

| DIVISION | | SHEET 1 OF 1 | |
|---|--|--|--|
| 1. PROJECT Gulf Shores, AL - Beach Restoration | | 10. SIZE AND TYPE OF BIT 4" VIBRACORE | |
| 2. LOCATION (Coordinates or Station) X=1901633.400 Y=82032.500 | | 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MLLW | |
| 3. DRILLING AGENCY A.O.S.S./Olsen Associates, Inc. | | 12. MANUFACTURER'S DESIGNATION OF DRILL PNEUMATIC VIBRACORE | |
| 4. HOLE NO. (As shown on drawing title and file number) C-28 | | 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 4 undisturbed: 0 | |
| 5. NAME OF DRILLER C.Dill/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 11-25-99 11-25-99 | |
| 8. DEPTH DRILLED INTO ROCK 0 Ft. | | 17. ELEVATION TOP OF HOLE -27.6 Ft. | |
| 9. TOTAL DEPTH OF HOLE 13.5 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 |
|------------------------|-------|--------|---|------------------|------------------|---------|
| -27.6 | .0 | | | | | -27.6 |
| | | | Pale brown fine sand, worm tubes. 10 YR 8/2 (SP) | | 0.5 | |
| -29.1 | 1.5 | | | 100 | | |
| | | | Light grey fine sand. 10 YR 7/1-7/2 (SP) | | 4.0 | |
| -32.6 | 5.0 | | | | | -32.6 |
| -33.1 | 5.5 | | Pale brown fine sand, scattered shell fragments to 1/4 inch. 10 YR 8/2 (SP) | | | |
| | | | Grey fine sand. 10 YR 6/1 (SP) | 100 | 8.0 | |
| -36.5 | 8.9 | | | | | |
| | | | Light brownish-grey medium to fine sand. 10 YR 6/2 (SP) | | | -37.6 |
| -38.1 | 10.5 | | | 100 | 12.0 | |
| | | | Light grey fine sand. 10 YR 7/1 (SP) | | | |
| -41.1 | 13.5 | | | | | -41.1 |
| Composite 0.0-13.5 ft. | | | | | | |

| DRILLING LOG | | DIVISION | | INSTALLATION | | SHEET 1 OF 1 | |
|--|-------|----------|--|--|------------------|-------------------------|------|
| 1. PROJECT Gulf Shores, AL - Beach Restoration | | | | 10. SIZE AND TYPE OF BIT 4" VIBRACORE | | | |
| 2. LOCATION (Coordinates or Station) X=1901633.800 Y=82044.800 | | | | 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MLLW | | | |
| 3. DRILLING AGENCY A.O.S.S./Olsen Associates, Inc. | | | | 12. MANUFACTURER'S DESIGNATION OF DRILL PNEUMATIC VIBRACORE | | | |
| 4. HOLE NO. (As shown on drawing title and file number) C-28A | | | | 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 3 undisturbed: 0 | | | |
| 5. NAME OF DRILLER C.Dill/E. Olsen | | | | 14. TOTAL NUMBER OF CORE BOXES 1 | | | |
| 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 11-25-99 11-25-99 | | | |
| 8. DEPTH DRILLED INTO ROCK 0 Ft. | | | | 17. ELEVATION TOP OF HOLE -27.6 Ft. | | | |
| 9. TOTAL DEPTH OF HOLE 21.4 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 | |
| -27.6 | .0 | | | | | -27.6 | 0 |
| | | | | | | | 2.5 |
| | | | | | | | 5 |
| | | | | | | | 7.5 |
| | | | | | | | 10 |
| -39.6 | 12.0 | | White medium to fine sand, 10 YR 8/1 (SP) | 100 | 12.5 | | 12.5 |
| | | | | | | | 15 |
| | | | | | | -42.6 | 15 |
| | | | | | | | 17.5 |
| | | | | 100 | 19.0 | | 20 |
| -47.9 | 20.3 | | Grey medium sand, 10 YR 8/1 (SP) | | | | 20 |
| -48.7 | 21.1 | | Yellowish-brown silty mud, 10 YR 7/4 (ML) | | | -48.0 | 21.0 |
| -49.0 | 21.4 | | | | | Composite 12.0-21.0 ft. | 22.5 |