


<b>Granularmetric Report</b> Depths and elevations based on measured values				 <b>Coastal Planning &amp; Engineering</b> 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-06-15 #1							
Analysis Date: 05-30-06							
Analyzed By: JL							
Easting (ft): <b>930,767</b>		Northing (ft): <b>1,076,349</b>		Coordinate System: <b>Florida State Plane East</b>		Elevation (ft): <b>-37.8 NAVD 88</b>	
USCS: <b>SW</b>		Munsell: Wet - 2.5Y-4/2 Dry - 2.5Y-5/2 Washed - 2.5Y-5/2		Comments:			
Dry Weight (g): <b>83.10</b>	Wash Weight (g): <b>82.22</b>	Pan Retained (g): <b>0.01</b>	Sieve Loss (%): <b>0.08</b>	Fines (%): <b>#200 - 1.18</b> <b>#230 - 1.16</b>	Organics (%):	Carbonates (%):	Shell Hash (%): <b>3</b>
<b>Sieve Number</b>	<b>Sieve Size (Phi)</b>	<b>Sieve Size (Millimeters)</b>	<b>Grams Retained</b>	<b>% Weight Retained</b>	<b>Cum. Grams Retained</b>	<b>C. % Weight Retained</b>	
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	0.50	0.60	0.50	0.60	
3.5	-2.50	5.66	0.29	0.35	0.79	0.95	
4	-2.25	4.76	0.34	0.41	1.13	1.36	
5	-2.00	4.00	0.23	0.28	1.36	1.64	
7	-1.50	2.83	0.99	1.19	2.35	2.83	
10	-1.00	2.00	1.25	1.50	3.60	4.33	
14	-0.50	1.41	2.51	3.02	6.11	7.35	
18	0.00	1.00	4.45	5.35	10.56	12.70	
25	0.50	0.71	10.36	12.47	20.92	25.17	
35	1.00	0.50	20.89	25.14	41.81	50.31	
45	1.50	0.35	22.03	26.51	63.84	76.82	
60	2.00	0.25	13.99	16.84	77.83	93.66	
80	2.50	0.18	3.12	3.75	80.95	97.41	
120	3.00	0.13	0.82	0.99	81.77	98.40	
170	3.50	0.09	0.30	0.36	82.07	98.76	
200	3.75	0.07	0.05	0.06	82.12	98.82	
230	4.00	0.06	0.02	0.02	82.14	98.84	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.18	1.71	1.47	0.99	0.49	0.13	-0.89	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.86	0.55	0.94	-1.25	6.19		

# 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-06-15 #2

Analysis Date: 06-09-06

Analyzed By: DA

Easting (ft):

930,767

Northing (ft):

1,076,349

Coordinate System:

Florida State Plane East

Elevation (ft):

-38.5 NAVD 88

USCS:

SW

Munsell:

Wet - 2.5Y-5/2

Dry - 2.5Y-5/2

Washed - 2.5Y-5/2

Comments:

Dry Weight (g):

89.26

Wash Weight (g):

87.95

Pan Retained (g):

0.01

Sieve Loss (%):

0.24

Fines (%):

#200 - 1.73

#230 - 1.72

Organics (%):

Carbonates (%):

Shell Hash (%):

12

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

0.50

0.56

0.50

0.56

7/16"

-3.50

11.31

1.83

2.05

2.33

2.61

5/16"

-3.00

8.00

1.01

1.13

3.34

3.74

3.5

-2.50

5.66

1.85

2.07

5.19

5.81

4

-2.25

4.76

0.76

0.85

5.95

6.66

5

-2.00

4.00

1.52

1.70

7.47

8.36

7

-1.50

2.83

3.33

3.73

10.80

12.09

10

-1.00

2.00

5.94

6.65

16.74

18.74

14

-0.50

1.41

8.20

9.19

24.94

27.93

18

0.00

1.00

9.24

10.35

34.18

38.28

25

0.50

0.71

14.35

16.08

48.53

54.36

35

1.00

0.50

16.26

18.22

64.79

72.58

45

1.50

0.35

13.35

14.96

78.14

87.54

60

2.00

0.25

7.48

8.38

85.62

95.92

80

2.50

0.18

1.66

1.86

87.28

97.78

120

3.00

0.13

0.30

0.34

87.58

98.12

170

3.50

0.09

0.10

0.11

87.68

98.23

200

3.75

0.07

0.04

0.04

87.72

98.27

230

4.00

0.06

0.01

0.01

87.73

98.28

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

1.95

1.38

1.08

0.36

-0.66

-1.21

-2.70

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

0.08

0.95

1.35

-0.9

3.65

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-06-15 #3

Analysis Date: 06-09-06

Analyzed By: JG

Easting (ft):

930,767

Northing (ft):

1,076,349

Coordinate System:

Florida State Plane East

Elevation (ft):

-40.8 NAVD 88

USCS:

SW

Munsell:

Wet - 2.5Y-4/2

Dry - 2.5Y-5/2

Washed - 2.5Y-6/2

Comments:

Dry Weight (g):

88.24

Wash Weight (g):

86.71

Pan Retained (g):

0.03

Sieve Loss (%):

0.02

Fines (%):

#200 - 1.84  
#230 - 1.79

Organics (%):

Carbonates (%):

Shell Hash (%):

8

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

0.93

1.05

0.93

1.05

7/16"

-3.50

11.31

2.23

2.53

3.16

3.58

5/16"

