Boring Designation SB02

DRILLING LOG	DIVISION	INSTALLATION	SHEET 1 OF 1 SHEETS

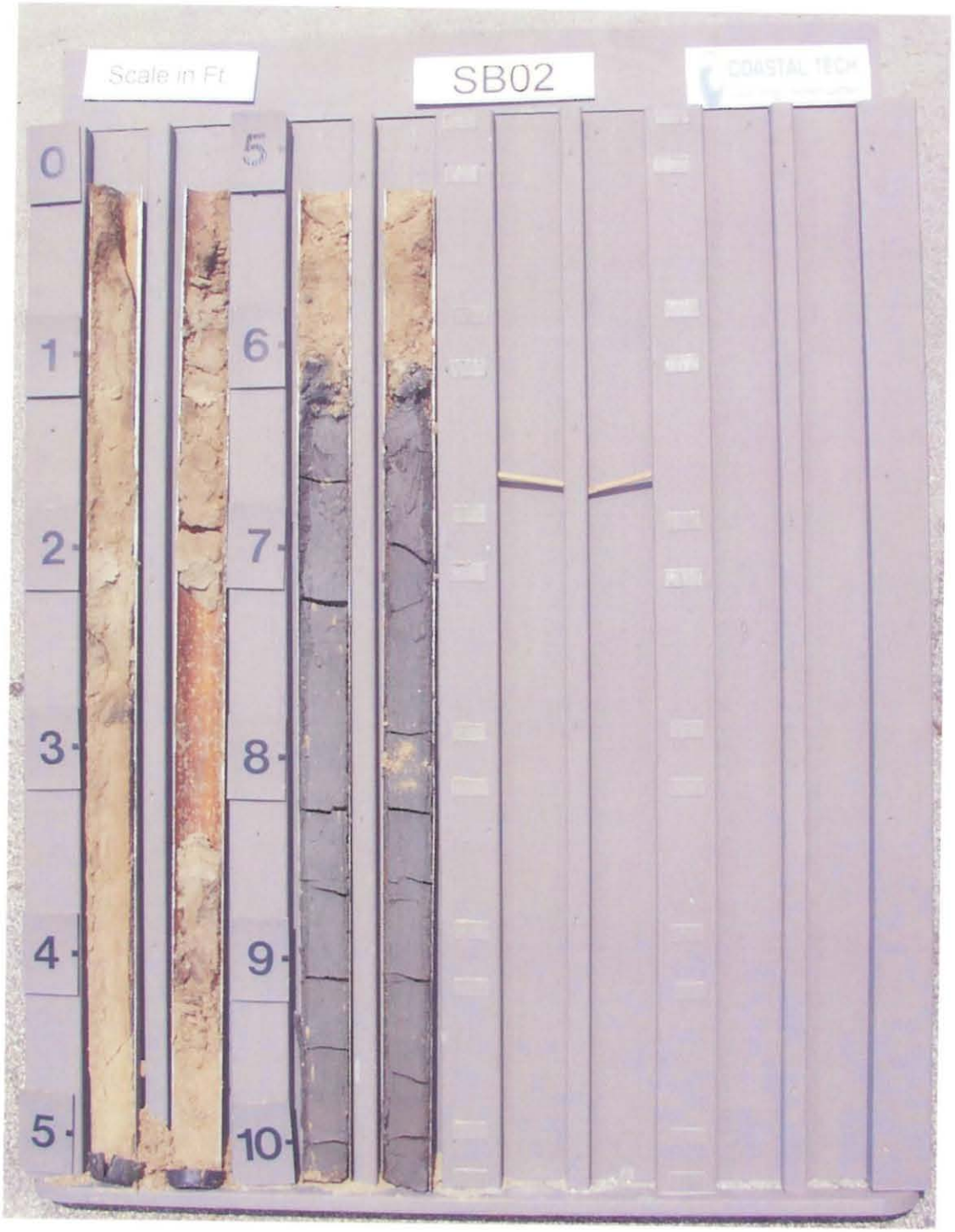
1. PROJECT Matagorda County Sand Search Matagorda County, Texas		9. SIZE AND TYPE OF BIT	
		10. COORDINATE SYSTEM/DATUM UTM Zone 15	HORIZONTAL NAD 1927 / VERTICAL MWL (est.)
2. BORING DESIGNATION SB02	LOCATION COORDINATES X = 10,478,270 ft Y = 854,496 ft	11. MANUFACTURER'S DESIGNATION OF DRILL 3" Dia Vibracore	☐ AUTO HAMMER ☐ MANUAL HAMMER
3. DRILLING AGENCY Coastal Tech	CONTRACTOR FILE NO.	12. TOTAL SAMPLES	DISTURBED / UNDISTURBED (UD)
4. NAME OF DRILLER Randy Parkinson.		13. TOTAL NUMBER CORE BOXES	
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED	DEG. FROM VERTICAL / BEARING	14. ELEVATION GROUND WATER	
		15. DATE BORING	STARTED 05-10-05 / COMPLETED 05-10-05
6. THICKNESS OF OVERBURDEN 0.0 Ft.		16. ELEVATION TOP OF BORING -1.5 Ft.	
7. DEPTH DRILLED INTO ROCK N/A		17. TOTAL RECOVERY FOR BORING 10.5 Ft.	
8. TOTAL DEPTH OF BORING 11.0 Ft.		18. SIGNATURE AND TITLE OF INSPECTOR	

