

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-C86 #0.5							
Analysis Date: 08-01-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
965,496		959,116		Florida State Plane East		-63.0 NAVD 88	
USCS:		Munsell:		Comments:			
SW							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
23.10	23.09	0.00	0.04	#200 - 0.11		79.10	
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	0.26	1.13	0.26	1.13	
7	-1.50	2.83	0.34	1.47	0.60	2.60	
10	-1.00	2.00	1.20	5.19	1.80	7.79	
14	-0.50	1.41	1.93	8.35	3.73	16.14	
18	0.00	1.00	2.99	12.94	6.72	29.08	
25	0.50	0.71	3.43	14.85	10.15	43.93	
35	1.00	0.50	3.51	15.19	13.66	59.12	
45	1.50	0.35	2.75	11.90	16.41	71.02	
60	2.00	0.25	3.21	13.90	19.62	84.92	
80	2.50	0.18	2.68	11.60	22.30	96.52	
120	3.00	0.13	0.64	2.77	22.94	99.29	
170	3.50	0.09	0.13	0.56	23.07	99.85	
200	3.75	0.07	0.01	0.04	23.08	99.89	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.43	1.97	1.64	0.70	-0.16	-0.51	-1.27	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.69	0.62	1.15	-0.18	2.37		

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-C86 #3.0							
Analysis Date: 08-01-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
965,496		959,116		Florida State Plane East		-65.5 NAVD 88	
USCS:		Munsell:		Comments:			
SW							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
25.40	25.37	0.00	0.04	#200 - 0.16		84.00	
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	3.63	14.29	3.63	14.29	
5/16"	-3.00	8.00	0.00	0.00	3.63	14.29	
3.5	-2.50	5.66	0.00	0.00	3.63	14.29	
5	-2.00	4.00	0.50	1.97	4.13	16.26	
7	-1.50	2.83	0.63	2.48	4.76	18.74	
10	-1.00	2.00	0.91	3.58	5.67	22.32	
14	-0.50	1.41	1.60	6.30	7.27	28.62	
18	0.00	1.00	2.54	10.00	9.81	38.62	
25	0.50	0.71	3.24	12.76	13.05	51.38	
35	1.00	0.50	3.17	12.48	16.22	63.86	
45	1.50	0.35	2.64	10.39	18.86	74.25	
60	2.00	0.25	3.21	12.64	22.07	86.89	
80	2.50	0.18	2.49	9.80	24.56	96.69	
120	3.00	0.13	0.58	2.28	25.14	98.97	
170	3.50	0.09	0.17	0.67	25.31	99.64	
200	3.75	0.07	0.05	0.20	25.36	99.84	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.41	1.89	1.53	0.45	-0.79	-2.20	-3.48	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.05	0.97	1.92	-0.81	2.7		

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Project Name: Juno Historic							
Sample Name: PB-96-C86 #5.0							
Analysis Date: 08-01-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
965,496		959,116		Florida State Plane East		-67.5 NAVD 88	
USCS:		Munsell:		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
30.67	25.37	0.00		#200 - 0.02		92.80	
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
5/8"	-4.00	16.00	5.60	18.26	5.60	18.26	
11/16"	-3.50	11.31	3.40	11.09	9.00	29.35	
5/16"	-3.00	8.00	0.53	1.73	9.53	31.08	
3.5	-2.50	5.66	0.12	0.39	9.65	31.47	
5	-2.00	4.00	0.67	2.18	10.32	33.65	
7	-1.50	2.83	0.61	1.99	10.93	35.64	
10	-1.00	2.00	1.79	5.84	12.72	41.48	
14	-0.50	1.41	2.61	8.51	15.33	49.99	
18	0.00	1.00	3.48	11.35	18.81	61.34	
25	0.50	0.71	3.52	11.48	22.33	72.82	
35	1.00	0.50	2.57	8.38	24.90	81.20	
45	1.50	0.35	1.80	5.87	26.70	87.07	
60	2.00	0.25	2.13	6.94	28.83	94.01	
80	2.50	0.18	1.26	4.11	30.09	98.12	
120	3.00	0.13	0.34	1.11	30.43	99.23	
170	3.50	0.09	0.18	0.59	30.61	99.82	
200	3.75	0.07	0.05	0.16	30.66	99.98	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.12	1.24	0.63	-0.50	-3.70			
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-1.07	2.10	1.77	0.64	2.44		

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-C86 #7.0							
Analysis Date: 08-01-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
965,496		959,116		Florida State Plane East		-69.5 NAVD 88	
USCS:		Munsell:		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
24.05	23.60	0.00	0.12	#200 - 1.99		85.20	
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
5/8"	-4.00	16.00	2.92	12.14	2.92	12.14	
11/16"	-3.50	11.31	2.69	11.19	5.61	23.33	
5/16"	-3.00	8.00	0.00	0.00	5.61	23.33	
3.5	-2.50	5.66	0.32	1.33	5.93	24.66	
5	-2.00	4.00	0.55	2.29	6.48	26.95	
7	-1.50	2.83	0.90	3.74	7.38	30.69	
10	-1.00	2.00	1.25	5.20	8.63	35.89	
14	-0.50	1.41	1.50	6.24	10.13	42.13	
18	0.00	1.00	1.98	8.23	12.11	50.36	
25	0.50	0.71	2.07	8.61	14.18	58.97	
35	1.00	0.50	1.73	7.19	15.91	66.16	
45	1.50	0.35	2.01	8.36	17.92	74.52	
60	2.00	0.25	3.35	13.93	21.27	88.45	
80	2.50	0.18	1.85	7.69	23.12	96.14	
120	3.00	0.13	0.37	1.54	23.49	97.68	
170	3.50	0.09	0.06	0.25	23.55	97.93	
200	3.75	0.07	0.02	0.08	23.57	98.01	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.43	1.84	1.52	-0.02	-2.43	-3.66		
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-0.58	1.49	1.86	0.18	2.1		

