Data File:CPT366 09-15-05 08:52
Operator:B. BUCKNAM Location:HP-05
Cone ID:510 Job Number:
Customer:TEST AMERICA Units:English

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
0.16	8.1	0.230	2.840	0.00	5	3	clay
0.33	6.8	0.330	4.853	0.00	7	3	clay
0.49	8.6	0.280	3.256	0.00	7	3	clay
0.66	7.1	0.170	2.394	0.00	5	4	silty clay to clay
0.82	6.3	0.090	1.429	0.00	4	4	silty clay to clay
0.98	5.8	0.110	1.896	0.10	3	5	clayey silt to silty cla
1.15	9.8	0.120	1.224	0.00	4	5	clayey silt to silty cla
1.31	7.1	0.080	1.127	0.10	4	1	sensitive fine grained
1.48	5.1	0.030	0.588	0.00	2	1	sensitive fine grained
1.64	3.4	0.030	0.882	0.10	2	1	sensitive fine grained
1.80	2.9	0.040	1.379	0.00	2	1	sensitive fine grained
1.97	3.1	0.040	1.290	0.10	2	1	sensitive fine grained
2.13	4.6	0.090	1.956	0.10	4	3	clay
2.30	5.2	0.220	4.230	0.10	5	3	clay
2.46	7.3	0.290	3.972	0.10	7	3	clay
2.62	8.4	0.270	3.214	0.00	6	3	clay
2.79	4.6	0.130	2.825	0.10	5	3	clay
2.95	4.2	0.100	2.380	0.10	4	3	clay
3.12	4.0	0.090	2.250	0.00	4	3	clay
3.28	3.5	0.090	2.571	0.00	3	3	clay
3.44	3.4	0.070	2.058	0.10	3	3	clay
3.61	3.7	0.060	1.622	0.00	3	3	clay
3.77	3.5	0.080	2.285	0.10	4	3	clay
3.94	4.1	0.080	1.951	0.00	4	3	clay
4.10	4.8	0.100	2.083	0.00	5	3	clay
4.27	7.5	0.330	4.400	0.00	9	3	clay
4.43	14.9	0.530	3.557	0.00	9	4	silty clay to clay
4.59	21.9	0.540	2.466	-0.30	10	5	clayey silt to silty cla
4.76	23.9	0.460	1.925	-0.10	9	6	sandy silt to clayey sil
4.92	22.8	0.480	2.105	-0.10	10	5	clayey silt to silty cla
5.09	17.0	0.540	3.176	0.00	8	5	clayey silt to silty cla
5.25	12.4	0.380	3.065	-0.10	9	4	silty clay to clay
5.41	11.1	0.470	4.234	0.00	11	3	clay
5.58	11.5	0.570	4.964	-1.20	11	3	clay
5.74	11.9	0.540	4.542	-0.70	11	3	clay
5.91	12.6	0.540	4.290	-0.80	12	3	clay
6.07	12.9	0.590	4.579	-1.10	12	3	clay
6.23	12.7	0.670	5.284	-1.40	12	3	clay
6.40	12.6	0.680	5.405	-1.40	12	3	clay
6.56	12.3	0.670	5.457	-1.60	12	3	clay
6.73	11.9	0.690	5.810	-1.60	12	3	clay
6.89	12.0	0.720	6.012	-1.60	12	3	clay
7.05	12.3	0.760	6.192	-1.80	12	3	clay
7.22	12.0	0.730	6.097	-1.80	11	3	clay
7.38	11.2	0.640	5.727	-1.70	11	3	clay
7.55	10.6	0.570	5.389	-1.60	10	3	clay
7.71	10.4	0.530	5.110	-2.00	10	3	clay
7.87	10.3	0.510	4.965	-1.90	10	3	clay
8.04	11.0	0.530	4.830	-1.90	10	3	clay
8.20	11.3	0.590	5.236	-2.20	11	3	clay
8.37	11.4	0.590	5.189	-2.00	11	3	clay
8.53	11.6	0.590	5.102	-2.50	11	3	clay
8.69	11.3	0.620	5.504	-2.40	11	3	clay
8.86	10.6	0.560	5.301	-2.50	10	3	clay
9.02	9.3	0.470	5.072	-2.30	9	3	clay

