

<h2 style="text-align: center;">Granularmetric Report</h2> <p style="text-align: center;">Depths and elevations based on measured values</p>				<p style="text-align: center;">Scientific Environmental Applications 5575 Willoughby Drive Melbourne, FL 32934 seappinc.com seapp1@aol.com (321) 254-2708</p>			
Project Name: Juno 2016							
Sample Name: Juno16-06 #0.5							
Analysis Date: 05-10-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
967,381		957,347		Florida State Plane East		-70.8 NAVD 88	
USCS:		Munsell:		Comments:			
SW		Dry - 10YR-6.5/0.5					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
87.06	86.40	0.07	0.01	#200 - 1.02 #230 - 0.84		78.12	
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	0.00	0.00	
5/8"	-4.00	16.00	0.00	0.00	0.00	0.00	
11/16"	-3.50	11.31	0.00	0.00	0.00	0.00	
5/16"	-3.00	8.00	0.00	0.00	0.00	0.00	
3.5	-2.50	5.66	1.25	1.43	1.25	1.43	
4	-2.25	4.76	0.49	0.57	1.74	2.00	
5	-2.00	4.00	0.39	0.45	2.13	2.45	
7	-1.50	2.83	2.02	2.32	4.15	4.77	
10	-1.00	2.00	3.61	4.14	7.75	8.91	
14	-0.50	1.41	6.16	7.07	13.91	15.98	
18	0.00	1.00	8.35	9.59	22.26	25.57	
25	0.50	0.71	8.10	9.31	30.37	34.88	
35	1.00	0.50	8.84	10.16	39.21	45.04	
45	1.50	0.35	11.14	12.79	50.35	57.83	
60	2.00	0.25	16.95	19.47	67.30	77.30	
80	2.50	0.18	14.23	16.35	81.53	93.65	
120	3.00	0.13	3.53	4.05	85.06	97.70	
170	3.50	0.09	0.78	0.90	85.84	98.60	
200	3.75	0.07	0.33	0.38	86.17	98.98	
230	4.00	0.06	0.15	0.18	86.32	99.16	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.67	2.20	1.94	1.19	-0.03	-0.50	-1.47	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.9	0.54	1.31	-0.61	2.79		

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Project Name: Juno 2016							
Sample Name: Juno16-06 #3							
Analysis Date: 05-10-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
967,381		957,347		Florida State Plane East		-73.3 NAVD 88	
USCS:		Munsell:		Comments:			
SW		Dry - 10YR-6.5/0.5					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
86.11	85.13	0.11	-0.06	#200 - 1.38 #230 - 1.20		86.03	
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	0.00	0.00	
5/8"	-4.00	16.00	0.00	0.00	0.00	0.00	
11/16"	-3.50	11.31	0.00	0.00	0.00	0.00	
5/16"	-3.00	8.00	0.00	0.00	0.00	0.00	
3.5	-2.50	5.66	0.00	0.00	0.00	0.00	
4	-2.25	4.76	0.49	0.57	0.49	0.57	
5	-2.00	4.00	0.39	0.45	0.88	1.02	
7	-1.50	2.83	2.02	2.34	2.90	3.36	
10	-1.00	2.00	3.61	4.19	6.51	7.55	
14	-0.50	1.41	6.16	7.15	12.66	14.70	
18	0.00	1.00	8.35	9.70	21.02	24.40	
25	0.50	0.71	8.10	9.41	29.12	33.81	
35	1.00	0.50	8.84	10.27	37.96	44.08	
45	1.50	0.35	11.14	12.94	49.10	57.02	
60	2.00	0.25	16.95	19.68	66.05	76.70	
80	2.50	0.18	14.23	16.53	80.28	93.23	
120	3.00	0.13	3.53	4.10	83.81	97.33	
170	3.50	0.09	0.78	0.91	84.59	98.24	
200	3.75	0.07	0.33	0.38	84.92	98.62	
230	4.00	0.06	0.15	0.18	85.07	98.80	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.72	2.22	1.96	1.23	0.03	-0.43	-1.30	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.96	0.51	1.24	-0.48	2.47		

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Project Name: Juno 2016							
Sample Name: Juno16-06 #6							
Analysis Date: 05-10-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
967,381		957,347		Florida State Plane East		-76.3 NAVD 88	
USCS:		Munsell:		Comments:			
SP		Dry - 10YR-6/0.5					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
86.56	85.06	0.11	0.18	#200 - 2.20 #230 - 2.04		68.46	
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	0.00	0.00	
5/8"	-4.00	16.00	0.00	0.00	0.00	0.00	
11/16"	-3.50	11.31	0.00	0.00	0.00	0.00	
5/16"	-3.00	8.00	0.00	0.00	0.00	0.00	
3.5	-2.50	5.66	0.00	0.00	0.00	0.00	
4	-2.25	4.76	0.00	0.00	0.00	0.00	
5	-2.00	4.00	0.04	0.04	0.04	0.04	
7	-1.50	2.83	0.34	0.39	0.37	0.43	
10	-1.00	2.00	0.83	0.96	1.20	1.39	
14	-0.50	1.41	1.33	1.54	2.53	2.93	
18	0.00	1.00	2.11	2.44	4.64	5.37	
25	0.50	0.71	3.18	3.67	7.82	9.04	
35	1.00	0.50	7.33	8.47	15.15	17.51	
45	1.50	0.35	20.32	23.47	35.47	40.98	
60	2.00	0.25	27.59	31.88	63.06	72.86	
80	2.50	0.18	13.22	15.27	76.28	88.13	
120	3.00	0.13	7.25	8.37	83.52	96.50	
170	3.50	0.09	0.94	1.08	84.46	97.58	
200	3.75	0.07	0.19	0.22	84.65	97.80	
230	4.00	0.06	0.14	0.16	84.79	97.96	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.91	2.36	2.07	1.64	1.16	0.91	-0.08	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.54	0.34	0.83	-0.92	4.95		

