SUMMARY OF UNCONFINED COMPRESSION TEST DATA

WALLISVILLE RESERVOIR

NON-OVERFLOW DAM

| Boring No. | Depth Ft. | Density Data M.C. % | Density Data U.D.W. P.C.F. | Gradation Gr | Gradation Sa | Gradation Fines | L.L. | P.L. | % Strain @ Max. Stress | Max. Stress T.S.F. | Classification |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 378 | 2-4 | 25 | 103 | 0 | 19 | 81 | 59 | 22 | 10.2 | 1.53 | Tan, Red-Brown and Light Gray Clay, Stiff (CH) |
| 381 | 2-4 | 32 | 88 | 0 | 25 | 75 | 55 | 23 | 4.9 | .22 | Gray and Tan Clay, Soft (CH) |
| 382 | 2-4 | 35 | 84 | 0 | 1 | 99 | 77 | 27 | 3.1 | .14 | Gray and Tan Clay, Medium (CH) |
| 385 | 2-4 | 35 | 90 | 0 | 5 | 95 | 50 | 19 | 5.5 | .36 | Gray Clay, (Stiff) (CH) |
| " | 6-8 | 63 | 62 | 0 | 0 | 100 | 73 | 23 | 6.8 | .37 | Gray Clay, Soft (CH) |
| " | 12-14 | 86 | 52 | 0 | 0 | 100 | 90 | 39 | 3.1 | .22 | Gray Clay, Very Soft (CH) |
| 387 | 6-8 | 95 | 60 | 0 | 11 | 89 | 65 | 28 | 4.7 | .12 | Gray Clay, Very Soft (CH) |
| " | 13-15 | 84 | 51 | 0 | 0 | 100 | 97 | 38 | 4.2 | .19 | Gray Clay, Soft (CH) |
| 390 | 2-4 | 46 | 73 | 0 | 2 | 98 | 99 | 36 | 2.4 | .49 | Black Clay, (Soft) (CH) |
| 392 | 2-4 | 43 | 80 | 0 | 4 | 96 | 87 | 20 | 5.1 | .38 | Gray and Tan Clay, Soft (CH) |
| 393 | 0-2 | 47 | 72 | 0 | 2 | 98 | 91 | 31 | 5.4 | .43 | Gray Clay, Soft (CH) |
| " | 22-24 | 57 | 67 | 0 | 6 | 94 | 76 | 30 | 4.0 | .23 | Gray Clay, Very Soft (CH) |
| " | 34-36 | 48 | 80 | 0 | 14 | 86 | 72 | 27 | 6.3 | .34 | Gray Clay, Very Soft (CH) |
| 395 | 12-14 | 61 | 61 | 0 | 21 | 79 | 110 | 27 | 3.4 | .51 | Dark Gray & Gray Clay, Med (CH) |
| " | 18-20 | 65 | 63 | 0 | 12 | 88 | 82 | 27 | 3.4 | .61 | Gray Clay, (Stiff) (CH) |
| 400 | 2-4 | 45 | 77 | 0 | 1 | 99 | 91 | 33 | 4.4 | 1.34 | Gray Clay, Stiff (CH) |
| 401 | 2-4 | 45 | 77 | 0 | 2 | 98 | 89 | 32 | 3.8 | .60 | Gray, Dark Gray & Tan Clay, (Stiff) (CH) |
| 402 | 4-6 | 28 | 101 | 0 | 10 | 90 | 35 | 22 | 14.3 | .64 | Gray Sandy Clay, Soft (CL) |
| " | 14-16 | 33 | 91 | — | — | — | 56 | 19 | 7.9 | .22 | Gray Clay, Soft (CH) |
| " | 22-24 | 68 | 67 | 0 | 0 | 100 | 85 | 33 | 3.0 | .21 | Gray Clay, Very Soft (CH) |
| " | 26-28 | 63 | 68 | 0 | 0 | 100 | 89 | 31 | 3.9 | .40 | Gray Clay, Very Soft (CH) |
| 405 | 2-4 | 32 | 91 | 0 | 9 | 91 | 65 | 20 | 5.2 | .52 | Gray & Tan Clay, (Med) (CH) |
| 407 | 2-4 | 33 | 91 | 0 | 9 | 91 | 56 | 24 | 4.8 | .28 | Gray & Tan Clay, Soft (CH) |
| 410 | 2-4 | 35 | 90 | 0 | 5 | 95 | 62 | 32 | 6.6 | .57 | Dark Gray & Tan Clay, (Soft) (CH) |
| 412 | 0-2 | 37 | 84 | 0 | 4 | 96 | 76 | 26 | 5.0 | .30 | Gray & Tan Clay, Soft (CH) |
| " | 22-24 | 15 | 62 | 0 | 12 | 88 | 84 | 27 | 6.1 | .45 | Gray Clay, Soft (CH) |
| " | 30-32 | 34 | 90 | 0 | 1 | 99 | 76 | 24 | 7.5 | 1.74 | Gray & Tan Clay, Stiff (CH) |