*Soil behavior type and SPT based on data from UBC-1983

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
9.19	9.6	0.460	4.806	-2.00	9	3	clay
9.35	10.5	0.490	4.682	-2.40	10	3	clay
9.51	10.3	0.540	5.262	-2.60	10	3	clay
9.68	10.0	0.510	5.120	-2.70	9	3	clay
9.84	9.5	0.420	4.437	-2.30	9	3	clay
10.01	8.9	0.400	4.511	-2.30	9	3	clay
10.17	8.9	0.410	4.625	-2.50	8	3	clay
10.33	8.4	0.390	4.661	-2.30	8	3	clay
10.50	9.1	0.420	4.631	-2.10	9	3	clay
10.66	9.8	0.480	4.916	-2.50	9	3	clay
10.83	9.7	0.530	5.485	-2.60	9	3	clay
10.99	10.2	0.520	5.116	-2.50	10	3	clay
11.15	10.1	0.530	5.267	-2.60	9	3	clay
11.32	9.5	0.520	5.495	-2.50	9	3	clay
11.48	9.9	0.560	5.676	-2.40	9	3	clay
11.65	9.9	0.570	5.779	-2.60	9	3	clay
11.81	9.4	0.540	5.769	-2.70	9	3	clay
11.98	9.6	0.510	5.333	-2.60	9	3	clay
12.14	9.1	0.480	5.297	-2.60	9	3	clay
12.30	9.4	0.500	5.340	-2.50	9	3	clay
12.47	10.0	0.580	5.822	-2.60	9	3	clay
12.63	10.3	0.630	6.141	-2.90	10	3	clay
12.80	9.9	0.570	5.784	-3.10	9	3	clay
12.96	9.3	0.470	5.077	-2.90	9	3	clay
13.12	9.8	0.370	3.792	-3.00	9	3	clay
13.29	9.6	0.340	3.558	-3.10	9	3	clay
13.45	9.0	0.330	3.686	-3.20	9	3	clay
13.62	9.3	0.360	3.890	-3.20	9	3	clay
13.78	9.5	0.410	4.338	-3.40	9	3	clay
13.94	10.2	0.440	4.335	-3.40	10	3	clay
14.11	10.5	0.430	4.114	-3.30	10	3	clay
14.27	10.9	0.410	3.778	-3.40	10	3	clay
14.44	10.7	0.370	3.473	-3.30	10	3	clay
14.60	10.2	0.340	3.349	-3.30	10	3	clay
14.76	10.5	0.370	3.540	-3.30	10	3	clay
14.93	11.0	0.490	4.473	-3.20	8	4	silty clay to clay
15.09	14.5	0.440	3.026	-4.10	8	4	silty clay to clay
15.26	13.1	0.440	3.349	-4.20	9	4	silty clay to clay
15.42	13.2	0.550	4.154	-4.10	10	4	silty clay to clay
15.58	20.4	0.780	3.818	-4.80	13	6	sandy silt to clayey sil
15.75	67.1	0.970	1.446	-9.60	19	7	silty sand to sandy silt
15.91	86.8	1.360	1.567	-5.90	28	7	silty sand to sandy silt
16.08	108.6	1.490	1.371	-3.50	25	8	sand to silty sand
16.24	116.4	1.630	1.400	-3.50	28	8	sand to silty sand
16.40	122.2	1.780	1.457	-0.70	27	8	sand to silty sand
16.57	103.7	1.980	1.910	-1.10	36	7	silty sand to sandy silt
16.73	108.9	2.100	1.929	-1.70	37	7	silty sand to sandy silt
16.90	134.2	2.020	1.506	-1.90	32	8	sand to silty sand
17.06	159.6	1.660	1.040	-7.30	37	8	sand to silty sand
17.22	167.6	1.230	0.734	-8.90	33	9	sand
17.39	190.3	1.830	0.962	-7.70	35	9	sand
17.55	183.8	1.420	0.773	-9.30	38	9	sand
17.72	222.5	1.470	0.661	-11.00	44	9	sand
17.88	279.6	1.470	0.526	-11.50	49	9	sand
18.04	273.3	1.230	0.450	-11.10	52	9	sand
18.21	261.9	1.270	0.485	-10.50	50	9	sand
18.37	243.2	0.740	0.304	-10.20	46	9	sand
18.54	208.0	0.560	0.269	-10.40	40	9	sand
18.70	183.0	0.440	0.240	-9.10	36	9	sand
18.86	168.4	0.320	0.190	-9.10	33	9	sand

