




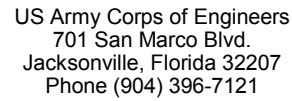
<b>Granularmetric Report</b> Depths and elevations based on measured values				 <p>US Army Corps of Engineers                  701 San Marco Blvd.                  Jacksonville, Florida 32207                  Phone (904) 396-7121</p>			
Project Name: Sarasota SPP							
Sample Name: VB-SCV09-02 #1							
Analysis Date: 07-13-09							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
493,486		950,245				-36.3 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 - 1.75		4.00	30.00
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		0.81		0.81	
#3.5	-2.50	5.66		1.83		2.64	
#4	-2.25	4.75		0.58		3.22	
#5	-2.00	3.99		0.54		3.76	
#7	-1.50	2.82		1.41		5.17	
#10	-1.00	2.00		3.57		8.74	
#14	-0.50	1.41		3.59		12.33	
#18	0.00	1.00		4.61		16.94	
#25	0.50	0.71		8.56		25.50	
#35	1.00	0.50		13.96		39.46	
#45	1.50	0.35		17.75		57.21	
#60	2.00	0.25		24.21		81.42	
#80	2.50	0.18		8.94		90.36	
#120	3.00	0.13		6.67		97.03	
#170	3.50	0.09		0.82		97.85	
#200	3.75	0.07		0.24		98.09	
#230	4.00	0.06		0.16		98.25	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.85	2.14	1.86	1.29	0.47	-0.10	-1.56	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1	0.50	1.3	-1.16	4.63		

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-SCV09-02 #1.1							
Analysis Date: 07-17-09							
Analyzed By:							
Easting (ft): <b>493,486</b>		Northing (ft): <b>950,245</b>		Coordinate System:		Elevation (ft): <b>-36.4 NAVD88</b>	
USCS: <b>SW</b>		Munsell: <b>Wet - 5Y 4/2</b>		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%): <b>#230 - 3.66</b>	Organics (%):	Carbonates (%):	Shells (%): <b>20.00</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		2.04		2.04	
#3.5	-2.50	5.66		1.31		3.35	
#4	-2.25	4.75		0.44		3.79	
#5	-2.00	3.99		0.56		4.35	
#7	-1.50	2.82		2.31		6.66	
#10	-1.00	2.00		2.95		9.61	
#14	-0.50	1.41		5.63		15.24	
#18	0.00	1.00		8.84		24.08	
#25	0.50	0.71		12.65		36.73	
#35	1.00	0.50		14.71		51.44	
#45	1.50	0.35		14.98		66.42	
#60	2.00	0.25		15.14		81.56	
#80	2.50	0.18		7.36		88.92	
#120	3.00	0.13		5.55		94.47	
#170	3.50	0.09		1.47		95.94	
#200	3.75	0.07		0.25		96.19	
#230	4.00	0.06		0.15		96.34	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.18	2.16	1.78	0.95	0.04	-0.46	-1.86	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.72	0.61	1.4	-0.87	4.13		

<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-SCV09-02 #5							
Analysis Date: 06-30-09							
Analyzed By:							
Easting (ft): <div style="text-align: center;">493,486</div>		Northing (ft): <div style="text-align: center;">950,245</div>		Coordinate System:		Elevation (ft): <div style="text-align: center;">-40.3 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 - 2.28	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		0.69		0.69	
#4	-2.25	4.75		0.12		0.81	
#5	-2.00	3.99		0.19		1.00	
#7	-1.50	2.82		0.50		1.50	
#10	-1.00	2.00		0.93		2.43	
#14	-0.50	1.41		2.50		4.93	
#18	0.00	1.00		3.91		8.84	
#25	0.50	0.71		6.94		15.78	
#35	1.00	0.50		11.86		27.64	
#45	1.50	0.35		17.05		44.69	
#60	2.00	0.25		24.90		69.59	
#80	2.50	0.18		16.29		85.88	
#120	3.00	0.13		9.44		95.32	
#170	3.50	0.09		1.91		97.23	
#200	3.75	0.07		0.34		97.57	
#230	4.00	0.06		0.15		97.72	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.98	2.44	2.16	1.60	0.89	0.51	-0.49	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.42	0.37	1.04	-1	4.86		

Depths and elevations based on measured values



Analyzed By:

Elevation (ft):

-42.1 NAVD88

Comments:

Wet - 5Y 5/1

Shells (%):

15.00

C. % Weight Retained

0.00

0.73

1.20

1.82

2.78

3.92

5.82

8.18

12.09

18.78

28.03

43.41

61.08

89.46

94.59

95.70

96.16


Phi 95

-0.71

## Kurtosis

5.24

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-SCV09-02 #9							
Analysis Date: 06-30-09							
Analyzed By:							
Easting (ft): <b>493,486</b>		Northing (ft): <b>950,245</b>		Coordinate System:		Elevation (ft): <b>-44.3 NAVD88</b>	
USCS: <b>SM</b>		Munsell: <b>Wet - 5Y 6/2</b>		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
			<b>#230 - 27.71</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		0.64		0.64	
#4	-2.25	4.75		0.05		0.69	
#5	-2.00	3.99		0.13		0.82	
#7	-1.50	2.82		0.61		1.43	
#10	-1.00	2.00		0.94		2.37	
#14	-0.50	1.41		1.47		3.84	
#18	0.00	1.00		1.38		5.22	
#25	0.50	0.71		1.64		6.86	
#35	1.00	0.50		1.90		8.76	
#45	1.50	0.35		1.80		10.56	
#60	2.00	0.25		2.79		13.35	
#80	2.50	0.18		5.31		18.66	
#120	3.00	0.13		21.30		39.96	
#170	3.50	0.09		18.11		58.07	
#200	3.75	0.07		11.05		69.12	
#230	4.00	0.06		3.17		72.29	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
			3.28	2.65	2.25	-0.08	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.56	0.17	1.3	-1.97	6.79		