

## Sediment Analysis Data Sheet

Sample SM-6-1.0

Sieve	Size (mm)	Phi size	Wt %	Wt %	Curul %	Folk	Statistics phi      mm	
5/8	16.00	-4.00	0.00	0.00	0.00			
1/2	11.51	-3.50	1.04	3.15	3.15			
5/16	8.00	-3.00	0.00	0.00	3.15			
1/4	5.66	-2.50	0.88	2.67	5.82	5% :	-2.65	0.29
5	4.00	-2.00	1.25	3.79	9.61	16% :	-1.03	2.04
7	2.83	-1.50	1.30	3.95	13.56	25% :	0.29	0.82
10	2.00	-1.00	0.85	2.59	16.15	50% :	1.79	0.29
14	1.41	-0.50	1.20	3.54	19.79	75% :	2.28	0.21
18	1.00	0.00	1.01	3.08	22.87	84% :	2.42	0.19
25	0.71	0.50	1.21	3.57	26.54	95% :	2.81	0.14
35	0.50	1.00	1.79	5.14	31.98			
45	0.35	1.50	2.41	7.31	39.30	Med	1.79	0.29
60	0.25	2.00	6.00	18.24	57.54	Mean	1.06	0.48
80	0.18	2.50	10.24	31.14	88.68	St Dev.	1.69	
120	0.13	3.00	3.35	10.17	98.86	Skew	-0.63	
170	0.09	3.50	0.24	0.72	99.58	Kurt.	1.12	
200	0.07	3.75	0.01	0.04	99.62			
230	0.06	4.00	0.01	0.02	99.64			
Pan			0.02	0.06	99.70			
Total			32.78	99.70	99.70			
						Moment	Statistics	
							Phi	mm
Cu =	2.06		Gravel	8	%	Mean	1.06	0.48
			Coarse Sand	8	%	St. Dev.	1.75	0.30
			Med. Sand	9	%	Skewness	-1.25	
Cc =	0.80		Fine Sand	64	%	Kurtosis	3.48	
			Silt/Clay	0	%			

