

# Sediment Analysis Data Sheet

Sample A-18-6.0

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% :	0.04	0.97
5	4.00	-2.00	0.48	1.10	1.10	16% :	2.01	0.25
7	2.83	-1.50	0.37	0.84	1.94	25% :	2.33	0.20
10	2.00	-1.00	0.41	0.94	2.88	50% :	2.85	0.14
14	1.41	-0.50	0.48	1.10	3.97	75% :	3.20	0.11
18	1.00	0.00	0.42	0.95	4.93	84% :	3.31	0.10
25	0.71	0.50	0.40	0.90	5.83	95% :	3.45	0.09
35	0.50	1.00	0.69	1.57	7.40			
45	0.35	1.50	1.36	3.09	10.49	Med.	2.85	0.14
60	0.25	2.00	2.28	5.19	15.68	Mean	2.72	0.15
80	0.18	2.50	6.20	14.12	29.80	St Dev.	0.84	
120	0.13	3.00	12.77	29.08	58.88	Skew	-0.46	
170	0.09	3.50	17.57	40.01	98.89	Kurt.	1.60	
200	0.07	3.75	0.13	0.29	99.18			
Pan			0.01	0.02	99.20			
Total			43.57	99.20	99.20			
						Moment	Statistics	
							Phi	mm
Cu =	1.64		Gravel		1 %	Mean	2.53	0.17
			Coarse	Sand	2 %	St. Dev.	1.07	0.47
			Med.	Sand	6 %	Skewness	-2.51	
Cc =	0.86		Fine	Sand	90 %	Kurtosis	9.76	

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# Sediment Analysis Data Sheet

Sample A-18-9.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics phi	mm
	16.00	-4.00	11.53	35.50	35.50			
	11.31	-3.50	0.00	0.00	35.50			
	8.00	-3.00	0.14	0.44	35.95			
	5.66	-2.50	1.37	4.21	40.16	5% :	0.00	1.00
5	4.00	-2.00	1.61	4.94	45.10	16% :	0.00	1.00
7	2.83	-1.50	2.69	8.28	53.38	25% :	0.00	1.00
10	2.00	-1.00	2.08	6.39	59.78	50% :	-1.70	3.26
14	1.41	-0.50	2.57	7.90	67.68	75% :	0.50	0.71
18	1.00	0.00	1.39	4.29	71.97	84% :	2.14	0.23
25	0.71	0.50	0.98	3.02	74.99	95% :	2.88	0.14
35	0.50	1.00	1.00	3.07	78.06			
45	0.35	1.50	0.96	2.97	81.03	Med.	-1.70	3.26
60	0.25	2.00	0.57	1.75	82.78	Mean	0.15	0.90
80	0.18	2.50	1.41	4.35	87.12	St Dev.	0.97	
120	0.13	3.00	3.33	10.24	97.37	Skew	2.39	
170	0.09	3.50	0.68	2.08	99.45	Kurt.	2.36	
200	0.07	3.75	0.03	0.10	99.55			
Pan			0.02	0.05	99.60			
Total			32.35	99.60	99.60			
						Moment	Statistics	
							Phi	mm
Cu =	35.73		Gravel		43 %	Mean	-1.50	2.83
			Coarse	Sand	17 %	St. Dev.	2.56	0.17
			Med.	Sand	20 %	Skewness	0.41	
Cc =	1.50		Fine	Sand	20 %	Kurtosis	1.84	

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# Sediment Analysis Data Sheet

Sample A-18-13.0

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% :	2.06	0.24
5	4.00	-2.00	0.00	0.00	0.00	16% :	2.30	0.20
7	2.83	-1.50	0.00	0.00	0.00	25% :	2.50	0.18
10	2.00	-1.00	0.00	0.00	0.00	50% :	2.70	0.15
14	1.41	-0.50	0.01	0.04	0.04	75% :	2.89	0.13
18	1.00	0.00	0.01	0.03	0.07	84% :	2.97	0.13
25	0.71	0.50	0.02	0.07	0.13	95% :	3.34	0.10
35	0.50	1.00	0.04	0.12	0.26			
45	0.35	1.50	0.11	0.36	0.62	Med.	2.70	0.15
60	0.25	2.00	0.49	1.60	2.22	Mean	2.66	0.16
80	0.18	2.50	6.91	22.71	24.93	St Dev.	0.36	
120	0.13	3.00	19.32	63.52	88.44	Skew	-0.09	
170	0.09	3.50	2.89	9.51	97.95	Kurt.	1.34	
200	0.07	3.75	0.12	0.38	98.33			
Pan			0.02	0.07	98.40			
Total			29.93	98.40	98.40			
						Moment	Statistics	
							Phi	mm
Cu =	1.38		Gravel		0 %	Mean	2.66	0.16
			Coarse	Sand	0 %	St. Dev.	0.34	0.79
			Med.	Sand	0 %	Skewness	-1.28	
Cc =	0.99		Fine	Sand	98 %	Kurtosis	11.38	

