

Sediment Analysis Data Sheet

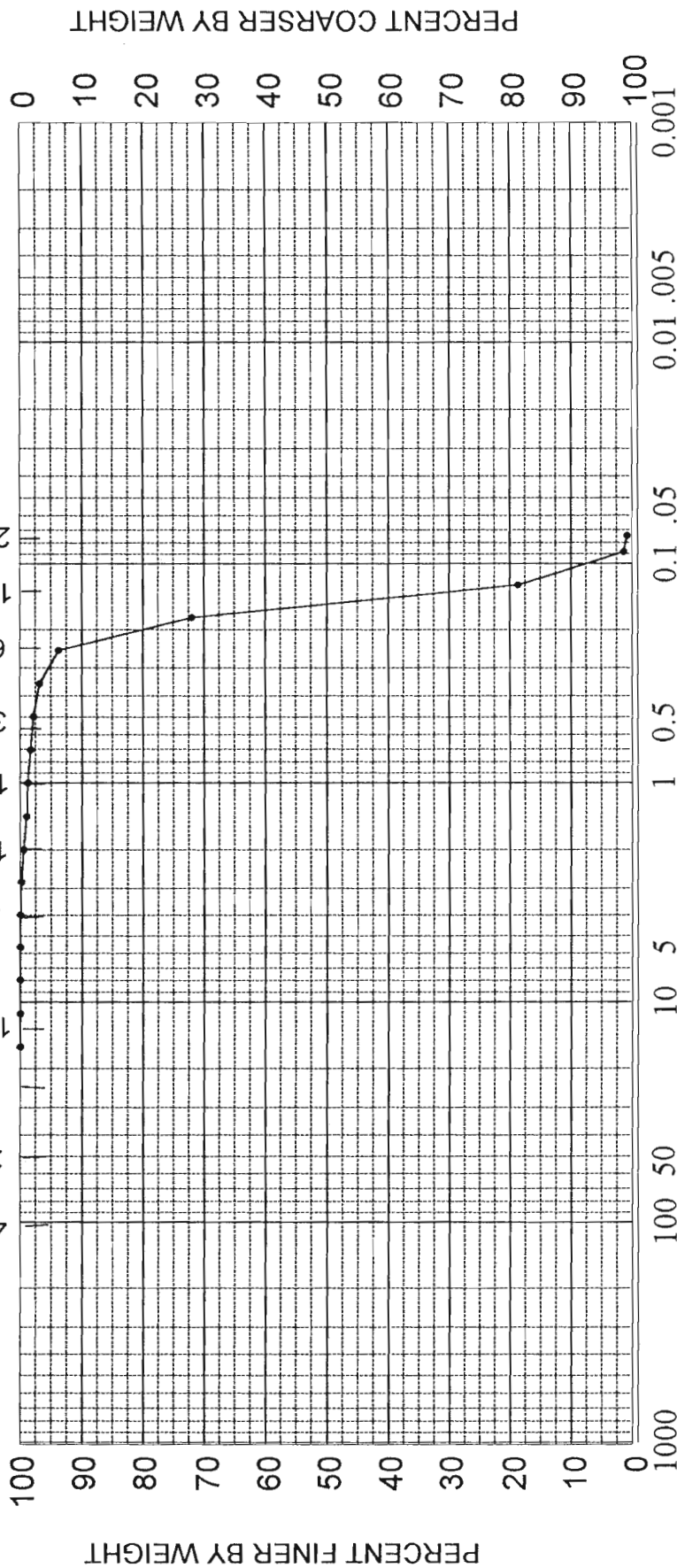
Sample A-28-6.0

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% :	1.80	0.29
5	4.00	-2.00	0.00	0.00	0.00	16% :	2.22	0.21
7	2.83	-1.50	0.06	0.18	0.18	25% :	2.43	0.19
10	2.00	-1.00	0.11	0.37	0.55	50% :	2.71	0.15
14	1.41	-0.50	0.13	0.42	0.97	75% :	2.94	0.13
18	1.00	0.00	0.09	0.28	1.25	84% :	3.08	0.12
25	0.71	0.50	0.12	0.40	1.65	95% :	3.40	0.10
35	0.50	1.00	0.16	0.52	2.17			
45	0.35	1.50	0.29	0.94	3.11	Med.	2.71	0.15
60	0.25	2.00	0.97	3.13	6.24	Mean	2.67	0.16
80	0.18	2.50	6.70	21.71	27.95	St Dev.	0.45	
120	0.13	3.00	16.48	53.41	81.35	Skew	-0.13	
170	0.09	3.50	5.33	17.27	98.62	Kurt.	1.28	
200	0.07	3.75	0.16	0.53	99.15			
Pan			0.02	0.05	99.20			
Total			30.61	99.20	99.20			
						Moment	Statistics	
							Phi	mm
Cu =	1.56		Gravel		0 %	Mean	2.62	0.16
			Coarse	Sand	1 %	St. Dev.	0.60	0.66
			Med.	Sand	2 %	Skewness	-3.19	
Cc =	1.05		Fine	Sand	97 %	Kurtosis	19.53	

SEA, INC.

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

IN INCHES



Sediment Analysis Data Sheet

Sample A-28-9.0

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	0.21	0.64	0.64			
	5.66	-2.50	1.41	4.30	4.93	5% :	-2.49	5.63
5	4.00	-2.00	1.54	4.70	9.64	16% :	-1.54	2.91
7	2.83	-1.50	2.28	6.95	16.59	25% :	-1.04	2.05
10	2.00	-1.00	2.97	9.06	25.64	50% :	1.57	0.34
14	1.41	-0.50	2.45	7.48	33.13	75% :	2.56	0.17
18	1.00	0.00	1.69	5.15	38.28	84% :	2.75	0.15
25	0.71	0.50	1.21	3.69	41.97	95% :	2.97	0.13
35	0.50	1.00	1.01	3.07	45.05			
45	0.35	1.50	1.27	3.89	48.93	Med.	1.57	0.34
60	0.25	2.00	2.57	7.83	56.77	Mean	0.92	0.53
80	0.18	2.50	4.99	15.22	71.99	St Dev.	1.90	
120	0.13	3.00	7.98	24.36	96.36	Skew	-0.47	
