

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-06-33 #1

Analysis Date: 06-16-06

Analyzed By: RS

Easting (ft):

913,686

Northing (ft):

1,082,426

Coordinate System:

Florida State Plane East

Elevation (ft):

-36.8 NAVD 88

USCS:

SW

Munsell:

Wet - 2.5Y-4/1

Dry - 2.5Y-5/1

Washed - 2.5Y-5/1

Comments:

Dry Weight (g):

83.61

Wash Weight (g):

81.89

Pan Retained (g):

0.06

Sieve Loss (%):

0.28

Fines (%):

#200 - 3.09

#230 - 2.41

Organics (%):

Carbonates (%):

Shell Hash (%):

6

Sieve Number

Sieve Size (Phi)

Sieve Size (Millimeters)

Grams Retained

% Weight Retained

Cum. Grams Retained

C. % Weight Retained

1"

-4.75

26.91

0.00

0.00

0.00

0.00

3/4"

-4.25

19.03

5.20

6.22

5.20

6.22

5/8"

-4.00

16.00

0.56

0.67

5.76

6.89

7/16"

-3.50

11.31

0.00

0.00

5.76

6.89

5/16"

-3.00

8.00

1.54

1.84

7.30

8.73

3.5

-2.50

5.66

0.93

1.11

8.23

9.84

4

-2.25

4.76

0.47

0.56

8.70

10.40

5

-2.00

4.00

0.60

0.72

9.30

11.12

7

-1.50

2.83

1.04

1.24

10.34

12.36

10

-1.00

2.00

1.50

1.79

11.84

14.15

14

-0.50

1.41

2.20

2.63

14.04

16.78

18

0.00

1.00

3.35

4.01

17.39

20.79

25

0.50

0.71

6.73

8.05

24.12

28.84

35

1.00

0.50

11.38

13.61

35.50

42.45

45

1.50

0.35

15.05

18.00

50.55

60.45

60

2.00

0.25

16.63

19.89

67.18

80.34

80

2.50

0.18

5.01

5.99

72.19

86.33

120

3.00

0.13

3.24

3.88

75.43

90.21

170

3.50

0.09

3.77

4.51

79.20

94.72

200

3.75

0.07

1.83

2.19

81.03

96.91

230

4.00

0.06

0.57

0.68

81.60

97.59

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

