
63.07	57.98	29.74	3.56	106.04	2.64	0.88	1.97
63.16	58.49	30.01	3.55	106.40	2.63	0.88	1.99
63.24	62.24	32.32	3.30	106.52	2.59	0.08	0.68
63.32	63.01	32.73	3.28	107.30	2.59	0.08	0.68
63.40	63.58	32.99	3.29	108.54	2.59	0.08	0.68
63.48	64.11	33.22	3.31	109.81	2.60	0.08	0.68
63.57	64.59	33.42	3.32	111.05	2.60	0.08	0.68
63.65	65.09	33.63	3.34	112.35	2.60	1.00	2.21
63.73	65.67	33.88	3.36	113.85	2.61	1.02	2.23
63.81	65.96	33.94	3.40	115.43	2.61	1.05	2.23
63.89	65.94	33.82	3.46	116.97	2.62	1.09	2.23
63.98	65.60	33.52	3.52	117.85	2.63	1.13	2.22
64.06	64.67	33.02	3.48	114.84	2.62	1.14	2.18
64.14	63.36	32.21	3.53	113.77	2.63	1.10	2.13
64.22	62.34	31.60	3.54	111.95	2.63	0.77	2.09
64.30	61.64	31.23	3.51	109.62	2.63	0.97	2.06
64.39	58.07	29.07	3.69	107.33	2.66	0.96	1.93
64.47	57.63	28.73	3.76	108.13	2.67	0.93	1.91
64.55	57.49	28.69	3.69	105.95	2.66	0.87	1.91
64.63	57.50	28.75	3.61	103.73	2.64	0.83	1.90
64.72	57.35	28.69	3.56	101.99	2.64	0.79	1.90
64.80	60.19	30.48	3.31	100.83	2.60	0.07	0.67
64.88	60.14	30.62	3.15	96.34	2.57	0.07	0.67
64.96	59.92	30.44	3.17	96.36	2.57	0.07	0.67
65.04	59.39	30.05	3.22	96.82	2.58	0.07	0.67
65.13	58.94	29.71	3.27	97.11	2.59	0.07	0.67
65.21	55.39	27.45	3.55	97.35	2.63	0.80	1.81
65.29	55.21	27.15	3.72	100.98	2.66	0.80	1.80
65.37	55.15	27.08	3.73	100.90	2.66	0.78	1.80
65.45	55.23	27.09	3.72	100.90	2.66	0.76	1.80
65.53	55.40	27.16	3.71	100.84	2.66	0.78	1.80
65.62	58.69	29.37	3.28	96.23	2.59	0.07	0.67
65.70	58.39	29.32	3.16	92.60	2.57	0.07	0.67
65.78	57.74	29.06	3.06	88.90	2.55	0.07	0.67
65.86	56.73	28.48	3.06	87.19	2.55	0.07	0.66
65.94	52.12	25.63	3.37	86.50	2.61	0.50	1.68
66.03	47.75	22.71	4.03	91.54	2.70	0.67	1.52
66.11	43.94	20.26	4.72	95.66	2.79	0.71	1.39
66.19	42.58	19.32	5.13	99.07	2.84	0.77	1.34
66.27	42.09	18.96	5.29	100.40	2.86	0.77	1.32
66.36	45.23	20.74	4.88	101.17	2.81	0.77	1.43
66.44	48.21	22.46	4.50	101.03	2.77	0.78	1.53
66.52	50.80	23.96	4.21	101.00	2.73	0.78	1.62
66.60	51.26	24.21	4.16	100.79	2.72	0.78	1.63
66.68	51.23	24.28	4.02	97.69	2.70	0.78	1.63
66.77	51.24	24.33	3.94	95.80	2.69	0.75	1.63
66.85	51.38	24.43	3.87	94.65	2.68	0.53	1.63
66.93	51.75	24.67	3.78	93.29	2.67	0.63	1.64