## Sediment Analysis Data Sheet

Sample SM-6-6.0

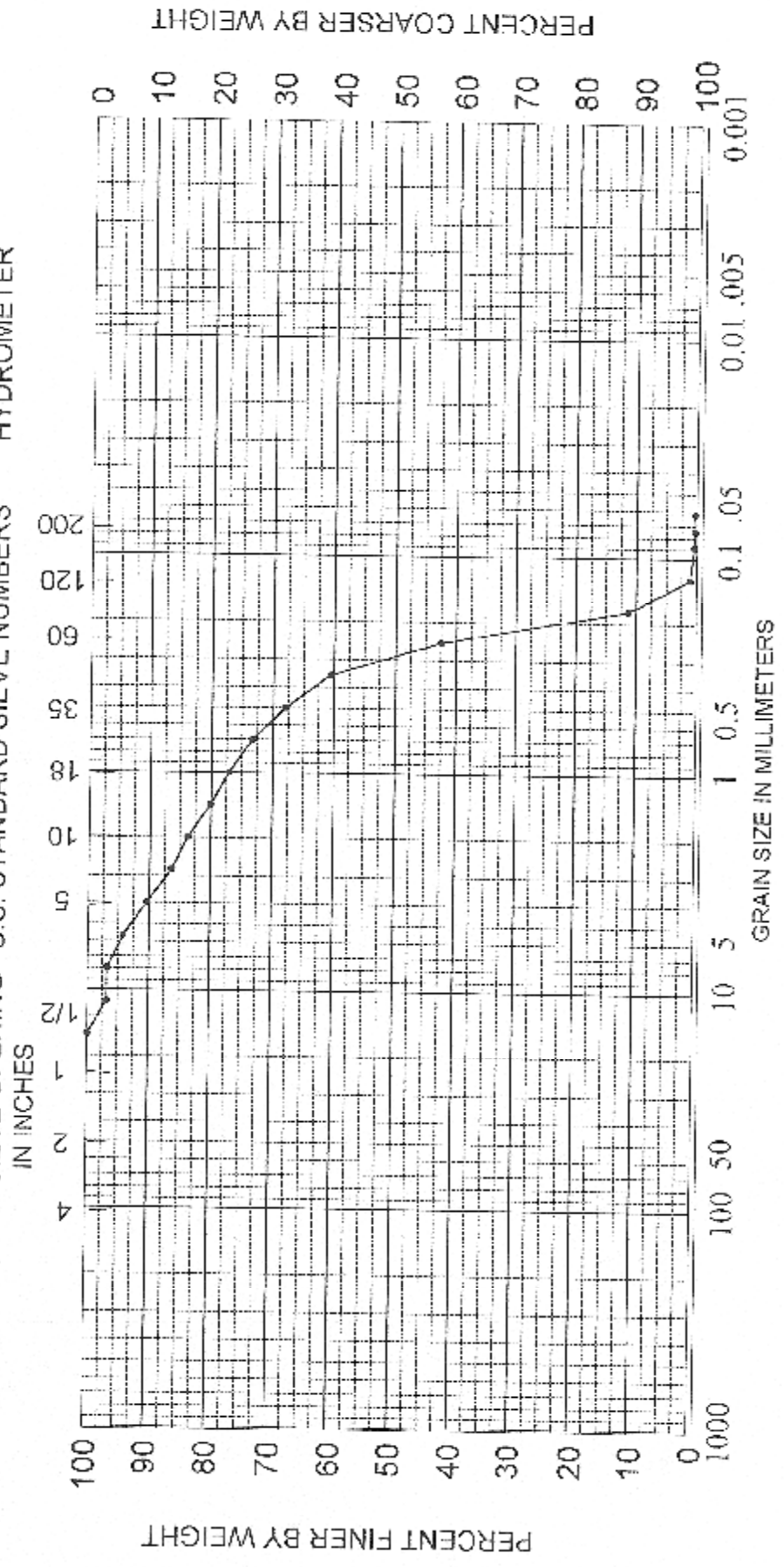
Sieve	Size (mm)	Pin size	Wt	Wt %	Cuml %	Folk	Statistics		
							phi	mm	
5/8	16.00	-4.00	0.00	0.00	0.00				
1/2	11.31	-3.50	0.00	0.00	0.00				
5/16	8.00	-3.00	0.00	0.00	0.00				
1/4	5.66	-2.50	0.00	0.00	0.00	5% :	3.21	0.22	
5	4.00	-2.00	0.00	0.00	0.00	16% :	2.54	0.17	
7	2.83	-1.50	0.00	0.00	0.00	25% :	2.61	0.16	
10	2.00	-1.00	0.00	0.00	0.00	50% :	2.81	0.14	
14	1.41	-0.50	0.01	0.03	0.03	75% :	3.01	0.12	
18	1.00	0.00	0.04	0.10	0.12	84% :	3.20	0.11	
25	0.71	0.50	0.01	0.02	0.14	95% :	3.44	0.09	
35	0.50	1.00	0.01	0.03	0.17				
45	0.35	1.50	0.03	0.08	0.25	Med	2.81	0.14	
60	0.25	2.00	0.21	0.57	0.82	Mean	2.85	0.14	
80	0.18	2.50	3.54	9.73	10.55	St Dev.	0.35		
100	0.13	3.00	23.20	63.85	74.40	Skew	0.11		
150	0.09	3.50	8.60	23.65	98.05	Kurt.	1.25		
200	0.07	3.75	0.29	0.80	98.84				
230	0.06	4.00	0.08	0.22	99.06				
Pan			0.01	0.04	99.10				
Total			36.02	99.10	99.10				
						Moment	Statistics		
							Phi	mm	
Cu =	1.51	Gravel			0	%	Mean	2.82	0.14
		Coarse Sand			0	%	St. Dev	0.33	0.79
		Med. Sand			0	%	Skewness	-1.39	
Cc	1.09	Fine Sand			99	%	Kurtosis	14.72	
		Silt-Clay			1	%			

## Sediment Analysis Data Sheet

Sample SM-6-13.0

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			
3/8	4.00	-2.00	0.00	0.00	0.00	5% :	2.02	0.25
7	2.83	-1.50	0.12	0.36	0.36	16% :	2.19	0.22
10	2.00	-1.00	0.11	0.33	0.69	25% :	2.33	0.20
14	1.41	-0.50	0.06	0.19	0.87	50% :	2.64	0.16
18	1.00	0.00	0.02	0.06	0.94	75% :	2.88	0.14
25	0.71	0.50	0.04	0.11	1.05	84% :	2.96	0.13
35	0.50	1.00	0.05	0.13	1.18	95% :	3.38	0.10
45	0.35	1.50	0.08	0.23	1.41	Med.	2.64	0.16
60	0.25	2.00	0.78	2.27	3.68	Mean	2.60	0.17
80	0.18	2.50	11.01	32.01	35.69	St Dev.	0.40	
120	0.13	3.00	18.00	52.34	88.03	Skew	-0.05	
170	0.09	3.50	3.18	9.23	97.26	Kurt.	1.03	
200	0.07	3.75	0.12	0.35	97.61			
250	0.06	4.00	0.05	0.13	97.74			
Pan			0.02	0.06	97.80			
Total			33.64	97.80	97.80			
Cu =		1.48	Gravel		0	%	Moment	
			Coarse Sand		1	%	Statistics	
			Med. Sand		1	%	Ph	mm
Cc =		0.99	Fine Sand		96	%	Mean	2.57
			Silt/Clay		2	%	St. Dev.	0.52
							Skewness	-4.02
							Kurtosis	31.22

