

Sediment Analysis Data Sheet

Sample SM 5R2-3.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cum. %	Folk		
						Statistics		
						phi	mm	
5/8	16.00	-4.00	0.00	0.00	0.00			
1/2	11.31	-3.50	0.00	0.00	0.00			
5/16	8.00	-3.00	0.00	0.00	0.00			
1/4	5.66	-2.50	0.00	0.00	0.00	5%	2.64	0.24
5	4.00	-2.00	0.09	0.28	0.28	16%	2.41	0.19
7	2.83	-1.50	0.00	0.00	0.28	25%	2.54	0.17
10	2.00	-1.00	0.03	0.11	0.39	50%	2.72	0.15
14	1.41	-0.50	0.07	0.21	0.60	75%	2.89	0.13
18	1.00	0.00	0.08	0.26	0.86	84%	2.96	0.13
25	0.71	0.50	0.08	0.35	1.11	95%	3.29	0.10
35	0.50	1.00	0.13	0.41	1.53			
45	0.35	1.50	0.25	0.76	2.29	Med.	2.72	0.15
60	0.25	2.00	0.46	1.42	3.71	Mean	2.69	0.15
80	0.18	2.50	4.88	15.09	18.80	St Dev.	0.33	
120	0.13	3.00	23.07	71.38	90.18	Skew	-0.11	
170	0.09	3.50	2.64	8.17	98.35	Kurt.	1.47	
200	0.07	3.75	0.14	0.42	98.77			
230	0.06	4.00	0.04	0.11	98.88			
Pan			0.01	0.02	98.90			
Total			31.97	98.90	98.90			
						Moment		
						Statistics		
							Phi	mm
Cu =	1.27		Gravel	0	%	Mean	2.64	0.16
			Coarse Sand	0	%	St. Dev.	0.51	0.70
			Med. Sand	2	%	Skewness	-4.87	
Cc =	0.95		Fine Sand	97	%	Kurtosis	39.28	
			Silt/Clay	1	%			

