
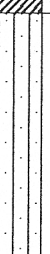
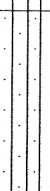
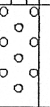



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|--|--|--|--------------|-----------------|
| DRILLING LOG | | DIVISION | INSTALLATION | SHEET 1 OF 1 |
| 1. PROJECT Cumberland Shoals Project | | 10. SIZE AND TYPE OF BIT 4" VIBRACORE | | |
| 2. LOCATION (Coordinates or Station) X=510958.000 Y=23202068.000 | | 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MLLW | | |
| 3. DRILLING AGENCY AOSS/Olsen & Associates, Inc. | | 12. MANUFACTURER'S DESIGNATION OF DRILL ALPINE PNEUMATIC VIBRACORE | | |
| 4. HOLE NO. (As shown on drawing title and file number) SM-2 | | 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 0 undisturbed: 0 | | |
| 5. NAME OF DRILLER E. Olsen | | 14. TOTAL NUMBER OF CORE BOXES 2 | | |
| 6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED | | 15. ELEVATION GROUND WATER | | |
| 7. THICKNESS OF BURDEN 0 Ft. | | 16. DATE HOLE STARTED COMPLETED 4-4-02 4-4-02 | | |
| 8. DEPTH DRILLED INTO ROCK 0 Ft. | | 17. ELEVATION TOP OF HOLE -4.5 Ft. | | |
| 9. TOTAL DEPTH OF HOLE 17.3 Ft. | | 18. TOTAL CORE RECOVERY FOR BORING 100 % | | |
| | | 19. SIGNATURE OF G. Zarillo, SEA, Inc. | | |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS |
|-------|-------|---|---|------------------|------------------|-----------------|
| -4.5 | .0 | | | | | -4.5 |
| | |  | Gray to dark gray plastic clay, thin layers of light gray fine quartz sand and silt. 10 YR 5/1-4/1 (CL) | 100 | | |
| -10.0 | 5.5 | | | | | -9.5 |
| | |  | Gray to light gray silty fine quartz sand, thin layers and inclusions of gray plastic clay. 10 YR 6/1-5/1 (SM) | 100 | | |
| -14.4 | 9.9 | | | | | -14.5 |
| | |  | Gray to dark gray plastic clay interbedded with layers of light gray fine quartz sand and silt. 10 YR 7.5/0.5-5/1 (SM) | 100 | | |
| -17.6 | 13.1 | | | | | -18.5 |
| | |  | Light gray medium to fine quartz sand, abundant light brown to light gray whole shells and shell fragments in fine to medium gravel range. 10 YR 7/0.5 (SW) | 100 | | |
| -21.8 | 17.3 | | | | | -21.8 |
| | |  | Light gray medium to fine quartz sand, thin layers of dark gray plastic clay. 10 YR 7.5/0.5 (SP) | 100 | | |
| | | | | | | No Composite. |
| | | | | | | Revised 7/29/02 |