

# VIBRACORE LOG

Project: Key Biscayne

Core ID#: A5

Coordinates: NAD27  
N= 483552.36  
E= 780935.42

Date: May 10, 1999  
Start Time: 16:45  
End Time: 17:00

Water Depth: 6.5'  
Datum: NGVD  
Driller: Industrial Divers  
Client Rep: DO

Core Diameter: 3"  
Length of Barrel: 10'  
Penetration Depth: 5.2'  
Length Recovered: 5.2'  
Percent Recovered: 100%  
Length Retained: 4.2  
Percent Retained: 96%

| ELEV.<br>(- feet) | DEPTH<br>(feet) | Legend      | DESCRIPTION  | Sample<br>No. | Remarks                             |
|-------------------|-----------------|-------------|--|---------------|-------------------------------------|
| 6.5               | 0.0             |             |  |               |                                     |
|                   | 1               |             | Gray (6/N) very fine to<br>medium sand with some<br>shell hash | 1 (11-14")    | 1.66 $\phi$<br>0.32 mm<br>0.2% Silt |
| 8.0               | 2               |             |  |               |                                     |
|                   | 3               |             |  |               | 0.81 $\phi$                         |
| 9.2               |                 |             |  |               |                                     |
| 10.0              |                 |             | Dredge Depth (10.0')   | 2 (41-44")    | 0.57 mm                             |
| 10.7              | 4               | ^ ^ ^ ^ ^ ^ | Shell Fragments (46-47")                                       |               | 0.8% Silt                           |
|                   | 5               |             | Penetration to 5.2 ft.   |               |                                     |
|                   | 6               |             |  |               |                                     |
|                   | 7               |             |  |               |                                     |
|                   | 8               |             |  |               |                                     |
|                   | 9               |             |  |               |                                     |
|                   | 10              |             |  |               |                                     |
|                   | 11              |             |  |               |                                     |
|                   | 12              |             |  |               |                                     |
|                   | 13              |             |  |               |                                     |
|                   | 14              |             |  |               |                                     |
|                   | 15              |             |  |               |                                     |
|                   | 16              |             |  |               |                                     |
|                   | 17              |             |  |               |                                     |
|                   | 18              |             |  |               |                                     |
|                   | 19              |             |  |               |                                     |
|                   | 20              |             |  |               |                                     |

Support Vessel:

Positioning: Differential GPS

## WEATHER

### Wind

Dir: SE  
Speed: 5-10 knots

### Waves








Dir: SE  
Height: 2  
Period: 3 Sec

Logged By: McNeill Geological  
Analysis By: Ardaman & Assoc.  
Date: 5/99 - 6/99

## Analysis Method:

Visual Logging  
Mechanical Sieve

## LEGEND

|   |  |
|---|--|
|  Sand        |  Shell Hash |
|  Shell Frag. |  Rubble     |
|  Coral Frag. |  Rock       |
|  Rock Frag.  |  |