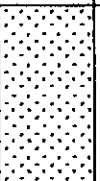
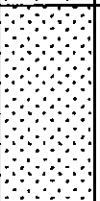
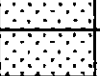
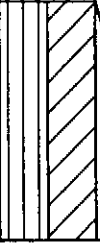


Pj43-10

DUFFIELD ASSOCIATES <small>5400 LIMESTONE ROAD WILMINGTON, DELAWARE 19808-1232 TEL: (302)239-0834 FAX (302)239-0485 E-MAIL: DUFFIELD@DUFFNET.COM</small>	Vibrocore KHV-105 R2		Uncorrected Depth : 29.9 feet Tide : +1.6 feet Corrected Depth : 28.3 feet (1) Vibration time : 3'24" (Includes time to jet) Core penetration : 18.2 feet (3) Core recovery : 12.1 feet (4) Percent recovery : 106 % (3) (4) (5)
	U.S. Army Corps of Engineers Vibrocore-Delaware Coast Contract Number DACW-61-98-D-0008 Task Order 22 2000 Vibrocore: Bethany/South Bethany PED	Date : April 27, 2000 Weather : Overcast, seas subsiding Vibrocore contractor : Alpine Ocean Seismic Sur. Location : Indian River Ebb Shoal Northing Coord. : N 221,997.2 DE-NAD 83 Easting Coord. : E 781,786.3 DE-NAD 83	

Depth in Feet	Soil Surf. Elev. -28.3 (1)	USCS	GRAPHIC	DESCRIPTION	Core Interval	Sample No./Interval
0				Jet to 6.9', then start vibration.		
	-29					
5						
	-34					
		SP		Tan/light-gray fine SAND, trace silt/clay, trace medium sand.	1	1/6.9-10.0
10						
	-39	SP		Tan/light-gray fine SAND, trace silt/clay, trace medium sand.	2	2/10.0-13.9
		SP		Light-gray/brown fine SAND, trace medium sand, trace gravel, trace silt/clay, trace coarse sand, trace shell fragments.		3/13.9-14.7
15						
	-44	ML/CL		Dark-gray SILT/CLAY.	3	4/14.7-18.8 (not tested, fine-grained sample)
20						

f:\boring_logs\vibro2000\decoast\khv105r2.bor

- Notes:
- Corrected water depth and soil surface elevation datum is NGVD.
 - Sample depths are based on core recovery lengths.
 - Actual sample collection 6.9 feet to 18.2 feet, total sampled length 11.3 feet. Percent recovery based on this length.
 - Core recovery measured in field, may not be reflected in total sample length.
 - Percent recovery reflects "over recovery" of sample possibly due to sample heave in liner and/or difficulty of penetration through dense strata.
 - Soil descriptions & USCS classifications according to Visual-Manual Procedure (ASTM D 2488) and/or mechanical sieve analysis if analysis performed.