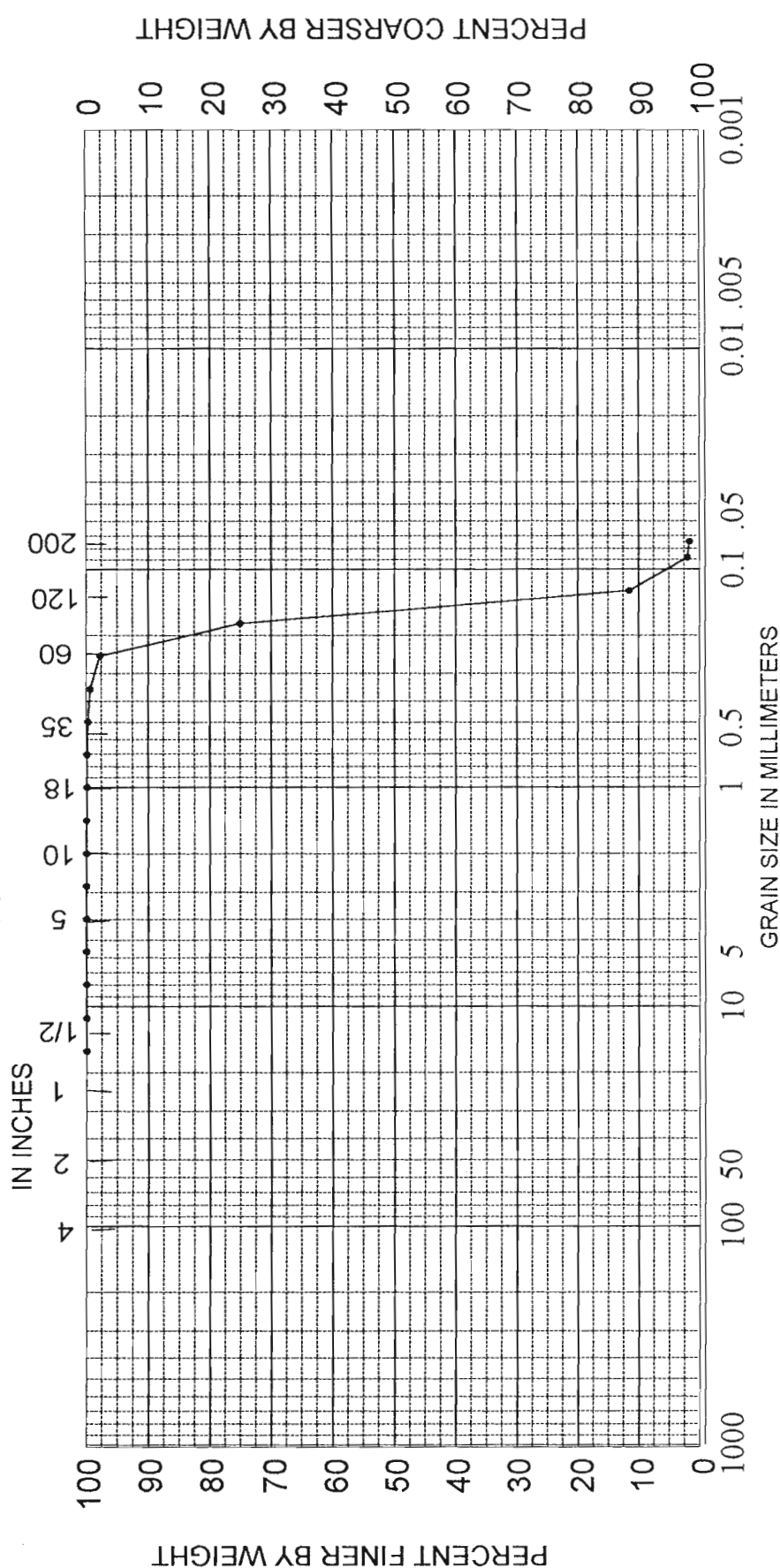
SEA, INC.



HYDROMETER

U.S. STANDARD SIEVE NUMBERS

U.S. STANDARD SIEVE OPENING  
IN INCHES



PHI

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT Amelia Island Stabilization Project		
13.0'	-20.2' MLLW	Fine sand (SP)	AREA	Amelia Island, Georgia	
			BORING NO.	A-18	
			DATE	June 2001	