3.53

2.31

1.87

1.21

0.26

-0.65

-4.35

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

0.71


0.61

1.96

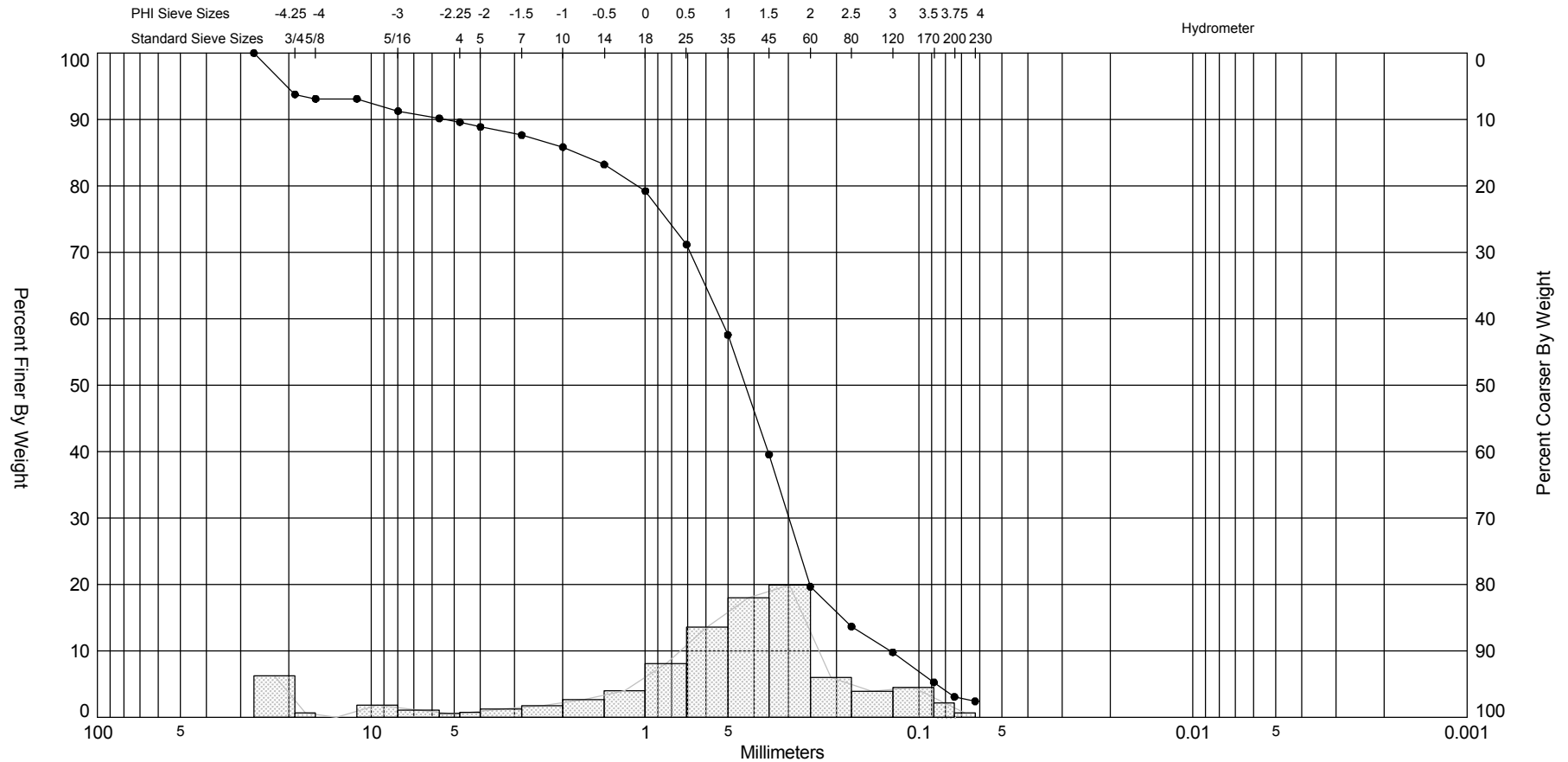
-1.3

4.35


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

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-06-33 #2							
Analysis Date: 06-16-06							
Analyzed By: RS							
Easting (ft): 913,686		Northing (ft): 1,082,426		Coordinate System: Florida State Plane East		Elevation (ft): -39.3 NAVD 88	
USCS: SW-SM		Munsell: Wet - 10Y-5/1 Dry - 10Y-6/1 Washed - 10Y-6/1		Comments:			
Dry Weight (g): 86.67	Wash Weight (g): 83.31	Pan Retained (g): 1.03	Sieve Loss (%): 0.29	Fines (%): #200 - 8.87 #230 - 5.36	Organics (%):	Carbonates (%):	Shell Hash (%): 4
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	0.00	0.00	0.00	0.00	
5/16"	-3.00	8.00	0.70	0.81	0.70	0.81	
3.5	-2.50	5.66	0.69	0.80	1.39	1.61	
4	-2.25	4.76	0.43	0.50	1.82	2.11	
5	-2.00	4.00	0.55	0.63	2.37	2.74	
7	-1.50	2.83	0.82	0.95	3.19	3.69	
10	-1.00	2.00	1.30	1.50	4.49	5.19	
14	-0.50	1.41	1.25	1.44	5.74	6.63	
18	0.00	1.00	0.90	1.04	6.64	7.67	
25	0.50	0.71	0.74	0.85	7.38	8.52	
35	1.00	0.50	0.80	0.92	8.18	9.44	
45	1.50	0.35	0.98	1.13	9.16	10.57	
60	2.00	0.25	1.59	1.83	10.75	12.40	
80	2.50	0.18	3.35	3.87	14.10	16.27	
120	3.00	0.13	13.15	15.17	27.25	31.44	
170	3.50	0.09	39.29	45.33	66.54	76.77	
200	3.75	0.07	12.45	14.36	78.99	91.13	
230	4.00	0.06	3.04	3.51	82.03	94.64	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.63	3.48	3.20	2.79	2.47	-1.06	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.71	0.15	1.43	-2.57	8.98		

