

pj 55-05

DUFFIELD ASSOCIATES <small>5406 LIMESTONE ROAD WILMINGTON, DELAWARE 19806-1222 TEL: (302)238-0634 FAX: (302)238-8485 E-MAIL: DUFFIELD@DUFFINET.COM</small>	Vibrocore KHV-114		Uncorrected Depth : 43.5 feet Tide : +0.5 feet Corrected Depth : 43.0 feet (1) Vibration time : 7'59" Core penetration : 18.1 feet Core recovery : 20.0 feet (3) Percent recovery : 111 % (3) (4)
	Date : April 24, 2000 Weather : Clear, Mild Vibrocore contractor : Alpine Ocean Seismic Sur. Location : Area G Northing Coord. : N 213,988.3 DE-NAD 83 Easting Coord. : E 775,013.6 DE-NAD 83		
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			

Depth in Feet	Soil Surf. Elev. -43.0 (1)	USCS	GRAPHIC	DESCRIPTION	Core interval	Sample No./Interval
0	-43	SP		Dark-olive fine to medium SAND, trace silt/clay, trace coarse sand, trace to little gravel, trace shell fragments.	1	1/0.4-1.3 (not tested, fine-grained sample)
		ML/CL		Black SILT/CLAY, little fine sand, trace medium sand, trace coarse sand, trace gravel.		2/1.3-2.1
		GP		Dark-olive GRAVEL and medium to coarse sand, trace fine sand, trace silt/clay.		3/2.1-3.9
		SW-SM		Gray medium SAND, some fine sand, little coarse sand, trace silt/clay, trace gravel.		4/4.2-4.8
		ML/CL		Light-gray SILT/CLAY.		5/5.2-10.0
		SP-SM		White fine SAND, little silt/clay, trace medium sand.	2	
		ML/CL		Light-gray SILT/CLAY.		
		SP		White medium SAND, some fine sand, little gravel, trace coarse sand, trace silt/clay.		6/10.0-15.0
10	-53	SP-SM		White fine SAND, some medium sand, trace silt/clay, trace coarse sand, trace gravel.	3	
15	-58	SP-SM		White/light-gray fine SAND, trace silt/clay, trace medium sand.	4	7/15.0-19.8
20						

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- Notes:
- Corrected water depth and soil surface elevation datum is NGVD.
 - Sample depths are based on core recovery lengths.
 - 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.