Data File:CPT370 09-16-05 13:06
Operator:B. BUCKNAM Location:HP-08
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 | 5.9 | -0.010 | -0.169 | 0.00 | 0 | 0 | <out of range> |
| 0.33 | 6.5 | -0.020 | -0.308 | 0.00 | 0 | 0 | <out of range> |
| 0.49 | 13.2 | -0.020 | -0.152 | 0.00 | 0 | 0 | <out of range> |
| 0.66 | 13.4 | -0.010 | -0.075 | 0.00 | 0 | 0 | <out of range> |
| 0.82 | 17.0 | -0.040 | -0.235 | 0.00 | 0 | 0 | <out of range> |
| 0.98 | 22.9 | -0.070 | -0.306 | -0.10 | 7 | 7 | silty sand to sandy silt |
| 1.15 | 27.7 | 0.540 | 1.949 | 0.00 | 11 | 6 | sandy silt to clayey sil |
| 1.31 | 35.3 | 0.680 | 1.926 | 0.00 | 11 | 6 | sandy silt to clayey sil |
| 1.48 | 23.5 | 0.420 | 1.787 | 0.10 | 9 | 6 | sandy silt to clayey sil |
| 1.64 | 14.3 | -0.010 | -0.070 | 0.00 | 6 | 6 | sandy silt to clayey sil |
| 1.80 | 6.9 | -0.040 | -0.580 | 0.00 | 0 | 0 | <out of range> |
| 1.97 | 6.9 | -0.080 | -1.159 | 0.00 | 0 | 0 | <out of range> |
| 2.13 | 7.6 | -0.100 | -1.316 | -0.10 | 0 | 0 | <out of range> |
| 2.30 | 13.0 | -0.040 | -0.308 | 0.00 | 5 | 6 | sandy silt to clayey sil |
| 2.46 | 17.4 | 0.170 | 0.977 | 0.00 | 6 | 6 | sandy silt to clayey sil |
| 2.62 | 19.4 | 0.330 | 1.701 | 0.10 | 10 | 6 | sandy silt to clayey sil |
| 2.79 | 41.0 | 0.770 | 1.878 | -0.10 | 16 | 7 | silty sand to sandy silt |
| 2.95 | 86.6 | 1.390 | 1.605 | -0.10 | 22 | 7 | silty sand to sandy silt |
| 3.12 | 78.1 | 1.090 | 1.396 | -0.30 | 25 | 7 | silty sand to sandy silt |
| 3.28 | 70.5 | 0.440 | 0.624 | -0.20 | 22 | 7 | silty sand to sandy silt |
| 3.44 | 59.8 | 1.590 | 2.659 | -0.30 | 20 | 7 | silty sand to sandy silt |
| 3.61 | 54.6 | 1.670 | 3.059 | -0.30 | 22 | 5 | clayey silt to silty cla |
| 3.77 | 21.3 | 1.420 | 6.668 | -0.30 | 20 | 4 | silty clay to clay |
| 3.94 | 19.0 | 0.920 | 4.843 | -0.30 | 18 | 3 | clay |
| 4.10 | 17.5 | 0.860 | 4.915 | -0.30 | 17 | 3 | clay |
| 4.27 | 17.4 | 0.830 | 4.772 | -0.40 | 17 | 3 | clay |
| 4.43 | 17.7 | 0.870 | 4.917 | -0.50 | 17 | 3 | clay |
| 4.59 | 17.1 | 0.920 | 5.382 | -0.40 | 16 | 3 | clay |
| 4.76 | 16.2 | 0.870 | 5.375 | -0.90 | 16 | 3 | clay |
| 4.92 | 15.6 | 0.760 | 4.878 | -1.30 | 15 | 3 | clay |
| 5.09 | 15.1 | 0.720 | 4.773 | -1.00 | 15 | 3 | clay |
| 5.25 | 14.9 | 0.740 | 4.969 | -0.50 | 14 | 3 | clay |
| 5.41 | 14.8 | 0.770 | 5.206 | -0.60 | 14 | 3 | clay |
| 5.58 | 14.4 | 0.740 | 5.142 | -0.60 | 14 | 3 | clay |
| 5.74 | 13.7 | 0.680 | 4.967 | -0.60 | 13 | 3 | clay |
| 5.91 | 12.9 | 0.590 | 4.577 | -0.60 | 12 | 3 | clay |
| 6.07 | 12.2 | 0.540 | 4.429 | -0.50 | 12 | 3 | clay |
| 6.23 | 11.9 | 0.530 | 4.458 | -0.80 | 11 | 3 | clay |
| 6.40 | 11.5 | 0.500 | 4.351 | -0.50 | 11 | 3 | clay |
| 6.56 | 11.0 | 0.480 | 4.366 | -0.50 | 10 | 3 | clay |
| 6.73 | 9.9 | 0.470 | 4.752 | -0.60 | 10 | 3 | clay |
| 6.89 | 9.6 | 0.450 | 4.690 | -0.30 | 9 | 3 | clay |
| 7.05 | 8.9 | 0.410 | 4.610 | -0.40 | 9 | 3 | clay |
| 7.22 | 9.7 | 0.390 | 4.021 | -0.10 | 9 | 3 | clay |
| 7.38 | 10.4 | 0.470 | 4.521 | -0.30 | 10 | 3 | clay |
| 7.55 | 10.2 | 0.520 | 5.106 | -1.10 | 10 | 3 | clay |
| 7.71 | 9.3 | 0.510 | 5.494 | -1.20 | 9 | 3 | clay |
| 7.87 | 9.0 | 0.480 | 5.341 | -0.90 | 8 | 3 | clay |
| 8.04 | 8.1 | 0.430 | 5.319 | -1.10 | 8 | 3 | clay |
| 8.20 | 7.5 | 0.390 | 5.210 | -1.00 | 7 | 3 | clay |
| 8.37 | 7.7 | 0.370 | 4.813 | -0.90 | 7 | 3 | clay |
| 8.53 | 7.6 | 0.370 | 4.875 | -0.70 | 7 | 3 | clay |
