

## Sediment Analysis Data Sheet

Sample DCG-17-1.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics phi mm	
5/8	16.00	-4.00	0.00	0.00	0.00			
1/2	11.31	-3.50	0.00	0.00	0.00			
5/16	8.00	-3.00	0.00	0.00	0.00			
1/4	5.66	-2.50	0.00	0.00	0.00			
5	4.00	-2.00	0.18	0.47	0.47	5% :	-0.41	1.33
7	2.83	-1.50	0.16	0.42	0.90	16% :	0.92	0.53
10	2.00	-1.00	0.31	0.81	1.71	25% :	1.60	0.33
14	1.41	-0.50	1.05	2.73	4.45	50% :	2.58	0.17
18	1.00	0.00	1.15	3.00	7.44	75% :	3.36	0.10
25	0.71	0.50	1.63	4.25	11.69	84% :	4.05	0.06
35	0.50	1.00	1.96	5.11	16.80	95% :	4.50	0.04
45	0.35	1.50	2.41	6.29	23.09	Med.	2.58	0.17
60	0.25	2.00	3.52	9.19	32.28	Mean	2.52	0.17
80	0.18	2.50	5.69	14.87	47.15	St Dev.	1.53	
120	0.13	3.00	7.12	18.60	65.75	Skew	-0.14	
170	0.09	3.50	4.97	12.98	78.73	Kurt.	1.15	
200	0.07	3.75	1.49	3.88	82.61			
230	0.06	4.00	1.20	3.12	85.73			
Pan			0.60	1.57	87.30			
Total			33.42	87.30	87.30			
						Moment	Statistics	
Cu =	0.21		Gravel	0	%	Mean	Phi	mm
			Coarse Sand	1	%	St. Dev.	2.24	0.21
			ed. Sand	18	%	Skewness	1.27	0.41
Cc =	0.06		Fine Sand	66	%	Kurtosis	-1.10	
			Silt/Clay	14	%		3.62	

SEA, INC.

# U.S. STANDARD SIEVE OPENING U.S. STANDARD SIEVE NUMBERS HYDROMETER

IN INCHES

200

120

60

35

18

10

5

1/2

1

2

4

PERCENT FINER BY WEIGHT

100

90

80

70

60

50

40

30

20

10

0

PERCENT COARSER BY WEIGHT

0

10

20

30

40

50

60

70

80

90

100

0.001

0.01

0.1

GRAIN SIZE IN MILLIMETERS

1

10

100

1000

PHI

-6.0 -5.0 -4.0 -3.0 -2.0 -1.0 0.0 1.0 2.0 3.0 4.0 5.0

COBBLES

GRAVEL

COARSE

FINE

COARSE

MEDIUM

FINE

SAND

SILT OR CLAY

SAMPLE NO.

1.0

ELEV.

-296.6

CLASSIFICATION

Fine silty sand (SM)

PROJECT Dade County Deepwater Study

AREA Dade Co., Florida

BORING NO. DCG-17

DATE March, 2000

# Sediment Analysis Data Sheet

Sample DCG-17-4.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics	
							phi	mm
5/8	16.00	-4.00	0.00	0.00	0.00			
1/2	11.31	-3.50	0.00	0.00	0.00			
5/16	8.00	-3.00	0.34	0.89	0.89			
1/4	5.66	-2.50	0.00	0.00	0.89			
5	4.00	-2.00	0.08	0.22	1.11	5% :	-0.40	1.32
7	2.83	-1.50	0.24	0.63	1.73	16% :	1.10	0.47
10	2.00	-1.00	0.45	1.21	2.94	25% :	1.66	0.32
14	1.41	-0.50	0.60	1.59	4.53	50% :	2.60	0.16
18	1.00	0.00	0.93	2.48	7.01	75% :	3.45	0.09
25	0.71	0.50	1.30	3.46	10.46	84% :	4.10	0.06
35	0.50	1.00	1.56	4.16	14.62	95% :	4.90	0.03
45	0.35	1.50	2.59	6.88	21.50	Med.	2.60	0.16
60	0.25	2.00	4.19	11.14	32.64	Mean	2.60	0.16
80	0.18	2.50	5.18	13.77	46.41	St Dev.	1.55	
120	0.13	3.00	6.73	17.91	64.33	Skew	-0.07	
170	0.09	3.50	4.43	11.77	76.10	Kurt.	1.21	
200	0.07	3.75	1.63	4.33	80.44			
230	0.06	4.00	1.22	3.25	83.69			
Pan			0.79	2.11	85.80			
Total			32.25	85.80	85.80			

