

| | | | |
|--|---|--|-----------------|
| DRILLING LOG | DIVISION South Atlantic | INSTALLATION Jacksonville District | SHEET 1 OF 5 |
| | 1. PROJECT Kissimmee River Restoration | 10. SIZE AND TYPE OF BIT See Remarks | |
| 2. LOCATION (Coordinates or Station) | | 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) | |
| 3. DRILLING AGENCY Corps of Engineers | | 12. MANUFACTURER'S DESIGNATION OF DRILL Failings IS00 | |
| 4. HOLE NO. (As shown on drawing title and file number) CB-KRR-B-ND | | 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 0 undisturbed: 0 | |
| 5. NAME OF DRILLER L. Whooters | | 14. TOTAL NUMBER OF CORE BOXES | |
| 6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED | | 15. ELEVATION GROUND WATER SEE NOTES | |
| 7. THICKNESS OF BURDEN 0 Ft. | | 16. DATE HOLE STARTED COMPLETED 08/29/98 09/3/98 | |
| 8. DEPTH DRILLED INTO ROCK 0 Ft. | | 17. ELEVATION TOP OF HOLE | |
| 9. TOTAL DEPTH OF HOLE 112.0 Ft. | | 18. TOTAL CORE RECOVERY FOR BORING | |
| | | 19. SIGNATURE OF GEOLOGIST J. HAND | |

KRRBND

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/5' |
|-------|-------|--------|---|------------|---------------|-----------------------|----------|
| n/a | 0 | | | | | AUGER | |
| | 27 | | SAND, fine quartz, a little to some organic silt, brown (SP-SM) | | 1 | SPLIT SPOON | 2 3 |
| | 20 | | | | 2 | SPLIT SPOON | 2 3 |
| | 45 | | | | 3 | SPLIT SPOON | 2 2 |
| | 100 | | | | 4 | SPLIT SPOON | 3 4 |
| | 85 | | SAND, fine quartz, a little organic silt, brown (SP) | | 5 | SPLIT SPOON | 4 5 |
| | 60 | | | | 6 | SPLIT SPOON | 4 5 |
| | 67 | | silty SAND, fine quartz, dark gray (SM) | | 7 | SPLIT SPOON | 7 7 |
| | 60 | | | | 8 | SPLIT SPOON | 3 3 |
| | 35 | | SILT, sandy (fine quartz sand, calcareous silt), some white weathered shell, gray (SM) | | 9 | SPLIT SPOON | 3 3 |
| | 60 | | | | 10 | SPLIT SPOON | 2 3 |
| | 65 | | silty Sand, fine quartz, trace fine black phosphate, some white weathered shell (SM) | | 11 | SPLIT SPOON | 3 5 |
| | 45 | | | | 12 | SPLIT SPOON | 3 4 |
| | 60 | | SILT, a little fine quartz, sand a trace of fine black phosphate and weathered white shell, gray (ML) | | 13 | SPLIT SPOON | 4 6 |
| | 65 | | | | 14 | SPLIT SPOON | 4 5 |

(continued)

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC # | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/5' |
|-------|-------|--------|--|------------|---------------|-----------------------|----------|
| n/a | 22.5 | | | | | | 4 |
| | | | | 100 | 15 | SPLIT SPOON | 7 |
| | | | | | | | 8 |
| | | | | | | | 3 |
| | | | | 100 | 16 | SPLIT SPOON | 4 |
| | | | | | | | 4 |
| | | | | | | | 3 |
| | | | | 100 | 17 | SPLIT SPOON | 6 |
| | | | | | | | 7 |
| | | | | | | | 3 |
| | | | | 100 | 18 | SPLIT SPOON | 6 |
| | | | | | | | 6 |
| | | | | | | | 5 |
| | | | | 100 | 19 | SPLIT SPOON | 5 |
| | | | | | | | 1' |
| | | | green from 30 to 40 | | | | 5 |
| | | | trace fine quartz sand, some weathered white shell from 30 to 35 | | | | 6 |
| | | | | 50 | 20 | 5 FOOT SPOON | 11 |
| | | | | | | | 15 |
| | | | | | | | 20 |
| | | | sandy (fine quartz), shelly from 35 to 40 | | | | 6 |
| | | | | | | | - |
| | | | | 90 | 21 | 5 FOOT SPOON | 10 |
| | | | | | | | 15 |
| | | | | | | | 20 |
| | | | | | | | 5 |
| | | | | | | | 7 |
| | | | | 100 | 22 | 5 FOOT SPOON | 15 |
| | | | light green, shelly (mainly weathered white shell from 40 to 47.5) | | | | 30 |
| | | | | | | | 45 |
| | | | | | | | 6 |
| | | | | | 23 | | 9 |
| | | | | 75 | | 5 FOOT SPOON | 11 |
| | 47.5 | | | | | | 21 |
| | | | very silty SAND, fine quartz, shelly (weathered white shell), green (SM) | | 24 | | 33 |
| | 50.0 | | | | | (continued) | |

