

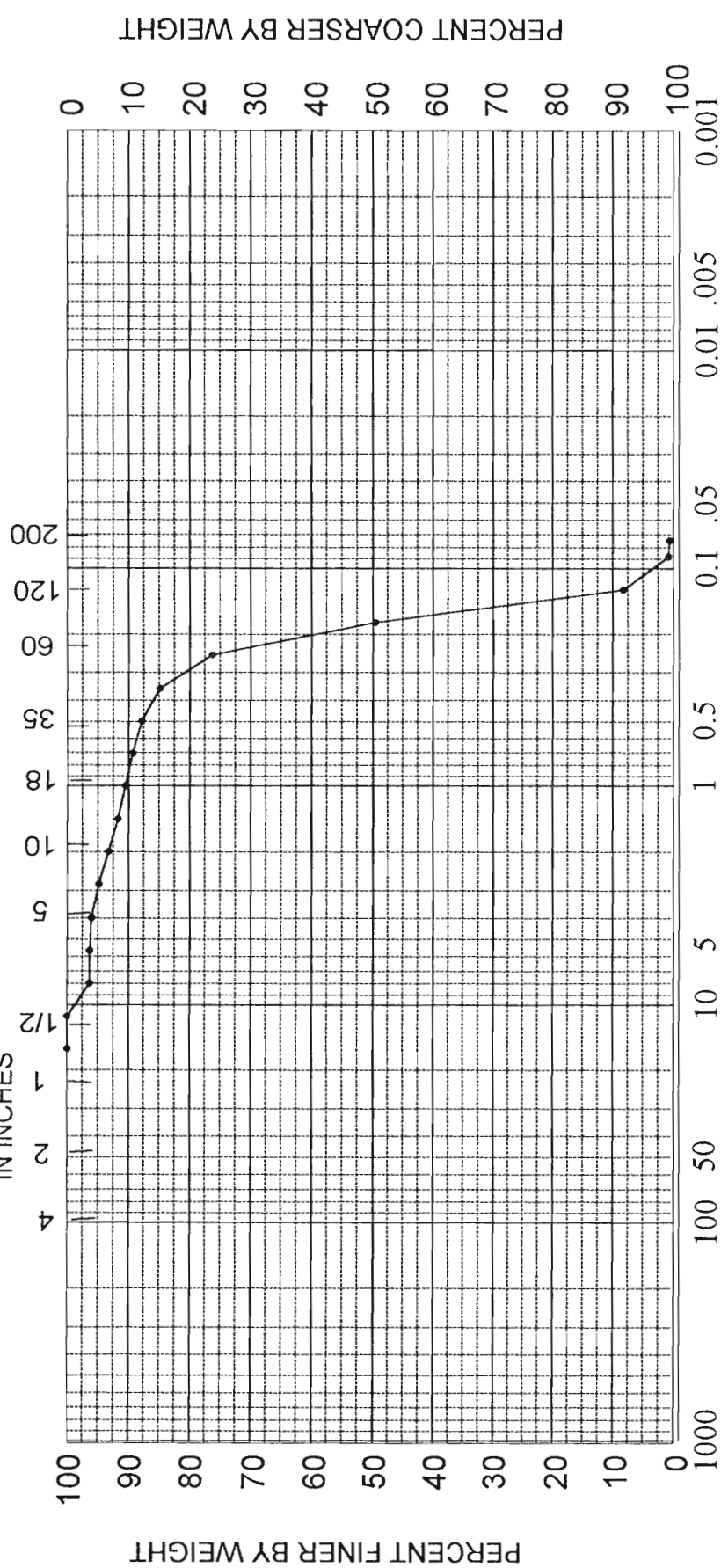
Sediment Analysis Data Sheet

Sample A-26R1-3.0

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	1.15	3.63	3.63			
	5.66	-2.50	0.00	0.00	3.63	5% :	-1.54	2.92
5	4.00	-2.00	0.07	0.23	3.86	16% :	1.56	0.34
7	2.83	-1.50	0.39	1.25	5.11	25% :	2.02	0.25
10	2.00	-1.00	0.49	1.56	6.67	50% :	2.49	0.18
14	1.41	-0.50	0.49	1.57	8.24	75% :	2.80	0.14
18	1.00	0.00	0.37	1.17	9.41	84% :	2.91	0.13
25	0.71	0.50	0.39	1.23	10.64	95% :	3.22	0.11
35	0.50	1.00	0.48	1.52	12.16			
45	0.35	1.50	0.91	2.88	15.04	Med.	2.49	0.18
60	0.25	2.00	2.74	8.67	23.71	Mean	2.32	0.20
80	0.18	2.50	8.41	26.66	50.37	St Dev.	1.06	
120	0.13	3.00	13.03	41.32	91.69	Skew	-0.54	
170	0.09	3.50	2.35	7.46	99.15	Kurt.	2.52	
200	0.07	3.75	0.07	0.22	99.37			
Pan			0.01	0.03	99.40			
Total			31.36	99.40	99.40			
						Moment	Statistics	
							Phi	mm
Cu =	1.60		Gravel		4 %	Mean	2.02	0.25
			Coarse	Sand	3 %	St. Dev.	1.42	0.37
			Med.	Sand	7 %	Skewness	-2.44	
Cc =	0.88		Fine	Sand	86 %	Kurtosis	8.53	

SEA, INC.

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



SAMPLE NO.	ELEV.	CLASSIFICATION				PROJECT Amelia Island Stabilization Project	
		GRAVEL		SAND		AREA	DATE
3.0'	-13.1' MLLW	COARSE	FINE	COARSE	MEDIUM	Amelia Island, Georgia	June 2001
						BORING NO. A-26R1	

