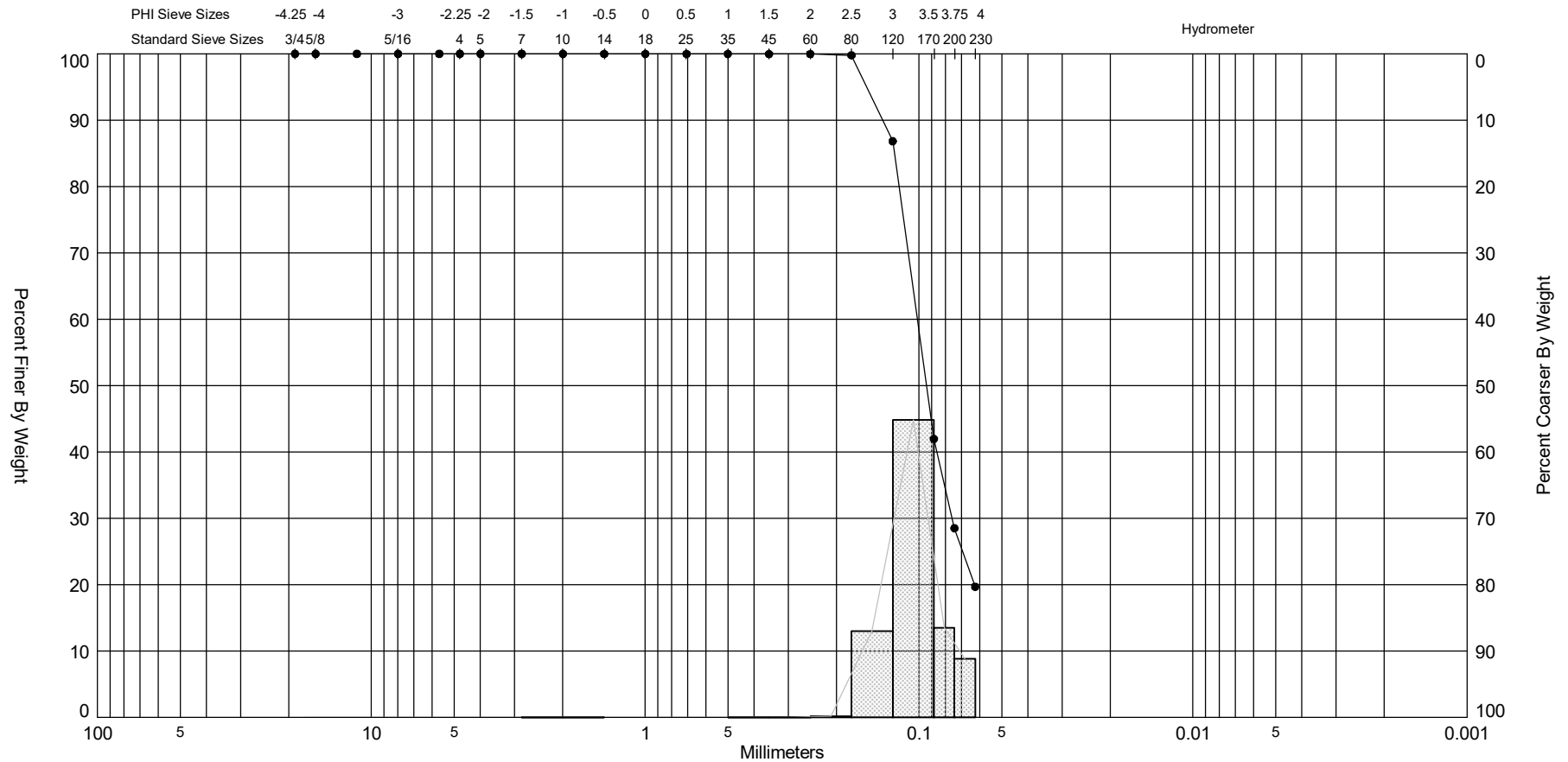


MCFADDIN_COMPOSITE_20181008.GPJ 11/19/18



Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

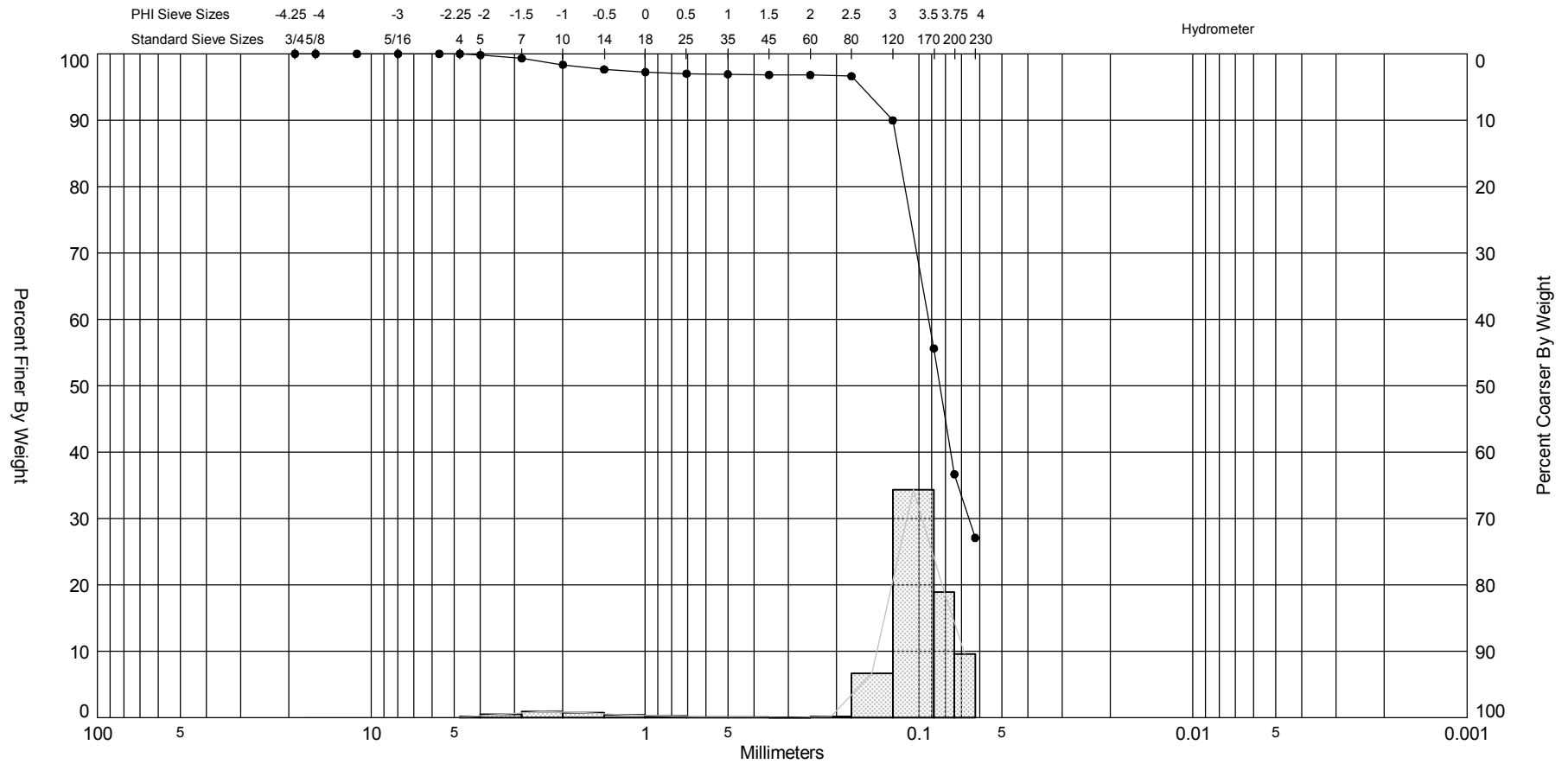
Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
JCVC-15-07 COMP	—●—		SM	#200 - 28.51 #230 - 19.69			3.41	3.3	-0.62	9.63	0.33	Project Name:	McFaddin NWR Beach Ridge Restoration
Comments: COMPOSITE												Analysis Date:	10-05-18
Depths and elevations based on measured values												Analyzed By:	BF
							APTIM 2481 NW Boca Raton Blvd. Boca Raton, FL 33431 ph (561) 391-8102					Easting (X, ft):	3,480,947
												Northing (Y, ft):	13,788,105
												Horizontal Datum:	NAD 1983
												Vertical Datum:	NAVD 88

DRILLING LOG		DIVISION	INSTALLATION	SHEET 1 OF 1 SHEETS
1. PROJECT McFaddin Sand Search Jefferson County, TX			9. SIZE AND TYPE OF BIT 3.0 In.	
2. BORING DESIGNATION JCVC-15-07			10. COORDINATE SYSTEM/DATUM Texas South Central	
3. DRILLING AGENCY American Vibracore Services, Inc.			11. MANUFACTURER'S DESIGNATION OF DRILL Alpine Pneumatic Vibracore	
4. NAME OF DRILLER Brian McCord			☐ AUTO HAMMER ☐ MANUAL HAMMER	
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED			12. TOTAL SAMPLES DISTURBED UNDISTURBED (UD)	
6. THICKNESS OF OVERBURDEN 0.0 Ft.			13. TOTAL NUMBER CORE BOXES	
7. DEPTH DRILLED INTO ROCK 0.0 Ft.			14. ELEVATION GROUND WATER	
8. TOTAL DEPTH OF BORING 20.0 Ft.			15. DATE BORING 01-26-15 12:14 COMPLETED 01-26-15 12:23	
16. ELEVATION TOP OF BORING -26.8 Ft.			17. TOTAL RECOVERY FOR BORING 19.5 Ft.	
18. SIGNATURE AND TITLE OF INSPECTOR KM				

