

## Sediment Analysis Data Sheet

Sample SM-4-1.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Coml %	Folk	Statistics	
							phi	mm
5/8	16.00	-4.00	4.22	11.96	11.96			
1/2	11.31	-3.50	0.00	0.00	11.96			
5/16	8.00	-3.00	0.00	0.00	11.96			
1/4	5.66	-2.50	1.37	3.88	15.84			
5	4.00	-2.00	1.61	4.55	20.39	5% :	4.50	22.63
7	2.83	-1.50	1.54	4.35	24.74	16% :	-2.48	5.59
10	2.00	-1.00	1.27	3.59	28.33	25% :	-1.46	2.76
14	1.41	-0.50	1.48	4.19	32.52	50% :	1.62	0.33
18	1.00	0.00	1.39	3.93	36.45	75% :	2.80	0.14
25	0.71	0.50	1.48	4.19	40.64	84% :	2.97	0.13
35	0.50	1.00	1.31	3.70	44.34	95% :	3.37	0.10
45	0.35	1.50	1.68	4.75	49.09	Med.	1.62	0.33
60	0.25	2.00	1.35	3.81	52.90	Mean	0.70	0.61
80	0.18	2.50	1.91	5.39	58.29	St Dev.	2.55	
120	0.13	3.00	9.68	27.39	85.69	Skew	-0.53	
170	0.09	3.50	4.48	12.69	98.38	Kurt.	0.76	
200	0.07	3.75	0.28	0.79	99.16			
230	0.06	4.00	0.07	0.19	99.35			
Pan			0.02	0.05	99.40			
Total			35.11	99.40	99.40			
						Moment	Statistics	
Cr =	6.71	Gravel			18	Mean	Phi	mm
		Coarse Sand			10	St. Dev.	0.61	0.65
		Med. Sand			18	Skewness	2.57	0.17
Cc =	0.28	Fine Sand			53	Kurtosis	0.69	
		Silt/Clay			1		2.07	

## Sediment Analysis Data Sheet

Sample SM-4-5.0

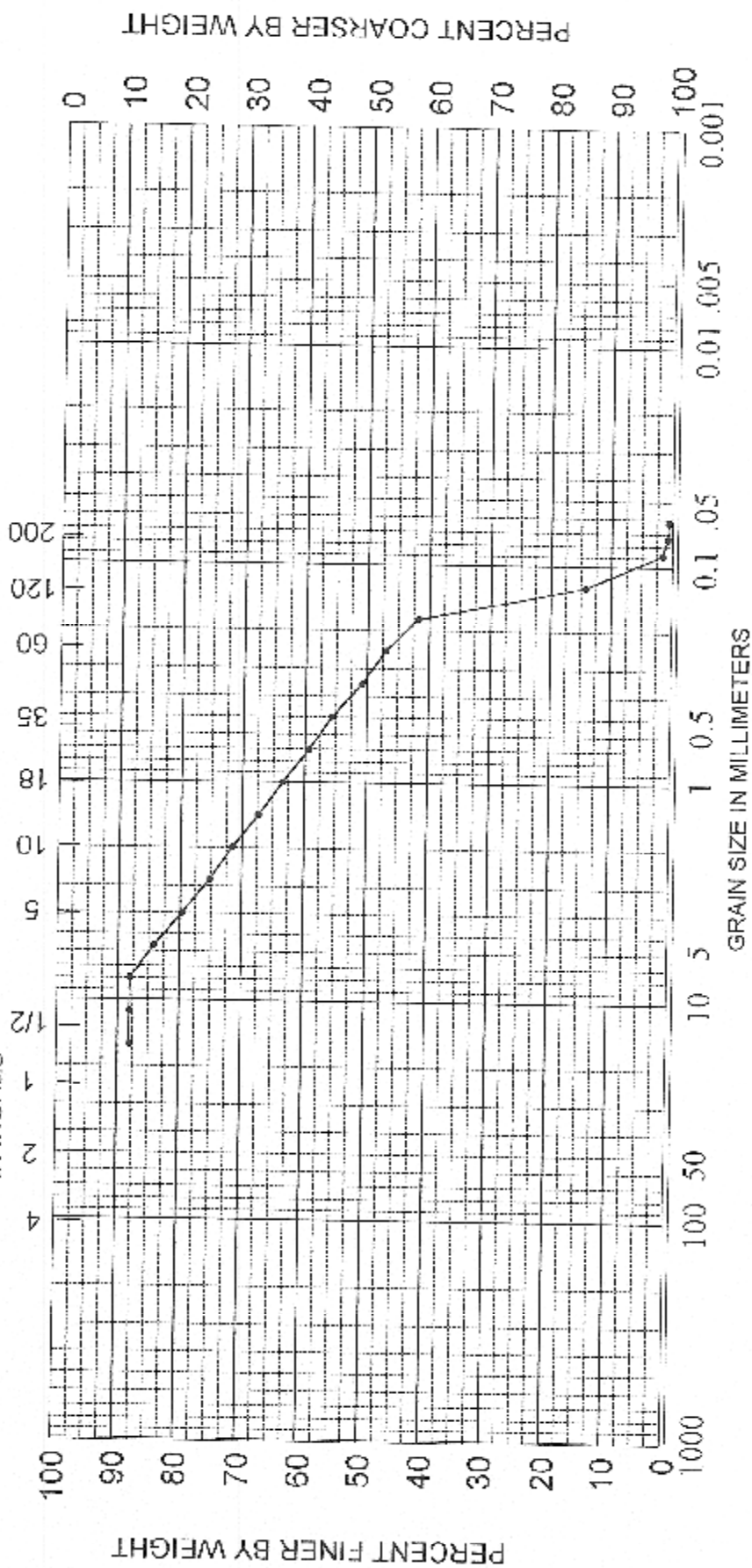
Sieve	Size (mm)	Phi size	Wt	Wt %	Cl. (mm)	Folk	Statistics	
							phi	mm
5/8	6.00	-4.00	0.00	0.00	0.00			
1/2	11.31	-3.50	0.00	0.00	0.00			
5/16	8.00	-3.00	0.00	0.00	0.00			
1/4	5.66	-2.50	0.05	0.16	0.16	5%	-6.02	1.01
5	4.00	-2.00	0.25	0.78	0.94	16%	1.64	0.52
7	2.83	-1.50	0.27	0.84	1.79	25%	1.92	0.26
10	2.00	-1.00	0.28	0.85	2.63	50%	2.28	0.21
14	1.41	-0.50	0.44	1.34	3.97	75%	2.64	0.16
18	1.00	0.00	0.35	1.07	5.04	84%	2.82	0.14
25	0.71	0.50	0.38	1.17	6.21	95%	3.31	0.10
35	0.50	1.00	0.57	1.76	7.97			
45	0.35	1.50	1.22	3.75	11.72	Med.	2.28	0.21
60	0.25	2.00	5.15	15.83	27.55	Mean	2.25	0.21
80	0.18	2.50	13.28	40.81	68.36	St Dev	0.80	
120	0.13	3.00	7.83	24.07	92.43	Skew	-0.23	
170	0.09	3.50	1.37	4.20	96.63	Kurt.	1.90	
200	0.07	3.75	0.13	0.40	97.03			
250	0.06	4.00	0.06	0.19	97.21			
Fan			0.03	0.09	97.30			
Total			31.66	97.30	97.30			
						Moment Statistics		
							Phi	mm
Cc =	1.74	Gravel		1	%	Mean	2.07	0.24
		Coarse Sand		2	%	St. Dev.	0.95	0.52
		Med. Sand		7	%	Skewness	-2.43	
Cc =	1.02	Fine Sand		87	%	Kurtosis	10.19	
		Silt/Clay		3	%			

