

# Sediment Analysis Data Sheet

Sample A-19R2-7.0

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	2.75	8.65	8.65			
	8.00	-3.00	0.73	2.28	10.94			
	5.66	-2.50	0.53	1.66	12.60	5% :	-3.71	13.10
5	4.00	-2.00	0.84	2.65	15.25	16% :	-1.78	3.43
7	2.83	-1.50	0.54	1.70	16.95	25% :	0.21	0.87
10	2.00	-1.00	0.74	2.32	19.27	50% :	2.02	0.25
14	1.41	-0.50	0.89	2.80	22.07	75% :	2.41	0.19
18	1.00	0.00	0.69	2.16	24.24	84% :	2.58	0.17
25	0.71	0.50	0.58	1.83	26.06	95% :	2.92	0.13
35	0.50	1.00	0.88	2.77	28.84			
45	0.35	1.50	2.08	6.54	35.38	Med.	2.02	0.25
60	0.25	2.00	4.15	13.07	48.44	Mean	0.94	0.52
80	0.18	2.50	10.41	32.75	81.20	St Dev.	2.10	
120	0.13	3.00	5.26	16.54	97.74	Skew	-0.74	
170	0.09	3.50	0.50	1.57	99.30	Kurt.	1.24	
200	0.07	3.75	0.03	0.09	99.39			
Pan			0.00	0.01	99.40			
Total			31.59	99.40	99.40			
						Moment	Statistics	
							Phi	mm
Cu =	2.13		Gravel	14	%	Mean	1.00	0.50
			Coarse	5	%	St. Dev.	2.11	0.23
			Med.	13	%	Skewness	-1.26	
Cc =	0.86		Fine	67	%	Kurtosis	3.15	

