

Sediment Analysis Data Sheet

Sample A-32-6.0

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% :	1.35	0.39
5	4.00	-2.00	0.00	0.00	0.00	16% :	2.04	0.24
7	2.83	-1.50	0.05	0.15	0.15	25% :	2.19	0.22
10	2.00	-1.00	0.11	0.33	0.48	50% :	2.58	0.17
14	1.41	-0.50	0.14	0.42	0.90	75% :	2.86	0.14
18	1.00	0.00	0.14	0.43	1.33	84% :	2.96	0.13
25	0.71	0.50	0.18	0.56	1.89	95% :	3.33	0.10
35	0.50	1.00	0.37	1.11	3.00			
45	0.35	1.50	0.94	2.86	5.86	Med.	2.58	0.17
60	0.25	2.00	2.63	8.01	13.87	Mean	2.53	0.17
80	0.18	2.50	9.60	29.20	43.06	St Dev.	0.53	
120	0.13	3.00	14.61	44.44	87.50	Skew	-0.21	
170	0.09	3.50	3.79	11.52	99.02	Kurt.	1.21	
200	0.07	3.75	0.09	0.26	99.28			
Pan			0.01	0.02	99.30			
Total			32.65	99.30	99.30			
						Moment	Statistics	
							Phi	mm
Cu =	1.58		Gravel		0 %	Mean	2.45	0.18
			Coarse	Sand	0 %	St. Dev.	0.65	0.64
			Med.	Sand	4 %	Skewness	-2.32	
Cc =	0.97		Fine	Sand	95 %	Kurtosis	12.22	

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

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

1000 100 50 10 5 1 0.5 0.1 0.05 0.01 0.001

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

CLASSIFICATION

ELEV.

6.0' -7.6' MLLW

PROJECT Amelia Island Stabilization Project

AREA Amelia Island, Georgia

BORING NO. A-32

DATE June 2001

Fine sand (SP)

Sediment Analysis Data Sheet

Sample A-32-17.0

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% :	2.32	0.20
7	2.83	-1.50	0.04	0.14	0.14	25% :	2.51	0.18
10	2.00	-1.00	0.00	0.01	0.14	50% :	2.72	0.15
14	1.41	-0.50	0.05	0.14	0.29	75% :	2.92	0.13
18	1.00	0.00	0.01	0.04	0.33	84% :	2.99	0.13
25	0.71	0.50	0.01	0.03	0.36	95% :	3.42	0.09
35	0.50	1.00	0.02	0.05	0.41			
45	0.35	1.50	0.06	0.17	0.59	Med.	2.72	0.15
60	0.25	2.00	0.56	1.74	2.33	Mean	2.68	0.16
80	0.18	2.50	6.72	21.09	23.42	St Dev.	0.37	
120	0.13	3.00	19.61	61.57	85.00	Skew	-0.07	
170	0.09	3.50	3.78	11.86	96.85	Kurt.	1.37	
200	0.07	3.75	0.20	0.62	97.47			
Pan			0.01	0.03	97.50			
Total			31.05	97.50	97.50			
						Moment	Statistics	
							Phi	mm
Cu =	1.49		Gravel		0 %	Mean	2.67	0.16
			Coarse	Sand	0 %	St. Dev.	0.40	0.76
			Med.	Sand	0 %	Skewness	-3.16	
Cc =	1.06		Fine	Sand	97 %	Kurtosis	32.20	

SEA, INC.

