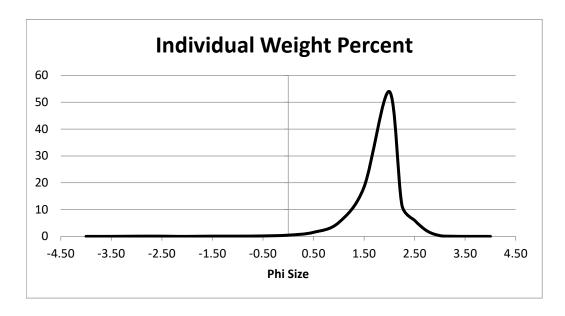
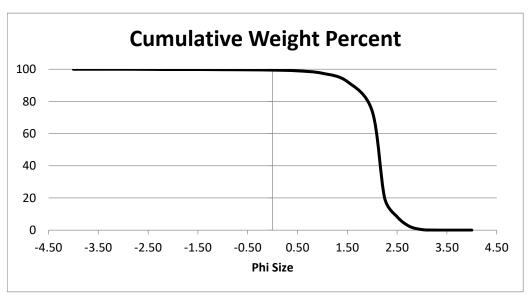
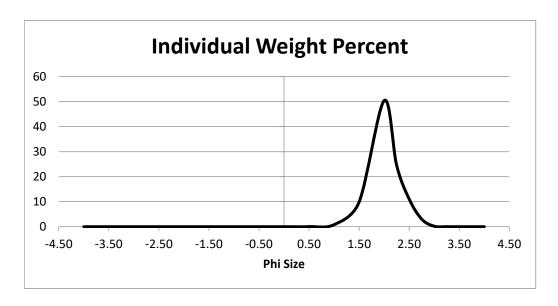
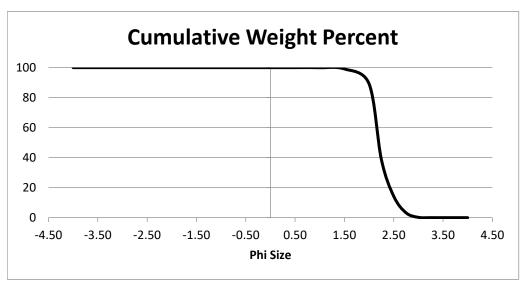
Granulometric Analysis Florida Atlantic University **Sediment Data Sheet** Department of Geosciences Project: Coastal Studies Laboratory Sediment Analysis Sample: R215 Dune 7/28/17 777 Glades Road Boca Raton, FL 33431 Analysis Date: $\overline{2/1/2018}$ 561-297-4669 Processed By: AB Comments: Sieve No. Sieve Size (φ) Sieve Size (mm) Weight (g) % Weight Cum. Weight % 3/4 -4.25 19.03 0 0.00 100.00 -4.00 0 5/8 16.00 0.00 100.00 $11.3\overline{1}$ 11/16 -3.50 0 0.00 100.00 5/16 -3.00 8.00 0.26 0.08 100.00 3.5 -2.505.66 0.27 99.92 0.08 99.84 4 -2.254.76 0.07 0.02 5 0.00 99.82 -2.004.00 7 -1.50 2.83 0.31 0.09 99.82 10 -1.002.00 0.31 0.09 99.73 14 -0.501.41 0.59 0.18 99.64 18 1.55 0.46 99.46 0.00 1.00 25 0.50 0.71 5.06 1.51 99.00 35 1.00 5.17 97.48 0.50 17.3 45 1.50 0.35 61.53 18.40 92.31 60 2.00 0.25 180.62 54.01 73.91 70 2.25 0.21 38.71 11.58 19.90 80 2.50 0.18 20 5.98 8.32 100 2.75 0.15 6.66 1.99 2.34 120 0.99 0.30 0.35 3.00 0.13 140 3.25 0.11 0.17 0.05 0.05 170 3.50 0.09 0 0.00 0.00 0 200 3.75 0.07 0.00 0.00 230 4.00 0 0.00 0.06 0.00 Pan >4.00 < 0.06 0 0.00 0.00 Pre-Sieve Weight (g): 331.15 Notes: Post-Sieve Weight (g): 334.40 Sieve Loss (%): -0.98 Moment Mean (φ) Mean (mm) Sorting (φ) Skewness (φ) Kurtosis (φ) Method **Statistics** 1.66 0.32 0.52 -2.30 17.24 Megascopic Description Size Class Distribution Carbonate Content Gravel (%): % Carbonate: 44 (Munsell Color) 99 Organic Content Wet/moist color: Sand (%): Mud (%): 0 % Organics: NA Dry color: GLEY17N



