

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 Historic							
Sample Name: PB-96-C91 #0.5							
Analysis Date: 08-02-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,744		961,342		Florida State Plane East		-64.2 NAVD 88	
USCS:		Munsell:		Comments:			
SW							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
33.30	33.04	0.01	0.00	#200 - 0.82		92.30	
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
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	0.17	0.51	0.17	0.51	
5	-2.00	4.00	0.48	1.44	0.65	1.95	
7	-1.50	2.83	0.81	2.43	1.46	4.38	
10	-1.00	2.00	1.69	5.08	3.15	9.46	
14	-0.50	1.41	2.72	8.17	5.87	17.63	
18	0.00	1.00	4.26	12.79	10.13	30.42	
25	0.50	0.71	4.75	14.26	14.88	44.68	
35	1.00	0.50	3.92	11.77	18.80	56.45	
45	1.50	0.35	3.45	10.36	22.25	66.81	
60	2.00	0.25	5.44	16.34	27.69	83.15	
80	2.50	0.18	4.17	12.52	31.86	95.67	
120	3.00	0.13	0.92	2.76	32.78	98.43	
170	3.50	0.09	0.19	0.57	32.97	99.00	
200	3.75	0.07	0.06	0.18	33.03	99.18	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.47	2.03	1.75	0.73	-0.21	-0.60	-1.44	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.68	0.62	1.24	-0.29	2.42		

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Project Name: Juno Historic							
Sample Name: PB-96-C91 #2.5							
Analysis Date: 08-02-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,744		961,342		Florida State Plane East		-66.2 NAVD 88	
USCS:		Munsell:		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
40.98	39.63	0.04	-0.05	#200 - 3.33		92.40	
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
5/8"	-4.00	16.00	4.93	12.03	4.93	12.03	
11/16"	-3.50	11.31	3.65	8.91	8.58	20.94	
5/16"	-3.00	8.00	1.47	3.59	10.05	24.53	
3.5	-2.50	5.66	2.88	7.03	12.93	31.56	
5	-2.00	4.00	0.81	1.98	13.74	33.54	
7	-1.50	2.83	1.19	2.90	14.93	36.44	
10	-1.00	2.00	1.83	4.47	16.76	40.91	
14	-0.50	1.41	2.54	6.20	19.30	47.11	
18	0.00	1.00	3.56	8.69	22.86	55.80	
25	0.50	0.71	3.79	9.25	26.65	65.05	
35	1.00	0.50	3.44	8.39	30.09	73.44	
45	1.50	0.35	2.75	6.71	32.84	80.15	
60	2.00	0.25	3.44	8.39	36.28	88.54	
80	2.50	0.18	2.08	5.08	38.36	93.62	
120	3.00	0.13	0.85	2.07	39.21	95.69	
170	3.50	0.09	0.25	0.61	39.46	96.30	
200	3.75	0.07	0.15	0.37	39.61	96.67	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.83	1.73	1.12	-0.33	-2.97	-3.78		
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-0.88	1.84	1.89	0.45	2.11		

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Project Name: Juno Historic							
Sample Name: PB-96-C91 #4.5							
Analysis Date: 08-02-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,744		961,342		Florida State Plane East		-68.2 NAVD 88	
USCS:		Munsell:		Comments:			
SW							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
30.61	29.98	0.02	-0.07	#200 - 2.06		86.30	
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
5/8"	-4.00	16.00	0.00	0.00	0.00	0.00	
11/16"	-3.50	11.31	2.68	8.76	2.68	8.76	
5/16"	-3.00	8.00	0.59	1.93	3.27	10.69	
3.5	-2.50	5.66	0.10	0.33	3.37	11.02	
5	-2.00	4.00	0.43	1.40	3.80	12.42	
7	-1.50	2.83	0.40	1.31	4.20	13.73	
10	-1.00	2.00	0.75	2.45	4.95	16.18	
14	-0.50	1.41	1.28	4.18	6.23	20.36	
18	0.00	1.00	2.26	7.38	8.49	27.74	
25	0.50	0.71	4.01	13.10	12.50	40.84	
35	1.00	0.50	4.88	15.94	17.38	56.78	
45	1.50	0.35	4.18	13.66	21.56	70.44	
60	2.00	0.25	4.69	15.32	26.25	85.76	
80	2.50	0.18	2.52	8.23	28.77	93.99	
120	3.00	0.13	0.91	2.97	29.68	96.96	
170	3.50	0.09	0.20	0.65	29.88	97.61	
200	3.75	0.07	0.10	0.33	29.98	97.94	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.67	1.94	1.65	0.79	-0.19	-1.04	-3.71	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.36	0.78	1.76	-1.1	3.53		