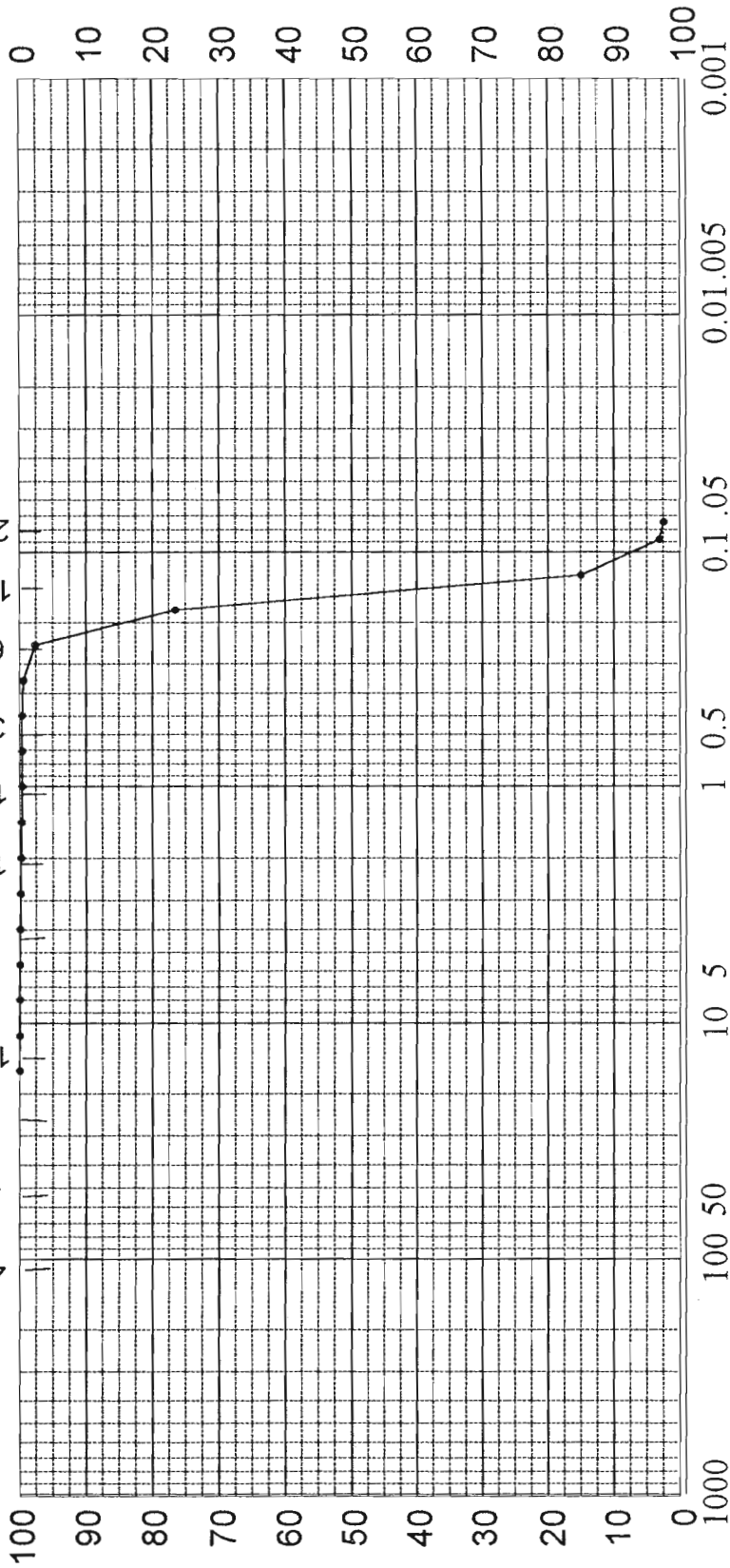
HYDROMETER

U.S. STANDARD SIEVE NUMBERS

U.S. STANDARD SIEVE OPENING
IN INCHES

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

100
90
80
70
60
50
40
30
20
10
0



PERCENT FINER BY WEIGHT

PERCENT COARSER BY WEIGHT

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
17.0'	-18.6' MLLW	Fine sand (SP)	Amelia Island Stabilization Project
			AREA Amelia Island, Georgia
			BORING NO. A-32
			DATE June 2001