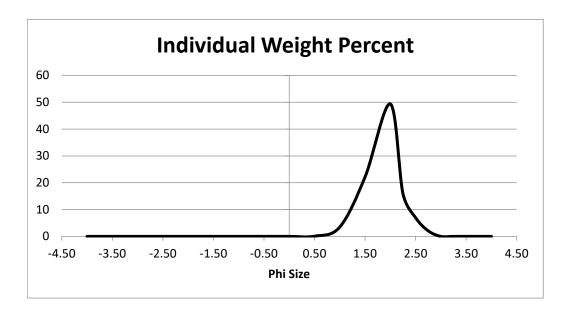


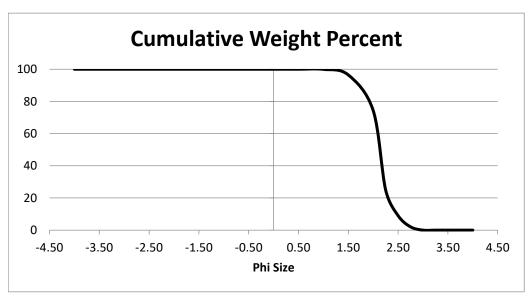
	Granulome Sediment	Florida Atlantic University Department of Geosciences			
Project:	Boca Nourishmen	Coastal Studies Laboratory 777 Glades Road Boca Raton, FL 33431			
Sample:	R215 3/1/17 SL				
Date:	7/20/2017	561-297-4669			
Processed By:				301 2)	, 1005
Comments:	15				
Sieve No.	Sieve Size (φ)	Sieve Size (mm)	Weight (g)	% Weight	Cum. Weight
3/4	-4.25		0.00		10
5/8	-4.00	16.00		0.00	10
11/10	-3.50	11.31	0.00	0.00	10
5/10	-3.00	8.00	0.00	0.00	10
3.5	-2.50	5.66	0.00	0.00	10
4	-2.25	4.76	0.00	0.00	10
	-2.00	4.00	0.00	0.00	10
,	-1.50	2.83	0.00	0.00	10
10	-1.00	2.00	0.00	0.00	10
14	-0.50	1.41	0.00	0.00	10
18	0.00	1.00	0.00	0.00	10
25	0.50	0.71	0.11	0.04	10
35	1.00			0.82	9
45	1.50	0.35	24.46	9.88	9
60		0.25			8
70			60.68		3
80				11.06	1
100					
120		0.13		0.21	
140					
170					
200			0.00		
230					
Par	>4.00	< 0.06	0.00	0.00	
Pre-Sieve Wei	ght (g):	247.65	Notes:		
Post-Sieve We		247.52			
Sieve Loss (%	0 0	0.05			
Moment Method	Mean (φ)	Mean (mm)	Sorting (φ)	Skewness (φ)	Kurtosis (
Statistics	1.88	0.27	0.35	-0.20	
	s Distribution	Carbonate Content		Megascopic Description	
Gravel (%):	0	% Carbonate: 74		(Munsell Color)	
Sand (%):	100	Organic Content		Wet/moist color:	2.5Y
Mud (%):	0	% Organics:	NΔ	Dry color:	2.5Y



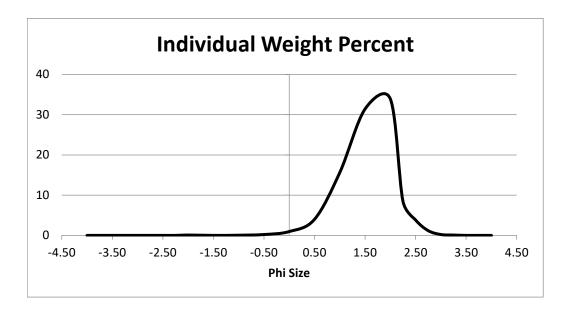


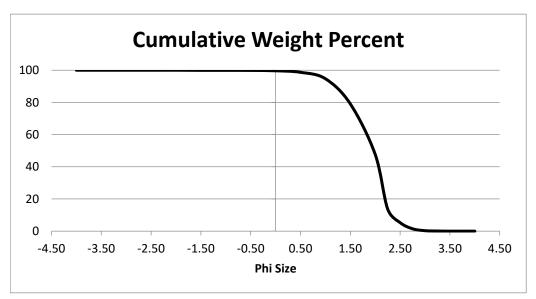
Granulometric Analysis Florida Atlantic University **Sediment Data Sheet** Department of Geosciences Project: **SURF** Coastal Studies Laboratory Sample: R216, dune toe, 6/8/16 777 Glades Road Boca Raton, FL 33431 Analysis Date: 7/16/2016 561-297-4669 Processed By: Maddy Comments: Sieve No. Sieve Size (φ) Sieve Size (mm) Weight (g) % Weight Cum. Weight % 3/4 -4.25 19.03 0.00 0.00 100.00 5/8 -4.0016.00 0.00 0.00 100.00 $11.3\overline{1}$ 11/16 -3.50 0.00 0.00 100.00 5/16 -3.00 8.00 0.00 0.00 100.00 3.5 -2.505.66 0.00 100.00 0.00 4 -2.254.76 0.00 0.00 100.00 5 0.00 -2.004.00 0.00 100.00 7 -1.50 2.83 0.00 100.00 0.00 10 -1.002.00 0.00 0.00 100.00 14 -0.501.41 0.00 0.00 100.00 18 0.00 0.00 100.00 0.00 1.00 25 0.50 0.71 0.10 0.08 100.00 35 4.40 3.48 99.92 1.00 0.50 45 1.50 0.35 28.00 22.15 96.44 74.29 60 2.00 0.25 62.40 49.37 70 2.25 0.21 20.10 15.90 24.92 80 2.50 0.18 8.80 6.96 9.02 2.60 100 2.75 0.15 2.06 2.06 120 3.00 0.13 0.00 0.00 0.00 140 3.25 0.11 0.00 0.00 0.00 170 3.50 0.00 0.09 0.00 0.00 200 3.75 0.07 0.00 0.00 0.00 230 4.00 0.00 0.06 0.00 0.00 Pan >4.00 < 0.06 0.00 0.00 0.00 126.40 Notes: Pre-Sieve Weight (g): Post-Sieve Weight (g): 126.40 Sieve Loss (%): 0.00 Moment Mean (φ) Mean (mm) Sorting (φ) Skewness (φ) Kurtosis (φ) Method **Statistics** 1.72 0.30 0.40 -0.23 3.12 Megascopic Description Size Class Distribution Carbonate Content Gravel (%): 0 % Carbonate: 57 (Munsell Color) 100 Organic Content Wet/moist color: Sand (%): 2.5Y 5/1 Mud (%): 0 % Organics: NA Dry color: 2.5Y 7/1