*Soil behavior type and SPT based on data from UBC-1983

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
19.03	159.6	0.760	0.476	-8.80	34	9	sand
19.19	209.2	0.760	0.363	-8.90	40	9	sand
19.36	253.9	1.330	0.524	-9.10	42	10	gravelly sand to sand
19.52	321.0	0.690	0.215	-8.90	58	9	sand
19.69	331.5	4.070	1.228	-8.20	64	9	sand
19.85	344.1	5.050	1.468	-9.10	67	9	sand
20.01	376.3	3.140	0.835	-2.90	74	9	sand
20.18	438.1	2.200	0.502	-2.30	62	10	gravelly sand to sand
20.34	344.4	2.170	0.630	-1.80	61	10	gravelly sand to sand
20.51	356.2	2.520	0.708	-9.10	55	10	gravelly sand to sand
20.67	331.9	2.180	0.657	-6.10	54	10	gravelly sand to sand
20.83	331.1	2.090	0.631	-5.20	54	10	gravelly sand to sand
21.00	346.3	2.250	0.650	-8.50	55	10	gravelly sand to sand
21.16	348.0	1.780	0.512	-8.80	53	10	gravelly sand to sand
21.33	306.6	1.830	0.597	-9.10	50	10	gravelly sand to sand
21.49	279.8	1.000	0.357	-9.70	47	10	gravelly sand to sand
21.65	290.7	1.310	0.451	-9.30	46	10	gravelly sand to sand
21.82	291.7	0.640	0.219	-8.00	44	10	gravelly sand to sand
21.98	245.5	1.350	0.550	-8.20	40	10	gravelly sand to sand
22.15	210.2	0.740	0.352	-2.00	42	9	sand
22.31	207.4	1.290	0.622	-7.40	44	9	sand
22.47	269.6	0.970	0.360	-11.40	48	9	sand
22.64	282.3	0.940	0.333	-10.90	43	10	gravelly sand to sand
22.80	262.4	1.320	0.503	-10.80	47	10	gravelly sand to sand
22.97	329.9	2.080	0.631	-10.30	52	10	gravelly sand to sand
23.13	384.2	2.130	0.554	-9.60	60	10	gravelly sand to sand
23.29	407.6	2.060	0.505	-10.90	63	10	gravelly sand to sand
23.46	391.3	2.650	0.677	-10.90	64	10	gravelly sand to sand
23.62	407.1	2.150	0.528	-10.10	65	10	gravelly sand to sand
23.79	417.5	2.710	0.649	-9.90	68	10	gravelly sand to sand
23.95	451.8	3.020	0.668	-9.50	69	10	gravelly sand to sand
24.11	433.5	4.920	1.135	-9.40	78	9	sand
24.28	331.5	4.240	1.279	-10.50	68	9	sand
24.44	303.4	2.480	0.817	-10.60	60	9	sand
24.61	301.1	1.440	0.478	-10.80	49	10	gravelly sand to sand
24.77	307.7	1.230	0.400	-9.60	49	10	gravelly sand to sand
24.93	318.0	1.590	0.500	0.60	49	10	gravelly sand to sand
25.10	304.6	1.890	0.620	-0.20	48	10	gravelly sand to sand
25.26	285.2	1.380	0.484	-6.10	55	9	sand
25.43	266.8	2.010	0.753	-7.10	54	9	sand
25.59	297.6	2.310	0.776	-4.30	56	9	sand
25.75	317.3	1.410	0.444	-6.20	58	9	sand
25.92	292.4	1.590	0.544	-8.30	49	10	gravelly sand to sand
26.08	310.7	1.120	0.361	-9.20	50	10	gravelly sand to sand
26.25	334.3	1.950	0.583	-9.50	55	10	gravelly sand to sand
26.41	382.1	2.090	0.547	-9.80	58	10	gravelly sand to sand
26.57	374.6	1.700	0.454	-11.20	59	10	gravelly sand to sand
26.74	353.2	0.990	0.280	-11.40	56	10	gravelly sand to sand
26.90	320.8	0.970	0.302	-11.70	53	10	gravelly sand to sand
27.07	314.2	1.120	0.356	-11.90	52	10	gravelly sand to sand
27.23	346.5	0.890	0.257	-11.90	54	10	gravelly sand to sand
27.40	356.9	0.970	0.272	-12.00	56	10	gravelly sand to sand
27.56	340.1	0.720	0.212	-11.90	55	10	gravelly sand to sand
27.72	345.3	0.780	0.226	-11.70	54	10	gravelly sand to sand
27.89	322.5	0.740	0.229	-11.50	49	10	gravelly sand to sand
28.05	254.9	1.670	0.655	-11.30	45	9	sand
28.22	133.2	2.700	2.026	-11.20	35	8	sand to silty sand
28.38	49.0	2.160	4.404	-10.80	26	6	sandy silt to clayey sil
28.54	25.0	1.000	4.008	-10.20	20	4	silty clay to clay
28.71	22.2	0.640	2.888	-9.90	12	5	clayey silt to silty cla