Sediment Analysis Data Sheet

Sample SM-5R2-9.0

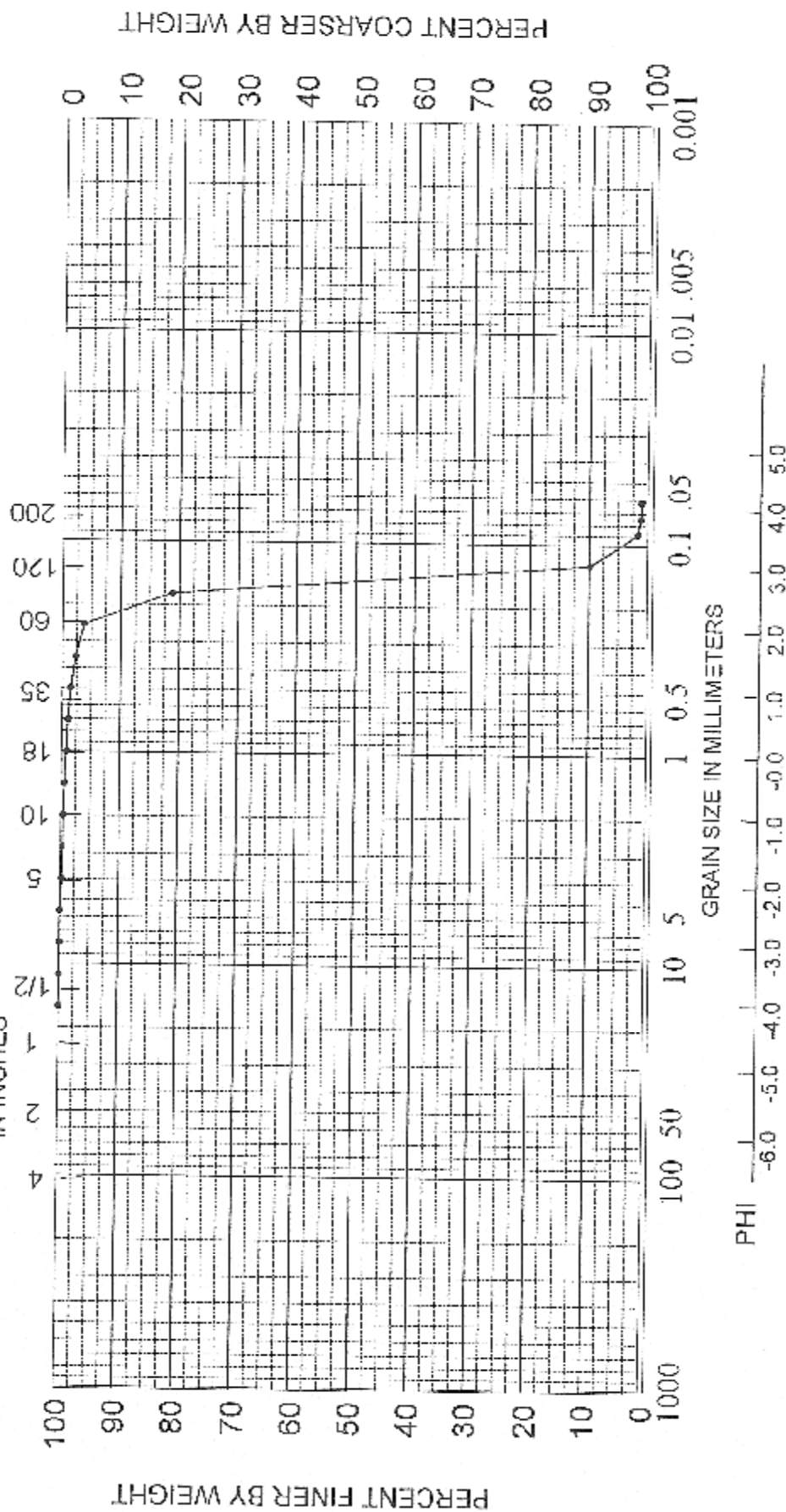
Sieve	Size (mm)	Phi size	Wt %	Wt %	Cum %	Folk	Statistics	
							phi	mm
5/8	16.00	-1.00	0.00	0.00	0.00			
1/2	11.21	-3.50	0.00	0.00	0.00			
5/16	8.00	-3.00	0.00	0.00	0.00			
3/8	5.66	-2.50	0.32	0.89	0.89	5% :	-1.06	2.08
5	4.00	-2.00	0.34	0.95	1.84	16% :	1.54	0.34
7	2.83	-1.50	0.58	1.61	3.46	25% :	2.07	0.24
10	2.00	-1.00	0.63	1.75	5.21	50% :	2.54	0.17
14	1.41	-0.50	0.67	1.86	7.06	75% :	2.82	0.14
18	1.00	0.00	0.72	2.00	9.06	84% :	2.92	0.13
25	0.71	0.50	0.70	1.94	11.00	95% :	3.28	0.10
35	0.50	1.00	0.69	1.90	12.90			
45	0.35	1.50	0.93	2.56	15.47	Mod.	2.54	0.17
60	0.25	2.00	2.17	5.99	21.46	Mean	2.33	0.20
80	0.18	2.50	9.16	25.32	46.78	St Dev.	1.00	
120	0.13	3.00	16.05	44.39	91.17	Skew	-0.55	
170	0.09	3.50	2.45	6.76	97.93	Kurt.	2.38	
200	0.07	3.75	0.18	0.19	98.42			
250	0.06	4.00	0.05	0.14	98.56			
Pan			0.02	0.04	98.60			
Total			35.66	98.60	98.60			
						Moment		
						Statistics		
							Phi	mm
Cu =	1.54		Gravel	1	%	Mean	2.10	0.23
			Coarse Sand	4	%	St. Dev.	1.24	0.42
			Med. Sand	9	%	Skewness	-2.15	
Cc =	0.89		Fine Sand	84	%	Kurtosis	7.13	
			Silt/Clay	1	%			

