

ENG FORM 1836 PREVIOUS EDITIONS ARE OBSOLETE.
MAR 71

Sediment Analysis Data Sheet

Sample SM-5R2-3.0

Sieve	Size (mm)	Phi 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% :	2.04	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	0.25	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

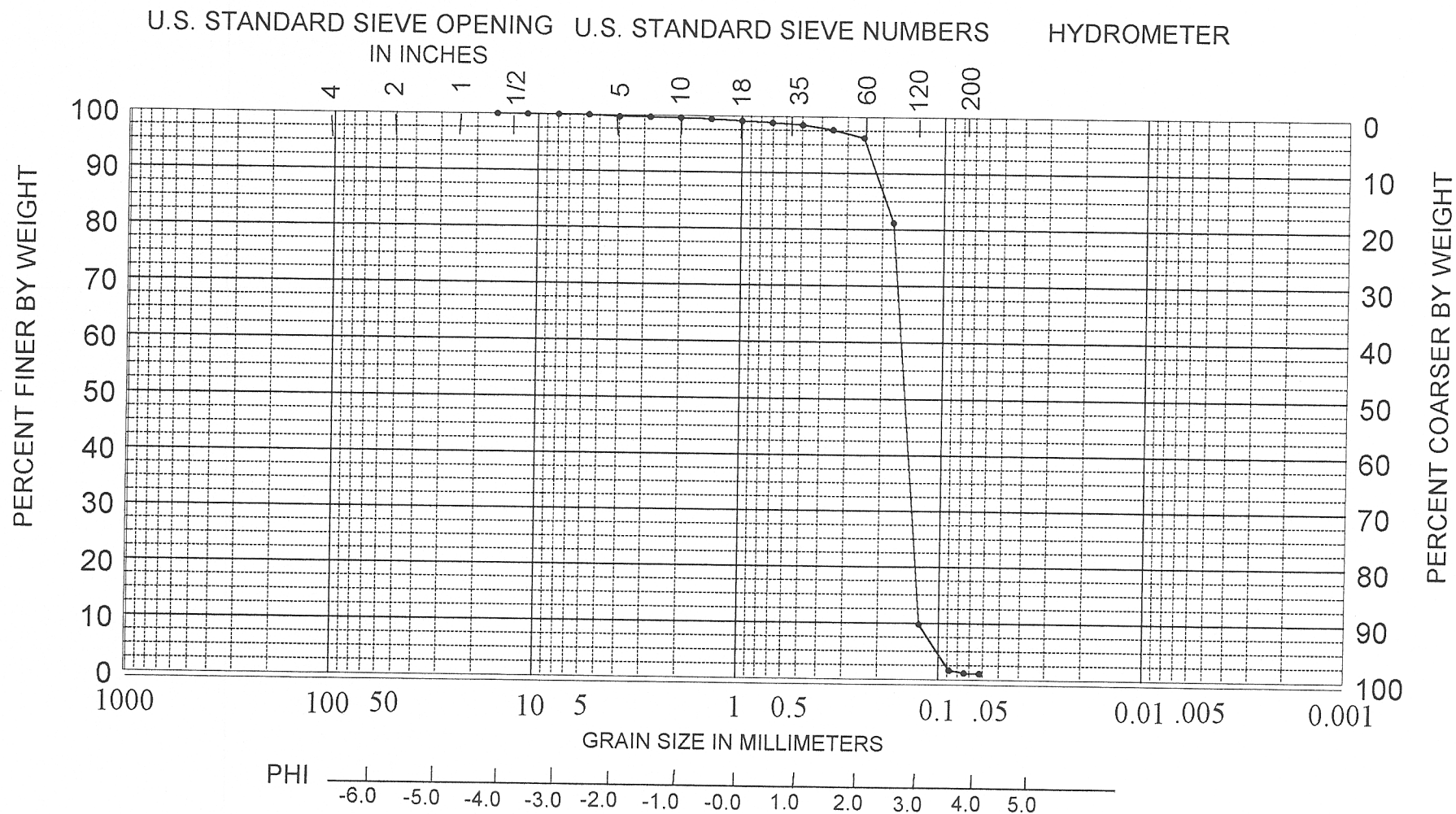
Sample SM-5R2-9.0

Sieve	Size (mm)	Phi size	Wt	Wt %	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	0.32	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	Med.	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	0.49	98.42			
230	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

