

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-C54 #0.5							
Analysis Date: 08-01-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,618		959,181		Florida State Plane East		-65.0 NAVD 88	
USCS:		Munsell:		Comments:			
SW							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
39.22	39.22	0.01	0.00	#200 - 0.03			
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	5.68	14.48	5.68	14.48	
11/16"	-3.50	11.31	3.23	8.24	8.91	22.72	
5/16"	-3.00	8.00	0.00	0.00	8.91	22.72	
3.5	-2.50	5.66	0.72	1.84	9.63	24.56	
5	-2.00	4.00	0.92	2.35	10.55	26.91	
7	-1.50	2.83	0.91	2.32	11.46	29.23	
10	-1.00	2.00	1.63	4.16	13.09	33.39	
14	-0.50	1.41	2.20	5.61	15.29	39.00	
18	0.00	1.00	3.41	8.69	18.70	47.69	
25	0.50	0.71	4.13	10.53	22.83	58.22	
35	1.00	0.50	3.79	9.66	26.62	67.88	
45	1.50	0.35	3.67	9.36	30.29	77.24	
60	2.00	0.25	5.52	14.07	35.81	91.31	
80	2.50	0.18	2.81	7.16	38.62	98.47	
120	3.00	0.13	0.50	1.27	39.12	99.74	
170	3.50	0.09	0.08	0.20	39.20	99.94	
200	3.75	0.07	0.01	0.03	39.21	99.97	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.26	1.74	1.38	0.11	-2.41	-3.82	-4.16	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-0.5	1.41	2.22	-0.52	1.88		

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-C54 #3							
Analysis Date: 08-01-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,618		959,181		Florida State Plane East		-67.5 NAVD 88	
USCS:		Munsell:		Comments:			
SP							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
40.31	39.44	0.01	0.02	#200 - 2.21			
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	6.56	16.27	6.56	16.27	
11/16"	-3.50	11.31	1.38	3.42	7.94	19.69	
5/16"	-3.00	8.00	0.00	0.00	7.94	19.69	
3.5	-2.50	5.66	0.16	0.40	8.10	20.09	
5	-2.00	4.00	0.42	1.04	8.52	21.13	
7	-1.50	2.83	1.07	2.65	9.59	23.78	
10	-1.00	2.00	1.53	3.80	11.12	27.58	
14	-0.50	1.41	2.59	6.43	13.71	34.01	
18	0.00	1.00	4.20	10.42	17.91	44.43	
25	0.50	0.71	5.12	12.70	23.03	57.13	
35	1.00	0.50	4.29	10.64	27.32	67.77	
45	1.50	0.35	3.45	8.56	30.77	76.33	
60	2.00	0.25	4.72	11.71	35.49	88.04	
80	2.50	0.18	3.06	7.59	38.55	95.63	
120	3.00	0.13	0.64	1.59	39.19	97.22	
170	3.50	0.09	0.17	0.42	39.36	97.64	
200	3.75	0.07	0.06	0.15	39.42	97.79	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.46	1.83	1.42	0.22	-1.34	-4.00	-4.17	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-0.35	1.27	2.15	-0.68	2.24		

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Project Name: Juno Historic							
Sample Name: PB-96-C54 #7							
Analysis Date: 08-01-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,618		959,181		Florida State Plane East		-71.5 NAVD 88	
USCS:		Munsell:		Comments:			
SP							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
28.64	28.36	0.00	0.00	#200 - 0.98			
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	
5	-2.00	4.00	0.20	0.70	0.20	0.70	
7	-1.50	2.83	0.07	0.24	0.27	0.94	
10	-1.00	2.00	0.28	0.98	0.55	1.92	
14	-0.50	1.41	0.51	1.78	1.06	3.70	
18	0.00	1.00	1.30	4.54	2.36	8.24	
25	0.50	0.71	3.24	11.31	5.60	19.55	
35	1.00	0.50	5.56	19.41	11.16	38.96	
45	1.50	0.35	5.83	20.36	16.99	59.32	
60	2.00	0.25	6.26	21.86	23.25	81.18	
80	2.50	0.18	3.43	11.98	26.68	93.16	
120	3.00	0.13	1.46	5.10	28.14	98.26	
170	3.50	0.09	0.19	0.66	28.33	98.92	
200	3.75	0.07	0.03	0.10	28.36	99.02	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.68	2.12	1.86	1.27	0.64	0.34	-0.36	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.2	0.44	0.91	-0.59	3.95		

