

VIBRACORE LOG

PROJECT: LONGBOAT KEY BORROW AREA LBK - MID2

CORE NO: LBVC - 4

COORDINATES:

N = 1105346

E = 291687

DATE: AUG. 18, 1995

START TIME: 1149

END TIME: 1152

WATER DEPTH: 22.5 Ft. NGVD

DRILLER: EXMAR

CLIENT REP: M. D. ANDREWS

CORE DIAMETER: 2.5"
LENGTH OF BARREL: 12.0'
PENETRATION DEPTH: 9.0'
LENGTH RECOVERED: 8.8'
PERCENT RECOVERED: 98 %
LENGTH RETAINED : 8.7'
BIT SAMPLE CONTAINED ROCK FRAG.

SUPPORT VESSEL: EXMAR II

POSITIONING: DGPS
TRIMBLE GPS SYSTEM 4000SE LSII
TRIMBLE PRO BEACON USCG RECEIVER

WEATHER:

WIND:

DIR: VAR
SPEED: 0 - 5 Kt

WAVES:

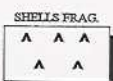
DIR: VAR
HEIGHT: 0 - 1 Ft.

CURRENT:

DIR: NORTH
SPEED: 0 - 1 Kt.

ANALYSIS BY: MDA

ANALYSIS METHOD:
VISUAL LOGGING
MECHANICAL SIEVE



ELEV. (NGVD)	SAND DEPTH	LEGEND	DESCRIPTION	SAMP NO.	REMARKS
-22.5'	0.0				
-22.8'		~	GRAY (5Y 6/1), FINE TO MED. GRAINED SAND W/ SHELL HASH AND SILT	1 0.3'	1.52 Phi 0.35 mm 10.1 % SILT (SP - SM)
	0.9	~			
		@ ~	GRAY (5Y 7/1), FINE TO MED. GRAINED SAND WITH SHELL HASH AND ROCK FRAG.	2 2.0'	1.19 Phi 0.44 mm 14.4 % SILT (SS)
-24.5'	2.5	@ ~			
	2.7				
-26.5'			LIGHT GRAY (5Y 7/1), FINE GRAINED SAND	3 4.0'	2.54 Phi 0.17 mm 14.4 % SILT (SS)
	5.0				
	5.3		GRAY (5Y 6/1), FINE TO MED. GRAINED SAND WITH SILT		
-29.2'				4 6.7'	1.58 Phi 0.34 mm 23.3 % SILT (SS)
	7.5		GRAY (5Y 6/1), FINE TO MED. GRAINED SAND WITH SILT		
	7.9				
-30.8'			PALE YELLOW (5Y 7/3), SILTY SAND	5 8.3'	2.30 Phi 0.20 mm 39.1 % SILT (SS)
-31.5'	9.0				
		X X X X X	ROCK		
	10.0				

NOTE: MEAN WAS CALCULATED USING MOMENT METHOD

NOTE: COORDINATE SYSTEM - FLORIDA STATE PLANE NAD 1927

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