

Sediment Analysis Data Sheet

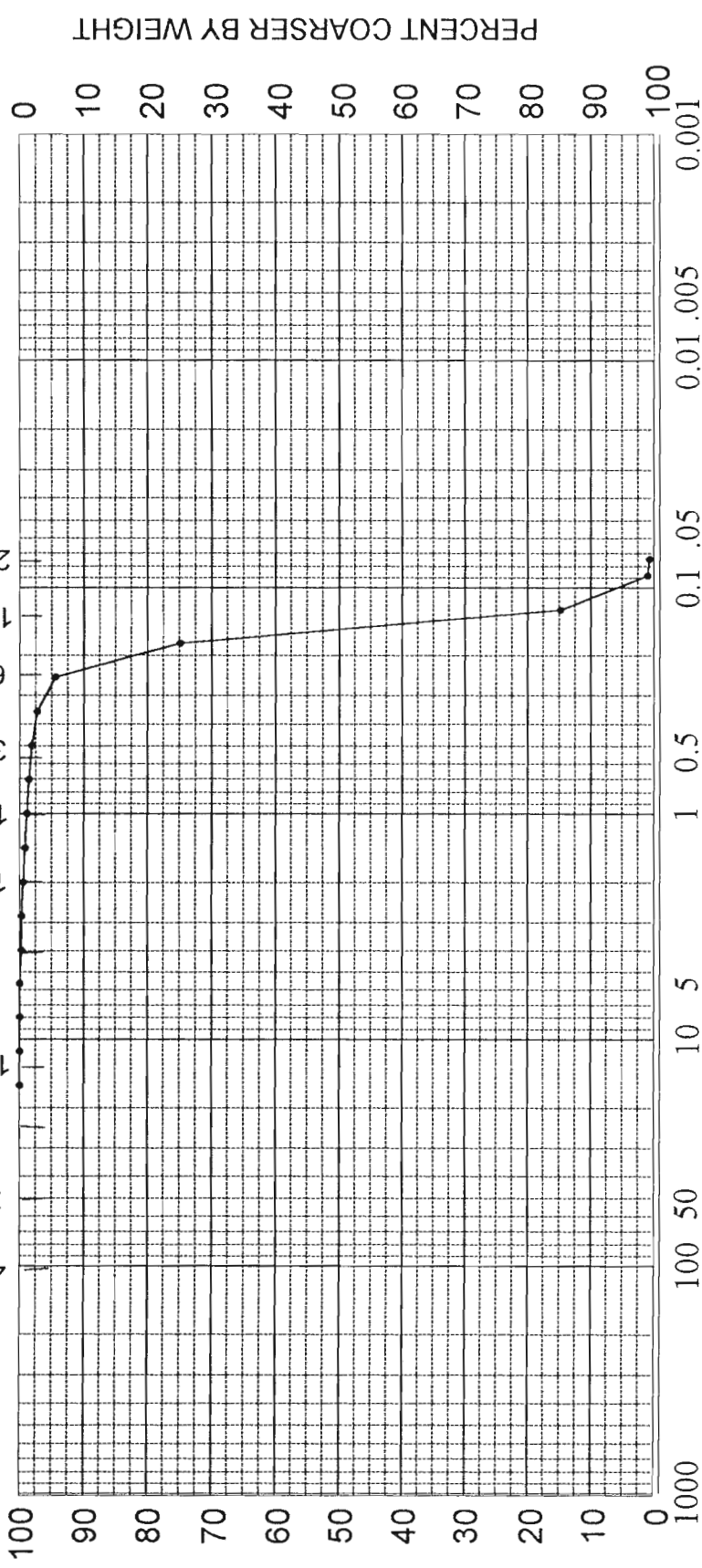
Sample A-27R2-11.0

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% :	1.90	0.27
5	4.00	-2.00	0.09	0.29	0.29	16% :	2.27	0.21
7	2.83	-1.50	0.00	0.00	0.29	25% :	2.50	0.18
10	2.00	-1.00	0.08	0.24	0.54	50% :	2.71	0.15
14	1.41	-0.50	0.09	0.27	0.80	75% :	2.92	0.13
18	1.00	0.00	0.08	0.26	1.07	84% :	2.99	0.13
25	0.71	0.50	0.10	0.30	1.37	95% :	3.36	0.10
35	0.50	1.00	0.14	0.44	1.81			
45	0.35	1.50	0.29	0.91	2.72	Med.	2.71	0.15
60	0.25	2.00	0.90	2.85	5.57	Mean	2.66	0.16
80	0.18	2.50	6.15	19.47	25.05	St Dev.	0.40	
120	0.13	3.00	18.98	60.12	85.17	Skew	-0.16	
170	0.09	3.50	4.36	13.82	98.99	Kurt.	1.43	
200	0.07	3.75	0.09	0.29	99.27			
Pan			0.01	0.03	99.30			
Total			31.35	99.30	99.30			
						Moment	Statistics	
							Phi	mm
Cu =	1.46		Gravel		0 %	Mean	2.62	0.16
			Coarse	Sand	0 %	St. Dev.	0.57	0.67
			Med.	Sand	2 %	Skewness	-3.93	
Cc =	1.04		Fine	Sand	97 %	Kurtosis	27.90	

SEA, INC.

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

IN INCHES



PHI

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION				PROJECT Amelia Island Stabilization Project	
11.0'	-25.0' MLLW	Fine sand (SP)				AREA	Amelia Island, Georgia
						BORING NO.	A-27R2
						DATE	June 2001

Sediment Analysis Data Sheet

Sample A-27R2-14.0

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% :	2.16	0.22
5	4.00	-2.00	0.00	0.00	0.00	16% :	2.51	0.18
7	2.83	-1.50	0.00	0.00	0.00	25% :	2.57	0.17