-3.00

8.00

0.55

0.62

3.71

4.20

3.5

-2.50

5.66

1.12

1.27

4.83

5.47

4

-2.25

4.76

0.59

0.67

5.42

6.14

5

-2.00

4.00

0.77

0.87

6.19

7.01

7

-1.50

2.83

1.12

1.27

7.31

8.28

10

-1.00

2.00

2.21

2.50

9.52

10.78

14

-0.50

1.41

2.99

3.39

12.51

14.17

18

0.00

1.00

4.67

5.29

17.18

19.46

25

0.50

0.71

10.47

11.87

27.65

31.33

35

1.00

0.50

18.18

20.60

45.83

51.93

45

1.50

0.35

20.09

22.77

65.92

74.70

60

2.00

0.25

15.09

17.10

81.01

91.80

80

2.50

0.18

4.43

5.02

85.44

96.82

120

3.00

0.13

0.87

0.99

86.31

97.81

170

3.50

0.09

0.22

0.25

86.53

98.06

200

3.75

0.07

0.09

0.10

86.62

98.16

230

4.00

0.06

0.04

0.05

86.66

98.21

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.32

1.77

1.51

0.95

0.23

-0.33

-2.69

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

0.61


0.66

1.38

-1.59

5.67

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

<b>Granularmetric Report</b> 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-06-15 #4							
Analysis Date: 05-30-06							
Analyzed By: JL							
Easting (ft): <b>930,767</b>		Northing (ft): <b>1,076,349</b>		Coordinate System: <b>Florida State Plane East</b>		Elevation (ft): <b>-43.8 NAVD 88</b>	
USCS: <b>SW</b>		Munsell: Wet - 2.5Y-4/2 Dry - 2.5Y-5/2 Washed - 2.Y-5/2		Comments:			
Dry Weight (g): <b>85.82</b>	Wash Weight (g): <b>84.37</b>	Pan Retained (g): <b>0.02</b>	Sieve Loss (%): <b>0.07</b>	Fines (%): <b>#200 - 1.86</b> <b>#230 - 1.79</b>	Organics (%):	Carbonates (%):	Shell Hash (%): <b>5</b>
<b>Sieve Number</b>	<b>Sieve Size (Phi)</b>	<b>Sieve Size (Millimeters)</b>	<b>Grams Retained</b>	<b>% Weight Retained</b>	<b>Cum. Grams Retained</b>	<b>C. % Weight Retained</b>	
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	0.43	0.50	0.43	0.50	
5/16"	-3.00	8.00	0.34	0.40	0.77	0.90	
3.5	-2.50	5.66	0.59	0.69	1.36	1.59	
4	-2.25	4.76	0.84	0.98	2.20	2.57	
5	-2.00	4.00	0.60	0.70	2.80	3.27	
7	-1.50	2.83	1.89	2.20	4.69	5.47	
10	-1.00	2.00	2.74	3.19	7.43	8.66	
14	-0.50	1.41	5.33	6.21	12.76	14.87	
18	0.00	1.00	5.96	6.94	18.72	21.81	
25	0.50	0.71	11.64	13.56	30.36	35.37	
35	1.00	0.50	17.04	19.86	47.40	55.23	
45	1.50	0.35	17.74	20.67	65.14	75.90	
60	2.00	0.25	12.67	14.76	77.81	90.66	
80	2.50	0.18	4.11	4.79	81.92	95.45	
120	3.00	0.13	1.95	2.27	83.87	97.72	
170	3.50	0.09	0.20	0.23	84.07	97.95	
200	3.75	0.07	0.16	0.19	84.23	98.14	
230	4.00	0.06	0.06	0.07	84.29	98.21	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.45	1.77	1.48	0.87	0.12	-0.42	-1.61	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.67	0.63	1.17	-0.91	4.28		

# 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-06-15 #5

Analysis Date: 06-09-06

Analyzed By: DA

Easting (ft):

930,767

Northing (ft):

1,076,349

Coordinate System:

Florida State Plane East

Elevation (ft):

-46.8 NAVD 88

USCS:

SW

Munsell:

Wet - 2.5Y-4/2

Dry - 2.5Y-5/2

Washed - 2.5Y-5/2

Comments:

Dry Weight (g):

84.97

Wash Weight (g):

83.61

Pan Retained (g):

0.00

Sieve Loss (%):

0.06

Fines (%):

#200 - 1.68

#230 - 1.67

Organics (%):

Carbonates (%):

Shell Hash (%):

