MJ55-03

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Vibrocore KHV-111

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, 2' seas
Vibrocore contractor	: Alpine Ocean Seismic Sur.
Location	: Area G
Northing Coord.	: N 218,041.3 DE-NAD 83
Easting Coord.	: E 775,024.0 DE-NAD 83

Uncorrected Depth	: 46.5 feet
Tide	: +1.5 feet
Corrected Depth	: 45.0 feet (1)
Vibration time	: 1'39"
Core penetration	: 19.2 feet
Core recovery	: 20.0 feet (3)
Percent recovery	: 104 % (3) (4)

Depth in Feet	Soil Surf. Elev. -45.0 (1)	USCS	GRAPHIC	DESCRIPTION	Core interval	Sample No./Interval
0	-45	SP		Dark-brown/dark-gray medium SAND, some fine sand, some gravel, trace coarse sand, trace silt/clay, trace shell fragments.		1/0.0-1.6
		SP-SM		Light-gray fine SAND, some medium sand, trace silt/clay, trace coarse sand, trace gravel (lense of silt/clay from 5.1' to 5.2').	1	2/1.6-5.1
5	-50	SP-SM		Tan/light-gray medium SAND, some fine sand, trace silt/clay, trace coarse sand, trace gravel.	2	3/5.2-10.0
10	-55	SP-SM		Tan/light-gray fine SAND and medium sand, trace silt/clay, trace coarse sand, trace gravel.	3	4/10.0-15.0
15	-60	SP-SM		Tan fine SAND, little silt/clay, trace medium sand.	4	5/15.0-19.3
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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. Percent recovery reflects "over recovery" of sample possibly due to sample heave in liner and/or difficulty of penetration through dense strata.
5. Soil descriptions & USCS classifications according to Visual-Manual Procedure (ASTM D 2488) and/or mechanical sieve analysis if analysis performed.

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