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS
-26.8	0.0					
-29.4	2.6		CLAY, trace carbonate rock fragments, carbonate rock fragments up to 0.5", yellowish brown (10YR-5/4), (CL).		T1	Sample #T1, Depth = 1.3' Ave. Field Vane (tsf): 0.53
-31.5	4.7		SAND, fine grained, quartz, some clay, trace carbonate rock fragments, trace silt, clay distributed in clayey pockets up to 1", carbonate rock fragments up to 0.25", light yellowish brown (2.5Y-6/3), (SC).		1	Sample #1, Depth = 3.6' Mean (mm): 0.11, Phi Sorting: 0.94 Fines (230): 27.08% (SC)
-33.1	6.3		CLAY, some sand, light brownish gray (2.5Y-6/2), (CL).		2	Sample #2, Depth = 5.5' Mean (mm): 0.10, Phi Sorting: 0.51 Fines (230): 78.51% (CL)
-34.4	7.6		Sandy CLAY, trace shell fragments, shell fragments up to 0.75", (2" x 1.5") whole shells at 6.5', 7.0', and 7.3', gray (2.5Y-6/1), (CL).		3	Sample #3, Depth = 6.8' Mean (mm): 0.12, Phi Sorting: 0.99 Fines (230): 56.36% (CL)
-40.0	13.2		CLAY, some carbonate rock fragments, carbonate rock fragments up to 0.75", pale red (2.5YR-6/2), (GC).		T2	Sample #T2, Depth = 10.3' Ave. Field Vane (tsf): 0.55
-41.7	14.9		CLAY, little sand, dark gray (2.5Y-4/1), (CL).		4	Sample #4, Depth = 14.0' Mean (mm): 0.09, Phi Sorting: 0.63 Fines (230): 80.04% (CL)
-46.3	19.5		SAND, fine grained, quartz, trace clay, trace silt, clay distributed in clayey laminae, dark grayish brown (2.5Y-4/2), (SM).		5	Sample #5, Depth = 17.4' Mean (mm): 0.10, Phi Sorting: 0.33 Fines (230): 13.90% (SM)
-46.8	20.0		No Recovery.			
			End of Boring			

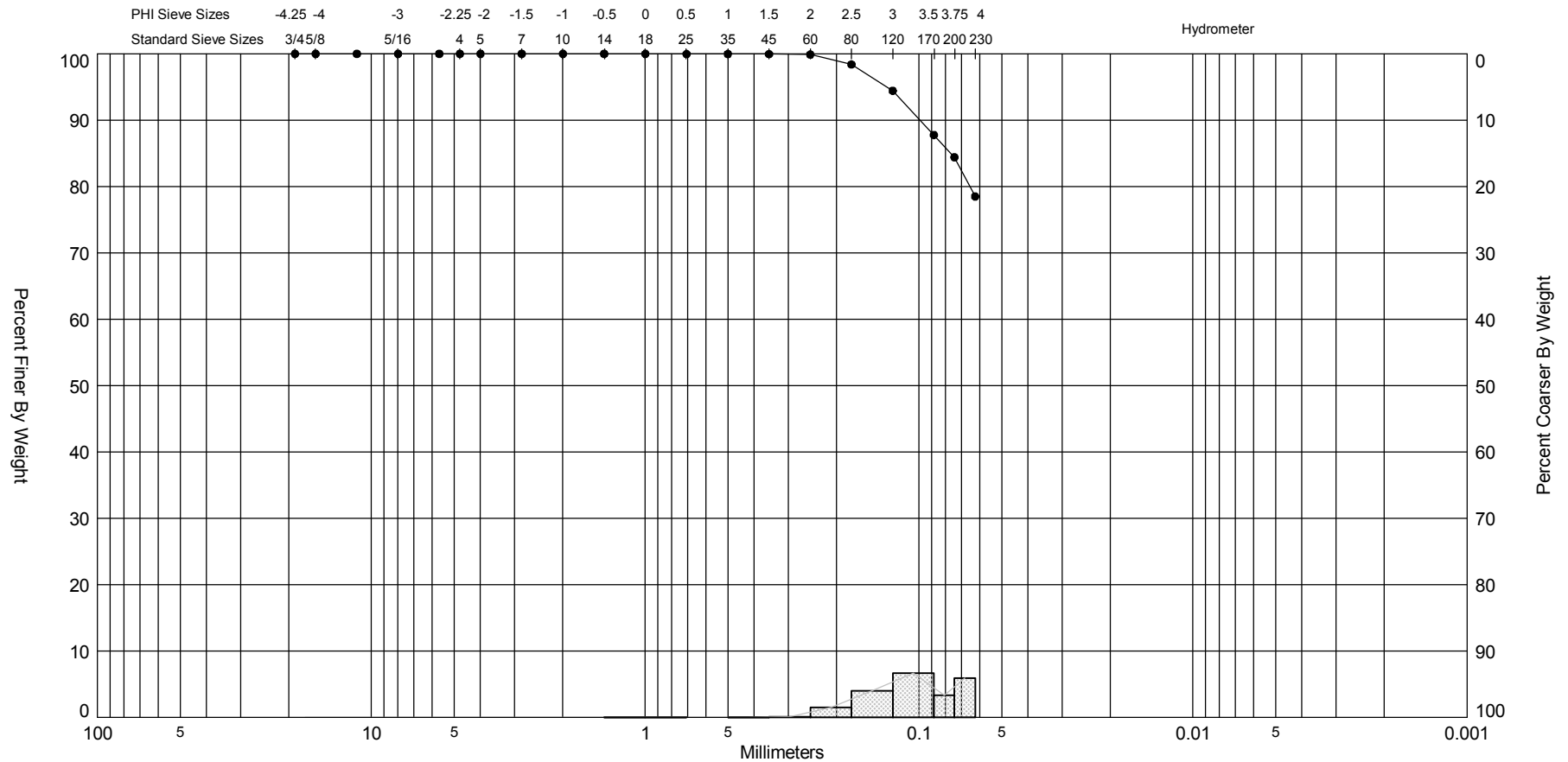
LOUISIANA JEFFERSON COUNTY 2015 VCS.GPJ JPBRAZIL.GDT 6/4/15