| 8.69 | 7.1 | 0.370 | 5.220 | -0.80 | 7 | 3 | clay |
| 8.86 | 7.1 | 0.360 | 5.078 | -0.70 | 7 | 3 | clay |
| 9.02 | 7.3 | 0.360 | 4.939 | -0.80 | 7 | 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 | 7.2 | 0.360 | 5.009 | -0.90 | 7 | 3 | clay |
| 9.35 | 8.2 | 0.360 | 4.395 | -0.60 | 8 | 3 | clay |
| 9.51 | 8.9 | 0.400 | 4.500 | -0.80 | 8 | 3 | clay |
| 9.68 | 9.2 | 0.430 | 4.681 | -1.00 | 9 | 3 | clay |
| 9.84 | 9.3 | 0.440 | 4.739 | -1.00 | 9 | 3 | clay |
| 10.01 | 9.3 | 0.440 | 4.741 | -1.30 | 9 | 3 | clay |
| 10.17 | 9.0 | 0.410 | 4.566 | -1.40 | 9 | 3 | clay |
| 10.33 | 9.0 | 0.380 | 4.232 | -1.50 | 9 | 3 | clay |
| 10.50 | 9.4 | 0.390 | 4.159 | -1.60 | 9 | 3 | clay |
| 10.66 | 9.0 | 0.410 | 4.569 | -1.80 | 8 | 3 | clay |
| 10.83 | 7.7 | 0.390 | 5.084 | -2.00 | 7 | 3 | clay |
| 10.99 | 6.8 | 0.340 | 5.021 | -2.00 | 7 | 3 | clay |
| 11.15 | 7.0 | 0.280 | 4.017 | -2.00 | 7 | 3 | clay |
| 11.32 | 8.0 | 0.280 | 3.512 | -1.90 | 8 | 3 | clay |
| 11.48 | 9.2 | 0.250 | 2.725 | -1.70 | 6 | 4 | silty clay to clay |
| 11.65 | 12.0 | 0.240 | 2.004 | -1.50 | 6 | 5 | clayey silt to silty cla |
| 11.81 | 13.6 | 0.270 | 1.988 | -1.30 | 6 | 5 | clayey silt to silty cla |
| 11.98 | 14.6 | 0.320 | 2.194 | -0.80 | 7 | 5 | clayey silt to silty cla |
| 12.14 | 14.7 | 0.330 | 2.246 | -0.70 | 7 | 5 | clayey silt to silty cla |
| 12.30 | 14.0 | 0.330 | 2.359 | -0.60 | 7 | 5 | clayey silt to silty cla |
| 12.47 | 13.0 | 0.330 | 2.540 | -0.50 | 6 | 5 | clayey silt to silty cla |
| 12.63 | 11.6 | 0.310 | 2.674 | -0.50 | 7 | 4 | silty clay to clay |
| 12.80 | 10.5 | 0.280 | 2.668 | -0.50 | 7 | 4 | silty clay to clay |
| 12.96 | 9.9 | 0.280 | 2.830 | -0.50 | 7 | 4 | silty clay to clay |
| 13.12 | 10.2 | 0.290 | 2.845 | -0.40 | 6 | 4 | silty clay to clay |
| 13.29 | 10.4 | 0.300 | 2.886 | -0.30 | 6 | 4 | silty clay to clay |
| 13.45 | 9.7 | 0.280 | 2.888 | -0.30 | 6 | 4 | silty clay to clay |
| 13.62 | 9.6 | 0.270 | 2.813 | -0.20 | 6 | 4 | silty clay to clay |
| 13.78 | 10.3 | 0.300 | 2.913 | 0.00 | 7 | 4 | silty clay to clay |
| 13.94 | 11.6 | 0.340 | 2.931 | 0.10 | 7 | 4 | silty clay to clay |
| 14.11 | 12.6 | 0.360 | 2.856 | 0.20 | 8 | 4 | silty clay to clay |
| 14.27 | 12.4 | 0.360 | 2.903 | 0.20 | 8 | 4 | silty clay to clay |
| 14.44 | 13.4 | 0.360 | 2.686 | 0.20 | 6 | 5 | clayey silt to silty cla |
| 14.60 | 14.7 | 0.380 | 2.584 | 0.40 | 7 | 5 | clayey silt to silty cla |
| 14.76 | 15.1 | 0.390 | 2.582 | 0.30 | 7 | 5 | clayey silt to silty cla |
| 14.93 | 16.3 | 0.400 | 2.453 | 0.50 | 8 | 5 | clayey silt to silty cla |
| 15.09 | 17.8 | 0.490 | 2.751 | 0.60 | 8 | 5 | clayey silt to silty cla |
| 15.26 | 16.1 | 0.500 | 3.103 | 0.90 | 8 | 5 | clayey silt to silty cla |
| 15.42 | 13.5 | 0.430 | 3.182 | 0.90 | 9 | 4 | silty clay to clay |
| 15.58 | 12.2 | 0.360 | 2.947 | 1.00 | 8 | 4 | silty clay to clay |
| 15.75 | 11.6 | 0.310 | 2.669 | 1.00 | 7 | 4 | silty clay to clay |
| 15.91 | 11.0 | 0.310 | 2.814 | 1.10 | 7 | 4 | silty clay to clay |
| 16.08 | 10.9 | 0.300 | 2.748 | 1.20 | 7 | 4 | silty clay to clay |
| 16.24 | 10.7 | 0.300 | 2.799 | 1.30 | 7 | 4 | silty clay to clay |
| 16.40 | 10.5 | 0.310 | 2.947 | 1.30 | 7 | 4 | silty clay to clay |
| 16.57 | 10.5 | 0.330 | 3.137 | 1.40 | 7 | 4 | silty clay to clay |
| 16.73 | 10.6 | 0.330 | 3.107 | 1.40 | 7 | 4 | silty clay to clay |
