

# VIBRACORE LOG

PROJECT: LONGBOAT KEY BORROW AREA LBK - 1

CORE NO: LBVC - 13

COORDINATES: DATE: AUG. 17, 1995

WATER DEPTH: 32.0 Ft. NGVD

N = 1084483





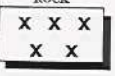

START TIME: 1349

DRILLER: EXMAR

E = 283891

END TIME: 1354

CLIENT REP : M. D. ANDREWS

CORE DIAMETER:	2.5"	ELEV. (NGVD)	SAND DEPTH	LEGEND	DESCRIPTION	SAMP NO.	REMARKS
LENGTH OF BARREL:	12.0'	-32.0'	0.0				
PENETRATION DEPTH:	10.5'	-32.5'	0.8	~	DARK GRAY (5Y 4/1), FINE GRAINED SAND W/ SHELL HASH	1 0.5'	0.68 Phi 0.62 mm 1.9 % SILT (SP)
LENGTH RECOVERED:	9.4'						
PERCENT RECOVERED:	90 %						
LENGTH RETAINED :	9.2'						
BIT SAMPLE CONTAINED ROCK FRAG.							
SUPPORT VESSEL: EXMAR II							
POSITIONING: DGPS							
TRIMBLE GPS SYSTEM 4000SE LSII							
TRIMBLE PRO BEACON USCG RECEIVER							
<u>WEATHER:</u>							
<u>WIND:</u>							
DIR : NW							
SPEED : 5-10 Kt							
<u>WAVES:</u>							
DIR : NW							
HEIGHT 1-2 Ft							
<u>CURRENT:</u>							
DIR : NORTH							
SPEED : 1-2 Kt							
ANALYSIS BY : MDA							
<u>ANALYSIS METHOD:</u>							
VISUAL LOGGING							
MECHANICAL SIEVE							
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  SAND                 </div> <div style="text-align: center;">  SHELLS FRAG.                 </div> </div> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  ROCK FRAG.                 </div> <div style="text-align: center;">  SHELL HASH                 </div> </div> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  ROCK                 </div> <div style="text-align: center;">  SILT / PEAT                 </div> </div>							
		-36.3'	5.0		GRAY (5Y 6/1), FINE GRAINED SAND	2 4.3'	2.61 Phi 0.16 mm 16.0 % SILT (SS)
		-38.8'	7.5		DARK GRAY (5Y 4/1), FINE TO MED. GRAINED SAND WITH SILT	3 6.8'	1.15 Phi 0.45 mm 16.8 % SILT (SS)
			7.9				
			10.0		BLACK (2.5N), FINE TO MED. GRAINED SAND W/ SILT, PEAT LAYERS AND SHELL FRAG.		
		-42.5'	10.5		GRAY (5Y 7/1), CLAY WITH ROCK FRAG		
					ROCK		

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

**COASTAL PLANNING & ENGINEERING, INC**