SWGED-FG
SUBJECT: Wallisville Lake, Texas - Staking Request

TO: Soils Design Sec FROM: SWGED-FG DATE: 4 Jan 83 CMT 2
ATTN: John M. Cleveland

Subject request for boring stake-outs has been completed as of this date. The following are coordinates and elevations for the respective borings:

| Boring No. | X | Y | | Elevation |
|---|---|---|---|---|
| 83-388 | 3,345,479.92 | 749,137.59 | 54+00 | 1.6 |
| 83-389 | 3,345,935.97 | 749,300.53 | 59+00 | 1.3 |
| 83-390 | 3,346,196.03 | 749,604.38 | 63+00 | 0.9 |
| 83-391 | 3,346,519.00 | 749,986.08 | 68+00 | 1.4 |
| 83-392 | 3,346,841.97 | 750,367.77 | 73+00 | 1.3 |
| 83-393 | 3,347,164.95 | 750,749.46 | 78+00 | 1.5 |
| 83-394 | 3,347,491.45 | 751,127.89 | 83+00 | 1.2 |
| 83-395 | 3,347,953.72 | 751,272.24 | 88+00 | 1.4 |
| 83-396 | 3,348,383.65 | 751,033.11 | 93+00 | 1.0 |
| 83-397 | 3,348,774.08 | 750,720.76 | 98+00 | 1.3 |
| 83-398 | 3,349,140.06 | 750,382.57 | 103+00 | 1.4 |
| 83-399 | 3,349,346.17 | 749,931.38 | 108+00 | 1.3 |
| 83-400 | 3,349,396.10 | 749,585.03 | 111+50 | 1.2 |
| 83-401 | 3,349,462.67 | 749,089.48 | 116+50 | 2.0 |
| 83-402 | 3,349,522.51 | 748,643.51 | 121+50 | 1.5 |
| 83-403 | 3,349,595.80 | 748,098.38 | 126+50 | 1.1 |
| 83-404 | 3,349,662.37 | 747,602.84 | 131+50 | 0.9 |
| 83-405 | 3,349,728.93 | 747,107.29 | 136+50 | 1.1 |
| 83-406 | 3,349,795.50 | 746,611.74 | 141+50 | 0.9 |
| 83-407 | 3,349,862.06 | 746,116.19 | 146+50 | 1.1 |

DTS FD 24
26 Nov 68

# SUMMARY OF LABORATORY TEST DATA

**PROJECT** Corp of Engineers/Wallisville
**DATE** 83-431W

| BORING NO. | DEPTH IN FEET | TYPE OF MATERIAL | MOISTURE CONTENT % | DRY DENSITY pcf | ATTERBERG LIMITS LL | PL | PI | COMPRESSION TEST: COMPRESSION tsf | STRAIN % | LATERAL PRESSURE psi | TYPE FAILURE | Sieve Analysis % Passing #4 | #10 | #40 | #200 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 405 | 14-15.5 | Gray sandy clay with shell (CL) | 12 | | | | | | | | | | | | |
| | 18-20 | Gray clay with sand pockets (CH) | 51 | 78 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| 406 | 0-2 | Gray clay with roots, ferrous nodules and silt partings and pockets, slickensided (CH) | 29 | 93 | | | | | | | | | | | |
| | 2-4 | Light gray and tan clay with roots, ferrous nodules and silt pockets (CH) | 42 | 76 | 66 | 22 | 44 | | | | | 100 | 99 | 96 | 5 |
| | 4-5.5 | Light gray and tan silty clay with sand pockets (CL) | 24 | | | | | | | | | | | | |
| | 12-13.5 | Gray sandy clay with clay pockets (CL) | 19 | | | | | | | | | | | | |
| | 14-16 | Gray very sandy clay with sand pockets and shell fragments (CL) | 18.3 | 104 | 31 | 13 | 18 | | | | | TV = 0.24 TSF 99 | 98 | 97 | 49 |
| | 16-18 | Gray sandy clay with sand pockets and partings, clay pockets and partings and shell (CL) | 26 | 94 | | | | | | | | | | | |
| | 18-20 | Gray sandy clay with sand pockets and partings, clay pockets and partings, seams and shell (CL) | 27 | 90 | | | | | | | | TV = 0.20 TSF | | | |
| | | | | | | | | | | | | | | | |
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