

# Sediment Analysis Data Sheet

Sample A-8-3.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics phi	mm
	16.00	-4.00	0.00	0.00	0.00			
	11.31	-3.50	0.00	0.00	0.00			
	8.00	-3.00	0.24	0.74	0.74			
	5.66	-2.50	0.13	0.40	1.14	5% :	-0.62	1.54
5	4.00	-2.00	0.32	0.98	2.12	16% :	1.69	0.31
7	2.83	-1.50	0.30	0.91	3.02	25% :	2.03	0.24
10	2.00	-1.00	0.38	1.15	4.17	50% :	2.32	0.20
14	1.41	-0.50	0.36	1.10	5.27	75% :	2.66	0.16
18	1.00	0.00	0.46	1.40	6.66	84% :	2.81	0.14
25	0.71	0.50	0.44	1.34	8.00	95% :	2.99	0.13
35	0.50	1.00	0.50	1.52	9.53			
45	0.35	1.50	0.85	2.59	12.11	Med.	2.32	0.20
60	0.25	2.00	3.38	10.35	22.47	Mean	2.27	0.21
80	0.18	2.50	13.96	42.72	65.19	St Dev.	0.83	
120	0.13	3.00	9.94	30.41	95.60	Skew	-0.38	
170	0.09	3.50	1.16	3.55	99.15	Kurt.	2.34	
200	0.07	3.75	0.07	0.20	99.35			
Pan			0.02	0.05	99.40			
Total			32.49	99.40	99.40			
						Moment	Statistics	
							Phi	mm
Cu =	1.63		Gravel	2	%	Mean	2.06	0.24
			Coarse	Sand	3	%	St. Dev.	1.11
			Med.	Sand	7	%	Skewness	-2.71
Cc =	0.97		Fine	Sand	89	%	Kurtosis	10.89

SEA, INC.

