

Sediment Analysis Data Sheet

Sample A-7-7.5

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	2.08	6.03	6.03	5% :	-2.59	6.00
5	4.00	-2.00	1.04	3.01	9.04	16% :	-1.37	2.59
7	2.83	-1.50	1.91	5.55	14.59	25% :	-0.76	1.69
10	2.00	-1.00	1.89	5.48	20.07	50% :	0.66	0.63
14	1.41	-0.50	3.49	10.12	30.19	75% :	1.67	0.31
18	1.00	0.00	2.79	8.10	38.30	84% :	1.95	0.26
25	0.71	0.50	3.01	8.72	47.02	95% :	2.68	0.16
35	0.50	1.00	3.22	9.34	56.36			
45	0.35	1.50	4.54	13.16	69.52	Med.	0.66	0.63
60	0.25	2.00	5.51	15.98	85.50	Mean	0.41	0.75
80	0.18	2.50	2.79	8.09	93.59	St Dev.	1.63	
120	0.13	3.00	1.38	4.02	97.60	Skew	-0.23	
170	0.09	3.50	0.45	1.31	98.91	Kurt.	0.89	
200	0.07	3.75	0.03	0.09	99.00			
Pan			0.00	0.00	99.00			
Total			34.12	99.00	99.00			
						Moment	Statistics	
							Phi	mm
Cu =	4.53		Gravel		8 %	Mean	0.38	0.77
			Coarse	Sand	13 %	St. Dev.	1.56	0.34
			Med.	Sand	43 %	Skewness	-0.39	
Cc =	0.64		Fine	Sand	36 %	Kurtosis	2.21	

SEA, INC.

HYDROMETER

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

IN INCHES

200

120

60

35

18

10

5

1/2

1

2

4

100

90

80

70

60

50

40

30

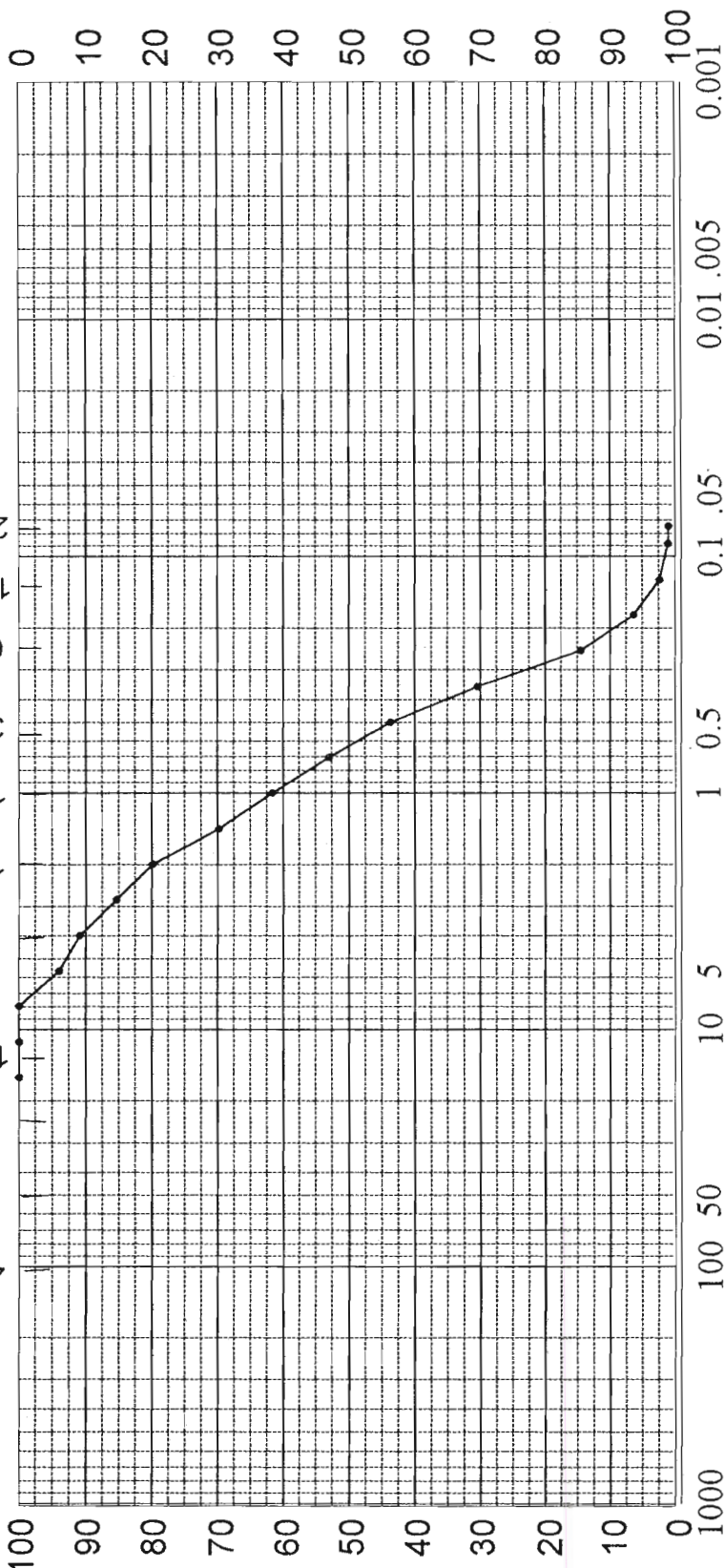
20

10

0

PERCENT FINER BY WEIGHT

PERCENT COARSER BY WEIGHT



GRAIN SIZE IN MILLIMETERS



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION				PROJECT Amelia Island Stabilization Project	
7.5'	-38.1' MLLW	Medium to fine sand (SP)				AREA	Amelia Island, Georgia
						BORING NO.	A-7
						DATE	June 2001