3

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

0.00

0.00

0.00

0.00

3.5

-2.50

5.66

0.75

0.88

0.75

0.88

4

-2.25

4.76

0.11

0.13

0.86

1.01

5

-2.00

4.00

0.24

0.28

1.10

1.29

7

-1.50

2.83

1.09

1.28

2.19

2.57

10

-1.00

2.00

2.08

2.45

4.27

5.02

14

-0.50

1.41

3.34

3.93

7.61

8.95

18

0.00

1.00

4.56

5.37

12.17

14.32

25

0.50

0.71

8.83

10.39

21.00

24.71

35

1.00

0.50

17.75

20.89

38.75

45.60

45

1.50

0.35

22.47

26.44

61.22

72.04

60

2.00

0.25

18.27

21.50

79.49

93.54

80

2.50

0.18

3.26

3.84

82.75

97.38

120

3.00

0.13

0.61

0.72

83.36

98.10

170

3.50

0.09

0.17

0.20

83.53

98.30

200

3.75

0.07

0.02

0.02

83.55

98.32

230

4.00

0.06

0.01

0.01

83.56

98.33

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.19

1.78

1.57

1.08

0.51

0.08

-1.00

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

0.89


0.54


0.95

-1.17

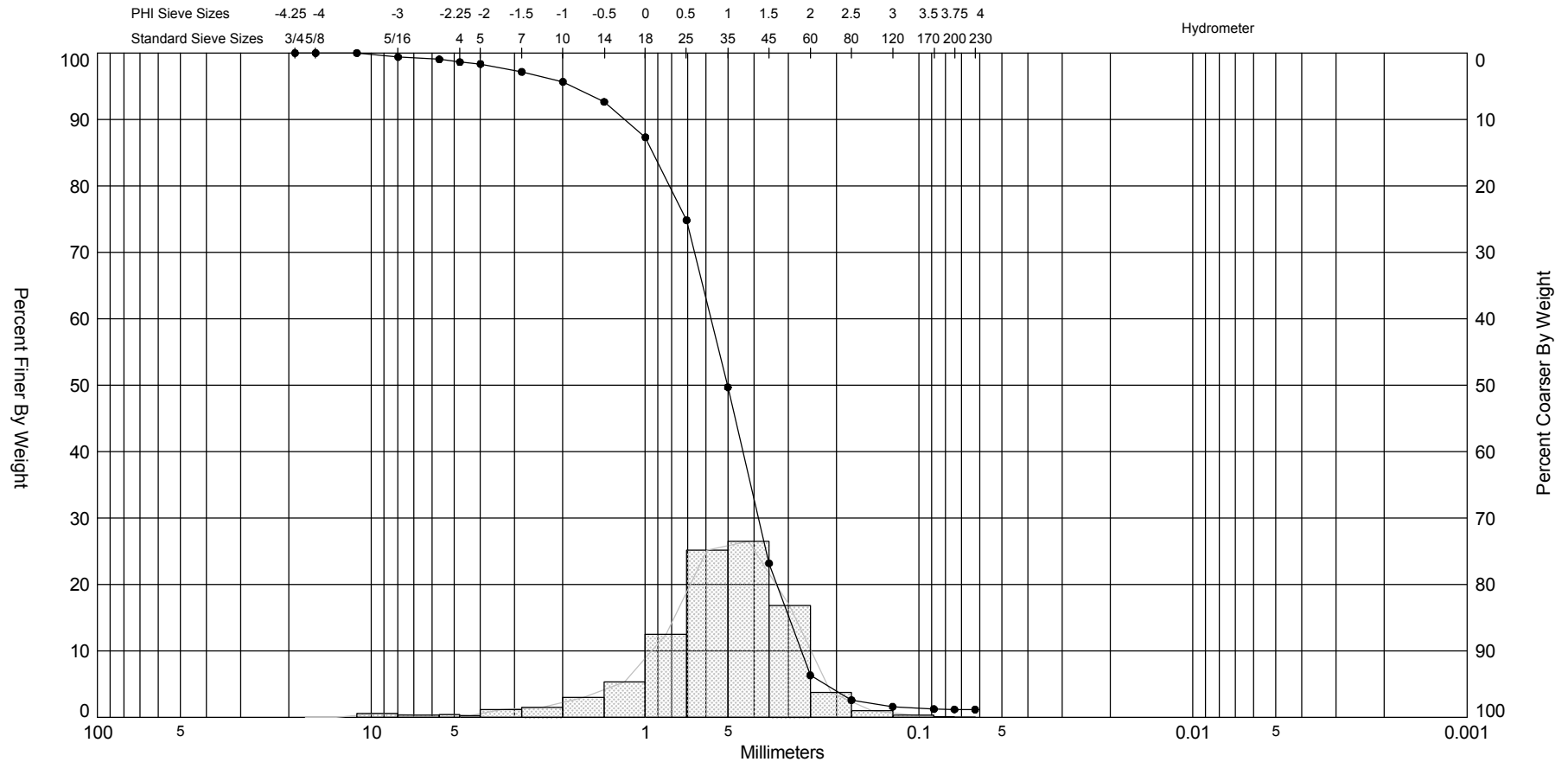
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GRANULARMETRIC REPORT ST LUCIE VC.GPJ FL DEP ROSS.GDT 6/28/06


<b>Granularmetric Report</b> Depths and elevations based on measured values				 <b>Coastal Planning &amp; Engineering</b> 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-06-15 #6							
Analysis Date: 05-31-06							
Analyzed By: JF							
Easting (ft): <b>930,767</b>		Northing (ft): <b>1,076,349</b>		Coordinate System: <b>Florida State Plane East</b>		Elevation (ft): <b>-49.8 NAVD 88</b>	
USCS: <b>SW</b>		Munsell: Wet - 2.5Y-4/2 Dry - 5Y-6/1 Washed - 2.5Y-6/1		Comments:			
Dry Weight (g): <b>84.71</b>	Wash Weight (g): <b>82.65</b>	Pan Retained (g): <b>0.07</b>	Sieve Loss (%): <b>0.01</b>	Fines (%): <b>#200 - 2.74</b> <b>#230 - 2.53</b>	Organics (%):	Carbonates (%):	Shell Hash (%): <b>5</b>
<b>Sieve Number</b>	<b>Sieve Size (Phi)</b>	<b>Sieve Size (Millimeters)</b>	<b>Grams Retained</b>	<b>% Weight Retained</b>	<b>Cum. Grams Retained</b>	<b>C. % Weight Retained</b>	
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	0.94	1.11	0.94	1.11	
5/16"	-3.00	8.00	0.69	0.81	1.63	1.92	
3.5	-2.50	5.66	0.46	0.54	2.09	2.46	
4	-2.25	4.76	0.50	0.59	2.59	3.05	
5	-2.00	4.00	0.61	0.72	3.20	3.77	
7	-1.50	2.83	1.17	1.38	4.37	5.15	
10	-1.00	2.00	1.67	1.97	6.04	7.12	
14	-0.50	1.41	2.84	3.35	8.88	10.47	
18	0.00	1.00	4.30	5.08	13.18	15.55	
25	0.50	0.71	8.23	9.72	21.41	25.27	
35	1.00	0.50	14.92	17.61	36.33	42.88	
45	1.50	0.35	18.82	22.22	55.15	65.10	
60	2.00	0.25	15.17	17.91	70.32	83.01	
80	2.50	0.18	7.23	8.54	77.55	91.55	
120	3.00	0.13	3.25	3.84	80.80	95.39	
170	3.50	0.09	1.29	1.52	82.09	96.91	
200	3.75	0.07	0.30	0.35	82.39	97.26	
230	4.00	0.06	0.18	0.21	82.57	97.47	
<b>Phi 5</b>	<b>Phi 16</b>	<b>Phi 25</b>	<b>Phi 50</b>	<b>Phi 75</b>	<b>Phi 84</b>	<b>Phi 95</b>	
2.95	2.06	1.78	1.16	0.49	0.02	-1.55	
<b>Moment</b>	<b>Mean Phi</b>	<b>Mean mm</b>	<b>Sorting</b>	<b>Skewness</b>	<b>Kurtosis</b>		
<b>Statistics</b>	0.94	0.52	1.26	-1.22	5.45		

