

Sediment Analysis Data Sheet

Sample SM-7-1.0

Sieve	Size (mm)	Phi size	Wt %	Wt %	Cum'd %	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	4.00	-2.00	0.09	0.25	0.25	5% :	0.57	0.67
7	2.83	-1.50	0.23	0.68	0.93	16% :	2.04	0.24
10	2.00	-1.00	0.31	0.90	1.83	25% :	2.17	0.22
14	1.41	-0.50	0.28	0.83	2.66	50% :	2.50	0.18
18	1.00	0.00	0.32	0.94	3.59	75% :	2.78	0.15
25	0.71	0.50	0.40	1.17	4.77	84% :	2.87	0.14
35	0.50	1.00	0.58	1.69	6.46	95% :	2.99	0.13
45	0.35	1.50	0.77	2.25	8.71	Med.	2.50	0.18
60	0.25	2.00	1.41	4.11	12.81	Mean	2.47	0.18
80	0.18	2.50	12.60	36.77	49.59	St Dev	0.58	
120	0.13	3.00	15.75	45.98	95.57	Skew	-0.35	
170	0.09	3.50	1.18	3.44	99.01	Kurt.	1.63	
200	0.07	3.75	0.65	0.14	99.14			
230	0.06	4.00	0.01	0.04	99.18			
Pan			0.01	0.02	99.20			
Total			33.98	99.20	99.20			
						Moment	Statistics	
Cu -	1.48		Gravel	0	%	Mean	Phi	mm
			Coarse Sand	2	%	St. Dev.	0.82	0.29
			Med. Sand	6	%	Skewness	-2.93	0.57
Ce -	0.91		Fine Sand	92	%	Kurtosis	12.98	
			Silt/Clay	1	%			

Sediment Analysis Data Sheet

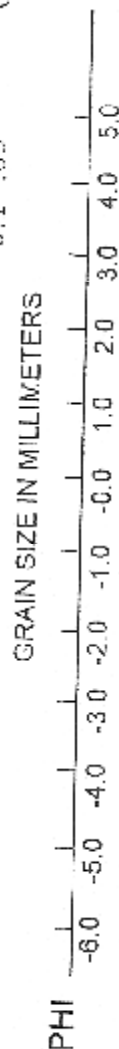
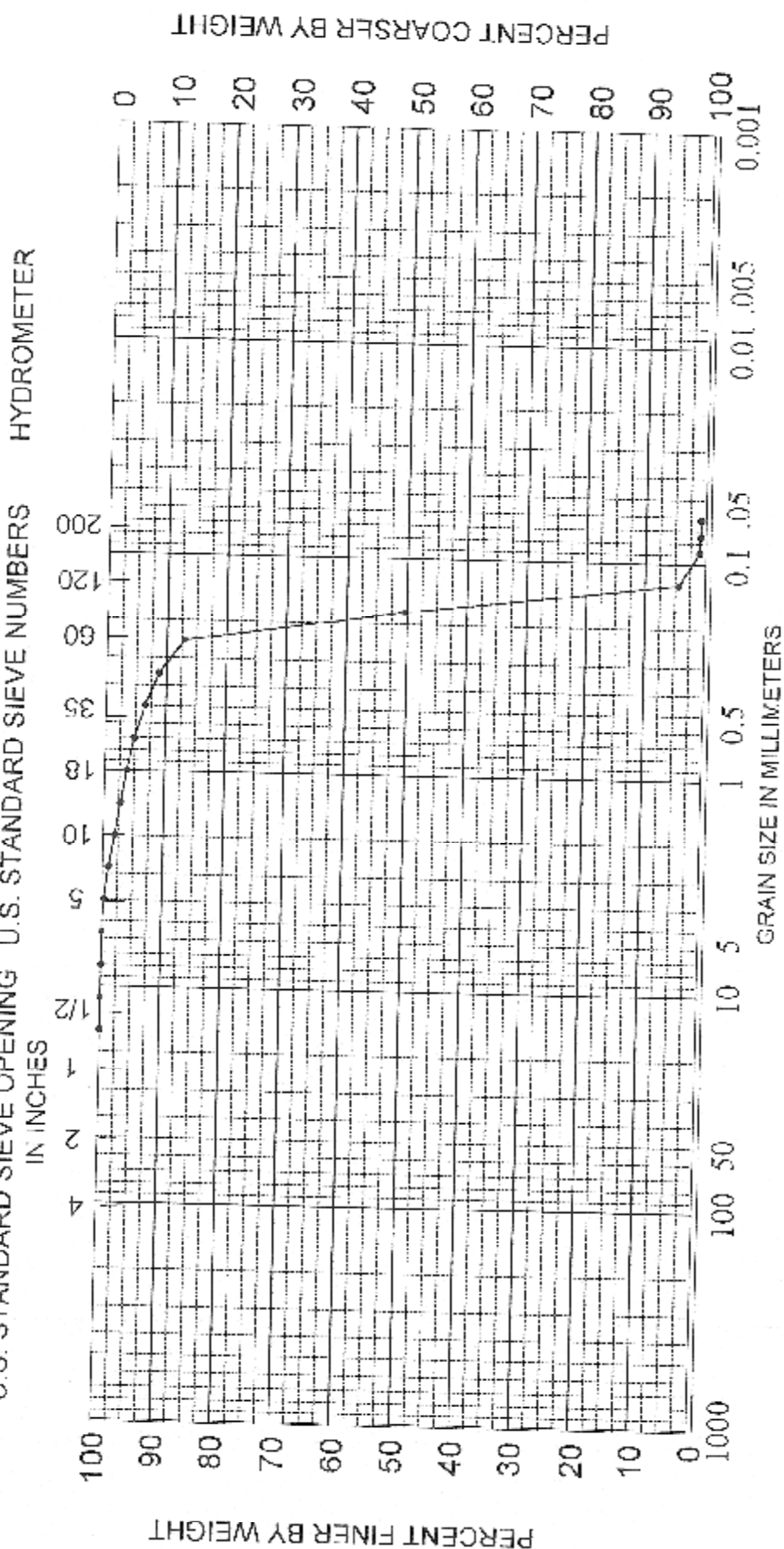
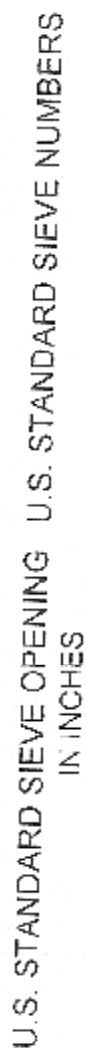
Sample SM-7-7.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cum'l %	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	1.64	1.64			
1/4	5.66	-2.50	1.17	3.24	4.88	5%	2.47	5.53
5	4.00	-2.00	0.68	1.86	6.74	16%	-1.05	2.07
7	2.83	-1.50	1.55	4.27	11.01	25%	-0.26	1.20
10	2.00	-1.00	2.00	5.52	16.53	50%	1.13	0.46
14	1.41	-0.50	2.03	5.60	22.13	75%	2.16	0.22
18	1.00	0.00	2.15	5.93	28.26	84%	2.56	0.17
25	0.71	0.50	3.04	8.39	36.45	95%	2.94	0.13
35	0.50	1.00	3.70	10.22	46.67			
45	0.35	1.50	4.82	13.31	59.98	Med.	1.13	0.46
60	0.25	2.00	4.20	11.60	71.58	Mean	0.88	0.54
80	0.18	2.50	3.81	10.52	82.10	St Dev	1.72	
120	0.13	3.00	5.31	14.65	96.75	Skew	-0.27	
170	0.09	3.50	0.70	1.93	98.68	Kurt.	0.92	
200	0.07	3.75	0.05	0.14	98.83			
230	0.06	4.00	0.02	0.06	98.89			
Pan			0.00	0.01	98.90			
Total			35.82	98.90	98.90			
						Moment	Statistics	
							Phi	mm
Cu =	4.27	Gravel			6	%	Mean	0.80
		Coarse Sand			11	%	St. Dev.	0.57
		Med. Sand			37	%	Skewness	0.32
Cc =	0.75	Fine Sand			46	%	Kurtosis	2.55
		Silt/Clay			1	%		