Granularmetric Report Depths and elevations based on measured values				 APTIM 2481 NW Boca Raton Blvd. Boca Raton, FL 33431 ph (561) 391-8102			
Project Name: McFaddin NWR Beach Ridge Restoration							
Sample Name: JCVC-15-07 COMP							
Analysis Date: 10-05-18							
Analyzed By: BF							
Easting (ft): 3,480,947		Northing (ft): 13,788,105		Coordinate System: Texas South Central		Elevation (ft):	
USCS: SM		Munsell:		Comments: COMPOSITE			
Dry Weight (g): 100.00	Wash Weight (g): 100.00	Pan Retained (g): 19.47	Sieve Loss (%): 0.22	Fines (%): #200 - 28.51 #230 - 19.69	Organics (%):	Carbonates (%):	Shell Hash (%):
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	0.00	0.00	0.00	0.00	
4	-2.25	4.76	0.00	0.00	0.00	0.00	
5	-2.00	4.00	0.00	0.00	0.00	0.00	
7	-1.50	2.83	0.00	0.00	0.00	0.00	
10	-1.00	2.00	0.01	0.01	0.01	0.01	
14	-0.50	1.41	0.01	0.01	0.02	0.02	
18	0.00	1.00	0.00	0.00	0.02	0.02	
25	0.50	0.71	0.00	0.00	0.02	0.02	
35	1.00	0.50	0.00	0.00	0.02	0.02	
45	1.50	0.35	0.01	0.01	0.03	0.03	
60	2.00	0.25	0.01	0.01	0.04	0.04	
80	2.50	0.18	0.17	0.17	0.21	0.21	
120	3.00	0.13	12.96	12.96	13.17	13.17	
170	3.50	0.09	44.86	44.86	58.03	58.03	
200	3.75	0.07	13.46	13.46	71.49	71.49	
230	4.00	0.06	8.82	8.82	80.31	80.31	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
		3.85	3.41	3.13	3.03	2.68	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	3.3	0.10	0.33	-0.62	9.63		