<b>Granularmetric Report</b> 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-06-15 #7							
Analysis Date: 06-12-06							
Analyzed By: JF							
Easting (ft): <b>930,767</b>		Northing (ft): <b>1,076,349</b>		Coordinate System: <b>Florida State Plane East</b>		Elevation (ft): <b>-52.1 NAVD 88</b>	
USCS: <b>SP</b>		Munsell: Wet - 2.5Y-4/1 Dry - 5Y-5/1 Washed - 5Y-5/1		Comments:			
Dry Weight (g): <b>89.38</b>	Wash Weight (g): <b>86.48</b>	Pan Retained (g): <b>0.04</b>	Sieve Loss (%): <b>0.00</b>	Fines (%): <b>#200 - 3.62</b> <b>#230 - 3.30</b>	Organics (%):	Carbonates (%):	Shell Hash (%): <b>1</b>
<b>Sieve Number</b>	<b>Sieve Size (Phi)</b>	<b>Sieve Size (Millimeters)</b>	<b>Grams Retained</b>	<b>% Weight Retained</b>	<b>Cum. Grams Retained</b>	<b>C. % Weight Retained</b>	
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	0.00	0.00	0.00	0.00	
3.5	-2.50	5.66	0.00	0.00	0.00	0.00	
4	-2.25	4.76	0.07	0.08	0.07	0.08	
5	-2.00	4.00	0.06	0.07	0.13	0.15	
7	-1.50	2.83	0.37	0.41	0.50	0.56	
10	-1.00	2.00	0.70	0.78	1.20	1.34	
14	-0.50	1.41	1.14	1.28	2.34	2.62	
18	0.00	1.00	1.73	1.94	4.07	4.56	
25	0.50	0.71	3.91	4.37	7.98	8.93	
35	1.00	0.50	8.02	8.97	16.00	17.90	
45	1.50	0.35	16.29	18.23	32.29	36.13	
60	2.00	0.25	27.14	30.36	59.43	66.49	
80	2.50	0.18	19.31	21.60	78.74	88.09	
120	3.00	0.13	5.15	5.76	83.89	93.85	
170	3.50	0.09	1.70	1.90	85.59	95.75	
200	3.75	0.07	0.56	0.63	86.15	96.38	
230	4.00	0.06	0.29	0.32	86.44	96.70	
<b>Phi 5</b>	<b>Phi 16</b>	<b>Phi 25</b>	<b>Phi 50</b>	<b>Phi 75</b>	<b>Phi 84</b>	<b>Phi 95</b>	
3.30	2.41	2.20	1.73	1.19	0.89	0.05	
<b>Moment</b>	<b>Mean Phi</b>	<b>Mean mm</b>	<b>Sorting</b>	<b>Skewness</b>	<b>Kurtosis</b>		
<b>Statistics</b>	1.6	0.33	0.85	-0.91	5.15		

