MATAGORDA SHIP CHANNEL
POWERHORN LAKE TO INDIAN POINT

# TEST DATA SUMMARY

FEATURE Log of Soil Boring



| BORING NO. | SAMPLE NO. | DEPTH OR ELEV OF SAMPLE | LABORATORY CLASSIFICATION | MECHANICAL ANALYSIS: GRAVEL % | SAND % | FINES % | $D_{10}$ * | ATTERBERG LIMITS: LL | PL * | SPECIFIC GRAVITY G | NATURAL WATER CONTENT % | NATURAL DRY DENSITY LBS/CU FT | COMPACTION DATA: OPTIMUM WATER % | MAXIMUM DRY DENSITY LBS/CU FT | SHEAR DATA: INITIAL e | DRY DENSITY LBS/CU FT | $W_i$ % | $W_F$ % | $S_i$ % | TYPE TEST | SPECIMEN SIZE INCHES | TEST | $\sigma_m$ T/SQ FT | $\sigma_1$ T/SQ FT | C T/SQ FT | Ø DEGREES | PERMEABILITY: e | K FT/MIN | CONSOLIDATION DATA: $P_o$ T/SQ FT | $P_c$ T/SQ FT | $C_c$ | $t_{50}$ * | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35768-A | 62 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | Water | | | | | | | | | | | | | | | | | | | |
| | | 10.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3446 | | Same as #3448 | | | | 0.0 | | | | 34.3 | 89.3 | | Gray, sandy clay (CL) v/soft | | | | | | | | | | | | | | | | | | | |
| | | 14.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3447 | | Same as #3448 | | | | 0.0 | | | | 39.9 | 83.3 | | Gray, sandy clay (CL) v/soft | | | | | | | | | | | | | | | | | | | |
| | | 16.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3448 | | CL | 0 | 42 | 58 | 0.0 | 30.2 | 6.0 | | 45.8 | 77.4 | | Gray, sandy clay (CL) v/soft | | | | | | | | | | | | | | | | | | | |
| | | 18.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3449 | | Same as #3448 | | | | 0.0 | | | | 82.4 | 53.6 | | Gray, sandy clay (CL), v/soft | | | | | | | | | | | | | | | | | | | |
| | | 20.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3450 | | Same as #3448 | | | | 0.0 | | | | 92.4 | 49.1 | | Gray, sandy clay (CL), v/soft | | | | | | | | | | | | | | | | | | | |
| | | 22.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | No Recovery | | | | | | | | | | | | | | | | | | | |
| | | 24.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3451 | | Same as #3453 | | | | 0.0 | | | | 82.1 | 53.2 | | Light Brown, clay (CH), v/soft | | | | | | | | | | | | | | | | | | | |
| | | 26.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3452 | | Same as #3453 | | | | 0.0 | | | | 79.5 | 55.0 | | Light Brown clay (CH), v/soft | | | | | | | | | | | | | | | | | | | |
| | | 28.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 0.0 | | | | | | | No Recovery | | | | | | | | | | | | | | | | | | | |
| | | 30.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3453 | | CH | 0 | 7 | 93 | 0.0 | 72.3 | 24.0 | | 77.5 | 55.9 | | Light Brown, clay (CH), v/soft | | | | | | | | | | | | | | | | | | | |
| | | 32.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3454 | | Same as #3453 | | | | 0.0 | | | | 50.5 | 73.6 | | Light Brown, clay (CH), v/soft | | | | | | | | | | | | | | | | | | | |
| | | 34.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3455 | | Same as #3458 | | | | 0.0 | | | | 54.3 | 71.0 | | Gray clay (CH), v/soft | | | | | | | | | | | | | | | | | | | |
| | | 36.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3456 | | Same as #3458 | | | | 0.0 | | | | 58.4 | 67.5 | | Gray, clay (CH), v/soft | | | | | | | | | | | | | | | | | | | |
| | | 38.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3457 | | Same as #3458 | | | | 0.0 | | | | 54.1 | 73.9 | | Gray, clay (CH), v/soft | | | | | | | | | | | | | | | | | | | |
| | | 40.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3458 | | CH | 0 | 14 | 86 | 0.0 | 60.4 | 22.0 | | 60.4 | 66.9 | | Gray, clay (CH), v/soft | | | | | | | | | | | | | | | | | | | |
| | | 42.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3459 | | Same as #3458 | | | | 0.0 | | | | 46.4 | 75.3 | | Gray, clay (CH), v/soft | | | | | | | | | | | | | | | | | | | |
| | | 44.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3460 | | Same as #3458 | | | | 0.0 | | | | 57.7 | 65.9 | | Gray clay (CH), v/soft | | | | | | | | | | | | | | | | | | | |
| | | 46.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3461 | | Same as #3458 | | | | 0.0 | | | | 64.3 | 63.5 | | Gray, clay (CH), v/soft | | | | | | | | | | | | | | | | | | | |
| | | 48.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Bottomed in Above Tide @ 2.3' @ 2:00 P.M. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* Values at Pressure T/SQ FT