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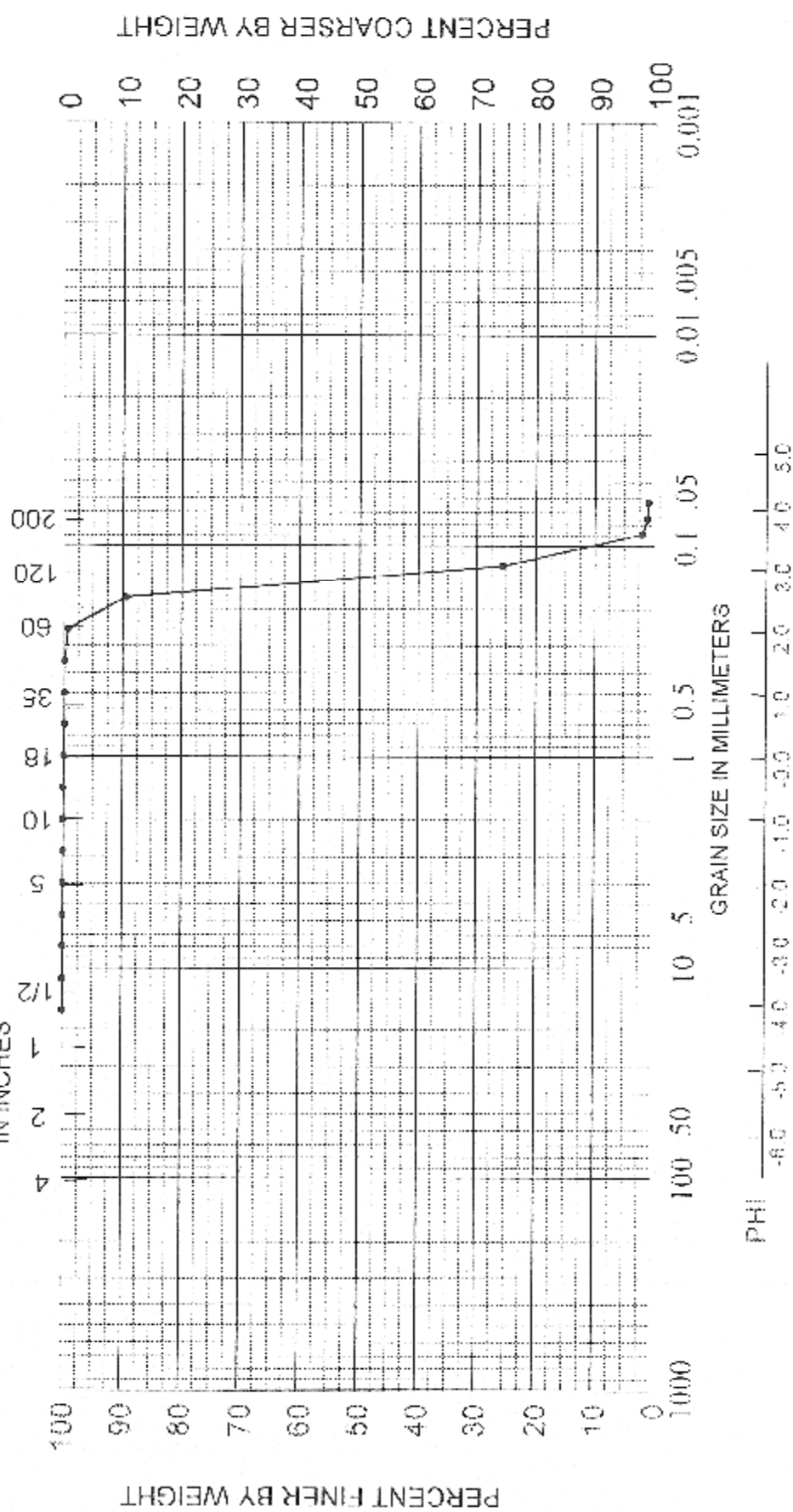