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
67.01	49.58	23.38	3.95	92.44	2.69	0.69	1.56
67.09	49.67	23.33	4.04	94.33	2.71	0.68	1.56
67.17	49.86	23.38	4.06	95.01	2.71	0.67	1.57
67.26	50.03	23.44	4.06	95.14	2.71	0.67	1.57
67.34	49.97	23.37	4.08	95.36	2.71	0.68	1.57
67.42	52.52	24.85	3.83	95.25	2.68	0.70	1.65
67.50	52.65	24.96	3.75	93.68	2.67	0.69	1.65
67.58	52.37	24.80	3.74	92.67	2.66	0.68	1.64
67.67	52.09	24.62	3.74	92.19	2.66	0.55	1.63
67.75	51.69	24.38	3.75	91.51	2.67	0.60	1.62
67.83	49.63	23.18	3.90	90.43	2.69	0.66	1.54
67.91	48.88	22.68	4.02	91.08	2.70	0.64	1.52
68.00	48.62	22.49	4.05	91.00	2.71	0.59	1.51
68.08	48.33	22.32	4.05	90.36	2.71	0.60	1.49
68.16	47.92	22.06	4.08	90.11	2.71	0.60	1.48
68.24	49.24	22.80	3.96	90.35	2.70	0.61	1.52
68.32	49.47	22.96	3.88	89.10	2.68	0.62	1.53
68.41	49.63	23.05	3.84	88.41	2.68	0.61	1.53
68.49	49.85	23.18	3.78	87.70	2.67	0.51	1.54
68.57	50.64	23.64	3.68	87.13	2.66	0.55	1.56
68.65	51.06	23.88	3.63	86.75	2.65	0.56	1.57
68.73	51.57	24.09	3.65	87.91	2.65	0.58	1.59
68.82	52.01	24.29	3.65	88.56	2.65	0.59	1.60
68.90	52.36	24.45	3.64	89.03	2.65	0.59	1.61
68.98	52.54	24.51	3.64	89.26	2.65	0.60	1.61
69.06	53.05	24.77	3.61	89.36	2.64	0.60	1.63
69.14	53.40	24.97	3.57	89.19	2.64	0.60	1.64
69.23	53.49	25.08	3.49	87.55	2.63	0.60	1.64
69.31	53.56	25.12	3.46	86.99	2.62	0.58	1.64
69.39	53.36	24.98	3.47	86.58	2.62	0.48	1.63
69.47	53.18	24.87	3.46	86.14	2.62	0.56	1.62
69.55	51.44	23.79	3.62	86.06	2.65	0.57	1.56
69.64	51.13	23.52	3.71	87.20	2.66	0.56	1.55
69.72	50.87	23.35	3.73	87.15	2.66	0.56	1.54
69.80	50.84	23.31	3.72	86.80	2.66	0.56	1.54
69.88	50.67	23.21	3.72	86.38	2.66	0.55	1.53
69.96	52.30	24.16	3.56	85.99	2.64	0.54	1.58
70.05	52.64	24.36	3.51	85.50	2.63	0.53	1.59
70.13	52.84	24.47	3.47	85.02	2.62	0.54	1.60
70.21	53.09	24.61	3.44	84.58	2.62	0.52	1.60
70.29	53.21	24.67	3.41	84.10	2.61	0.52	1.60
70.37	53.39	24.79	3.36	83.37	2.61	0.51	1.61
70.46	53.55	24.88	3.33	82.84	2.60	0.50	1.61
70.54	53.80	25.02	3.29	82.34	2.59	0.07	0.65
70.62	54.08	25.62	2.90	74.35	2.53	0.07	0.65
70.70	54.47	26.40	2.49	65.85	2.44	0.07	0.66
70.78	54.64	27.24	2.08	56.69	2.34	0.07	0.66
70.87	54.92	28.53	1.64	46.90	2.19	0.07	0.66

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
70.95	51.55	26.37	1.73	45.59	2.22	0.07	0.66
71.03	50.62	24.74	2.22	55.04	2.38	0.07	0.65
71.11	50.74	24.11	2.65	63.98	2.48	0.06	0.64
71.19	50.84	23.62	3.06	72.31	2.55	0.06	0.64
71.28	50.82	23.15	3.46	80.12	2.62	0.46	1.51
71.36	54.75	25.43	3.15	80.03	2.57	0.07	0.65
71.44	56.23	26.35	3.00	78.93	2.54	0.07	0.66
71.52	56.67	26.61	2.95	78.44	2.53	0.07	0.66
71.60	57.15	26.86	2.92	78.46	2.53	0.07	0.66
71.69	57.52	27.04	2.91	78.72	2.53	0.07	0.66
71.77	56.35	26.25	3.03	79.62	2.55	0.07	0.65
71.85	55.86	25.79	3.18	81.95	2.57	0.07	0.65
71.93	55.75	25.60	3.27	83.63	2.59	0.07	0.65
72.01	55.69	25.46	3.33	84.90	2.60	0.53	1.65
72.10	55.80	25.46	3.36	85.57	2.61	0.54	1.65
72.18	57.19	26.24	3.26	85.57	2.59	0.07	0.65
72.26	57.80	26.53	3.25	86.22	2.59	0.07	0.66
72.34	57.92	26.53	3.27	86.82	2.59	0.07	0.66
72.42	57.79	26.44	3.27	86.47	2.59	0.07	0.66
72.51	57.48	26.27	3.27	85.77	2.59	0.07	0.65
72.59	56.70	25.91	3.23	83.66	2.58	0.07	0.65
72.67	56.32	25.94	3.03	78.71	2.55	0.07	0.65
72.75	56.07	25.89	2.96	76.63	2.54	0.07	0.65
72.83	55.88	25.82	2.92	75.49	2.53	0.07	0.65
72.92	54.85	25.20	2.98	75.17	2.54	0.07	0.65
73.00	51.97	23.38	3.30	77.05	2.59	0.06	0.64
73.08	51.46	22.84	3.54	80.91	2.63	0.48	1.49
73.16	50.94	22.49	3.62	81.39	2.65	0.48	1.47
73.25	50.49	22.21	3.66	81.34	2.65	0.49	1.45
73.33	51.08	22.53	3.60	81.07	2.64	0.47	1.47
73.41	54.01	24.42	3.15	77.05	2.57	0.06	0.65
73.49	54.21	24.61	3.07	75.51	2.56	0.07	0.65
73.57	54.32	24.66	3.04	75.09	2.55	0.07	0.65
73.66	54.00	24.43	3.09	75.38	2.56	0.06	0.65
73.74	50.38	22.27	3.42	76.05	2.61	0.45	1.44
73.82	49.32	21.42	3.74	80.08	2.66	0.47	1.41
73.90	48.60	20.90	3.91	81.64	2.69	0.49	1.38
73.98	47.97	20.49	4.01	82.17	2.70	0.49	1.36
74.06	47.49	20.20	4.07	82.12	2.71	0.50	1.34
74.15	50.01	21.64	3.76	81.34	2.67	0.48	1.42
74.23	49.66	21.53	3.67	79.03	2.65	0.47	1.41
74.31	48.68	21.16	3.55	75.13	2.64	0.44	1.38
74.39	47.46	20.50	3.61	73.97	2.64	0.34	1.34
74.47	46.27	19.87	3.67	72.86	2.65	0.25	1.30
74.56	43.00	18.03	4.00	72.21	2.70	0.40	1.20
74.64	39.58	16.16	4.41	71.20	2.75	0.39	1.09
74.72	38.90	15.68	4.68	73.37	2.79	0.39	1.07
74.80	38.46	15.42	4.76	73.38	2.80	0.27	1.05