Sediment Analysis Data Sheet

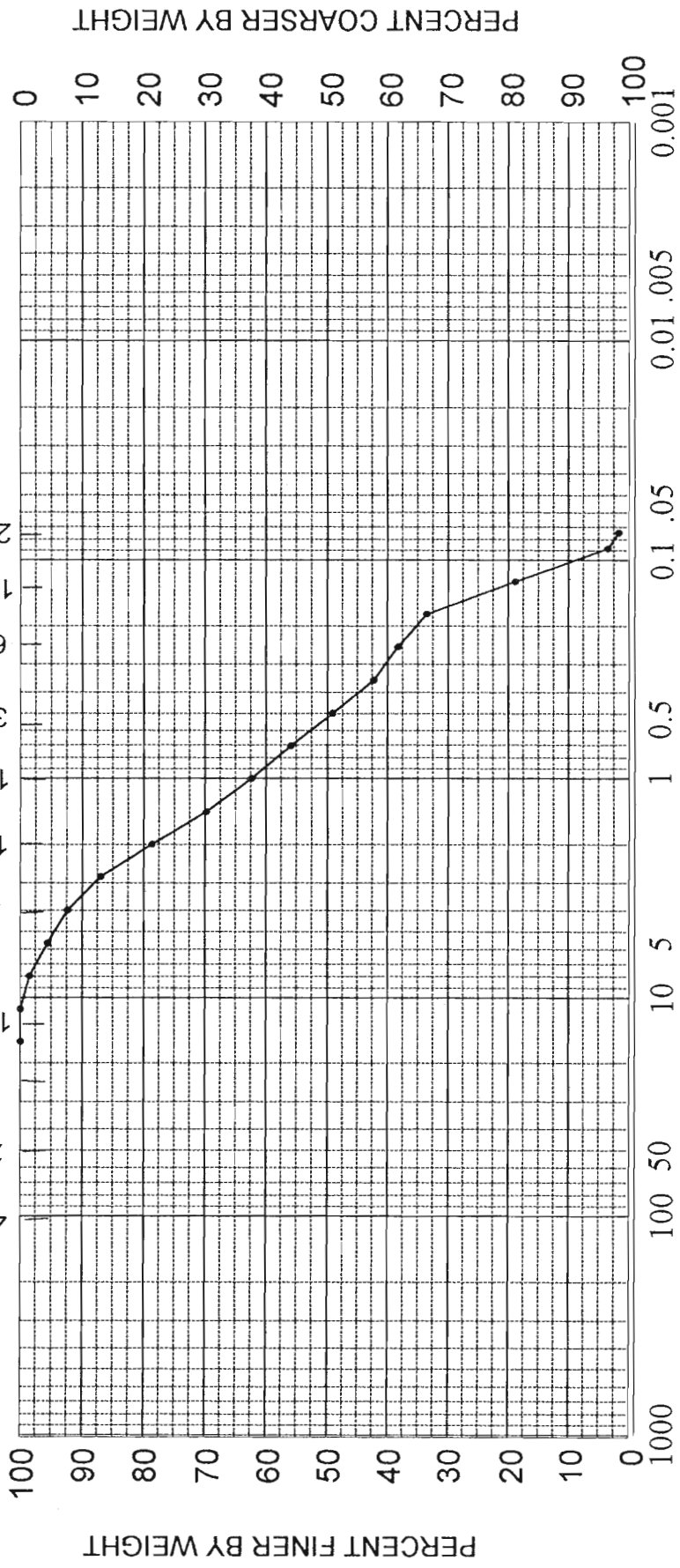
Sample A-26R1-6.0

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	0.48	1.51	1.51			
	5.66	-2.50	0.90	2.83	4.34	5% :	-2.40	5.27
5	4.00	-2.00	1.03	3.25	7.59	16% :	-1.32	2.49
7	2.83	-1.50	1.70	5.36	12.95	25% :	-0.79	1.73
10	2.00	-1.00	2.66	8.36	21.31	50% :	0.94	0.52
14	1.41	-0.50	2.81	8.85	30.16	75% :	2.79	0.14
18	1.00	0.00	2.34	7.35	37.51	84% :	3.09	0.12
25	0.71	0.50	2.07	6.52	44.04	95% :	3.45	0.09
35	0.50	1.00	2.16	6.81	50.85			
45	0.35	1.50	2.19	6.90	57.75	Med.	0.94	0.52
60	0.25	2.00	1.26	3.97	61.72	Mean	0.90	0.53
80	0.18	2.50	1.52	4.78	66.50	St Dev.	1.99	
120	0.13	3.00	4.65	14.63	81.13	Skew	-0.08	
170	0.09	3.50	4.89	15.40	96.53	Kurt.	0.67	
200	0.07	3.75	0.54	1.71	98.24			
Pan			0.02	0.06	98.30			
Total			31.22	98.30	98.30			
						Moment	Statistics	
							Phi	mm
Cu =	8.56		Gravel		6 %	Mean	0.83	0.56
			Coarse	Sand	15 %	St. Dev.	1.94	0.26
			Med.	Sand	33 %	Skewness	-0.22	
Cc =	0.30		Fine	Sand	44 %	Kurtosis	1.80	

SEA, INC.

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

