





<b>Granularmetric Report</b> Depths and elevations based on measured values				  US Army Corps of Engineers 701 San Marco Blvd. Jacksonville, Florida 32207 Phone (904) 396-7121			
Project Name: Sarasota SPP							
Sample Name: VB-SCV09-04 #0.5							
Analysis Date: 06-30-09							
Analyzed By:							
Easting (ft): <div style="text-align: center;">495,206</div>		Northing (ft): <div style="text-align: center;">949,996</div>		Coordinate System:		Elevation (ft): <div style="text-align: center;">-38.5 NAVD88</div>	
USCS: <div style="text-align: center;">SP</div>		Munsell: <div style="text-align: center;">Wet - 5Y 4/2</div>		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%): #230 - 2.24	Organics (%):	Carbonates (%):	Shells (%): 25.00
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/4"	-4.25	19.03		4.33		4.33	
3/8"	-3.25	9.48		3.68		8.01	
#3.5	-2.50	5.66		1.99		10.00	
#4	-2.25	4.75		0.55		10.55	
#5	-2.00	3.99		0.79		11.34	
#7	-1.50	2.82		2.14		13.48	
#10	-1.00	2.00		2.12		15.60	
#14	-0.50	1.41		5.64		21.24	
#18	0.00	1.00		8.07		29.31	
#25	0.50	0.71		13.77		43.08	
#35	1.00	0.50		18.15		61.23	
#45	1.50	0.35		15.74		76.97	
#60	2.00	0.25		12.36		89.33	
#80	2.50	0.18		4.14		93.47	
#120	3.00	0.13		3.28		96.75	
#170	3.50	0.09		0.80		97.55	
#200	3.75	0.07		0.13		97.68	
#230	4.00	0.06		0.08		97.76	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.73	1.78	1.43	0.69	-0.27	-0.96	-4.07	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.25	0.84	1.44	-0.59	3.83		

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Project Name: Sarasota SPP							
Sample Name: VB-SCV09-04 #2.75							
Analysis Date: 07-01-09							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
495,206		949,996				-40.8 NAVD88	
USCS:		Munsell:		Comments:			
SM		Wet - 5Y 6/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
			#230 - 13.35				10.00
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/4"	-4.25	19.03		0.00		0.00	
3/8"	-3.25	9.48		0.33		0.33	
#3.5	-2.50	5.66		0.13		0.46	
#4	-2.25	4.75		0.15		0.61	
#5	-2.00	3.99		0.23		0.84	
#7	-1.50	2.82		0.48		1.32	
#10	-1.00	2.00		1.00		2.32	
#14	-0.50	1.41		3.21		5.53	
#18	0.00	1.00		1.14		6.67	
#25	0.50	0.71		1.43		8.10	
#35	1.00	0.50		1.67		9.77	
#45	1.50	0.35		1.72		11.49	
#60	2.00	0.25		2.33		13.82	
#80	2.50	0.18		4.25		18.07	
#120	3.00	0.13		35.19		53.26	
#170	3.50	0.09		23.50		76.76	
#200	3.75	0.07		6.31		83.07	
#230	4.00	0.06		3.58		86.65	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.81	3.46	2.95	2.60	2.25	-0.58	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.54	0.17	1.26	-2.21	7.96		

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Project Name: Sarasota SPP							
Sample Name: VB-SCV09-04 #6							
Analysis Date: 07-01-09							
Analyzed By:							
Easting (ft): <div style="text-align: center;">495,206</div>		Northing (ft): <div style="text-align: center;">949,996</div>		Coordinate System:		Elevation (ft): <div style="text-align: center;">-44.0 NAVD88</div>	
USCS: <div style="text-align: center;">SM</div>		Munsell: <div style="text-align: center;">Wet - 5Y 6/1</div>		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
			#230 - 17.99				15.00
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/4"	-4.25	19.03		0.00		0.00	
3/8"	-3.25	9.48		2.90		2.90	
#3.5	-2.50	5.66		1.27		4.17	
#4	-2.25	4.75		0.41		4.58	
#5	-2.00	3.99		0.51		5.09	
#7	-1.50	2.82		0.99		6.08	
#10	-1.00	2.00		1.44		7.52	
#14	-0.50	1.41		4.07		11.59	
#18	0.00	1.00		2.22		13.81	
#25	0.50	0.71		3.33		17.14	
#35	1.00	0.50		3.52		20.66	
#45	1.50	0.35		2.78		23.44	
#60	2.00	0.25		2.91		26.35	
#80	2.50	0.18		3.77		30.12	
#120	3.00	0.13		20.77		50.89	
#170	3.50	0.09		18.61		69.50	
#200	3.75	0.07		8.58		78.08	
#230	4.00	0.06		3.93		82.01	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
		3.66	2.98	1.76	0.33	-2.04	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.96	0.26	1.94	-1.44	4.21		

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Project Name: Sarasota SPP							
Sample Name: VB-SCV09-04 #8							
Analysis Date: 07-01-09							
Analyzed By:							
Easting (ft): <b>495,206</b>		Northing (ft): <b>949,996</b>		Coordinate System:		Elevation (ft): <b>-46.0 NAVD88</b>	
USCS: <b>SM</b>		Munsell: <b>Wet - 5Y 5/2</b>		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
			<b>#230 - 20.04</b>				<b>30.00</b>
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/4"	-4.25	19.03		0.00		0.00	
3/8"	-3.25	9.48		2.16		2.16	
#3.5	-2.50	5.66		4.55		6.71	
#4	-2.25	4.75		1.03		7.74	
#5	-2.00	3.99		1.76		9.50	
#7	-1.50	2.82		2.57		12.07	
#10	-1.00	2.00		3.28		15.35	
#14	-0.50	1.41		11.63		26.98	
#18	0.00	1.00		4.12		31.10	
#25	0.50	0.71		6.08		37.18	
#35	1.00	0.50		6.99		44.17	
#45	1.50	0.35		5.41		49.58	
#60	2.00	0.25		4.67		54.25	
#80	2.50	0.18		4.03		58.28	
#120	3.00	0.13		8.16		66.44	
#170	3.50	0.09		6.85		73.29	
#200	3.75	0.07		4.63		77.92	
#230	4.00	0.06		2.04		79.96	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
		3.59	1.54	-0.58	-0.97	-2.78	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.68	0.62	2.05	-0.24	2.1		