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Project Name: Juno Historic							
Sample Name: PB-96-C86 #8.7							
Analysis Date: 08-01-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
965,496		959,116		Florida State Plane East		-71.2 NAVD 88	
USCS:		Munsell:		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
25.80	25.52	0.00	0.04	#200 - 1.12		76.00	
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
5/8"	-4.00	16.00	3.05	11.82	3.05	11.82	
11/16"	-3.50	11.31	0.00	0.00	3.05	11.82	
5/16"	-3.00	8.00	0.00	0.00	3.05	11.82	
3.5	-2.50	5.66	1.74	6.74	4.79	18.56	
5	-2.00	4.00	0.11	0.43	4.90	18.99	
7	-1.50	2.83	0.37	1.43	5.27	20.42	
10	-1.00	2.00	0.79	3.06	6.06	23.48	
14	-0.50	1.41	1.05	4.07	7.11	27.55	
18	0.00	1.00	1.14	4.42	8.25	31.97	
25	0.50	0.71	1.65	6.40	9.90	38.37	
35	1.00	0.50	3.11	12.05	13.01	50.42	
45	1.50	0.35	4.45	17.25	17.46	67.67	
60	2.00	0.25	4.99	19.34	22.45	87.01	
80	2.50	0.18	2.25	8.72	24.70	95.73	
120	3.00	0.13	0.68	2.64	25.38	98.37	
170	3.50	0.09	0.09	0.35	25.47	98.72	
200	3.75	0.07	0.04	0.16	25.51	98.88	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.46	1.92	1.69	0.98	-0.81	-3.07		
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.15	0.90	1.46	0.19	2.27		

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Project Name: Juno Historic							
Sample Name: PB-96-C86 #12.0							
Analysis Date: 08-01-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
965,496		959,116		Florida State Plane East		-74.5 NAVD 88	
USCS:		Munsell:		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
23.44	19.93	0.00	0.00	#200 - 14.96		97.60	
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	0.41	1.75	0.41	1.75	
3.5	-2.50	5.66	0.86	3.67	1.27	5.42	
5	-2.00	4.00	1.19	5.08	2.46	10.50	
7	-1.50	2.83	0.72	3.07	3.18	13.57	
10	-1.00	2.00	1.01	4.31	4.19	17.88	
14	-0.50	1.41	1.70	7.25	5.89	25.13	
18	0.00	1.00	1.16	4.95	7.05	30.08	
25	0.50	0.71	1.57	6.70	8.62	36.78	
35	1.00	0.50	1.85	7.89	10.47	44.67	
45	1.50	0.35	1.99	8.49	12.46	53.16	
60	2.00	0.25	2.67	11.39	15.13	64.55	
80	2.50	0.18	1.79	7.64	16.92	72.19	
120	3.00	0.13	1.67	7.13	18.59	79.32	
170	3.50	0.09	1.28	5.46	19.87	84.78	
200	3.75	0.07	0.06	0.26	19.93	85.04	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.43	2.70	1.31	-0.51	-1.22	-2.56	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.58	0.67	1.78	-0.39	2.15		

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Project Name: Juno Historic							
Sample Name: PB-96-C86 #Comp							
Analysis Date: 08-01-96							
Analyzed By:							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
965,496		959,116		Florida State Plane East		-76.0 NAVD 88	
USCS:		Munsell:		Comments:			
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
45.28	44.70	0.05	0.00	#200 - 1.39		83.80	
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
5/8"	-4.00	16.00	5.11	11.29	5.11	11.29	
11/16"	-3.50	11.31	0.90	1.99	6.01	13.28	
5/16"	-3.00	8.00	0.00	0.00	6.01	13.28	
3.5	-2.50	5.66	0.40	0.88	6.41	14.16	
5	-2.00	4.00	0.45	0.99	6.86	15.15	
7	-1.50	2.83	2.04	4.51	8.90	19.66	
10	-1.00	2.00	2.40	5.30	11.30	24.96	
14	-0.50	1.41	3.34	7.38	14.64	32.34	
18	0.00	1.00	4.01	8.86	18.65	41.20	
25	0.50	0.71	4.82	10.64	23.47	51.84	
35	1.00	0.50	4.75	10.49	28.22	62.33	
45	1.50	0.35	4.77	10.53	32.99	72.86	
60	2.00	0.25	6.43	14.20	39.42	87.06	
80	2.50	0.18	3.96	8.75	43.38	95.81	
120	3.00	0.13	0.98	2.16	44.36	97.97	
170	3.50	0.09	0.23	0.51	44.59	98.48	
200	3.75	0.07	0.06	0.13	44.65	98.61	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.45	1.89	1.58	0.41	-1.00	-1.91		
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-0.06	1.04	1.45	0.45	2.66		