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
74.89	38.50	15.41	4.78	73.69	2.80	0.38	1.05
74.97	38.24	15.25	4.82	73.57	2.80	0.40	1.04
75.05	41.13	16.73	4.49	75.20	2.77	0.41	1.13
75.13	41.99	17.27	4.24	73.22	2.73	0.39	1.16
75.21	43.30	18.02	4.01	72.19	2.70	0.37	1.19
75.30	45.25	19.32	3.52	67.94	2.63	0.26	1.25
75.38	50.37	22.27	3.02	67.25	2.55	0.06	0.64
75.46	49.83	21.88	3.12	68.17	2.56	0.06	0.63
75.54	52.11	22.96	3.11	71.38	2.56	0.06	0.64
75.62	49.73	21.44	3.44	73.70	2.62	0.42	1.38
75.70	50.13	21.33	3.72	79.32	2.66	0.45	1.39
75.79	50.50	21.34	3.85	82.13	2.68	0.47	1.40
75.87	53.95	23.22	3.57	82.89	2.64	0.53	1.51
75.95	54.34	23.29	3.66	85.12	2.65	0.55	1.52
76.03	59.05	25.81	3.36	86.77	2.61	0.49	1.66
76.11	59.97	26.23	3.36	88.03	2.60	0.60	1.69
76.20	59.52	25.87	3.45	89.26	2.62	0.61	1.67
76.28	59.84	25.90	3.52	91.29	2.63	0.62	1.68
76.36	60.11	26.15	3.41	89.11	2.61	0.64	1.68
76.44	60.76	26.47	3.37	89.27	2.61	0.63	1.70
76.53	61.40	26.78	3.34	89.57	2.60	0.44	1.72
76.61	62.78	27.50	3.27	89.96	2.59	0.07	0.66
76.69	59.85	25.79	3.51	90.59	2.63	0.64	1.67
76.77	59.75	25.54	3.66	93.44	2.65	0.67	1.66
76.85	59.41	25.32	3.70	93.56	2.66	0.66	1.65
76.94	59.51	25.34	3.69	93.52	2.66	0.65	1.65
77.02	60.25	25.72	3.63	93.48	2.65	0.63	1.67
77.10	65.04	28.54	3.18	90.71	2.58	0.07	0.66
77.18	67.14	29.90	2.93	87.64	2.53	0.07	0.67
77.26	68.75	30.85	2.82	86.95	2.51	0.07	0.67
77.35	69.74	31.29	2.82	88.16	2.51	0.07	0.68
77.43	67.24	29.85	2.94	87.69	2.53	0.07	0.67
77.51	63.28	27.27	3.39	92.46	2.61	0.73	1.75
77.59	61.10	25.69	3.81	98.01	2.67	0.62	1.68
77.67	60.49	25.15	4.03	101.45	2.71	0.81	1.66
77.76	58.44	23.94	4.30	103.02	2.74	0.85	1.60
77.84	61.20	25.27	4.17	105.47	2.72	0.86	1.68
77.92	65.23	27.58	3.74	103.04	2.66	0.85	1.80
78.00	67.42	28.95	3.43	99.42	2.62	0.84	1.86
78.08	68.44	29.52	3.35	98.89	2.60	0.63	1.89
78.17	71.12	30.96	3.20	99.20	2.58	0.07	0.67
78.25	70.15	30.29	3.32	100.59	2.60	0.07	0.67
78.33	67.93	28.76	3.65	105.11	2.65	0.89	1.87
78.41	67.61	28.21	3.93	110.83	2.69	0.94	1.86
78.49	67.42	27.93	4.06	113.49	2.71	0.98	1.85
78.58	67.54	28.14	3.91	110.05	2.69	1.06	1.85
78.66	69.61	29.31	3.72	109.04	2.66	1.06	1.91
78.74	71.93	30.61	3.52	107.85	2.63	0.58	1.97