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

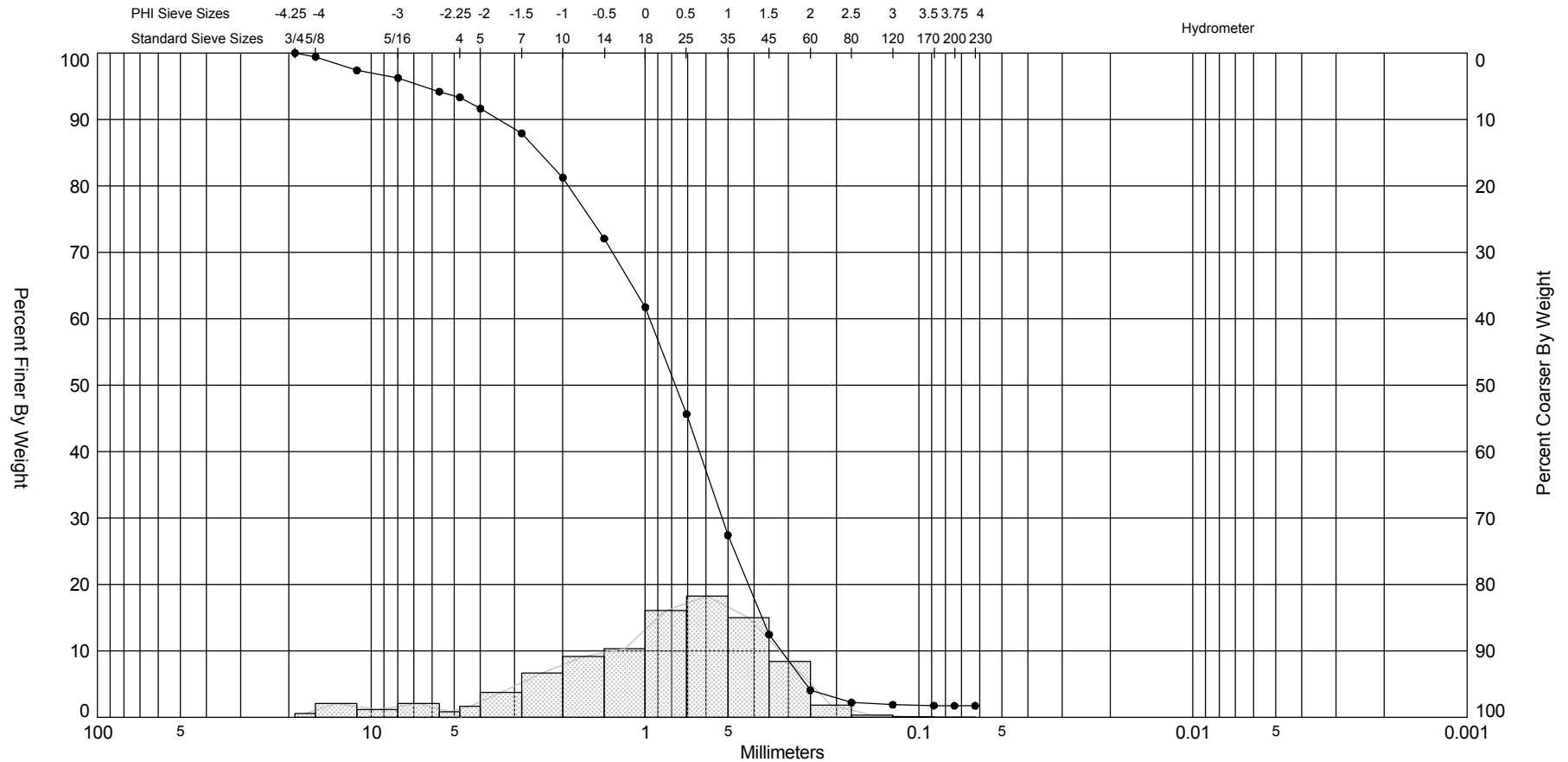


Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	


Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
SLVC-06-15 #1	—●—	-37.8	SW	#200 - 1.18 #230 - 1.16			0.99	0.86	-1.25	6.19	0.94	Project Name:	St. Lucie Vibracores
Comments:												Analysis Date:	05-30-06
Depths and elevations based on measured values												Analyzed By:	JL
						Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116						Easting (X, ft):	930,767
												Northing (Y, ft):	1,076,349
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88



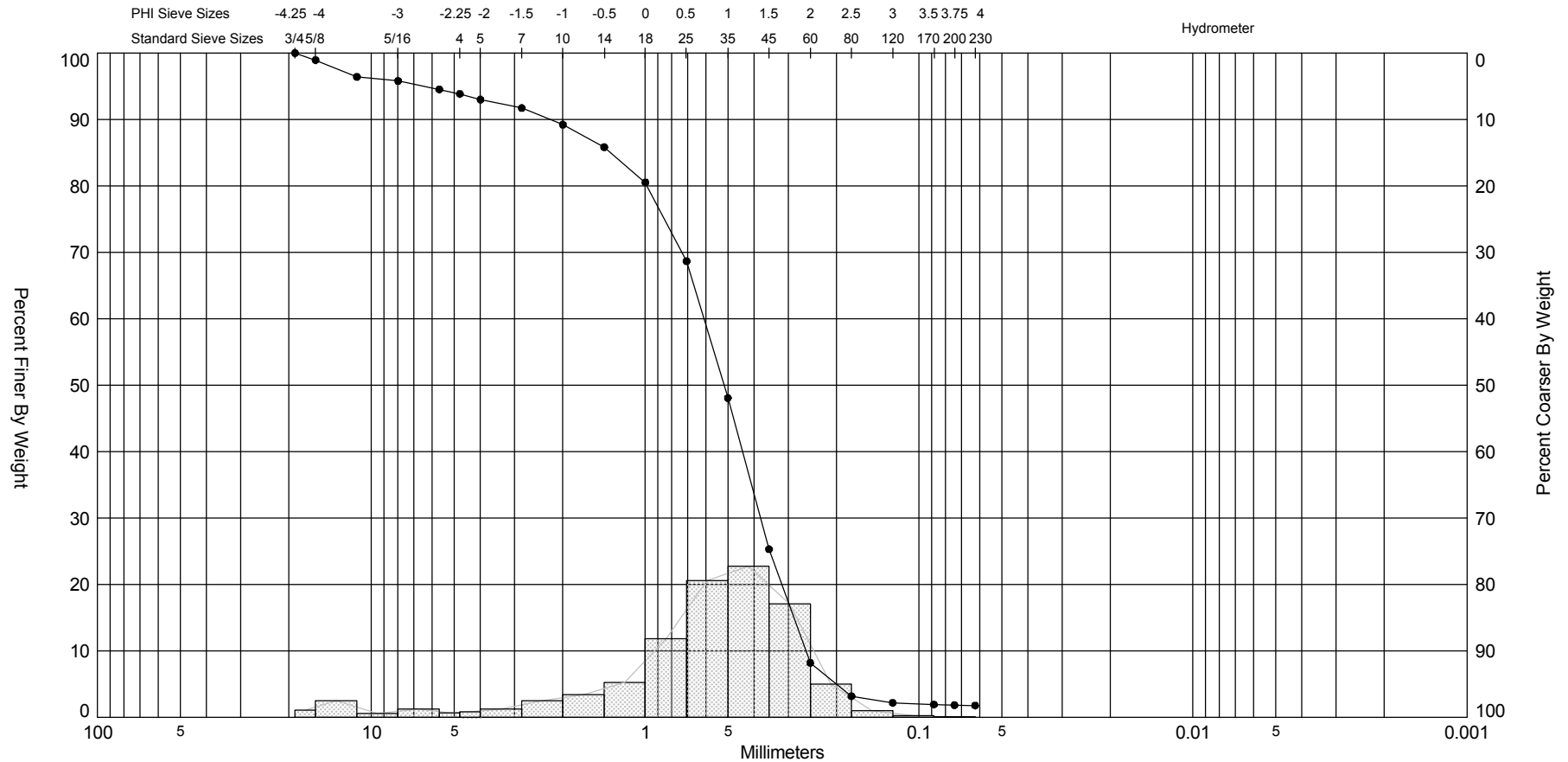
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Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
SLVC-06-15 #2	—●—	-38.5	SW	#200 - 1.73 #230 - 1.72			0.36	0.08	-0.9	3.65	1.35	Project Name:	St. Lucie Vibracores
Comments:												Analysis Date:	06-09-06
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):	930,767
												Northing (Y, ft):	1,076,349
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88

