


Granularmetric Report Depths and elevations based on measured values				 Athena Technologies, Inc. 1293 Graham Farm Road McClellanville, SC 29458 ph (843) 887-3800 fax (843) 887-3801			
Project Name: Sarasota County Public Works							
Sample Name: SK-Area1-V03 #A1-V3-1							
Analysis Date: 02-06-14							
Analyzed By: CRM Sr							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
439,404		1,028,212		Florida State Plane West		-42.6 NAVD 88	
USCS:		Munsell:		Comments:			
SP							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
119.74	119.69			#200 - 0.25 #230 - 0.07		83.00	
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	% Passing Sieve	
3/4"	-4.25	19.03		0.00	0.00	100.00	
5/8"	-4.00	16.00		0.00	0.00	100.00	
#3.5	-2.50	5.66		0.23	0.28	99.77	
#4	-2.25	4.76		0.01	0.29	99.76	
#5	-2.00	4.00		0.33	0.69	99.43	
#7	-1.50	2.83		0.68	1.51	98.75	
#10	-1.00	2.00		1.57	3.39	97.18	
#14	-0.50	1.41		4.44	8.71	92.74	
#18	0.00	1.00		6.58	16.59	86.16	
#25	0.50	0.71		13.41	32.65	72.75	
#35	1.00	0.50		21.97	58.96	50.78	
#45	1.50	0.35		20.34	83.32	30.44	
#60	2.00	0.25		18.22	105.14	12.22	
#80	2.50	0.18		6.72	113.19	5.50	
#120	3.00	0.13		4.19	118.21	1.31	
#170	3.50	0.09		0.98	119.38	0.33	
#200	3.75	0.07		0.08	119.47	0.25	
#230	4.00	0.06		0.18	119.69	0.07	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.56	1.90	1.65	1.02	0.42	0.08	-0.75	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.98	0.51	0.98	-0.41	3.86		

Depths and elevations based on measured values



Analyzed By: CRM Sr

Elevation (ft):	
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-46.0 NAVD 88

Comments:

Shells (%):

% Passing
Sieve

100.00

100.00

99.45

99.33

99.15

98.83

98.10

96.87

94.93

91.28

85.20

77.11

66.46

54 82

28.62

927

540

395


Phi 95

-0.02

Kurtosis

5.58

GRANULARMETRIC REPORT SIESTA KEY 2-27-14.GPJ FL DEP ROSS.GDT 2/27/14

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Project Name: Sarasota County Public Works							
Sample Name: SK-Area1-V03 #A1-V3-3							
Analysis Date: 02-06-14							
Analyzed By: CRM Sr							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
439,404		1,028,212		Florida State Plane West		-48.1 NAVD 88	
USCS:		Munsell:		Comments:			
SM							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
112.87	104.95			#200 - 14.07 #230 - 7.03			29.00
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	% Passing Sieve	
3/4"	-4.25	19.03		0.00	0.00	100.00	
5/8"	-4.00	16.00		2.61	2.95	97.39	
#3.5	-2.50	5.66		0.46	3.47	96.93	
#4	-2.25	4.76		0.20	3.70	96.73	
#5	-2.00	4.00		0.81	4.61	95.92	
#7	-1.50	2.83		0.86	5.58	95.06	
#10	-1.00	2.00		1.18	6.91	93.88	
#14	-0.50	1.41		5.93	13.60	87.95	
#18	0.00	1.00		2.30	16.20	85.65	
#25	0.50	0.71		2.79	19.35	82.86	
#35	1.00	0.50		3.01	22.75	79.85	
#45	1.50	0.35		2.05	25.06	77.80	
#60	2.00	0.25		3.15	28.61	74.65	
#80	2.50	0.18		5.48	34.80	69.17	
#120	3.00	0.13		21.41	58.97	47.76	
#170	3.50	0.09		23.66	85.68	24.10	
#200	3.75	0.07		10.03	97.00	14.07	
#230	4.00	0.06		7.04	104.95	7.03	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.70	3.48	2.95	1.94	0.30	-1.47	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.15	0.23	1.86	-1.67	5.25		