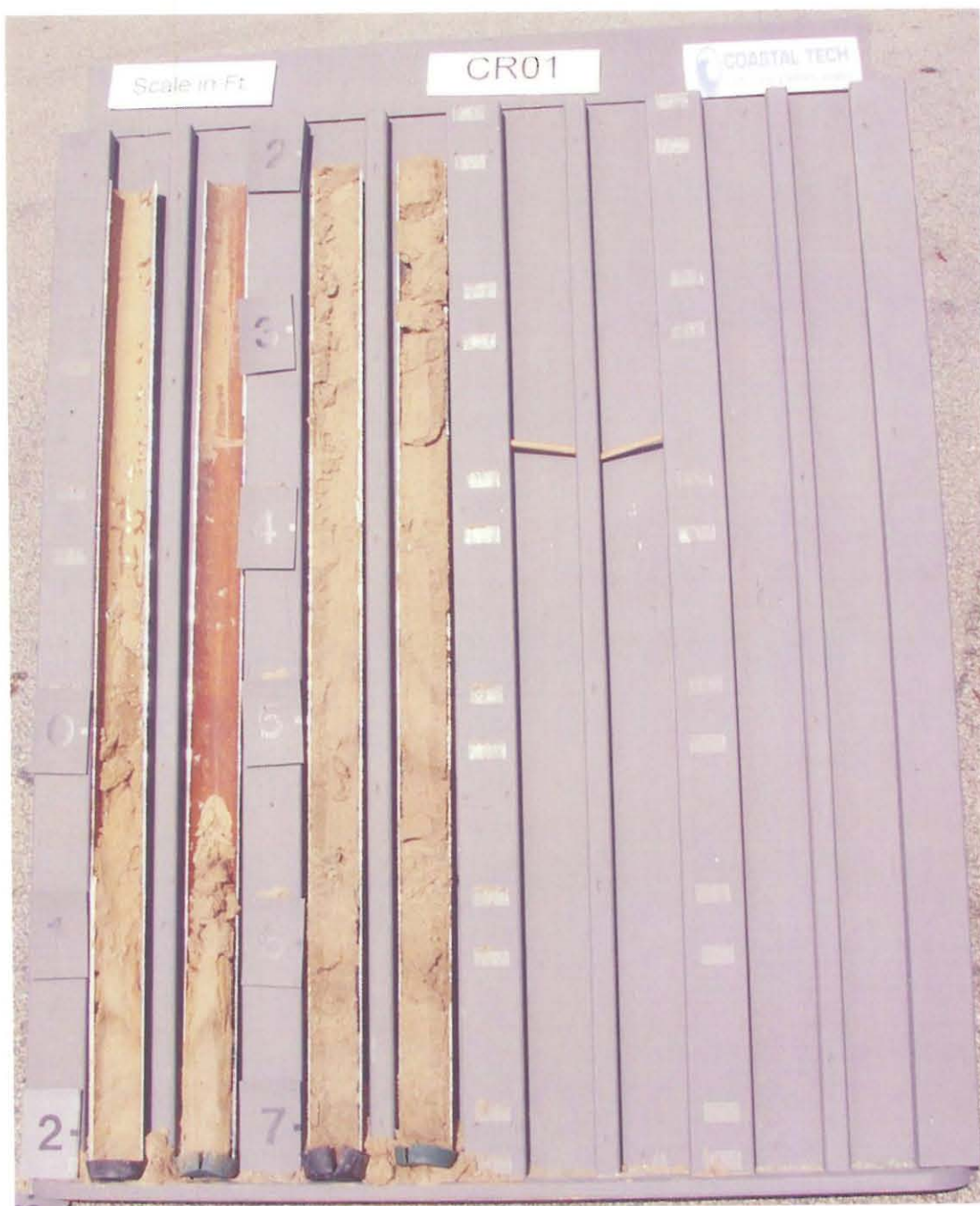


Boring Designation CR01

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 CR01			10. COORDINATE SYSTEM/DATUM UTM Zone 15	
3. DRILLING AGENCY Coastal Tech			11. MANUFACTURER'S DESIGNATION OF DRILL 3" Dia Vibracore and Auger	
4. NAME OF DRILLER Randy Parkinson,			12. TOTAL SAMPLES DISTURBED UNDISTURBED (UD)	
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED			13. TOTAL NUMBER CORE BOXES	
6. THICKNESS OF OVERBURDEN 0.0 Ft.			14. ELEVATION GROUND WATER	
7. DEPTH DRILLED INTO ROCK N/A			15. DATE BORING STARTED 05-12-05 COMPLETED 05-12-05	
8. TOTAL DEPTH OF BORING 10.7 Ft.			16. ELEVATION TOP OF BORING 0.5 Ft.	
			17. TOTAL RECOVERY FOR BORING 6.6 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
0.5	0.0					
0.0	0.5		Fine grained, quartz, SAND, augered interval 0.0'-0.5', contact obscured, yellow (10YR-7/6), (SP).			
			Fine grained, quartz, SAND, yellow (10YR-7/6), (SP).		1	Sample #1, Depth = 1.5' - 1.8' Core Interval 1.0-1.3'
-6.6	7.1				2	Sample #2, Depth = 6.5' - 6.8' Core Interval 6.0-6.3'
			End of Boring			

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



Granularmetric Report

Depths and elevations based on measured values

**COASTAL TECH**

Coastal Geology & Sediments Laboratory

Project Name: Matagorda County Sand Search

Sample Name: CR01 #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): 10,389,333	Northing (m): 684,124	Coordinate System: UTM Zone 15	Elevation (ft): -1.0' MWL (est.)
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USCS: SP	Munsell: Wet - 10YR-7/6	Comments:
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Dry Weight (g): 102.19	Wash Weight (g): 102.19	Pan Retained (g): 0.07	Sieve Loss (%): 0.00	Fines (%): #200 - 0.16 #230 - 0.07	Organics (%): 0.50	Carbonates (%): 5.00	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	0.13	0.13	0.13	0.13
