

VIBRACORE LOG

PROJECT: LONGBOAT KEY BORROW AREA LBK - 6A

CORE NO: LBVC - 24

COORDINATES: DATE: AUG 21 1995

WATER DEPTH: 35.5 Ft. NGVD

N = 1123485 START TIME: 1017

DRILLER: EXMAR

E = 243796 END TIME: 1023

CLIENT REP : M. D. ANDREWS

CORE DIAMETER: 2.5"	ELEV.	DEPTH	LEGEND	DESCRIPTION	SAMP NO.	REMARKS
LENGTH OF BARREL: 12.0'	35.5'	0.0				
PENETRATION DEPTH: 11.5'						
LENGTH RECOVERED: 10.4'						
PERCENT RECOVERED: 90 %						
LENGTH RETAINED : 10.3'						
BIT SAMPLE CONTAINED ROCK FRAG.						
SUPPORT VESSEL: EXMAR II	37.5'				1	1.12 Phi 0.46 mm 3.2 % SILT (SP)
POSITIONING: DGPS		2.5		DARK GRAY (SY 4/1), FINE TO MED. GRAINED SAND W/ SHELL HASH & ROCK GRAINS	2.0'	
TRIMBLE GPS SYSTEM 4000SE LSII						
TRIMBLE PRO BEACON USCG RECEIVER						
WEATHER:						
WIND:						
DIR: SE		3.7		DARK GRAY (SY 4/1), FINE TO MED. GRAINED SAND W/ SHELL HASH & ROCK GRAINS		
SPEED: 0-5 Kt						
WAVES:	40.0'				2	1.41 Phi 0.38 mm 23.0 % SILT (SS)
DIR: SE		5.0		GRAY (SY 6/1), FINE TO MED. GRAINED SAND W/ SILT AND SHELL HASH	4.5'	
HEIGHT 1-2 Ft						
CURRENT:						
DIR: NORTH						
SPEED: 0-1 Kt						
ANALYSIS BY: MDA	42.3'	7.1			3	0.74 Phi 0.60 mm 18.9 % SILT (SS)
ANALYSIS METHOD:						
VISUAL LOGGING		7.5		LIGHT GRAY (SY 7/1), SILT WITH ROCKFRAGMENTS	6.8'	
MECHANICAL SIEVE						
SAND						
SHELLS FRAG.						
ROCK FRAG.						
SHELL HASH						
ROCK		10.0		LIGHT GRAY (SY 7/1), SILT WITH ROCKFRAGMENTS		
SILT						
	47.0'	11.5		ROCK		

NOTE: MEAN WAS CALCULATED USING MOMENT METHOD

NOTE: COORDINATE SYSTEM - FLORIDA STATE PLANE NAD 1927

COASTAL PLANNING & ENGINEERING, INC