

<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: Juno16-01 #0.5							
Analysis Date: 05-12-16							
Analyzed By:							
Easting (ft): <div style="text-align: center;">966,271</div>		Northing (ft): <div style="text-align: center;">959,289</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-64.2 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;">88.27</div>	Wash Weight (g): <div style="text-align: center;">87.43</div>	Pan Retained (g): <div style="text-align: center;">0.04</div>	Sieve Loss (%): <div style="text-align: center;">0.42</div>	Fines (%): #200 - 1.47 #230 - 1.40	Organics (%):	Carbonates (%): <div style="text-align: center;">79.56</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	0.00	0.00	0.00	0.00	
5/16"	-3.00	8.00	0.45	0.51	0.45	0.51	
3.5	-2.50	5.66	0.19	0.21	0.64	0.72	
4	-2.25	4.76	0.52	0.59	1.16	1.31	
5	-2.00	4.00	0.30	0.34	1.46	1.65	
7	-1.50	2.83	1.74	1.97	3.20	3.62	
10	-1.00	2.00	3.66	4.15	6.86	7.77	
14	-0.50	1.41	6.96	7.89	13.82	15.66	
18	0.00	1.00	10.39	11.77	24.21	27.43	
25	0.50	0.71	11.00	12.46	35.20	39.89	
35	1.00	0.50	11.50	13.03	46.71	52.92	
45	1.50	0.35	12.21	13.83	58.91	66.75	
60	2.00	0.25	14.14	16.02	73.05	82.77	
80	2.50	0.18	10.74	12.16	83.78	94.93	
120	3.00	0.13	2.41	2.72	86.19	97.65	
170	3.50	0.09	0.60	0.68	86.78	98.33	
200	3.75	0.07	0.17	0.20	86.96	98.53	
230	4.00	0.06	0.06	0.07	87.02	98.60	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.51	2.05	1.76	0.89	-0.10	-0.49	-1.33	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.75	0.59	1.21	-0.43	2.84		

<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: Juno16-01 #2.0							
Analysis Date: 05-13-16							
Analyzed By:							
Easting (ft): <div style="text-align: center;">966,271</div>		Northing (ft): <div style="text-align: center;">959,289</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-65.6 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;">87.47</div>	Wash Weight (g): <div style="text-align: center;">86.47</div>	Pan Retained (g): <div style="text-align: center;">0.04</div>	Sieve Loss (%): <div style="text-align: center;">0.47</div>	Fines (%): #200 - 1.79 #230 - 1.68	Organics (%):	Carbonates (%): <div style="text-align: center;">80.39</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	3.89	4.44	3.89	4.44	
11/16"	-3.50	11.31	2.51	2.87	6.40	7.31	
5/16"	-3.00	8.00	0.59	0.67	6.98	7.98	
3.5	-2.50	5.66	0.07	0.08	7.06	8.06	
4	-2.25	4.76	0.11	0.13	7.17	8.19	
5	-2.00	4.00	0.73	0.83	7.90	9.02	
7	-1.50	2.83	1.06	1.21	8.96	10.23	
10	-1.00	2.00	2.45	2.80	11.41	13.03	
14	-0.50	1.41	5.46	6.24	16.87	19.27	
18	0.00	1.00	8.17	9.34	25.04	28.61	
25	0.50	0.71	8.57	9.79	33.60	38.40	
35	1.00	0.50	9.90	11.31	43.50	49.71	
45	1.50	0.35	11.69	13.36	55.18	63.07	
60	2.00	0.25	15.38	17.58	70.56	80.65	
80	2.50	0.18	12.05	13.77	82.61	94.42	
120	3.00	0.13	1.75	2.00	84.35	96.42	
170	3.50	0.09	1.43	1.63	85.78	98.05	
200	3.75	0.07	0.14	0.16	85.92	98.21	
230	4.00	0.06	0.10	0.11	86.02	98.32	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.64	2.12	1.84	1.01	-0.19	-0.76	-3.90	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.56	0.68	1.74	-1.23	4.15		

<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: Juno16-01 #5.0							
Analysis Date: 05-13-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,271		959,289		Florida State Plane East		-68.6 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 (%):
87.35	86.47	0.10	0.28	#200 - 1.57 #230 - 1.40		91.14	
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	3.36	3.85	3.36	3.85	
5/16"	-3.00	8.00	5.32	6.09	8.68	9.94	
3.5	-2.50	5.66	5.67	6.49	14.35	16.43	
4	-2.25	4.76	3.29	3.76	17.63	20.19	
5	-2.00	4.00	3.77	4.32	21.40	24.51	
7	-1.50	2.83	5.75	6.58	27.15	31.09	
10	-1.00	2.00	6.32	7.23	33.47	38.32	
14	-0.50	1.41	9.39	10.75	42.86	49.07	
18	0.00	1.00	11.32	12.96	54.18	62.03	
25	0.50	0.71	8.12	9.30	62.30	71.33	
35	1.00	0.50	6.12	7.01	68.43	78.34	
45	1.50	0.35	5.54	6.34	73.96	84.68	
60	2.00	0.25	5.82	6.66	79.78	91.34	
80	2.50	0.18	4.02	4.60	83.80	95.94	
120	3.00	0.13	1.31	1.50	85.11	97.44	
170	3.50	0.09	0.59	0.67	85.70	98.11	
200	3.75	0.07	0.28	0.32	85.98	98.43	
230	4.00	0.06	0.15	0.17	86.12	98.60	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.40	1.45	0.76	-0.46	-1.96	-2.53	-3.41	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-0.57	1.48	1.74	0.04	2.23		

