

PJ 55-02

DUFFIELD ASSOCIATES <small>3400 LIMESTONE ROAD WILMINGTON, DELAWARE 19888-1232 TEL: (302)238-0434 FAX: (302)238-8483 E-MAIL: DUFFIELD@DUFFIELD.COM</small>	Vibrocore KHV-110		Uncorrected Depth : 43.5 feet Tide : +0.5 feet Corrected Depth : 43.0 feet (1) Vibration time : 3'31" Core penetration : 17.0 feet Core recovery : 16.9 feet (3) Percent recovery : 100% (3)
	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 : Light Rain, 2'-4" seas Vibrocore contractor : Alpine Ocean Seismic Sur. Location : Area G Northing Coord. : N 217,884.4 DE-NAD 83 Easting Coord. : E 771,033.5 DE-NAD 83

Depth in Feet	Soil Surf. Elev. 43.0 (1)	USCS	GRAPHIC	DESCRIPTION	Core Interval	Sample No./Interval
0	43	SP-GP		Dark-brown/olive medium SAND and gravel, little fine sand, trace coarse sand, trace silt/clay, trace shell fragments.	1	1/0.0-1.2 2/1.2-5.0
		SW-SM		Light-gray medium SAND and fine sand, trace silt/clay, trace coarse sand, trace gravel.		
5	48	SP-SM		White/orange fine SAND, little medium sand, trace silt/clay, trace coarse sand, trace gravel.	2	3/5.0-10.0
10	53	SM		Tan fine SAND, little medium sand, little silt/clay, trace coarse sand, trace gravel (coarse sand and gravel lense 11.8' to 12.1').	3	4/10.0-11.8
		ML/CL		Light-orange to dark-gray SILT/CLAY.		5/12.1-15.0 (not tested, fine-grained sample)
		ML/CL		Light-orange to dark-gray SILT/CLAY.		6/15.0-15.9 (not tested, fine-grained sample)
15	58	SW-SM		Light-orange coarse to medium SAND, some gravel, trace silt/clay, trace fine sand.	4	7/15.9-16.8
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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.
 - Soil descriptions & USCS classifications according to Visual-Manual Procedure (ASTM D 2488) and/or mechanical sieve analysis if analysis performed.