

Granularmetric Report 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: Juno16-03 #0.5							
Analysis Date: 05-14-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
968,642		956,666		Florida State Plane East		-71.6 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 (%):
84.61	84.02	0.05	-0.01	#200 - 0.96 #230 - 0.79		73.48	
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	3.44	4.06	3.44	4.06	
11/16"	-3.50	11.31	2.68	3.17	6.12	7.23	
5/16"	-3.00	8.00	2.52	2.97	8.64	10.20	
3.5	-2.50	5.66	1.39	1.64	10.02	11.84	
4	-2.25	4.76	0.94	1.11	10.96	12.95	
5	-2.00	4.00	1.12	1.32	12.08	14.27	
7	-1.50	2.83	2.18	2.57	14.26	16.84	
10	-1.00	2.00	2.24	2.65	16.50	19.49	
14	-0.50	1.41	3.53	4.17	20.04	23.66	
18	0.00	1.00	4.13	4.88	24.17	28.54	
25	0.50	0.71	4.09	4.83	28.25	33.37	
35	1.00	0.50	6.19	7.31	34.44	40.68	
45	1.50	0.35	10.57	12.49	45.01	53.17	
60	2.00	0.25	17.63	20.83	62.64	74.00	
80	2.50	0.18	15.47	18.28	78.11	92.28	
120	3.00	0.13	0.92	1.09	79.03	93.37	
170	3.50	0.09	4.57	5.40	83.60	98.77	
200	3.75	0.07	0.23	0.27	83.83	99.04	
230	4.00	0.06	0.14	0.17	83.97	99.21	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.15	2.27	2.03	1.37	-0.36	-1.66	-3.85	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.62	0.65	2	-1.03	3.06		

<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: Juno16-03 #4							
Analysis Date: 05-14-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
968,642		956,666		Florida State Plane East		-75.1 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 (%):
86.76	86.21	0.08	0.13	#200 - 0.96 #230 - 0.87		72.86	
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	1.23	1.41	1.23	1.41	
11/16"	-3.50	11.31	0.00	0.00	1.23	1.41	
5/16"	-3.00	8.00	0.00	0.00	1.23	1.41	
3.5	-2.50	5.66	2.20	2.53	3.42	3.94	
4	-2.25	4.76	0.46	0.53	3.88	4.47	
5	-2.00	4.00	0.35	0.40	4.23	4.87	
7	-1.50	2.83	2.17	2.51	6.40	7.38	
10	-1.00	2.00	2.53	2.92	8.94	10.30	
14	-0.50	1.41	3.60	4.15	12.53	14.45	
18	0.00	1.00	4.28	4.94	16.81	19.39	
25	0.50	0.71	4.45	5.12	21.26	24.51	
35	1.00	0.50	6.07	6.99	27.33	31.50	
45	1.50	0.35	11.58	13.35	38.91	44.85	
60	2.00	0.25	21.81	25.14	60.72	69.99	
80	2.50	0.18	14.96	17.24	75.68	87.23	
120	3.00	0.13	6.95	8.01	82.63	95.24	
170	3.50	0.09	3.06	3.52	85.69	98.76	
200	3.75	0.07	0.25	0.28	85.93	99.04	
230	4.00	0.06	0.08	0.09	86.01	99.13	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.99	2.41	2.15	1.60	0.54	-0.34	-1.97	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.15	0.45	1.51	-1.3	4.54		

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Project Name: Juno 2016							
Sample Name: Juno16-03 #6							
Analysis Date: 05-14-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
968,642		956,666		Florida State Plane East		-77.1 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 (%):
84.40	83.46	0.18	-0.19	#200 - 1.42 #230 - 1.15		58.04	
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	1.92	2.27	1.92	2.27	
3.5	-2.50	5.66	0.94	1.11	2.86	3.38	
4	-2.25	4.76	0.26	0.30	3.11	3.68	
5	-2.00	4.00	0.29	0.34	3.41	4.02	
7	-1.50	2.83	0.89	1.05	4.29	5.07	
10	-1.00	2.00	1.22	1.45	5.51	6.52	
14	-0.50	1.41	1.59	1.88	7.10	8.40	
18	0.00	1.00	1.84	2.18	8.94	10.58	
25	0.50	0.71	2.26	2.67	11.20	13.25	
35	1.00	0.50	4.36	5.16	15.56	18.41	
45	1.50	0.35	13.19	15.63	28.75	34.04	
60	2.00	0.25	28.04	33.22	56.79	67.26	
80	2.50	0.18	14.25	16.89	71.04	84.15	
120	3.00	0.13	2.97	3.52	74.01	87.67	
170	3.50	0.09	8.61	10.21	82.62	97.88	
200	3.75	0.07	0.60	0.70	83.22	98.58	
230	4.00	0.06	0.23	0.27	83.44	98.85	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.36	2.50	2.23	1.74	1.21	0.77	-1.53	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.51	0.35	1.35	-1.63	6.34		

