

<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: Juno16-14 #0.5							
Analysis Date: 05-05-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,872		962,943		Florida State Plane East		-62.7 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 (%):
86.41	85.98	0.02	-0.20	#200 - 0.37 #230 - 0.33		81.87	
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	0.40	0.46	0.40	0.46	
4	-2.25	4.76	0.31	0.36	0.70	0.82	
5	-2.00	4.00	0.87	1.01	1.57	1.83	
7	-1.50	2.83	3.17	3.66	4.74	5.49	
10	-1.00	2.00	5.27	6.09	10.01	11.58	
14	-0.50	1.41	6.91	7.99	16.91	19.57	
18	0.00	1.00	9.52	11.02	26.44	30.59	
25	0.50	0.71	9.55	11.05	35.99	41.64	
35	1.00	0.50	9.28	10.74	45.27	52.38	
45	1.50	0.35	10.33	11.95	55.60	64.33	
60	2.00	0.25	13.51	15.64	69.11	79.97	
80	2.50	0.18	12.43	14.39	81.55	94.36	
120	3.00	0.13	3.91	4.52	85.45	98.88	
170	3.50	0.09	0.52	0.60	85.97	99.48	
200	3.75	0.07	0.13	0.15	86.10	99.63	
230	4.00	0.06	0.03	0.04	86.13	99.67	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.57	2.14	1.84	0.89	-0.25	-0.72	-1.57	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.74	0.60	1.31	-0.35	2.25		

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Project Name: Juno 2016							
Sample Name: Juno16-14 #3							
Analysis Date: 05-05-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,872		962,943		Florida State Plane East		-65.2 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 (%):
87.30	86.04	0.06	-0.24	#200 - 1.42 #230 - 1.28		86.44	
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	2.73	3.12	2.73	3.12	
5/16"	-3.00	8.00	2.83	3.24	5.56	6.36	
3.5	-2.50	5.66	3.79	4.34	9.35	10.70	
4	-2.25	4.76	1.47	1.69	10.82	12.39	
5	-2.00	4.00	2.94	3.37	13.76	15.76	
7	-1.50	2.83	5.12	5.86	18.88	21.62	
10	-1.00	2.00	4.15	4.75	23.03	26.37	
14	-0.50	1.41	5.96	6.83	28.99	33.20	
18	0.00	1.00	6.51	7.46	35.50	40.66	
25	0.50	0.71	6.55	7.51	42.06	48.17	
35	1.00	0.50	8.97	10.27	51.02	58.44	
45	1.50	0.35	10.84	12.42	61.87	70.86	
60	2.00	0.25	12.00	13.74	73.86	84.60	
80	2.50	0.18	8.42	9.64	82.28	94.24	
120	3.00	0.13	0.58	0.66	82.86	94.90	
170	3.50	0.09	3.00	3.44	85.86	98.34	
200	3.75	0.07	0.21	0.24	86.07	98.58	
230	4.00	0.06	0.12	0.14	86.19	98.72	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.01	1.98	1.65	0.59	-1.14	-1.98	-3.21	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.17	0.89	1.82	-0.45	2.28		