18	0.00	1.00	0.27	0.26	0.40	0.39
25	0.50	0.71	0.39	0.38	0.79	0.77
35	1.00	0.50	0.72	0.70	1.51	1.48
45	1.50	0.35	1.36	1.33	2.87	2.81
60	2.00	0.25	5.75	5.63	8.62	8.44
80	2.50	0.18	41.98	41.08	50.60	49.52
120	3.00	0.13	40.75	39.88	91.35	89.39
170	3.50	0.09	10.05	9.83	101.40	99.23
200	3.75	0.07	0.63	0.62	102.03	99.84
230	4.00	0.06	0.09	0.09	102.12	99.93

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
3.29	2.93	2.82	2.51	2.20	2.09	1.69
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Statistics	2.49	0.18	0.49	-1.41	9.32	

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

Granularmetric Report

Depths and elevations based on measured values

**COASTAL TECH**

Coastal Geology & Sediments Laboratory

Project Name: Matagorda County Sand Search

Sample Name: CR01 #2

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): 10,389,333	Northing (m): 684,124	Coordinate System: UTM Zone 15	Elevation (ft): -6.0' MWL (est.)
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USCS: SP	Munsell: Wet - 10YR-7/6	Comments:
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Dry Weight (g): 92.03	Wash Weight (g): 92.03	Pan Retained (g): 0.72	Sieve Loss (%): 0.00	Fines (%): #200 - 2.13 #230 - 0.78	Organics (%): 1.50	Carbonates (%): 7.70	Shells (%):
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	0.21	0.23	0.21	0.23	
7	-1.50	2.83	0.19	0.21	0.40	0.43	
10	-1.00	2.00	0.17	0.18	0.57	0.62	
14	-0.50	1.41	0.48	0.52	1.05	1.14	
18	0.00	1.00	0.60	0.65	1.65	1.79	
25	0.50	0.71	0.77	0.84	2.42	2.63	
35	1.00	0.50	0.93	1.01	3.35	3.64	
45	1.50	0.35	0.78	0.85	4.13	4.49	
60	2.00	0.25	4.51	4.90	8.64	9.39	
80	2.50	0.18	18.02	19.58	26.66	28.97	
120	3.00	0.13	34.17	37.13	60.83	66.10	
170	3.50	0.09	26.63	28.94	87.46	95.03	
200	3.75	0.07	2.61	2.84	90.07	97.87	
230	4.00	0.06	1.24	1.35	91.31	99.22	