| 16.90 | 10.1 | 0.310 | 3.063 | 1.50 | 7 | 4 | silty clay to clay |
| 17.06 | 9.9 | 0.270 | 2.721 | 1.60 | 6 | 4 | silty clay to clay |
| 17.22 | 9.9 | 0.290 | 2.922 | 1.70 | 7 | 4 | silty clay to clay |
| 17.39 | 11.6 | 0.300 | 2.580 | 1.80 | 6 | 5 | clayey silt to silty cla |
| 17.55 | 13.2 | 0.280 | 2.117 | 2.00 | 6 | 5 | clayey silt to silty cla |
| 17.72 | 11.5 | 0.270 | 2.342 | 2.00 | 6 | 5 | clayey silt to silty cla |
| 17.88 | 10.4 | 0.230 | 2.205 | 2.20 | 5 | 5 | clayey silt to silty cla |
| 18.04 | 11.4 | 0.280 | 2.449 | 2.40 | 6 | 5 | clayey silt to silty cla |
| 18.21 | 14.4 | 0.320 | 2.216 | 2.60 | 7 | 5 | clayey silt to silty cla |
| 18.37 | 15.6 | 0.330 | 2.110 | 2.80 | 7 | 5 | clayey silt to silty cla |
| 18.54 | 16.0 | 0.380 | 2.369 | 2.90 | 8 | 5 | clayey silt to silty cla |
| 18.70 | 17.9 | 0.410 | 2.297 | 3.50 | 8 | 5 | clayey silt to silty cla |
| 18.86 | 18.1 | 0.390 | 2.160 | 3.70 | 9 | 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 |
|---|---|---|---|---|---|---|---|
| 19.03 | 18.9 | 0.400 | 2.121 | 3.80 | 9 | 5 | clayey silt to silty cla |
| 19.19 | 19.8 | 0.410 | 2.075 | 4.10 | 9 | 5 | clayey silt to silty cla |
| 19.36 | 20.7 | 0.560 | 2.710 | 4.30 | 11 | 5 | clayey silt to silty cla |
| 19.52 | 25.7 | 0.540 | 2.104 | 4.50 | 11 | 5 | clayey silt to silty cla |
| 19.69 | 25.3 | 0.670 | 2.652 | 4.70 | 10 | 6 | sandy silt to clayey sil |
| 19.85 | 26.5 | 0.610 | 2.304 | 5.00 | 10 | 6 | sandy silt to clayey sil |
| 20.01 | 25.9 | 0.590 | 2.280 | 5.20 | 10 | 6 | sandy silt to clayey sil |
| 20.18 | 25.2 | 0.530 | 2.105 | 5.50 | 10 | 6 | sandy silt to clayey sil |
| 20.34 | 29.9 | 0.630 | 2.108 | 5.80 | 11 | 6 | sandy silt to clayey sil |
| 20.51 | 32.4 | 0.720 | 2.223 | 6.10 | 12 | 6 | sandy silt to clayey sil |
| 20.67 | 33.6 | 0.890 | 2.649 | 6.60 | 16 | 5 | clayey silt to silty cla |
| 20.83 | 36.6 | 1.580 | 4.317 | 6.90 | 20 | 5 | clayey silt to silty cla |
| 21.00 | 53.2 | 2.190 | 4.117 | 6.80 | 29 | 5 | clayey silt to silty cla |
| 21.16 | 89.9 | 2.480 | 2.759 | 5.10 | 33 | 6 | sandy silt to clayey sil |
| 21.33 | 116.3 | 2.240 | 1.926 | -4.90 | 35 | 7 | silty sand to sandy silt |
| 21.49 | 119.6 | 1.920 | 1.605 | -5.70 | 37 | 7 | silty sand to sandy silt |
| 21.65 | 113.4 | 2.010 | 1.773 | -7.20 | 37 | 7 | silty sand to sandy silt |
| 21.82 | 111.6 | 1.880 | 1.685 | -8.20 | 27 | 8 | sand to silty sand |
| 21.98 | 108.8 | 1.280 | 1.176 | -6.70 | 25 | 8 | sand to silty sand |
| 22.15 | 88.9 | 1.240 | 1.394 | -4.30 | 28 | 7 | silty sand to sandy silt |
| 22.31 | 61.5 | 1.560 | 2.538 | -2.50 | 23 | 6 | sandy silt to clayey sil |
| 22.47 | 33.4 | 1.300 | 3.888 | -4.40 | 18 | 5 | clayey silt to silty cla |
| 22.64 | 18.3 | 0.820 | 4.470 | -3.80 | 14 | 4 | silty clay to clay |
| 22.80 | 12.5 | 0.440 | 3.507 | -3.70 | 9 | 4 | silty clay to clay |
| 22.97 | 10.5 | 0.320 | 3.033 | -3.50 | 7 | 4 | silty clay to clay |
| 23.13 | 10.9 | 0.360 | 3.317 | -3.30 | 7 | 4 | silty clay to clay |
| 23.29 | 10.5 | 0.370 | 3.540 | -3.30 | 10 | 3 | clay |
| 23.46 | 9.7 | 0.400 | 4.144 | -3.30 | 10 | 3 | clay |
| 23.62 | 11.8 | 0.400 | 3.403 | -3.20 | 7 | 4 | silty clay to clay |
| 23.79 | 13.6 | 0.420 | 3.099 | -3.20 | 9 | 4 | silty clay to clay |
| 23.95 | 17.0 | 0.570 | 3.361 | -3.00 | 10 | 5 | clayey silt to silty cla |
| 24.11 | 34.8 | 1.050 | 3.021 | -2.90 | 15 | 6 | sandy silt to clayey sil |