IN INCHES



Sediment Analysis Data Sheet

Sample A-26R1-12.0

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	3.11	9.45	9.45			
	8.00	-3.00	0.21	0.65	10.10			
	5.66	-2.50	1.24	3.76	13.86	5% :	-3.74	13.32
5	4.00	-2.00	2.21	6.71	20.57	16% :	-2.34	5.06
7	2.83	-1.50	2.45	7.43	28.00	25% :	-1.70	3.25
10	2.00	-1.00	2.38	7.22	35.22	50% :	0.14	0.91
14	1.41	-0.50	2.33	7.09	42.31	75% :	1.70	0.31
18	1.00	0.00	2.00	6.07	48.38	84% :	2.19	0.22
25	0.71	0.50	1.94	5.89	54.27	95% :	3.21	0.11
35	0.50	1.00	2.07	6.28	60.55			
45	0.35	1.50	3.38	10.26	70.80	Med.	0.14	0.91
60	0.25	2.00	3.48	10.59	81.39	Mean	0.00	1.00
80	0.18	2.50	2.27	6.89	88.28	St Dev.	2.18	
120	0.13	3.00	1.49	4.53	92.80	Skew	-0.10	
170	0.09	3.50	1.73	5.26	98.06	Kurt.	0.84	
200	0.07	3.75	0.05	0.14	98.20			
Pan			0.03	0.10	98.30			
Total			32.35	98.30	98.30			
						Moment	Statistics	
							Phi	mm
Cu =	10.22		Gravel		17 %	Mean	-0.09	1.06
			Coarse	Sand	18 %	St. Dev.	2.06	0.24
			Med.	Sand	30 %	Skewness	-0.21	
Cc =	0.54		Fine	Sand	33 %	Kurtosis	1.97	

SEA, INC.

