

Sediment Analysis Data Sheet

Sample A-20R1-5.0

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	0.56	1.73	1.73	5% :	-0.65	1.57
5	4.00	-2.00	0.21	0.64	2.37	16% :	2.61	0.16
7	2.83	-1.50	0.38	1.16	3.52	25% :	2.77	0.15
10	2.00	-1.00	0.33	1.00	4.52	50% :	3.12	0.11
14	1.41	-0.50	0.22	0.68	5.21	75% :	3.37	0.10
18	1.00	0.00	0.14	0.42	5.62	84% :	3.46	0.09
25	0.71	0.50	0.11	0.33	5.95	95% :	3.69	0.08
35	0.50	1.00	0.07	0.21	6.16			
45	0.35	1.50	0.08	0.25	6.40	Med.	3.12	0.11
60	0.25	2.00	0.17	0.52	6.93	Mean	3.06	0.12
80	0.18	2.50	1.04	3.18	10.11	St Dev.	0.87	
120	0.13	3.00	8.92	27.41	37.52	Skew	-0.48	
170	0.09	3.50	16.56	50.89	88.41	Kurt.	2.98	
200	0.07	3.75	2.43	7.45	95.87			
Pan			0.17	0.53	96.40			
Total			31.37	96.40	96.40			
						Moment	Statistics	
							Phi	mm
Cu =	1.26		Gravel		2 %	Mean	2.77	0.15
			Coarse	Sand	2 %	St. Dev.	1.22	0.43
			Med.	Sand	2 %	Skewness	-3.29	
Cc =	0.84		Fine	Sand	90 %	Kurtosis	13.50	

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

1/2 1 2 4

200 120 60 35 18 10 5

0.001 0.005 0.01 0.05 0.1 0.5 1 2 3 4 5

PERCENT FINER BY WEIGHT

PERCENT COARSER BY WEIGHT

GRAIN SIZE IN MILLIMETERS

PHI

COBBLES

GRAVEL

SAND

SILT OR CLAY

CLASSIFICATION

ELEV.

5.0'