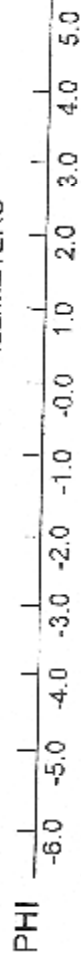
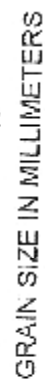
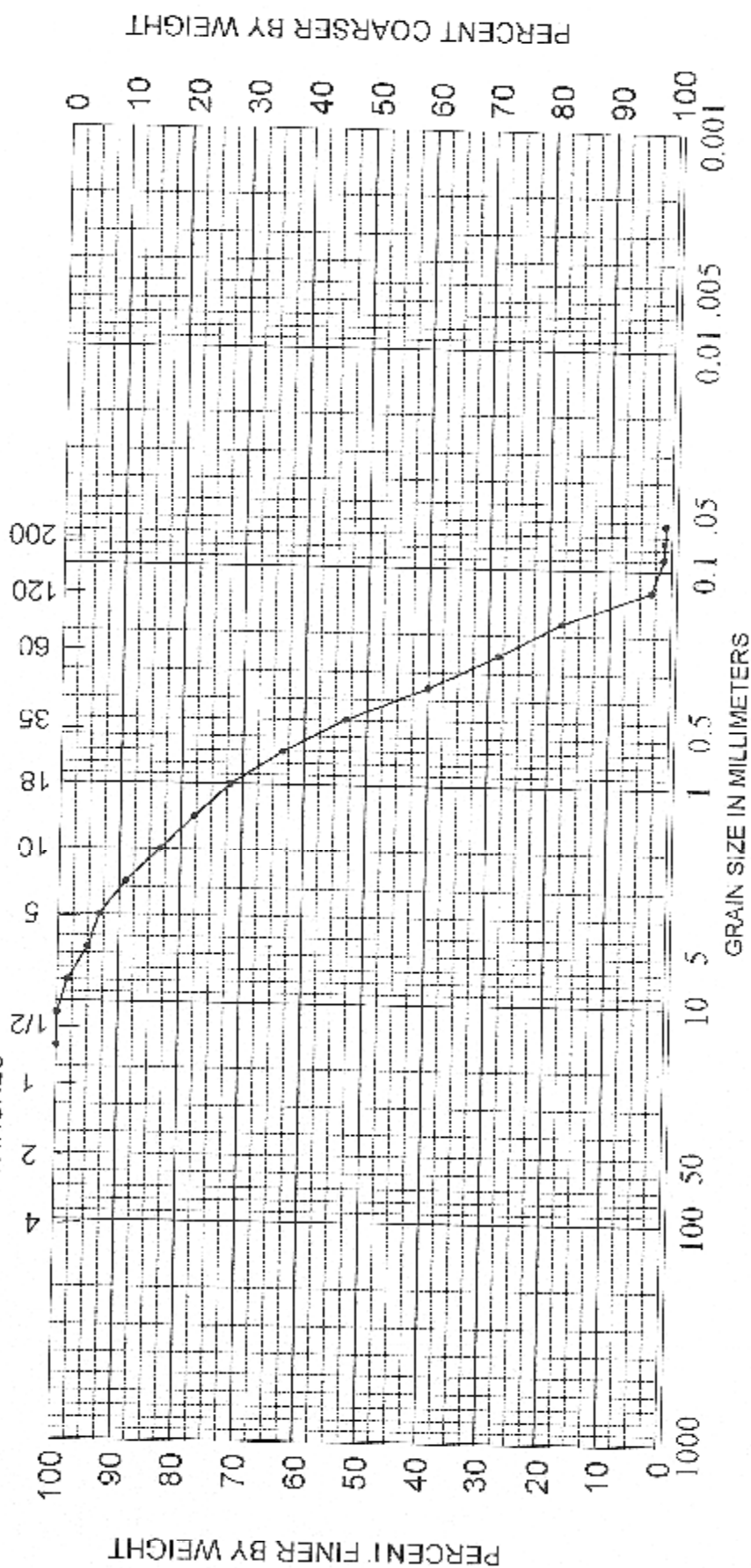
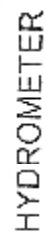
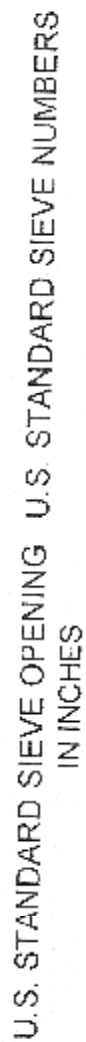
Sediment Analysis Data Sheet