- Triaxial Compression
UC - Unconfined Compression
DS - Direct Shear
UU - Unconsolidated Undrained
- Consolidated Drained
CU - Consolidated Undrained

MATAGORDA SHIP CHANNEL
BEACON #19 TO
MATAGORDA PENINSULA

# TEST DATA SUMMARY



FEATURE Log of Soil Borings

| BORING NO. | SAMPLE NO. | DEPTH OR ELEV OF SAMPLE | LABORATORY CLASSIFICATION | MECHANICAL ANALYSIS: GRAVEL % | SAND % | FINES % | % | ATTERBERG LIMITS: LL | PL | SPECIFIC GRAVITY G | NATURAL WATER CONTENT % | NATURAL DRY DENSITY LBS/CU FT | COMPACTION DATA: OPTIMUM WATER % | MAXIMUM DRY DENSITY LBS/CU FT | SHEAR DATA: INITIAL e | DRY DENSITY LBS/CU FT | $W_i$ % | $W_F$ % | $S_i$ % | TYPE TEST | SPECIMEN SIZE INCHES | TEST | $\sigma_m$ T/SQ FT | $\sigma_f$ T/SQ FT | C T/SQ FT | Ø DEGREES | PERMEABILITY: e | K FT/MIN | CONSOLIDATION DATA: $P_o$ T/SQ FT | $P_c$ T/SQ FT | $C_c$ | $t_{50}$* | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BST-68 | 61- | 0.0 = | Water | Surface (Elev. +2.9' MLT) | | | | | | | | | Water | | | | | | | | | | | | | | | | | | | | |
| | | 15.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4493 | | CH | 0 | 2 | 98 | | 65 | 22.0 | | 106.4 | | Gray, CLAY (CH), v/soft, slightly organic | | | | | | | | | | | | | Ignition Loss | | 6.0% | | | | 0/15.0'-18.5' |
| | | 18.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4494 | | (CH) | | | | 0.0 | | | | 91.5 | 48.7 | Gray, CLAY (CH), v/soft, slightly organic | | | | | | | | | | | | | | | | | | | | 0/18.5'-22.0' |
| | | 22.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | | (CH) | | | | | | | | (93) | | No Drillers Classification, assumed to be same as above | | | | | | | | | | | | | | | | | | | | |
| | | 25.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4495 | | CH | 0 | 11 | 89 | 0.0 | 64.0 | 20.0 | | 81.5 | 53.4 | Gray to Brown, CLAY (CH), v/soft | | | | | | | | | | | | | | | | | | | | 0/25.0'-27.0' |
| | | 27.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | | (CH) | | | | | | | | | | No Drillers Classification, assumed to be same as above | | | | | | | | | | | | | | | | | | | | |
| | | 30.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4496 | | (CH) | Same as 61-4495 | | | 0.0 | | | | 48.9 | 70.6 | Gray to Brown, CLAY (CH), v/soft | | | | | | | | | | | | | | | | | | | | 0/30.0'-32.0' |
| | | 32.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | | (CH) | | | | | | | | (49) | | No Drillers Classification, assumed to be same as above | | | | | | | | | | | | | | | | | | | | |
| | | 35.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4497 | | CH | 0 | 17 | 83 | 0.25 | 46.2 | 16.5 | | 51.8 | 69.4 | Gray, CLAY (CH), v/soft, w/trace of shell | | | | | | | | | | | | | | | | | | | | 0/35.0'-37.0' |
| | | 37.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | | (CL) | | | | | | | | (52) | | No Drillers Classification, assumed to be same as above | | | | | | | | | | | | | | | | | | | | |
| | | 40.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4498 | | (CL) | Same as 61-4497 | | | 0.25 | | | | 53.0 | 67.8 | Gray, CLAY (CH), v/soft w/trace of shell | | | | | | | | | | | | | | | | | | | | |
| | | 42.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4499 | | (CH) | Same as 61-4500 | | | | | | | 60.4 | | Gray, CLAY (CH), v/soft | | | | | | | | | | | | | | | | | | | | 0/42.0'-43.5' |
| | | 43.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | | (CH) | | | | | | | | (61) | | No Drillers Classification, assumed to be same as above | | | | | | | | | | | | | | | | | | | | |
| | | 46.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4500 | | CH | 0 | 4 | 96 | 0.25 | 63.9 | 23.0 | | 62.2 | 61.8 | Gray, CLAY (CH), v/soft | | | | | | | | | | | | | | | | | | | | |
| | | 48.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Bottomed @ a depth of 48.0' below water surface in Gray, CLAY (CH), v/soft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Boring @ Sta. 24+000, 100' S.W. ℄ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |