

PJ55-04

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**Vibrocore KHV-112**

Uncorrected Depth : 45.7 feet  
 Tide : +0.2 feet  
 Corrected Depth : 45.5 feet (1)  
 Vibration time : 10'48"  
 Core penetration : 18.2 feet  
 Core recovery : 19.0 feet (3)  
 Percent recovery : 104 % (3) (4)

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 24, 2000  
 Weather : Clear, Mild  
 Vibrocore contractor : Alpine Ocean Seismic Sur.  
 Location : Area G  
 Northing Coord. : N 216,008.2 DE-NAD 83  
 Easting Coord. : E 773,001.9 DE-NAD 83

Depth in Feet	Soil Surf. Elev. (-45.5 (1))	USCS	GRAPHIC	DESCRIPTION	Core interval	Sample No./Interval
0	-46	SP		Light-brown/light-gray medium SAND, little fine sand, some gravel, trace coarse sand, trace silt/clay, trace shell fragments.	1	1/0.0-5.5
5	-51	ML/CL		Dark-gray SILT/CLAY.	2	2/5.9-6.4
		SP-SM		Gray fine SAND and medium sand, trace silt/clay, trace coarse sand, trace gravel.		3/6.4-6.9 (not tested, fine-grained sample)
		ML/CL		Dark-gray SILT/CLAY, little fine sand.		4/6.9-7.5
		SP-SM		Dark-gray SILT/CLAY, little fine sand.		5/7.5-10.0 (not tested, fine-grained sample)
		ML/CL		Gray fine SAND, some medium sand, trace silt/clay.	3	6/10.0-11.7 (not tested, fine-grained sample)
10	-56	ML/CL		Dark-gray SILT/CLAY (lenses of fine to medium sand 8.2', 8.9-9.0', 9.6-9.7')		7/11.7-12.7
		SM		Orange fine SAND and medium sand, little silt/clay, trace coarse sand.		8/12.7-14.0 (not tested, fine-grained sample)
		ML/CL		Light-gray/orange SILT/CLAY.	4	9/14.9-19.1
		ML/CL		Light-gray SILT/CLAY (lense of orange fine to medium sand from 14.4' to 14.6').		
		ML/CL		Light-gray SILT/CLAY.		
15	-81	SP-SM		Orange/tan fine SAND, some medium sand, trace gravel, trace silt/clay, trace coarse sand.		
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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.

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