

VIBRACORE LOG

PROJECT: LONGBOAT KEY BORROW AREA LBK - 7A

CORE NO: LBVC - 41

COORDINATES: DATE: AUG 22 1995

WATER DEPTH: 34.0 Ft. NGVD

N = 11121540 START TIME: 1027

DRILLER: EXMAR

E = 233871 END TIME: 1034

CLIENT REP : M. D. ANDREWS

CORE DIAMETER: 2.5"	ELEV.	DEPTH	LEGEND	DESCRIPTION	SAMP NO.	REMARKS
LENGTH OF BARREL: 12.0'	34.0'	0.0				
PENETRATION DEPTH: 10.0'						
LENGTH RECOVERED: 9.2'						
PERCENT RECOVERED: 92 %						
LENGTH RETAINED : 9.1'						
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: NE						
SPEED: 0-5 Kt						
<u>WAVES:</u>						
DIR: NE						
HEIGHT 1-2 Ft						
<u>CURRENT:</u>						
DIR: NORTH						
SPEED: 0-1 Kt						
ANALYSIS BY : MDA						
<u>ANALYSIS METHOD:</u>						
VISUAL LOGGING						
MECHANICAL SIEVE						
<div style="display: flex; justify-content: space-around;"> <div> <p>SAND</p> </div> <div> <p>SHELLS FRAG.</p> </div> </div> <div style="display: flex; justify-content: space-around;"> <div> <p>ROCK FRAG.</p> </div> <div> <p>SHELL HASH</p> </div> </div> <div style="display: flex; justify-content: space-around;"> <div> <p>ROCK</p> </div> <div> <p>SILT</p> </div> </div>						
	35.5'			DARK GRAY (SY 4/1), FINE TO MED. GRAINED SAND W/ SHELL HASH & ROCK GRAINS	1	1.37 Phi 0.39 mm 1.6 % SILT (SP)
		2.5				
		2.8				
	37.8'			GRAY (SY 6/1), FINE TO MED. GRAINED SAND WITH SHELL HASH	2	2.06 Phi 0.24 mm 3.0 % SILT (SP)
		4.3				
		4.5		SILT LAYER		
		5.0				
	40.0'			GRAY (SY 6/1), FINE TO MED. GRAINED SAND WITH SHELL HASH	3	1.68 Phi 0.31 mm 7.7 % SILT (SP - SM)
		7.5				
	42.5'			GRAY (SY 6/1), FINE TO MED. GRAINED SAND WITH SHELL HASH	4	1.50 Phi 0.35 mm 3.9 % SILT (SP)
		8.7				
				GRAY (SY 5/1), FINE TO MED. GRAINED SAND W/ SILT AND ROCK FRAGMENTS		
	44.0'	10.0		ROCK		

NOTE: MEAN WAS CALCULATED USING MOMENT METHOD

NOTE: COORDINATE SYSTEM - FLORIDA STATE PLANE NAD 1927

COASTAL PLANNING & ENGINEERING, INC