Sediment Analysis Data Sheet

Sample A-33-12.0

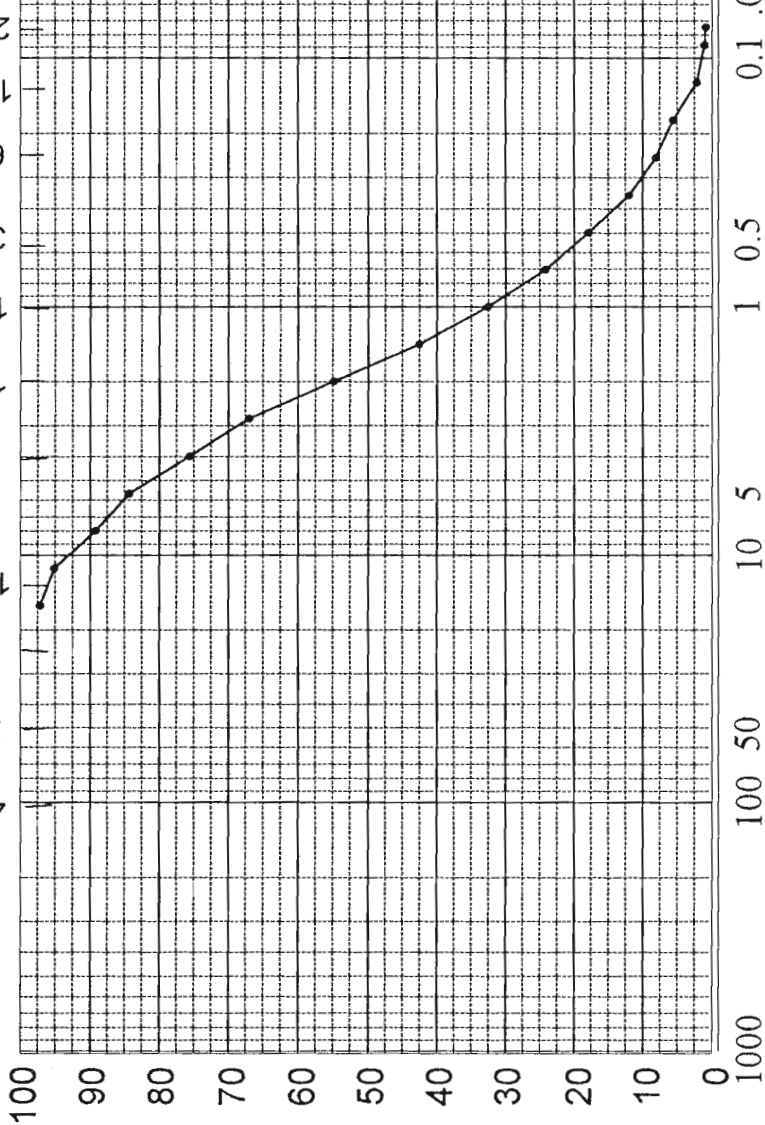
Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics phi	mm
	16.00	-4.00	2.50	2.75	2.75			
	11.31	-3.50	1.86	2.05	4.80			
	8.00	-3.00	5.35	5.89	10.69			
	5.66	-2.50	4.46	4.91	15.61	5% :	-3.48	11.18
5	4.00	-2.00	7.88	8.69	24.29	16% :	-2.48	5.57
7	2.83	-1.50	7.87	8.67	32.97	25% :	-1.96	3.89
10	2.00	-1.00	10.96	12.08	45.05	50% :	-0.80	1.74
14	1.41	-0.50	11.28	12.44	57.48	75% :	0.45	0.73
18	1.00	0.00	8.93	9.85	67.33	84% :	1.16	0.45
25	0.71	0.50	7.65	8.43	75.76	95% :	2.60	0.16
35	0.50	1.00	5.71	6.29	82.05			
45	0.35	1.50	5.39	5.94	88.00	Med.	-0.80	1.74
60	0.25	2.00	3.49	3.85	91.85	Mean	-0.70	1.63
80	0.18	2.50	2.24	2.47	94.31	St Dev.	1.83	
120	0.13	3.00	3.12	3.44	97.75	Skew	0.10	
170	0.09	3.50	1.02	1.12	98.87	Kurt.	1.03	
200	0.07	3.75	0.16	0.18	99.05			
Pan			0.04	0.05	99.10			
Total			89.89	99.10	99.10			
						Moment	Statistics	
							Phi	mm
Cu =	7.83		Gravel	20	%	Mean	-0.74	1.67
			Coarse	25	%	St. Dev.	1.74	0.30
			Med.	40	%	Skewness	0.17	
Cc =	1.18		Fine	14	%	Kurtosis	2.56	

SEA, INC.

HYDROMETER

U.S. STANDARD SIEVE NUMBERS

IN INCHES



PERCENT FINER BY WEIGHT

PERCENT COARSER BY WEIGHT

GRAIN SIZE IN MILLIMETERS

PHI

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION				PROJECT Amelia Island Stabilization Project		
12.0'	-26.0' MLLW	Well graded sand and carbonate gravel (SW)				AREA	Amelia Island, Georgia	
						BORING NO.	A-33	
						DATE	June 2001	