

|  |  |                 |  |                                      |
|--|--|-----------------|--|--------------------------------------|
| <b>DRILLING LOG</b>  |  | <b>DIVISION</b> | <b>INSTALLATION</b>  | <b>SHEET 1</b><br><b>OF 1 SHEETS</b> |
| <b>1. PROJECT</b><br>Geotechnical Sand Search for Beach Restoration<br>Perdido Key, FL - Escambia County                         |  |                 | <b>9. SIZE AND TYPE OF BIT</b> 4.0 In.   |                                      |
| <b>2. BORING DESIGNATION</b><br>PK-04  |  |                 | <b>10. COORDINATE SYSTEM/DATUM</b><br>Florida State Plane North                              |                                      |
| <b>LOCATION COORDINATES</b><br>X = 1,021,029 Y = 470,990   |  |                 | <b>HORIZONTAL</b><br>NAD 1983  |                                      |
| <b>3. DRILLING AGENCY</b><br>Olsen Associates, Inc   |  |                 | <b>11. MANUFACTURER'S DESIGNATION OF DRILL</b><br>Pneumatic                                  |                                      |
| <b>CONTRACTOR FILE NO.</b>   |  |                 | <input type="checkbox"/> <b>AUTO HAMMER</b><br><input type="checkbox"/> <b>MANUAL HAMMER</b> |                                      |
| <b>4. NAME OF DRILLER</b><br>Alpine Ocean Seismic Survey Inc   |  |                 | <b>12. TOTAL SAMPLES</b><br>0  |                                      |
| <b>5. DIRECTION OF BORING</b><br><input checked="" type="checkbox"/> <b>VERTICAL</b><br><input type="checkbox"/> <b>INCLINED</b> |  |                 | <b>DISTURBED</b><br>0  |                                      |
| <b>DEG. FROM VERTICAL</b>  |  |                 | <b>UNDISTURBED (UD)</b>  |                                      |
| <b>6. THICKNESS OF OVERBURDEN</b> 0.0 Ft.  |  |                 | <b>13. TOTAL NUMBER CORE BOXES</b> 2   |                                      |
| <b>7. DEPTH DRILLED INTO ROCK</b> 0.0 Ft.  |  |                 | <b>14. ELEVATION GROUND WATER</b>  |                                      |
| <b>8. TOTAL DEPTH OF BORING</b> 18.8 Ft.   |  |                 | <b>15. DATE BORING</b><br>05-07-05   |                                      |
|  |  |                 | <b>STARTED</b><br>05-07-05   |                                      |
|  |  |                 | <b>COMPLETED</b><br>05-07-05   |                                      |
|  |  |                 | <b>16. ELEVATION TOP OF BORING</b> -29.7 Ft.   |                                      |
|  |  |                 | <b>17. TOTAL RECOVERY FOR BORING</b> 19.2 Ft.  |                                      |
|  |  |                 | <b>18. SIGNATURE AND TITLE OF INSPECTOR</b><br>Gary Zarillo, PG SEA, Inc                     |                                      |

| ELEV.<br>(ft) | DEPTH<br>(ft) | LEGEND | CLASSIFICATION OF MATERIALS<br>Depths and elevations based on measured values  | %<br>REC. | BOX OR<br>SAMPLE | REMARKS |
|---------------|---------------|--------|--|-----------|------------------|---------|
| -29.7         | 0.0           |        |  |           |                  |         |
| -31.0         | 1.3           |        | Light tannish gray medium to fine quartz sand, abundant whole shells and shell fragments in fine to coarse gravel range, (10YR-7.5/2), (SP). |           |                  |         |
| -31.4         | 1.7           |        | Tannish gray silty quartz sand, shell fragments in medium to coarse gravel range, light gray (10YR-7/2), (SM).                               |           |                  |         |
| -33.2         | 3.5           |        | Gray clay and shell fragments, gray (10YR-5/1), (CL).  |           |                  |         |
|               |               |        | Gray silt, some sand, scattered shell fragments and whole shells in fine to coarse gravel range, gray (10YR-6/1), (ML).                      |           |                  |         |
| -37.6         | 7.9           |        |  |           |                  |         |
|               |               |        | Orange sand, silt, iron stained, very pale brown (10YR-7/3), (ML).   |           |                  |         |
| -41.9         | 12.2          |        |  |           |                  |         |
|               |               |        | Tannish orange clay and silt, iron stained, (10YR-6.5/3), (CL).  |           |                  |         |
| -48.9         | 19.2          |        |  |           |                  |         |
|               |               |        | End of Boring  |           |                  |         |

FLORIDA DEP ROSS PERDIDO KEY.GPJ FL DEP ROSS.GDT 9/30/05