-18.1' MLLW

PROJECT Amelia Island Stabilization Project

AREA Amelia Island, Georgia

BORING NO. A-20R1

DATE June 2001

Sediment Analysis Data Sheet

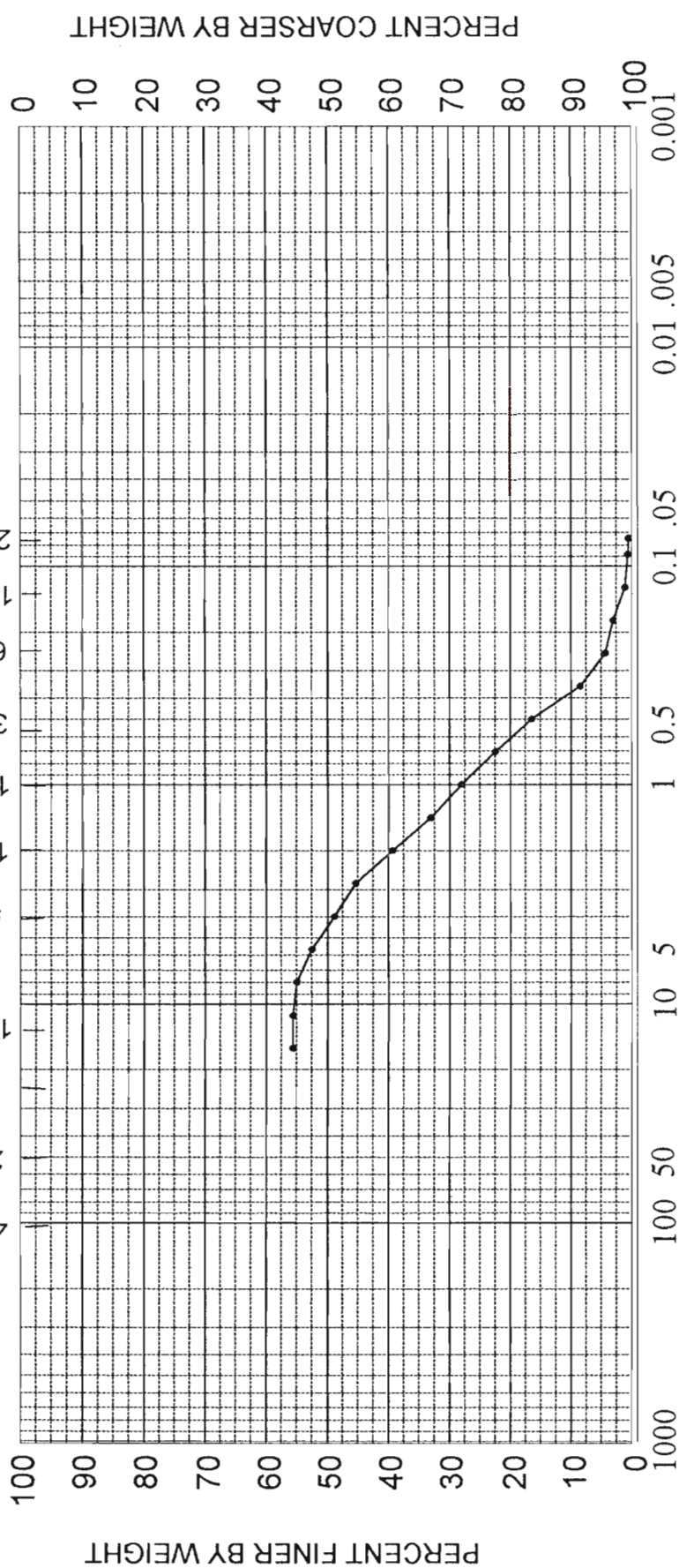
Sample A-20R1-8.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics phi	mm
	16.00	-4.00	15.80	44.33	44.33			
	11.31	-3.50	0.00	0.00	44.33			
	8.00	-3.00	0.21	0.59	44.92			
	5.66	-2.50	0.92	2.57	47.48	5% :	-5.00	32.00
5	4.00	-2.00	1.31	3.67	51.15	16% :	-4.70	25.99
7	2.83	-1.50	1.24	3.47	54.63	25% :	-4.20	18.38
10	2.00	-1.00	2.16	6.06	60.69	50% :	-2.16	4.46
14	1.41	-0.50	2.19	6.15	66.84	75% :	0.27	0.83
18	1.00	0.00	1.82	5.12	71.96	84% :	1.03	0.49
25	0.71	0.50	1.98	5.55	77.51	95% :	1.92	0.26
35	0.50	1.00	2.13	5.99	83.50			
45	0.35	1.50	2.85	8.01	91.51	Med.	-2.16	4.46
60	0.25	2.00	1.47	4.12	95.62	Mean	-1.94	3.84
80	0.18	2.50	0.48	1.35	96.97	St Dev.	2.48	
120	0.13	3.00	0.68	1.91	98.88	Skew	0.15	
170	0.09	3.50	0.17	0.47	99.36	Kurt.	0.63	
200	0.07	3.75	0.02	0.07	99.42			
Pan			0.03	0.08	99.50			
Total			35.46	99.50	99.50			
						Moment	Statistics	
							Phi	mm
Cu =	2.65		Gravel		49 %	Mean	-1.93	3.81
			Coarse	Sand	11 %	St. Dev.	2.36	0.19
			Med.	Sand	27 %	Skewness	0.37	
Cc =	3.45		Fine	Sand	12 %	Kurtosis	1.65	

SEA, INC.

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

IN INCHES



SAMPLE NO.	ELEV.	CLASSIFICATION				PROJECT	
		COBBLES	GRAVEL		SAND	SILT OR CLAY	
			COARSE	FINE	COARSE	MEDIUM	FINE
8.0'	-21.1' MLLW	Quartz sand and carbonate gravel (GP)				Amelia Island Stabilization Project	
						AREA Amelia Island, Georgia	
						BORING NO. A-20R1	
						DATE June 2001	