| 24.28 | 64.7 | 1.260 | 1.948 | -0.90 | 20 | 6 | sandy silt to clayey sil |
| 24.44 | 55.6 | 1.260 | 2.265 | 8.50 | 20 | 6 | sandy silt to clayey sil |
| 24.61 | 35.3 | 1.140 | 3.227 | 8.60 | 16 | 6 | sandy silt to clayey sil |
| 24.77 | 34.0 | 1.170 | 3.437 | 10.00 | 17 | 5 | clayey silt to silty cla |
| 24.93 | 40.2 | 1.060 | 2.640 | 3.50 | 15 | 5 | clayey silt to silty cla |
| 25.10 | 21.5 | 0.820 | 3.820 | -2.20 | 12 | 5 | clayey silt to silty cla |
| 25.26 | 13.4 | 0.580 | 4.334 | -1.30 | 10 | 4 | silty clay to clay |
| 25.43 | 10.6 | 0.340 | 3.212 | -1.00 | 8 | 4 | silty clay to clay |
| 25.59 | 13.2 | 0.350 | 2.654 | -0.90 | 8 | 4 | silty clay to clay |
| 25.75 | 14.9 | 0.380 | 2.552 | -0.70 | 7 | 5 | clayey silt to silty cla |
| 25.92 | 16.4 | 0.450 | 2.746 | -0.70 | 8 | 5 | clayey silt to silty cla |
| 26.08 | 17.0 | 0.490 | 2.884 | -0.60 | 8 | 5 | clayey silt to silty cla |
| 26.25 | 16.4 | 0.440 | 2.684 | -0.60 | 8 | 5 | clayey silt to silty cla |
| 26.41 | 16.2 | 0.400 | 2.470 | -0.50 | 8 | 5 | clayey silt to silty cla |
| 26.57 | 19.7 | 0.380 | 1.929 | -0.40 | 9 | 5 | clayey silt to silty cla |
| 26.74 | 18.7 | 0.350 | 1.872 | -0.50 | 8 | 5 | clayey silt to silty cla |
| 26.90 | 13.6 | 0.290 | 2.133 | -0.50 | 7 | 5 | clayey silt to silty cla |
| 27.07 | 12.0 | 0.210 | 1.751 | -0.30 | 6 | 5 | clayey silt to silty cla |
| 27.23 | 13.7 | 0.250 | 1.825 | -0.20 | 6 | 6 | sandy silt to clayey sil |
| 27.40 | 20.7 | 0.260 | 1.256 | -0.10 | 6 | 6 | sandy silt to clayey sil |
| 27.56 | 13.1 | 0.220 | 1.681 | -0.90 | 6 | 6 | sandy silt to clayey sil |
| 27.72 | 15.6 | 0.190 | 1.219 | -0.80 | 5 | 6 | sandy silt to clayey sil |
| 27.89 | 13.6 | 0.170 | 1.251 | -0.70 | 6 | 6 | sandy silt to clayey sil |
| 28.05 | 16.0 | 0.210 | 1.313 | -0.70 | 6 | 6 | sandy silt to clayey sil |
| 28.22 | 18.5 | 0.280 | 1.514 | -0.30 | 7 | 6 | sandy silt to clayey sil |
| 28.38 | 23.3 | 0.350 | 1.502 | -0.30 | 8 | 6 | sandy silt to clayey sil |
| 28.54 | 18.8 | 0.330 | 1.755 | -0.10 | 8 | 6 | sandy silt to clayey sil |
| 28.71 | 17.8 | 0.310 | 1.742 | -0.10 | 7 | 6 | sandy silt to clayey sil |

*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 | 14.9 | 0.230 | 1.543 | 0.20 | 8 | 5 | clayey silt to silty cla |
| 29.04 | 14.4 | 0.220 | 1.527 | 0.20 | 7 | 5 | clayey silt to silty cla |
| 29.20 | 13.5 | 0.210 | 1.555 | 0.40 | 7 | 5 | clayey silt to silty cla |
| 29.36 | 13.9 | 0.400 | 2.876 | 0.60 | 7 | 6 | sandy silt to clayey sil |
| 29.53 | 29.7 | 0.430 | 1.447 | 0.70 | 15 | 7 | silty sand to sandy silt |
| 29.69 | 98.9 | 0.340 | 0.344 | 2.10 | 21 | 8 | sand to silty sand |
| 29.86 | 137.6 | 0.630 | 0.458 | 2.30 | 27 | 9 | sand |
| 30.02 | 188.5 | 0.890 | 0.472 | -1.00 | 37 | 9 | sand |
| 30.18 | 260.0 | 0.730 | 0.281 | -1.50 | 43 | 10 | gravelly sand to sand |
| 30.35 | 360.4 | 1.090 | 0.302 | -5.20 | 55 | 10 | gravelly sand to sand |
| 30.51 | 410.1 | 1.910 | 0.466 | -7.00 | 64 | 10 | gravelly sand to sand |
| 30.68 | 433.7 | 2.700 | 0.623 | -7.60 | 68 | 10 | gravelly sand to sand |
| 30.84 | 435.9 | 2.670 | 0.613 | -7.60 | 68 | 10 | gravelly sand to sand |
| 31.00 | 413.1 | 2.330 | 0.564 | -8.20 | 65 | 10 | gravelly sand to sand |
| 31.17 | 371.2 | 1.610 | 0.434 | -9.20 | 62 | 10 | gravelly sand to sand |
| 31.33 | 390.1 | 1.630 | 0.418 | -9.20 | 61 | 10 | gravelly sand to sand |