:: Strength loss calculation (Olsen & Stark (2002)) :: (continued)

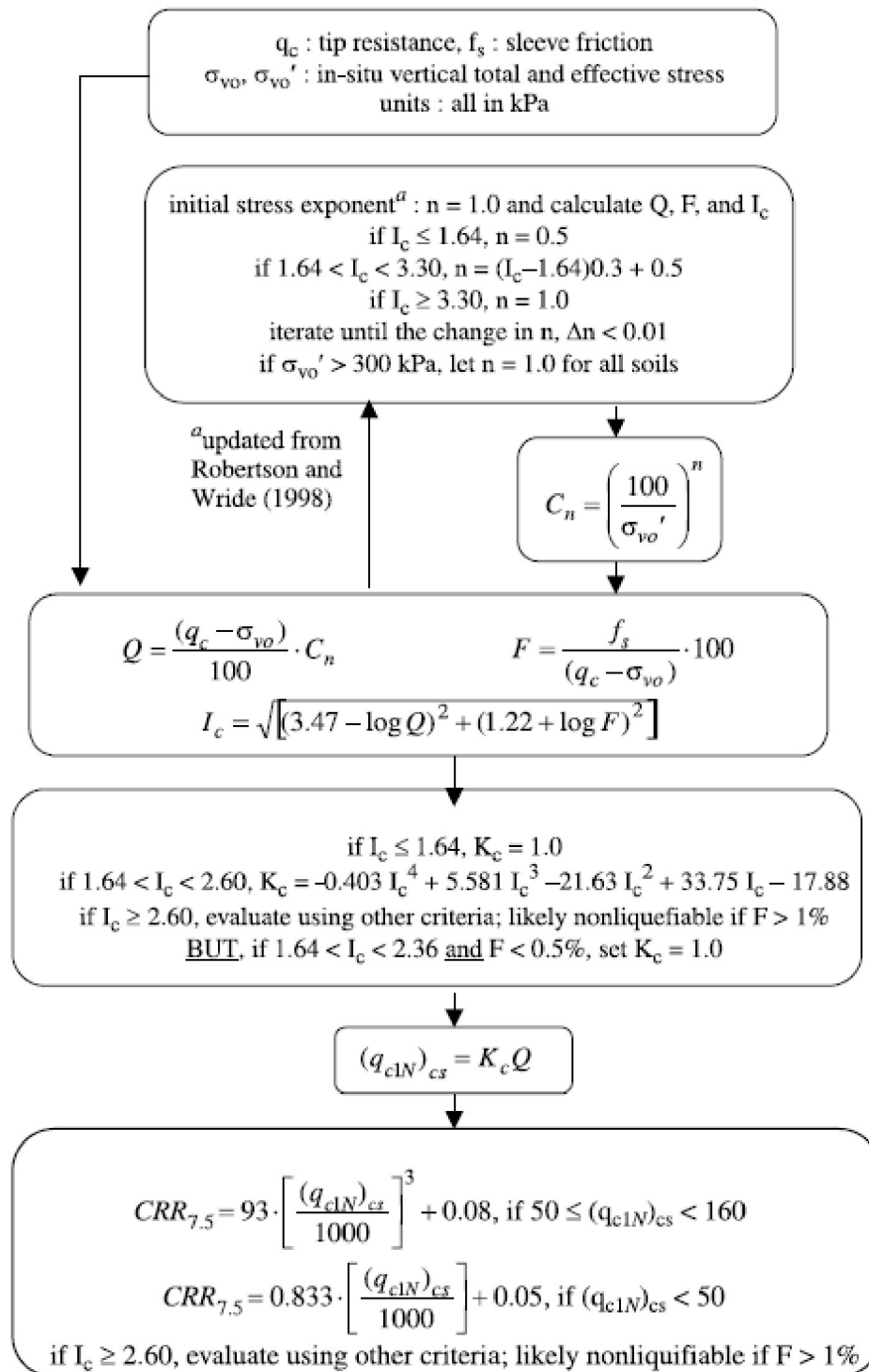
Depth (ft)	q_t (tsf)	Q_{tn}	K_c	$Q_{tn,cs}$	I_c	$S_{u(liq)}/\sigma'_v$	$S_{u(peak)}/\sigma'_v$
78.82	71.93	30.70	3.44	105.60	2.62	0.86	1.97
78.90	67.72	28.47	3.64	103.68	2.65	0.89	1.85
78.99	66.63	27.64	3.87	107.00	2.68	0.87	1.81
79.07	65.49	27.00	3.95	106.71	2.69	0.87	1.78
79.15	64.63	26.55	3.99	105.90	2.70	0.86	1.75
79.23	64.10	26.26	4.01	105.27	2.70	0.83	1.73
79.31	67.53	28.16	3.70	104.23	2.66	0.82	1.83
79.40	67.51	28.20	3.65	102.80	2.65	0.82	1.83
79.48	67.23	28.06	3.63	101.95	2.65	0.80	1.82
79.56	66.97	27.94	3.61	100.95	2.64	0.74	1.81
79.64	66.49	27.72	3.60	99.79	2.64	0.76	1.79
79.72	64.81	26.85	3.67	98.58	2.65	0.74	1.74
79.81	63.99	26.42	3.70	97.71	2.66	0.72	1.72
79.89	63.26	26.30	3.51	92.43	2.63	0.69	1.69
79.97	62.79	26.34	3.31	87.23	2.60	0.07	0.66
80.05	62.45	26.26	3.24	85.12	2.59	0.07	0.65
80.14	63.19	26.74	3.13	83.66	2.57	0.07	0.66
80.22	59.41	24.67	3.36	82.95	2.61	0.57	1.57
80.30	55.31	22.20	3.91	86.77	2.69	0.59	1.46
80.38	53.56	21.07	4.26	89.82	2.74	0.60	1.40
80.46	52.71	20.60	4.35	89.70	2.75	0.60	1.38
80.55	51.94	20.30	4.30	87.28	2.74	0.57	1.35
80.63	54.76	21.89	3.89	85.21	2.69	0.56	1.43
80.71	57.84	23.63	3.52	83.21	2.63	0.42	1.52
80.79	58.51	24.06	3.40	81.73	2.61	0.47	1.54
80.87	56.98	23.28	3.46	80.53	2.62	0.47	1.49
80.95	56.26	22.83	3.55	81.12	2.64	0.48	1.47
81.04	55.99	22.68	3.56	80.77	2.64	0.47	1.46
81.12	55.92	22.65	3.54	80.13	2.63	0.45	1.46
81.20	56.01	22.74	3.48	79.05	2.62	0.44	1.46
81.28	57.56	23.84	3.14	74.79	2.57	0.06	0.64
81.36	58.25	24.36	2.97	72.47	2.54	0.06	0.65
81.45	58.49	25.09	2.58	64.71	2.46	0.07	0.65
81.53	58.61	25.93	2.17	56.38	2.36	0.07	0.65
81.61	55.61	25.19	1.88	47.30	2.28	0.07	0.65
81.69	55.42	25.84	1.64	42.25	2.19	0.07	0.65
81.78	49.35	23.00	1.56	35.79	2.15	0.06	0.64
81.86	50.60	23.72	1.53	36.38	2.14	0.06	0.64