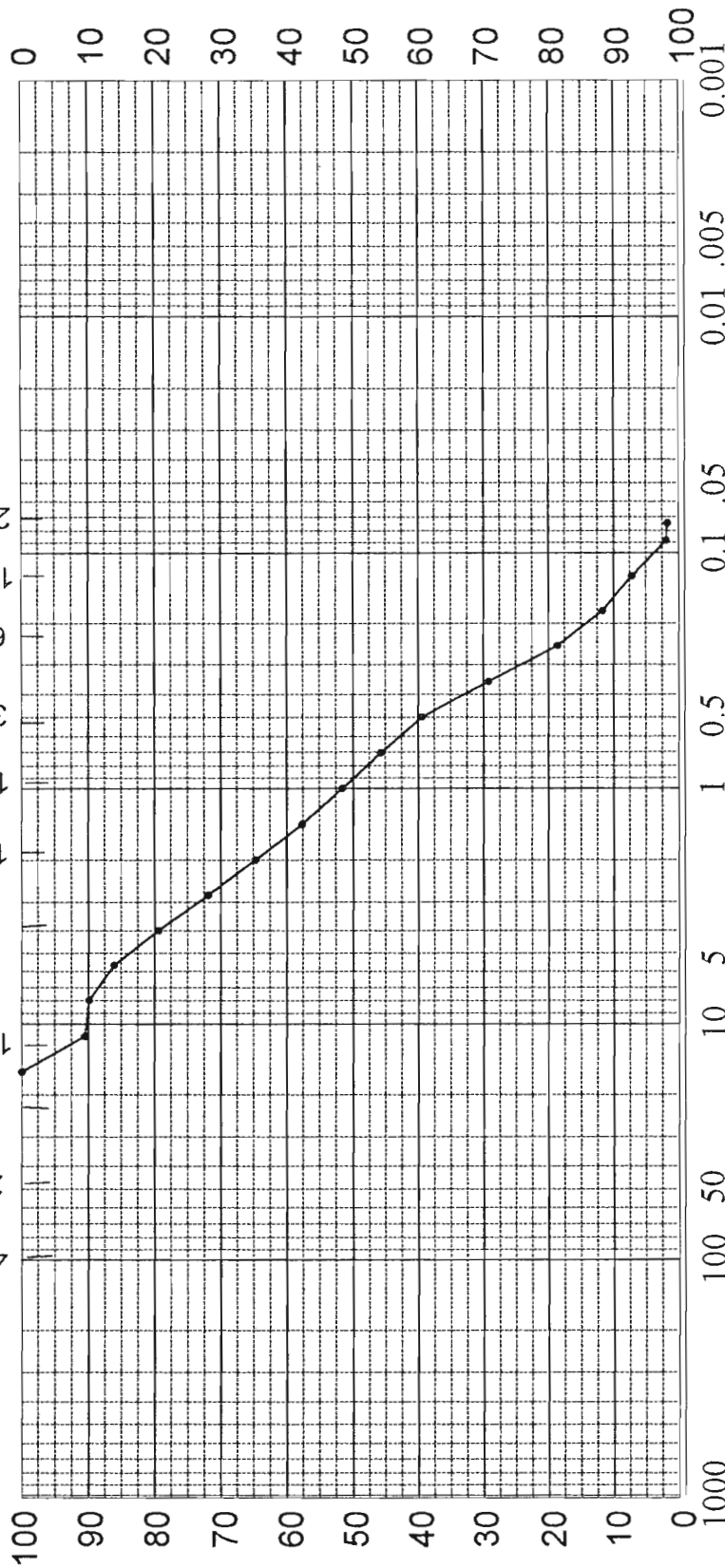
U.S. STANDARD SIEVE OPENING U.S. STANDARD SIEVE NUMBERS HYDROMETER

IN INCHES

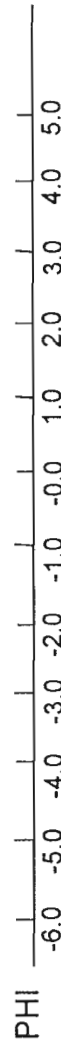
100 90 80 70 60 50 40 30 20 10 0

PERCENT FINER BY WEIGHT

PERCENT COARSER BY WEIGHT



GRAIN SIZE IN MILLIMETERS



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION				PROJECT Amelia Island Stabilization Project	
12.0'	-22.1' MLLW	Well graded sand and carbonate gravel (SW)				AREA	Amelia Island, Georgia
						BORING NO.	A-26R1
						DATE	June 2001