| 31.50 | 379.0 | 1.890 | 0.499 | -8.90 | 59 | 10 | gravelly sand to sand |
| 31.66 | 344.7 | 1.850 | 0.537 | -8.80 | 55 | 10 | gravelly sand to sand |
| 31.82 | 309.6 | 2.300 | 0.743 | -9.10 | 60 | 9 | sand |
| 31.99 | 278.5 | 2.090 | 0.751 | -9.20 | 56 | 9 | sand |
| 32.15 | 284.1 | 1.630 | 0.574 | -9.20 | 53 | 9 | sand |
| 32.32 | 275.6 | 1.400 | 0.508 | -9.20 | 52 | 9 | sand |
| 32.48 | 259.4 | 1.150 | 0.443 | -9.20 | 50 | 9 | sand |
| 32.64 | 243.6 | 0.870 | 0.357 | -9.30 | 40 | 10 | gravelly sand to sand |
| 32.81 | 246.4 | 0.630 | 0.256 | -9.40 | 40 | 10 | gravelly sand to sand |
| 32.97 | 267.6 | 0.690 | 0.258 | -9.50 | 41 | 10 | gravelly sand to sand |
| 33.14 | 256.3 | 1.040 | 0.406 | -9.70 | 44 | 9 | sand |
| 33.30 | 167.4 | 1.850 | 1.105 | -9.80 | 32 | 9 | sand |
| 33.46 | 80.1 | 2.130 | 2.661 | -9.80 | 31 | 7 | silty sand to sandy silt |
| 33.63 | 48.3 | 1.650 | 3.419 | -9.80 | 21 | 6 | sandy silt to clayey sil |
| 33.79 | 35.4 | 1.200 | 3.394 | -9.70 | 18 | 6 | sandy silt to clayey sil |
| 33.96 | 54.8 | 0.850 | 1.552 | -9.80 | 16 | 7 | silty sand to sandy silt |
| 34.12 | 63.1 | 0.740 | 1.174 | -9.90 | 17 | 7 | silty sand to sandy silt |
| 34.28 | 44.0 | 0.900 | 2.048 | -10.00 | 17 | 6 | sandy silt to clayey sil |
| 34.45 | 26.0 | 0.970 | 3.737 | -9.80 | 15 | 5 | clayey silt to silty cla |
| 34.61 | 26.3 | 1.050 | 3.999 | -9.80 | 15 | 6 | sandy silt to clayey sil |
| 34.78 | 63.0 | 0.220 | 0.349 | -9.90 | 18 | 7 | silty sand to sandy silt |
| 34.94 | 81.8 | 1.180 | 1.443 | -9.90 | 17 | 7 | silty sand to sandy silt |
| 35.10 | 15.4 | 1.630 | 10.607 | 11.60 | 19 | 6 | sandy silt to clayey sil |
| 35.27 | 53.7 | 1.840 | 3.430 | 10.50 | 22 | 5 | clayey silt to silty cla |
| 35.43 | 71.6 | 1.900 | 2.655 | 10.50 | 28 | 6 | sandy silt to clayey sil |
| 35.60 | 93.1 | 1.660 | 1.783 | 1.00 | 26 | 7 | silty sand to sandy silt |
| 35.76 | 82.1 | 1.980 | 2.412 | -1.30 | 30 | 6 | sandy silt to clayey sil |
| 35.93 | 63.0 | 2.090 | 3.319 | -1.70 | 33 | 7 | silty sand to sandy silt |
| 36.09 | 168.6 | 2.430 | 1.442 | -2.20 | 39 | 8 | sand to silty sand |
| 36.25 | 259.1 | 3.030 | 1.170 | -2.80 | 46 | 9 | sand |
| 36.42 | 290.2 | 3.040 | 1.048 | -3.40 | 54 | 9 | sand |
| 36.58 | 302.2 | 1.840 | 0.609 | 0.90 | 54 | 9 | sand |
| 36.75 | 247.3 | 1.250 | 0.505 | 8.90 | 45 | 9 | sand |
| 36.91 | 150.3 | 2.070 | 1.377 | 10.30 | 37 | 8 | sand to silty sand |
| 37.07 | 62.9 | 1.950 | 3.099 | 9.10 | 26 | 7 | silty sand to sandy silt |
| 37.24 | 33.1 | 1.470 | 4.437 | 15.90 | 19 | 5 | clayey silt to silty cla |
| 37.40 | 23.2 | 1.040 | 4.475 | 16.80 | 17 | 4 | silty clay to clay |
| 37.57 | 23.6 | 0.860 | 3.637 | 17.20 | 13 | 6 | sandy silt to clayey sil |
| 37.73 | 54.8 | 0.790 | 1.443 | 17.50 | 17 | 6 | sandy silt to clayey sil |
| 37.89 | 56.0 | 0.980 | 1.751 | 12.40 | 19 | 6 | sandy silt to clayey sil |
| 38.06 | 40.3 | 1.280 | 3.179 | 11.30 | 16 | 6 | sandy silt to clayey sil |
| 38.22 | 30.2 | 1.010 | 3.342 | 8.30 | 14 | 5 | clayey silt to silty cla |
| 38.39 | 19.7 | 0.580 | 2.941 | 8.60 | 11 | 5 | clayey silt to silty cla |
| 38.55 | 16.2 | 0.360 | 2.218 | 9.00 | 8 | 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 |
|---|---|---|---|---|---|---|---|
| 38.71 | 16.6 | 0.290 | 1.743 | 9.40 | 8 | 5 | clayey silt to silty cla |
| 38.88 | 15.0 | 0.280 | 1.862 | 9.70 | 7 | 5 | clayey silt to silty cla |