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

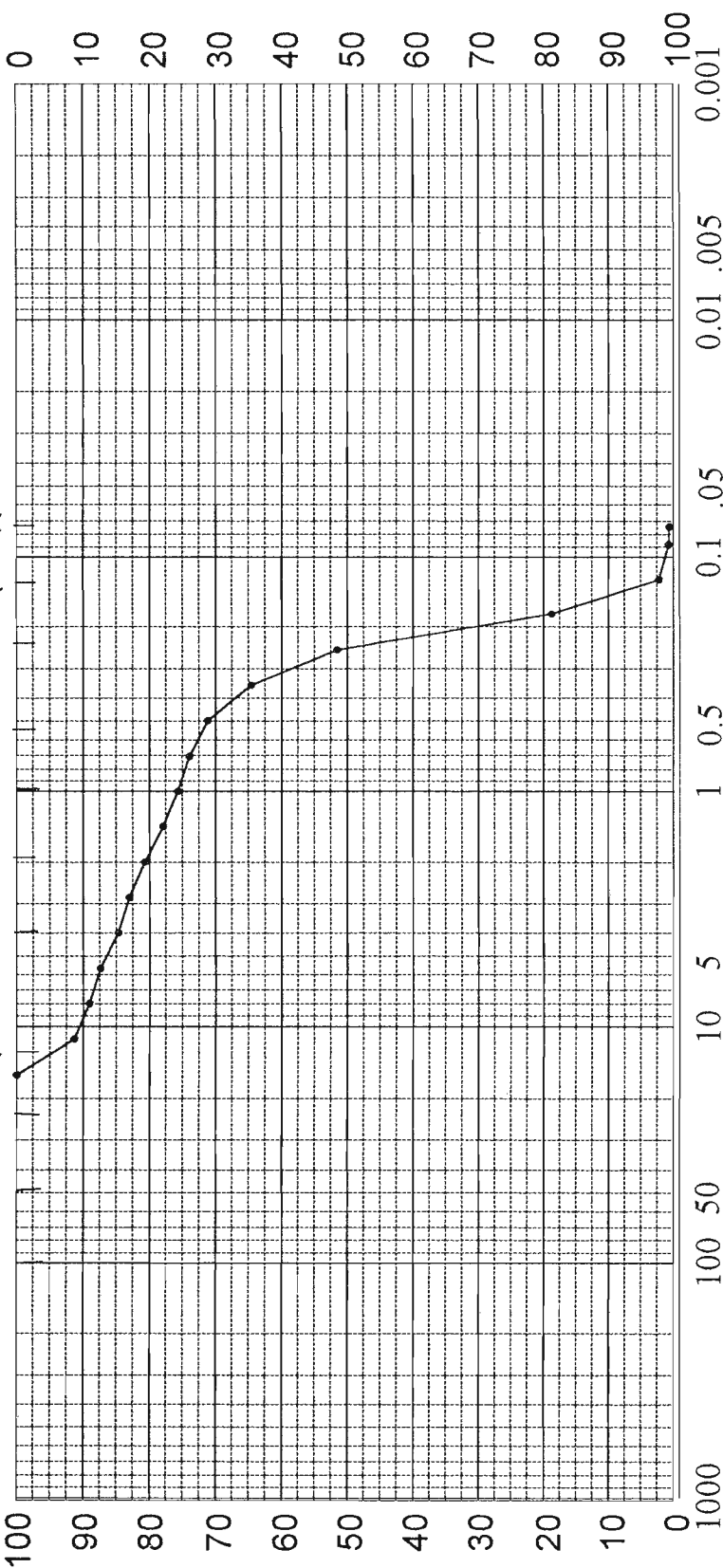
20

10

0

PERCENT FINER BY WEIGHT

PERCENT COARSER BY WEIGHT



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	
7.0'	-17.3' MLLW	Fine sand, some medium sand, some gravel (SP)				AREA	Amelia Island, Georgia
						BORING NO.	A-19R2
						DATE	June 2001

# Sediment Analysis Data Sheet

Sample A-19R2-13.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics phi	mm
	16.00	-4.00	4.95	14.72	14.72			
	11.31	-3.50	0.00	0.00	14.72			
	8.00	-3.00	1.59	4.72	19.43			
	5.66	-2.50	0.97	2.89	22.33	5% :	0.00	1.00
5	4.00	-2.00	1.17	3.48	25.81	16% :	-3.36	10.29
7	2.83	-1.50	1.52	4.51	30.32	25% :	-2.12	4.34
10	2.00	-1.00	2.40	7.12	37.44	50% :	-0.26	1.20
14	1.41	-0.50	3.01	8.93	46.38	75% :	1.11	0.46
18	1.00	0.00	2.60	7.71	54.09	84% :	1.49	0.36
25	0.71	0.50	2.79	8.27	62.36	95% :	2.58	0.17
35	0.50	1.00	3.33	9.90	72.26			
45	0.35	1.50	4.06	12.05	84.31	Med.	-0.26	1.20
60	0.25	2.00	1.85	5.51	89.82	Mean	-0.71	1.64
80	0.18	2.50	1.50	4.44	94.27	St Dev.	1.60	
120	0.13	3.00	1.63	4.85	99.11	Skew	0.46	
170	0.09	3.50	0.19	0.56	99.67	Kurt.	0.33	
200	0.07	3.75	0.03	0.08	99.75			
Pan			0.02	0.05	99.80			
Total			33.59	99.80	99.80			
						Moment	Statistics	
							Phi	mm
Cu =	7.35		Gravel		24 %	Mean	-0.60	1.51
			Coarse	Sand	13 %	St. Dev.	2.14	0.23
			Med.	Sand	41 %	Skewness	-0.37	
Cc =	0.66		Fine	Sand	21 %	Kurtosis	2.07	