| DRILLING LOG (Cont. Sheet) | | ELEVATION TOP OF HOLE | | Ft. | | SHEET 3 OF 5 | |
|-----------------------------|-------|-----------------------|--|-----------------------|---------------|-----------------------|----------|
| PROJECT | | | | INSTALLATION | | | |
| Kissimmee River Restoration | | | | Jacksonville District | | | |
| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC x | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/5' |
| n/a | 50.0 | | | | | | 50 |
| | | | SILT, some fine quartz sand and white weathered shell, green (ML) | | | | 4 |
| | | | | | | | 5 |
| | | | | 100 | 25 | 5 FOOT SPOON | 9 |
| | | | | | | | 17 |
| | | | | | | | 36 |
| | | | after 24 hours with bottom of hole at 55 feet water level at depth of 3.5 feet below surface (top of hole) | | | | 55 |
| | | | | | | | 5 |
| | | | sandy (fine quartz) from 55 to 63 | 100 | 26 | 5 FOOT SPOON | 14 |
| | | | | | | | 32 |
| | | | | | | | 45 |
| | | | | | | | 60 |
| | | | | | | | 9 |
| | | | | 100 | 27 | 5 FOOT SPOON | 10 |
| | | | very fine, from 63.0 to 63.6 | | | | 16 |
| | | | some clay, 63.6 to 65.0 | | | | 22 |
| | | | | | | | 65 |
| | | | | | | | 3 |
| | | | | | | | 4 |
| | | | | 100 | 28 | 5 FOOT SPOON | 5 |
| | | | | | | | 11 |
| | | | | | | | 16 |
| | | | | | | | 70 |
| | | | | | | | 3 |
| | | | | | | | 5 |
| | | | | 100 | 29 | 5 FOOT SPOON | 6 |
| | | | | | | | 12 |
| | | | | | | | 45 |
| | 74.2 | | silty SAND, fine to medium quartz, a little fine to medium black phosphate, some silt, gray green (SM) | | 30 | | 75 |
| | 75.0 | | | | | | 45 |
| | | | SAND, fine quartz, a trace of fine black phosphate, gray (SP) | 40 | 31 | 5 FOOT SPOON | 100 |
| | | | | | | | 5 |
| | | | | 60 | 32 | SPLIT SPOON | 77.5 |

(continued)

| DRILLING LOG (Cont. Sheet) | | ELEVATION TOP OF HOLE | | PROJECT | | INSTALLATION | | SHEET 4 OF 5 | |
|----------------------------|-------|-----------------------|--|-----------------------------|---------------|-----------------------|----------|--------------|-------|
| | | Ft. | | Kissimmee River Restoration | | Jacksonville District | | | |
| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/5' | | |
| n/a | 77.5 | | | | | | | | |
| | | | brown clay layer at 78 | 60 | 32 | SPLIT SPOON | 52 | | 77.5 |
| | | | | | | | 61 | | |
| | | | | | | | 4 | | |
| | | | | 67 | 33 | SPLIT SPOON | 40 | | |
| | | | | | | | 95 | | 80 |
| | | | | | | | 9 | | |
| | | | trace fine to medium black phosphate from 81 to 96.5 | 90 | 34 | SPLIT SPOON | 73 | | |
| | | | | | | | 100 | | |
| | | | | | | 4" ROCK BIT | | | 82.5 |
| | | | | | | | | | |
| | | | | 60 | 35 | SPLIT SPOON | 15 | | 85 |
| | | | | | | | 52 | | |
| | | | | | | | 105 | | |
| | | | | | | 4" ROCK BIT | | | 87.5 |
| | | | | | | | | | |
| | | | | 38 | 36 | SPLIT SPOON | 40 | | 90 |
| | | | 4 foot x 2 inch slotted screen set from 87.3 to 91.3, water level 2.5 feet above surface (top of hole) | | | | 75 | | |
| | | | | | | 4" ROCK BIT | | | 92.5 |
| | | | | | | | | | |
| | | | | 45 | 37 | SPLIT SPOON | 10 | | 95 |
| | | | layers of green clayey silt with medium to coarse black phosphate from 96.5 to 103.0 | | | | 23 | | |
| | | | | | | | 90 | | |
| | | | | | | 4" ROCK BIT | | | 97.5 |
| | | | | | | | | | |
| | | | | 28 | 38 | 5 FOOT SPOON | 39 | | 100 |
| | | | | | | | 65 | | |
| | | | | | | 4" ROCK BIT | | | 102.5 |
| | | | | | | | | | |
| | | | 8 wide 1/2" trace of shell, coarse sand to gravel, fine black phosphate from 102 to 108 feet | 50 | 50 | 5 FOOT SPOON | 20 | | 105 |
| | | | | | | | 107 | | |

(continued)

DRILLING LOG (Cont. Sheet) ELEVATION TOP OF HOLE Ft. SHEET 5 OF 5

PROJECT: Kissimmee River Restoration INSTALLATION: Jacksonville District

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/5' |
|-------|-------|--------|---|------------|---------------|--|---------------------|
| n/a | 05.0 | | | | | 4" ROCK BIT | |
| | 08.0 | | SAND, fine quartz, trace fine black phosphate, a little calcareous silt, gray (SP-SM) | 40 | 40 | 5 FOOT SPOON | 3 17 40 2: |
| | 12.0 | | <p>NOTES:</p> <p>1. Water level first encountered at depth of 3.1 feet. With the bottom of the hole at 55 feet the level was 2.5 feet above the surface (top of hole).</p> <p>2. 2 inch diameter slotted well screen set from 87.3 to 91.3 and pumped at rate of 19 gallons a minute.</p> <p>Soils are here visually classified in accordance with the Unified Soils Classification System.</p> | | | <p>300 # Hammer with 18 inch drop used</p> <p>140 # Hammer with 30" drop used 2.0' (1 3/8" I.O. X 2" O.O.)</p> | |

