

DRILLING LOG		DIVISION		INSTALLATION		SHEET 1 OF 1 SHEETS	
1. PROJECT McFaddin NWR Beach Ridge Restoration Jefferson County, Texas				9. SIZE AND TYPE OF BIT 3.0 In.			
2. BORING DESIGNATION JCVC-18-15				10. COORDINATE SYSTEM/DATUM Texas South Central		HORIZONTAL NAD 1983	
LOCATION COORDINATES (ft) X = 3,473,870 Y = 13,785,942				11. MANUFACTURER'S DESIGNATION OF DRILL APTIM SEAS VC-700 Vibracore		VERTICAL NAVD88	
3. DRILLING AGENCY APTIM				12. TOTAL SAMPLES		DISTURBED	
CONTRACTOR FILE NO.				13. TOTAL NUMBER CORE BOXES		UNDISTURBED (UD)	
4. NAME OF DRILLER Francis Stankiewicz				14. ELEVATION GROUND WATER			
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED				15. DATE BORING		STARTED 05-18-18 14:35	
DEG. FROM VERTICAL				COMPLETED 05-18-18 14:48		BEARING	
6. THICKNESS OF OVERBURDEN 0.0 Ft.				16. ELEVATION TOP OF BORING -25.2 Ft.			
7. DEPTH DRILLED INTO ROCK 0.0 Ft.				17. TOTAL RECOVERY FOR BORING 18.6 Ft.			
8. TOTAL DEPTH OF BORING 17.2 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	
-25.2	0.0						
-26.5	1.3		CLAY, trace silt, silt distributed in pockets up to 1.0", olive brown (2.5Y-4/4), (CL).		T1	Sample #T1, Depth = 0.7' Ave. Field Vane (tsf): 0.57	
-28.5	3.3		Clayey SAND, fine grained, quartz, little silt, light olive brown (2.5Y-5/3), (CL).		1	Sample #1, Depth = 2.3' Mean (mm): 0.11, Phi Sorting: 0.40 Fines (230): 43.59% (CL)	
-30.3	5.1		CLAY, 0.25" rock @ 4.9', 0.5" rock @ 5.1', olive brown (2.5Y-4/4), (CL).		T2	Sample #T2, Depth = 4.2' Ave. Field Vane (tsf): 0.57	
-35.3	10.1		CLAY, trace organics, dark greenish gray (10Y-4/1), (CL).		T3	Sample #T3, Depth = 7.6' Ave. Field Vane (tsf): 0.61	
-39.3	14.1		CLAY, trace rock, rocks up to (1.25" x 1.0"), 2.0" rock @ 13.9', greenish gray (5GY-5/1), (CL).		T4	Sample #T4, Depth = 12.1' Ave. Field Vane (tsf): 0.58	
-43.1	17.9		CLAY, some shell hash, little silt, trace shell fragments, silt distributed in laminae and pockets up to 1.0", (3.0" x 1.25") some shell hash pocket with trace shell fragments up to (0.75" x 0.5") @ 14.3', 2.5" silty pocket @ 17.7', olive gray (5Y-4/2), (CL).		T5	Sample #T5, Depth = 15.9' Ave. Field Vane (tsf): 0.87	
-43.8	18.6		CLAY, trace rock, rocks up to (1.5" x 1.0"), Bit Sample from 18.2' to 18.6', greenish gray (10Y-5/1), (CL).				
End of Boring							

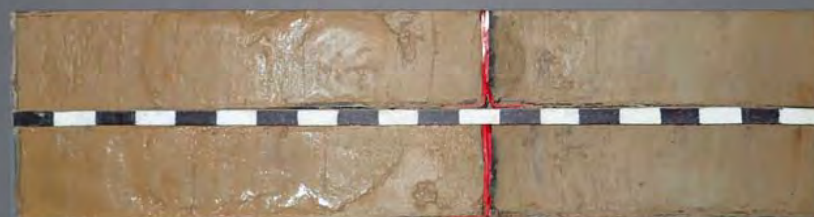
Granularmetric Report Depths and elevations based on measured values				 APTIM 2481 NW Boca Raton Blvd. Boca Raton, FL 33431 ph (561) 391-8102			
Project Name: McFaddin NWR Beach Ridge Restoration							
Sample Name: JCVC-18-15 #1							
Analysis Date: 06-25-18							
Analyzed By: SP							
Easting (ft): 3,473,870		Northing (ft): 13,785,942		Coordinate System: Texas South Central		Elevation (ft): -27.5 NAVD88	
USCS: SC		Munsell: Wet - 2.5Y-5/3 Dry - 10YR-6/4 Washed - 10YR-7/3		Comments:			
Dry Weight (g): 95.01	Wash Weight (g): 60.36	Pan Retained (g): 6.71	Sieve Loss (%): 0.04	Fines (%): #200 - 51.01 #230 - 43.59	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	0.01	0.01	0.01	0.01	
18	0.00	1.00	0.02	0.02	0.03	0.03	
25	0.50	0.71	0.02	0.02	0.05	0.05	
35	1.00	0.50	0.01	0.01	0.06	0.06	
45	1.50	0.35	0.03	0.03	0.09	0.09	
60	2.00	0.25	0.08	0.08	0.17	0.17	
80	2.50	0.18	0.55	0.58	0.72	0.75	
120	3.00	0.13	12.60	13.26	13.32	14.01	
170	3.50	0.09	25.34	26.67	38.66	40.68	
200	3.75	0.07	7.90	8.31	46.56	48.99	
230	4.00	0.06	7.05	7.42	53.61	56.41	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
			3.78	3.21	3.04	2.66	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	3.25	0.11	0.4	-0.81	8.18		



MCFADDIN NWR BEACH
RIDGE RESTORATION
PHASE II
JCVC-18-15
0.0' - 2.0'



MCFADDIN NWR BEACH
RIDGE RESTORATION
PHASE II
JCVC-18-15
2.0' - 4.0'



MCFADDIN NWR BEACH
RIDGE RESTORATION
PHASE II
JCVC-18-15
4.0' - 6.0'



MCFADDIN NWR BEACH
RIDGE RESTORATION
PHASE II
JCVC-18-15
6.0' - 8.0'





MCFADDIN NWR BEACH
RIDGE RESTORATION
PHASE II
JCVC-18-15
8.0'-10.0'



MCFADDIN NWR BEACH
RIDGE RESTORATION
PHASE II
JCVC-18-15
10.0'-12.0'



MCFADDIN NWR BEACH
RIDGE RESTORATION
PHASE II
JCVC-18-15
12.0'-14.0'



MCFADDIN NWR BEACH
RIDGE RESTORATION
PHASE II
JCVC-18-15
14.0'-16.0'





MCFADDIN NWR BEACH
RIDGE RESTORATION
PHASE II
JCVC-18-15
16.0'-18.0'



MCFADDIN NWR BEACH
RIDGE RESTORATION
PHASE II
JCVC-18-15
18.0'-18.6'

