

VIBRACORE LOG

PROJECT: LONGBOAT KEY BORROW AREA LBK - 5A

CORE NO: LBVC - 48A

COORDINATES:

DATE: AUG 20 1995

WATER DEPTH: 35.0 Ft. NGVD

N = 1110396

START TIME: 1156

DRILLER: EXMAR

E = 242069

END TIME: 1202

CLIENT REP : M. D. ANDREWS

CORE DIAMETER: 2.5"

ELEV.
(NGVD)

SAND
DEPTH

LEGEND

DESCRIPTION

SAMP
NO.

REMARKS

LENGTH OF BARREL: 12.0'

-35.0'

0.0

PENETRATION DEPTH: 9.1'

JETTED TO : 4.8'

LENGTH RECOVERED: 4.3'

PERCENT RECOVERED: 100 %

LENGTH RETAINED : 4.3'

BIT SAMPLE CONTAINED ROCK FRAG.

SUPPORT VESSEL: EXMAR II

POSITIONING: DGPS

TRIMBLE GPS SYSTEM 4000SE LSII

TRIMBLE PRO BEACON USCG RECEIVER

WEATHER:

WIND:

DIR : NW

SPEED : 0 - 5 Kt

WAVES:

DIR : NW

HEIGHT 1 - 2 Ft

CURRENT:

DIR : NORTH

SPEED : 1- 2 Kt

ANALYSIS BY : MDA

ANALYSIS METHOD:

VISUAL LOGGING

MECHANICAL SIEVE

SAND



SHELLS FRAG.



ROCK FRAG.



SHELL HASH



ROCK



SILT



-39.8'

4.8

-40.5'

5.0

7.5

8.1

-43.7'

-44.1'

9.1

10.0

J
E
T
T
E
D

T
O

4.8'

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

1

5.5'

0.83 Phi
0.56 mm
3.2 % SILT
(SP)

LT GRAY (SY 7/1), FINE / MED.
GRAINED SAND W/ SILT, SHELL
HASH, SHELL FRAG. AND
ROCK FRAGMENTS

2

8.7'

1.50 Phi
0.35 mm
7.4 % SILT
(SP - SM)

NOTE: MEAN WAS CALCULATED USING MOMENT METHOD

NOTE: COORDINATE SYSTEM - FLORIDA STATE PLANE NAD 1927

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