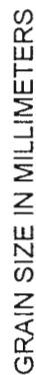
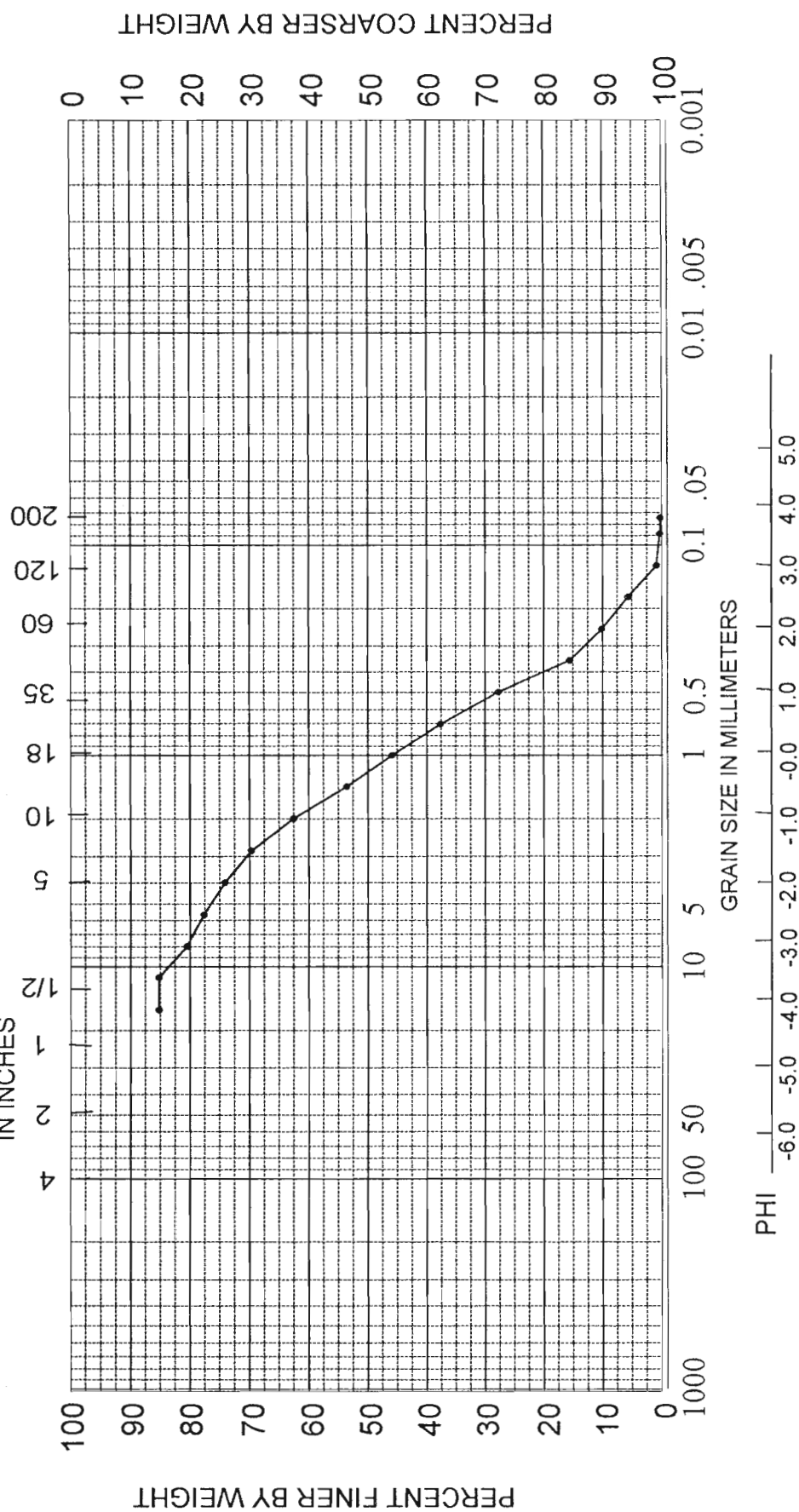
SEA, INC.

# HYDROMETER

## U.S. STANDARD SIEVE OPENING U.S. STANDARD SIEVE NUMBERS

## U.S. STANDARD SIEVE OPENING

## IN INCHES



COBBLES	GRAVEL		SAND		SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	

SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT Amelia Island Stabilization Project
13.0'	-21.3' MLLW	Well graded sand and carbonate gravel (SW)	AREA Amelia Island, Georgia
			BORING NO. A-19R2
			DATE June 2001