<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: Juno16-01 #8							
Analysis Date: 05-13-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,271		959,289		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 (%):
88.36	87.29	0.07	0.04	#200 - 1.56 #230 - 1.33		69.01	
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	2.21	2.50	2.21	2.50	
11/16"	-3.50	11.31	2.95	3.34	5.15	5.84	
5/16"	-3.00	8.00	0.00	0.00	5.15	5.84	
3.5	-2.50	5.66	0.69	0.78	5.84	6.62	
4	-2.25	4.76	0.25	0.29	6.10	6.91	
5	-2.00	4.00	0.42	0.48	6.52	7.39	
7	-1.50	2.83	0.76	0.85	7.27	8.24	
10	-1.00	2.00	0.71	0.80	7.98	9.04	
14	-0.50	1.41	1.37	1.55	9.36	10.59	
18	0.00	1.00	2.17	2.46	11.53	13.05	
25	0.50	0.71	4.15	4.69	15.67	17.74	
35	1.00	0.50	13.10	14.83	28.78	32.57	
45	1.50	0.35	21.27	24.07	50.04	56.64	
60	2.00	0.25	19.67	22.26	69.71	78.90	
80	2.50	0.18	11.22	12.70	80.93	91.60	
120	3.00	0.13	3.88	4.39	84.81	95.99	
170	3.50	0.09	1.96	2.22	86.78	98.21	
200	3.75	0.07	0.20	0.23	86.98	98.44	
230	4.00	0.06	0.20	0.23	87.18	98.67	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.89	2.20	1.91	1.36	0.74	0.31	-3.25	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.01	0.50	1.57	-1.87	6.52		

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Project Name: Juno 2016							
Sample Name: Juno16-01 #10							
Analysis Date: 05-13-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,271		959,289		Florida State Plane East		-73.6 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 (%):
87.63	86.82	0.05	-0.01	#200 - 1.06 #230 - 0.96		88.50	
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	1.69	1.92	1.68	1.92	
5/16"	-3.00	8.00	6.40	7.30	8.08	9.22	
3.5	-2.50	5.66	4.88	5.56	12.96	14.78	
4	-2.25	4.76	1.44	1.64	14.39	16.42	
5	-2.00	4.00	2.13	2.43	16.53	18.85	
7	-1.50	2.83	4.14	4.73	20.67	23.58	
10	-1.00	2.00	5.12	5.84	25.78	29.42	
14	-0.50	1.41	8.82	10.06	34.60	39.48	
18	0.00	1.00	11.35	12.96	45.95	52.44	
25	0.50	0.71	8.74	9.97	54.69	62.41	
35	1.00	0.50	7.81	8.91	62.50	71.32	
45	1.50	0.35	8.05	9.19	70.55	80.51	
60	2.00	0.25	8.61	9.83	79.16	90.34	
80	2.50	0.18	5.50	6.28	84.66	96.62	
120	3.00	0.13	1.44	1.64	86.09	98.26	
170	3.50	0.09	0.44	0.50	86.54	98.76	
200	3.75	0.07	0.16	0.18	86.70	98.94	
230	4.00	0.06	0.09	0.10	86.79	99.04	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.37	1.68	1.20	-0.09	-1.38	-2.31	-3.29	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-0.23	1.17	1.73	-0.28	2.21		

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: Juno16-01 #Comp							
Analysis Date: 05-13-16							
Analyzed By:							
Easting (ft): <b>966,271</b>		Northing (ft): <b>959,289</b>		Coordinate System: <b>Florida State Plane East</b>		Elevation (ft): <b>-77.6 NAVD 88</b>	
USCS: <b>SW</b>		Munsell: <b>Dry - 10YR-6/0.5</b>		Comments:			
Dry Weight (g): <b>88.07</b>	Wash Weight (g): <b>86.75</b>	Pan Retained (g): <b>0.61</b>	Sieve Loss (%): <b>1.67</b>	Fines (%): <b>#200 - 4.45</b> <b>#230 - 3.86</b>	Organics (%):	Carbonates (%): <b>81.00</b>	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	1.32	1.50	1.32	1.50	
5/16"	-3.00	8.00	1.18	1.34	2.50	2.84	
3.5	-2.50	5.66	1.26	1.43	3.76	4.27	
4	-2.25	4.76	0.39	0.44	4.15	4.71	
5	-2.00	4.00	0.34	0.39	4.49	5.10	
7	-1.50	2.83	1.55	1.76	6.03	6.86	
10	-1.00	2.00	2.11	2.40	8.14	9.26	
14	-0.50	1.41	4.03	4.57	12.17	13.83	
18	0.00	1.00	6.39	7.25	18.56	21.08	
25	0.50	0.71	6.87	7.80	25.43	28.88	
35	1.00	0.50	9.62	10.92	35.05	39.80	
45	1.50	0.35	12.91	14.66	47.97	54.46	
60	2.00	0.25	13.81	15.68	61.77	70.14	
80	2.50	0.18	10.95	12.44	72.72	82.58	
120	3.00	0.13	5.72	6.49	78.44	89.07	
170	3.50	0.09	5.26	5.98	83.71	95.05	
200	3.75	0.07	0.44	0.50	84.14	95.55	
230	4.00	0.06	0.52	0.59	84.67	96.14	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.50	2.61	2.20	1.35	0.25	-0.35	-2.06	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.02	0.49	1.55	-0.93	3.88		