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Project Name: Juno 2016							
Sample Name: Juno16-06 #9							
Analysis Date: 05-10-16							
Analyzed By:							
Easting (ft): 967,381		Northing (ft): 957,347		Coordinate System: Florida State Plane East		Elevation (ft): -79.3 NAVD 88	
USCS: SW		Munsell: Dry - 10YR-6/0.5		Comments:			
Dry Weight (g): 86.29	Wash Weight (g): 85.66	Pan Retained (g): 0.04	Sieve Loss (%): 0.50	Fines (%): #200 - 1.34 #230 - 1.28	Organics (%):	Carbonates (%): 70.98	Shells (%):
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	0.00	0.00	
5/8"	-4.00	16.00	0.00	0.00	0.00	0.00	
11/16"	-3.50	11.31	0.00	0.00	0.00	0.00	
5/16"	-3.00	8.00	0.00	0.00	0.00	0.00	
3.5	-2.50	5.66	0.06	0.07	0.06	0.07	
4	-2.25	4.76	0.06	0.07	0.12	0.14	
5	-2.00	4.00	0.19	0.22	0.31	0.36	
7	-1.50	2.83	0.33	0.38	0.63	0.74	
10	-1.00	2.00	0.60	0.69	1.23	1.43	
14	-0.50	1.41	1.25	1.45	2.48	2.88	
18	0.00	1.00	2.68	3.11	5.16	5.99	
25	0.50	0.71	6.02	6.97	11.18	12.96	
35	1.00	0.50	16.23	18.80	27.40	31.76	
45	1.50	0.35	24.04	27.86	51.45	59.62	
60	2.00	0.25	12.19	14.13	63.64	73.75	
80	2.50	0.18	4.58	5.30	68.21	79.05	
120	3.00	0.13	9.51	11.02	77.73	90.07	
170	3.50	0.09	7.33	8.50	85.06	98.57	
200	3.75	0.07	0.07	0.09	85.13	98.66	
230	4.00	0.06	0.05	0.06	85.19	98.72	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.29	2.72	2.12	1.33	0.82	0.58	-0.16	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.43	0.37	1.02	-0.11	3.36		

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Project Name: Juno 2016							
Sample Name: Juno16-06 #Comp							
Analysis Date: 05-10-16							
Analyzed By:							
Easting (ft): <div style="text-align: center;">967,381</div>		Northing (ft): <div style="text-align: center;">957,347</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-81.3 NAVD 88</div>	
USCS: <div style="text-align: center;">SW</div>		Munsell: <div style="text-align: center;">Dry - 10YR-6/0.5</div>		Comments:			
Dry Weight (g): <div style="text-align: center;">85.48</div>	Wash Weight (g): <div style="text-align: center;">84.63</div>	Pan Retained (g): <div style="text-align: center;">0.08</div>	Sieve Loss (%): <div style="text-align: center;">0.48</div>	Fines (%): #200 - 1.71 #230 - 1.58	Organics (%):	Carbonates (%): <div style="text-align: center;">75.51</div>	Shells (%):
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	0.00	0.00	
5/8"	-4.00	16.00	0.00	0.00	0.00	0.00	
11/16"	-3.50	11.31	2.47	2.89	2.47	2.89	
5/16"	-3.00	8.00	1.79	2.10	4.26	4.99	
3.5	-2.50	5.66	0.57	0.66	4.83	5.65	
4	-2.25	4.76	0.29	0.34	5.12	5.99	
5	-2.00	4.00	0.77	0.90	5.89	6.89	
7	-1.50	2.83	1.76	2.06	7.66	8.95	
10	-1.00	2.00	1.89	2.22	9.55	11.17	
14	-0.50	1.41	3.68	4.31	13.23	15.48	
18	0.00	1.00	4.95	5.80	18.19	21.28	
25	0.50	0.71	5.41	6.33	23.60	27.61	
35	1.00	0.50	9.77	11.43	33.37	39.04	
45	1.50	0.35	17.26	20.19	50.63	59.23	
60	2.00	0.25	17.12	20.03	67.75	79.26	
80	2.50	0.18	8.76	10.25	76.51	89.51	
120	3.00	0.13	4.26	4.98	80.77	94.49	
170	3.50	0.09	3.09	3.61	83.86	98.10	
200	3.75	0.07	0.16	0.19	84.02	98.29	
230	4.00	0.06	0.11	0.13	84.13	98.42	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.07	2.23	1.89	1.27	0.29	-0.46	-2.99	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.88	0.54	1.57	-1.22	4.38		