

Sediment Analysis Data Sheet

Sample A-3-6.0

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	0.00	0.00	0.00			
	5.66	-2.50	0.00	0.00	0.00	5% :	2.35	0.20
5	4.00	-2.00	0.00	0.00	0.00	16% :	2.60	0.16
7	2.83	-1.50	0.06	0.18	0.18	25% :	2.70	0.15
10	2.00	-1.00	0.05	0.14	0.32	50% :	2.98	0.13
14	1.41	-0.50	0.02	0.06	0.38	75% :	3.27	0.10
18	1.00	0.00	0.02	0.05	0.43	84% :	3.38	0.10
25	0.71	0.50	0.03	0.09	0.52	95% :	3.43	0.09
35	0.50	1.00	0.04	0.13	0.65			
45	0.35	1.50	0.07	0.23	0.87	Med.	2.98	0.13
60	0.25	2.00	0.15	0.46	1.34	Mean	2.99	0.13
80	0.18	2.50	1.68	5.20	6.54	St Dev.	0.36	
120	0.13	3.00	14.73	45.63	52.17	Skew	-0.06	
170	0.09	3.50	13.49	41.79	93.96	Kurt.	0.78	
200	0.07	3.75	0.91	2.82	96.78			
Pan			0.07	0.22	97.00			
Total			31.31	97.00	97.00			
						Moment	Statistics	
							Phi	mm
Cu =	1.50		Gravel		0 %	Mean	2.93	0.13
			Coarse	Sand	0 %	St. Dev.	0.46	0.73
			Med.	Sand	0 %	Skewness	-4.01	
Cc =	0.93		Fine	Sand	96 %	Kurtosis	37.37	

SEA, INC.