170	0.09	3.50	0.98	3.00	99.36	Kurt.	0.62	
200	0.07	3.75	0.04	0.11	99.47			
Pan			0.01	0.03	99.50			
Total			32.59	99.50	99.50			
						Moment	Statistics	
							Phi	mm
Cu =	6.22		Gravel		7 %	Mean	0.79	0.58
			Coarse	Sand	18 %	St. Dev.	1.92	0.26
			Med.	Sand	21 %	Skewness	-0.43	
Cc =	0.29		Fine	Sand	52 %	Kurtosis	1.69	

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

100

90

80

70

60

50

40

30

20

10

0

PERCENT FINER BY WEIGHT

PERCENT COARSER BY WEIGHT

0 10 20 30 40 50 60 70 80 90 100

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	
9.0'	-11.2' MLLW	Well graded sand (SP)				AREA	Amelia Island, Georgia
						BORING NO.	A-28
						DATE	June 2001

Sediment Analysis Data Sheet

Sample A-28-15.0

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	0.53	1.67	1.67			
	5.66	-2.50	0.16	0.51	2.19	5% :	1.25	0.42
5	4.00	-2.00	0.00	0.00	2.19	16% :	2.04	0.24
7	2.83	-1.50	0.11	0.35	2.54	25% :	2.13	0.23
10	2.00	-1.00	0.25	0.77	3.30	50% :	2.37	0.19
14	1.41	-0.50	0.21	0.65	3.95	75% :	2.69	0.16
18	1.00	0.00	0.05	0.15	4.10	84% :	2.82	0.14
25	0.71	0.50	0.11	0.35	4.45	95% :	2.99	0.13
35	0.50	1.00	0.07	0.21	4.66			
45	0.35	1.50	0.22	0.69	5.34	Med.	2.37	0.19
60	0.25	2.00	2.04	6.41	11.75	Mean	2.41	0.19
80	0.18	2.50	16.32	51.20	62.95	St Dev.	0.46	
120	0.13	3.00	10.32	32.39	95.34	Skew	-0.07	
170	0.09	3.50	1.28	4.01	99.35	Kurt.	1.28	
200	0.07	3.75	0.04	0.13	99.47			
Pan			0.01	0.03	99.50			
Total			31.71	99.50	99.50			
						Moment	Statistics	
							Phi	mm
Cu =	1.56		Gravel		2 %	Mean	2.22	0.21
			Coarse	Sand	1 %	St. Dev.	1.01	0.50
			Med.	Sand	2 %	Skewness	-3.95	
Cc =	0.98		Fine	Sand	94 %	Kurtosis	20.06	