| 39.04 | 14.0 | 0.270 | 1.922 | 10.10 | 7 | 5 | clayey silt to silty cla |
| 39.21 | 13.1 | 0.270 | 2.053 | 10.40 | 6 | 5 | clayey silt to silty cla |
| 39.37 | 13.0 | 0.280 | 2.162 | 10.60 | 6 | 5 | clayey silt to silty cla |
| 39.53 | 14.0 | 0.310 | 2.221 | 10.90 | 7 | 5 | clayey silt to silty cla |
| 39.70 | 15.2 | 0.360 | 2.375 | 11.10 | 7 | 5 | clayey silt to silty cla |
| 39.86 | 16.2 | 0.370 | 2.289 | 11.40 | 8 | 5 | clayey silt to silty cla |
| 40.03 | 16.3 | 0.350 | 2.152 | 11.40 | 8 | 5 | clayey silt to silty cla |
| 40.19 | 16.5 | 0.310 | 1.882 | 11.70 | 8 | 5 | clayey silt to silty cla |
| 40.35 | 17.3 | 0.330 | 1.911 | 12.00 | 8 | 5 | clayey silt to silty cla |
| 40.52 | 17.7 | 0.300 | 1.697 | 12.30 | 8 | 5 | clayey silt to silty cla |
| 40.68 | 16.6 | 0.290 | 1.749 | 12.70 | 8 | 5 | clayey silt to silty cla |
| 40.85 | 16.0 | 0.290 | 1.814 | 13.20 | 7 | 5 | clayey silt to silty cla |
| 41.01 | 14.4 | 0.320 | 2.223 | 13.60 | 7 | 5 | clayey silt to silty cla |
| 41.17 | 14.8 | 0.340 | 2.297 | 14.00 | 7 | 5 | clayey silt to silty cla |
| 41.34 | 15.4 | 0.370 | 2.402 | 14.20 | 8 | 5 | clayey silt to silty cla |
| 41.50 | 16.8 | 0.400 | 2.375 | 16.70 | 8 | 5 | clayey silt to silty cla |
| 41.67 | 16.7 | 0.390 | 2.329 | 17.00 | 8 | 5 | clayey silt to silty cla |
| 41.83 | 16.2 | 0.370 | 2.277 | 17.20 | 8 | 5 | clayey silt to silty cla |
| 41.99 | 15.0 | 0.310 | 2.073 | 17.50 | 7 | 5 | clayey silt to silty cla |
| 42.16 | 14.0 | 0.280 | 2.006 | 17.80 | 7 | 5 | clayey silt to silty cla |
| 42.32 | 13.4 | 0.270 | 2.021 | 18.00 | 6 | 5 | clayey silt to silty cla |
| 42.49 | 13.0 | 0.270 | 2.083 | 18.30 | 6 | 5 | clayey silt to silty cla |
| 42.65 | 13.1 | 0.280 | 2.142 | 18.70 | 6 | 5 | clayey silt to silty cla |
| 42.81 | 13.5 | 0.280 | 2.078 | 19.00 | 6 | 5 | clayey silt to silty cla |
| 42.98 | 13.0 | 0.270 | 2.081 | 19.20 | 6 | 5 | clayey silt to silty cla |
| 43.14 | 12.4 | 0.270 | 2.181 | 19.60 | 6 | 5 | clayey silt to silty cla |
| 43.31 | 12.6 | 0.310 | 2.463 | 19.90 | 6 | 5 | clayey silt to silty cla |
| 43.47 | 13.7 | 0.340 | 2.483 | 20.20 | 7 | 5 | clayey silt to silty cla |
| 43.64 | 14.7 | 0.400 | 2.722 | 20.40 | 7 | 5 | clayey silt to silty cla |
| 43.80 | 16.4 | 0.450 | 2.745 | 20.50 | 8 | 5 | clayey silt to silty cla |
| 43.96 | 18.3 | 0.550 | 3.006 | 20.70 | 9 | 5 | clayey silt to silty cla |
| 44.13 | 18.7 | 0.610 | 3.262 | 20.80 | 9 | 5 | clayey silt to silty cla |
| 44.29 | 18.7 | 0.600 | 3.209 | 20.80 | 9 | 5 | clayey silt to silty cla |
| 44.46 | 19.4 | 0.620 | 3.193 | 22.00 | 9 | 5 | clayey silt to silty cla |
| 44.62 | 19.6 | 0.650 | 3.313 | 22.30 | 9 | 5 | clayey silt to silty cla |
| 44.78 | 19.7 | 0.700 | 3.549 | 22.40 | 10 | 5 | clayey silt to silty cla |
| 44.95 | 20.8 | 0.740 | 3.553 | 22.70 | 13 | 4 | silty clay to clay |
| 45.11 | 21.4 | 0.750 | 3.500 | 22.70 | 10 | 5 | clayey silt to silty cla |
| 45.28 | 22.5 | 0.690 | 3.063 | 22.70 | 10 | 5 | clayey silt to silty cla |
| 45.44 | 20.5 | 0.620 | 3.020 | 22.80 | 10 | 5 | clayey silt to silty cla |
| 45.60 | 19.1 | 0.590 | 3.084 | 22.90 | 9 | 5 | clayey silt to silty cla |
| 45.77 | 18.6 | 0.610 | 3.274 | 23.10 | 9 | 5 | clayey silt to silty cla |
| 45.93 | 17.9 | 0.570 | 3.178 | 23.40 | 9 | 5 | clayey silt to silty cla |
| 46.10 | 16.8 | 0.520 | 3.088 | 23.50 | 8 | 5 | clayey silt to silty cla |