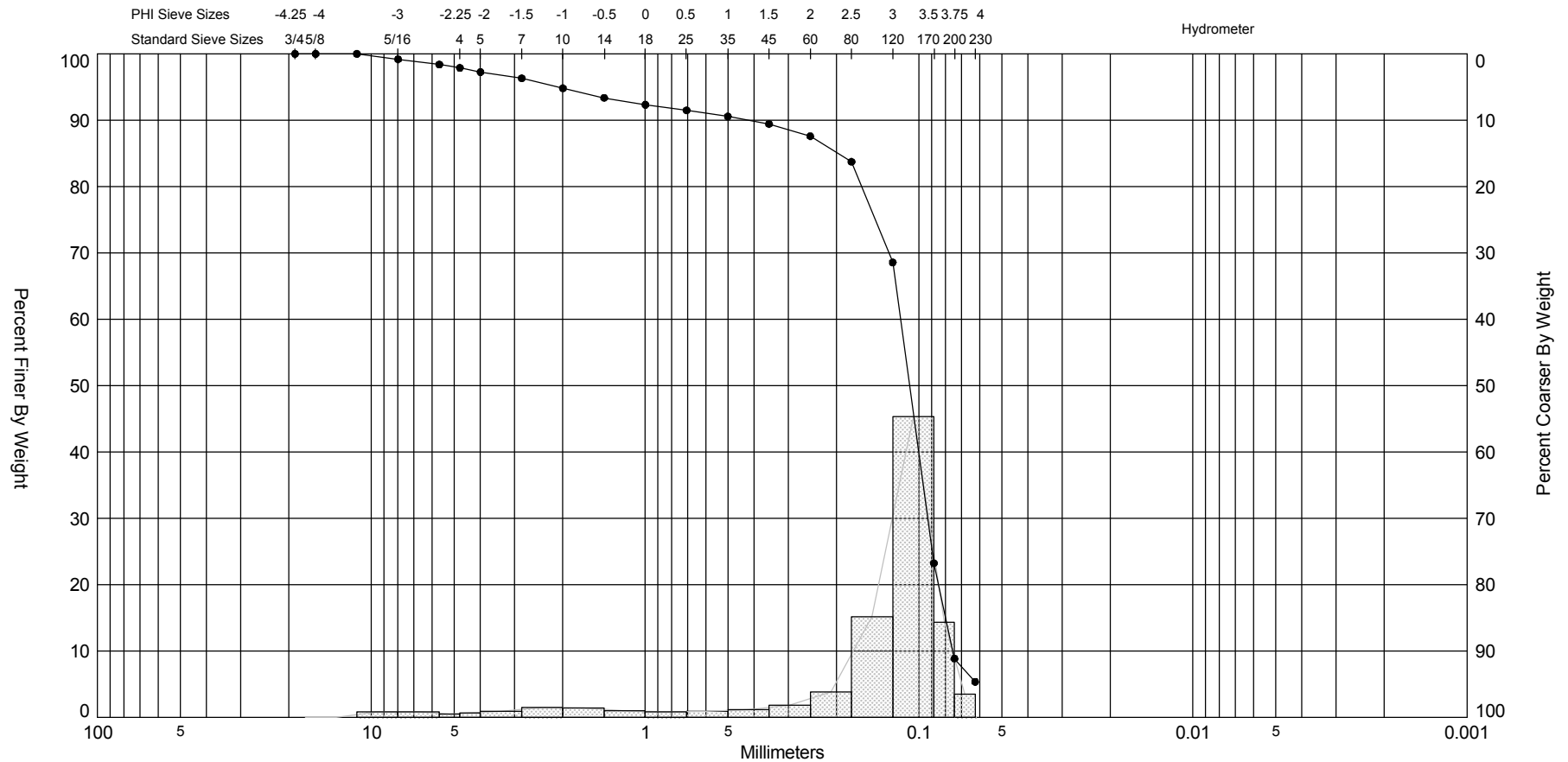
SIEVE ANALYSIS ST LUCIE VC.GPJ FL DEP ROSS.GDT 6/28/06




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-06-33 #1	—●—	-36.8	SW	#200 - 3.09 #230 - 2.41			1.21	0.71	-1.3	4.35	1.96	Project Name:	St. Lucie Vibracores
Comments:												Analysis Date:	06-16-06
Depths and elevations based on measured values												Analyzed By:	RS
						Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116						Easting (X, ft):	913,686
												Northing (Y, ft):	1,082,426
												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-06-33 #2	—●—	-39.3	SW-SM	#200 - 8.87 #230 - 5.36			3.2	2.71	-2.57	8.98	1.43	Project Name:	St. Lucie Vibracores
Comments:												Analysis Date:	06-16-06
Depths and elevations based on measured values												Analyzed By:	RS
						Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116						Easting (X, ft):	913,686
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