U.S. STANDARD SIEVE OPENING  
IN INCHES

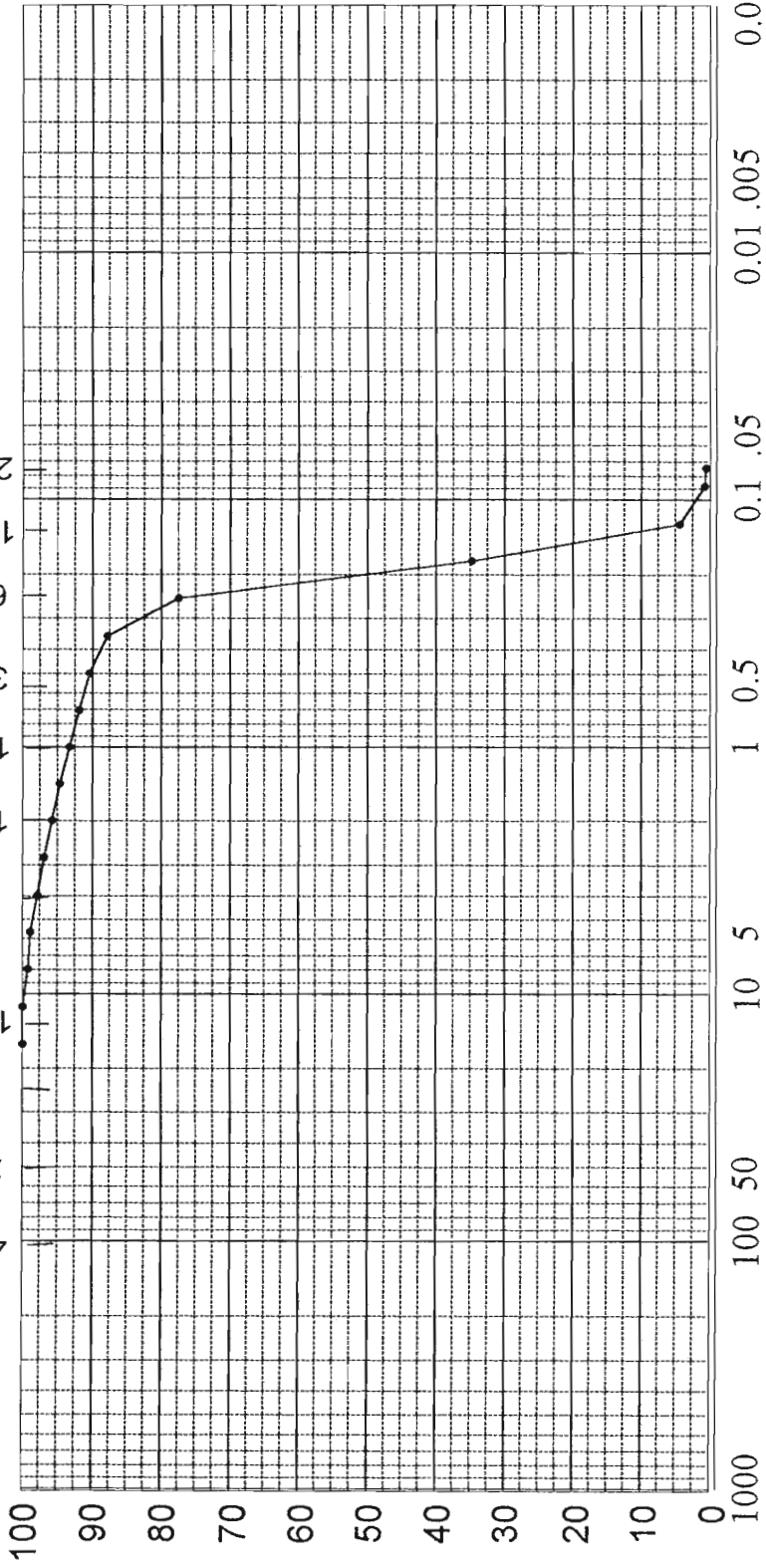
U.S. STANDARD SIEVE NUMBERS

HYDROMETER

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



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 Amelia Island Stabilization Project		
3.0'	-19.7' MLLW	Fine sand (SP)				AREA	Amelia Island, Georgia	
						BORING NO.	A-8	
						DATE	June 2001	

# Sediment Analysis Data Sheet

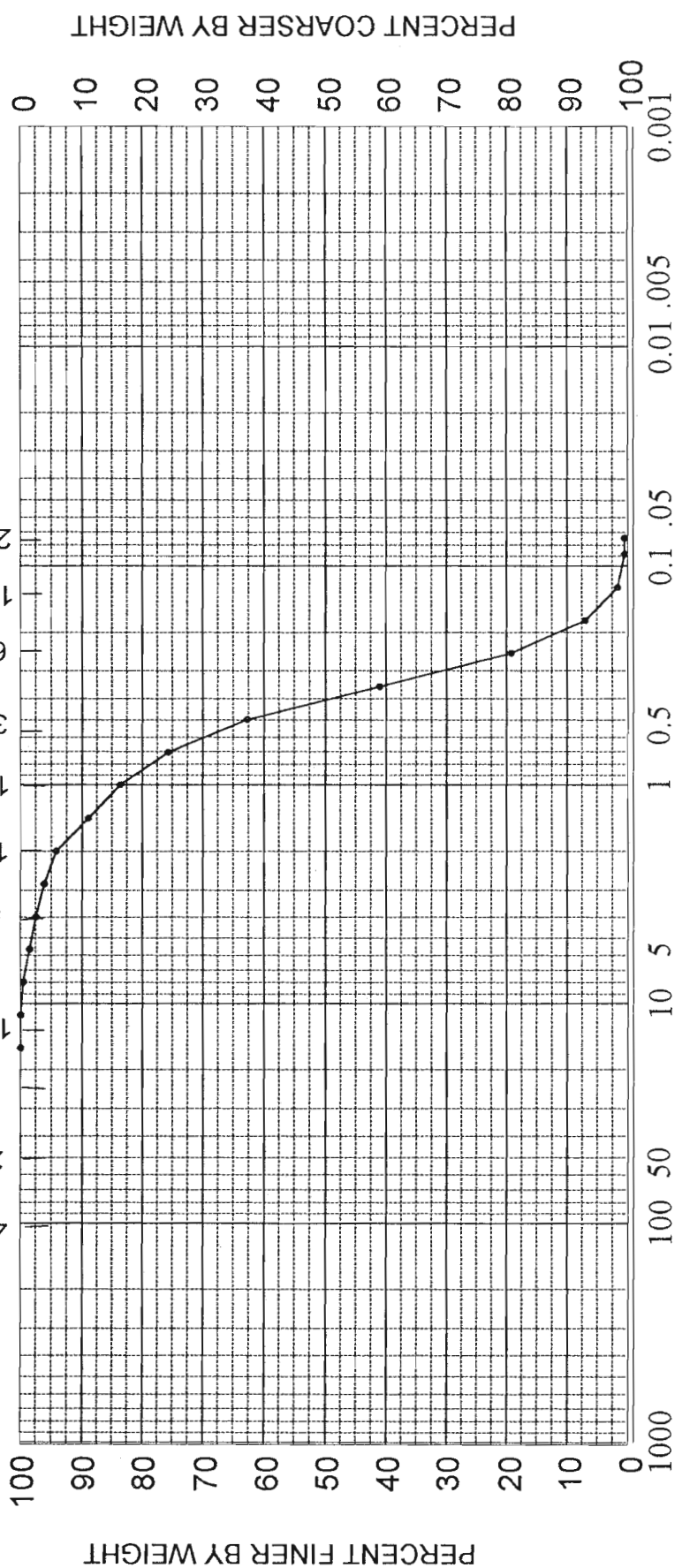
Sample A-8-9.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics phi	mm
	16.00	-4.00	0.00	0.00	0.00			
	11.31	-3.50	0.00	0.00	0.00			
	8.00	-3.00	0.16	0.51	0.51			
	5.66	-2.50	0.32	0.99	1.49	5% :	-1.19	2.28
5	4.00	-2.00	0.33	1.02	2.52	16% :	-0.04	1.03
7	2.83	-1.50	0.41	1.26	3.78	25% :	0.53	0.69
10	2.00	-1.00	0.63	1.96	5.74	50% :	1.29	0.41
14	1.41	-0.50	1.70	5.28	11.02	75% :	1.87	0.27
18	1.00	0.00	1.73	5.39	16.41	84% :	2.13	0.23
25	0.71	0.50	2.52	7.84	24.25	95% :	2.69	0.16
35	0.50	1.00	4.14	12.91	37.16			
45	0.35	1.50	6.99	21.78	58.94	Med.	1.29	0.41
60	0.25	2.00	7.00	21.82	80.76	Mean	1.13	0.46
80	0.18	2.50	3.92	12.21	92.97	St Dev.	1.13	
120	0.13	3.00	1.72	5.37	98.34	Skew	-0.25	
170	0.09	3.50	0.34	1.07	99.41	Kurt.	1.19	
200	0.07	3.75	0.02	0.07	99.48			
Pan			0.01	0.02	99.50			
Total			31.91	99.50	99.50			
						Moment	Statistics	
							Phi	mm
Cu =	2.48		Gravel		2 %	Mean	1.07	0.48
			Coarse	Sand	4 %	St. Dev.	1.18	0.44
			Med.	Sand	42 %	Skewness	-1.05	
Cc =	0.96		Fine	Sand	51 %	Kurtosis	4.32	

