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| DRILLING LOG | | DIVISION | INSTALLATION | SHEET 1 OF 1 SHEETS |
| 1. PROJECT St. Lucie Vibracores St. Lucie County, FL | | | 9. SIZE AND TYPE OF BIT 3.0 In. 10. COORDINATE SYSTEM/DATUM HORIZONTAL VERTICAL Florida State Plane East NAD 1983 NAVD 88 | |
| 2. BORING DESIGNATION SLVC-06-18 | | LOCATION COORDINATES X = 931,652 Y = 1,073,625 | 11. MANUFACTURER'S DESIGNATION OF DRILL <input type="checkbox"/> AUTO HAMMER Pneumatic Vibracore <input type="checkbox"/> MANUAL HAMMER | |
| 3. DRILLING AGENCY America Vibracoring Inc. | | CONTRACTOR FILE NO. | 12. TOTAL SAMPLES DISTURBED UNDISTURBED (UD) | |
| 4. NAME OF DRILLER Fred Kaub, P.G. | | | 13. TOTAL NUMBER CORE BOXES | |
| 5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED | | | 14. ELEVATION GROUND WATER | |
| 6. THICKNESS OF OVERBURDEN 0.0 Ft. | | | 15. DATE BORING STARTED COMPLETED 05-21-06 14:04 05-21-06 14:10 | |
| 7. DEPTH DRILLED INTO ROCK 0.0 Ft. | | | 16. ELEVATION TOP OF BORING -41.0 Ft. | |
| 8. TOTAL DEPTH OF BORING 20.0 Ft. | | | 17. TOTAL RECOVERY FOR BORING 18.2 Ft. | |
| | | | 18. SIGNATURE AND TITLE OF INSPECTOR ML | |

| ELEV. (ft) | DEPTH (ft) | LEGEND | CLASSIFICATION OF MATERIALS Depths and elevations based on measured values | % REC. | BOX OR SAMPLE | REMARKS |
|---------------|---------------|--------|---|-----------|------------------|--|
| -41.0 | 0.0 | | | | | |
| -42.1 | 1.1 | | SHELL HASH, some sand, fine grained, quartz, trace shell fragments, trace silt, shell fragments less than 0.5"; (1.0"x0.5") whole shell @ 0.6', grayish brown (2.5Y-5/2), (SW). | | 1 | Sample #1, Depth = 0.7' Mean (mm): 0.50, Phi Sorting: 0.92 Fines (230): 1.87% (SW) |
| -47.0 | 6.0 | | SAND, fine grained, quartz, some shell hash, trace shell fragments, trace silt, trace whole shell, shell fragments up to (1.5"x1.0"); whole shell up to (1.0"x0.75"), dark gray (2.5Y-4/1), (SP). | | 2 | Sample #2, Depth = 4.0' Mean (mm): 0.30, Phi Sorting: 0.59 Fines (230): 1.22% (SP) |
| -53.1 | 12.1 | | SAND, fine grained, quartz, some shell hash, trace shell fragments, trace silt, trace whole shell, shell fragments up to (1.5"x1.0"); whole shell up to (1.0"x0.75"), dark gray (2.5Y-4/1), (SW). | | 3 | Sample #3, Depth = 7.5' Mean (mm): 0.42, Phi Sorting: 0.96 Fines (230): 1.43% (SW) |
| -54.5 | 13.5 | | SAND, fine grained, quartz, trace shell hash, trace silt, dark gray (N-4/0), (SM). | | 4 | Sample #4, Depth = 11.0' Mean (mm): 0.43, Phi Sorting: 1.01 Fines (230): 1.66% (SW) |
| -55.1 | 14.1 | | SHELL HASH, some sand, fine grained, quartz, trace shell fragments, trace silt, trace whole shell, shell fragments and whole shell up to 0.5", dark gray (2.5Y-4/1), (SW). | | 5 | Sample #5, Depth = 12.7' Mean (mm): 0.19, Phi Sorting: 1.01 Fines (230): 8.75% (SM) |
| -57.2 | 16.2 | | SAND, fine grained, quartz, trace shell fragments, trace shell hash, trace silt, trace whole shell, shell fragments up to (1.5"x1.0"); whole shell up to (0.5"x0.5"), dark gray (N-4/0), (SW). | | 6 | Sample #6, Depth = 13.7' Mean (mm): 0.69, Phi Sorting: 1.57 Fines (230): 3.64% (SW) |
| -59.2 | 18.2 | | SAND, fine grained, quartz, little silt, trace shell fragments, trace shell hash, trace whole shell, shell fragments up to (2.0"x1.0"); whole shell up to (1.0"x0.5"); 1.0" clay layer @ 16.3'; 1.5" shell hash layer @ 16.6', dark greenish gray (10Y-4/1), (SW-SM). | | 7 | Sample #7, Depth = 15.0' Mean (mm): 0.33, Phi Sorting: 1.10 Fines (230): 3.00% (SW) |
| -61.0 | 20.0 | | No Recovery. | | 8 | Sample #8, Depth = 16.9' Mean (mm): 0.18, Phi Sorting: 1.01 Fines (230): 7.98% (SW-SM) |
| | | | End of Boring | | | |

FLORIDA DEP ROSS ST LUCIE VC GPJ FL DEP ROSS GDT 6/29/06