

### **Summary of Vibracore 18**

A variety of sediment types is displayed in this vibracore. From the core top to a depth of approximately 7 feet 4 inches the sediments are represented by mixed quartz-rich terrigenous clastic sediments and carbonate (largely degraded or whole bivalve shells) particles. This top unit is separated from a carbonate-rich unit in the lower portion of the core by a pure organic peat unit which is nearly 2 feet thick. This peat as well as sediments directly below the peat contain characteristics that suggest this organic unit was derived from red mangroves, a salt tolerant coastal plant. Below the peat is a thin (2 feet thick) quartz-rich fine sand followed by a poorly sorted and diagenetically altered carbonate sand with lime mud.

# LITHOLOGIC LOG

Vibracore 18 PB 1 #6

DEPTH  
FEET

0

1

2

3

4

5

6

7

8

GRAVEL

COARSE SAND

MEDIUM SAND

FINE SAND

SILT

CLAY

PEAT

CROSS BED.

RIPPLE-BED.

PARALLEL BED.

INCLINED BED.

MASSIVE BED.

DISTORTED BED.

BURROWING

SHELL

ORGANICS

DIAGENETIC INCL.

NORMAL GRAD.

REVERSE GRAD.

CORAL/ALGAL

RADIOGRAPH

CORE SECTION

sec  
1

sec  
2

# LITHOLOGIC LOG

Vibracore 18 PB 1#6

DEPTH  
FEET

8

9

10

11

12

13

14

15

16

GRAVEL

COARSE SAND

MEDIUM SAND

FINE SAND

SILT

CLAY

PEAT

LIME  
MUD  
MATRIX

CROSS BED.

RIPPLE-BED.

PARALLEL BED.

INCLINED BED.

MASSIVE BED.

DISTORTED BED.

BURROWING

SHELL

ORGANICS

DIAGENETIC INCL.

NORMAL GRAD.

REVERSE GRAD.

CORAL/ALGAL

RADIOGRAPH

CORE SECTION

sec  
3

COMPACTION = 2 inches