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

IN INCHES

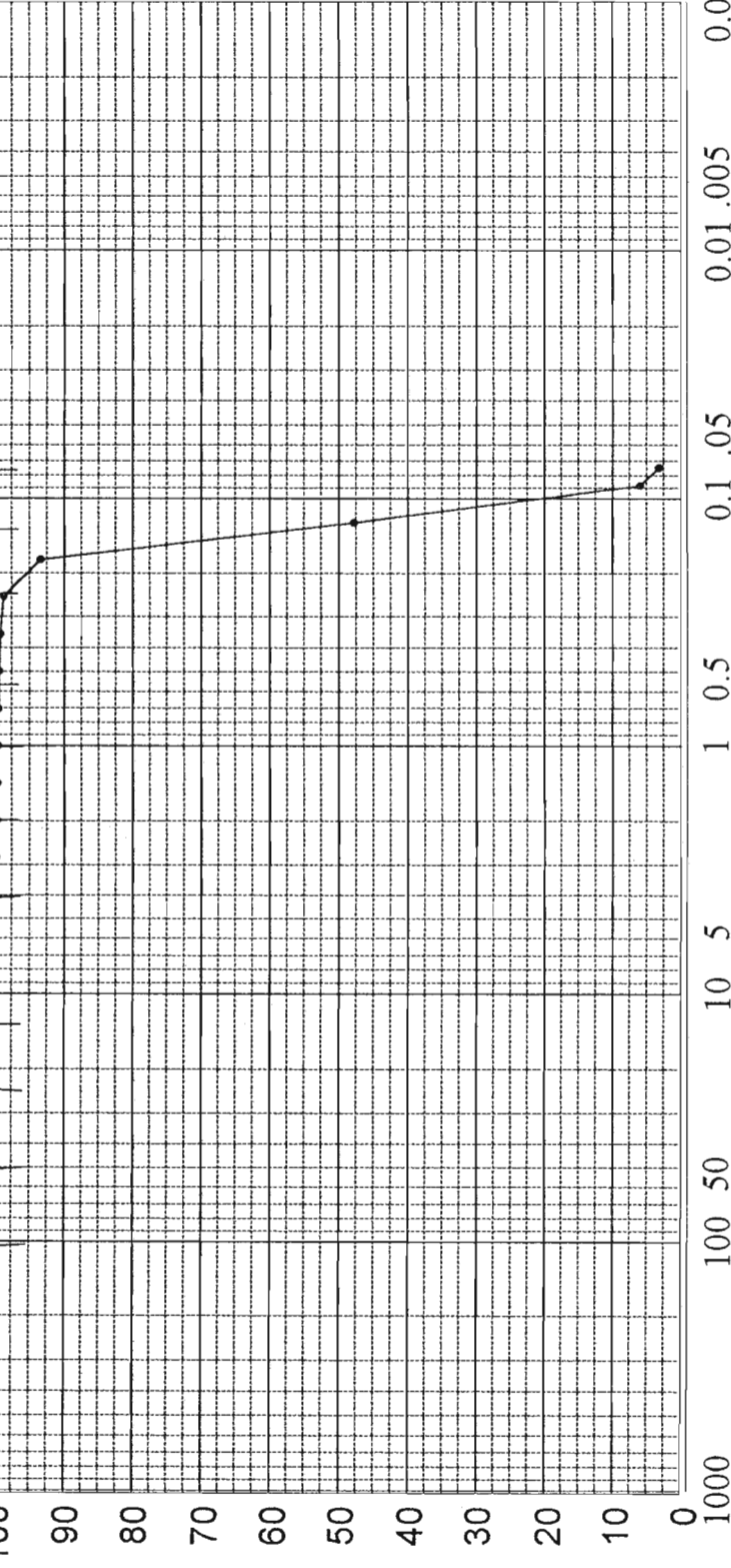
100 90 80 70 60 50 40 30 20 10 0

1000 100 50 10 5 2 1 1/2

PERCENT FINER BY WEIGHT

0 10 20 30 40 50 60 70 80 90 100

PERCENT COARSER 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		
6.0'	-16.9' MLLW	Fine sand (SP)					AREA	Amelia Island, Georgia	
							BORING NO.	A-3	
							DATE	June 2001	

Sediment Analysis Data Sheet

Sample A-3-9.0

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	0.00	0.00	0.00			
	5.66	-2.50	0.18	0.56	0.56	5% :	2.12	0.23
5	4.00	-2.00	0.21	0.63	1.19	16% :	2.56	0.17
7	2.83	-1.50	0.31	0.96	2.14	25% :	2.64	0.16
10	2.00	-1.00	0.16	0.50	2.64	50% :	2.86	0.14
14	1.41	-0.50	0.10	0.31	2.96	75% :	3.15	0.11
18	1.00	0.00	0.04	0.12	3.08	84% :	3.30	0.10
25	0.71	0.50	0.03	0.09	3.16	95% :	3.49	0.09
35	0.50	1.00	0.03	0.08	3.24			
45	0.35	1.50	0.04	0.11	3.35	Med.	2.86	0.14
60	0.25	2.00	0.09	0.28	3.64	Mean	2.91	0.13
80	0.18	2.50	1.80	5.51	9.15	St Dev.	0.39	
120	0.13	3.00	18.60	57.00	66.14	Skew	0.06	
170	0.09	3.50	9.63	29.50	95.65	Kurt.	1.10	
200	0.07	3.75	0.61	1.86	97.50			
Pan			0.03	0.10	97.60			
Total			31.86	97.60	97.60			
						Moment	Statistics	
							Phi	mm
Cu =	1.55		Gravel		1 %	Mean	2.74	0.15
			Coarse	Sand	2 %	St. Dev.	0.89	0.54
			Med.	Sand	1 %	Skewness	-4.43	
Cc =	1.03		Fine	Sand	94 %	Kurtosis	24.35	

