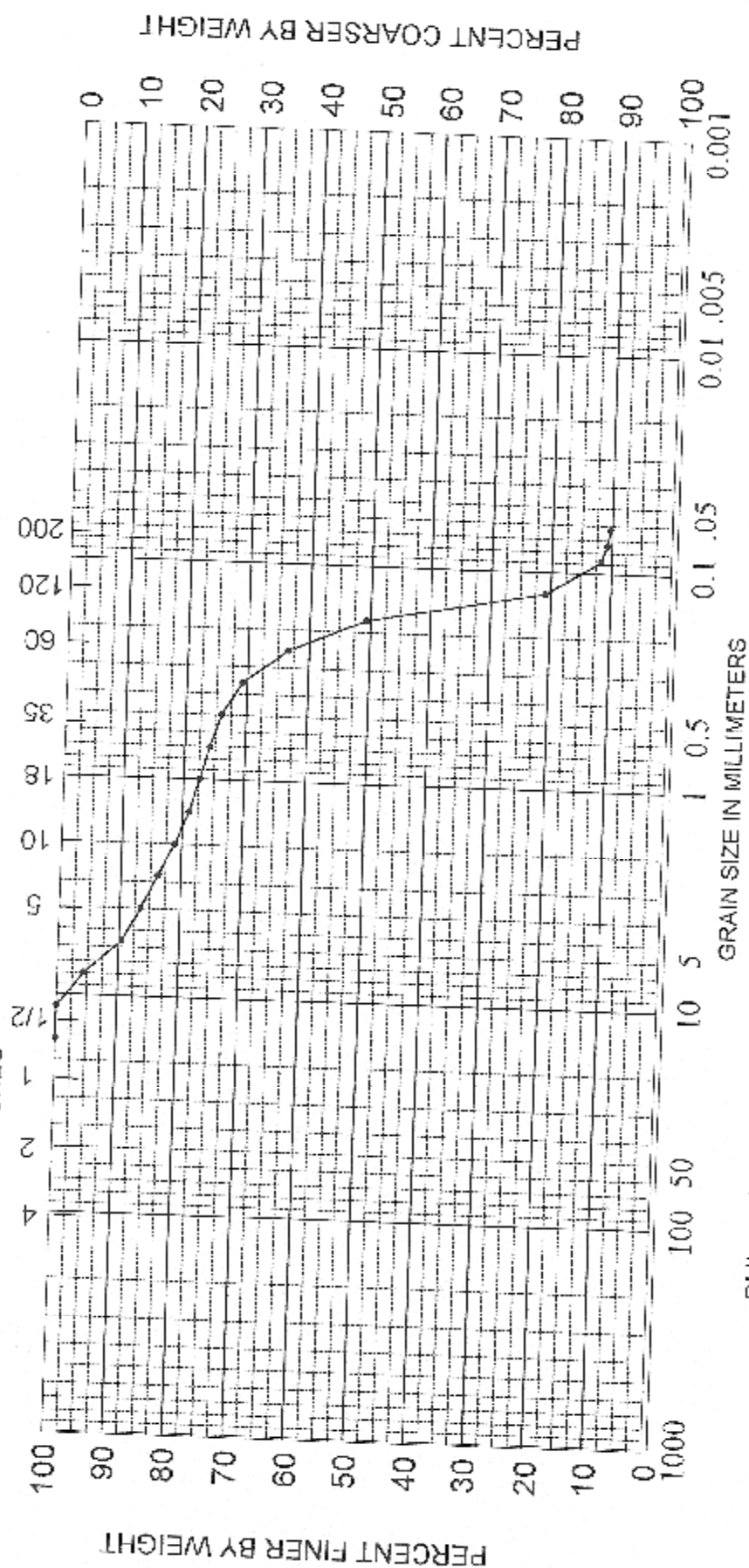


Sediment Analysis Data Sheet

Sample SM-9-1.5

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	1.45	4.30	4.30			
1/4	5.66	-2.50	2.08	6.19	10.49	5% :	-2.94	7.69
5	4.00	-2.00	1.00	2.96	13.45	16% :	-1.54	2.91
7	2.83	-1.50	0.94	2.78	16.23	25% :	0.77	0.59
10	2.00	-1.00	0.86	2.56	18.79	50% :	2.51	0.18
14	1.41	-0.50	0.74	2.20	20.99	75% :	2.93	0.13
18	1.00	0.00	0.53	1.56	22.55	84% :	3.27	0.10
25	0.71	0.50	0.50	1.50	24.05	95% :	4.50	0.04
35	0.50	1.00	0.59	1.76	25.81			
45	0.35	1.50	1.15	3.43	29.24	Med.	2.51	0.18
60	0.25	2.00	2.45	7.27	36.50	Mean	1.41	0.38
80	0.18	2.50	4.32	12.83	49.33	St Dev.	2.33	
120	0.13	3.00	10.02	29.76	79.09	Skew	-0.58	
170	0.09	3.50	3.08	9.14	88.24	Kurt.	1.41	
200	0.07	3.75	0.32	0.96	89.20			
230	0.06	4.00	0.13	0.40	89.59			
Pan			0.04	0.11	89.70			
Total			30.19	89.70	89.70			
						Moment Statistics		
							Phi	mm
Cu =	0.23	Gravel			12 %	Mean	1.30	0.41
		Coarse Sand			7 %	St. Dev.	2.12	0.23
		Med. Sand			9 %	Skewness	-1.06	
Cc =	0.08	Fine Sand			62 %	Kurtosis	2.57	
		Silt/Clay			10 %			

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



SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT
1.5	-18.4'	Silty fine quartz sand mixed with carbonate gravel (SM)	Olsen & Associates, Inc. - Cumberland Shoals
			AREA St. Mary's Inlet, FL
			BORING NO. SM-9
			DATE July 2002