10	2.00	-1.00	0.00	0.00	0.00	50% :	2.73	0.15
14	1.41	-0.50	0.01	0.03	0.03	75% :	2.90	0.13
18	1.00	0.00	0.00	0.01	0.04	84% :	2.96	0.13
25	0.71	0.50	0.02	0.05	0.09	95% :	3.30	0.10
35	0.50	1.00	0.02	0.07	0.15			
45	0.35	1.50	0.02	0.07	0.22	Med.	2.73	0.15
60	0.25	2.00	0.07	0.23	0.45	Mean	2.73	0.15
80	0.18	2.50	4.53	14.45	14.90	St Dev.	0.29	
120	0.13	3.00	23.49	74.92	89.81	Skew	0.00	
170	0.09	3.50	2.67	8.53	98.34	Kurt.	1.41	
200	0.07	3.75	0.09	0.30	98.64			
Pan			0.02	0.06	98.70			
Total			30.94	98.70	98.70			
						Moment	Statistics	
							Phi	mm
Cu =	1.27		Gravel		0 %	Mean	2.71	0.15
			Coarse	Sand	0 %	St. Dev.	0.27	0.83
			Med.	Sand	0 %	Skewness	-1.41	
Cc =	0.96		Fine	Sand	98 %	Kurtosis	17.66	

SEA, INC.

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

IN INCHES

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

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

GRAIN SIZE IN MILLIMETERS

1000 100 50 10 5 1 0.5 0.1 0.05 0.01 0.005 0.001

PHI

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

COBBLES

GRAVEL

SAND

SILT OR CLAY

CLASSIFICATION

PROJECT Amelia Island Stabilization Project

AREA Amelia Island, Georgia

BORING NO. A-27R2

DATE June 2001

ELEV.

-28.0' MLLW

14.0'

1000 100 50 10 5 1 0.5 0.1 0.05 0.01 0.005 0.001

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 0.0 1.0 2.0 3.0 4.0 5.0

COBBLES

GRAVEL

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ELEV.

-28.0' MLLW

14.0'