VIBRACORE LOG

PROJECT: LONGBOAT KEY BORR0W AREA LBK - MID1 CORE NO: LBVC - 1

COORDINATES:
N = 1099063
E = 292773

DATE: AUG. 18, 1995
START TIME: 1335
END TIME: 1337

WATER DEPTH: 25.0 Ft. NGVD
DRILLER: EXMAR
CLIENT REP : M. D. ANDREWS

CORE DIAMETER: 2.5"
LENGTH OF BARREL: 12.0'
PENETRATION DEPTH: 8.0'
LENGTH RECOVERED: 7.5'
PERCENT RECOVERED: 94 %
LENGTH RETAINED : 7.5'
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

SAND
SHELLS FRAG.
ROCK FRAG.
SHELL HASH
ROCK
SILT

ELEV. (NGVD)	SAND DEPTH	LEGEND	DESCRIPTION	SAMP NO.	REMARKS
-25.0'	0.0				
			GRAY (5Y 6/1), FINE GRAINED SAND WITH SHELL HASH	1 1.6'	2.93 Phi 0.13 mm 11.1 % SILT (SP - SM)
-26.6'	2.5				
	3.2		ROCK FRAGMENT (1-2 cm) SHELL FRAGMENT (1-2 cm) GRAY (5Y 6/1), FINE TO MED. GRAINED SAND W/ SHELL HASH AND FRAGMENTS	2 5.1'	2.22 Phi 0.21 mm 15.9 % SILT (SS)
-30.1'	5.0				
	5.8		GRAY (5Y 5/1), FINE GRAINED SAND WITH SILT AND ROCK FRAGMENTS	3 6.8'	2.30 Phi 0.20 mm 27.1 % SILT (SS)
-31.8'	7.1				
	7.5		GRAY (5Y 5/1), SILTY SAND		
-33.0'	8.0		ROCK		
	10.0				

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

COASTAL PLANNING & ENGINEERING, INC