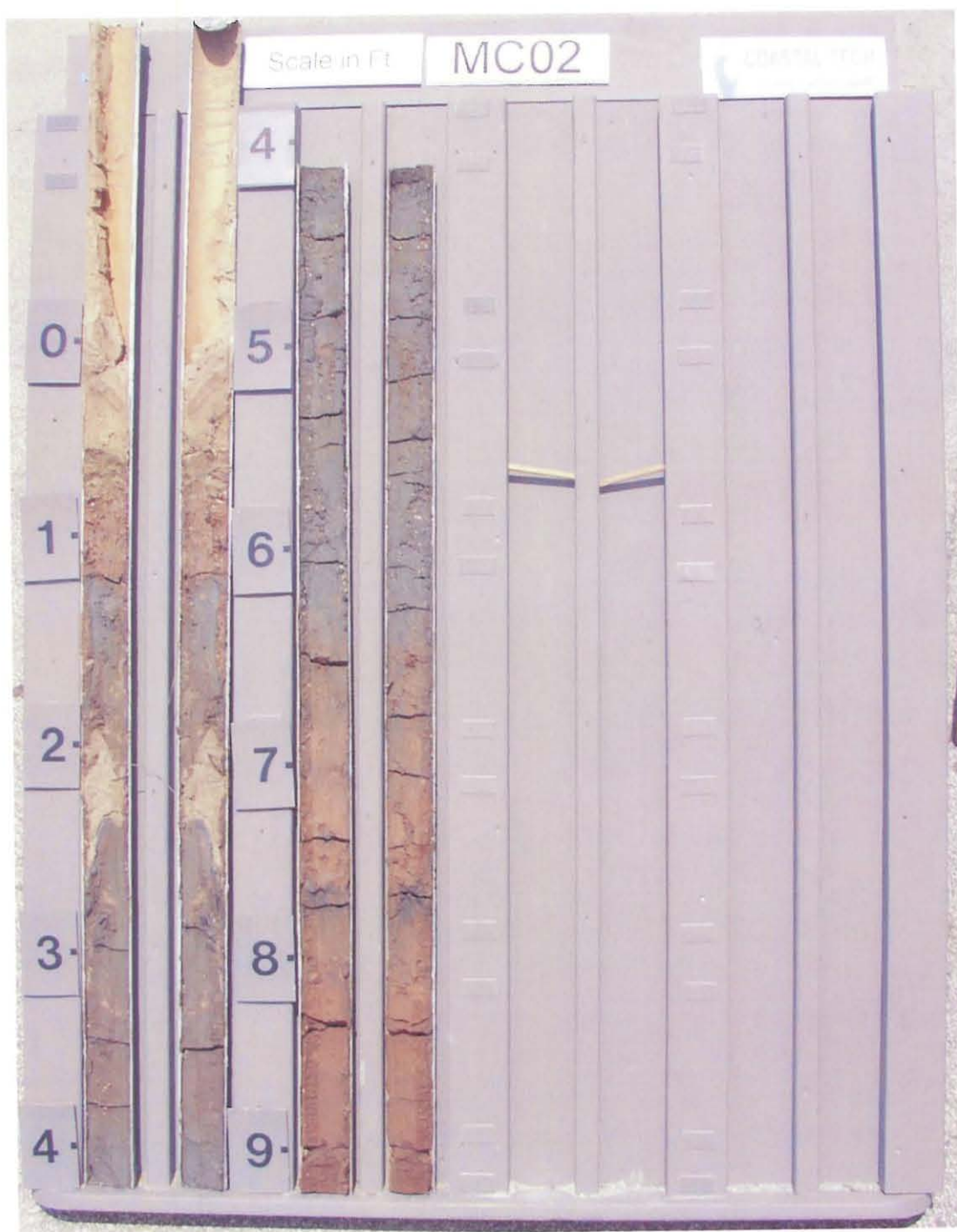


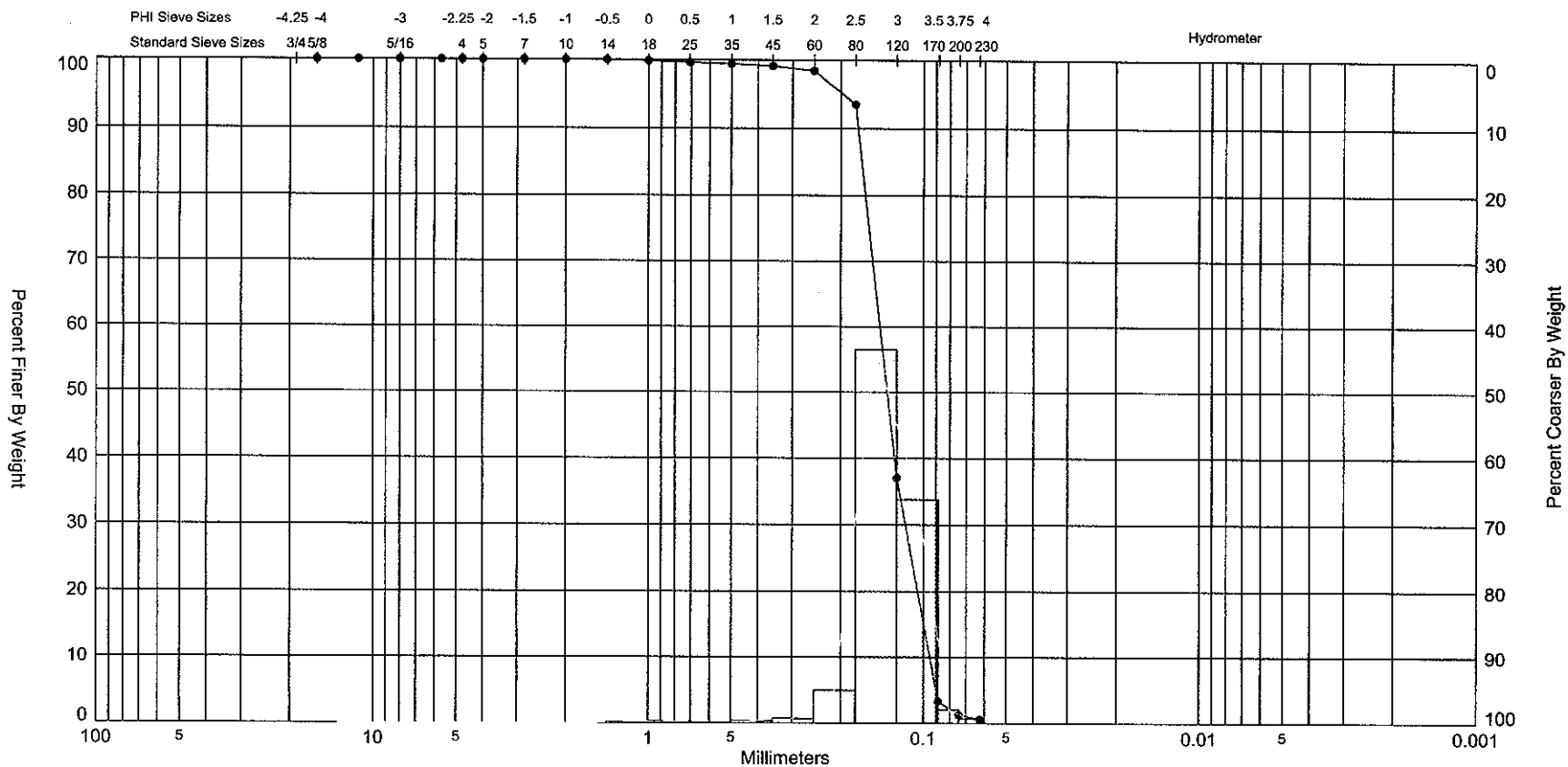
Boring Designation MC02

DRILLING LOG		DIVISION	INSTALLATION	SHEET 1
				OF 1 SHEETS
1. PROJECT Matagorda County Sand Search Matagorda County, Texas			9. SIZE AND TYPE OF BIT	
2. BORING DESIGNATION MC02			10. COORDINATE SYSTEM/DATUM UTM Zone 15	HORIZONTAL NAD 1927
3. DRILLING AGENCY Coastal Tech			11. MANUFACTURER'S DESIGNATION OF DRILL 3" Dia Vibracore	
4. NAME OF DRILLER Randy Parkinson.			☐ 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 N/A			14. ELEVATION GROUND WATER	
8. TOTAL DEPTH OF BORING 10.4 Ft.			15. DATE BORING	STARTED 05-12-05
			COMPLETED 05-12-05	
			16. ELEVATION TOP OF BORING 1.3 Ft.	
			17. TOTAL RECOVERY FOR BORING 9.7 Ft.	
			18. SIGNATURE AND TITLE OF INSPECTOR	

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS
1.3	0.0					
0.2	1.1		Fine grained, quartz, SAND, abrupt contact, yellow (10YR-7/6), (SP).		1	Sample #1, Depth = 0.5' - 0.8'
-0.4	1.7		Quartz sand and shell mixture in CLAY matrix, dark grayish brown (10YR-4/2), (ML).			
			Organic CLAY, sandy, quartz from 1.7'-4.0' dark brown (10YR-4/3), shelly from 4.5'-7.5', dark gray (10YR-4/1), gradational contact, dark gray (10YR-4/1), (OH).			
