

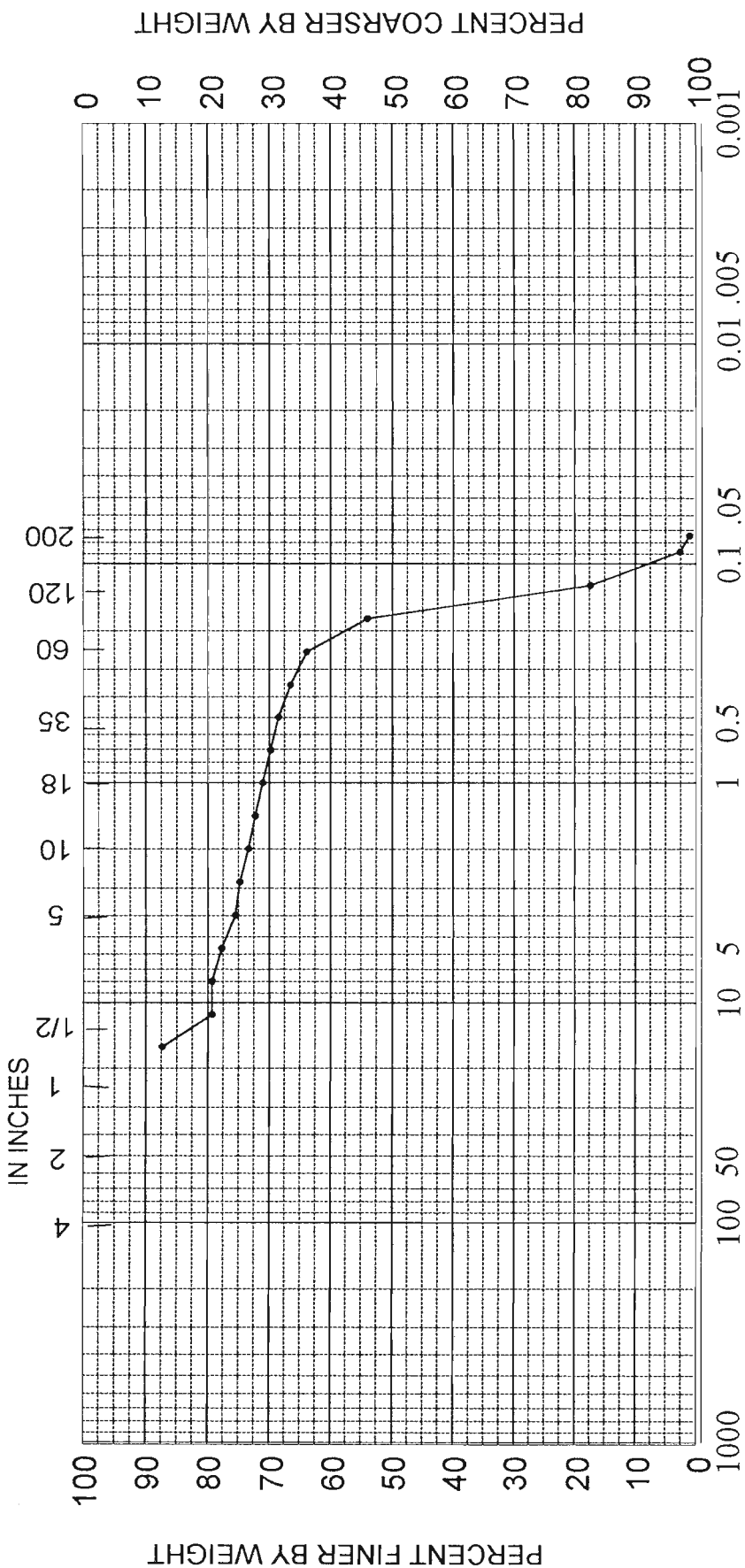
# Sediment Analysis Data Sheet

Sample A-14-0.5

Sieve	Size (mm)	Phi size	Wt %	Wt %	Cuml %	Folk	Statistics phi	mm
	16.00	-4.00	3.94	12.54	12.54			
	11.31	-3.50	2.54	8.10	20.63			
	8.00	-3.00	0.00	0.00	20.63			
	5.66	-2.50	0.50	1.59	22.22	5% :	0.00	1.00
5	4.00	-2.00	0.70	2.23	24.45	16% :	-3.79	13.80
7	2.83	-1.50	0.21	0.68	25.13	25% :	-1.59	3.02
10	2.00	-1.00	0.46	1.45	26.58	50% :	2.55	0.17
14	1.41	-0.50	0.35	1.11	27.69	75% :	2.90	0.13
18	1.00	0.00	0.36	1.16	28.85	84% :	3.05	0.12
25	0.71	0.50	0.41	1.30	30.15	95% :	3.42	0.09
35	0.50	1.00	0.41	1.31	31.46			
45	0.35	1.50	0.60	1.91	33.37	Med.	2.55	0.17
60	0.25	2.00	0.84	2.67	36.04	Mean	0.60	0.66
80	0.18	2.50	3.13	9.98	46.02	St Dev.	2.23	
120	0.13	3.00	11.50	36.62	82.64	Skew	-0.67	
170	0.09	3.50	4.61	14.69	97.34	Kurt.	0.31	
200	0.07	3.75	0.50	1.59	98.92			
Pan			0.02	0.08	99.00			
Total			31.08	99.00	99.00			
						Moment	Statistics	
							Phi	mm
Cu =	2.07		Gravel	23	%	Mean	0.89	0.54
			Coarse	3	%	St. Dev.	2.86	0.14
			Med.	6	%	Skewness	-0.95	
Cc =	0.87		Fine	67	%	Kurtosis	2.14	

SEA, INC.