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Project Name: Juno 2016							
Sample Name: Juno16-14 #6							
Analysis Date: 05-05-16							
Analyzed By:							
Easting (ft): <div style="text-align: center;">966,872</div>		Northing (ft): <div style="text-align: center;">962,943</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-68.2 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;">87.30</div>	Wash Weight (g): <div style="text-align: center;">86.37</div>	Pan Retained (g): <div style="text-align: center;">0.05</div>	Sieve Loss (%): <div style="text-align: center;">0.06</div>	Fines (%): #200 - 1.28 #230 - 1.18	Organics (%):	Carbonates (%): <div style="text-align: center;">71.24</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	0.00	0.00	0.00	0.00	
3.5	-2.50	5.66	0.20	0.22	0.20	0.22	
4	-2.25	4.76	0.05	0.05	0.24	0.27	
5	-2.00	4.00	0.00	0.00	0.24	0.27	
7	-1.50	2.83	0.35	0.40	0.59	0.67	
10	-1.00	2.00	0.66	0.75	1.24	1.42	
14	-0.50	1.41	1.64	1.87	2.88	3.29	
18	0.00	1.00	3.39	3.88	6.27	7.17	
25	0.50	0.71	7.13	8.17	13.40	15.34	
35	1.00	0.50	14.33	16.41	27.72	31.75	
45	1.50	0.35	22.17	25.40	49.90	57.15	
60	2.00	0.25	20.16	23.09	70.05	80.24	
80	2.50	0.18	11.11	12.73	81.16	92.97	
120	3.00	0.13	4.24	4.86	85.40	97.83	
170	3.50	0.09	0.60	0.69	86.00	98.52	
200	3.75	0.07	0.17	0.20	86.18	98.72	
230	4.00	0.06	0.09	0.10	86.26	98.82	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.71	2.15	1.89	1.36	0.79	0.52	-0.28	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.29	0.41	0.87	-0.67	4.46		

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Project Name: Juno 2016							
Sample Name: Juno16-14 #9							
Analysis Date: 05-05-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,872		962,943		Florida State Plane East		-71.2 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 (%):
89.22	87.46	0.08	0.12	#200 - 2.36 #230 - 2.18		70.70	
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	0.36	0.40	0.36	0.40	
5	-2.00	4.00	0.00	0.00	0.36	0.40	
7	-1.50	2.83	0.06	0.07	0.42	0.47	
10	-1.00	2.00	0.67	0.75	1.09	1.22	
14	-0.50	1.41	0.99	1.11	2.08	2.33	
18	0.00	1.00	2.72	3.05	4.79	5.38	
25	0.50	0.71	6.87	7.70	11.66	13.08	
35	1.00	0.50	14.84	16.63	26.50	29.71	
45	1.50	0.35	22.77	25.52	49.27	55.23	
60	2.00	0.25	21.76	24.39	71.03	79.62	
80	2.50	0.18	10.26	11.50	81.29	91.12	
120	3.00	0.13	2.54	2.84	83.83	93.96	
170	3.50	0.09	3.06	3.43	86.89	97.39	
200	3.75	0.07	0.22	0.25	87.11	97.64	
230	4.00	0.06	0.16	0.18	87.28	97.82	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.15	2.19	1.91	1.40	0.86	0.59	-0.06	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.35	0.39	0.86	-0.39	4.58		

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Project Name: Juno 2016							
Sample Name: Juno16-14 #Comp							
Analysis Date: 05-05-16							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,872		962,943		Florida State Plane East		-73.2 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 (%):
89.41	88.54	0.05	-0.39	#200 - 0.76 #230 - 0.64		77.19	
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	0.76	0.85	0.76	0.85	
4	-2.25	4.76	0.33	0.37	1.08	1.22	
5	-2.00	4.00	0.89	0.99	1.97	2.21	
7	-1.50	2.83	2.07	2.32	4.04	4.53	
10	-1.00	2.00	2.83	3.17	6.87	7.70	
14	-0.50	1.41	3.71	4.15	10.59	11.85	
18	0.00	1.00	5.93	6.63	16.52	18.48	
25	0.50	0.71	8.56	9.57	25.08	28.05	
35	1.00	0.50	13.75	15.38	38.83	43.43	
45	1.50	0.35	17.62	19.71	56.45	63.14	
60	2.00	0.25	16.97	18.98	73.42	82.12	
80	2.50	0.18	10.11	11.31	83.53	93.43	
120	3.00	0.13	2.76	3.08	86.29	96.51	
170	3.50	0.09	2.29	2.56	88.58	99.07	
200	3.75	0.07	0.15	0.17	88.73	99.24	
230	4.00	0.06	0.10	0.12	88.84	99.36	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.75	2.08	1.81	1.17	0.34	-0.19	-1.43	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.98	0.51	1.2	-0.7	3.48		