*Soil behavior type and SPT based on data from UBC-1983

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
28.87	27.8	0.730	2.630	-9.70	13	5	clayey silt to silty cla
29.04	28.9	0.780	2.703	-9.80	11	6	sandy silt to clayey sil
29.20	29.5	0.780	2.648	-9.70	11	6	sandy silt to clayey sil
29.36	29.9	0.790	2.646	-9.60	14	5	clayey silt to silty cla
29.53	29.7	0.950	3.203	-9.70	15	5	clayey silt to silty cla
29.69	34.0	1.740	5.123	-9.60	21	5	clayey silt to silty cla
29.86	65.3	2.300	3.525	-9.90	33	4	silty clay to clay
30.02	56.4	2.820	5.004	-10.20	31	5	clayey silt to silty cla
30.18	71.0	2.320	3.265	-10.50	28	5	clayey silt to silty cla
30.35	51.1	2.370	4.636	-12.10	28	5	clayey silt to silty cla
30.51	51.1	1.870	3.657	-11.90	30	6	sandy silt to clayey sil
30.68	130.1	1.680	1.291	-11.90	33	7	silty sand to sandy silt
30.84	129.3	1.850	1.431	-12.20	35	7	silty sand to sandy silt
31.00	65.9	1.570	2.381	-12.00	24	7	silty sand to sandy silt
31.17	32.2	1.410	4.375	-12.10	19	5	clayey silt to silty cla
31.33	22.3	0.900	4.031	-12.00	16	4	silty clay to clay
31.50	20.0	0.790	3.944	-11.90	13	4	silty clay to clay
31.66	18.9	0.710	3.751	-11.80	12	4	silty clay to clay
31.82	18.6	0.590	3.167	-11.90	12	4	silty clay to clay
31.99	17.5	0.580	3.309	-11.80	9	5	clayey silt to silty cla
32.15	18.6	0.610	3.274	-11.60	9	5	clayey silt to silty cla
32.32	18.8	0.640	3.398	-11.50	9	5	clayey silt to silty cla
32.48	18.7	0.630	3.363	-11.50	9	5	clayey silt to silty cla
32.64	18.5	0.590	3.183	-11.50	9	5	clayey silt to silty cla
32.81	16.8	0.570	3.386	-11.40	11	4	silty clay to clay
32.97	15.4	0.530	3.434	-11.40	10	4	silty clay to clay
33.14	14.5	0.550	3.784	-11.40	10	4	silty clay to clay
33.30	14.9	0.530	3.548	-11.30	10	4	silty clay to clay
33.46	15.2	0.550	3.610	-11.30	10	4	silty clay to clay
33.63	14.7	0.530	3.596	-11.30	9	4	silty clay to clay
33.79	14.4	0.500	3.463	-11.20	9	4	silty clay to clay
33.96	14.2	0.470	3.301	-11.10	9	4	silty clay to clay
34.12	12.7	0.400	3.140	-11.10	8	4	silty clay to clay
34.28	11.9	0.440	3.685	-11.00	12	3	clay
34.45	12.9	0.640	4.980	-10.30	11	4	silty clay to clay
34.61	25.7	0.960	3.742	-10.20	14	4	silty clay to clay
34.78	26.5	1.160	4.385	-10.10	17	4	silty clay to clay
34.94	26.4	1.090	4.135	-9.90	16	4	silty clay to clay
35.10	24.6	1.150	4.683	-9.90	23	3	clay
35.27	21.8	1.090	5.010	-9.90	20	3	clay
35.43	17.6	0.860	4.898	-9.80	18	3	clay
35.60	16.0	0.630	3.947	-9.60	16	3	clay
35.76	15.8	0.560	3.553	-9.60	10	4	silty clay to clay
35.93	15.9	0.540	3.404	-9.50	8	5	clayey silt to silty cla
36.09	20.9	0.640	3.067	-9.40	10	5	clayey silt to silty cla
36.25	25.2	0.890	3.537	-9.40	12	5	clayey silt to silty cla
36.42	32.0	1.160	3.629	-9.30	15	5	clayey silt to silty cla
36.58	38.4	1.560	4.066	-9.20	26	4	silty clay to clay
36.75	50.2	2.300	4.585	-9.10	33	4	silty clay to clay
36.91	65.5	2.880	4.399	-9.20	70	11	very stiff fine grained (
37.07	103.9	5.270	5.074	-9.10	97	11	very stiff fine grained (
37.24	133.6	6.680	5.001	-9.20	105	11	very stiff fine grained (
37.40	90.9	5.340	5.878	-10.10	90	11	very stiff fine grained (
37.57	57.7	3.270	5.672	-10.40	61	11	very stiff fine grained (
37.73	42.3	2.820	6.674	-10.20	57	11	very stiff fine grained (
37.89	77.8	3.880	4.990	-10.10	71	11	very stiff fine grained (
38.06	101.6	4.580	4.510	-10.30	84	11	very stiff fine grained (
38.22	82.8	4.000	4.828	-10.50	80	11	very stiff fine grained (
38.39	65.4	4.030	6.167	-10.40	68	11	very stiff fine grained (
38.55	65.3	3.710	5.686	-10.30	63	11	very stiff fine grained (