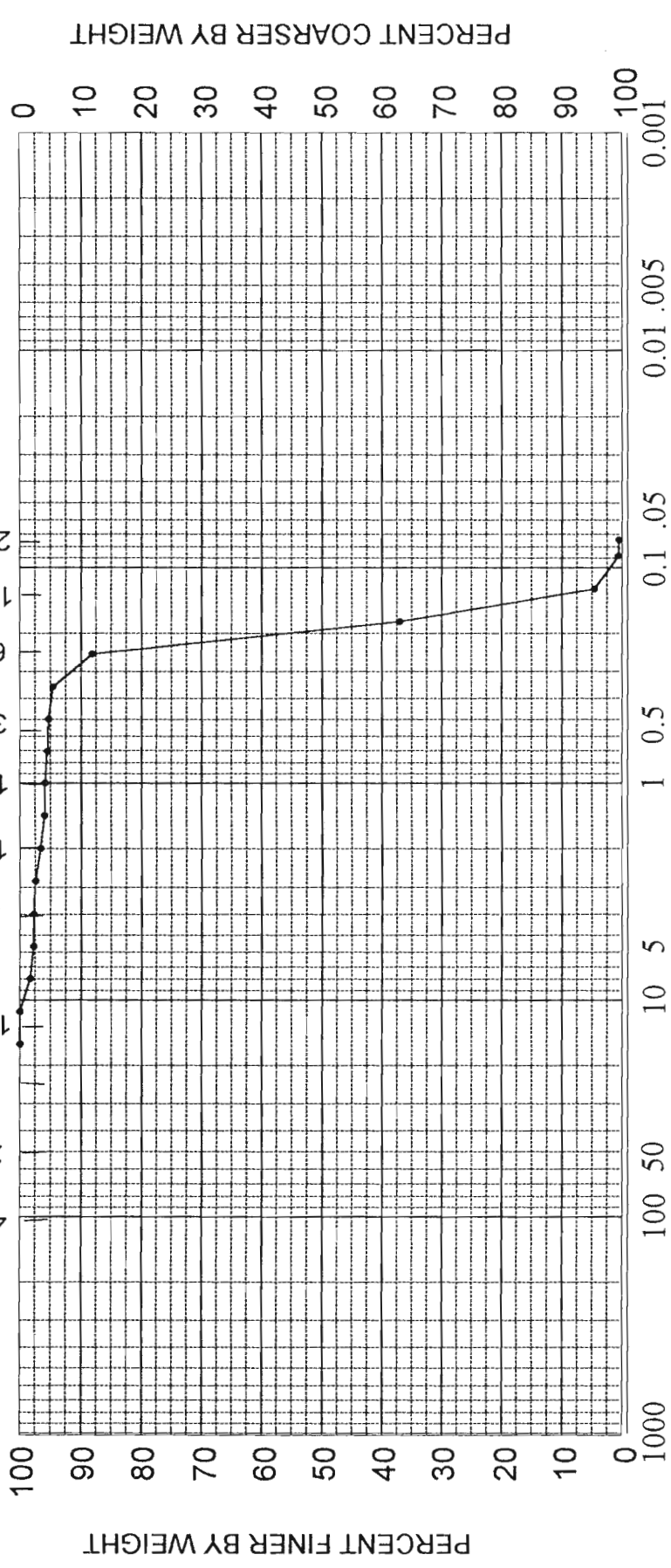
SEA, INC.

HYDROMETER

U.S. STANDARD SIEVE NUMBERS

U.S. STANDARD SIEVE OPENING
IN INCHES

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



PHI

GRAIN SIZE IN MILLIMETERS

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT
15.0'	-17.2' MLLW	Fine sand (SP)	Amelia Island Stabilization Project
			AREA Amelia Island, Georgia
			BORING NO. A-28
			DATE June 2001