-6.2	7.5		Inorganic, plastic, CLAY, redish brown (2.5YR-4/4), (CL).			
-8.4	9.7		End of Boring			

FLORIDA DEP ROSS MATAGORDA COUNTY TEXAS.GPJ FL DEP ROSS.GDT 6/7/05





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	
MC02 #1	—●—	0.8'	SP	#200 - 1.23 #230 - 0.57	0.80	3.70	2.89	2.89	-2.04	16.12	0.39	Project Name:	Matagorda County Sand Search
Comments:												Analysis Date:	05-31-05
Depths and elevations based on measured values												Analyzed By:	WJD
 COASTAL TECH Coastal Geology & Sediments Laboratory												Easting (X, m):	10,446,137
												Northing (Y, m):	788,412
												Horizontal System:	NAD 1927
												Vertical System:	MWL (est.)
Coastal Tech 715 North Drive Suite G Melbourne, Florida 32934 ph 321 751 1135 fax													

Granulometric Report

Depths and elevations based on measured values

**COASTAL TECH**

Coastal Geology & Sediments Laboratory

Project Name: Matagorda County Sand Search

Sample Name: MC02 #1

Analysis Date: 05-31-05

Analyzed By: WJD

Coastal Tech
715 North Drive Suite G
Melbourne, Florida 32934
ph 321 751 1135
fax