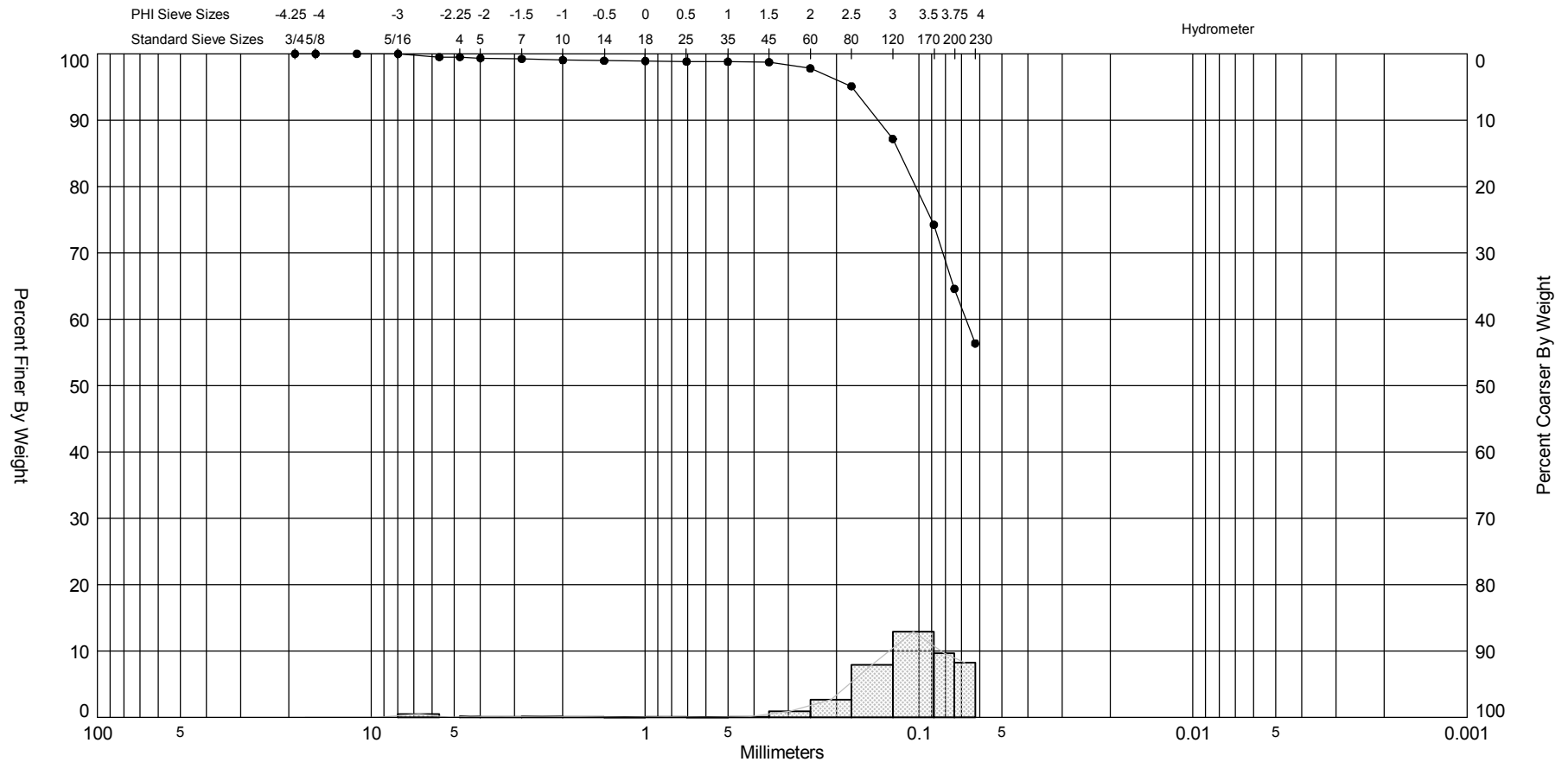
Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
JCVC-15-07 #1	—●—	-30.4	SC	#200 - 36.67 #230 - 27.08			3.57	3.2	-3.9	18.82	0.94	Project Name:	McFaddin Sand Search
Comments:												Analysis Date:	02-19-15
Depths and elevations based on measured values												Analyzed By:	GS
						CB&I Coastal Planning & Engineering, Inc. 2481 NW Boca Raton Blvd. Boca Raton, FL 33431 ph (561) 391 8102						Easting (X, ft):	3,480,947
												Northing (Y, ft):	13,788,105
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88



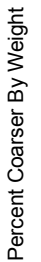
Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
JCVC-15-07 #2	—●—	-32.3	CL	#200 - 84.42 #230 - 78.51				3.31	-0.9	4.52	0.51	Project Name:	McFaddin Sand Search
Comments:												Analysis Date:	02-19-15
Depths and elevations based on measured values												Analyzed By:	GS
							CB&I Coastal Planning & Engineering, Inc. 2481 NW Boca Raton Blvd. Boca Raton, FL 33431 ph (561) 391 8102					Easting (X, ft):	3,480,947
												Northing (Y, ft):	13,788,105
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88



Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

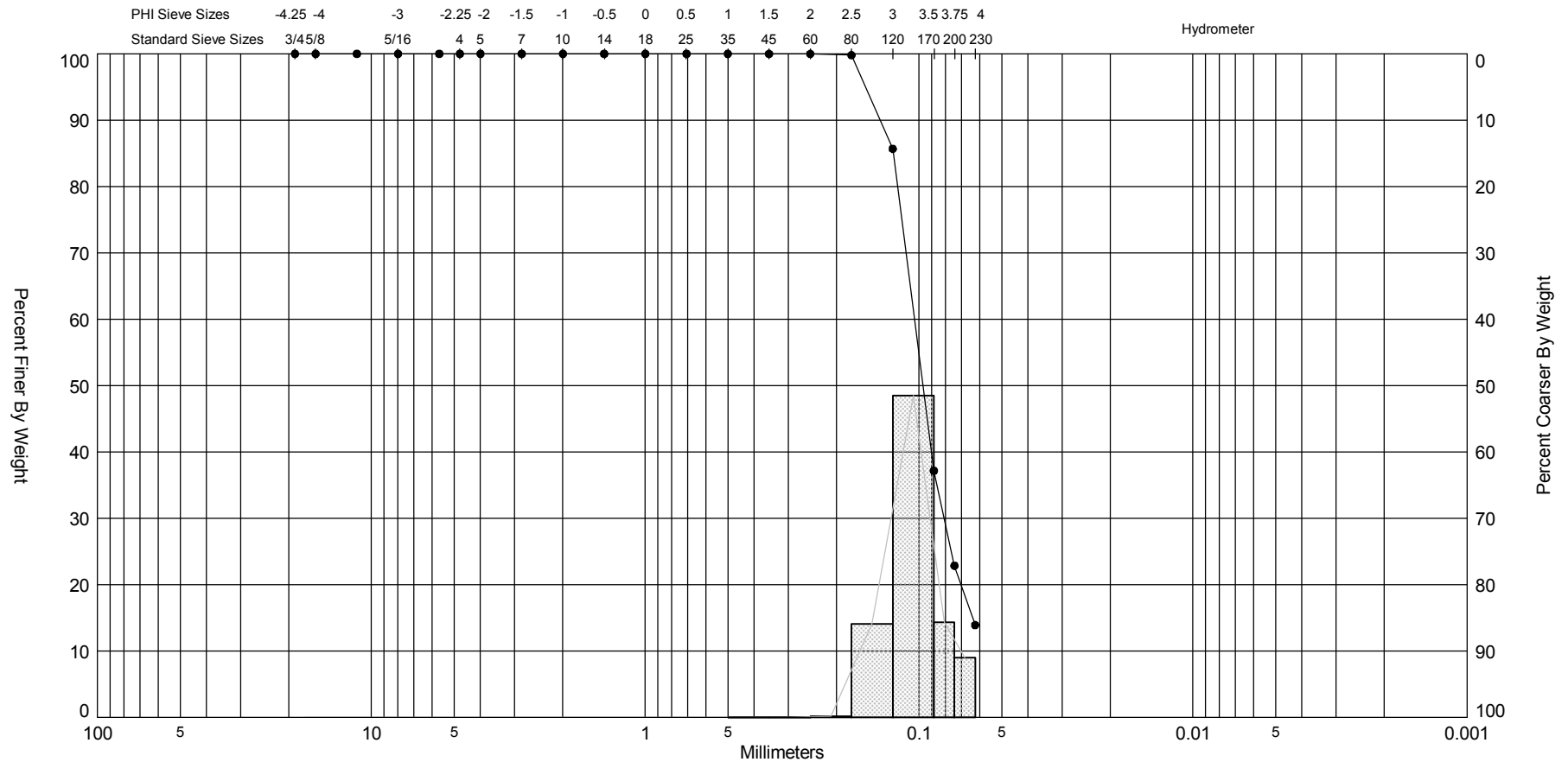
Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
JCVC-15-07 #3	—●—	-33.6	CL	#200 - 64.59 #230 - 56.36				3.12	-3.8	21	0.99	Project Name:	McFaddin Sand Search
Comments:												Analysis Date:	02-19-15
Depths and elevations based on measured values												Analyzed By:	GS
							CB&I Coastal Planning & Engineering, Inc. 2481 NW Boca Raton Blvd. Boca Raton, FL 33431 ph (561) 391 8102					Easting (X, ft):	3,480,947
												Northing (Y, ft):	13,788,105
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88



Silt and Clay



CB&I
Coastal Planning & Engineering, Inc.
2481 NW Boca Raton Blvd.
Boca Raton, FL 33431
ph (561) 391 8102



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	
JCVC-15-07 #5		-44.2	SM	#200 - 22.86 #230 - 13.90			3.37	3.29	-0.1	2.99	0.33	Project Name:	McFaddin Sand Search
Comments:												Analysis Date:	02-19-15
Depths and elevations based on measured values												Analyzed By:	GS
						CB&I Coastal Planning & Engineering, Inc. 2481 NW Boca Raton Blvd. Boca Raton, FL 33431 ph (561) 391 8102						Easting (X, ft):	3,480,947
												Northing (Y, ft):	13,788,105
												Horizontal System:	NAD 1983
												Vertical System:	NAVD 88

