





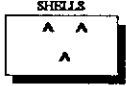
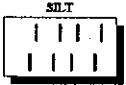



VIBRACORE LOG									
PROJECT: <u>CAPTIVA / SANIBEL BORROW AREA IIIA</u>				CORE NO: <u>SB21</u>					
COORDINATES: N = 749875 E = 424407	DATE: JANUARY 25, 1994 START TIME: 1703 END TIME: 1714	WATER DEPTH: 31.1 FL NGVD DRILLER: EXMAR (M. CLARKE) CLIENT RE P: MDA							
CORE DIAMETER: 2.5" LENGTH OF BARREL: 11.5' PENETRATION DEPTH: 8.0' LENGTH RECOVERED: 6.6' LENGTH RETAINED : 6.6'	SUPPORT VESSEL: EXMAR I POSITIONING: TRISponder	WEATHER: <u>WIND:</u> DIR: N/NE SPEED: 10 TO 15 Kt <u>WAVES</u> DIR: NORTH HEIGHT: 1 TO 2 Ft.	ANALYSIS BY: MDA DATE: JAN. 30, 1994 ANALYSIS METHOD: VISUAL LOGGING MECHANICAL SIEVE	ELEV. 31.1' 32.1' 35.1' 36.1' 37.1' 37.7' 39.1'	DEPTH 0.0 2.5 5.0 5.5 6.6 7.5 8.0 10.0	LEGEND     	DESCRIPTION GRAY, FINE GRAIN SAND WITH SHELL HASH AND SHELLS GRAY, FINE GRAIN SAND WITH SHELL HASH AND SHELLS LT. GRAY, FINE SAND WITH SHELL HASH AND SILT HARD SUBSTRATE	SAMP NO. 1 2 4 3	REMARKS 1.15 Phi 0.45 mm 1.9 % SILT (SP) CUT 1.51 Phi 0.35 mm 4.1 % SILT (SP) 1.27 Phi 0.41 mm 5.7 % SILT (SP) 2.14 Phi 0.23 mm 13.6 % 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.

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

COASTAL PLANNING & ENGINEERING, INC