

## Sediment Analysis Data Sheet

Sample SM-3-3 D

Sieve	Size (mm)	Phi size	Wt %	Cum'l %	Folk	Statistics	
						phi	mm
5/8	16.00	-4.00	0.00	0.00			
1/2	11.31	-3.50	0.00	0.00			
5/16	8.00	-3.00	0.00	0.00			
1/4	5.66	-2.50	0.00	0.00			
5	4.00	-2.00	0.17	0.37	5% :	0.69	0.62
7	2.83	-1.50	0.11	0.36	16% :	1.90	0.27
10	2.00	-1.00	0.17	0.54	25% :	2.55	0.17
14	1.41	-0.50	0.17	0.54	50% :	2.87	0.14
18	1.00	0.00	0.31	1.00	75% :	3.23	0.11
25	0.71	0.50	0.43	1.38	84% :	3.36	0.10
35	0.50	1.00	0.66	2.11	95% :	3.51	0.09
45	0.35	1.50	1.71	5.46	Med	2.87	0.14
60	0.25	2.00	1.65	5.28	Mean	2.71	0.15
80	0.18	2.50	1.39	4.46	St Dev	0.79	
120	0.13	3.00	11.97	38.36	Skew	-0.44	
170	0.09	3.50	10.41	33.36	Kurt.	1.70	
200	0.07	3.75	1.06	3.38			
250	0.06	4.00	0.33	1.07			
Pan			0.03	0.10			
Total			30.52	97.80			
					Moment Statistics		
						Phi	mm
Cu =	1.64	Gravel		0	%	Mean	2.61
		Coarse Sand		1	%	St. Dev.	0.94
		Med. Sand		8	%	Skewness	-2.26
Cc =	0.93	Fine Sand		89	%	Kurtosis	8.99
		Silt/Clay		2	%		