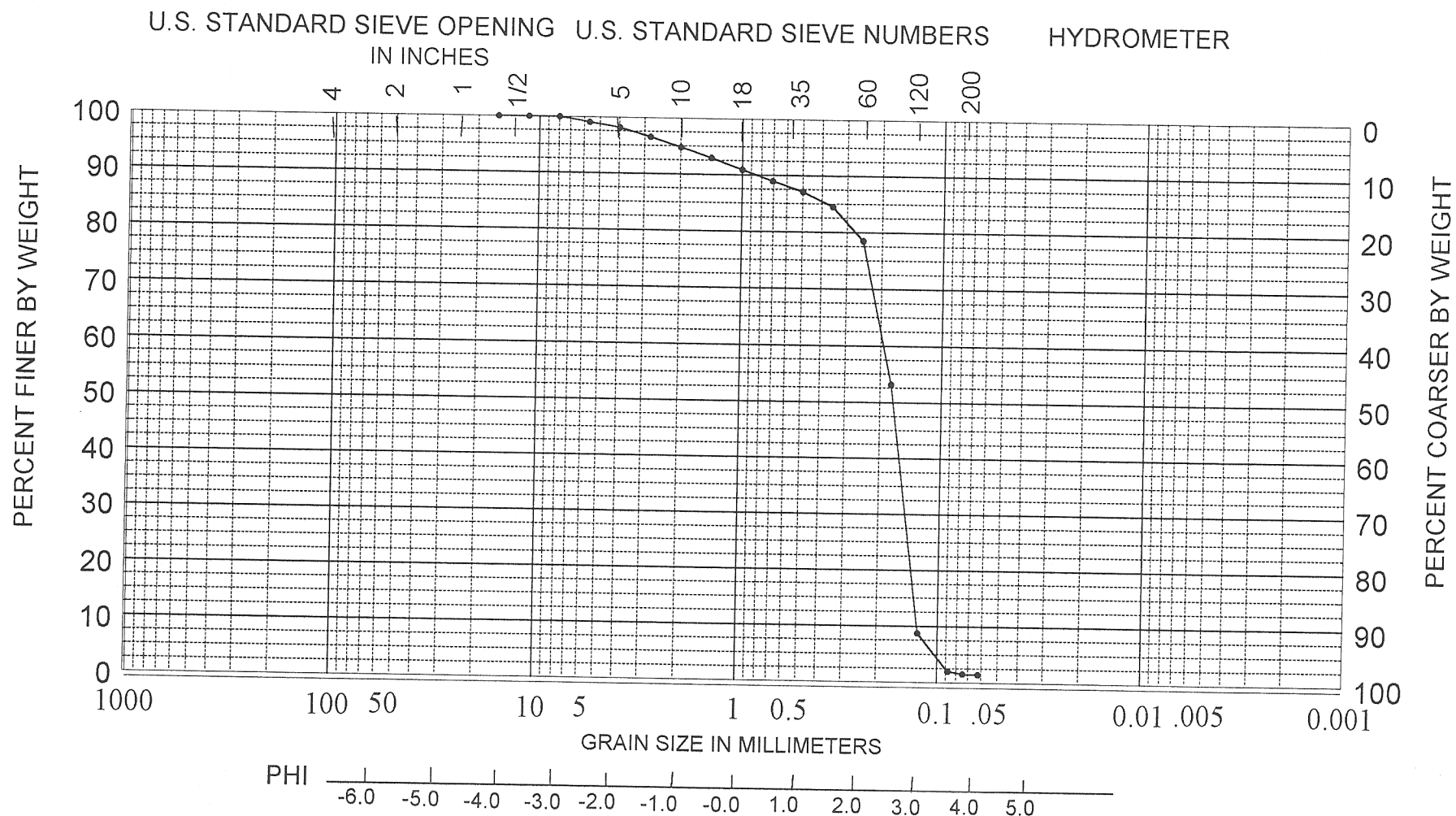
Sample SM-5R2-13.0

Sieve	Size (mm)	Phi size	Wt	Wt %	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	0.55	1.67	1.67			
1/4	5.66	-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	4.06	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	
120	0.13	3.00	0.95	2.88	98.56	Skew	-0.02	
170	0.09	3.50	0.25	0.76	99.32	Kurt.	0.97	
200	0.07	3.75	0.02	0.05	99.36			
230	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			