## Sediment Analysis Data Sheet

Sample SM-4-11.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cum'l %	Folk	Statistics	
							phi	mm
5/8	6.60	-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	1.17	3.36	3.36			
1/4	5.66	-2.50	1.33	3.82	7.18	5%	-2.79	6.89
5	4.00	-2.00	1.35	3.89	11.07	16%	-1.39	2.61
7	2.83	-1.50	1.27	3.65	14.72	25%	-0.65	1.57
10	2.00	-1.00	1.95	5.60	20.32	50%	0.83	0.56
14	1.41	-0.50	2.33	6.70	27.02	75%	1.42	0.37
18	1.00	0.00	2.17	6.23	33.25	84%	1.72	0.30
25	0.71	0.50	2.69	7.71	40.96	95%	2.45	0.18
35	0.50	1.00	4.82	13.85	54.82			
45	0.35	1.50	8.30	23.83	78.65	Med.	0.83	0.56
60	0.25	2.00	4.16	11.95	90.60	Mean	0.39	0.76
80	0.18	2.50	1.70	4.88	95.48	St Dev.	1.57	
120	0.13	3.00	0.98	2.82	98.29	Skew	-0.40	
170	0.09	3.50	0.25	3.70	99.00	Kurt.	1.03	
200	0.07	3.75	0.02	0.07	99.07			
230	0.06	4.00	0.01	0.03	99.10			
Pan			0.00	0.00	99.10			
Total			34.50	99.10	99.10			
						Moment	Statistics	
							Phi	mm
Cu =	2.90	Gravel			9	%	Mean	0.35
		Coarse Sand			11	%	St. Dev.	1.53
		Med. Sand			46	%	Skewness	-0.73
Cc =	0.86	Fine Sand			32	%	Kurtosis	2.71
		Silt/Clay			1	%		

