

VIBRACORE LOG

PROJECT: LONGBOAT KEY BORROW AREA LBK - MID2

CORE NO: LBVC - 59

COORDINATES:

DATE: AUG. 22, 1995

WATER DEPTH: 24.0 Ft. NGVD

N = 1107566

START TIME: 1350

DRILLER: EXMAR

E = 290014

END TIME: 1353

CLIENT REP : M. D. ANDREWS

CORE DIAMETER: 2.5"

ELEV.
(NGVD)

SAND
DEPTH

LEGEND

DESCRIPTION

SAMP
NO.

REMARKS

LENGTH OF BARREL: 12.0'

PENETRATION DEPTH: 6.0'

LENGTH RECOVERED: 4.7'

PERCENT RECOVERED: 78%

LENGTH RETAINED : 4.7'

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

SAND



SHELLS FRAG.



ROCK FRAG.



SHELL HASH



ROCK



SILT



-24.0'

0.0

-24.6'

2.0

-25.5'

2.5

-27.2'

5.0

-29.4'

6.0

-30.0'

7.5

10.0

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A

A

X X X

X X

GRAY (SY 5/1), FINE TO MED.
GRAINED SAND WITH SILT

GRAY (SY 6/1), FINE GRAINED
SAND WITH SHELL FRAG.

GRAY (SY 6/1), FINE GRAINED
SAND WITH SHELL FRAG.

ROCK

1

0.6'

2

1.5'

3

3.2'

4

5.4'

2.26 Phi
0.21 mm
18.8 % SILT
(SS)

1.30 Phi
0.41 mm
11.2 % SILT
(SP - SM)

2.04 Phi
0.24 mm
11.0 % SILT
(SP - SM)

2.41 Phi
0.19 mm
22.4 % SILT
(SS)

NOTE: MEAN WAS CALCULATED USING MOMENT METHOD

NOTE: COORDINATE SYSTEM - FLORIDA STATE PLANE NAD 1927

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