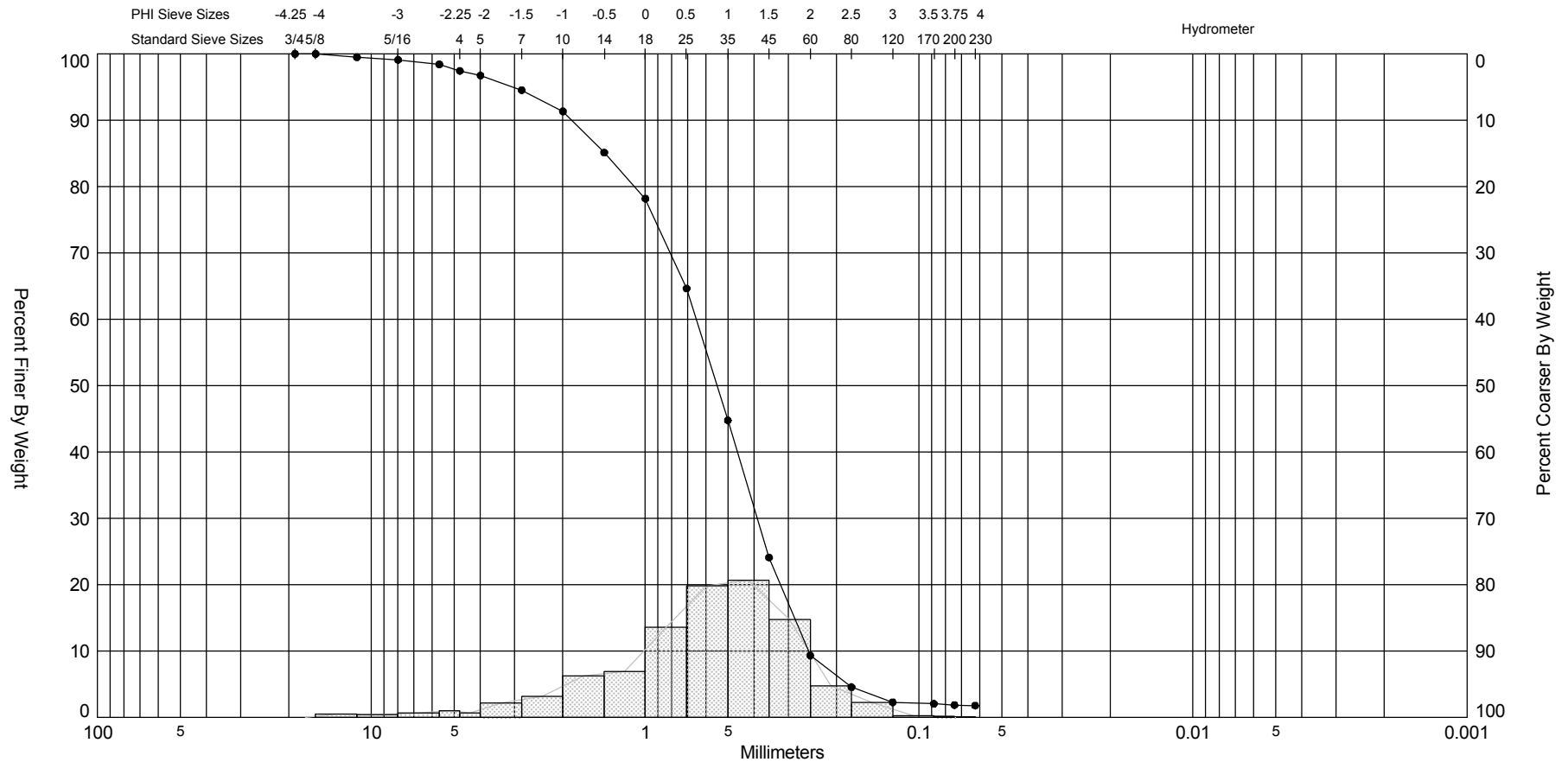
SIEVE ANALYSIS ST LUCIE VC.GPJ FL DEP ROSS.GDT 6/28/06




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-06-15 #3	—●—	-40.8	SW	#200 - 1.84 #230 - 1.79			0.95	0.61	-1.59	5.67	1.38	Project Name:	St. Lucie Vibracores
Comments:												Analysis Date:	06-09-06
Depths and elevations based on measured values												Analyzed By:	JG
						Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116						Easting (X, ft):	930,767
												Northing (Y, ft):	1,076,349
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88

