

VIBRACORE LOG

PROJECT: LONGBOAT KEY BORROW AREA LBK - MID2

CORE NO: LBVC - 56

COORDINATES: DATE: AUG. 22, 1995

WATER DEPTH: 23.2 Ft. NGVD

N = 1105549 START TIME: 1141

DRILLER: EXMAR

E = 292549 END TIME: 1146

CLIENT REP : M. D. ANDREWS

CORE DIAMETER: 2.5"

LENGTH OF BARREL: 12.0'

PENETRATION DEPTH: 9.0'

LENGTH RECOVERED: 7.6'

PERCENT RECOVERED: 84 %

LENGTH RETAINED : 7.6'

BIT SAMPLE CONTAINED ROCK FRAG.

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
-23.2'	0.0				
-23.8'	0.9		DARK GRAY (5Y 4/1), FINE TO MED GRAINED SAND W/ SILT	1 0.6'	(1) 1.89 Phi 0.27 mm 26.0 % SILT (SS)
-24.7'	1.9	~ ~	GRAY (5Y 5/1), FINE TO MED. GRAINED SAND WITH SHELL HASH & SHELL FRAGMENTS	2 1.5'	(2) -0.32 Phi 1.25 mm 2.1 % SILT (SW)
-25.6'	2.5		LIGHT GRAY (5Y 7/1), FINE TO MED. GRAINED SAND	3 2.4'	(3) 1.56 Phi 0.34 mm 12.9 % SILT (SS)
-28.6'	5.0		GRAY (5Y 5/1), FINE GRAINED SAND WITH SHELL HASH AND SILT	4 5.4'	2.70 Phi 0.15 mm 21.3 % SILT (SS)
-31.5'	7.5		GRAY (5Y 5/1), FINE GRAINED SAND WITH SHELL HASH AND SILT	5 8.3'	2.17 Phi 0.22 mm 27.8 % SILT (SS)
-32.2'	9.0	X X X	ROCK		
	10.0				

NOTE: MEAN WAS CALCULATED USING MOMENT METHOD

NOTE: COORDINATE SYSTEM - FLORIDA STATE PLANE NAD 1927

COASTAL PLANNING & ENGINEERING, INC