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Project Name: Juno Historic							
Sample Name: PB-96-C91 #7.0							
Analysis Date: 08-02-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,744		961,342		Florida State Plane East		-71.2 NAVD 88	
USCS:		Munsell:		Comments:			
SW							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
25.12	24.60	0.04	0.00	#200 - 2.19		74.50	
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
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	
5	-2.00	4.00	0.00	0.00	0.00	0.00	
7	-1.50	2.83	0.00	0.00	0.00	0.00	
10	-1.00	2.00	0.15	0.60	0.15	0.60	
14	-0.50	1.41	0.62	2.47	0.77	3.07	
18	0.00	1.00	1.74	6.93	2.51	10.00	
25	0.50	0.71	4.02	16.01	6.53	26.01	
35	1.00	0.50	4.86	19.35	11.39	45.36	
45	1.50	0.35	4.22	16.80	15.61	62.16	
60	2.00	0.25	5.06	20.15	20.67	82.31	
80	2.50	0.18	2.28	9.08	22.95	91.39	
120	3.00	0.13	1.20	4.78	24.15	96.17	
170	3.50	0.09	0.24	0.96	24.39	97.13	
200	3.75	0.07	0.17	0.68	24.56	97.81	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.88	2.09	1.82	1.14	0.47	0.19	-0.36	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.12	0.46	0.91	0.07	2.7		

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Project Name: Juno Historic							
Sample Name: PB-96-C91 #10.0							
Analysis Date: 08-02-96							
Analyzed By:							
Easting (ft): <div style="text-align: center;">966,744</div>		Northing (ft): <div style="text-align: center;">961,342</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-73.7 NAVD 88</div>	
USCS: <div style="text-align: center;">SW</div>		Munsell:		Comments:			
Dry Weight (g): <div style="text-align: center;">31.69</div>	Wash Weight (g): <div style="text-align: center;">30.41</div>	Pan Retained (g): <div style="text-align: center;">0.09</div>	Sieve Loss (%): <div style="text-align: center;">-0.06</div>	Fines (%): <div style="text-align: center;">#200 - 4.25</div>	Organics (%):	Carbonates (%): <div style="text-align: center;">80.10</div>	Shells (%):
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
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	
5	-2.00	4.00	0.31	0.98	0.31	0.98	
7	-1.50	2.83	0.56	1.77	0.87	2.75	
10	-1.00	2.00	0.73	2.30	1.60	5.05	
14	-0.50	1.41	0.85	2.68	2.45	7.73	
18	0.00	1.00	1.27	4.01	3.72	11.74	
25	0.50	0.71	2.18	6.88	5.90	18.62	
35	1.00	0.50	2.94	9.28	8.84	27.90	
45	1.50	0.35	3.61	11.39	12.45	39.29	
60	2.00	0.25	5.38	16.98	17.83	56.27	
80	2.50	0.18	3.87	12.21	21.70	68.48	
120	3.00	0.13	6.43	20.29	28.13	88.77	
170	3.50	0.09	1.91	6.03	30.04	94.80	
200	3.75	0.07	0.30	0.95	30.34	95.75	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.55	2.88	2.66	1.82	0.84	0.31	-1.01	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.54	0.34	1.27	-0.83	3.22		

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Project Name: Juno Historic							
Sample Name: PB-96-C91 #Comp							
Analysis Date: 08-02-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,744		961,342		Florida State Plane East		-74.3 NAVD 88	
USCS:		Munsell:		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
26.71	26.19	0.02	-0.04	#200 - 2.00		78.70	
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
5/8"	-4.00	16.00	5.26	19.69	5.26	19.69	
11/16"	-3.50	11.31	0.00	0.00	5.26	19.69	
5/16"	-3.00	8.00	0.51	1.91	5.77	21.60	
3.5	-2.50	5.66	0.00	0.00	5.77	21.60	
5	-2.00	4.00	0.29	1.09	6.06	22.69	
7	-1.50	2.83	0.61	2.28	6.67	24.97	
10	-1.00	2.00	0.73	2.73	7.40	27.70	
14	-0.50	1.41	0.95	3.56	8.35	31.26	
18	0.00	1.00	1.61	6.03	9.96	37.29	
25	0.50	0.71	3.06	11.45	13.02	48.74	
35	1.00	0.50	3.54	13.25	16.56	61.99	
45	1.50	0.35	3.02	11.31	19.58	73.30	
60	2.00	0.25	3.53	13.21	23.11	86.51	
80	2.50	0.18	1.88	7.04	24.99	93.55	
120	3.00	0.13	0.89	3.33	25.88	96.88	
170	3.50	0.09	0.23	0.86	26.11	97.74	
200	3.75	0.07	0.07	0.26	26.18	98.00	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.72	1.90	1.56	0.55	-1.49			
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-0.26	1.20	1.48	1.09	2.59		