*Soil behavior type and SPT based on data from UBC-1983

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
38.71	66.6	3.580	5.372	-10.60	67	11	very stiff fine grained (
38.88	78.2	3.650	4.665	-10.70	40	5	clayey silt to silty cla
39.04	108.1	3.470	3.209	-10.80	39	6	sandy silt to clayey sil
39.21	118.9	3.540	2.976	-10.90	44	6	sandy silt to clayey sil
39.37	119.4	2.980	2.495	-11.30	41	7	silty sand to sandy silt
39.53	149.1	2.590	1.737	-11.90	46	7	silty sand to sandy silt
39.70	159.7	2.910	1.822	-12.00	39	8	sand to silty sand
39.86	174.0	2.600	1.494	-12.10	44	8	sand to silty sand
40.03	221.8	2.850	1.285	-12.10	42	9	sand
40.19	269.4	2.320	0.861	-12.10	44	9	sand
40.35	205.5	3.300	1.606	-12.00	49	8	sand to silty sand
40.52	138.5	3.690	2.664	-11.90	45	8	sand to silty sand
40.68	221.1	3.230	1.461	-12.10	52	8	sand to silty sand
40.85	292.9	4.350	1.485	-12.40	72	8	sand to silty sand
41.01	387.6	5.700	1.471	-13.00	68	9	sand
41.17	383.3	4.600	1.200	-12.60	73	9	sand
41.34	366.1	2.220	0.606	-13.10	68	9	sand
41.50	322.4	2.110	0.654	-13.10	54	10	gravelly sand to sand
41.67	323.5	2.030	0.627	-13.00	51	10	gravelly sand to sand
41.83	320.0	1.250	0.391	-13.00	52	10	gravelly sand to sand
41.99	326.5	1.720	0.527	-13.00	53	10	gravelly sand to sand
42.16	345.5	1.900	0.550	-11.60	57	10	gravelly sand to sand
42.32	399.6	1.940	0.485	-12.00	60	10	gravelly sand to sand
42.49	389.5	1.440	0.370	-12.00	59	10	gravelly sand to sand
42.65	312.6	1.910	0.611	-12.10	51	10	gravelly sand to sand
42.81	260.0	1.720	0.661	-12.00	53	9	sand
42.98	259.5	1.560	0.601	-12.10	53	9	sand
43.14	306.1	1.600	0.523	-12.30	57	9	sand
43.31	320.0	1.910	0.597	-12.40	49	10	gravelly sand to sand
43.47	303.1	1.190	0.393	-12.50	48	10	gravelly sand to sand
43.64	276.0	0.780	0.283	-12.50	43	10	gravelly sand to sand
43.80	235.0	0.690	0.294	-12.40	37	10	gravelly sand to sand
43.96	191.3	0.650	0.340	-12.40	42	9	sand
44.13	227.8	0.710	0.312	-12.20	46	9	sand
44.29	297.6	1.080	0.363	-12.30	45	10	gravelly sand to sand
44.46	329.5	0.990	0.300	-12.10	51	10	gravelly sand to sand
44.62	338.8	0.960	0.283	-12.20	52	10	gravelly sand to sand
44.78	316.8	0.790	0.249	-12.20	53	10	gravelly sand to sand
44.95	336.8	0.560	0.166	-12.10	52	10	gravelly sand to sand
45.11	317.6	0.850	0.268	-12.00	49	10	gravelly sand to sand
45.28	269.6	1.010	0.375	-10.10	49	9	sand
45.44	184.6	2.120	1.149	-9.80	34	9	sand
45.60	83.3	1.770	2.126	-9.30	32	7	silty sand to sandy silt
45.77	29.0	1.150	3.966	-7.40	17	6	sandy silt to clayey sil
45.93	20.7	0.420	2.027	-5.30	11	5	clayey silt to silty cla
46.10	21.2	0.390	1.837	-4.50	8	6	sandy silt to clayey sil
46.26	22.2	0.530	2.383	-3.80	11	5	clayey silt to silty cla
46.42	25.8	1.030	3.999	-3.10	15	5	clayey silt to silty cla
46.59	44.5	1.640	3.688	-2.20	23	4	silty clay to clay
46.75	39.9	1.840	4.610	-6.00	19	5	clayey silt to silty cla
46.92	35.2	1.370	3.890	-5.90	22	4	silty clay to clay
47.08	26.6	1.050	3.943	-5.10	14	5	clayey silt to silty cla
47.24	23.8	0.810	3.399	-4.60	12	5	clayey silt to silty cla
47.41	22.4	0.790	3.521	-4.20	15	4	silty clay to clay
47.57	22.4	0.970	4.322	-3.80	16	4	silty clay to clay
47.74	28.7	1.130	3.944	-3.30	15	5	clayey silt to silty cla
47.90	40.4	1.110	2.744	-3.50	16	5	clayey silt to silty cla
48.06	32.2	1.050	3.265	-3.00	16	5	clayey silt to silty cla
48.23	29.5	1.310	4.433	-3.50	16	5	clayey silt to silty cla
48.39	41.5	1.200	2.893	-1.70	16	5	clayey silt to silty cla

