




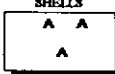




VIBRACORE LOG						
<div style="display: flex; justify-content: space-between;"> PROJECT: CAPTIVA / SANIBEL BORROW AREA III B CORE NO: SB14 </div>						
COORDINATES: N = 742318 E = 427531	DATE: JANUARY 25, 1994 START TIME: 1617 END TIME: 1626	WATER DEPTH: 33.4 Ft. NGVD DRILLER: EXMAR (M. CLARKE) CLIENT REP: MDA				
CORE DIAMETER: 2.5" LENGTH OF BARREL: 11.5' PENETRATION DEPTH: 6.1' LENGTH RECOVERED: 4.4' LENGTH RETAINED : 4.3'	ELEV. 33.4' 34.4' 36.4' 37.4' 37.7' 39.5'	DEPTH 0.0 2.5 3.8 4.3 5.0 6.1 7.5 10.0	LEGEND    	DESCRIPTION GRAY, FINE GRAIN SAND WITH SHELL HASH LT. GRAY, FINE GRAIN SAND WITH SHELL HASH GRAY, FINE GRAIN SAND WITH SHELL HASH AND SILT HARD SUBSTRATE	SAMP NO. 1 2 3	REMARKS 1.28 Phi 0.41 mm 1.8 % SILT (SP) 2.05 Phi 0.24 mm 4.5 % SILT (SP) 1.89 Phi 0.27 mm 18.6 % SILT (SM) NOT RECOVERED NOTE: SHORT RECOVERY DUE TO COMPACTED MATERIAL IN CORE BARREL PUSHING THROUGH SOFTER LOWER LAYER. MISSING MATERIAL SIMILAR TO LOWEST RECOVERED MATERIAL.
SUPPORT VESSEL: EXMAR I POSITIONING: TRISPONDER						
WEATHER: WIND: DIR: EAST SPEED: 5 TO 10 KI WAVES DIR: NORTH HEIGHT: 0 TO 1 Ft.						
ANALYSIS BY: MDA DATE: JAN. 30, 1994 ANALYSIS METHOD: VISUAL LOGGING MECHANICAL SIEVE						
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%; text-align: center;"> SAND  </div> <div style="width: 50%; text-align: center;"> SHELLS  </div> <div style="width: 50%; text-align: center;"> SILT  </div> <div style="width: 50%; text-align: center;"> SHELL HASH  </div> </div>						

NOTE: MEAN WAS CALCULATED USING MOMENT MEASURE METHOD (BALSILLE 1994)

COASTAL PLANNING & ENGINEERING, INC