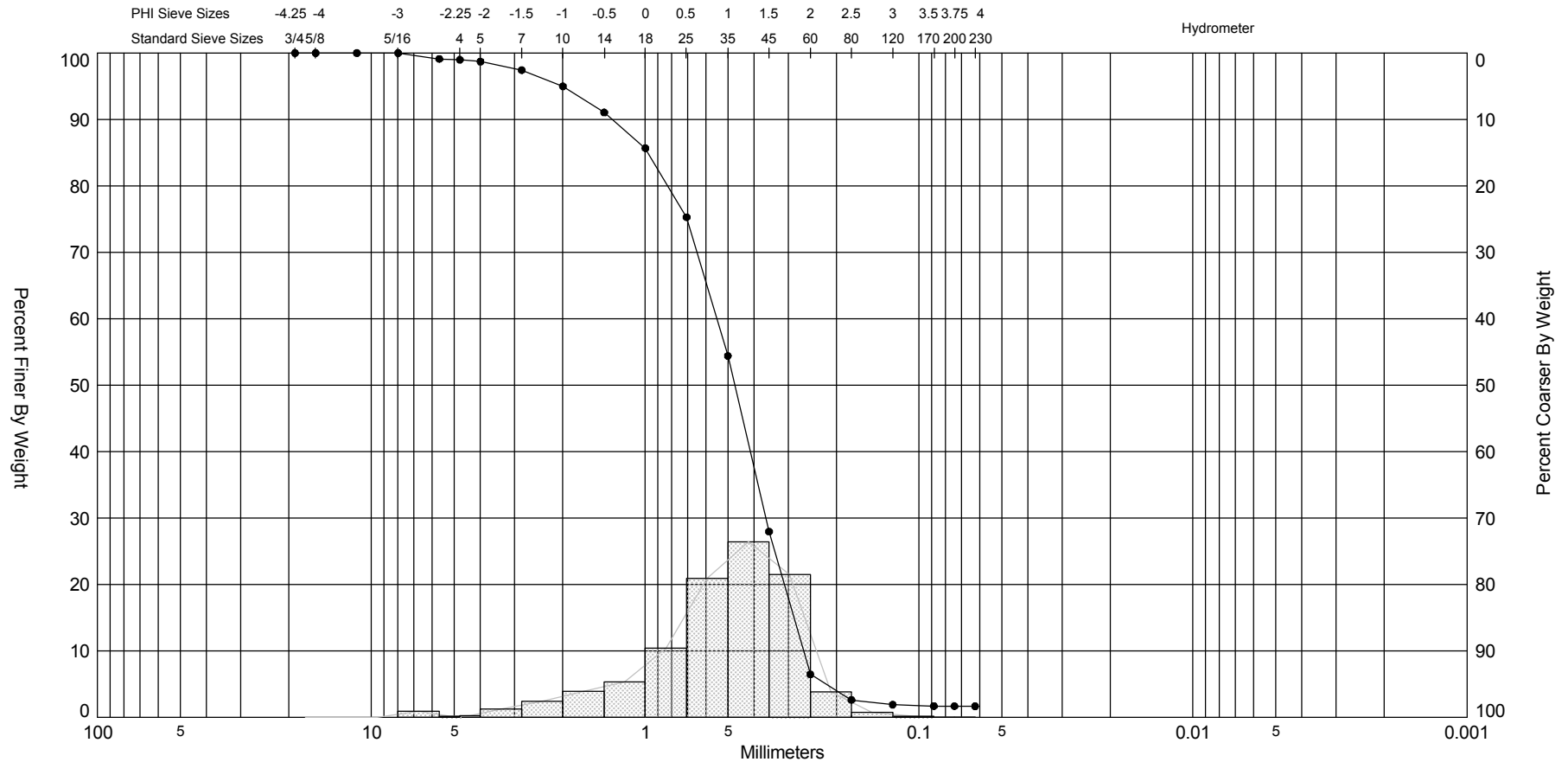
SIEVE ANALYSIS ST LUCIE VC.GPJ FL DEP ROSS.GDT 6/28/06




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-06-15 #4	—●—	-43.8	SW	#200 - 1.86 #230 - 1.79			0.87	0.67	-0.91	4.28	1.17	Project Name:	St. Lucie Vibracores
Comments:												Analysis Date:	05-30-06
Depths and elevations based on measured values												Analyzed By:	JL
						Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116						Easting (X, ft):	930,767
												Northing (Y, ft):	1,076,349
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88

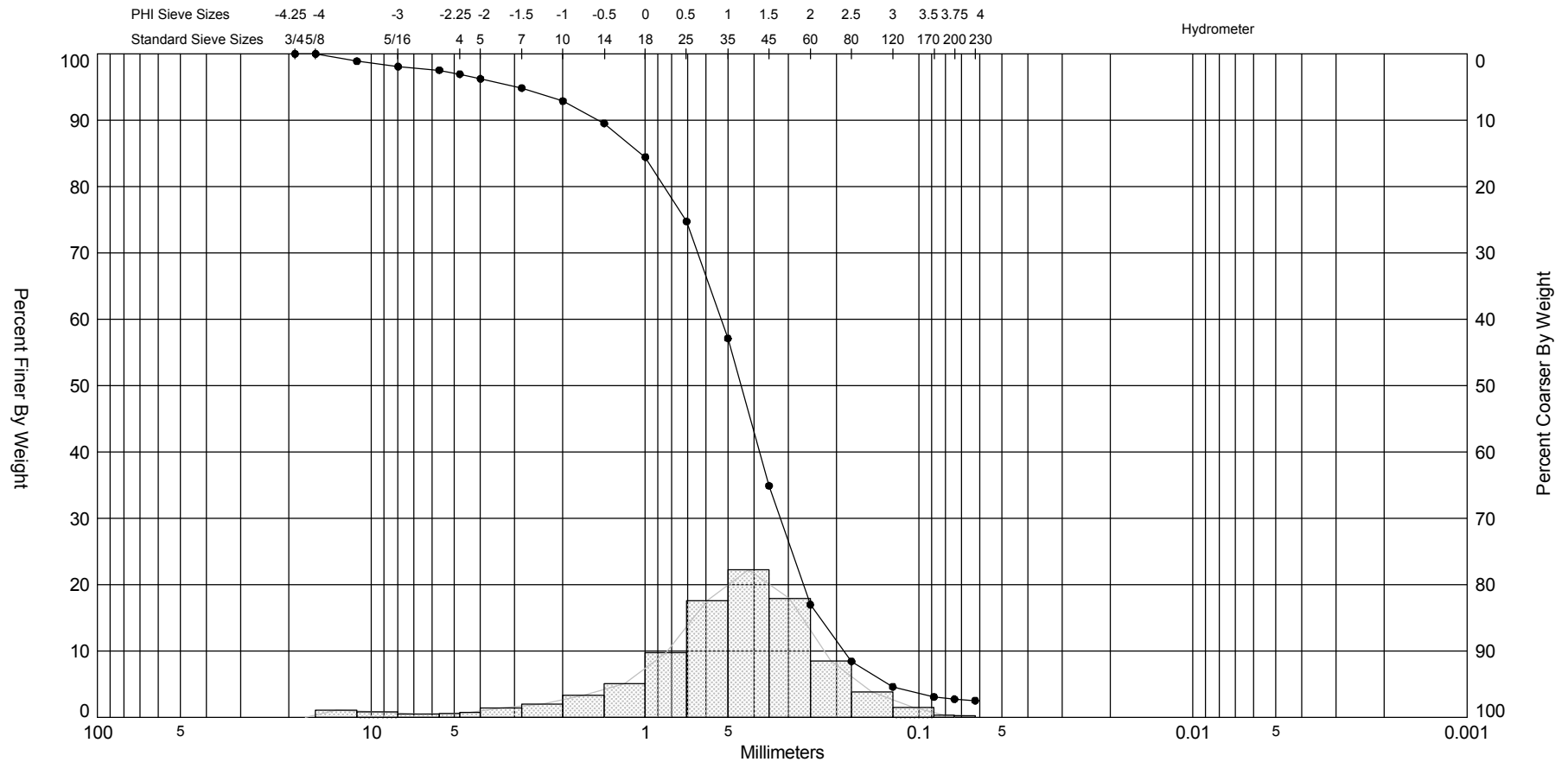
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Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
SLVC-06-15 #5	—●—	-46.8	SW	#200 - 1.68 #230 - 1.67			1.08	0.89	-1.17	4.89	0.95	Project Name:	St. Lucie Vibracores
Comments:												Analysis Date:	06-09-06
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):	930,767
												Northing (Y, ft):	1,076,349
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88