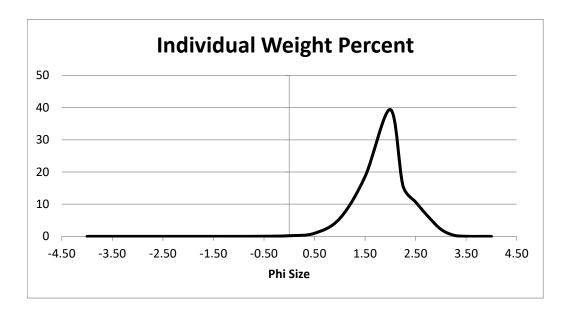


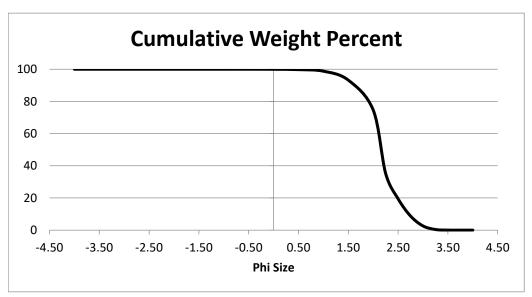
Granulometric Analysis Florida Atlantic University **Sediment Data Sheet** Department of Geosciences Project: **SURF** Coastal Studies Laboratory R216, midbeach, 6/8/16 Sample: 777 Glades Road Boca Raton, FL 33431 Analysis Date: 7/16/2016 561-297-4669 Processed By: Maddy Comments: Sieve No. Sieve Size (φ) Sieve Size (mm) Weight (g) % Weight Cum. Weight % 3/4 -4.25 19.03 0.00 0.00 100.00 5/8 -4.0016.00 0.00 0.00 100.00 $11.3\overline{1}$ 11/16 -3.50 0.00 0.00 100.00 5/16 -3.00 8.00 0.00 0.00 100.00 3.5 -2.505.66 0.00 100.00 0.00 4 -2.254.76 0.00 0.00 100.00 5 0.09 -2.004.00 0.20 100.00 7 -1.50 2.83 0.00 99.91 0.00 10 -1.002.00 0.10 0.04 99.91 14 -0.501.41 0.50 0.22 99.87 18 2.20 0.95 99.65 0.00 1.00 25 0.50 0.71 9.20 3.99 98.70 35 94.71 1.00 0.50 36.00 15.62 45 1.50 0.35 72.40 31.41 79.09 60 2.00 0.25 78.20 33.93 47.68 70 2.25 0.21 19.50 13.75 8.46 80 2.50 0.18 8.80 3.82 5.29 100 2.75 0.15 2.70 1.17 1.48 120 0.22 0.30 3.00 0.13 0.50 140 3.25 0.11 0.20 0.09 0.09 170 3.50 0.09 0.00 0.00 0.00 200 3.75 0.07 0.00 0.00 0.00 230 4.00 0.00 0.06 0.00 0.00 Pan >4.00 < 0.06 0.00 0.00 0.00 Pre-Sieve Weight (g): 232.00 Notes: Post-Sieve Weight (g): 230.50 Sieve Loss (%): 0.65 Moment Mean (φ) Mean (mm) Sorting (φ) Skewness (φ) Kurtosis (φ) Method **Statistics** 1.42 0.37 0.57 -0.66 4.83 Megascopic Description Size Class Distribution Carbonate Content Gravel (%): % Carbonate: 57 (Munsell Color) 99 Organic Content Wet/moist color: Sand (%): 2.5Y 5/2 Mud (%): NA Dry color: 2.5Y 7/2 0 % Organics:



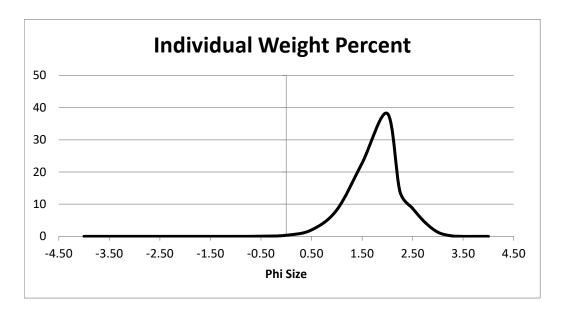


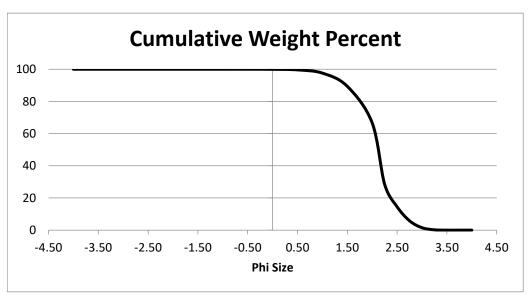
Granulometric Analysis Florida Atlantic University **Sediment Data Sheet** Department of Geosciences Project: **Boca Raton** Coastal Studies Laboratory R217 07-07-17 H 45 Sample: 777 Glades Road Boca Raton, FL 33431 Analysis Date: 10/4/2017 561-297-4669 Processed By: PJ Comments: Sieve No. Sieve Size (φ) Sieve Size (mm) Weight (g) % Weight Cum. Weight % 3/4 -4.25 19.03 0 0.00 100.00 0 5/8 -4.00 16.00 0.00 100.00 11/16 -3.50 11.31 0 0.00 100.00 5/16 -3.00 8.00 0 0.00 100.00 3.5 -2.505.66 0 0.00 100.00 4 -2.254.76 0 0.00 100.00 5 0 0.00 -2.004.00 100.00 7 -1.50 2.83 0 0.00 100.00 10 -1.002.00 0 0.00 100.00 14 -0.501.41 0.08 0.05 100.00 18 0.37 0.21 99.95 0.00 1.00 25 0.50 0.71 1.72 0.97 99.75 35 1.00 9.87 5.56 98.78 0.50 45 1.50 0.35 32.96 18.58 93.21 60 2.00 0.25 69.94 39.43 74.63 70 2.25 0.21 27.92 15.74 35.21 80 2.50 0.18 18.97 10.69 19.47 100 2.75 0.15 10.91 6.15 8.78 120 3.93 2.22 3.00 0.13 2.63 140 3.25 0.11 0.68 0.38 0.41 170 3.50 0.09 0.05 0.03 0.03 200 3.75 0.07 0.00 0.00 0 230 4.00 0.00 0.06 0 0.00 Pan >4.00 < 0.06 0 0.00 0.00 177.11 Notes: Pre-Sieve Weight (g): Post-Sieve Weight (g): 177.40 Sieve Loss (%): -0.16 Moment Mean (φ) Mean (mm) Sorting (φ) Skewness (φ) Kurtosis (φ) Method **Statistics** 1.79 0.29 0.53 -0.35 3.56 Megascopic Description Size Class Distribution Carbonate Content Gravel (%): 0 % Carbonate: 44 (Munsell Color) 100 Organic Content Sand (%): Wet/moist color: Mud (%): % Organics: NA Dry color: GLEY17/N 0





Granulometric Analysis Florida Atlantic University **Sediment Data Sheet** Department of Geosciences Project: **Boca Nourishment** Coastal Studies Laboratory R217 collected 9/16/16 - SL Sample: 777 Glades Road Boca Raton, FL 33431 Analysis Date: 12/21/2016 561-297-4669 Processed By: TS Comments: Sieve No. Sieve Size (φ) Sieve Size (mm) Weight (g) % Weight Cum. Weight % 3/4 -4.25 19.03 0.00 0.00 100.00 -4.005/8 16.00 0.00 0.00 100.00 $11.3\overline{1}$ 11/16 -3.50 0.00 0.00 100.00 5/16 -3.00 8.00 0.00 0.00 100.00 3.5 -2.505.66 0.00 100.00 0.00 4 -2.254.76 0.00 0.00 100.00 5 0.00 -2.004.00 0.00 100.00 7 -1.50 2.83 0.00 100.00 0.00 10 -1.002.00 0.00 0.00 100.00 14 -0.501.41 0.30 0.06 100.00 18 1.00 1.80 0.35 99.94 0.00 99.59 25 0.50 0.71 10.20 2.01 35 1.00 41.70 97.58 0.50 8.21 45 1.50 0.35 115.50 22.75 89.36 60 2.00 0.25 193.90 38.19 66.61 70 2.25 0.21 70.60 13.91 28.42 80 2.50 0.18 44.20 8.71 14.52 100 2.75 0.15 21.80 4.29 5.81 120 3.00 6.60 1.30 1.52 0.13 140 3.25 0.11 1.10 0.22 0.22 170 3.50 0.00 0.09 0.00 0.00 200 3.75 0.07 0.00 0.00 0.00 230 4.00 0.00 0.00 0.06 0.00 Pan >4.00 < 0.06 0.00 0.00 0.00 508.50 Notes: Pre-Sieve Weight (g): Post-Sieve Weight (g): 507.70 Sieve Loss (%): 0.16 Moment Mean (φ) Mean (mm) Sorting (φ) Skewness (φ) Kurtosis (φ) Method **Statistics** 1.68 0.31 0.55 -0.40 3.45 Megascopic Description Size Class Distribution Carbonate Content Gravel (%): 0 % Carbonate: 57 (Munsell Color) Sand (%): 100 Organic Content Wet/moist color: GLEY1 3/N Mud (%): 0 % Organics: NA Dry color: GLEY1 6/N