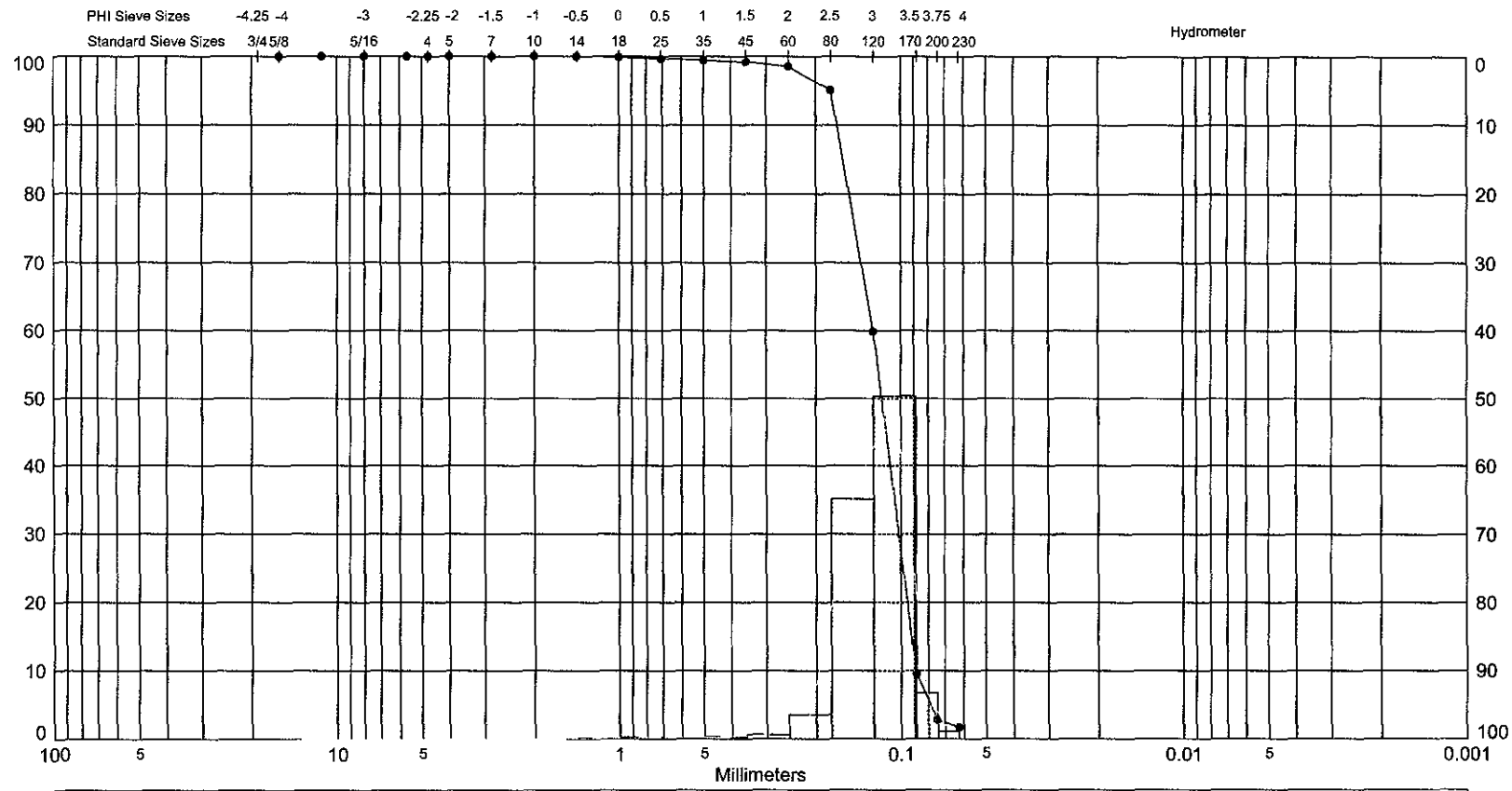
ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS
-1.5	0.0					
			Fine grained, quartz, SAND, clayey at 0.5' and at 2.5' -2.7' (SC), oyster shell at base, sharp contact, yellow (10YR-7/6), (SP).		1	Sample #1, Depth = 1.0' - 1.3'
-7.4	5.9				2	Sample #2, Depth = 5.5' - 5.8'
			Organic, plastic, CLAY, dark gray (10YR-4/1), (OH).			
-12.0	10.5					
			End of Boring			

