





GRANULARMETRIC REPORT SARASOTA\_ALL\_VC\_GINT\_FDEP.GPJ FL DEP ROSS.GDT 8/2/13

<b>Granularmetric Report</b> 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-SCV09-46 #1							
Analysis Date: 07-15-09							
Analyzed By:							
Easting (ft): <b>494,277</b>		Northing (ft): <b>935,932</b>		Coordinate System:		Elevation (ft): <b>-46.5 NAVD88</b>	
USCS: <b>SW</b>		Munsell: <b>Wet - 5Y 4/1</b>		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%): <b>#230 - 3.13</b>	Organics (%):	Carbonates (%): <b>5.50</b>	Shells (%): <b>25.00</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		5.30		5.30	
#3.5	-2.50	5.66		1.80		7.10	
#4	-2.25	4.75		0.32		7.42	
#5	-2.00	3.99		0.54		7.96	
#7	-1.50	2.82		1.38		9.34	
#10	-1.00	2.00		2.17		11.51	
#14	-0.50	1.41		4.47		15.98	
#18	0.00	1.00		7.21		23.19	
#25	0.50	0.71		12.00		35.19	
#35	1.00	0.50		13.87		49.06	
#45	1.50	0.35		13.31		62.37	
#60	2.00	0.25		16.09		78.46	
#80	2.50	0.18		11.09		89.55	
#120	3.00	0.13		5.52		95.07	
#170	3.50	0.09		1.30		96.37	
#200	3.75	0.07		0.31		96.68	
#230	4.00	0.06		0.19		96.87	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.99	2.25	1.89	1.03	0.08	-0.50	-3.30	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.69	0.62	1.62	-1.16	4.19		

<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-SCV09-46 #1.1							
Analysis Date: 07-18-09							
Analyzed By:							
Easting (ft): <div style="text-align: center;">494,277</div>		Northing (ft): <div style="text-align: center;">935,932</div>		Coordinate System:		Elevation (ft): <div style="text-align: center;">-46.6 NAVD88</div>	
USCS: <div style="text-align: center;">SP</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 - 0.86	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		2.17		2.17	
3/8"	-3.25	9.48		0.62		2.79	
#3.5	-2.50	5.66		0.77		3.56	
#4	-2.25	4.75		0.47		4.03	
#5	-2.00	3.99		0.35		4.38	
#7	-1.50	2.82		1.27		5.65	
#10	-1.00	2.00		2.16		7.81	
#14	-0.50	1.41		5.47		13.28	
#18	0.00	1.00		6.44		19.72	
#25	0.50	0.71		11.89		31.61	
#35	1.00	0.50		14.51		46.12	
#45	1.50	0.35		14.93		61.05	
#60	2.00	0.25		18.65		79.70	
#80	2.50	0.18		11.70		91.40	
#120	3.00	0.13		6.00		97.40	
#170	3.50	0.09		1.28		98.68	
#200	3.75	0.07		0.27		98.95	
#230	4.00	0.06		0.19		99.14	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.80	2.18	1.87	1.13	0.22	-0.29	-1.75	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.87	0.55	1.22	-0.52	3.89		

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Project Name: Sarasota SPP							
Sample Name: VB-SCV09-46 #3.5							
Analysis Date: 07-17-09							
Analyzed By:							
Easting (ft): <b>494,277</b>		Northing (ft): <b>935,932</b>		Coordinate System:		Elevation (ft): <b>-49.0 NAVD88</b>	
USCS: <b>SM</b>		Munsell: <b>Wet - 5Y 6/3</b>		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
			<b>#230 - 14.30</b>				<b>10.00</b>
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		0.34		0.34	
#4	-2.25	4.75		0.52		0.86	
#5	-2.00	3.99		0.23		1.09	
#7	-1.50	2.82		0.42		1.51	
#10	-1.00	2.00		0.79		2.30	
#14	-0.50	1.41		1.51		3.81	
#18	0.00	1.00		1.68		5.49	
#25	0.50	0.71		1.76		7.25	
#35	1.00	0.50		1.57		8.82	
#45	1.50	0.35		1.41		10.23	
#60	2.00	0.25		3.86		14.09	
#80	2.50	0.18		16.02		30.11	
#120	3.00	0.13		34.19		64.30	
#170	3.50	0.09		13.50		77.80	
#200	3.75	0.07		4.63		82.43	
#230	4.00	0.06		3.27		85.70	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.87	3.40	2.79	2.34	2.06	-0.15	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.42	0.19	1.16	-2.11	8.03		

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Project Name: Sarasota SPP							
Sample Name: VB-SCV09-46 #6							
Analysis Date: 07-17-09							
Analyzed By:							
Easting (ft): <b>494,277</b>		Northing (ft): <b>935,932</b>		Coordinate System:		Elevation (ft): <b>-51.5 NAVD88</b>	
USCS: <b>SM</b>		Munsell: <b>Wet - 5Y 6/3</b>		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
			<b>#230 - 12.74</b>				<b>45.00</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		8.65		8.65	
#3.5	-2.50	5.66		8.11		16.76	
#4	-2.25	4.75		1.90		18.66	
#5	-2.00	3.99		2.24		20.90	
#7	-1.50	2.82		3.98		24.88	
#10	-1.00	2.00		3.49		28.37	
#14	-0.50	1.41		5.34		33.71	
#18	0.00	1.00		3.94		37.65	
#25	0.50	0.71		4.55		42.20	
#35	1.00	0.50		3.99		46.19	
#45	1.50	0.35		3.28		49.47	
#60	2.00	0.25		4.08		53.55	
#80	2.50	0.18		6.12		59.67	
#120	3.00	0.13		15.91		75.58	
#170	3.50	0.09		7.76		83.34	
#200	3.75	0.07		2.22		85.56	
#230	4.00	0.06		1.70		87.26	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.57	2.98	1.56	-1.48	-2.57	-3.67	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.36	0.78	2.46	-0.31	1.67		