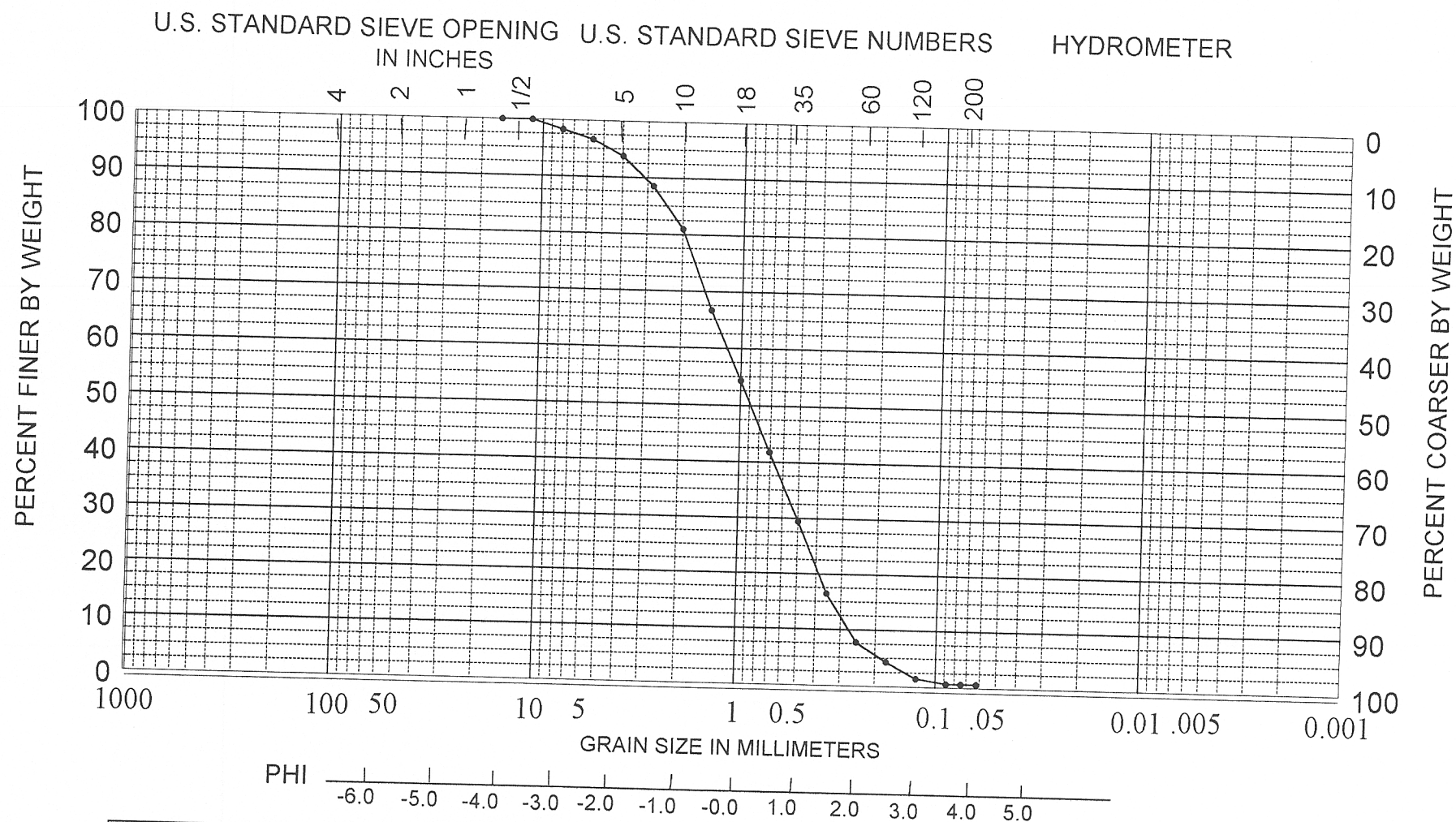
COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

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



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT Olsen & Associates, Inc. - Cumberland Shoals
9.0	-20.9'	Fine quartz sand (SP)	AREA St. Mary's Inlet, FL
			BORING NO. SM-5R2
			DATE July 2002



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