

<b>Granularmetric Report</b> Depths and elevations based on measured values				Scientific Environmental Applications 5575 Willoughby Drive Melbourne, FL 32934 seappinc.com seapp1@aol.com (321) 254-2708			
Project Name: Juno 2016							
Sample Name: Juno16-19 #0.5							
Analysis Date: 04-16-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,003		957,912		Florida State Plane East		-64.3 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 (%):
85.82	84.81	0.34	-0.74	#200 - 1.76 #230 - 0.84		66.30	
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	0.22	0.26	0.22	0.26	
4	-2.25	4.76	0.00	0.00	0.22	0.26	
5	-2.00	4.00	0.33	0.38	0.55	0.64	
7	-1.50	2.83	1.13	1.31	1.68	1.95	
10	-1.00	2.00	2.24	2.61	3.92	4.56	
14	-0.50	1.41	3.20	3.73	7.12	8.29	
18	0.00	1.00	4.75	5.53	11.86	13.82	
25	0.50	0.71	6.24	7.27	18.11	21.09	
35	1.00	0.50	8.76	10.21	26.86	31.30	
45	1.50	0.35	12.97	15.12	39.84	46.42	
60	2.00	0.25	16.57	19.31	56.41	65.73	
80	2.50	0.18	16.35	19.05	72.76	84.78	
120	3.00	0.13	5.86	6.83	78.63	91.61	
170	3.50	0.09	3.70	4.31	82.33	95.92	
200	3.75	0.07	1.99	2.32	84.32	98.24	
230	4.00	0.06	0.79	0.92	85.11	99.16	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.39	2.48	2.24	1.59	0.69	0.15	-0.94	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.4	0.38	1.22	-0.57	3.2		

<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: Juno16-19 #3							
Analysis Date: 04-16-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,003		957,912		Florida State Plane East		-66.8 NAVD 88	
USCS:		Munsell:		Comments:			
SW		Dry - 10YR-6/0.5					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
86.78	86.27	0.07	0.26	#200 - 1.08 #230 - 0.93		88.65	
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	3.49	4.02	3.49	4.02	
5/16"	-3.00	8.00	1.60	1.84	5.09	5.86	
3.5	-2.50	5.66	2.69	3.10	7.78	8.96	
4	-2.25	4.76	1.00	1.15	8.78	10.11	
5	-2.00	4.00	2.00	2.30	10.77	12.41	
7	-1.50	2.83	6.72	7.75	17.49	20.16	
10	-1.00	2.00	8.34	9.62	25.84	29.78	
14	-0.50	1.41	13.64	15.72	39.48	45.50	
18	0.00	1.00	14.34	16.53	53.82	62.03	
25	0.50	0.71	9.50	10.95	63.33	72.98	
35	1.00	0.50	7.50	8.64	70.83	81.62	
45	1.50	0.35	5.83	6.71	76.65	88.33	
60	2.00	0.25	4.87	5.61	81.52	93.94	
80	2.50	0.18	2.96	3.41	84.48	97.35	
120	3.00	0.13	0.02	0.02	84.50	97.37	
170	3.50	0.09	1.16	1.34	85.66	98.71	
200	3.75	0.07	0.18	0.21	85.84	98.92	
230	4.00	0.06	0.13	0.15	85.97	99.07	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.16	1.18	0.62	-0.36	-1.25	-1.77	-3.23	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-0.38	1.30	1.49	-0.11	3.05		

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Project Name: Juno 2016							
Sample Name: Juno16-19 #6							
Analysis Date: 04-16-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,003		957,912		Florida State Plane East		-69.8 NAVD 88	
USCS:		Munsell:		Comments:			
SW		Dry - 10YR-6/0.5					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
86.32	85.51	0.29	0.27	#200 - 1.77 #230 - 1.55		89.28	
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	2.66	3.08	2.66	3.08	
11/16"	-3.50	11.31	6.30	7.29	8.95	10.37	
5/16"	-3.00	8.00	10.65	12.34	19.60	22.71	
3.5	-2.50	5.66	7.52	8.71	27.12	31.42	
4	-2.25	4.76	1.19	1.38	28.31	32.80	
5	-2.00	4.00	3.03	3.51	31.34	36.31	
7	-1.50	2.83	6.41	7.42	37.75	43.73	
10	-1.00	2.00	5.62	6.51	43.37	50.24	
14	-0.50	1.41	8.96	10.38	52.33	60.62	
18	0.00	1.00	9.90	11.47	62.23	72.09	
25	0.50	0.71	6.07	7.03	68.31	79.12	
35	1.00	0.50	4.37	5.06	72.68	84.18	
45	1.50	0.35	3.73	4.32	76.41	88.50	
60	2.00	0.25	3.83	4.43	80.23	92.93	
80	2.50	0.18	2.71	3.14	82.95	96.07	
120	3.00	0.13	1.01	1.17	83.96	97.24	
170	3.50	0.09	0.61	0.71	84.57	97.95	
200	3.75	0.07	0.24	0.28	84.81	98.23	
230	4.00	0.06	0.19	0.22	85.00	98.45	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.33	0.98	0.21	-1.02	-2.87	-3.27	-3.87	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-1.15	2.22	1.88	0.27	2.2		