Granulometric Analysis Sediment Data Sheet

Project: SURF

Sample: Boca, R218A, dune toe, 6/8/16

Analysis Date: 6/29/2016

Processed By: Maddy

Comments:

Moment

Method

Statistics

Gravel (%):

Sand (%):

Mud (%):

Mean (φ)

Size Class Distribution

1.73

100

Mean (mm)

% Carbonate:

% Organics:

0.30

Carbonate Content

Organic Content

Florida Atlantic University Department of Geosciences Coastal Studies Laboratory

777 Glades Road Boca Raton, FL 33431 561-297-4669

Sieve No. S	ieve Size (φ)	Sieve Size (mm)	Weight (g)	% Weight	Cum. Weight %
3/4	-4.25	19.03	0.00	0.00	100.00
5/8	-4.00	16.00	0.00	0.00	100.00
11/16	-3.50	11.31	0.00	0.00	100.00
5/16	-3.00	8.00	0.00	0.00	100.00
3.5	-2.50	5.66	0.00	0.00	100.00
5	-2.00	4.00	0.00	0.00	100.00
7	-1.50	2.83	0.00	0.00	100.00
10	-1.00	2.00	0.00	0.00	100.00
14	-0.50	1.41	0.00	0.00	100.00
18	0.00	1.00	0.00	0.00	100.00
25	0.50	0.71	1.10	0.79	100.00
35	1.00	0.50	6.30	4.52	99.21
45	1.50	0.35	25.50	18.31	94.69
60	2.00	0.25	70.70	50.75	76.38
70	2.25	0.21	22.90	16.44	25.63
80	2.50	0.18	9.90	7.11	9.19
100	2.75	0.15	2.60	1.87	2.08
120	3.00	0.13	0.30	0.22	0.22
140	3.25	0.11	0.00	0.00	0.00
170	3.50	0.09	0.00	0.00	0.00
200	3.75	0.07	0.00	0.00	0.00
230	4.00	0.06	0.00	0.00	0.00
Pan	>4.00	< 0.06	0.00	0.00	0.00
Pre-Sieve Weight	(g):	139.20	Notes:		
Post-Sieve Weight (g): 139.30					
Sieve Loss (%):		-0.07			

Sorting (φ)

0.42

45

Skewness (φ)

Wet/moist color:

Dry color:

-0.55

Megascopic Description

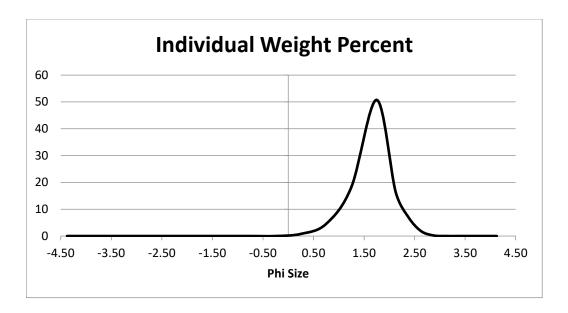
(Munsell Color)

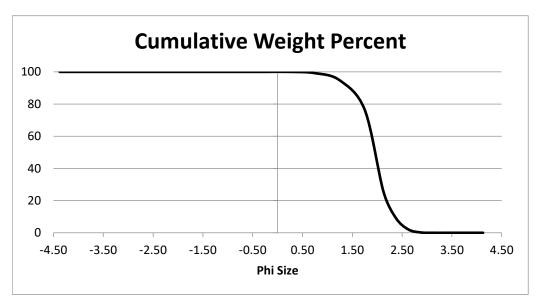
Kurtosis (φ)

3.89

5Y 4/1

5Y 6/1





Granulometric Analysis Sediment Data Sheet

Project: SURF

Sample: Boca, R218A, mid-beach, 6/8/16

Analysis Date: 6/29/2016

Processed By: Maddy

Comments:

Sieve Loss (%):

Moment

Method Statistics Mean (φ)

1.73

Florida Atlantic University Department of Geosciences Coastal Studies Laboratory

777 Glades Road Boca Raton, FL 33431 561-297-4669

Sieve No.	Sieve Size (φ)	Sieve Size (mm)	Weight (g)	% Weight	Cum. Weight %
3/4	-4.25	19.03	0.00	0.00	100.00
5/8	-4.00	16.00	0.00	0.00	100.00
11/16	-3.50	11.31	0.00	0.00	100.00
5/16	-3.00	8.00	0.00	0.00	100.00
3.5	-2.50	5.66	0.00	0.00	100.00
5	-2.00	4.00	0.00	0.00	100.00
7	-1.50	2.83	0.00	0.00	100.00
10	-1.00	2.00	0.00	0.00	100.00
14	-0.50	1.41	0.10	0.05	100.00
18	0.00	1.00	0.70	0.34	99.95
25	0.50	0.71	4.00	1.95	99.6
35	1.00	0.50	14.40	7.01	97.66
45	1.50	0.35	34.60	16.85	90.65
60	2.00	0.25	85.00	41.38	73.83
70	2.25	0.21	35.40	17.23	32.42
80	2.50	0.18	21.10	10.27	15.19
100	2.75	0.15	8.50	4.14	4.92
120	3.00	0.13	1.50	0.73	0.78
140	3.25	0.11	0.10	0.05	0.05
170	3.50	0.09	0.00	0.00	0.00
200	3.75	0.07	0.00	0.00	0.00
230	4.00	0.06	0.00	0.00	0.00
Pan	>4.00	< 0.06	0.00	0.00	0.00
Pre-Sieve Weight	t (g):	205.90	Notes:		
Post-Sieve Weight (g): 205.40					

