

U. S. ARMY CORPS OF ENGINEERS
SOUTH ATLANTIC DIVISION LABORATORY
MARIETTA GEORGIA

PROJECT: FT. PIERCE SHORE PROTECTION
DISTRICT: JACKSONVILLE
WORK ORDER NO: 6516
DATE RECEIVED: 19 SEPTEMBER 1991

REQUISITION NO: RM-CW-92-0012
DATE REPORTED: 7 NOVEMBER 1991

LOCATION: FT. PIERCE
DESCRIPTION: JAR SAMPLES OF DISTURBED SOIL

| - 4.670 | | | | | | | | | | | | | | | | | | | | | | |
|--|----------|------------|------------|--------------|------|------|------|------|------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| Percent Coarser Than Sieve Sizes Shown | | | | | | | | | | | | | | | | | | | | | | |
| LAB NO. | HOLE NO. | SAMPLE NO. | DEPTH/ELEV | VISUAL SHELL | % | | | | | | | | | | | | | | | | | |
| | | | | | 1.5" | 1.0" | 3/4" | 1/2" | 3/8" | NO. 4 | NO. 7 | NO. 10 | NO. 14 | NO. 18 | NO. 25 | NO. 35 | NO. 45 | NO. 60 | NO. 80 | NO. 120 | NO. 170 | NO. 230 |
| 734690 | PA-R35 | 1 | -3.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.4 | 0.6 | 1.0 | 2.1 | 11.0 | 75.8 | 83.0 |
| 4691 | " | 2 | 0.0 | 11.0 | | | 0.0 | 0.0 | 0.0 | 0.6 | 1.5 | 3.1 | 5.5 | 11.1 | 19.1 | 28.8 | 38.3 | 51.0 | 59.6 | 74.6 | 94.4 | 94.7 |
| 4692 | " | 3 | +3.0 | 11.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 3.4 | 14.4 | 33.6 | 49.0 | 61.4 | 74.7 | 91.4 | 97.8 | 97.8 |
| 4693 | " | 4 | +6.0 | 8.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.9 | 2.9 | 9.1 | 24.3 | 49.0 | 77.3 | 89.4 | 97.5 | 99.8 | 99.8 |
| 4694 | " | 5 | +9.0 | 25.0 | | | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 1.0 | 2.3 | 7.6 | 19.2 | 37.2 | 62.0 | 87.0 | 96.4 | 98.2 | 99.1 | 99.2 |
| 4695 | " | 6 | +10.7 | 14.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.4 | 3.7 | 9.4 | 17.8 | 33.4 | 63.8 | 90.5 | 96.7 | 98.6 | 99.3 | 99.4 |
| 4696 | " | 7 | -8.0 | 1.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.4 | 0.7 | 1.2 | 2.4 | 4.2 | 13.3 | 79.0 | 81.7 |
| 4697 | " | 8 | -10.0 | 75.0 | | 0.0 | 1.5 | 2.8 | 3.8 | 8.2 | 18.0 | 31.5 | 49.4 | 70.1 | 84.5 | 87.6 | 89.1 | 90.5 | 91.6 | 93.6 | 96.6 | 96.6 |
| 4698 | " | 9 | -11.6 | 40.0 | | | 0.0 | 0.0 | 0.0 | 0.2 | 1.0 | 2.8 | 7.6 | 18.5 | 38.1 | 77.6 | 95.8 | 98.3 | 98.5 | 98.6 | 98.8 | 98.8 |
| 4699 | " | 10 | -21.4 | 7.0 | | | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 0.9 | 1.4 | 2.6 | 4.7 | 8.8 | 28.5 | 72.6 | 86.1 | 95.6 | 98.2 | 98.2 |
| 4700 | PA-R37 | 1 | -3.0 | 1.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.4 | 0.7 | 1.5 | 4.5 | 28.2 | 79.4 | 90.1 |
| 4701 | " | 2 | 0.0 | 7.0 | | | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 1.1 | 1.9 | 3.6 | 4.5 | 7.8 | 11.2 | 19.5 | 28.8 | 53.9 | 90.7 | 93.1 |