Abbreviations

q_t :	Total cone resistance
K_c :	Cone resistance correction factor due to fines
$Q_{tn,cs}$:	Adjusted and corrected cone resistance due to fines
I_c :	Soil behavior type index
$S_{u(liq)}/\sigma'_v$:	Calculated liquefied undrained strength ratio
$S_{u(peak)}/\sigma'_v$:	Calculated peak undrained strength ratio

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

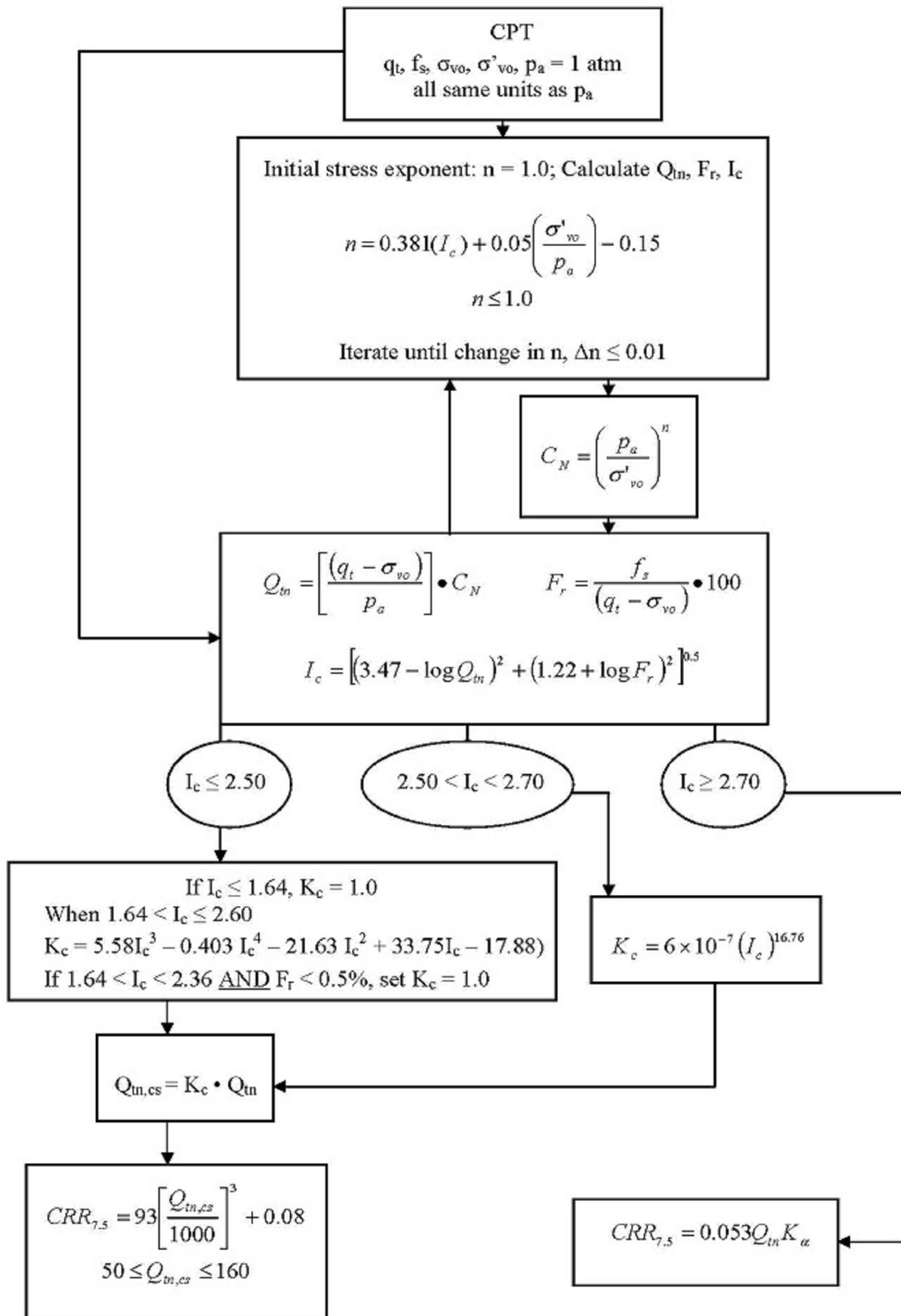
Calculation of soil resistance against liquefaction is performed according to the Robertson & Wride (1998) procedure. The procedure used in the software, slightly differs from the one originally published in NCEER-97-0022 (Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of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



