


Granularmetric Report Depths and elevations based on measured values				 Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116			
Project Name: St. Lucie Vibracores							
Sample Name: SLVC-06-35 #1							
Analysis Date: 06-17-06							
Analyzed By: JF							
Easting (ft): <div style="text-align: center;">913,393</div>		Northing (ft): <div style="text-align: center;">1,081,235</div>		Coordinate System: <div style="text-align: center;">Florida State Plane East</div>		Elevation (ft): <div style="text-align: center;">-35.7 NAVD 88</div>	
USCS: <div style="text-align: center;">SW</div>		Munsell: Wet - 2.5Y-4/1 Dry - 2.5Y-6/1 Washed - 2.5Y-6/1		Comments:			
Dry Weight (g): <div style="text-align: center;">88.85</div>	Wash Weight (g): <div style="text-align: center;">86.34</div>	Pan Retained (g): <div style="text-align: center;">0.03</div>	Sieve Loss (%): <div style="text-align: center;">0.06</div>	Fines (%): #200 - 3.19 #230 - 2.91	Organics (%):	Carbonates (%):	Shell Hash (%): <div style="text-align: center;">22</div>
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	
7/16"	-3.50	11.31	3.95	4.45	3.95	4.45	
5/16"	-3.00	8.00	3.64	4.10	7.59	8.55	
3.5	-2.50	5.66	4.31	4.85	11.90	13.40	
4	-2.25	4.76	1.80	2.03	13.70	15.43	
5	-2.00	4.00	1.72	1.94	15.42	17.37	
7	-1.50	2.83	3.84	4.32	19.26	21.69	
10	-1.00	2.00	4.87	5.48	24.13	27.17	
14	-0.50	1.41	8.48	9.54	32.61	36.71	
18	0.00	1.00	9.59	10.79	42.20	47.50	
25	0.50	0.71	12.66	14.25	54.86	61.75	
35	1.00	0.50	13.71	15.43	68.57	77.18	
45	1.50	0.35	9.51	10.70	78.08	87.88	
60	2.00	0.25	2.78	3.13	80.86	91.01	
80	2.50	0.18	1.30	1.46	82.16	92.47	
120	3.00	0.13	1.27	1.43	83.43	93.90	
170	3.50	0.09	1.81	2.04	85.24	95.94	
200	3.75	0.07	0.77	0.87	86.01	96.81	
230	4.00	0.06	0.25	0.28	86.26	97.09	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.27	1.32	0.93	0.09	-1.20	-2.18	-3.43	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	-0.25	1.19	1.68	-0.28	2.76		

Granularmetric Report

Depths and elevations based on measured values



Coastal Planning & Engineering
2481 NW Boca Raton Blvd, Boca Raton
FL 33431
ph (561) 391-8102
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Project Name: St. Lucie Vibracores

Sample Name: SLVC-06-35 #2

Analysis Date: 06-20-06

Analyzed By: DA

Easting (ft):

913,393

Northing (ft):

1,081,235

Coordinate System:

Florida State Plane East

Elevation (ft):

-39.1 NAVD 88

USCS:

SM-SC

Munsell:

Wet - 2.5Y-6/1

Dry - 2.5Y-6/1

Washed - 2.5Y-6/1

Comments:

Dry Weight (g):

157.76

Wash Weight (g):

139.30

Pan Retained (g):

1.28

Sieve Loss (%):

0.14

Fines (%):

#200 - 17.73

#230 - 12.64

Organics (%):

Carbonates (%):

Shell Hash (%):

6

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
7/16"	-3.50	11.31	2.82	1.79	2.82	1.79
5/16"	-3.00	8.00	2.81	1.78	5.63	3.57
3.5	-2.50	5.66	2.95	1.87	8.58	5.44
4	-2.25	4.76	2.46	1.56	11.04	7.00
5	-2.00	4.00	1.80	1.14	12.84	8.14
7	-1.50	2.83	4.49	2.85	17.33	10.99
10	-1.00	2.00	4.53	2.87	21.86	13.86
14	-0.50	1.41	5.72	3.63	27.58	17.49
18	0.00	1.00	4.24	2.69	31.82	20.18
25	0.50	0.71	5.09	3.23	36.91	23.41
35	1.00	0.50	4.36	2.76	41.27	26.17
45	1.50	0.35	3.20	2.03	44.47	28.20
60	2.00	0.25	2.33	1.48	46.80	29.68
80	2.50	0.18	2.13	1.35	48.93	31.03
120	3.00	0.13	3.89	2.47	52.82	33.50
170	3.50	0.09	37.25	23.61	90.07	57.11
200	3.75	0.07	39.70	25.16	129.77	82.27
230	4.00	0.06	8.03	5.09	137.80	87.36