| 4702 | " | 3 | +3.0 | 45.0 | | | 0.0 | 0.0 | 0.0 | 1.1 | 2.2 | 4.9 | 11.2 | 23.7 | 42.0 | 62.7 | 77.2 | 84.7 | 88.2 | 91.6 | 96.6 | 96.7 |
| 4703 | " | 4 | +6.0 | 50.0 | | | 0.0 | 0.0 | 0.0 | 0.9 | 2.1 | 4.5 | 8.2 | 17.7 | 39.1 | 69.4 | 86.1 | 93.7 | 95.9 | 96.9 | 98.4 | 98.4 |
| 4704 | " | 5 | +9.0 | 4.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 1.5 | 6.4 | 25.4 | 62.1 | 90.8 | 98.1 | 98.9 | 99.2 | 99.3 |
| 4705 | " | 6 | +11.5 | 1.0 | | | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.4 | 0.6 | 1.2 | 2.8 | 12.9 | 57.5 | 85.2 | 92.6 | 96.9 | 98.3 | 98.3 |
| 4706 | " | 7 | -8.0 | 1.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.5 | 1.1 | 3.2 | 9.9 | 48.5 | 84.9 | 90.2 |
| 4707 | PA-R39 | 1 | -3.0 | 8.0 | | | 0.0 | 0.0 | 0.6 | 3.3 | 4.3 | 4.8 | 5.1 | 5.2 | 5.3 | 5.5 | 5.8 | 6.9 | 9.5 | 33.8 | 85.5 | 94.1 |
| 4708 | " | 2 | 0.0 | 7.0 | | | 0.0 | 0.0 | 0.6 | 0.8 | 1.0 | 1.3 | 2.0 | 3.1 | 5.2 | 8.2 | 11.7 | 17.6 | 27.3 | 49.5 | 86.9 | 93.3 |
| 4709 | " | 3 | +3.0 | 71.0 | | 0.0 | 7.3 | 12.1 | 14.1 | 23.0 | 33.3 | 45.6 | 56.4 | 68.8 | 79.9 | 89.6 | 94.5 | 96.7 | 97.7 | 98.4 | 99.0 | 99.0 |
| 4710 | " | 4 | +6.6 | 16.0 | | | 0.0 | 0.0 | 0.0 | 0.3 | 1.0 | 2.3 | 4.3 | 9.1 | 18.3 | 32.6 | 55.6 | 82.5 | 95.2 | 97.9 | 98.7 | 98.7 |
| 4711 | " | 5 | +9.0 | 13.0 | | | 0.0 | 0.7 | 0.7 | 1.3 | 1.6 | 1.9 | 2.5 | 5.4 | 14.8 | 39.9 | 72.1 | 92.6 | 96.0 | 99.4 | 99.6 | 99.6 |
| 4712 | " | 6 | +11.3 | 6.0 | | | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 0.6 | 0.9 | 2.0 | 6.4 | 20.5 | 56.3 | 82.2 | 91.8 | 93.3 | 93.8 | 93.9 |
| 4713 | " | 7 | -8.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.8 | 1.3 | 2.9 | 6.3 | 31.4 | 82.5 | 85.9 |
| 4714 | " | 8 | -10.0 | 4.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 1.6 | 4.6 | 12.4 | 40.3 | 79.5 | 94.9 | 96.1 | 96.1 |
| 4715 | " | 9 | -18.0 | 18.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.1 | 4.0 | 10.3 | 22.0 | 40.5 | 65.8 | 79.1 | 92.1 | 97.6 | 97.6 |
| 4716 | " | 10 | -17.3 | 14.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.9 | 2.9 | 8.4 | 18.6 | 35.0 | 59.3 | 86.0 | 90.2 | 96.6 | 96.7 |

TESTED BY: RD.WB CHECKED BY: ES

16.9

SHEET 1 OF 2

| | | | | | | | | | | | | | | | | |
|---------------------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|
| COMPOSITE % COARSER | 0.3 | 0.6 | 0.7 | 1.5 | 2.6 | 4.1 | 6.2 | 10.2 | 16.8 | 28.0 | 42.9 | 57.7 | 64.7 | 76.5 | 93.5 | 95.3 |
| WEIGHT % | 0.3 | 0.3 | 0.1 | 0.8 | 1.1 | 1.5 | 2.1 | 4.0 | 6.6 | 11.2 | 14.9 | 14.8 | 7.0 | 11.8 | 17.0 | 1.8 |

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 8518
REQUISITION: RM_CH_92_0012