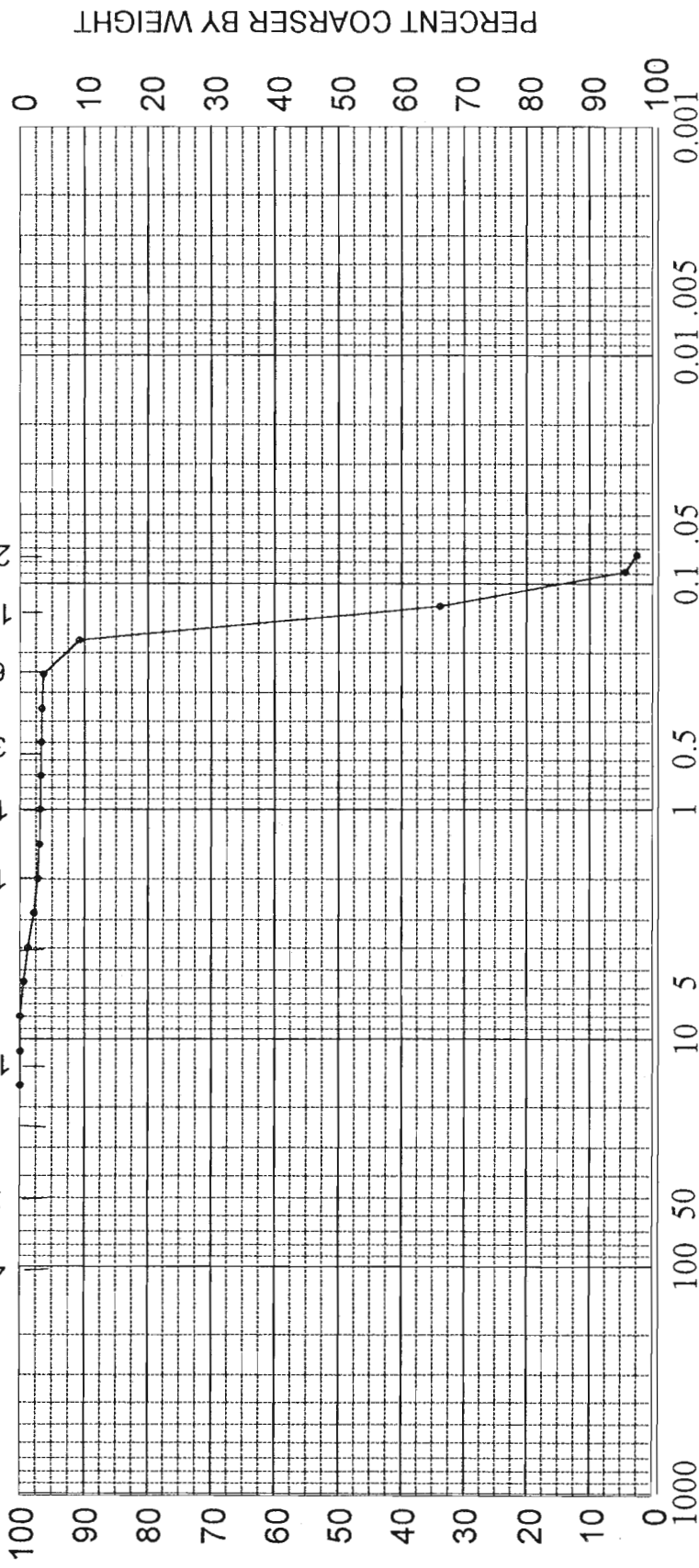
SEA, INC.

HYDROMETER

U.S. STANDARD SIEVE NUMBERS

U.S. STANDARD SIEVE OPENING
IN INCHES

200
120
60
35
18
10
5
1/2
1
2
4



PHI

GRAVEL

COBBLES

COARSE

FINE

SAND

COARSE

MEDIUM

FINE

SILT OR CLAY

SAMPLE NO.	ELEV.	CLASSIFICATION			PROJECT Amelia Island Stabilization Project	
	9.0'	Fine sand (SP)			AREA	Amelia Island, Georgia
					BORING NO.	A-3
					DATE	June 2001