SEA, INC.

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

IN INCHES



# Sediment Analysis Data Sheet

Sample A-8-12.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics phi	mm
	16.00	-4.00	0.00	0.00	0.00			
	11.31	-3.50	0.88	2.56	2.56			
	8.00	-3.00	0.00	0.00	2.56			
	5.66	-2.50	0.24	0.70	3.25	5% :	-2.23	4.69
5	4.00	-2.00	1.11	3.24	6.50	16% :	-1.04	2.06
7	2.83	-1.50	1.41	4.09	10.59	25% :	-0.45	1.37
10	2.00	-1.00	2.03	5.92	16.51	50% :	1.06	0.48
14	1.41	-0.50	2.67	7.78	24.29	75% :	1.88	0.27
18	1.00	0.00	2.68	7.80	32.09	84% :	2.23	0.21
25	0.71	0.50	2.76	8.05	40.15	95% :	2.79	0.14
35	0.50	1.00	2.75	8.01	48.16			
45	0.35	1.50	5.00	14.58	62.74	Med.	1.06	0.48
60	0.25	2.00	5.56	16.18	78.92	Mean	0.75	0.59
80	0.18	2.50	3.79	11.03	89.95	St Dev.	1.58	
120	0.13	3.00	2.94	8.57	98.53	Skew	-0.30	
170	0.09	3.50	0.30	0.87	99.40	Kurt.	0.88	
200	0.07	3.75	0.02	0.07	99.47			
Pan			0.01	0.03	99.50			
Total			34.15	99.50	99.50			
						Moment	Statistics	
							Phi	mm
Cu =	4.03		Gravel		5 %	Mean	0.65	0.64
			Coarse	Sand	12 %	St. Dev.	1.59	0.33
			Med.	Sand	39 %	Skewness	-0.72	
Cc =	0.73		Fine	Sand	44 %	Kurtosis	2.93	

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

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
12.0'	-28.7' MLLW	Medium to fine sand (SP)	Amelia Island Stabilization Project
			AREA Amelia Island, Georgia
			BORING NO. A-8
			DATE June 2001