Megascopic Description Size Class Distribution Carbonate Content Gravel (%): % Carbonate: 53 (Munsell Color) 100 Organic Content Sand (%): Wet/moist color: 5Y 4/1 Mud (%): 0 % Organics: NA Dry color: 5Y 5/1

Sorting (φ)

0.53

Skewness (φ)

-0.70

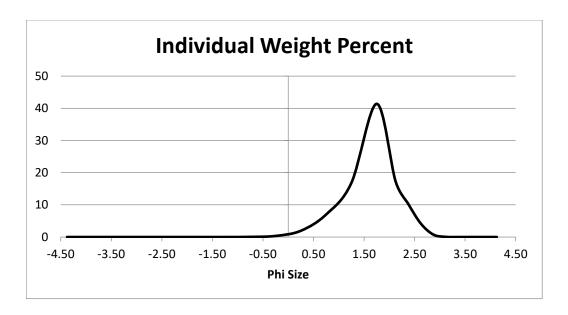
Kurtosis (φ)

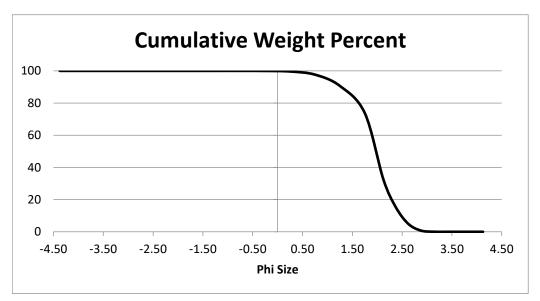
3.89

0.24

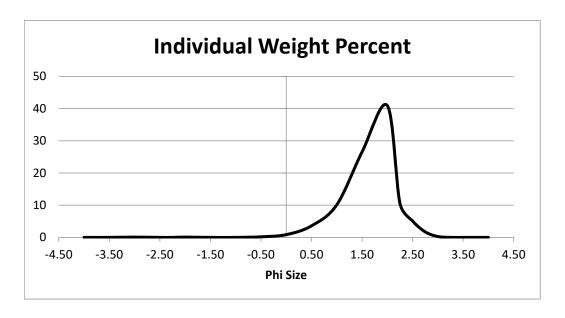
0.30

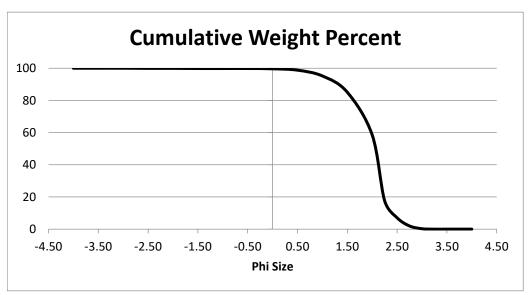
Mean (mm)



