

VIBRACORE LOG

PROJECT: LONGBOAT KEY BORROW AREA LBK - 7B

CORE NO: LBVC - 31

COORDINATES:

DATE: AUG 21 1995

WATER DEPTH: 33.5 Ft. NGVD

N = 1127598

START TIME: 1208

DRILLER: EXMAR

E = 234840

END TIME: 1218

CLIENT REP : M. D. ANDREWS

CORE DIAMETER: 2.5"

LENGTH OF BARREL: 12.0'

PENETRATION DEPTH: 9.5'

LENGTH RECOVERED: 9.0'

PERCENT RECOVERED: 95 %

LENGTH RETAINED : 8.9'

BIT SAMPLE CONTAINED ROCK FRAG.

SUPPORT VESSEL: EXMAR II

POSITIONING: DGPS

TRIMBLE GPS SYSTEM 4000SE LSII

TRIMBLE PRO BEACON USCG RECEIVER

WEATHER:

WIND:

DIR: SE

SPEED: 0-5 Kt

WAVES:

DIR: SE

HEIGHT 1-2 Ft

CURRENT:

DIR: NORTH

SPEED: 0-1 Kt

ANALYSIS BY: MDA

ANALYSIS METHOD:

VISUAL LOGGING

MECHANICAL SIEVE

SAND



SHELLS FRAG.



ROCK FRAG.



SHELL HASH



ROCK



SILT



ELEV.

DEPTH

LEGEND

DESCRIPTION

SAMP NO.

REMARKS

33.5'

0.0

35.0'

2.0

37.0'

2.5

5.0

6.0

40.2'

7.4

42.0'

9.5

43.0'

10.0

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

GRAY (SY 5/1), FINE TO MED. GRAINED SAND WITH SHELL HASH & ROCK GRAINS

GRAY (SY 5/1), FINE TO MED. GRAINED SAND WITH SHELL HASH & ROCK GRAINS

GRAY (SY 6/1), FINE TO MED. GRAINED SAND WITH SHELL HASH

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

ROCK

1

1.5'

2

3.5'

3

6.7'

4

8.5'

1.20 Phi
0.44 mm
1.5 % SILT
(SP)

1.87 Phi
0.27 mm
1.5 % SILT
(SP)

2.25 Phi
0.21 mm
2.7 % SILT
(SP)

2.63 Phi
0.16 mm
5.6 % SILT
(SP - SM)

NOTE: MEAN WAS CALCULATED USING MOMENT METHOD

NOTE: COORDINATE SYSTEM - FLORIDA STATE PLANE NAD 1927

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