*Soil behavior type and SPT based on data from UBC-1983

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
48.56	29.8	0.920	3.091	-2.50	15	5	clayey silt to silty cla
48.72	23.5	0.800	3.409	-2.50	13	5	clayey silt to silty cla
48.88	27.6	1.290	4.678	-1.50	15	5	clayey silt to silty cla
49.05	44.8	1.370	3.059	-1.30	23	4	silty clay to clay
49.21	33.6	1.710	5.092	-1.40	20	5	clayey silt to silty cla
49.38	46.2	1.900	4.114	-1.10	28	4	silty clay to clay
49.54	53.0	2.180	4.114	-1.10	34	4	silty clay to clay
49.70	62.2	3.190	5.131	-1.70	35	5	clayey silt to silty cla
49.87	101.8	3.990	3.921	-2.10	108	11	very stiff fine grained (
50.03	173.1	6.520	3.767	-9.10	84	12	sand to clayey sand (*)
50.20	254.5	8.310	3.265	-12.80	114	12	sand to clayey sand (*)
50.36	288.2	9.330	3.237	-13.30	137	12	sand to clayey sand (*)
50.52	318.9	7.420	2.327	-13.50	95	7	silty sand to sandy silt
50.69	290.5	6.160	2.120	-13.70	72	8	sand to silty sand
50.85	296.9	5.390	1.815	-13.80	67	8	sand to silty sand
51.02	258.5	3.490	1.350	-13.70	57	8	sand to silty sand
51.18	159.3	2.740	1.720	-13.50	38	8	sand to silty sand
51.35	64.5	2.190	3.395	-13.40	32	6	sandy silt to clayey sil
51.51	28.0	1.340	4.784	-13.30	18	5	clayey silt to silty cla
51.67	17.9	0.590	3.294	-13.10	13	4	silty clay to clay
51.84	17.1	0.570	3.331	-13.00	8	5	clayey silt to silty cla
52.00	18.0	0.560	3.107	-12.30	8	5	clayey silt to silty cla
52.17	16.9	0.470	2.777	-12.30	8	5	clayey silt to silty cla
52.33	15.8	0.450	2.844	-12.20	8	5	clayey silt to silty cla
52.49	17.5	0.500	2.853	-12.20	8	5	clayey silt to silty cla
52.66	19.1	0.530	2.771	-12.20	9	5	clayey silt to silty cla
52.82	18.9	0.520	2.748	-12.10	9	5	clayey silt to silty cla
52.99	19.8	0.490	2.472	-12.10	9	5	clayey silt to silty cla
53.15	19.7	0.450	2.281	-12.00	9	5	clayey silt to silty cla
53.31	19.7	0.490	2.484	-12.00	10	5	clayey silt to silty cla
53.48	22.8	0.560	2.453	-11.90	9	6	sandy silt to clayey sil
53.64	29.0	0.600	2.067	-11.90	10	6	sandy silt to clayey sil
53.81	26.3	0.790	3.000	-11.80	13	5	clayey silt to silty cla
53.97	24.4	0.840	3.438	-11.80	12	5	clayey silt to silty cla
54.13	25.3	0.820	3.236	-11.30	12	5	clayey silt to silty cla
54.30	27.9	1.050	3.758	-11.10	13	5	clayey silt to silty cla