## Sediment Analysis Data Sheet

Sample SM-3-7.0

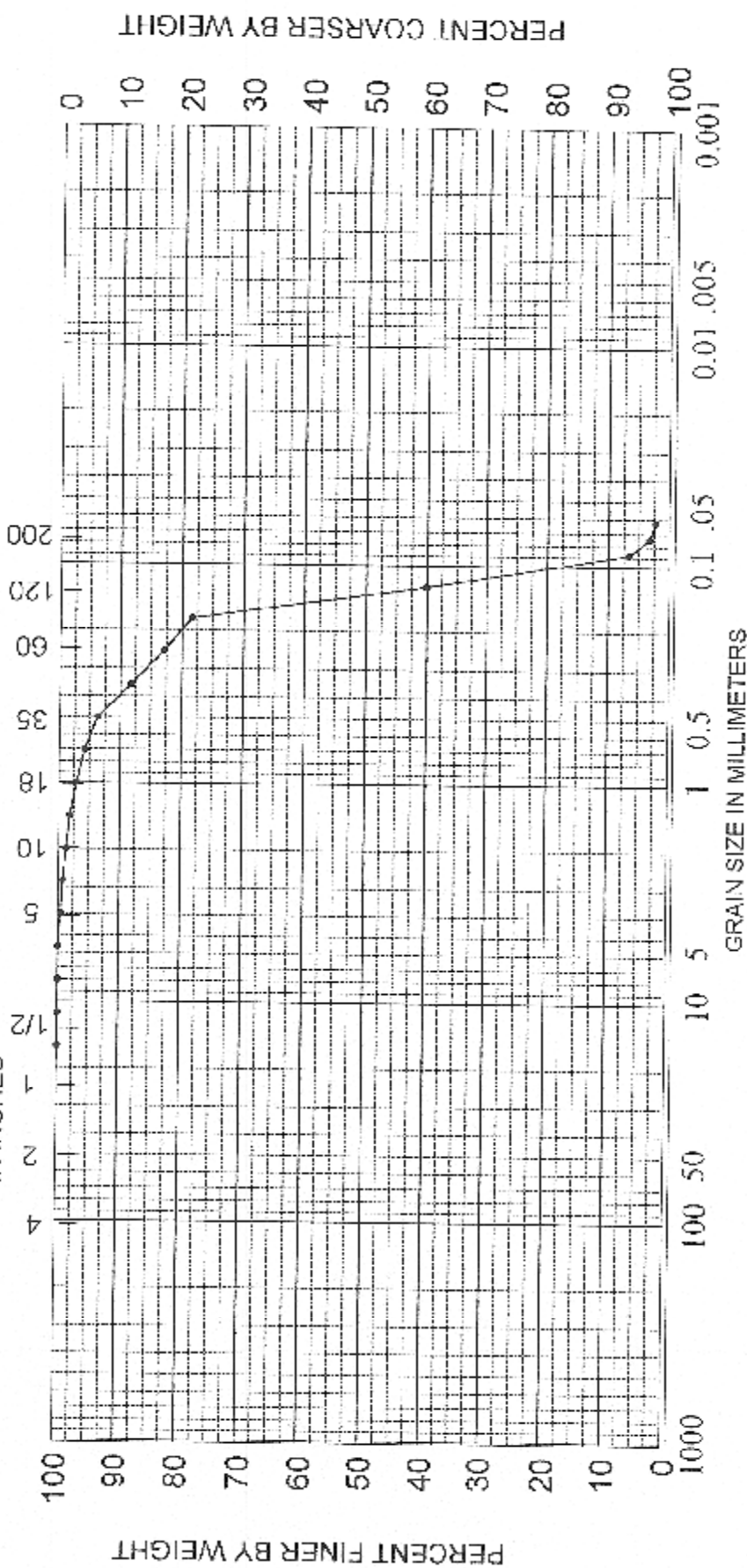
Sieve	Size (mm)	Phi size	Wt %	Wt %	Cum. %	Fels.	Statistics	
							phi	mm
5/8	16.00	-4.00	0.00	0.00	0.00			
1/2	11.31	-3.50	0.00	0.00	0.00			
5/16	8.00	-3.00	0.32	0.92	0.92			
1/4	5.66	-2.50	0.30	0.60	0.92	5% :	1.88	0.27
5	4.00	-2.00	0.08	0.24	1.16	16% :	2.23	0.21
7	2.83	-1.50	0.14	0.40	1.56	25% :	2.44	0.18
10	2.00	-1.00	0.10	0.30	1.86	50% :	2.71	0.15
14	1.41	-0.50	0.09	0.25	2.11	75% :	2.94	0.13
18	1.00	0.00	0.05	0.14	2.25	84% :	3.07	0.12
25	0.71	0.50	0.05	0.14	2.39	95% :	3.43	0.09
35	0.50	1.00	0.08	0.22	2.61			
45	0.35	1.50	0.21	0.60	3.21	Med.	2.71	0.15
60	0.25	2.00	0.82	2.36	5.57	Mean	2.67	0.16
80	0.18	2.50	7.74	22.23	27.80	St Dev.	0.44	
120	0.13	3.00	18.80	54.03	81.83	Skew	-0.10	
170	0.09	3.50	5.31	15.26	97.10	Kurt.	1.27	
200	0.07	3.75	0.26	0.75	97.85			
230	0.06	4.00	0.07	0.26	98.05			
Psn			0.02	0.05	98.10			
Total			34.14	98.10	98.10			
						Moment Statistics		
							Phi	mm
Cu =	1.57		Gravel	1	%	Mean	2.57	0.17
			Coarse Sand	1	%	St. Dev.	0.84	0.56
			Med. Sand	1	%	Skewness	-4.68	
Cc =	1.07		Fine Sand	95	%	Kurtosis	29.88	
			Silt/Clay	2	%			