0 5 10 15 20 25

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

SAJ FORM 1836 MODIFIED FOR THE FLORIDA DEP
JUN 02 JUN 04


Scale in Ft
SB02
0
1
2
3
4
5
5
6
7
8
9
10



Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort
SB02 #1	—●—	-2.5'	SP	#200 - 2.82 #230 - 1.69	0.80	4.70	3.1	3.04	-2.23	15.55	0.41

Comments:

Depths and elevations based on measured values

Sample Information	
Project Name:	Matagorda County Sand Search
Analysis Date:	05-31-05
Analyzed By:	WJD
Easting (X, m):	10,478,270
Northing (Y, m):	854,496
Horizontal System:	NAD 1927
Vertical System:	MWL (est.)

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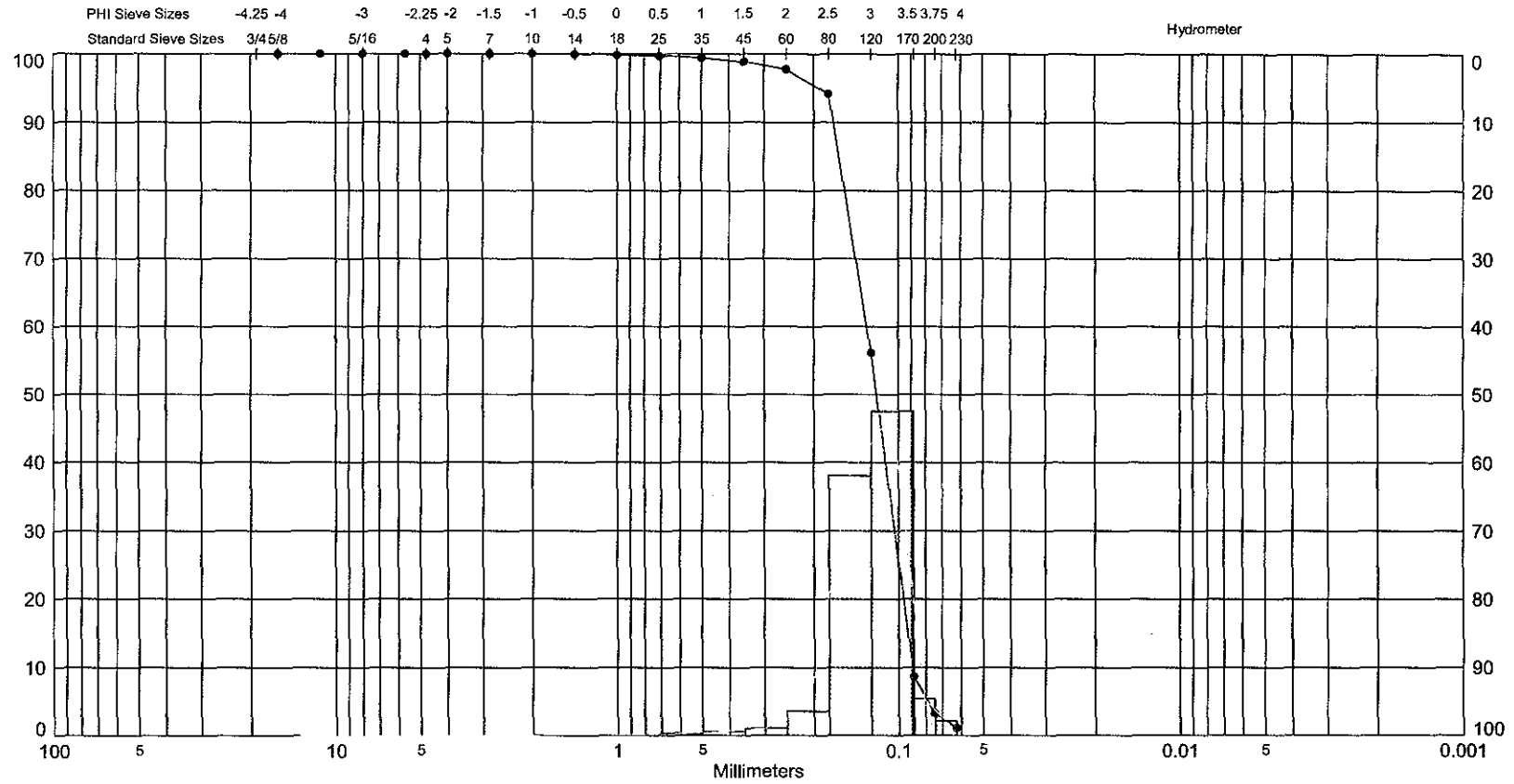
SIEVE ANALYSIS MATAGORDA COUNTY TEXAS.GPJ FL DEP ROSS.GDT 6/7/05



Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort
SB02 #2	—●—	-7.0'	SP	#200 - 3.25 #230 - 1.13	0.90	5.00	3.06	3.01	-2.1	14.32	0.44

Comments:

Depths and elevations based on measured values

Sample Information	
Project Name:	Matagorda County Sand Search
Analysis Date:	05-31-05
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Easting (X, m):	10,478,270
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SIEVE ANALYSIS MATAGORDA COUNTY TEXAS.GPJ FL DEP ROSS.GDT 6/7/05

Granularmetric Report

Depths and elevations based on measured values

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Project Name: Matagorda County Sand Search
Sample Name: SB02 #1
Analysis Date: 05-31-05
Analyzed By: WJD

Easting (m):	Northing (m):	Coordinate System:	Elevation (ft):
10,478,270	854,496	UTM Zone 15	-2.5' MWL (est.)

USCS:	Munsell:	Comments:
SP	Wet - 10YR-7/6	

Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
91.82	91.82	1.55	0.00	#200 - 2.82 #230 - 1.69	0.80	4.70	

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	0.02	0.02	0.02	0.02
18	0.00	1.00	0.10	0.11	0.12	0.13
25	0.50	0.71	0.21	0.23	0.33	0.36
35	1.00	0.50	0.19	0.21	0.52	0.57
45	1.50	0.35	0.25	0.27	0.77	0.84
60	2.00	0.25	0.56	0.61	1.33	1.45
80	2.50	0.18	3.22	3.51	4.55	4.96
120	3.00	0.13	32.28	35.16	36.83	40.11
170	3.50	0.09	46.21	50.33	83.04	90.44
200	3.75	0.07	6.19	6.74	89.23	97.18
230	4.00	0.06	1.04	1.13	90.27	98.31

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
3.67	3.44	3.35	3.10	2.79	2.66	2.50

Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis
Statistics	3.04	0.12	0.41	-2.23	15.55

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

Coastal Tech
715 North Drive Suite G
Melbourne, Florida 32934
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Project Name: Matagorda County Sand Search
Sample Name: SB02 #2
Analysis Date: 05-31-05
Analyzed By: WJD

Easting (m):	Northing (m):	Coordinate System:	Elevation (ft):
10,478,270	854,496	UTM Zone 15	-7.0' MWL (est.)

USCS:	Munsell:	Comments:
SP	Wet - 10YR-4/1	

Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
96.78	96.78	1.09	0.00	#200 - 3.25 #230 - 1.13	0.90	5.00	

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	0.06	0.06	0.06	0.06
18	0.00	1.00	0.12	0.12	0.18	0.19
25	0.50	0.71	0.11	0.11	0.29	0.30
35	1.00	0.50	0.27	0.28	0.56	0.58
45	1.50	0.35	0.54	0.56	1.10	1.14
60	2.00	0.25	1.03	1.06	2.13	2.20
80	2.50	0.18	3.47	3.59	5.60	5.79
120	3.00	0.13	36.84	38.07	42.44	43.85
170	3.50	0.09	45.97	47.50	88.41	91.35
200	3.75	0.07	5.22	5.39	93.63	96.75
230	4.00	0.06	2.06	2.13	95.69	98.87

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
3.67	3.42	3.33	3.06	2.75	2.63	2.39

Moment Statistics	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis
	3.01	0.12	0.44	-2.1	14.32

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