

PJ45-03

**DUFFIELD ASSOCIATES**

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**Vibrocore KHV-106**

Uncorrected Depth : 44.9 feet  
Tide : +2.6 feet  
Corrected Depth : 42.3 feet (1)  
Vibration time : 5'48"  
Core penetration : 19.1 feet  
Core recovery : 19.0 feet  
Percent recovery : 100 %

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, rain, 2'-4' seas  
Vibrocore contractor : Alpine Ocean Seismic Sur.  
Location : Area G  
Northing Coord. : N 223,984.5 DE-NAD 83  
Easting Coord. : E 772,002.7 DE-NAD 83

Depth in Feet	Soil Surf. Elev. -42.3 (1)	USCS	GRAPHIC	DESCRIPTION	Core interval	Sample No./Interval
0	-43	SP		Light-brown fine SAND, some gravel, some medium sand, trace coarse sand, trace silt/clay, trace shell fragments.	1/0.0-2.0	
		SP		Tan/orange medium SAND, some fine sand, trace gravel, trace coarse sand, trace silt/clay.	2/2.0-5.0	
5	-48	SP-SM		Tan/yellow medium SAND and fine sand, trace silt/clay, trace coarse sand, trace gravel.	3/5.0-10.0	
10	-53	SP		Tan/orange medium SAND, some fine sand, trace gravel, trace coarse sand, trace silt/clay.	4/10.0-14.6	
15	-58	SP-SM		Light-gray fine SAND, trace silt/clay, trace medium sand.	5/14.8-19.0	
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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. Soil descriptions & USCS classifications according to Visual-Manual Procedure (ASTM D 2488) and/or mechanical sieve analysis if analysis performed.

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