## Sediment Analysis Data Sheet

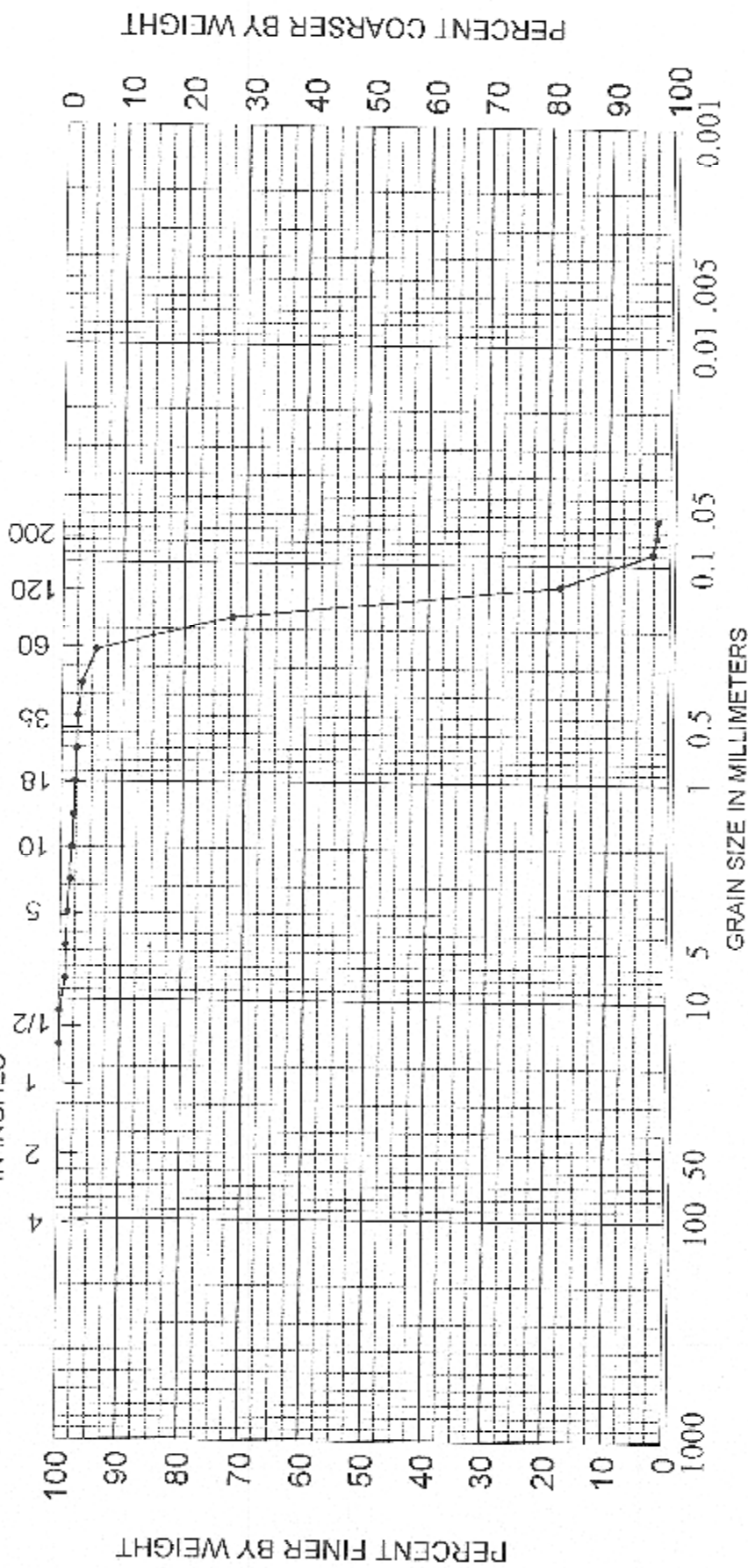
Sample SM-3-12.0

Sieve	Size (mm)	Phi size	Wt %	Cumul %	Folk	Statistics	
						phi	mm
5/8	15.00	-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	4.00	-2.00	0.00	0.00	0.00	5% :	2.06 0.24
7	2.83	-1.50	0.01	0.04	0.04	16% :	2.42 0.19
10	2.00	-1.00	0.10	0.30	0.34	25% :	2.56 0.17
14	1.41	-0.50	0.09	0.28	0.62	50% :	2.78 0.15
18	1.00	0.00	0.09	0.26	0.88	75% :	3.01 0.12
25	0.71	0.50	0.08	0.25	1.13	84% :	3.25 0.11
35	0.50	1.00	0.10	0.30	1.42	95% :	3.76 0.07
45	0.35	1.50	0.13	0.39	1.81	Med.	2.78 0.15
60	0.25	2.00	0.40	1.20	3.01	Mean	2.82 0.14
80	0.18	2.50	5.10	15.36	18.36	St Dev.	0.46
120	0.13	3.00	18.63	56.10	74.46	Skew	0.14
175	0.09	3.50	6.40	19.28	93.74	Kurt.	1.53
200	0.07	3.75	0.41	1.23	94.97		
230	0.06	4.00	0.14	0.43	95.41		
Pan			0.06	0.19	95.60		
Total			31.74	95.60	95.60		
						Moment Statistics	
						Phi	mm
Cu =	1.64		Gravel	0	%	Mean	2.72 0.15
			Coarse Sand	0	%	St. Dev.	0.52 0.70
			Med. Sand	1	%	Skewness	-3.42
Cc =	1.13		Fine Sand	94	%	Kurtosis	23.85
			Silt/Clay	5	%		

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



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 Olsen & Associates, Inc. - Cumberland Shoals
7.0	-17.5'	Fine quartz sand (SP)				AREA St. Mary's Inlet, FL
						BORING NO. SM-3
						DATE July 2002