Easting (m): 10,446,137	Northing (m): 788,412	Coordinate System: UTM Zone 15	Elevation (ft): 0.8' MWL (est.)
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USCS: SP	Munsell: Wet - 10YR-7/6	Comments:
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Dry Weight (g): 98.26	Wash Weight (g): 98.26	Pan Retained (g): 0.56	Sieve Loss (%): 0.00	Fines (%): #200 - 1.23 #230 - 0.57	Organics (%): 0.80	Carbonates (%): 3.70	Shells (%):
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Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained
5/8"	-4.00	16.00		0.00	0.00	0.00
11/16"	-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	0.15	0.15	0.15	0.15
25	0.50	0.71	0.22	0.22	0.37	0.38
35	1.00	0.50	0.20	0.20	0.57	0.58
45	1.50	0.35	0.30	0.31	0.87	0.89
60	2.00	0.25	0.66	0.67	1.53	1.56
80	2.50	0.18	4.84	4.93	6.37	6.48
120	3.00	0.13	55.49	56.47	61.86	62.96
170	3.50	0.09	33.17	33.76	95.03	96.71
200	3.75	0.07	2.02	2.06	97.05	98.77
230	4.00	0.06	0.65	0.66	97.70	99.43

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
3.47	3.31	3.18	2.89	2.66	2.58	2.35
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Statistics	2.89	0.13	0.39	-2.04	16.12	

GRANULOMETRIC REPORT MATAGORDA COUNTY TEXAS.GPJ FL DEP ROSS.GDT 6/7/05