Granularmetric Report Depths and elevations based on measured values				 CB&I Coastal Planning & Engineering, Inc. 2481 NW Boca Raton Blvd. Boca Raton, FL 33431 ph (561) 391 8102							
Project Name: McFaddin Sand Search											
Sample Name: JCVC-15-07 #1											
Analysis Date: 02-19-15											
Analyzed By: GS				Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
3,480,947		13,788,105		Texas South Central		-30.4 NAVD 88					
USCS: SC		Munsell: Wet - 2.5Y-6/3 Dry - 2.5Y-7/2 Washed - 2.5Y-8/1		Comments:							
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shell Hash (%):				
89.86	68.75	2.97	0.28	#200 - 36.67 #230 - 27.08							
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	0.00	0.00	0.00	0.00					
4	-2.25	4.76	0.00	0.00	0.00	0.00					
5	-2.00	4.00	0.16	0.18	0.16	0.18					
7	-1.50	2.83	0.45	0.50	0.61	0.68					
10	-1.00	2.00	0.85	0.95	1.46	1.63					
14	-0.50	1.41	0.65	0.72	2.11	2.35					
18	0.00	1.00	0.37	0.41	2.48	2.76					
25	0.50	0.71	0.20	0.22	2.68	2.98					
35	1.00	0.50	0.08	0.09	2.76	3.07					
45	1.50	0.35	0.08	0.09	2.84	3.16					
60	2.00	0.25	0.04	0.04	2.88	3.20					
80	2.50	0.18	0.15	0.17	3.03	3.37					
120	3.00	0.13	5.99	6.67	9.02	10.04					
170	3.50	0.09	30.86	34.34	39.88	44.38					
200	3.75	0.07	17.03	18.95	56.91	63.33					
230	4.00	0.06	8.62	9.59	65.53	72.92					
Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.											
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95					
			3.57	3.22	3.09	2.62					
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis						
Statistics	3.2	0.11	0.94	-3.9	18.82						

Granularmetric Report Depths and elevations based on measured values				 CB&I Coastal Planning & Engineering, Inc. 2481 NW Boca Raton Blvd. Boca Raton, FL 33431 ph (561) 391 8102			
Project Name: McFaddin Sand Search							
Sample Name: JCVC-15-07 #2							
Analysis Date: 02-19-15							
Analyzed By: GS							
Easting (ft): 3,480,947		Northing (ft): 13,788,105		Coordinate System: Texas South Central		Elevation (ft): -32.3 NAVD 88	
USCS: CL		Munsell: Wet - 2.5Y-6/2 Dry - 2.5Y-7/2 Washed - 2.5Y-8/1		Comments:			
Dry Weight (g): 102.12	Wash Weight (g): 26.92	Pan Retained (g): 4.84	Sieve Loss (%): 0.14	Fines (%): #200 - 84.42 #230 - 78.51	Organics (%):	Carbonates (%):	Shell Hash (%):
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	0.00	0.00	0.00	0.00	
4	-2.25	4.76	0.00	0.00	0.00	0.00	
5	-2.00	4.00	0.00	0.00	0.00	0.00	
7	-1.50	2.83	0.00	0.00	0.00	0.00	
10	-1.00	2.00	0.00	0.00	0.00	0.00	
14	-0.50	1.41	0.00	0.00	0.00	0.00	
18	0.00	1.00	0.01	0.01	0.01	0.01	
25	0.50	0.71	0.02	0.02	0.03	0.03	
35	1.00	0.50	0.00	0.00	0.03	0.03	
45	1.50	0.35	0.01	0.01	0.04	0.04	
60	2.00	0.25	0.07	0.07	0.11	0.11	
80	2.50	0.18	1.52	1.49	1.63	1.60	
120	3.00	0.13	4.04	3.96	5.67	5.56	
170	3.50	0.09	6.80	6.66	12.47	12.22	
200	3.75	0.07	3.43	3.36	15.90	15.58	
230	4.00	0.06	6.04	5.91	21.94	21.49	
Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.							
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
					3.77	2.93	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	3.31	0.10	0.51	-0.9	4.52		

Granularmetric Report Depths and elevations based on measured values				 CB&I Coastal Planning & Engineering, Inc. 2481 NW Boca Raton Blvd. Boca Raton, FL 33431 ph (561) 391 8102			
Project Name: McFaddin Sand Search							
Sample Name: JCVC-15-07 #3							
Analysis Date: 02-19-15							
Analyzed By: GS							
Easting (ft): 3,480,947		Northing (ft): 13,788,105		Coordinate System: Texas South Central		Elevation (ft): -33.6 NAVD 88	
USCS: CL		Munsell: Wet - 2.5Y-6/1 Dry - 2.5Y-7/1 Washed - 2.5Y-8/1		Comments:			
Dry Weight (g): 89.56	Wash Weight (g): 44.46	Pan Retained (g): 5.25	Sieve Loss (%): 0.15	Fines (%): #200 - 64.59 #230 - 56.36	Organics (%):	Carbonates (%):	Shell Hash (%):
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	0.43	0.48	0.43	0.48	
4	-2.25	4.76	0.00	0.00	0.43	0.48	
5	-2.00	4.00	0.15	0.17	0.58	0.65	
7	-1.50	2.83	0.11	0.12	0.69	0.77	
10	-1.00	2.00	0.16	0.18	0.85	0.95	
14	-0.50	1.41	0.08	0.09	0.93	1.04	
18	0.00	1.00	0.04	0.04	0.97	1.08	
25	0.50	0.71	0.07	0.08	1.04	1.16	
35	1.00	0.50	0.04	0.04	1.08	1.20	
45	1.50	0.35	0.05	0.06	1.13	1.26	
60	2.00	0.25	0.84	0.94	1.97	2.20	
80	2.50	0.18	2.40	2.68	4.37	4.88	
120	3.00	0.13	7.11	7.94	11.48	12.82	
170	3.50	0.09	11.59	12.94	23.07	25.76	
200	3.75	0.07	8.64	9.65	31.71	35.41	
230	4.00	0.06	7.37	8.23	39.08	43.64	
Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.							
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
				3.47	3.12	2.51	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	3.12	0.12	0.99	-3.8	21		

