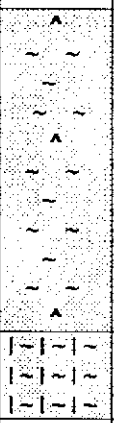

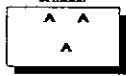
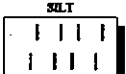



VIBRACORE LOG							
PROJECT: CAPTIVA / SANIBEL BORROW AREA III A				CORE NO: SB2			
COORDINATES: N = 749034 E = 426916	DATE: JANUARY 24, 1994 START TIME: 1526 END TIME: 1532	WATER DEPTH: 33.9 Ft. NGVD DRILLER: EXMAR (M. CLARKE) CLIENT REF: MDA					
CORE DIAMETER: 2.5" LENGTH OF BARREL: 11.5' PENETRATION DEPTH: 4.5' LENGTH RECOVERED: 3.4' LENGTH RETAINED : 3.4	SUPPORT VESSEL: EXMAR I POSITIONING: TRISPOUNDER	ELEV. 33.9' 34.9' 36.9' 37.3' 38.4'	DEPTH 0.0 — — 2.5 2.6 3.4 4.5 5.0 — — 7.5 — — 10.0	LEGEND 	DESCRIPTION GRAY, FINE GRAIN SAND WITH SHELL HASH AND SHELLS LT. GRAY, FINE SAND WITH SHELL HASH HARD SUBSTRATE NOTE: SHORT RECOVERY DUE TO COMPACTED MATERIAL IN CORE BARREL PUSHING THROUGH SOFTER, LOWER LAYER. MISSING MATERIAL SIMILAR TO LOWEST RECOVERED MATERIAL.	SAMP NO. 1 1.0' 2 3.0'	REMARKS 0.71 Phi 0.61 mm 6.8 % SILT (SP-SM) 2.04 Phi 0.24 mm 15.9 % SILT (SM) NOT RECOVERED
WEATHER: WIND: DIR: N/NE SPEED: 10 TO 15 Kt WAVES DIR: NORTH HEIGHT: 1 TO 2 Ft.		ANALYSIS BY: MDA DATE: JAN. 30, 1994 ANALYSIS METHOD: 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  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> SILT  </div> <div style="text-align: center;"> SHELL HASH  </div> </div>							

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

COASTAL PLANNING & ENGINEERING, INC