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
3.50	3.31	3.15	2.78	2.40	2.17	1.55
Moment Statistics	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
	2.67	0.16	0.75	-2.53	13.16	

GRANULARMETRIC REPORT MATAGORDA COUNTY TEXAS.GPJ FL DEP ROSS.GDT 8/7/05

The graph displays two data series: a smooth curve and a step function, both representing the cumulative distribution of particle sizes. The x-axis is logarithmic, with major ticks at 100, 5, 1, 0.5, 0.25, 0.1, 0.05, 0.025, 0.01, 0.005, and 0.001 mm. The y-axis is linear, ranging from 0 to 100 percent. The smooth curve starts at 100% finer for 100 mm and drops sharply between 2.5 mm and 0.075 mm. The step function follows a similar trend but with discrete steps at specific sieve sizes.

Millimeters	Percent Finer (Smooth Curve)	Percent Finer (Step Function)
100	100	100
5	100	100
1	100	100
0.5	100	100
0.25	100	100
0.1	100	100
0.075	100	100
0.06	100	100
0.05	100	100
0.04	100	100
0.03	100	100
0.025	100	100
0.02	100	100
0.015	100	100
0.01	100	100
0.0075	100	100
0.006	100	100
0.005	100	100
0.004	100	100
0.003	100	100
0.0025	100	100
0.002	100	100
0.0015	100	100
0.001	100	100
0.00075	100	100
0.0006	100	100
0.0005	100	100
0.0004	100	100
0.0003	100	100
0.00025	100	100
0.0002	100	100
0.00015	100	100
0.0001	100	100
0.000075	100	100
0.00006	100	100
0.00005	100	100
0.00004	100	100
0.00003	100	100
0.000025	100	100
0.00002	100	100
0.000015	100	100
0.00001	100	100
0.0000075	100	100
0.000006	100	100
0.000005	100	100
0.000004	100	100
0.000003	100	100
0.0000025	100	100
0.000002	100	100
0.0000015	100	100
0.000001	100	100
0.00000075	100	100
0.0000006	100	100
0.0000005	100	100
0.0000004	100	100
0.0000003	100	100
0.00000025	100	100
0.0000002	100	100
0.00000015	100	100
0.0000001	100	100
0.000000075	100	100
0.00000006	100	100
0.00000005	100	100
0.00000004	100	100
0.00000003	100	100
0.000000025	100	100
0.00000002	100	100
0.000000015	100	100
0.00000001	100	100
0.0000000075	100	100
0.000000006	100	100
0.000000005	100	100
0.000000004	100	100
0.000000003	100	100
0.0000000025	100	100
0.000000002	100	100
0.0000000015	100	100
0.000000001	100	100
0.00000000075	100	100
0.0000000006	100	100
0.0000000005	100	100
0.0000000004	100	100
0.0000000003	100	100
0.00000000025	100	100
0.0000000002	100	100
0.00000000015	100	100
0.0000000001	100	100
0.000000000075	100	100
0.00000000006	100	100
0.00000000005	100	100
0.00000000004	100	100
0.00000000003	100	100
0.000000000025	100	100
0.00000000002	100	100
0.000000000015	100	100
0.0		

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	
CR01 #1		-1.0'	SP	#200 - 0.16 #230 - 0.07	0.50	5.00	2.51	2.49	-1.41	9.32	0.49	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						Coastal Tech 715 North Drive Suite G Melbourne, Florida 32934 ph 321 751 1135 fax						Easting (X, m):	10,389,333
												Northing (Y, m):	684,124
												Horizontal System:	NAD 1927
												Vertical System:	MWL (est.)