		Moment		Statistics	
				Phi	mm
Cu =	0.21	Gravel	1 %	Mean	2.21 0.22
		Coarse Sand	2 %	St. Dev.	1.34 0.40
		ed. Sand	15 %	Skewness	-1.45
Cc =	0.05	Fine Sand	66 %	Kurtosis	5.41
		Silt/Clay	16 %		

SEA, INC.



# U.S. STANDARD SIEVE OPENING U.S. STANDARD SIEVE NUMBERS HYDROMETER

IN INCHES

100 90 80 70 60 50 40 30 20 10 0 100 200 120 60 35 18 10 5 1 2 4

PERCENT FINER BY WEIGHT

PERCENT COARSER BY WEIGHT

GRAIN SIZE IN MILLIMETERS

PHI

COBBLES

GRAVEL

SAND

SILT OR CLAY

CLASSIFICATION

Fine silty sand (SM)

ELEV.

-299.6

SAMPLE NO.

4.0

PROJECT

Dade County Deepwater Study

AREA

Dade Co., Florida

BORING NO.

DCG-17

DATE

March, 2000

## Sediment Analysis Data Sheet

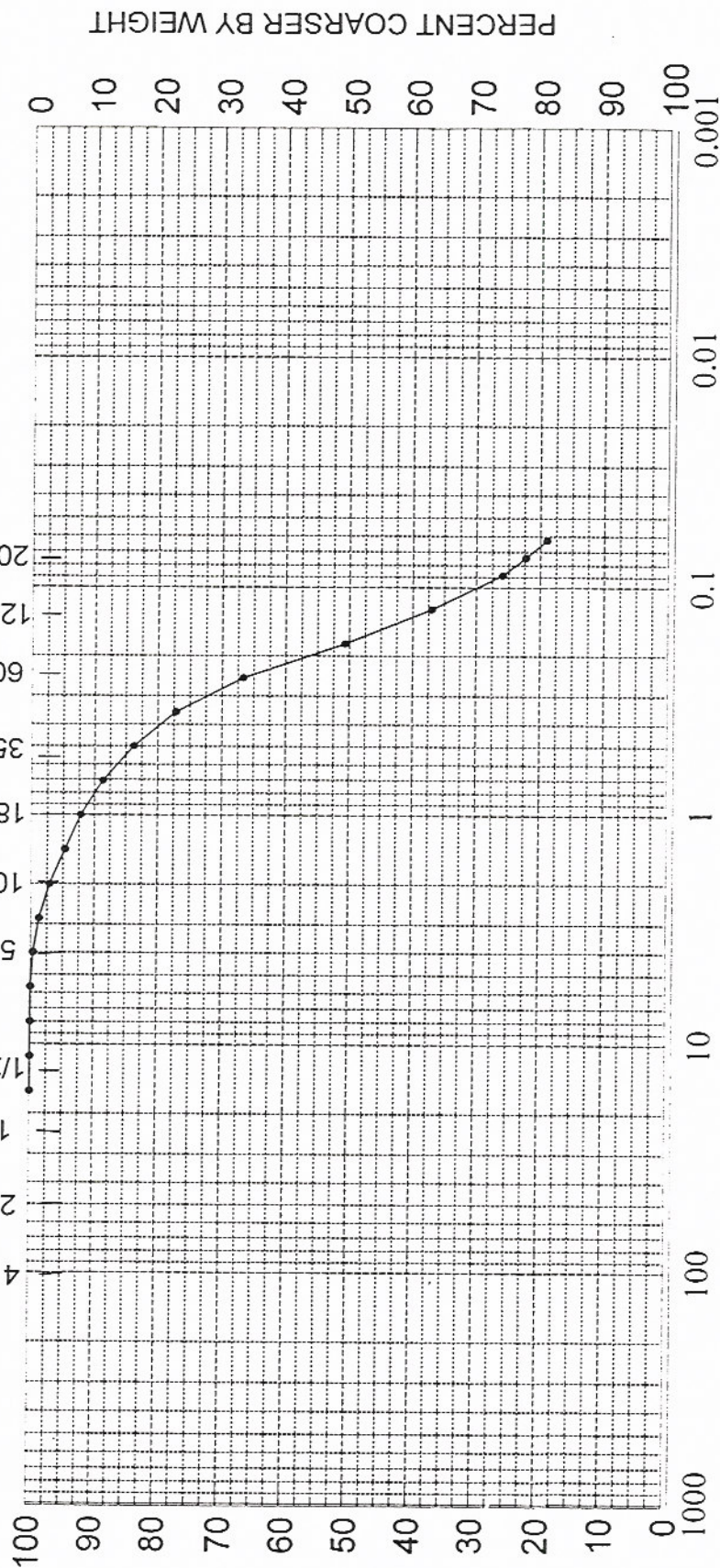
Sample DCG-17-6.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics phi mm	
5/8	16.00	-4.00	0.00	0.00	0.00			
1/2	11.31	-3.50	0.00	0.00	0.00			
5/16	8.00	-3.00	0.00	0.00	0.00			
1/4	5.66	-2.50	0.00	0.00	0.00			
5	4.00	-2.00	0.17	0.36	0.36	5% :	-0.56	1.47
7	2.83	-1.50	0.43	0.90	1.26	16% :	0.98	0.51
10	2.00	-1.00	0.77	1.63	2.89	25% :	1.60	0.33