Sample SM-7-15.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cont. %	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	4.00	-2.00	0.00	0.00	0.00	5% :	2.31	0.20
7	2.83	-1.50	0.00	0.00	0.00	16% :	2.56	0.17
10	2.00	-1.00	0.00	0.00	0.00	25% :	2.63	0.16
14	1.41	-0.50	0.01	0.04	0.04	50% :	2.82	0.14
18	1.00	0.00	0.00	0.01	0.05	75% :	3.01	0.12
25	0.71	0.50	0.02	0.05	0.10	84% :	3.21	0.11
35	0.50	1.00	0.01	0.03	0.13	95% :	3.45	0.09
45	0.35	1.50	0.02	0.07	0.20	Med.	2.82	0.14
60	0.25	2.00	0.12	0.37	0.56	Mean	2.86	0.14
80	0.18	2.50	2.37	7.16	7.73	St Dev.	0.34	
120	0.13	3.00	22.14	66.82	74.55	Skew	0.16	
170	0.09	3.50	7.48	22.57	97.11	Kurt.	1.23	
200	0.07	3.75	0.37	1.11	98.23			
250	0.06	4.00	0.10	0.30	98.53			
Pan			0.02	0.07	98.60			
Total			32.66	98.60	98.60			
						Moment		
						Statistics		
							Phi	mm
Cu =	1.52		Gravel	0	%	Mean	2.83	0.14
			Coarse Sand	0	%	St. Dev.	0.31	0.81
			Med. Sand	0	%	Skewness	-1.10	
Cc =	1.11		Fine Sand	98	%	Kurtosis	14.59	
			Silt/Clay	1	%			



SAMPLE NO.	ELEV.	CLASSIFICATION					PROJECT	DATE	
		GRAVEL		SAND					AREA
		COBBLES	COARSE	FINE	COARSE	MEDIUM	FINE		
1.0	-8.4'		Fine quartz sand (SP)					St. Mary's Inlet, FL	
								BORING NO. SM-7	
									July 2002



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT Olsen & Associates, Inc. - Cumberland Shoals
7.0	-14.4'	Medium to fine quartz sand	AREA St. Mary's Inlet, FL
		grading to coarse sand and trace of	BORING NO. SM-7
		carbonate gravel (SP)	DATE July 2002

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

IN INCHES