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

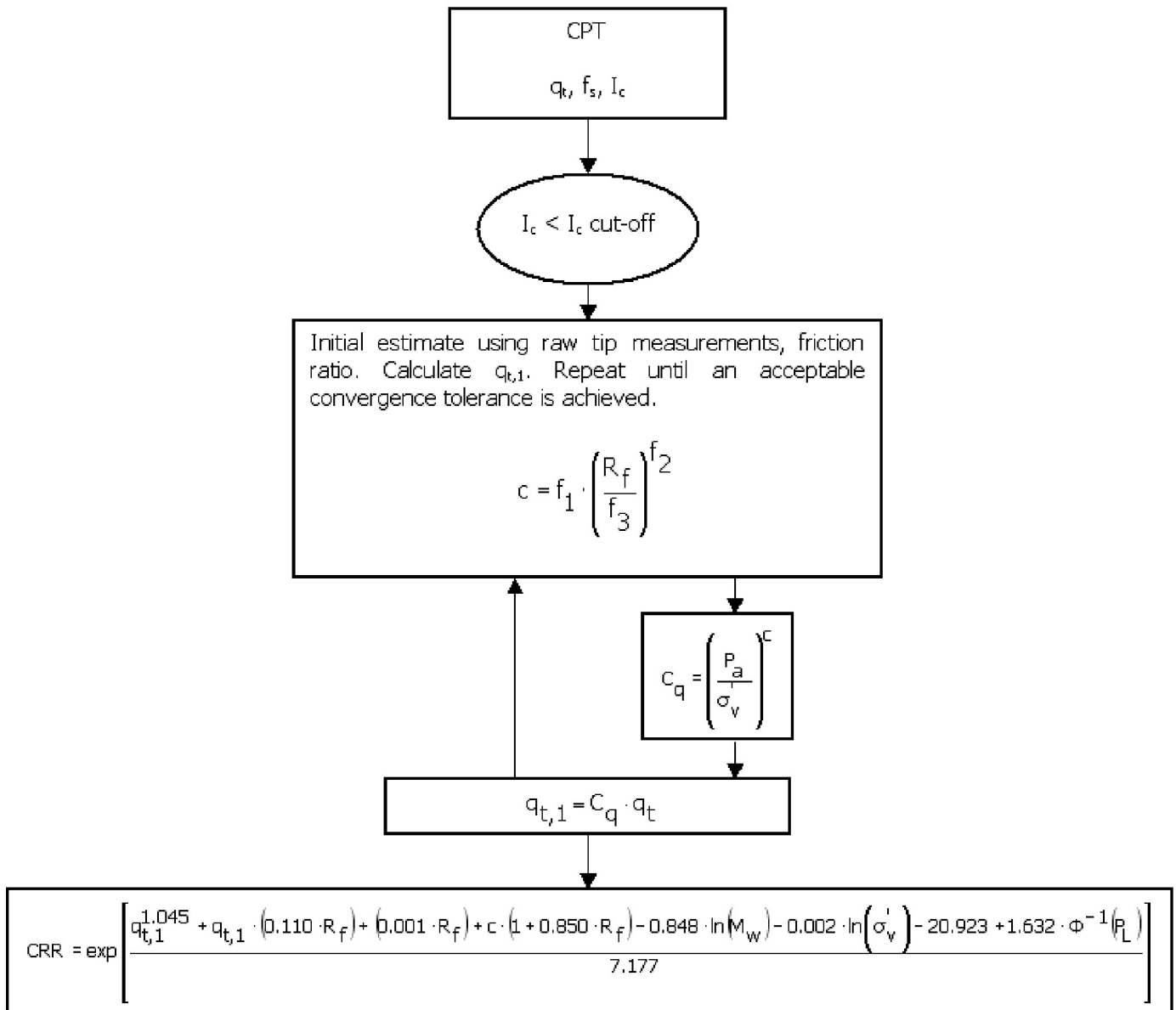
Procedure for the evaluation of soil liquefaction resistance (all soils) - Robertson (2010)

