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Vibrocore KHV-102

Uncorrected Depth : 41.0 feet
Tide : -0.7 feet
Corrected Depth : 41.7 feet (1)
Vibration time : 4'49"
Core penetration : 18.7 feet
Core recovery : 20.0 feet (3)
Percent recovery : 107% (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 28, 2000
Weather : Clear, 1'-2" seas
Vibrocore contractor : Alpine Ocean Seismic Sur.
Location : Area B
Northing Coord. : N 229,983.7 DE-NAD 83
Easting Coord. : E 771,029.7 DE-NAD 83

Depth in Feet	Soil Surf. Elev. (1)	USCS	GRAPHIC	DESCRIPTION	Core interval	Sample No./Interval
0	-42	SP-SM		Light-gray/tan fine SAND, little medium sand, trace silt/clay, trace coarse sand, trace gravel, trace shell fragments.	1	1/0.0-4.1
5	-47	SP-SM		Light-gray/tan fine SAND, some medium sand, trace silt/clay, trace gravel, trace coarse sand.	2	2/4.1-9.1
10	-52	SP		Light-orange medium SAND, some fine sand, little gravel, trace coarse sand, trace silt/clay.	3	3/9.1-12.2
12.5		SP		Tan/gray medium SAND, some fine sand, little gravel, trace coarse sand, trace silt/clay.		4/12.2-14.1
15	-57	SP		Tan medium SAND, little fine sand, little gravel, trace coarse sand, trace silt/clay.	4	5/14.1-17.0
17.5		SP		Tan/orange medium SAND, little coarse sand, little gravel, little fine sand, trace silt/clay.		6/17.0-19.3
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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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