PHI -6.0 -5.0 -4.0 -3.0 -2.0 -1.0 0.0 1.0 2.0 3.0 4.0 5.0

COBBLES	GRAVEL			SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE		

SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT
1.0	-12.8'	Fine quartz sand grading to medium sand and trace of coarse carbonate sand and gravel (SP)	PROJECT O sen & Associates, Inc. - Cumberland Shoals
			AREA St. Mary's Inlet, FL
			BORING NO. SM-6
			DATE July 2002

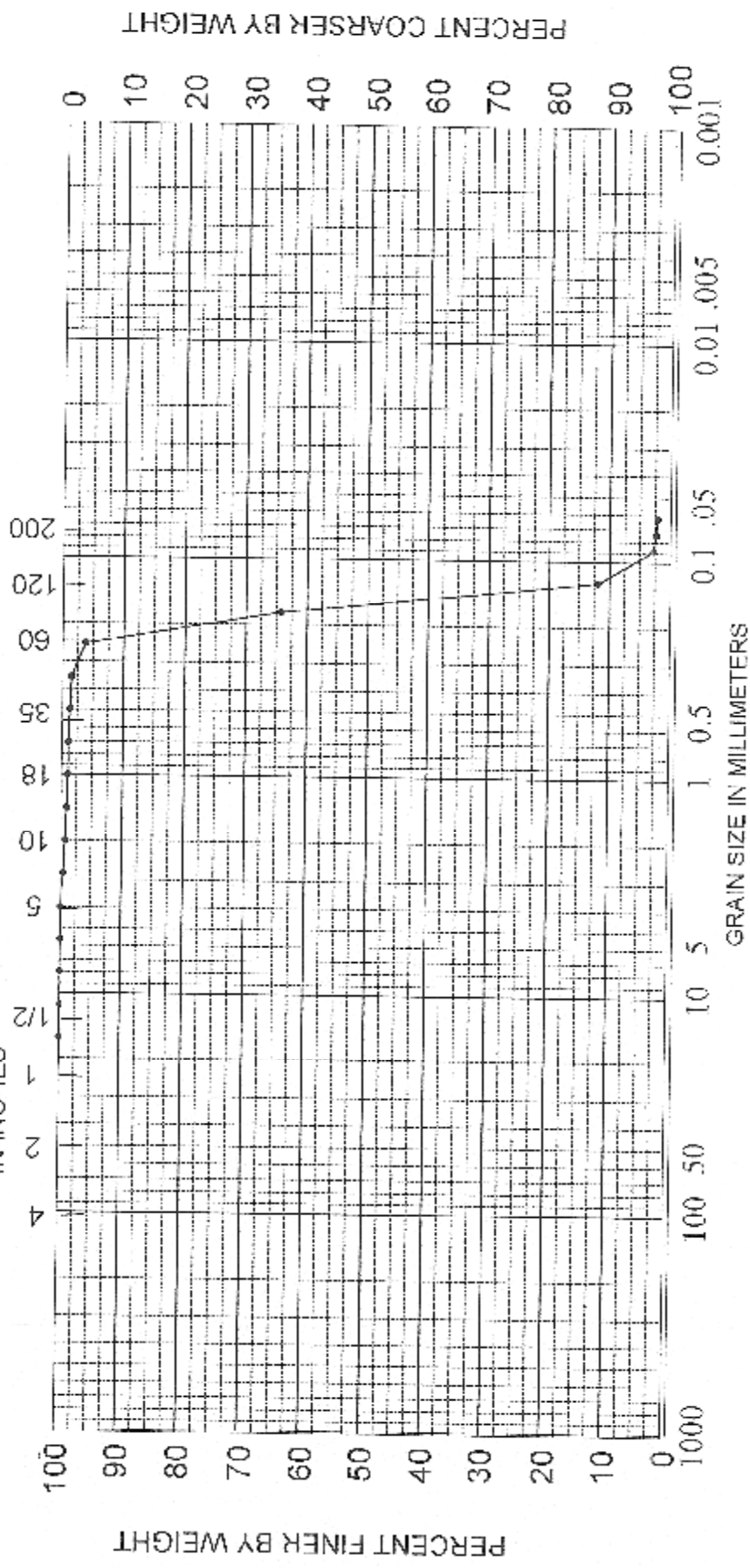
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IN INCHES



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO	ELEV.	CLASSIFICATION				PROJECT Ocean & Associates, Inc. - Cumberland Shogis	
60	-17.8'	Fine quartz sand (SP)				AREA	St. Mary's Inlet, FL
						BORING NO.	SM-6
						DATE	July 2002

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



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
13.0	-24.8'	Fine quartz sand (SP)	Clean & Associates, Inc. - Cumberland Shoals
			AREA St. Mary's Inlet, FL
			BORING NO. SM-6
			DATE July 2002