| 46.26 | 16.2 | 0.500 | 3.078 | 23.90 | 8 | 5 | clayey silt to silty cla |
| 46.42 | 17.0 | 0.520 | 3.050 | 24.30 | 8 | 5 | clayey silt to silty cla |
| 46.59 | 18.9 | 0.600 | 3.182 | 24.70 | 9 | 5 | clayey silt to silty cla |
| 46.75 | 20.8 | 0.690 | 3.323 | 25.20 | 10 | 5 | clayey silt to silty cla |
| 46.92 | 23.1 | 0.740 | 3.208 | 25.40 | 11 | 5 | clayey silt to silty cla |
| 47.08 | 26.7 | 0.670 | 2.512 | 25.50 | 11 | 5 | clayey silt to silty cla |
| 47.24 | 20.3 | 0.650 | 3.206 | 25.80 | 11 | 5 | clayey silt to silty cla |
| 47.41 | 20.2 | 0.970 | 4.807 | 26.30 | 17 | 4 | silty clay to clay |
| 47.57 | 40.8 | 1.740 | 4.266 | 26.70 | 17 | 5 | clayey silt to silty cla |
| 47.74 | 44.9 | 1.260 | 2.809 | 3.60 | 18 | 5 | clayey silt to silty cla |
| 47.90 | 24.8 | 1.070 | 4.311 | 1.60 | 15 | 5 | clayey silt to silty cla |
| 48.06 | 22.9 | 0.670 | 2.930 | 4.70 | 11 | 5 | clayey silt to silty cla |
| 48.23 | 19.4 | 0.560 | 2.891 | 4.80 | 9 | 5 | clayey silt to silty cla |
| 48.39 | 15.2 | 0.380 | 2.505 | 5.00 | 8 | 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 | 13.4 | 0.310 | 2.318 | 5.20 | 7 | 5 | clayey silt to silty cla |
| 48.72 | 12.9 | 0.270 | 2.097 | 5.40 | 6 | 5 | clayey silt to silty cla |
| 48.88 | 12.7 | 0.250 | 1.972 | 5.60 | 6 | 5 | clayey silt to silty cla |
| 49.05 | 12.5 | 0.220 | 1.763 | 5.70 | 6 | 5 | clayey silt to silty cla |
| 49.21 | 11.8 | 0.220 | 1.867 | 6.00 | 6 | 5 | clayey silt to silty cla |
| 49.38 | 13.4 | 0.230 | 1.718 | 6.20 | 6 | 5 | clayey silt to silty cla |
| 49.54 | 13.7 | 0.250 | 1.826 | 6.50 | 6 | 5 | clayey silt to silty cla |
| 49.70 | 13.6 | 0.230 | 1.691 | 6.80 | 7 | 5 | clayey silt to silty cla |
| 49.87 | 13.8 | 0.260 | 1.884 | 7.10 | 7 | 5 | clayey silt to silty cla |
| 50.03 | 14.7 | 0.270 | 1.836 | 7.40 | 7 | 5 | clayey silt to silty cla |
| 50.20 | 15.2 | 0.260 | 1.709 | 7.60 | 7 | 5 | clayey silt to silty cla |
| 50.36 | 14.7 | 0.270 | 1.835 | 7.90 | 7 | 5 | clayey silt to silty cla |
| 50.52 | 14.4 | 0.250 | 1.734 | 8.30 | 7 | 5 | clayey silt to silty cla |
| 50.69 | 13.9 | 0.230 | 1.652 | 8.60 | 7 | 5 | clayey silt to silty cla |
| 50.85 | 14.3 | 0.240 | 1.675 | 8.90 | 7 | 5 | clayey silt to silty cla |
| 51.02 | 14.7 | 0.470 | 3.190 | 9.20 | 10 | 7 | silty sand to sandy silt |
| 51.18 | 67.0 | 0.490 | 0.731 | 9.50 | 18 | 7 | silty sand to sandy silt |
| 51.35 | 89.6 | 0.960 | 1.071 | 1.80 | 24 | 7 | silty sand to sandy silt |
| 51.51 | 70.4 | 1.230 | 1.746 | 2.00 | 22 | 7 | silty sand to sandy silt |
| 51.67 | 48.4 | 0.680 | 1.405 | -0.70 | 16 | 7 | silty sand to sandy silt |
| 51.84 | 29.8 | 0.550 | 1.846 | -0.90 | 12 | 6 | sandy silt to clayey sil |
| 52.00 | 16.5 | 0.460 | 2.790 | -0.70 | 10 | 5 | clayey silt to silty cla |
| 52.17 | 14.1 | 0.320 | 2.271 | -0.50 | 7 | 5 | clayey silt to silty cla |
| 52.33 | 14.6 | 0.330 | 2.261 | -0.30 | 7 | 5 | clayey silt to silty cla |
| 52.49 | 15.0 | 0.300 | 2.000 | 0.00 | 7 | 5 | clayey silt to silty cla |
| 52.66 | 14.1 | 0.260 | 1.844 | 0.20 | 7 | 5 | clayey silt to silty cla |
| 52.82 | 14.4 | 0.270 | 1.874 | 0.40 | 7 | 5 | clayey silt to silty cla |
| 52.99 | 15.0 | 0.330 | 2.199 | 0.60 | 7 | 5 | clayey silt to silty cla |
| 53.15 | 16.5 | 0.340 | 2.059 | 0.80 | 8 | 5 | clayey silt to silty cla |
| 53.31 | 17.2 | 0.370 | 2.148 | 1.70 | 8 | 5 | clayey silt to silty cla |
| 53.48 | 18.1 | 0.430 | 2.372 | 2.00 | 9 | 5 | clayey silt to silty cla |