54.46	29.7	0.800	2.690	-11.00	11	6	sandy silt to clayey sil
54.63	30.4	0.540	1.774	-11.00	11	6	sandy silt to clayey sil
54.79	23.6	0.490	2.072	-10.90	10	6	sandy silt to clayey sil
54.95	21.2	0.610	2.871	-10.70	9	6	sandy silt to clayey sil
55.12	26.0	0.490	1.888	-10.20	10	6	sandy silt to clayey sil
55.28	28.8	0.470	1.635	-10.20	11	5	clayey silt to silty cla
55.45	17.3	0.840	4.868	-10.00	15	4	silty clay to clay
55.61	26.0	1.670	6.433	-9.80	20	6	sandy silt to clayey sil
55.77	109.8	2.090	1.904	-9.50	28	8	sand to silty sand
55.94	219.5	1.950	0.889	-9.90	36	9	sand
56.10	235.6	1.960	0.832	-9.50	43	9	sand
56.27	215.9	3.300	1.529	-9.40	43	9	sand
56.43	226.8	3.330	1.469	-10.30	56	8	sand to silty sand
56.59	257.6	3.250	1.262	-10.40	60	8	sand to silty sand
56.76	265.3	4.400	1.658	-10.80	63	8	sand to silty sand
56.92	261.1	5.140	1.969	-10.40	64	8	sand to silty sand
57.09	270.5	4.440	1.641	-11.50	69	8	sand to silty sand
57.25	327.9	2.740	0.836	-11.70	59	9	sand
57.41	322.4	1.810	0.561	-11.50	61	9	sand
57.58	304.7	1.830	0.601	-11.20	50	10	gravelly sand to sand
57.74	320.8	1.490	0.464	-10.90	51	10	gravelly sand to sand
57.91	326.8	1.990	0.609	-10.50	52	10	gravelly sand to sand
58.07	326.5	1.680	0.515	-10.30	59	9	sand
58.23	273.3	1.750	0.640	-10.30	52	9	sand

*Soil behavior type and SPT based on data from UBC-1983

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
58.40	219.0	2.880	1.315	-8.50	48	8	sand to silty sand
58.56	107.9	3.060	2.836	-7.40	41	7	silty sand to sandy silt
58.73	57.9	2.650	4.576	-6.20	32	5	clayey silt to silty cla
58.89	37.4	1.670	4.460	-4.00	28	4	silty clay to clay
59.06	36.8	1.910	5.195	-2.40	25	4	silty clay to clay
59.22	45.1	2.190	4.859	-1.80	30	4	silty clay to clay
59.38	58.1	2.030	3.496	-2.10	23	6	sandy silt to clayey sil
59.55	76.8	1.670	2.173	-4.50	27	6	sandy silt to clayey sil
59.71	76.1	1.740	2.286	-5.90	29	6	sandy silt to clayey sil
59.88	71.6	2.290	3.198	-6.00	28	6	sandy silt to clayey sil
60.04	70.1	2.820	4.022	-6.00	30	6	sandy silt to clayey sil
60.20	89.5	1.960	2.190	-6.50	0	0	<out of range>
60.37	130.8	-32768	-32768	-9.50	0	0	<out of range>
60.53	77.3	-32768	-32768	-11.10	0	0	<out of range>

*Soil behavior type and SPT based on data from UBC-1983