Granularmetric Report Depths and elevations based on measured values				 CB&I Coastal Planning & Engineering, Inc. 2481 NW Boca Raton Blvd. Boca Raton, FL 33431 ph (561) 391 8102			
Project Name: McFaddin Sand Search							
Sample Name: JCVC-15-07 #4							
Analysis Date: 02-19-15							
Analyzed By: GS							
Easting (ft): 3,480,947		Northing (ft): 13,788,105		Coordinate System: Texas South Central		Elevation (ft): -40.8 NAVD 88	
USCS: CL		Munsell: Wet - 2.5Y-4/1 Dry - 2.5Y-6/1 Washed - 2.5Y-7/1		Comments:			
Dry Weight (g): 90.33	Wash Weight (g): 22.89	Pan Retained (g): 4.70	Sieve Loss (%): 0.17	Fines (%): #200 - 87.38 #230 - 80.04	Organics (%):	Carbonates (%):	Shell Hash (%):
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	0.00	0.00	0.00	0.00	
4	-2.25	4.76	0.00	0.00	0.00	0.00	
5	-2.00	4.00	0.00	0.00	0.00	0.00	
7	-1.50	2.83	0.03	0.03	0.03	0.03	
10	-1.00	2.00	0.12	0.13	0.15	0.16	
14	-0.50	1.41	0.06	0.07	0.21	0.23	
18	0.00	1.00	0.01	0.01	0.22	0.24	
25	0.50	0.71	0.03	0.03	0.25	0.27	
35	1.00	0.50	0.00	0.00	0.25	0.27	
45	1.50	0.35	0.01	0.01	0.26	0.28	
60	2.00	0.25	0.01	0.01	0.27	0.29	
80	2.50	0.18	0.02	0.02	0.29	0.31	
120	3.00	0.13	0.92	1.02	1.21	1.33	
170	3.50	0.09	5.97	6.61	7.18	7.94	
200	3.75	0.07	4.23	4.68	11.41	12.62	
230	4.00	0.06	6.63	7.34	18.04	19.96	
Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.							
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
					3.87	3.28	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	3.48	0.09	0.63	-5.26	38.9		

Granularmetric Report Depths and elevations based on measured values				 CB&I Coastal Planning & Engineering, Inc. 2481 NW Boca Raton Blvd. Boca Raton, FL 33431 ph (561) 391 8102											
Project Name: McFaddin Sand Search															
Sample Name: JCVC-15-07 #5															
Analysis Date: 02-19-15															
Analyzed By: GS				Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):					
3,480,947		13,788,105		Texas South Central		-44.2 NAVD 88									
USCS:		Munsell:		Comments:											
SM		Wet - 2.5Y-4/2 Dry - 2.5Y-6/2 Washed - 2.5Y-7/1													
Dry Weight (g):		Wash Weight (g):		Pan Retained (g):		Sieve Loss (%):		Fines (%):		Organics (%):		Carbonates (%):		Shell Hash (%):	
91.41		81.81		2.90		0.23		#200 - 22.86 #230 - 13.90							
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	0.00	0.00	0.00	0.00									
4	-2.25	4.76	0.00	0.00	0.00	0.00									
5	-2.00	4.00	0.00	0.00	0.00	0.00									
7	-1.50	2.83	0.00	0.00	0.00	0.00									
10	-1.00	2.00	0.00	0.00	0.00	0.00									
14	-0.50	1.41	0.00	0.00	0.00	0.00									
18	0.00	1.00	0.00	0.00	0.00	0.00									
25	0.50	0.71	0.00	0.00	0.00	0.00									
35	1.00	0.50	0.00	0.00	0.00	0.00									
45	1.50	0.35	0.01	0.01	0.01	0.01									
60	2.00	0.25	0.01	0.01	0.02	0.02									
80	2.50	0.18	0.16	0.18	0.18	0.20									
120	3.00	0.13	12.90	14.11	13.08	14.31									
170	3.50	0.09	44.35	48.52	57.43	62.83									
200	3.75	0.07	13.08	14.31	70.51	77.14									
230	4.00	0.06	8.19	8.96	78.70	86.10									
Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.															
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95									
	3.94	3.71	3.37	3.11	3.02	2.67									
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis										
Statistics	3.29	0.10	0.33	-0.1	2.99										