Sediment Analysis Data Sheet

Sample A-7-12.5

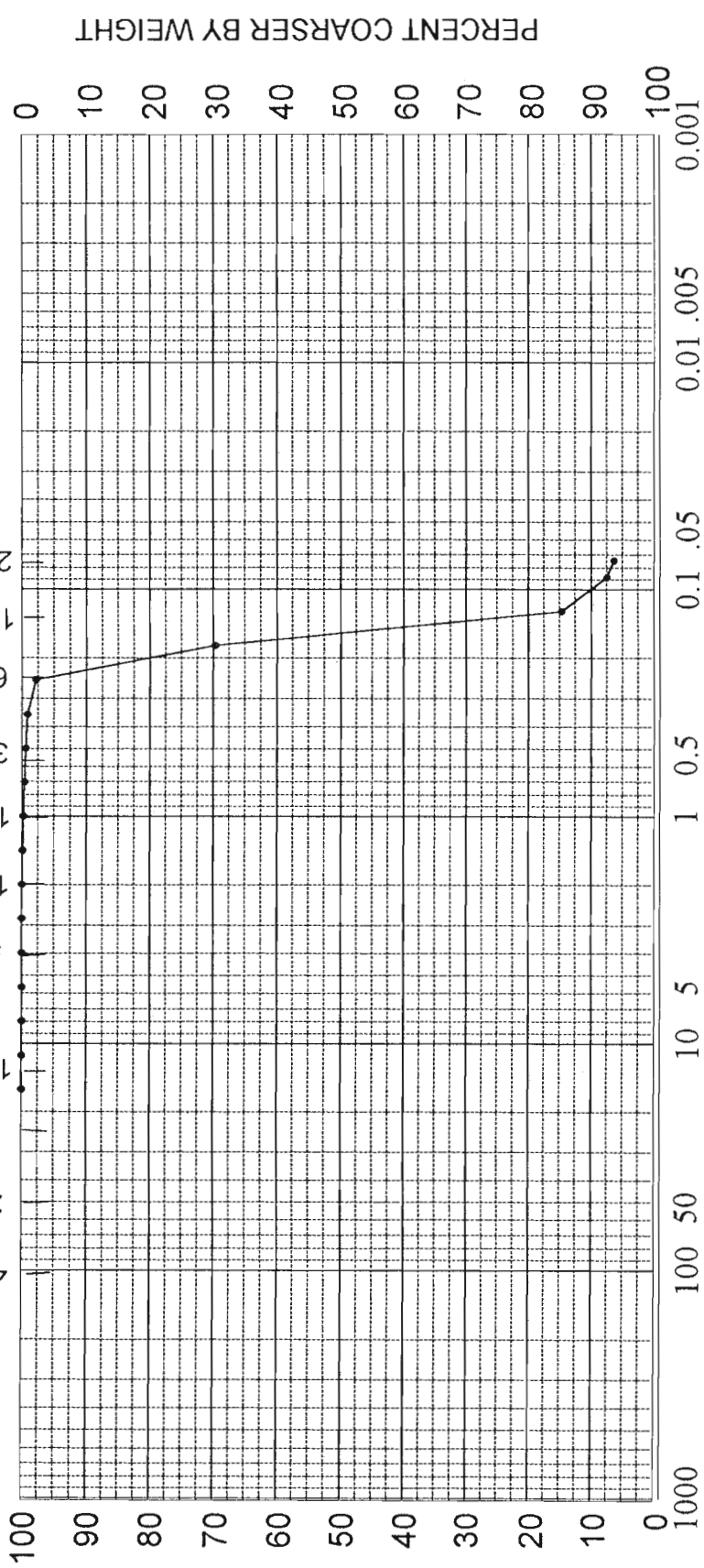
Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics phi	mm
	16.00	-4.00	0.00	0.00	0.00			
	11.31	-3.50	0.00	0.00	0.00			
	8.00	-3.00	0.00	0.00	0.00			
	5.66	-2.50	0.00	0.00	0.00	5% :	2.05	0.24
5	4.00	-2.00	0.00	0.00	0.00	16% :	2.25	0.21
7	2.83	-1.50	0.00	0.00	0.00	25% :	2.41	0.19
10	2.00	-1.00	0.01	0.03	0.03	50% :	2.68	0.16
14	1.41	-0.50	0.03	0.09	0.12	75% :	2.91	0.13
18	1.00	0.00	0.03	0.11	0.23	84% :	2.99	0.13
25	0.71	0.50	0.05	0.16	0.39	95% :	3.77	0.07
35	0.50	1.00	0.06	0.18	0.57			
45	0.35	1.50	0.09	0.29	0.85	Med.	2.68	0.16
60	0.25	2.00	0.41	1.29	2.14	Mean	2.64	0.16
80	0.18	2.50	8.99	28.15	30.29	St Dev.	0.45	
120	0.13	3.00	17.57	55.04	85.32	Skew	0.05	
170	0.09	3.50	2.29	7.18	92.50	Kurt.	1.41	
200	0.07	3.75	0.35	1.10	93.60			
Pan			0.03	0.10	93.70			
Total			29.91	93.70	93.70			
						Moment	Statistics	
							Phi	mm
Cu =	1.67		Gravel		0 %	Mean	2.61	0.16
			Coarse	Sand	0 %	St. Dev.	0.39	0.76
			Med.	Sand	1 %	Skewness	-1.81	
Cc =	1.14		Fine	Sand	93 %	Kurtosis	17.11	

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

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	
12.5'	-43.1' MLLW	Fine sand (SP)				AREA	Amelia Island, Georgia
						BORING NO.	A-7
						DATE	June 2001