

PJ45-05

DUFFIELD ASSOCIATES <small>3456 LIMESTONE ROAD WILMINGTON, DELAWARE 19806-1232 TEL: (302)239-9934 FAX: (302)239-9489 E-MAIL: DUFFIELD@DUFFIELD.COM</small>	<h2 style="margin:0;">Vibrocore KHV-109</h2>	Uncorrected Depth : 45.2 feet Tide : +0.6 feet Corrected Depth : 44.6 feet (1) Vibration time : 5'14" Core penetration : 18.1 feet Core recovery : 16.0 feet (3) Percent recovery : 89 % (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 220,000.6 DE-NAD 83 Easting Coord. : E 773,000.4 DE-NAD 83	

Depth in Feet	Soil Surf. Elev. -44.6 (1)	USCS	GRAPHIC	DESCRIPTION	Core interval	Sample No./Interval
0	-45	SP-SM		Dark-brown/gray fine to medium SAND, some gravel, trace coarse sand, trace silt/clay.	1	1/0.0-2.1
		SP-SM		White/light-gray medium SAND and fine sand, trace silt/clay, trace coarse sand, trace gravel.		2/2.1-4.7
5	-50	SP-SM		Tan/orange medium SAND, some fine sand, little gravel, trace coarse sand, trace silt/clay.	2	3/4.7-10.0
10	-55	SP-SM		Tan/orange medium SAND, some fine sand, trace gravel, trace silt/clay, trace coarse sand.		4/10.0-15.0
15	-60	SP-SM		Tan/orange medium SAND and fine sand, trace silt/clay, trace gravel, trace coarse sand.	4	5/15.0-16.4
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- Notes:
1. Corrected water depth and soil surface elevation datum is NGVD.
 2. Sample depths are based on core recovery lengths.
 3. Core recovery measured in field, may not be reflected in total sample length.
 4. Soil descriptions & USCS classifications according to Visual-Manual Procedure (ASTM D 2488) and/or mechanical sieve analysis if analysis performed.