

VIBRACORE LOG

PROJECT: LONGBOAT KEY BORROW AREA LBK - 1

CORE NO: LBVC - 11

COORDINATES: DATE: AUG. 17, 1995

WATER DEPTH: 31.0 Ft. NGVD

DRILLER: EXMAR

CLIENT REP : M. D. ANDREWS

CORE DIAMETER: 2.5"	ELEV. (NGVD)	SAND DEPTH	LEGEND	DESCRIPTION	SAMP NO.	REMARKS
LENGTH OF BARREL: 12.0'	-31.0'	0.0				
PENETRATION DEPTH: 11.5'						
LENGTH RECOVERED: 10.3'						
PERCENT RECOVERED: 90 %						
LENGTH RETAINED : 10.2'						
BIT SAMPLE CONTAINED CLAY.						
SUPPORT VESSEL: EXMAR II						
POSITIONING: DGPS						
TRIMBLE GPS SYSTEM 4000SE LSI						
TRIMBLE PRO BEACON USCG RECEIVER						
WEATHER:						
WIND:						
DIR: NW						
SPEED: 5-10 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 / CLAY						
	-33.3'	1.0	~	GRAY (5Y 5/1), FINE TO MED. GRAINED SAND W/ SHELL HASH	1	1.15 Phi 0.45 mm 2.1 % SILTY (SP)
		1.6	~	DARK GRAY (5Y 4/1), FINE TO MED. GRAINED SAND WITH SHELL HASH	1.3'	
		2.0		GRAY (5Y 6/1), SILTY SAND		
		2.5				
	-33.8'			GRAY (5Y 5/1), FINE GRAINED SAND	2	2.74 Phi 0.15 mm 14.7 % SILT (SS)
		4.4		GRAY (5Y 5/1), FINE GRAINED SAND	2.8'	
		5.0	^	DARK GRAY (5Y 4/1), FINE TO MED. GRAINED SAND WITH SHELL FRAGMENTS		
		6.0	^		3	1.72 Phi 0.30 mm 12.8 % SILT (SS)
	-36.8'	6.7		LIGHT GRAY (5Y 7/1), SILTY SAND	5.8'	
		7.0		SILTY SAND W/ CLAY		
		7.5		WHITE (5Y 8/1), SILTY SAND WITH POCKETS OF CLAY		
		9.5		WHITE (5Y 8/1), SILTY SAND WITH POCKETS OF CLAY		
		10.0		GREENISH GRAY (10GY 5/1) CLAY		
	-42.5'	11.5				

NOTE: MEAN WAS CALCULATED USING MOMENT METHOD
NOTE: COORDINATE SYSTEM - FLORIDA STATE PLANE NAD 1927

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