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Project Name: Juno Historic							
Sample Name: PB-96-C54 #10							
Analysis Date: 08-01-96							
Analyzed By:							
Easting (ft): 966,618		Northing (ft): 959,181		Coordinate System: Florida State Plane East		Elevation (ft): -74.5 NAVD 88	
USCS:		Munsell:		Comments:			
Dry Weight (g): 30.06	Wash Weight (g): 26.84	Pan Retained (g): 0.11	Sieve Loss (%): -0.03	Fines (%): #200 - 11.06	Organics (%):	Carbonates (%):	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	0.09	0.30	0.09	0.30	
5	-2.00	4.00	0.16	0.53	0.25	0.83	
7	-1.50	2.83	0.34	1.13	0.59	1.96	
10	-1.00	2.00	0.36	1.20	0.95	3.16	
14	-0.50	1.41	0.75	2.49	1.70	5.65	
18	0.00	1.00	0.97	3.23	2.67	8.88	
25	0.50	0.71	1.62	5.39	4.29	14.27	
35	1.00	0.50	2.00	6.65	6.29	20.92	
45	1.50	0.35	2.39	7.95	8.68	28.87	
60	2.00	0.25	3.87	12.87	12.55	41.74	
80	2.50	0.18	4.41	14.67	16.96	56.41	
120	3.00	0.13	8.35	27.78	25.31	84.19	
170	3.50	0.09	1.17	3.89	26.48	88.08	
200	3.75	0.07	0.26	0.86	26.74	88.94	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.00	2.83	2.28	1.26	0.63	-0.63	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.75	0.30	1.22	-1.15	3.95		

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Project Name: Juno Historic							
Sample Name: PB-96-C54 #13							
Analysis Date: 08-01-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,618		959,181		Florida State Plane East		-78.0 NAVD 88	
USCS:		Munsell:		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
19.56	13.04	0.16	-0.10	#200 - 34.07			
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	
5	-2.00	4.00	0.08	0.41	0.08	0.41	
7	-1.50	2.83	0.04	0.20	0.12	0.61	
10	-1.00	2.00	0.12	0.61	0.24	1.22	
14	-0.50	1.41	0.33	1.69	0.57	2.91	
18	0.00	1.00	0.39	1.99	0.96	4.90	
25	0.50	0.71	0.40	2.04	1.36	6.94	
35	1.00	0.50	0.37	1.89	1.73	8.83	
45	1.50	0.35	0.30	1.53	2.03	10.36	
60	2.00	0.25	0.57	2.91	2.60	13.27	
80	2.50	0.18	0.95	4.86	3.55	18.13	
120	3.00	0.13	4.82	24.64	8.37	42.77	
170	3.50	0.09	3.69	18.87	12.06	61.64	
200	3.75	0.07	0.84	4.29	12.90	65.93	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
			3.19	2.64	2.28	0.02	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.44	0.18	1.18	-1.81	5.69		