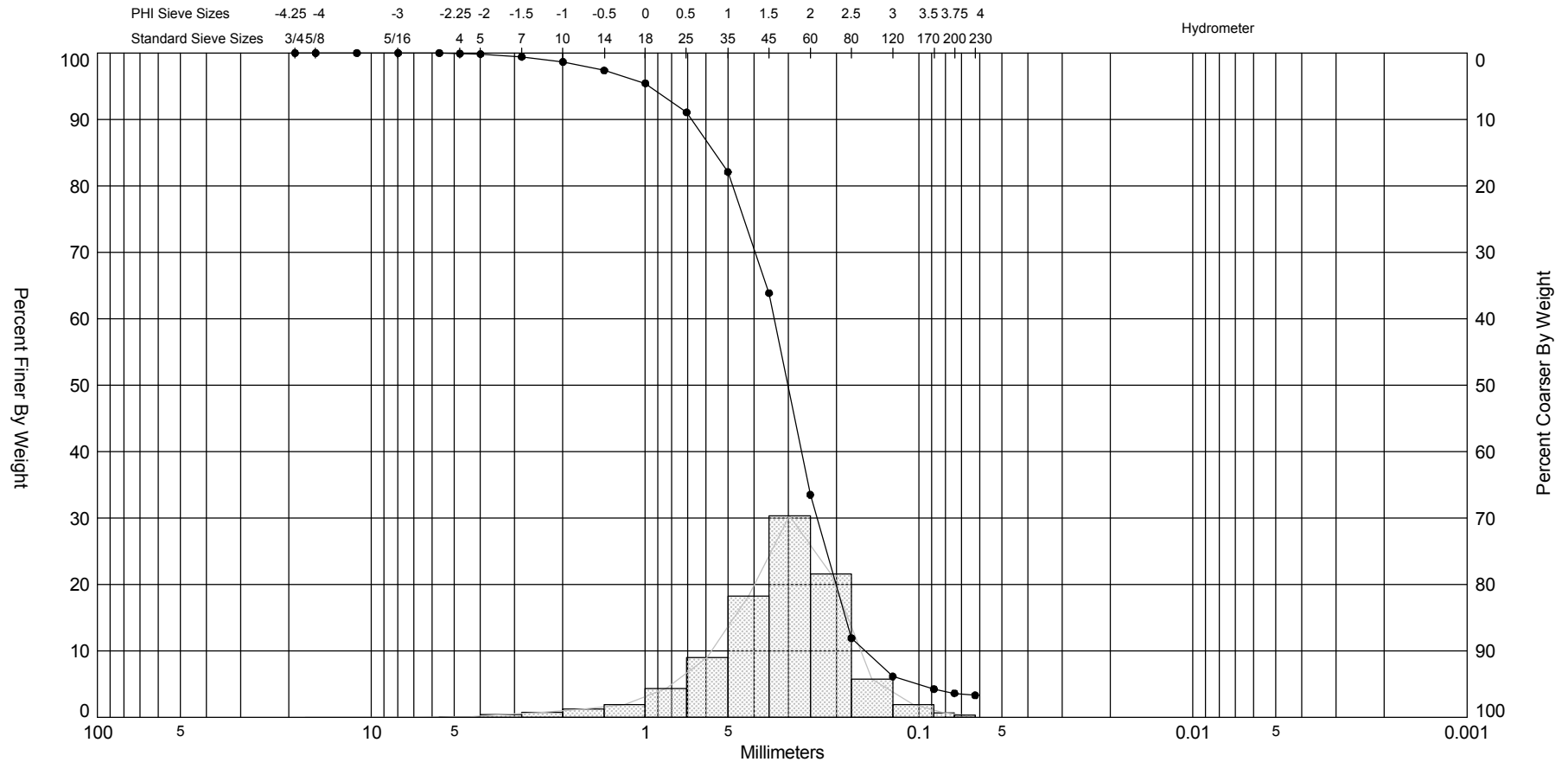
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Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
SLVC-06-15 #6	—●—	-49.8	SW	#200 - 2.74 #230 - 2.53			1.16	0.94	-1.22	5.45	1.26	Project Name:	St. Lucie Vibracores
Comments:												Analysis Date:	05-31-06
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):	930,767
												Northing (Y, ft):	1,076,349
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88

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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-06-15 #7	—●—	-52.1	SP	#200 - 3.62 #230 - 3.30			1.73	1.6	-0.91	5.15	0.85	Project Name:	St. Lucie Vibracores
Comments:												Analysis Date:	06-12-06
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):	930,767
												Northing (Y, ft):	1,076,349
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88