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



PHI

GRAIN SIZE IN MILLIMETERS

SAMPLE NO.	ELEV.	COBBLES	GRAVEL				SAND			SILT OR CLAY	PROJECT	
			COARSE		FINE		COARSE	MEDIUM	FINE			
0.5'		-19.3 ' MLLW	Fine sand and carbonate gravel (SP)								AREA	Amelia Island, Georgia
											BORING NO.	A-14
											DATE	June 2001

# Sediment Analysis Data Sheet

Sample A-14-3.0

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% :	2.09	0.24
5	4.00	-2.00	0.00	0.00	0.00	16% :	2.33	0.20
7	2.83	-1.50	0.02	0.05	0.05	25% :	2.51	0.18
10	2.00	-1.00	0.03	0.09	0.14	50% :	2.69	0.15
14	1.41	-0.50	0.01	0.04	0.18	75% :	2.88	0.14
18	1.00	0.00	0.03	0.10	0.28	84% :	2.95	0.13
25	0.71	0.50	0.03	0.08	0.36	95% :	3.24	0.11
35	0.50	1.00	0.02	0.05	0.41			
45	0.35	1.50	0.03	0.09	0.50	Med.	2.69	0.15
60	0.25	2.00	0.17	0.53	1.03	Mean	2.66	0.16
80	0.18	2.50	7.37	22.87	23.90	St Dev.	0.33	
120	0.13	3.00	21.70	67.34	91.24	Skew	-0.12	
170	0.09	3.50	2.48	7.70	98.94	Kurt.	1.28	
200	0.07	3.75	0.11	0.34	99.28			
Pan			0.01	0.02	99.30			
Total			32.00	99.30	99.30			
						Moment	Statistics	
							Phi	mm
Cu =	1.29		Gravel	0	%	Mean	2.66	0.16
			Coarse	Sand	0	%	St. Dev.	0.35
			Med.	Sand	0	%	Skewness	-3.48
Cc =	0.95		Fine	Sand	99	%	Kurtosis	37.92

SEA, INC.



# Sediment Analysis Data Sheet

Sample A-14-9.0

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	0.00	0.00	0.00			
	5.66	-2.50	0.00	0.00	0.00	5% :	2.02	0.25
5	4.00	-2.00	0.00	0.00	0.00	16% :	2.14	0.23
7	2.83	-1.50	0.00	0.00	0.00	25% :	2.24	0.21
10	2.00	-1.00	0.00	0.01	0.01	50% :	2.52	0.17
14	1.41	-0.50	0.00	0.00	0.01	75% :	2.78	0.15
18	1.00	0.00	0.01	0.03	0.05	84% :	2.88	0.14
25	0.71	0.50	0.01	0.02	0.07	95% :	3.00	0.13
35	0.50	1.00	0.01	0.04	0.11			
45	0.35	1.50	0.06	0.18	0.29	Med.	2.52	0.17
60	0.25	2.00	0.95	2.93	3.23	Mean	2.51	0.18
80	0.18	2.50	14.46	44.85	48.07	St Dev.	0.33	
120	0.13	3.00	15.28	47.40	95.47	Skew	-0.03	
170	0.09	3.50	1.12	3.48	98.95	Kurt.	0.74	
200	0.07	3.75	0.04	0.11	99.06			
Pan			0.01	0.04	99.10			
Total			31.95	99.10	99.10			
						Moment	Statistics	
							Phi	mm
Cu =	1.45		Gravel		0 %	Mean	2.51	0.18
			Coarse	Sand	0 %	St. Dev.	0.33	0.80
			Med.	Sand	0 %	Skewness	-0.56	
Cc =	0.93		Fine	Sand	99 %	Kurtosis	7.69	

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

1000 100 50 10 0

PERCENT FINER BY WEIGHT

0 10 20 30 40 50 60 70 80 90 100

PERCENT COARSER BY WEIGHT

0.001 0.01 0.05 0.1 0.5 1 2 3 4 5 6 7 8 9 10 12 15 20 25 30 35 40 45 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

CLASSIFICATION

Fine sand (SP)

PROJECT Amelia Island Stabilization Project

AREA Amelia Island, Georgia

BORING NO. A-14

DATE June 2001

SAMPLE NO.

ELEV.

-27.8' MLLW

9.0'