| 53.64 | 21.1 | 0.490 | 2.319 | 2.20 | 8 | 6 | sandy silt to clayey sil |
| 53.81 | 25.2 | 0.470 | 1.863 | 2.40 | 9 | 6 | sandy silt to clayey sil |
| 53.97 | 23.7 | 0.580 | 2.443 | 2.60 | 9 | 6 | sandy silt to clayey sil |
| 54.13 | 22.5 | 0.580 | 2.573 | 2.80 | 9 | 6 | sandy silt to clayey sil |
| 54.30 | 26.7 | 0.450 | 1.685 | 7.70 | 9 | 6 | sandy silt to clayey sil |
| 54.46 | 20.7 | 0.340 | 1.641 | 8.20 | 8 | 6 | sandy silt to clayey sil |
| 54.63 | 17.7 | 0.300 | 1.693 | 8.60 | 7 | 6 | sandy silt to clayey sil |
| 54.79 | 16.2 | 0.250 | 1.540 | 9.10 | 6 | 6 | sandy silt to clayey sil |
| 54.95 | 14.8 | 0.220 | 1.483 | 9.60 | 7 | 5 | clayey silt to silty cla |
| 55.12 | 13.6 | 0.220 | 1.612 | 10.20 | 7 | 5 | clayey silt to silty cla |
| 55.28 | 13.8 | 0.220 | 1.599 | 10.90 | 7 | 5 | clayey silt to silty cla |
| 55.45 | 14.2 | 0.240 | 1.694 | 11.50 | 7 | 5 | clayey silt to silty cla |
| 55.61 | 14.6 | 0.240 | 1.647 | 12.10 | 7 | 5 | clayey silt to silty cla |
| 55.77 | 14.4 | 0.230 | 1.599 | 12.60 | 7 | 5 | clayey silt to silty cla |
| 55.94 | 15.1 | 0.250 | 1.657 | 13.20 | 7 | 5 | clayey silt to silty cla |
| 56.10 | 16.6 | 0.270 | 1.627 | 13.80 | 6 | 6 | sandy silt to clayey sil |
| 56.27 | 18.0 | 0.310 | 1.722 | 14.30 | 7 | 6 | sandy silt to clayey sil |
| 56.43 | 19.2 | 0.320 | 1.666 | 14.60 | 7 | 6 | sandy silt to clayey sil |
| 56.59 | 20.3 | 0.390 | 1.920 | 15.10 | 8 | 6 | sandy silt to clayey sil |
| 56.76 | 20.5 | 0.390 | 1.900 | 15.40 | 8 | 6 | sandy silt to clayey sil |
| 56.92 | 18.8 | 0.350 | 1.859 | 15.70 | 9 | 5 | clayey silt to silty cla |
| 57.09 | 19.5 | 0.510 | 2.611 | 16.30 | 10 | 6 | sandy silt to clayey sil |
| 57.25 | 36.4 | 0.840 | 2.305 | 17.00 | 12 | 6 | sandy silt to clayey sil |
| 57.41 | 34.2 | 0.910 | 2.661 | 20.30 | 13 | 6 | sandy silt to clayey sil |
| 57.58 | 27.8 | 0.760 | 2.734 | 21.00 | 11 | 6 | sandy silt to clayey sil |
| 57.74 | 23.5 | 0.560 | 2.383 | 21.00 | 11 | 5 | clayey silt to silty cla |
| 57.91 | 18.7 | 0.420 | 2.245 | 21.50 | 10 | 5 | clayey silt to silty cla |
| 58.07 | 17.8 | 0.410 | 2.301 | 22.20 | 9 | 5 | clayey silt to silty cla |
| 58.23 | 19.6 | 0.590 | 3.006 | 22.70 | 10 | 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 |
|---|---|---|---|---|---|---|---|
| 58.40 | 24.3 | 0.900 | 3.698 | 23.30 | 13 | 5 | clayey silt to silty cla |
| 58.56 | 39.3 | 1.010 | 2.568 | 23.40 | 17 | 5 | clayey silt to silty cla |
| 58.73 | 42.0 | 1.550 | 3.686 | 24.00 | 23 | 5 | clayey silt to silty cla |
| 58.89 | 62.9 | 2.120 | 3.373 | 25.00 | 28 | 6 | sandy silt to clayey sil |
| 59.06 | 116.1 | 1.750 | 1.507 | 9.30 | 29 | 8 | sand to silty sand |
| 59.22 | 190.0 | 1.430 | 0.753 | -1.30 | 33 | 9 | sand |
| 59.38 | 207.1 | 2.110 | 1.019 | -0.90 | 37 | 9 | sand |
| 59.55 | 181.6 | 3.370 | 1.856 | -2.80 | 44 | 8 | sand to silty sand |
| 59.71 | 163.8 | 4.480 | 2.735 | -8.20 | 55 | 7 | silty sand to sandy silt |
| 59.88 | 169.3 | 4.420 | 2.611 | -9.90 | 53 | 7 | silty sand to sandy silt |
| 60.04 | 161.2 | 4.330 | 2.685 | -10.90 | 49 | 7 | silty sand to sandy silt |
| 60.20 | 126.7 | 4.370 | 3.448 | -11.30 | 0 | 0 | <out of range> |
| 60.37 | 72.6 | -32768 | -32768 | -11.50 | 0 | 0 | <out of range> |
| 60.53 | 39.1 | -32768 | -32768 | -11.40 | 0 | 0 | <out of range> |

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