

# VIBRACORE LOG

PROJECT: LONGBOAT KEY BORROW AREA LBK - 1

CORE NO: LBVC - 8

COORDINATES: DATE: AUG. 17, 1995

WATER DEPTH: 27.0 Ft. NGVD

N = 1082471

START TIME: 1743

DRILLER: EXMAR

E = 282797

END TIME: 1750

CLIENT REP : M. D. ANDREWS

CORE DIAMETER: 2.5"	ELEV. (NGVD)	SAND DEPTH	LEGEND	DESCRIPTION	SAMP NO.	REMARKS
LENGTH OF BARREL: 12.0'	-27.0'	0.0				
PENETRATION DEPTH: 11.5'						
LENGTH RECOVERED: 11.2'						
PERCENT RECOVERED: 97 %						
LENGTH RETAINED : 11.2'						
SUPPORT VESSEL: EXMAR II	-29.0'				1	1.31 Phi
POSITIONING: DGPS		2.5		DARK GRAY (5Y 4/1), FINE TO MED. GRAINED SAND WITH SHELL HASH	2.0'	0.40 mm
TRIMBLE GPS SYSTEM 4000SE LSII						1.9 % SILT (SP)
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	-34.0'				2	2.37 Phi
ANALYSIS METHOD:					7.0'	0.19 mm
VISUAL LOGGING		7.5		GRAY (5Y 6/1), FINE GRAINED SAND		7.7 % SILT (SP - SM)
MECHANICAL SIEVE						
SAND						
SHELLS FRAG.						
ROCK FRAG.						
SHELL HASH						
ROCK						
SILT						
	-37.2'	10.0		GRAY (5Y 6/1), FINE TO MED. GRAINED SAND WITH SHELL FRAGMENT	3	1.16 Phi
					10.2'	0.45 mm
	-38.5'	11.5				14.6 % SILT (SS)

NOTE: MEAN WAS CALCULATED USING MOMENT METHOD

NOTE: COORDINATE SYSTEM - FLORIDA STATE PLANE NAD 1927

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