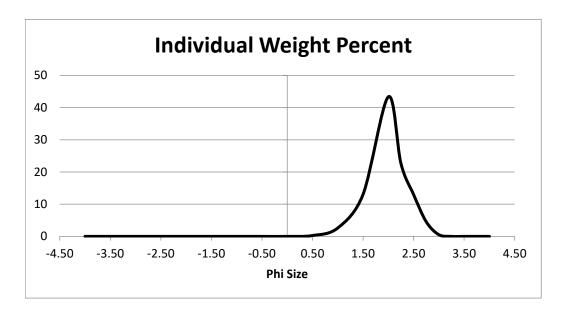


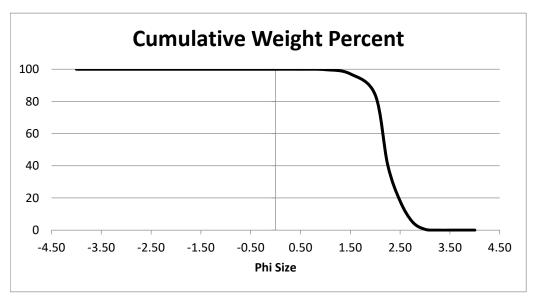
Granulometric Analysis Florida Atlantic University **Sediment Data Sheet** Department of Geosciences Project: **SURF** Coastal Studies Laboratory R219, midbeach, 6/14/16 Sample: 777 Glades Road Boca Raton, FL 33431 Analysis Date: 7/15/2016 561-297-4669 Processed By: Maddy Comments: Sieve No. Sieve Size (φ) Sieve Size (mm) Weight (g) % Weight Cum. Weight % 3/4 -4.25 19.03 0.00 0.00 100.00 5/8 -4.00 16.00 0.00 0.00 100.00 $-3.\overline{50}$ $11.3\overline{1}$ 11/16 0.00 0.00 100.00 5/16 -3.00 8.00 0.20 0.09 100.00 3.5 -2.505.66 0.00 99.91 0.00 4 -2.254.76 0.00 0.00 99.91 5 0.09 -2.004.00 0.20 99.91 7 -1.50 2.83 0.00 99.82 0.00 10 -1.002.00 0.00 0.00 99.82 14 -0.501.41 0.40 0.18 99.82 18 1.90 0.85 99.64 0.00 1.00 25 0.50 0.71 8.00 3.60 98.79 35 22.50 10.12 95.19 1.00 0.50 45 1.50 0.35 59.00 26.54 85.07 60 2.00 0.25 91.00 40.94 58.52 70 2.25 0.21 23.40 10.53 17.59 80 2.50 0.18 11.30 5.08 7.06 100 2.75 0.15 3.80 1.71 1.98 120 0.27 0.27 3.00 0.13 0.60 140 3.25 0.11 0.00 0.00 0.00 170 3.50 0.09 0.00 0.00 0.00 200 3.75 0.07 0.00 0.00 0.00 230 4.00 0.00 0.06 0.00 0.00 Pan >4.00 < 0.06 0.00 0.00 0.00 Pre-Sieve Weight (g): 222.60 Notes: Post-Sieve Weight (g): 222.30 Sieve Loss (%): 0.13 Moment Mean (φ) Mean (mm) Sorting (φ) Skewness (φ) Kurtosis (φ) Method **Statistics** 1.52 0.35 0.57 -1.33 9.08 Megascopic Description Size Class Distribution Carbonate Content Gravel (%): % Carbonate: 57 (Munsell Color) 99 Organic Content Wet/moist color: Sand (%): 2.5Y 5/1 Mud (%): 0 % Organics: NA Dry color: 2.5Y 6/1



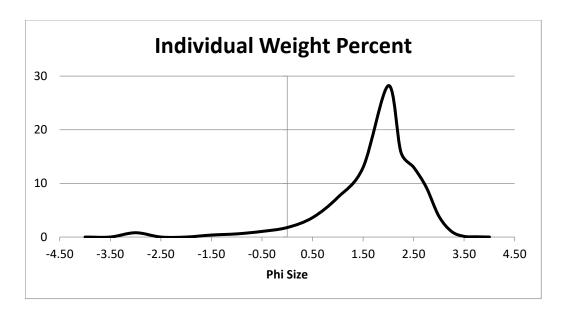


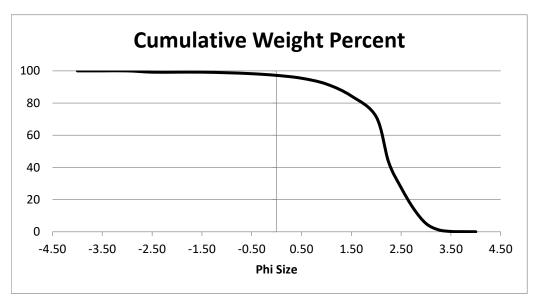
Granulometric Analysis Florida Atlantic University **Sediment Data Sheet** Department of Geosciences Project: Boca Nourishment Coastal Studies Laboratory Sample: R219 Pre Nourishment collected 4/1/16 SL 777 Glades Road Boca Raton, FL 33431 7/19/2016 Date: 561-297-4669 Processed By: TS Comments: Sieve No. Sieve Size (φ) Sieve Size (mm) Weight (g) % Weight Cum. Weight % 3/4 -4.2519.03 0.00 0.00 100.00 5/8 -4.00 16.00 0.00 0.00 100.00 11/16 -3.5011.31 0.00 0.00 100.00 5/16 -3.008.00 0.00 0.00 100.00 100.00 3.5 -2.50 5.66 0.00 0.00 -2.25 4.76 4 0.00 0.00 100.00 5 -2.00 4.00 0.00 0.00 100.00 7 -1.50 2.83 0.00 0.00 100.00 10 -1.002.00 0.00 0.00 100.00 14 -0.50 1.41 0.00 0.00 100.00 18 0.00 1.00 0.00 0.00 100.00 25 0.50 0.71 0.50 0.27 100.00 35 1.00 0.50 4.90 2.62 99.73 45 1.50 0.35 24.40 13.05 97.11 60 2.00 0.25 81.10 43.37 84.06 70 2.25 0.21 42.30 22.62 40.70 80 2.50 0.18 24.30 12.99 18.07 100 2.75 0.15 8.50 4.55 5.08 120 3.00 0.13 1.00 0.53 0.53 140 3.25 0.11 0.00 0.00 0.00 170 3.50 0.00 0.09 0.00 0.00 200 3.75 0.07 0.00 0.00 0.00 230 4.00 0.06 0.00 0.00 0.00 >4.00 < 0.06 0.00 0.00 0.00 Pan Pre-Sieve Weight (g): 188.10 Notes: Post-Sieve Weight (g): 187.00 Sieve Loss (%): 0.58 Moment Mean (φ) Mean (mm) Sorting (φ) Skewness (φ) Kurtosis (φ) Method Statistics 1.87 0.27 0.42 -0.443.51 Megascopic Description Size Class Distribution Carbonate Content NA Gravel (%): 0 % Carbonate: (Munsell Color) Sand (%): 100 Organic Content Wet/moist color: 0 % Organics: 2.5Y 4/1 Mud (%): NA Dry color:





