





Granularmetric Report Depths and elevations based on measured values				 <p>US Army Corps of Engineers 701 San Marco Blvd. Jacksonville, Florida 32207 Phone (904) 396-7121</p>			
Project Name: Sarasota SPP							
Sample Name: VB-SCV09-05 #1.5							
Analysis Date: 07-01-09							
Analyzed By:							
Easting (ft): 496,172		Northing (ft): 949,798		Coordinate System:		Elevation (ft): -42.3 NAVD88	
USCS: SW		Munsell: Wet - 5Y 4/2		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%): #230 - 1.70	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		0.00		0.00	
3/8"	-3.25	9.48		0.12		0.12	
#3.5	-2.50	5.66		1.16		1.28	
#4	-2.25	4.75		0.76		2.04	
#5	-2.00	3.99		0.33		2.37	
#7	-1.50	2.82		1.18		3.55	
#10	-1.00	2.00		1.70		5.25	
#14	-0.50	1.41		5.42		10.67	
#18	0.00	1.00		7.48		18.15	
#25	0.50	0.71		15.88		34.03	
#35	1.00	0.50		23.42		57.45	
#45	1.50	0.35		20.93		78.38	
#60	2.00	0.25		12.97		91.35	
#80	2.50	0.18		4.20		95.55	
#120	3.00	0.13		1.85		97.40	
#170	3.50	0.09		0.62		98.02	
#200	3.75	0.07		0.15		98.17	
#230	4.00	0.06		0.13		98.30	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.43	1.71	1.42	0.84	0.22	-0.14	-1.07	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.73	0.60	1.04	-0.79	4.79		

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Project Name: Sarasota SPP							
Sample Name: VB-SCV09-05 #3.5							
Analysis Date: 07-10-09							
Analyzed By:							
Easting (ft): 496,172		Northing (ft): 949,798		Coordinate System:		Elevation (ft): -44.3 NAVD88	
USCS: SW		Munsell: Wet - 5Y 4/2		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%): #230 - 3.63	Organics (%):	Carbonates (%): 2.30	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		0.00		0.00	
3/8"	-3.25	9.48		2.05		2.05	
#3.5	-2.50	5.66		2.58		4.63	
#4	-2.25	4.75		0.42		5.05	
#5	-2.00	3.99		1.53		6.58	
#7	-1.50	2.82		1.77		8.35	
#10	-1.00	2.00		2.27		10.62	
#14	-0.50	1.41		9.22		19.84	
#18	0.00	1.00		5.64		25.48	
#25	0.50	0.71		11.34		36.82	
#35	1.00	0.50		15.23		52.05	
#45	1.50	0.35		12.44		64.49	
#60	2.00	0.25		11.24		75.73	
#80	2.50	0.18		7.00		82.73	
#120	3.00	0.13		9.09		91.82	
#170	3.50	0.09		3.51		95.33	
#200	3.75	0.07		0.64		95.97	
#230	4.00	0.06		0.40		96.37	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.45	2.57	1.96	0.93	-0.04	-0.71	-2.28	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.75	0.59	1.57	-0.66	3.37		

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Project Name: Sarasota SPP							
Sample Name: VB-SCV09-05 #3.6							
Analysis Date: 07-17-09							
Analyzed By:							
Easting (ft): 496,172		Northing (ft): 949,798		Coordinate System:		Elevation (ft): -44.4 NAVD88	
USCS: SW		Munsell: Wet - 5Y 4/2		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%): #230 - 0.29	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		0.00		0.00	
3/8"	-3.25	9.48		1.46		1.46	
#3.5	-2.50	5.66		1.10		2.56	
#4	-2.25	4.75		0.43		2.99	
#5	-2.00	3.99		1.21		4.20	
#7	-1.50	2.82		1.76		5.96	
#10	-1.00	2.00		2.56		8.52	
#14	-0.50	1.41		6.27		14.79	
#18	0.00	1.00		5.82		20.61	
#25	0.50	0.71		10.44		31.05	
#35	1.00	0.50		13.73		44.78	
#45	1.50	0.35		12.65		57.43	
#60	2.00	0.25		18.94		76.37	
#80	2.50	0.18		16.85		93.22	
#120	3.00	0.13		4.89		98.11	
#170	3.50	0.09		0.67		98.78	
#200	3.75	0.07		0.66		99.44	
#230	4.00	0.06		0.27		99.71	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.68	2.22	1.96	1.20	0.21	-0.40	-1.77	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.94	0.52	1.38	-1.01	4.15		

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Project Name: Sarasota SPP							
Sample Name: VB-SCV09-05 #4.5							
Analysis Date: 07-01-09							
Analyzed By:							
Easting (ft): <div style="text-align: center;">496,172</div>		Northing (ft): <div style="text-align: center;">949,798</div>		Coordinate System:		Elevation (ft): <div style="text-align: center;">-45.3 NAVD88</div>	
USCS: <div style="text-align: center;">SM</div>		Munsell: <div style="text-align: center;">Wet - 5Y 5/2</div>		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
			#230 - 11.17				55.00
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		14.28		14.28	
#3.5	-2.50	5.66		9.72		24.00	
#4	-2.25	4.75		4.47		28.47	
#5	-2.00	3.99		3.64		32.11	
#7	-1.50	2.82		5.03		37.14	
#10	-1.00	2.00		3.94		41.08	
#14	-0.50	1.41		4.61		45.69	
#18	0.00	1.00		2.92		48.61	
#25	0.50	0.71		2.91		51.52	
#35	1.00	0.50		3.10		54.62	
#45	1.50	0.35		2.49		57.11	
#60	2.00	0.25		2.99		60.10	
#80	2.50	0.18		4.30		64.40	
#120	3.00	0.13		13.42		77.82	
#170	3.50	0.09		7.11		84.93	
#200	3.75	0.07		2.51		87.44	
#230	4.00	0.06		1.39		88.83	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.43	2.89	0.24	-2.44	-3.11	-3.90	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-0.25	1.19	2.62	0.09	1.47		