

Sediment Analysis Data Sheet

Sample A-13R1-6.0

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	0.41	0.99	0.99			
	5.66	-2.50	0.22	0.54	1.52	5% :	-1.23	2.35
5	4.00	-2.00	0.48	1.16	2.69	16% :	0.99	0.50
7	2.83	-1.50	0.56	1.36	4.05	25% :	1.47	0.36
10	2.00	-1.00	0.73	1.77	5.82	50% :	2.20	0.22
14	1.41	-0.50	0.85	2.05	7.87	75% :	2.71	0.15
18	1.00	0.00	0.83	2.01	9.88	84% :	2.85	0.14
25	0.71	0.50	0.89	2.16	12.04	95% :	3.10	0.12
35	0.50	1.00	1.65	4.01	16.05			
45	0.35	1.50	3.95	9.59	25.64	Med.	2.20	0.22
60	0.25	2.00	6.92	16.81	42.45	Mean	2.01	0.25
80	0.18	2.50	7.73	18.78	61.23	St Dev.	1.12	
120	0.13	3.00	13.52	32.84	94.07	Skew	-0.44	
170	0.09	3.50	1.86	4.52	98.59	Kurt.	1.43	
200	0.07	3.75	0.12	0.29	98.87			
Pan			0.01	0.03	98.90			
Total			40.72	98.90	98.90			
						Moment	Statistics	
							Phi	mm
Cu =	2.02		Gravel		2 %	Mean	1.81	0.28
			Coarse	Sand	4 %	St. Dev.	1.30	0.41
			Med.	Sand	15 %	Skewness	-1.80	
Cc =	0.76		Fine	Sand	78 %	Kurtosis	6.24	

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Sediment Analysis Data Sheet

Sample A-13R1-10.0

Sieve	Size (mm)	Phi size	Wt %	Cuml %	Folk	Statistics phi	mm
	16.00	-4.00	0.00	0.00			
	11.31	-3.50	0.00	0.00			
	8.00	-3.00	0.00	0.00			
	5.66	-2.50	0.64	2.32	5%	-1.58	3.00
5	4.00	-2.00	0.49	1.79	16%	2.12	0.23
7	2.83	-1.50	0.30	1.07	25%	2.29	0.20
10	2.00	-1.00	0.12	0.45	50%	2.65	0.16
14	1.41	-0.50	0.20	0.73	75%	2.90	0.13
18	1.00	0.00	0.10	0.38	84%	2.99	0.13
25	0.71	0.50	0.09	0.31	95%	3.39	0.10
35	0.50	1.00	0.11	0.39			
45	0.35	1.50	0.14	0.49	Med.	2.65	0.16
60	0.25	2.00	0.61	2.21	Mean	2.58	0.17
80	0.18	2.50	6.92	25.22	St Dev.	0.97	
120	0.13	3.00	13.64	49.69	Skew	-0.46	
170	0.09	3.50	3.51	12.80	Kurt.	3.37	
200	0.07	3.75	0.24	0.88			
Pan			0.02	0.08			
Total			27.13	98.80			
					Moment	Statistics	
						Phi	mm
Cu =	1.57		Gravel	3 %	Mean	2.32	0.20
			Coarse	Sand 2 %	St. Dev.	1.25	0.42
			Med.	Sand 2 %	Skewness	-2.99	
Cc =	1.03		Fine	Sand 91 %	Kurtosis	11.41	