Granulometric Analysis Florida Atlantic University **Sediment Data Sheet** Department of Geosciences Project: Boca Coastal Studies Laboratory Sample: 777 Glades Road R220 L80 7-7-17 Boca Raton, FL 33431 Analysis Date: 8/31/2017 561-297-4669 Processed By: CA JP JB Comments: Sieve No. Sieve Size (φ) Sieve Size (mm) Weight (g) % Weight Cum. Weight % 3/4 -4.25 19.03 0 0.00 100.00 -4.000 5/8 16.00 0.00 100.00 $11.3\overline{1}$ 11/16 -3.50 0 0.00 100.00 5/16 -3.00 8.00 1.27 0.80 100.00 3.5 -2.505.66 0.00 99.20 0 5 -2.004.00 0 0.00 99.20 -1.50 0.59 0.37 99.20 2.83 10 2.00 0.59 98.83 -1.000.93 14 -0.50 1.41 1.66 1.05 98.24 18 0.00 1.00 2.81 1.77 97.19 25 0.50 0.71 5.73 3.62 95.42 35 1.00 0.50 11.7 7.38 91.80 45 12.96 1.50 0.35 20.53 84.42 60 2.00 0.25 44.71 28.22 71.46 70 $2.\overline{25}$ 0.21 25.02 15.79 43.24 80 2.50 0.18 20.63 13.02 27.45 100 2.75 0.15 14.72 9.29 14.43 120 3.00 0.13 6.16 3.89 5.14 140 3.25 1.66 1.26 0.11 1.05 170 3.50 0.09 0.2 0.13 0.21 200 3.75 0.08 0.07 0.05 0.08 230 4.00 0.06 0.00 0.03 0 >4.00 < 0.06 0.05 0.03 0.03 Pan Pre-Sieve Weight (g): 158.69 Notes: Post-Sieve Weight (g): 158.45 Sieve Loss (%): 0.15 Moment Mean (φ) Mean (mm) Sorting (φ) Skewness (φ) Kurtosis (φ) Method 0.92 -1.99**Statistics** 1.71 0.31 9.81 Carbonate Content Megascopic Description Size Class Distribution % Carbonate: Gravel (%): NA (Munsell Color) 98 Sand (%): **Organic Content** Wet/moist color: Mud (%): % Organics: GLEY1 6/N Dry color:





Granulometric Analysis Florida Atlantic University **Sediment Data Sheet** Department of Geosciences Project: **Boca Nourishment** Coastal Studies Laboratory 9/14/2017 SL R220 Sample: 777 Glades Road Boca Raton, FL 33431 Analysis Date: 10/2/2017 561-297-4669 Processed By: TS Comments: Sieve No. Sieve Size (φ) Sieve Size (mm) Weight (g) % Weight Cum. Weight % 3/4 -4.25 19.03 0.00 0.00 100.00 5/8 -4.00 16.00 0.00 0.00 100.00 $11.3\overline{1}$ 11/16 -3.50 0.00 0.00 100.00 5/16 -3.00 8.00 0.00 0.00 100.00 3.5 -2.505.66 0.00 100.00 0.00 4 -2.254.76 0.00 0.00 100.00 5 0.54 -2.004.00 1.43 100.00 7 -1.50 2.83 2.73 99.46 1.02 10 -1.002.00 6.34 2.37 98.44 14 -0.501.41 13.01 4.87 96.07 18 9.00 91.20 0.00 1.00 24.05 25 0.50 0.71 53.91 20.18 82.20 35 1.00 0.50 87.69 32.83 62.01 45 1.50 0.35 50.01 18.72 29.19 60 2.00 0.25 16.62 6.22 10.46 70 2.25 0.21 4.19 1.57 4.24 80 2.50 0.18 2.80 1.05 2.67 100 2.75 0.15 2.44 0.91 1.62 120 1.45 0.54 0.71 3.00 0.13 140 3.25 0.11 0.40 0.15 0.17 170 3.50 0.09 0.05 0.02 0.02 200 3.75 0.07 0.00 0.00 0.00 230 4.00 0.00 0.06 0.00 0.00 Pan >4.00 < 0.06 0.00 0.00 0.00 Pre-Sieve Weight (g): 267.44 Notes: Post-Sieve Weight (g): 267.12 Sieve Loss (%): 0.12 Moment Mean (φ) Mean (mm) Sorting (φ) Skewness (φ) Kurtosis (φ) Method **Statistics** 0.62 0.65 0.82 -0.38 4.13 Megascopic Description Size Class Distribution Carbonate Content Gravel (%): % Carbonate: 57 (Munsell Color) Sand (%): 97 Organic Content Wet/moist color: **GLEY 1 4/N** Mud (%): 0 % Organics: NA Dry color: **GLEY 17/N**