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Project Name: Juno Historic							
Sample Name: PB-96-C54 #16							
Analysis Date: 08-01-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,618		959,181		Florida State Plane East		-81.0 NAVD 88	
USCS:		Munsell:		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
33.92	27.85	0.21	0.00	#200 - 18.51			
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	
5	-2.00	4.00	0.00	0.00	0.00	0.00	
7	-1.50	2.83	0.25	0.74	0.25	0.74	
10	-1.00	2.00	0.30	0.88	0.55	1.62	
14	-0.50	1.41	0.42	1.24	0.97	2.86	
18	0.00	1.00	0.53	1.56	1.50	4.42	
25	0.50	0.71	0.72	2.12	2.22	6.54	
35	1.00	0.50	0.82	2.42	3.04	8.96	
45	1.50	0.35	0.96	2.83	4.00	11.79	
60	2.00	0.25	2.12	6.25	6.12	18.04	
80	2.50	0.18	2.97	8.76	9.09	26.80	
120	3.00	0.13	13.15	38.77	22.24	65.57	
170	3.50	0.09	4.42	13.03	26.66	78.60	
200	3.75	0.07	0.98	2.89	27.64	81.49	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
		3.36	2.80	2.40	1.84	0.14	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.36	0.19	1.05	-1.89	6.45		

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Project Name: Juno Historic							
Sample Name: PB-96-C54 #19							
Analysis Date: 08-01-96							
Analyzed By:							
Easting (ft): <div style="text-align: center;">966,618</div>		Northing (ft): <div style="text-align: center;">959,181</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-83.5 NAVD 88</div>	
USCS:		Munsell:		Comments:			
Dry Weight (g): <div style="text-align: center;">51.11</div>	Wash Weight (g): <div style="text-align: center;">30.08</div>	Pan Retained (g): <div style="text-align: center;">0.26</div>	Sieve Loss (%): <div style="text-align: center;">-0.04</div>	Fines (%): <div style="text-align: center;">#200 - 41.62</div>	Organics (%):	Carbonates (%):	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	0.00	0.00	0.00	0.00	
5	-2.00	4.00	0.00	0.00	0.00	0.00	
7	-1.50	2.83	0.12	0.23	0.12	0.23	
10	-1.00	2.00	0.11	0.22	0.23	0.45	
14	-0.50	1.41	0.18	0.35	0.41	0.80	
18	0.00	1.00	0.32	0.63	0.73	1.43	
25	0.50	0.71	0.49	0.96	1.22	2.39	
35	1.00	0.50	0.83	1.62	2.05	4.01	
45	1.50	0.35	2.12	4.15	4.17	8.16	
60	2.00	0.25	4.35	8.51	8.52	16.67	
80	2.50	0.18	8.23	16.10	16.75	32.77	
120	3.00	0.13	8.52	16.67	25.27	49.44	
170	3.50	0.09	3.70	7.24	28.97	56.68	
200	3.75	0.07	0.87	1.70	29.84	58.38	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
			3.04	2.26	1.96	1.12	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.26	0.21	0.85	-1.41	6.36		

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Project Name: Juno Historic							
Sample Name: PB-96-C54 #Comp							
Analysis Date: 08-01-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
966,618		959,181		Florida State Plane East		-84.5 NAVD 88	
USCS:		Munsell:		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
41.28	34.98	0.21	0.00	#200 - 15.78			
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	0.63	1.53	0.63	1.53	
5/16"	-3.00	8.00	0.00	0.00	0.63	1.53	
3.5	-2.50	5.66	0.55	1.33	1.18	2.86	
5	-2.00	4.00	0.04	0.10	1.22	2.96	
7	-1.50	2.83	0.20	0.48	1.42	3.44	
10	-1.00	2.00	0.38	0.92	1.80	4.36	
14	-0.50	1.41	0.72	1.74	2.52	6.10	
18	0.00	1.00	1.33	3.22	3.85	9.32	
25	0.50	0.71	2.13	5.16	5.98	14.48	
35	1.00	0.50	2.71	6.57	8.69	21.05	
45	1.50	0.35	2.96	7.17	11.65	28.22	
60	2.00	0.25	7.06	17.10	18.71	45.32	
80	2.50	0.18	3.88	9.40	22.59	54.72	
120	3.00	0.13	8.74	21.17	31.33	75.89	
170	3.50	0.09	2.80	6.78	34.13	82.67	
200	3.75	0.07	0.64	1.55	34.77	84.22	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.71	2.98	2.25	1.28	0.62	-0.82	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.64	0.32	1.45	-1.55	5.89		