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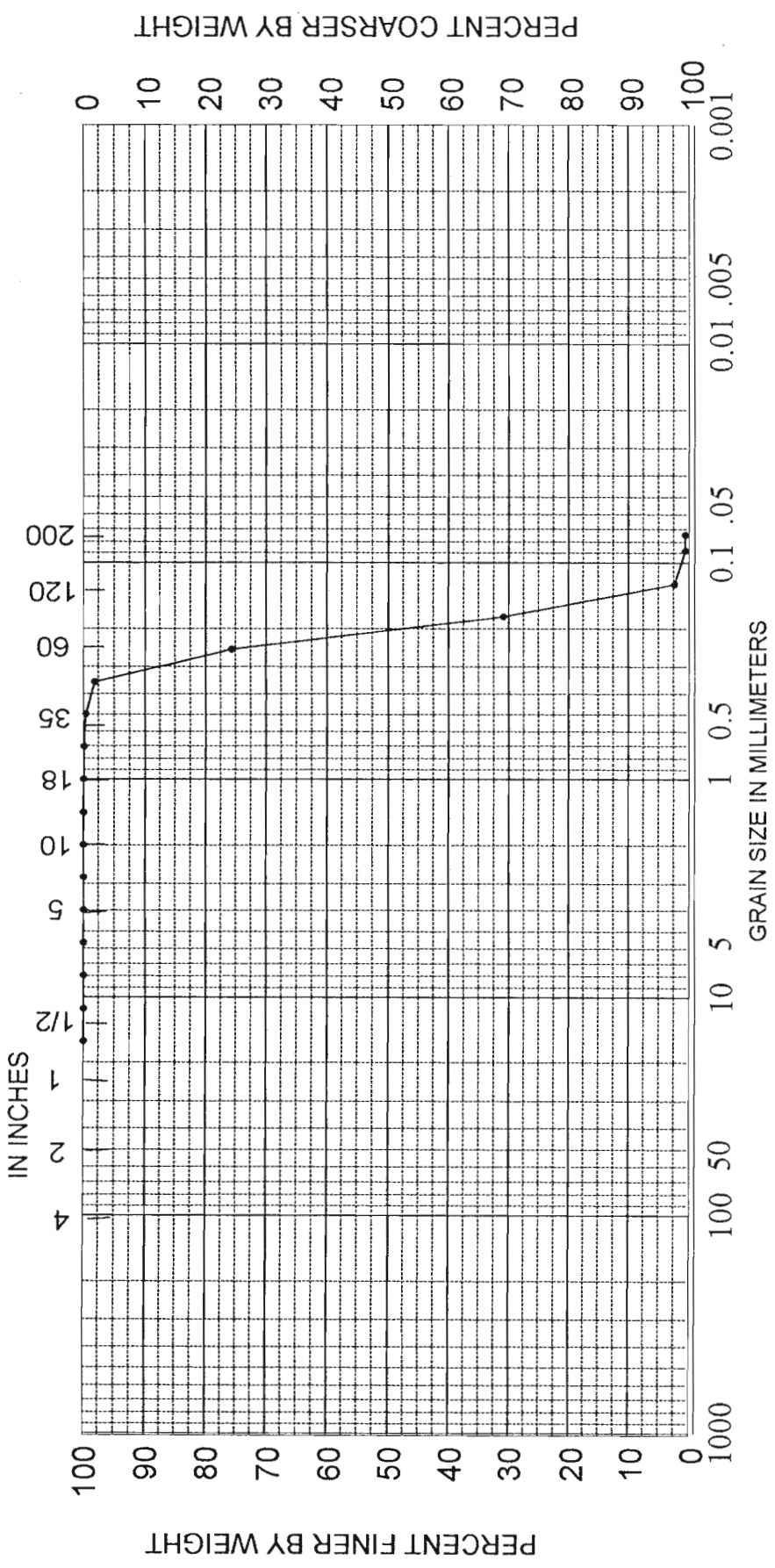
Sediment Analysis Data Sheet

Sample A-13R1-16.0

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% :	1.57	0.34
5	4.00	-2.00	0.00	0.00	0.00	16% :	1.82	0.28
7	2.83	-1.50	0.00	0.00	0.00	25% :	2.01	0.25
10	2.00	-1.00	0.00	0.00	0.00	50% :	2.29	0.20
14	1.41	-0.50	0.00	0.00	0.00	75% :	2.60	0.16
18	1.00	0.00	0.01	0.04	0.04	84% :	2.76	0.15
25	0.71	0.50	0.02	0.05	0.09	95% :	2.95	0.13
35	0.50	1.00	0.09	0.27	0.36			
45	0.35	1.50	0.49	1.46	1.82	Med.	2.29	0.20
60	0.25	2.00	7.45	22.41	24.24	Mean	2.29	0.20
80	0.18	2.50	14.91	44.89	69.12	St Dev.	0.45	
120	0.13	3.00	9.45	28.45	97.58	Skew	-0.02	
170	0.09	3.50	0.58	1.73	99.31	Kurt.	0.95	
200	0.07	3.75	0.03	0.08	99.39			
Pan			0.00	0.01	99.40			
Total			33.02	99.40	99.40			
						Moment	Statistics	
							Phi	mm
Cu =	1.61		Gravel		0 %	Mean	2.28	0.21
			Coarse	Sand	0 %	St. Dev.	0.41	0.75
			Med.	Sand	1 %	Skewness	-0.29	
Cc =	1.01		Fine	Sand	98 %	Kurtosis	3.61	

SEA, INC.

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



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
16.0'	-30.7' MLLW	Fine sand (SP)					AREA Amelia Island, Georgia
							BORING NO. A-13R1
							DATE June 2001