

# VIBRACORE LOG

PROJECT: LONGBOAT KEY BORROW AREA LBK - MID2

CORE NO: LBVC - 57

**COORDINATES:**

N = 1106140

E = 291436

DATE: AUG. 22, 1995

START TIME: 1200

END TIME: 1205

WATER DEPTH: 23.0 Ft. NGVD

DRILLER: EXMAR

CLIENT REP: M. D. ANDREWS

CORE DIAMETER: 2.5"

LENGTH OF BARREL: 12.0'

PENETRATION DEPTH: 11.5'

LENGTH RECOVERED: 8.3'

PERCENT RECOVERED: 72%

LENGTH RETAINED: 8.3'

SUPPORT VESSEL: EXMAR II

POSITIONING: DGPS

TRIMBLE GPS SYSTEM 4000SE LSII

TRIMBLE PRO BEACON USCG RECEIVER

**WEATHER:**

**WIND:**

DIR: NE

SPEED: 0 - 5 Kt.

**WAVES:**

DIR: VAR.

HEIGHT: 0 - 1 Ft.

**CURRENT:**

DIR: NORHT

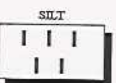
SPEED: 0 - 1 Kt.

ANALYSIS BY: MDA

**ANALYSIS METHOD:**

VISUAL LOGGING

MECHANICAL SIEVE



ELEV.  
(NGVD)

SAND  
DEPTH

LEGEND

DESCRIPTION

SAMP  
NO.

REMARKS

-23.0'

0.0

-23.8'

0.8

-24.9'

2.4

-27.2'

5.0

-33.4'

10.0

-34.5'

11.5

GRAY (5Y 5/1), FINE TO MED.  
GRAINED SAND WITH SHELL  
FRAGMENTS

LIGHT GRAY (5Y 7/1), FINE  
GRAINED SAND

GRAY (5Y 6/1), FINE TO MED.  
GRAINED SAND W/ SILT

GRAY (5Y 6/1), FINE TO MED.  
GRAINED SAND W/ SILT

GRAY (5Y 5/1), FINE GRAINED  
SAND WITH SILT

GRAY (5Y 5/1), FINE GRAINED  
SAND WITH SILT

1  
0.8'

2  
1.9'

3  
4.2'

4  
10.4'

0.92 Phi  
0.53 mm  
14.3 % SILT  
(SS)

2.05 Phi  
0.24 mm  
15.6 % SILT  
(SS)

2.34 Phi  
0.20 mm  
15.0 % SILT  
(SS)

2.47 Phi  
0.18 mm  
22.5 % SILT  
(SS)

NOTE: MEAN WAS CALCULATED USING MOMENT METHOD

NOTE: COORDINATE SYSTEM - FLORIDA STATE PLANE NAD 1927

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