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

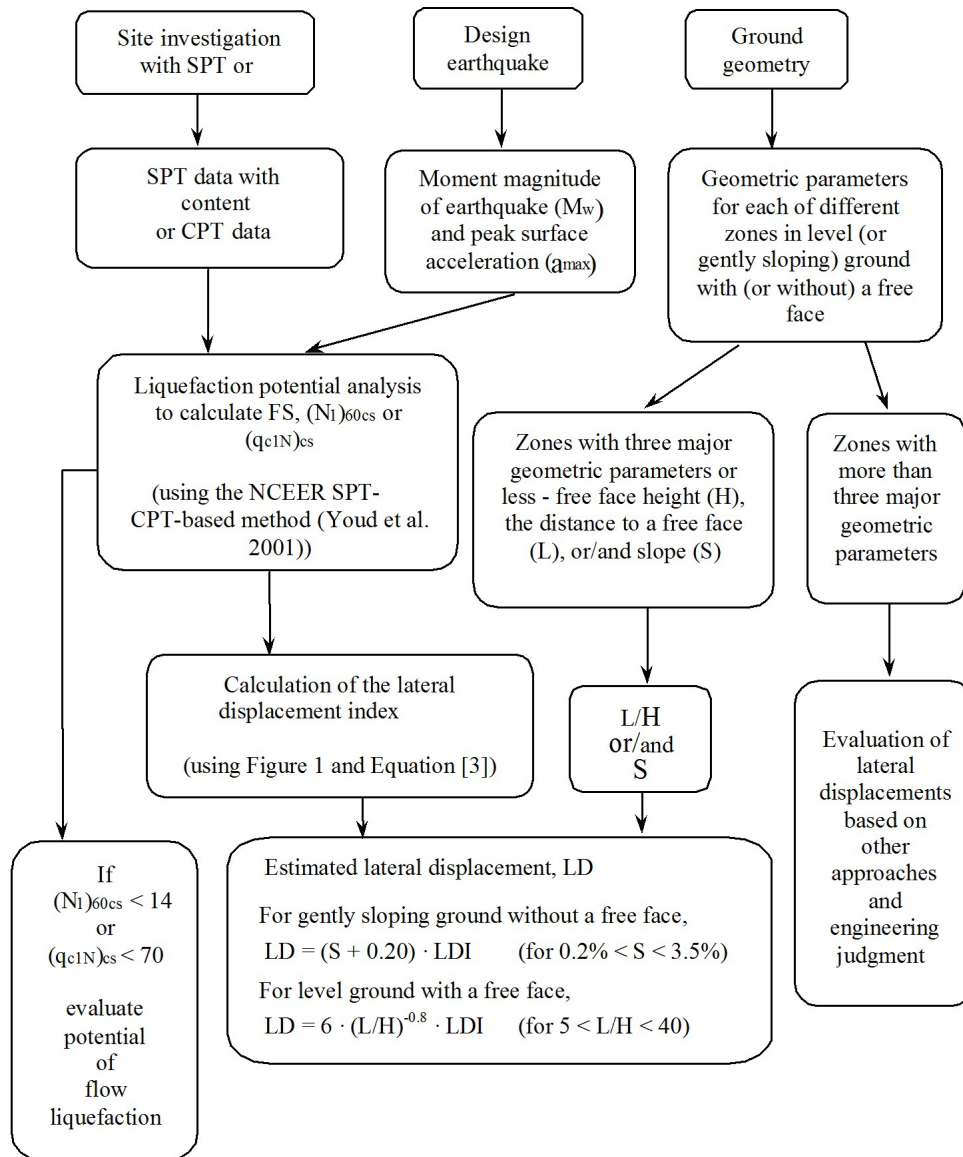


¹ P.K. Robertson, 2009. "Performance based earthquake design using the CPT", Keynote Lecture, International Conference on Performance-based Design in Earthquake Geotechnical Engineering – from case history to practice, IS-Tokyo, June 2009