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

3.83

3.68

3.35

0.79

-0.71

-2.62

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.94

0.26

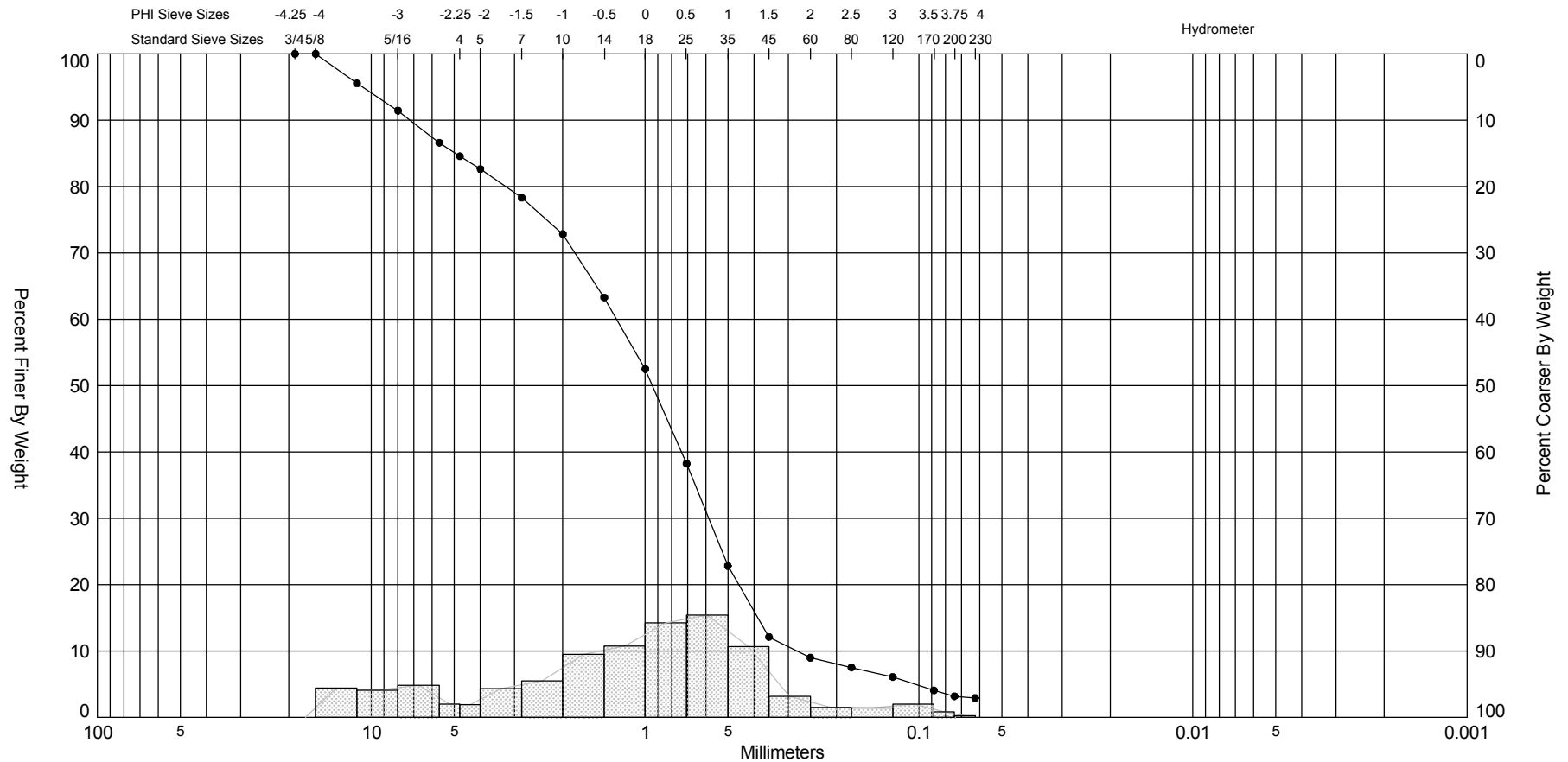
2.27

-1.1


2.77

GRANULARMETRIC REPORT ST LUCIE VC.GPJ FL DEP ROSS.GDT 6/28/06

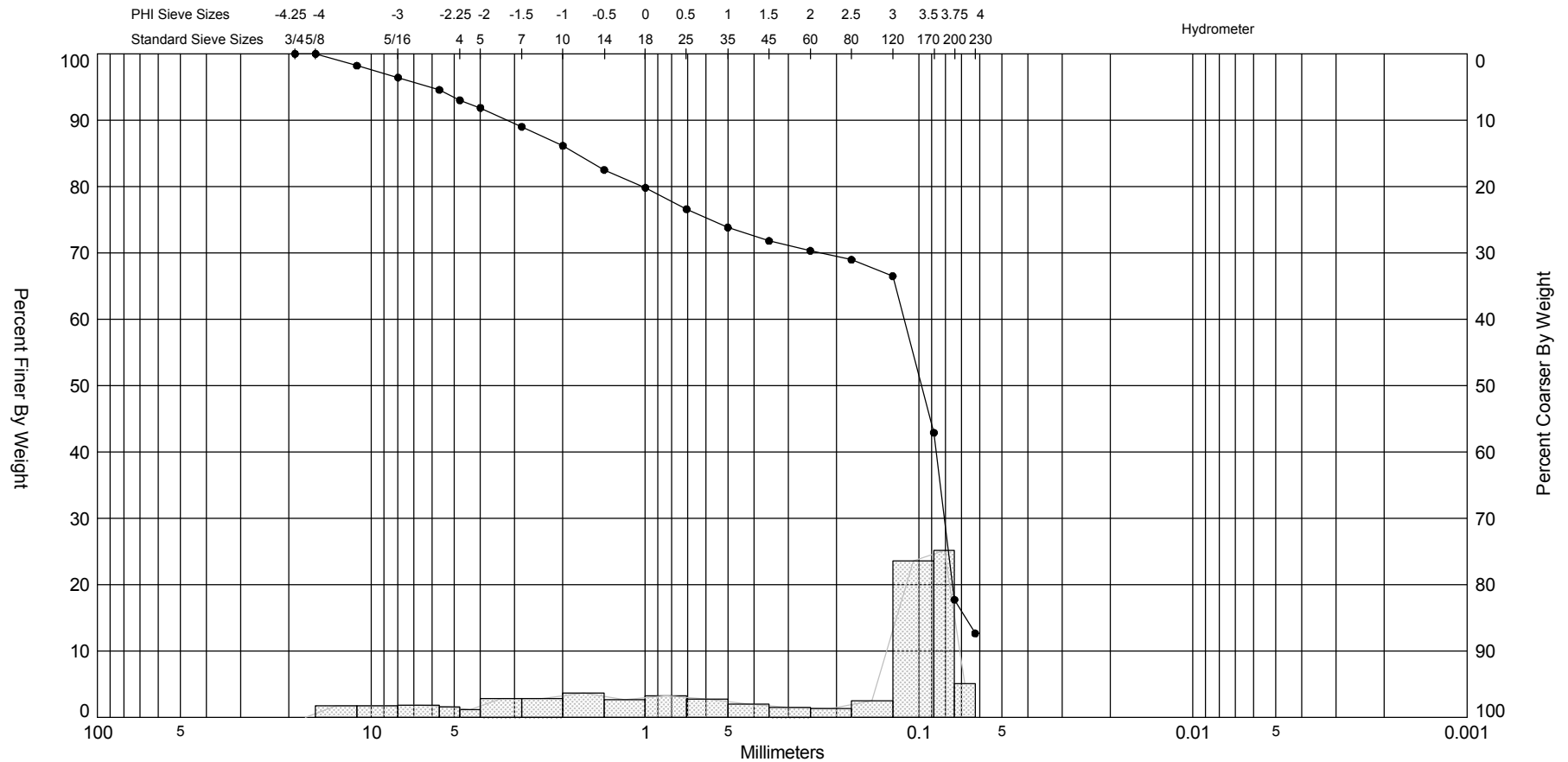
SIEVE ANALYSIS ST LUCIE VC.GPJ FL DEP ROSS.GDT 6/28/06




Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
SLVC-06-35 #1	—●—	-35.7	SW	#200 - 3.19 #230 - 2.91			0.09	-0.25	-0.28	2.76	1.68	Project Name:	St. Lucie Vibracores
Comments:												Analysis Date:	06-17-06
Depths and elevations based on measured values												Analyzed By:	JF
						Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116						Easting (X, ft):	913,393
												Northing (Y, ft):	1,081,235
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88

SIEVE ANALYSIS ST LUCIE VC.GPJ FL DEP ROSS.GDT 6/28/06



Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
SLVC-06-35 #2	—●—	-39.1	SM-SC	#200 - 17.73 #230 - 12.64			3.35	1.94	-1.1	2.77	2.27	Project Name:	St. Lucie Vibracores
Comments:												Analysis Date:	06-20-06
Depths and elevations based on measured values												Analyzed By:	DA
						Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116						Easting (X, ft):	913,393
												Northing (Y, ft):	1,081,235
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