

Sediment Analysis Data Sheet

Sample DCV-3R2-1.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics phi mm	
5/8	16.00	-4.00	10.21	24.22	24.22			
1/2	11.31	-3.50	0.00	0.00	24.22			
5/16	8.00	-3.00	2.68	6.37	30.59			
1/4	5.66	-2.50	1.06	2.51	33.10			
5	4.00	-2.00	1.58	3.75	36.84	5% :	-5.50	45.25
7	2.83	-1.50	1.52	3.60	40.45	16% :	-4.50	22.63
10	2.00	-1.00	1.25	2.96	43.41	25% :	-3.44	10.84
14	1.41	-0.50	1.58	3.75	47.16	50% :	-0.09	1.06
18	1.00	0.00	1.45	3.45	50.61	75% :	1.74	0.30
25	0.71	0.50	2.30	5.46	56.07	84% :	2.40	0.19
35	0.50	1.00	3.22	7.65	63.72	95% :	3.66	0.08
45	0.35	1.50	3.36	7.98	71.70	Med.	-0.09	1.06
60	0.25	2.00	2.96	7.02	78.71	Mean	-0.73	1.66
80	0.18	2.50	2.82	6.68	85.40	St Dev.	3.11	
120	0.13	3.00	2.69	6.38	91.78	Skew	-0.23	
170	0.09	3.50	1.13	2.68	94.46	Kurt.	0.73	
200	0.07	3.75	0.28	0.66	95.12			
230	0.06	4.00	0.26	0.61	95.73			
Pan			0.24	0.57	96.30			
Total			40.58	96.30	96.30			

		Moment		Statistics	
				Phi	mm
Cu =	21.45	Gravel	35 %	Mean	-0.68 1.60
		Coarse Sand	8 %	St. Dev.	2.74 0.15
		ed. Sand	24 %	Skewness	-0.10
Cc =	0.36	Fine Sand	28 %	Kurtosis	1.45
		Silt/Clay	4 %		

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

100

90

80

70

60

50

40

30

20

10

0

PERCENT FINER BY WEIGHT

PERCENT COARSER BY WEIGHT

0 10 20 30 40 50 60 70 80 90 100

0.001

0.01

0.1

1

5

10

100

1000

GRAIN SIZE IN MILLIMETERS

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		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT
1.0	-170.2	Well graded sand and gravel (GW)	Dade County Deepwater Study
			AREA Dade Co., Florida
			BORING NO. DCV-3R2
			DATE March, 2000

Sediment Analysis Data Sheet

Sample DCV-3R2-3.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics	
							phi	mm
5/8	16.00	-4.00	8.74	25.26	25.26			
1/2	11.31	-3.50	0.00	0.00	25.26			
5/16	8.00	-3.00	1.43	4.13	29.39			
1/4	5.66	-2.50	0.67	1.93	31.32			
5	4.00	-2.00	0.61	1.77	33.09	5% :	-5.10	34.30
7	2.83	-1.50	0.66	1.92	35.01	16% :	-4.50	22.63
10	2.00	-1.00	0.92	2.65	37.66	25% :	0.00	1.00
14	1.41	-0.50	1.69	4.87	42.53	50% :	0.23	0.86
18	1.00	0.00	1.64	4.74	47.27	75% :	2.38	0.19
25	0.71	0.50	2.10	6.06	53.33	84% :	3.24	0.11
35	0.50	1.00	2.27	6.55	59.89	95% :	4.30	0.05
45	0.35	1.50	2.02	5.84	65.73	Med.	0.23	0.86
60	0.25	2.00	1.70	4.93	70.66	Mean	-0.35	1.27
80	0.18	2.50	1.97	5.68	76.34	St Dev.	3.36	
120	0.13	3.00	1.87	5.42	81.76	Skew	-0.18	
170	0.09	3.50	1.65	4.76	86.52	Kurt.	1.62	
200	0.07	3.75	0.59	1.71	88.23			
230	0.06	4.00	0.60	1.73	89.96			
Pan			0.74	2.13	92.08			
Total			31.86	92.08	92.08			