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Project Name: Juno 2016							
Sample Name: Juno16-19 #9							
Analysis Date: 04-16-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,003		957,912		Florida State Plane East		-71.8 NAVD 88	
USCS:		Munsell:		Comments:			
SW		Dry - 10YR-6/0.5					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
84.92	84.01	0.04	0.23	#200 - 1.45 #230 - 1.35		77.95	
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	1.77	2.09	1.77	2.09	
5/16"	-3.00	8.00	3.58	4.22	5.35	6.31	
3.5	-2.50	5.66	1.01	1.18	6.36	7.49	
4	-2.25	4.76	0.00	0.00	6.36	7.49	
5	-2.00	4.00	0.49	0.58	6.85	8.07	
7	-1.50	2.83	1.36	1.60	8.21	9.67	
10	-1.00	2.00	1.98	2.33	10.19	12.00	
14	-0.50	1.41	3.67	4.32	13.85	16.32	
18	0.00	1.00	5.69	6.69	19.54	23.01	
25	0.50	0.71	7.04	8.29	26.58	31.30	
35	1.00	0.50	11.44	13.47	38.02	44.77	
45	1.50	0.35	14.87	17.51	52.89	62.28	
60	2.00	0.25	16.42	19.34	69.32	81.62	
80	2.50	0.18	9.94	11.71	79.26	93.33	
120	3.00	0.13	1.83	2.15	81.09	95.48	
170	3.50	0.09	2.52	2.96	83.60	98.44	
200	3.75	0.07	0.10	0.11	83.70	98.55	
230	4.00	0.06	0.08	0.10	83.78	98.65	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.89	2.10	1.83	1.15	0.12	-0.54	-3.16	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.75	0.59	1.58	-1.19	4.12		

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Project Name: Juno 2016							
Sample Name: Juno16-19 #Comp							
Analysis Date: 04-16-16							
Analyzed By:							
Easting (ft): <div style="text-align: center;">966,003</div>		Northing (ft): <div style="text-align: center;">957,912</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-74.8 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;">87.46</div>	Wash Weight (g): <div style="text-align: center;">86.71</div>	Pan Retained (g): <div style="text-align: center;">0.15</div>	Sieve Loss (%): <div style="text-align: center;">-0.40</div>	Fines (%): #200 - 0.89 #230 - 0.64	Organics (%):	Carbonates (%): <div style="text-align: center;">77.13</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	5.26	6.01	5.26	6.01	
11/16"	-3.50	11.31	0.00	0.00	5.26	6.01	
5/16"	-3.00	8.00	0.84	0.96	6.09	6.97	
3.5	-2.50	5.66	2.59	2.96	8.68	9.93	
4	-2.25	4.76	1.08	1.23	9.76	11.16	
5	-2.00	4.00	0.99	1.13	10.75	12.29	
7	-1.50	2.83	3.59	4.10	14.34	16.39	
10	-1.00	2.00	4.28	4.89	18.62	21.28	
14	-0.50	1.41	7.53	8.61	26.15	29.89	
18	0.00	1.00	8.80	10.06	34.95	39.95	
25	0.50	0.71	7.48	8.55	42.43	48.50	
35	1.00	0.50	8.45	9.66	50.88	58.16	
45	1.50	0.35	9.44	10.80	60.32	68.96	
60	2.00	0.25	11.73	13.41	72.05	82.37	
80	2.50	0.18	9.64	11.03	81.69	93.40	
120	3.00	0.13	0.91	1.04	82.60	94.44	
170	3.50	0.09	3.65	4.17	86.24	98.61	
200	3.75	0.07	0.44	0.50	86.68	99.11	
230	4.00	0.06	0.22	0.25	86.90	99.36	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.07	2.07	1.73	0.58	-0.78	-1.55	-3.63	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.27	0.83	1.87	-0.67	2.93		