Sediment Analysis Data Sheet

Sample SM-5R2-13.0

Sieve	Size (mm)	Phi size	Wt %	Wt %	Cumulative %	Folk	Statistics	
							phi	mm
5/8	16.00	-4.00	0.00	0.00	0.00			
1/2	11.31	-3.50	0.00	0.00	0.00			
5/16	8.00	-3.00	0.55	1.67	1.67			
1/4	5.65	-2.50	0.55	1.67	3.35	5% :	-2.21	4.63
5	4.00	-2.00	0.95	2.88	6.22	16% :	-1.20	2.29
7	2.83	-1.50	1.73	5.24	11.46	25% :	-0.79	1.73
10	2.00	-1.00	2.47	7.47	18.93	50% :	0.17	0.89
14	1.41	-0.50	4.73	14.34	33.28	75% :	1.17	0.44
18	1.00	0.00	4.96	12.31	45.59	84% :	1.52	0.35
25	0.71	0.50	4.20	12.72	58.31	95% :	2.40	0.19
35	0.50	1.00	4.05	12.26	70.57			
45	0.35	1.50	4.29	13.01	83.58	Med.	0.17	0.89
60	0.25	2.00	2.86	8.65	92.23	Mean	0.17	0.89
80	0.18	2.50	1.14	3.45	95.68	St.Dev.	1.38	
100	0.13	3.00	0.95	2.88	98.56	Skew	-0.02	
150	0.09	3.50	0.25	0.76	99.32	Kurt.	0.97	
200	0.07	3.75	0.02	0.05	99.36			
250	0.06	4.00	0.01	0.02	99.39			
Pan			0.00	0.01	99.40			
Total			32.80	99.40	99.40			
						Moment Statistics		
							Phi	mm
Cu =	4.28	Gravel			5	Mean	0.13	0.91
		Coarse Sand			14	St. Dev.	1.35	0.39
		Med. Sand			58	Skewness	-0.17	
Cc =	0.81	Fine Sand			22	Kurtosis	2.67	
		Silt/Clay			1			