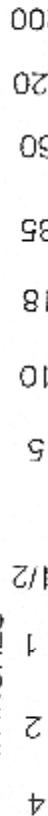
U.S. STANDARD SIEVE OPENING IN INCHES U.S. STANDARD SIEVE NUMBERS HYDROMETER



COBBLES		GRAVEL		SAND		SILT OR CLAY	
COARSE	FINE	COARSE	FINE	MEDIUM	FINE		

CLASSIFICATION		PROJECT Cisen & Associates, Inc. - Cumberland Shoals	
SAMPLE NO.	ELEV.	AREA	St. Mary's Inlet, FL
1.0	-20.7'	BORING NO.	SM-4
		DATE	July 2002

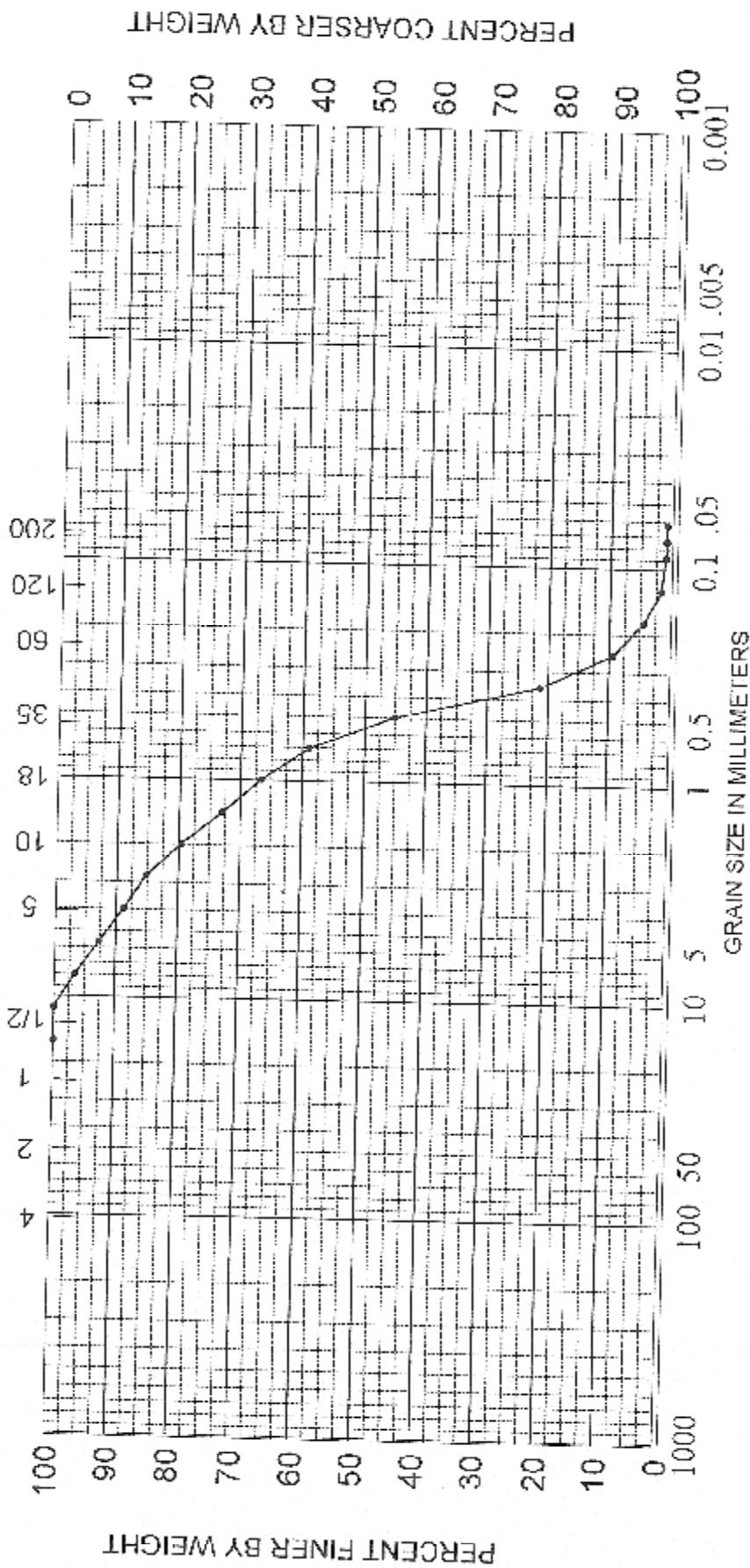
## HYDROMETER



COBBLES	GRAVEL			SAND		SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT O'Sen & Associates Inc. - Cumberland Shoa.s
5.0	-24.7'	Fine quartz sand (SP)	AREA St. Mary's Inlet, FL
			BORING NO. SM-4
			DATE July 2002

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



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GRAIN SIZE IN MILLIMETERS

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

CLASSIFICATION		PROJECT Olsen & Associates, Inc. - Cumberland Shells	
SAMPLE NO.	ELEV.	Medium to fine quartz sand grading to coarse sand and carbonate gravel (SP)	AREA St. Mary's Inlet, FL
11.0	-30.7'		BORING NO. SM-4
			DATE July 2002