Cu = 1.20

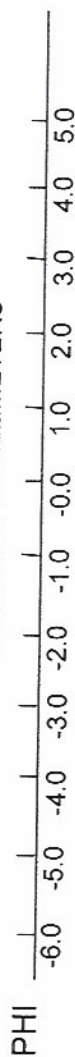
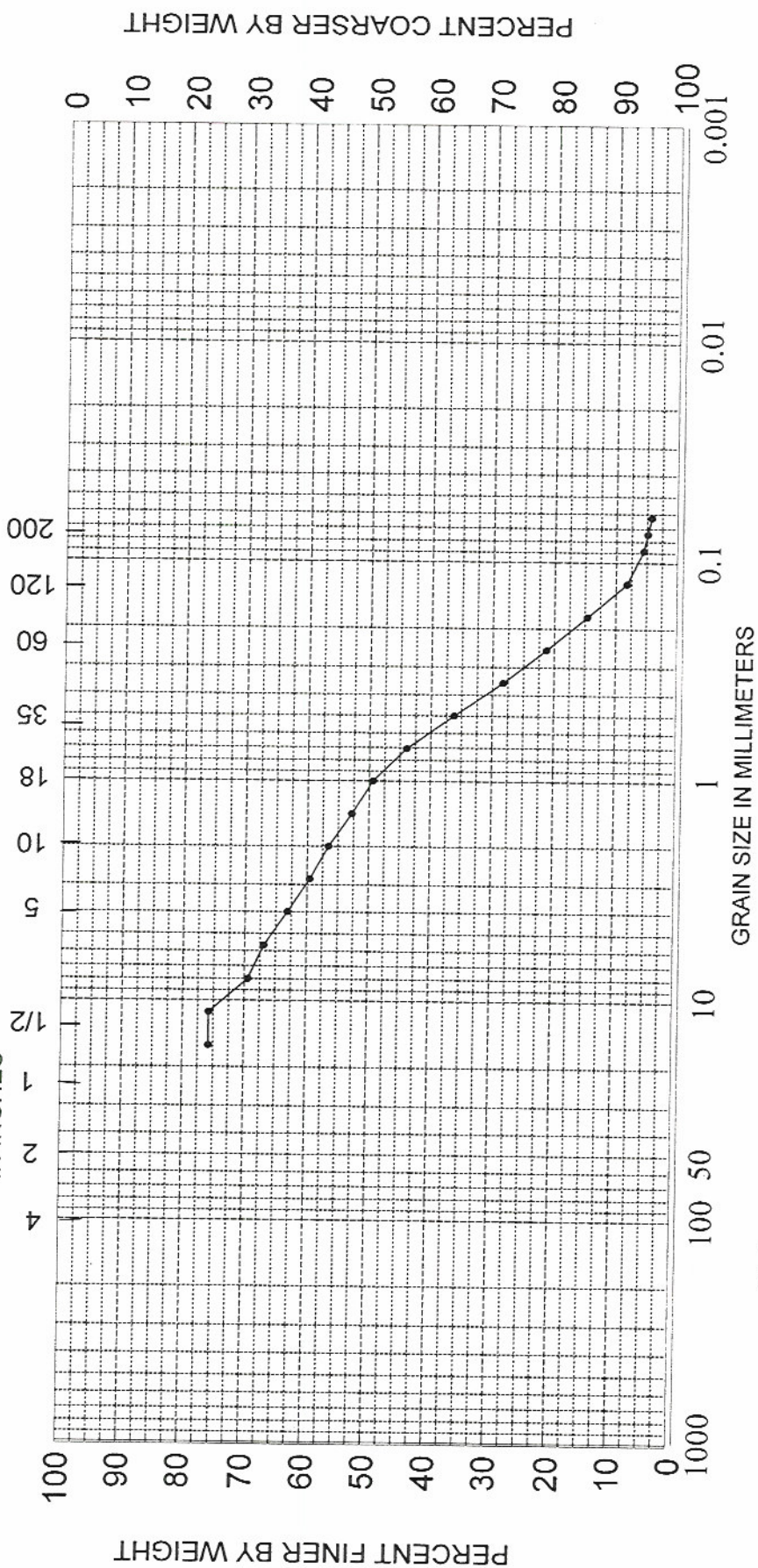
Gravel
Coarse Sand
ed. Sand
Fine Sand
Silt/Clay

32 %
5 %
25 %
27 %
10 %

Cc = 0.03

SEA, INC.

Moment	Statistics	
	Phi	mm
Mean	-0.56	1.48
St. Dev.	2.84	0.14
Skewness	-0.17	
Kurtosis	1.44	



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT
3.0	-172.2	Medium to fine sand and gravel (SP)	Dade County Deepwater Study
			AREA Dade Co., Florida
			BORING NO. DCV-3R2
			DATE March, 2000