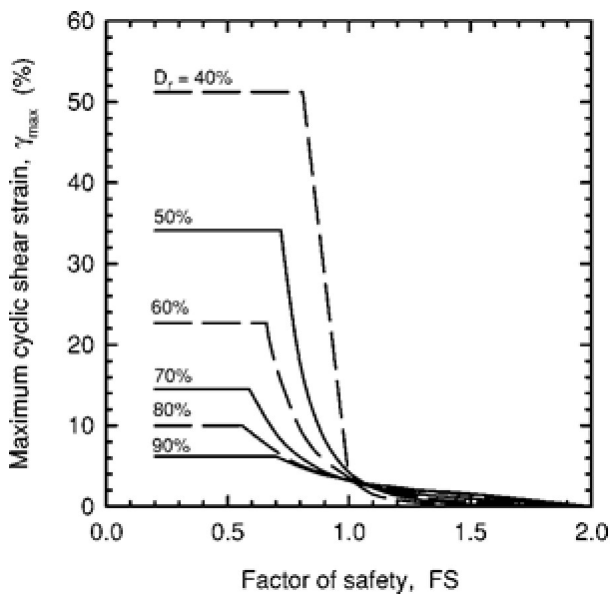
Procedure for the evaluation of soil liquefaction resistance (sandy soils) - Moss et al. (2006)



Procedure for the evaluation of liquefaction-induced lateral spreading displacements



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



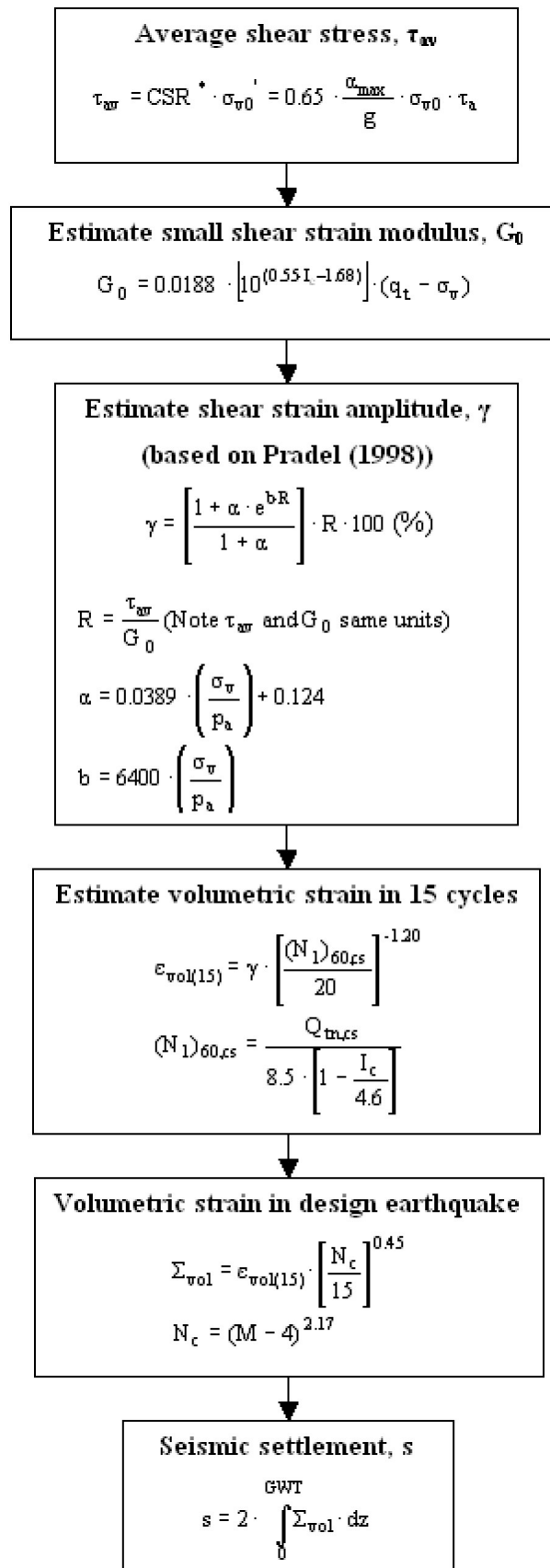
¹ Figure 1

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

¹ Equation [3]

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

Procedure for the estimation of seismic induced settlements in dry sands



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

Liquefaction Potential Index (LPI) calculation procedure

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

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

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

where:

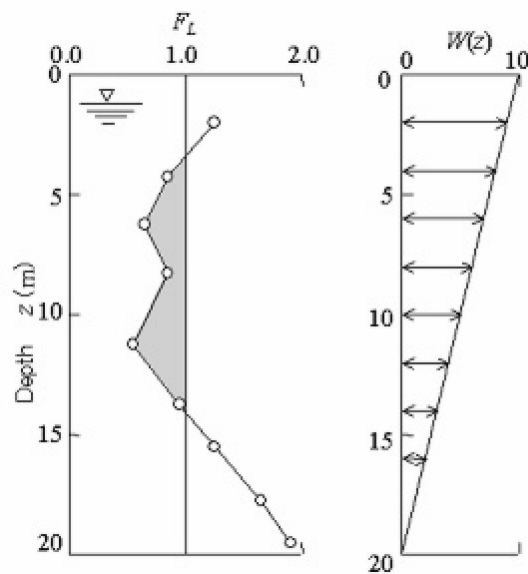
$F_L = 1 - F.S.$ when F.S. less than 1

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

z depth of measurement in meters

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

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



Graphical presentation of the LPI calculation procedure

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