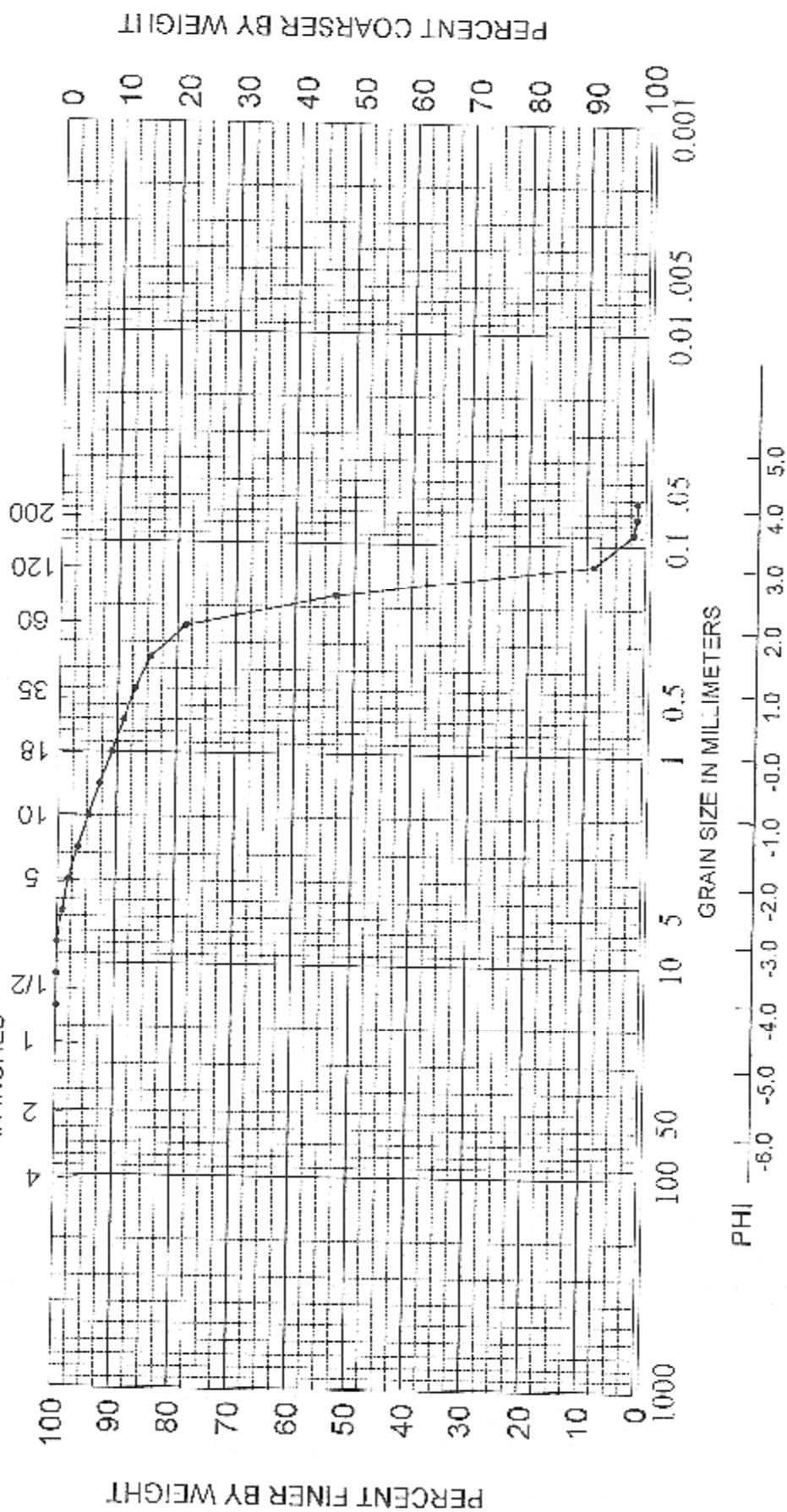
U.S. STANDARD SIEVE OPENING IN INCHES U.S. STANDARD SIEVE NUMBERS HYDROMETER



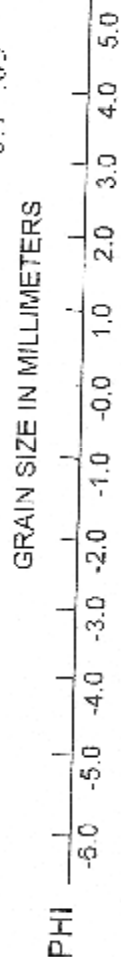
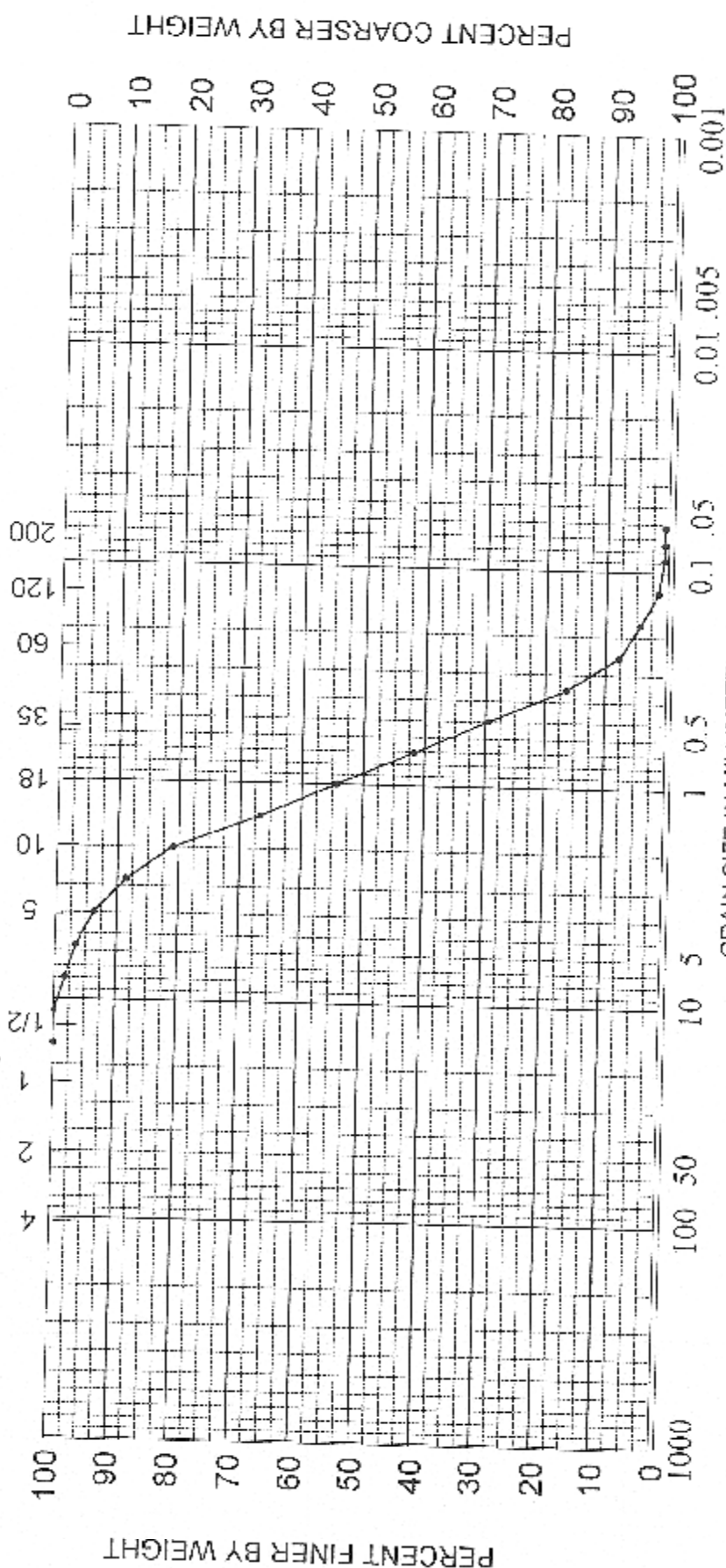
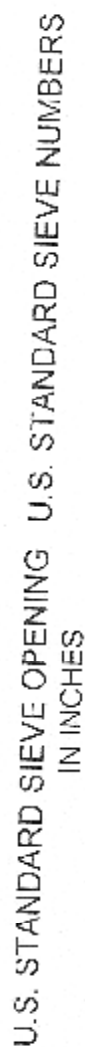
COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT/Owner & Associates, Inc. - Cumberland Shoals
3.0	-14.9'	Fine quartz sand (SP)	AREA St Mary's Inlet FL
			BORING NO. SM-5R2
			DATE July 2002

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



SAMPLE NO.	ELEV.	CLASSIFICATION				PROJECT	Cisen & Associates, Inc. - Cumberland Shoals		
		COBBLES	GRAVEL		SAND				
			COARSE	FINE	COARSE	MEDIUM	FINE	SILT OR CLAY	
9.0	-20.9'				Fine quartz sand (SP)				AREA
								BORING NO.	SM-5R2
								DATE	July 2002

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SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT Olson & Associates, Inc. - Cumberland Shoals
13.0	-24.9'	Medium to fine quartz sand, grading to medium sand and trace of coarse	AREA St. Mary's Inlet, FL
		carbonate sand and gravel (SP)	BORING NO. SM-5R2
			DATE July 2002