

VIBRACORE LOG

PROJECT: LONGBOAT KEY BORROW AREA LBK - 5A

CORE NO: LBVC - 55

COORDINATES: DATE: AUG 19 1995

WATER DEPTH: 34.0 Ft. NGVD

N = 1112454 START TIME: 1352

DRILLER: EXMAR

E = 238151 END TIME: 1400

CLIENT REP : M. D. ANDREWS

CORE DIAMETER: 2.5"

ELEV.
(NGVD)

SAND
DEPTH

LEGEND

DESCRIPTION

SAMP
NO.

REMARKS

LENGTH OF BARREL: 12.0'

-34.0'

0.0

PENETRATION DEPTH: 10.8'

LENGTH RECOVERED: 10.0'

PERCENT RECOVERED: 93 %

LENGTH RETAINED : 9.9'

BIT SAMPLE CONTAINED ROCK FRAG.

SUPPORT VESSEL: EXMAR II

-36.0'

2.5

POSITIONING: DGPS

TRIMBLE GPS SYSTEM 4000SE LSII

TRIMBLE PRO BEACON USCG RECEIVER

WEATHER:

WIND:

DIR: VAR

SPEED: 0 - 5 Kt

WAVES:

DIR: NORTH

HEIGHT 1 - 2 Ft

CURRENT:

DIR: NORTH

SPEED: 1 - 2 Kt

-39.5'

5.0

-43.7'

7.5

ANALYSIS BY : MDA

ANALYSIS METHOD:

VISUAL LOGGING

MECHANICAL SIEVE

SAND



SHELLS FRAG.



ROCK FRAG.



SHELL HASH



ROCK



SILT



-43.7'

10.0

-44.8'

10.8

DARK GRAY (SY 4/1), FINE TO
MED. GRAINED SAND WITH
SHELL HASH & ROCK GRAINS

DARK GRAY (SY 4/1), FINE TO
MED. GRAINED SAND WITH
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DARK GRAY (SY 4/1), FINE TO
MED. GRAINED SAND WITH
SHELL HASH & ROCK GRAINS

LIGHT GRAY (SY 7/1), FINE
GRAINED SAND WITH SILT

ROCK

1
2.0'

2
5.5'

3
9.7'

1.12 Phi
0.46 mm
2.4 % SILT
(SP)

1.47 Phi
0.36 mm
2.8 % SILT
(SP)

2.71 Phi
0.15 mm
13.2 % SILT
(SS)

NOTE: MEAN WAS CALCULATED USING MOMENT METHOD
NOTE: COORDINATE SYSTEM - FLORIDA STATE PLANE NAD 1927

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