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Project Name: Juno 2016							
Sample Name: Juno16-03 #9							
Analysis Date: 05-14-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
968,642		956,666		Florida State Plane East		-80.1 NAVD 88	
USCS:		Munsell:		Comments:			
		Dry - 10YR-6/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
86.16	83.12	0.52	-0.02	#200 - 5.01 #230 - 4.12		44.74	
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	0.78	0.91	0.78	0.91	
3.5	-2.50	5.66	0.74	0.86	1.53	1.77	
4	-2.25	4.76	0.53	0.61	2.05	2.38	
5	-2.00	4.00	0.65	0.75	2.70	3.13	
7	-1.50	2.83	1.81	2.10	4.51	5.23	
10	-1.00	2.00	2.12	2.47	6.63	7.70	
14	-0.50	1.41	2.17	2.51	8.80	10.21	
18	0.00	1.00	2.01	2.34	10.81	12.55	
25	0.50	0.71	2.42	2.81	13.23	15.36	
35	1.00	0.50	3.66	4.25	16.90	19.61	
45	1.50	0.35	7.23	8.39	24.13	28.00	
60	2.00	0.25	10.85	12.59	34.98	40.59	
80	2.50	0.18	9.40	10.91	44.38	51.50	
120	3.00	0.13	15.54	18.03	59.91	69.53	
170	3.50	0.09	19.30	22.39	79.21	91.92	
200	3.75	0.07	2.64	3.07	81.85	94.99	
230	4.00	0.06	0.76	0.89	82.62	95.88	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.75	3.32	3.12	2.43	1.32	0.58	-1.55	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.88	0.27	1.55	-1.32	4.19		

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Project Name: Juno 2016							
Sample Name: Juno16-03 #Comp 1							
Analysis Date: 05-14-16							
Analyzed By:							
Easting (ft): <div style="text-align: center;">968,642</div>		Northing (ft): <div style="text-align: center;">956,666</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-85.1 NAVD 88</div>	
USCS: <div style="text-align: center;">SW</div>		Munsell: <div style="text-align: center;">Dry - 10YR-6/1</div>		Comments:			
Dry Weight (g): <div style="text-align: center;">84.61</div>	Wash Weight (g): <div style="text-align: center;">83.14</div>	Pan Retained (g): <div style="text-align: center;">0.22</div>	Sieve Loss (%): <div style="text-align: center;">-0.17</div>	Fines (%): #200 - 2.35 #230 - 1.82	Organics (%):	Carbonates (%): <div style="text-align: center;">60.90</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	1.34	1.58	1.34	1.58	
5/16"	-3.00	8.00	0.61	0.72	1.95	2.30	
3.5	-2.50	5.66	1.28	1.52	3.23	3.82	
4	-2.25	4.76	0.19	0.23	3.42	4.05	
5	-2.00	4.00	0.41	0.48	3.83	4.53	
7	-1.50	2.83	1.49	1.76	5.32	6.29	
10	-1.00	2.00	1.36	1.60	6.68	7.89	
14	-0.50	1.41	1.96	2.31	8.64	10.20	
18	0.00	1.00	2.61	3.09	11.25	13.29	
25	0.50	0.71	2.86	3.37	14.10	16.66	
35	1.00	0.50	5.06	5.99	19.17	22.65	
45	1.50	0.35	10.93	12.92	30.10	35.57	
60	2.00	0.25	18.95	22.40	49.05	57.97	
80	2.50	0.18	11.25	13.30	60.30	71.27	
120	3.00	0.13	5.52	6.52	65.81	77.79	
170	3.50	0.09	15.45	18.26	81.26	96.05	
200	3.75	0.07	1.36	1.60	82.62	97.65	
230	4.00	0.06	0.45	0.53	83.06	98.18	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.47	3.17	2.79	1.82	1.09	0.40	-1.87	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.57	0.34	1.57	-1.35	4.92		

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Project Name: Juno 2016							
Sample Name: Juno16-03 #Comp 2							
Analysis Date: 05-14-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
968,642		956,666		Florida State Plane East		-86.1 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 (%):
84.48	83.02	0.08	0.03	#200 - 1.93 #230 - 1.84		73.22	
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	2.67	3.16	2.67	3.16	
11/16"	-3.50	11.31	0.99	1.18	3.66	4.34	
5/16"	-3.00	8.00	4.91	5.82	8.57	10.16	
3.5	-2.50	5.66	0.67	0.80	9.25	10.96	
4	-2.25	4.76	0.44	0.53	9.69	11.49	
5	-2.00	4.00	1.19	1.41	10.88	12.90	
7	-1.50	2.83	2.11	2.50	12.99	15.40	
10	-1.00	2.00	2.33	2.76	15.33	18.16	
14	-0.50	1.41	2.78	3.29	18.10	21.45	
18	0.00	1.00	3.44	4.07	21.54	25.52	
25	0.50	0.71	3.64	4.30	25.18	29.82	
35	1.00	0.50	5.37	6.35	30.54	36.17	
45	1.50	0.35	11.65	13.79	42.19	49.96	
60	2.00	0.25	21.45	25.39	63.64	75.35	
80	2.50	0.18	12.03	14.24	75.67	89.59	
120	3.00	0.13	5.04	5.97	80.71	95.56	
170	3.50	0.09	1.93	2.28	82.64	97.84	
200	3.75	0.07	0.19	0.23	82.84	98.07	
230	4.00	0.06	0.08	0.09	82.91	98.16	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.95	2.30	1.99	1.50	-0.06	-1.39	-3.44	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.72	0.61	1.91	-1.17	3.33		