






<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-SCV09-03 #2							
Analysis Date: 07-10-09							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
494,223		949,993				-34.8 NAVD88	
USCS:		Munsell:		Comments:			
SW		Wet - 5Y 4/2					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
				#230 - 1.99		3.80	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		0.00		0.00	
3/8"	-3.25	9.48		0.87		0.87	
#3.5	-2.50	5.66		0.98		1.85	
#4	-2.25	4.75		0.11		1.96	
#5	-2.00	3.99		1.03		2.99	
#7	-1.50	2.82		1.93		4.92	
#10	-1.00	2.00		2.70		7.62	
#14	-0.50	1.41		6.17		13.79	
#18	0.00	1.00		6.94		20.73	
#25	0.50	0.71		12.20		32.93	
#35	1.00	0.50		14.37		47.30	
#45	1.50	0.35		15.75		63.05	
#60	2.00	0.25		16.44		79.49	
#80	2.50	0.18		8.65		88.14	
#120	3.00	0.13		7.18		95.32	
#170	3.50	0.09		2.08		97.40	
#200	3.75	0.07		0.45		97.85	
#230	4.00	0.06		0.16		98.01	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.98	2.26	1.86	1.08	0.17	-0.34	-1.48	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.91	0.53	1.32	-0.72	3.83		

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Project Name: Sarasota SPP							
Sample Name: VB-SCV09-03 #2.1							
Analysis Date: 07-20-09							
Analyzed By:							
Easting (ft): <div style="text-align: center;">494,223</div>		Northing (ft): <div style="text-align: center;">949,993</div>		Coordinate System:		Elevation (ft): <div style="text-align: center;">-34.9 NAVD88</div>	
USCS: <div style="text-align: center;">SW</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 - 0.41	Organics (%):	Carbonates (%):	Shells (%): 20.00
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		1.44		1.44	
#3.5	-2.50	5.66		0.32		1.76	
#4	-2.25	4.75		0.37		2.13	
#5	-2.00	3.99		0.15		2.28	
#7	-1.50	2.82		0.85		3.13	
#10	-1.00	2.00		1.72		4.85	
#14	-0.50	1.41		3.27		8.12	
#18	0.00	1.00		4.78		12.90	
#25	0.50	0.71		8.11		21.01	
#35	1.00	0.50		12.98		33.99	
#45	1.50	0.35		18.72		52.71	
#60	2.00	0.25		39.21		91.92	
#80	2.50	0.18		4.51		96.43	
#120	3.00	0.13		2.34		98.77	
#170	3.50	0.09		0.56		99.33	
#200	3.75	0.07		0.16		99.49	
#230	4.00	0.06		0.10		99.59	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.34	1.90	1.78	1.42	0.65	0.19	-0.98	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.09	0.47	1.11	-1.78	7.71		

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Project Name: Sarasota SPP							
Sample Name: VB-SCV09-03 #5.25							
Analysis Date: 06-30-09							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
494,223		949,993				-38.1 NAVD88	
USCS:		Munsell:		Comments:			
SW		Wet - 5Y 4/2					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
				#230 - 2.58			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		0.00		0.00	
3/8"	-3.25	9.48		0.63		0.63	
#3.5	-2.50	5.66		1.09		1.72	
#4	-2.25	4.75		0.24		1.96	
#5	-2.00	3.99		0.44		2.40	
#7	-1.50	2.82		1.10		3.50	
#10	-1.00	2.00		1.86		5.36	
#14	-0.50	1.41		4.42		9.78	
#18	0.00	1.00		6.51		16.29	
#25	0.50	0.71		11.98		28.27	
#35	1.00	0.50		13.41		41.68	
#45	1.50	0.35		15.20		56.88	
#60	2.00	0.25		18.75		75.63	
#80	2.50	0.18		10.82		86.45	
#120	3.00	0.13		8.84		95.29	
#170	3.50	0.09		1.61		96.90	
#200	3.75	0.07		0.34		97.24	
#230	4.00	0.06		0.18		97.42	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.98	2.39	1.98	1.27	0.36	-0.02	-1.09	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.07	0.48	1.25	-0.87	4.3		

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Project Name: Sarasota SPP							
Sample Name: VB-SCV09-03 #7							
Analysis Date: 06-30-09							
Analyzed By:							
Easting (ft): <div style="text-align: center;">494,223</div>		Northing (ft): <div style="text-align: center;">949,993</div>		Coordinate System:		Elevation (ft): <div style="text-align: center;">-39.8 NAVD88</div>	
USCS: <div style="text-align: center;">SP-SM</div>		Munsell: <div style="text-align: center;">Wet - 5Y 6/2</div>		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%): <div style="text-align: center;">#230 - 8.67</div>	Organics (%):	Carbonates (%):	Shells (%): <div style="text-align: center;">15.00</div>
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
#3.5	-2.50	5.66		0.00		0.00	
#4	-2.25	4.75		0.02		0.02	
#5	-2.00	3.99		0.02		0.04	
#7	-1.50	2.82		0.26		0.30	
#10	-1.00	2.00		0.71		1.01	
#14	-0.50	1.41		1.71		2.72	
#18	0.00	1.00		2.67		5.39	
#25	0.50	0.71		4.85		10.24	
#35	1.00	0.50		7.13		17.37	
#45	1.50	0.35		7.69		25.06	
#60	2.00	0.25		11.27		36.33	
#80	2.50	0.18		12.76		49.09	
#120	3.00	0.13		28.28		77.37	
#170	3.50	0.09		9.92		87.29	
#200	3.75	0.07		2.41		89.70	
#230	4.00	0.06		1.63		91.33	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.33	2.96	2.52	1.49	0.90	-0.07	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.04	0.24	1.12	-0.88	3.27		

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Project Name: Sarasota SPP						
Sample Name: VB-SCV09-03 #10.5						
Analysis Date: 06-30-09						
Analyzed By:						
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):
494,223		949,993				-43.3 NAVD88
USCS:		Munsell:		Comments:		
SM		Wet - 5Y 6/2				
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%): Shells (%):
			#230 - 22.55			20.00
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		5.33		5.33
#3.5	-2.50	5.66		2.76		8.09
#4	-2.25	4.75		0.51		8.60
#5	-2.00	3.99		0.65		9.25
#7	-1.50	2.82		0.95		10.20
#10	-1.00	2.00		0.92		11.12
#14	-0.50	1.41		2.79		13.91
#18	0.00	1.00		1.02		14.93
#25	0.50	0.71		1.50		16.43
#35	1.00	0.50		1.90		18.33
#45	1.50	0.35		1.75		20.08
#60	2.00	0.25		2.44		22.52
#80	2.50	0.18		4.23		26.75
#120	3.00	0.13		15.65		42.40
#170	3.50	0.09		19.04		61.44
#200	3.75	0.07		10.78		72.22
#230	4.00	0.06		5.23		77.45
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
		3.88	3.20	2.29	0.36	-3.31
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Statistics	1.89	0.27	2.29	-1.43	3.69	