14	1.41	-0.50	1.13	2.39	5.28	50% :	2.53	0.17
18	1.00	0.00	1.16	2.44	7.72	75% :	3.80	0.07
25	0.71	0.50	1.71	3.59	11.31	84% :	4.50	0.04
35	0.50	1.00	2.33	4.90	16.22	95% :	5.00	0.03
45	0.35	1.50	3.12	6.58	22.80	Med.	2.53	0.17
60	0.25	2.00	4.99	10.53	33.33	Mean	2.67	0.16
80	0.18	2.50	7.57	15.96	49.28	St Dev.	1.72	
120	0.13	3.00	6.49	13.69	62.98	Skew	0.01	
170	0.09	3.50	5.25	11.06	74.04	Kurt.	1.04	
200	0.07	3.75	1.74	3.67	77.70			
230	0.06	4.00	1.58	3.34	81.04			
Pan			0.60	1.26	82.30			
Total			39.04	82.30	82.30			
						Moment	Statistics	
Cu =	0.22	Gravel			0	%	Mean	Phi mm
		Coarse Sand			3	%	St. Dev.	2.17 0.22
		ed. Sand			17	%	Skewness	1.32 0.40
Cc =	0.05	Fine Sand			62	%	Kurtosis	-1.12
		Silt/Clay			19	%		3.62
SEA, INC.								



U.S. STANDARD SIEVE OPENING U.S. STANDARD SIEVE NUMBERS HYDROMETER

IN INCHES



GRAIN SIZE IN MILLIMETERS



COBBLES GRAVEL SAND SILT OR CLAY

SAMPLE NO.  6.0	ELEV.  -301.6	CLASSIFICATION	PROJECT	Dade County Deepwater Study
		Fine silty sand (SM)	AREA	Dade Co., Florida
			BORING NO.	DCG-17
			DATE	March, 2000