





GRANULARMETRIC REPORT SARASOTA_ALL_VC_GINT_FDEP.GPJ FL DEP ROSS.GDT 8/2/13

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-SCV09-27 #1							
Analysis Date: 07-13-09							
Analyzed By:							
Easting (ft): 487,387		Northing (ft): 946,035		Coordinate System:		Elevation (ft): -44.9 NAVD88	
USCS: SW		Munsell: Wet - 5Y 4/1		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%): #230 - 1.05	Organics (%):	Carbonates (%): 6.10	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		0.00		0.00	
#3.5	-2.50	5.66		0.28		0.28	
#4	-2.25	4.75		0.00		0.28	
#5	-2.00	3.99		0.44		0.72	
#7	-1.50	2.82		1.09		1.81	
#10	-1.00	2.00		1.80		3.61	
#14	-0.50	1.41		4.65		8.26	
#18	0.00	1.00		6.61		14.87	
#25	0.50	0.71		13.33		28.20	
#35	1.00	0.50		19.17		47.37	
#45	1.50	0.35		19.18		66.55	
#60	2.00	0.25		18.56		85.11	
#80	2.50	0.18		7.36		92.47	
#120	3.00	0.13		5.33		97.80	
#170	3.50	0.09		0.87		98.67	
#200	3.75	0.07		0.14		98.81	
#230	4.00	0.06		0.14		98.95	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.74	1.97	1.72	1.07	0.38	0.04	-0.85	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.99	0.50	1.03	-0.43	3.48		

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Project Name: Sarasota SPP							
Sample Name: VB-SCV09-27 #1.1							
Analysis Date: 07-20-09							
Analyzed By:							
Easting (ft): <div style="text-align: center;">487,387</div>		Northing (ft): <div style="text-align: center;">946,035</div>		Coordinate System:		Elevation (ft): <div style="text-align: center;">-45.0 NAVD88</div>	
USCS: <div style="text-align: center;">SW</div>		Munsell: <div style="text-align: center;">Wet - 5Y 4/1</div>		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%): #230 - 0.68	Organics (%):	Carbonates (%):	Shells (%): 20.00
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/8"	-3.25	9.48		0.00		0.00	
#3.5	-2.50	5.66		0.12		0.12	
#4	-2.25	4.75		0.15		0.27	
#5	-2.00	3.99		0.17		0.44	
#7	-1.50	2.82		0.94		1.38	
#10	-1.00	2.00		1.68		3.06	
#14	-0.50	1.41		4.27		7.33	
#18	0.00	1.00		7.69		15.02	
#25	0.50	0.71		13.81		28.83	
#35	1.00	0.50		19.93		48.76	
#45	1.50	0.35		20.18		68.94	
#60	2.00	0.25		19.53		88.47	
#80	2.50	0.18		6.44		94.91	
#120	3.00	0.13		3.55		98.46	
#170	3.50	0.09		0.64		99.10	
#200	3.75	0.07		0.13		99.23	
#230	4.00	0.06		0.09		99.32	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.51	1.88	1.65	1.03	0.36	0.04	-0.77	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.95	0.52	0.97	-0.41	3.46		

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Project Name: Sarasota SPP							
Sample Name: VB-SCV09-27 #4							
Analysis Date: 07-09-09							
Analyzed By:							
Easting (ft): <div style="text-align: center;">487,387</div>		Northing (ft): <div style="text-align: center;">946,035</div>		Coordinate System:		Elevation (ft): <div style="text-align: center;">-47.9 NAVD88</div>	
USCS: <div style="text-align: center;">SP-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 (%): <div style="text-align: center;">#230 - 6.10</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	
3/8"	-3.25	9.48		0.60		0.60	
#3.5	-2.50	5.66		0.70		1.30	
#4	-2.25	4.75		0.11		1.41	
#5	-2.00	3.99		0.43		1.84	
#7	-1.50	2.82		0.54		2.38	
#10	-1.00	2.00		0.99		3.37	
#14	-0.50	1.41		3.06		6.43	
#18	0.00	1.00		2.51		8.94	
#25	0.50	0.71		5.24		14.18	
#35	1.00	0.50		8.52		22.70	
#45	1.50	0.35		11.08		33.78	
#60	2.00	0.25		13.97		47.75	
#80	2.50	0.18		12.18		59.93	
#120	3.00	0.13		23.19		83.12	
#170	3.50	0.09		6.91		90.03	
#200	3.75	0.07		1.83		91.86	
#230	4.00	0.06		2.04		93.90	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.06	2.82	2.09	1.10	0.61	-0.73	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.74	0.30	1.26	-0.88	3.93		

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Project Name: Sarasota SPP							
Sample Name: VB-SCV09-27 #6							
Analysis Date: 07-09-09							
Analyzed By:							
Easting (ft): 487,387		Northing (ft): 946,035		Coordinate System:		Elevation (ft): -49.9 NAVD88	
USCS: SM		Munsell: Wet - 5Y 6/1		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
			#230 - 16.56				15.00
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/8"	-3.25	9.48		0.00		0.00	
#3.5	-2.50	5.66		1.90		1.90	
#4	-2.25	4.75		0.92		2.82	
#5	-2.00	3.99		1.59		4.41	
#7	-1.50	2.82		2.77		7.18	
#10	-1.00	2.00		2.73		9.91	
#14	-0.50	1.41		5.42		15.33	
#18	0.00	1.00		1.90		17.23	
#25	0.50	0.71		3.01		20.24	
#35	1.00	0.50		3.82		24.06	
#45	1.50	0.35		3.50		27.56	
#60	2.00	0.25		4.92		32.48	
#80	2.50	0.18		7.14		39.62	
#120	3.00	0.13		21.27		60.89	
#170	3.50	0.09		12.34		73.23	
#200	3.75	0.07		5.72		78.95	
#230	4.00	0.06		4.49		83.44	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
		3.58	2.74	1.13	-0.32	-1.89	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.74	0.30	1.84	-0.96	2.74		