

Boring Designation SB01

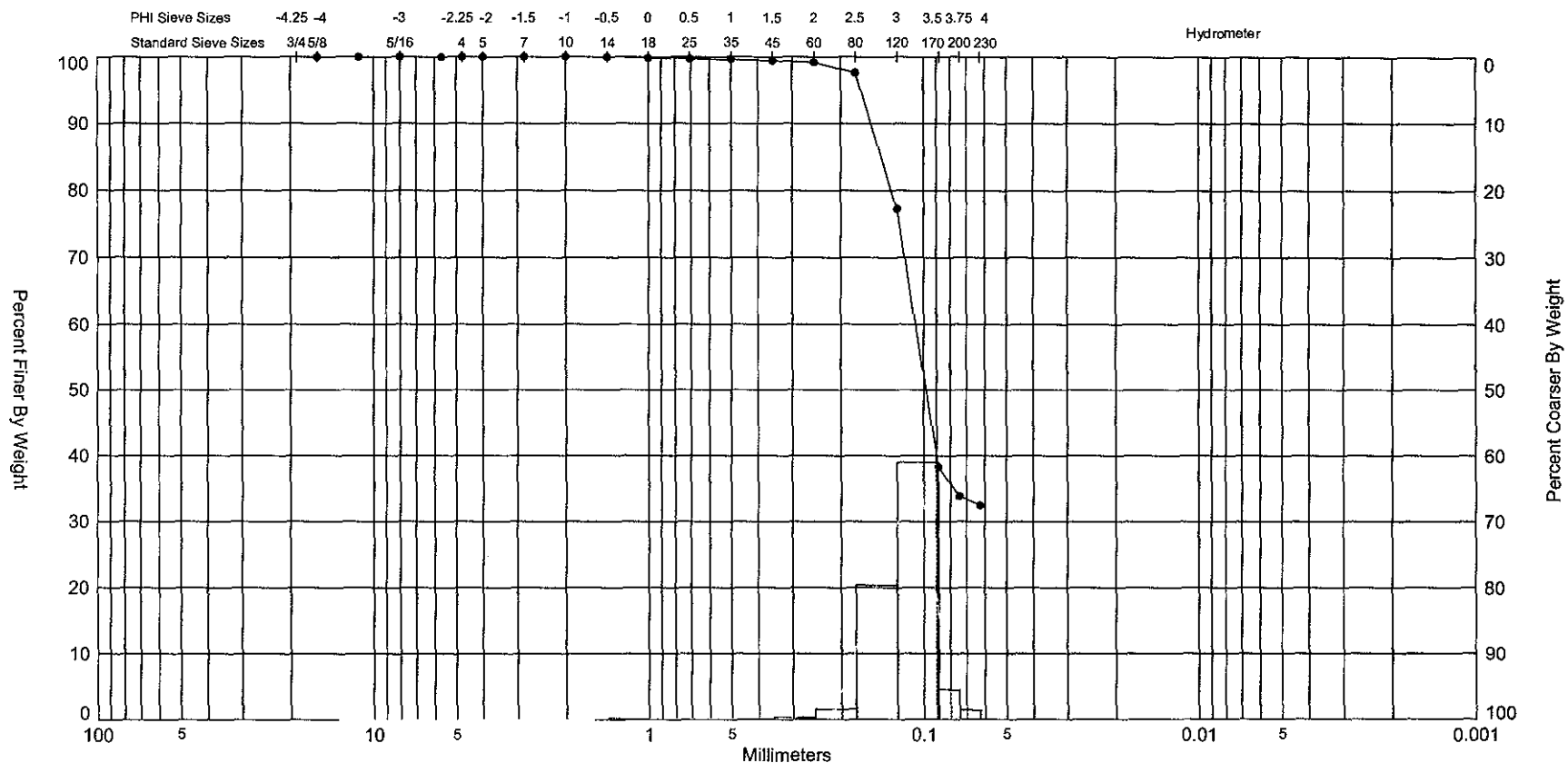
DRILLING LOG		DIVISION	INSTALLATION	SHEET 1
1. PROJECT Matagorda County Sand Search Matagorda County, Texas			9. SIZE AND TYPE OF BIT	
2. BORING DESIGNATION SB01		LOCATION COORDINATES X = 10,477,987 ft Y = 854,018 ft	10. COORDINATE SYSTEM/DATUM UTM Zone 15	HORIZONTAL NAD 1927
3. DRILLING AGENCY Coastal Tech		CONTRACTOR FILE NO.	11. MANUFACTURER'S DESIGNATION OF DRILL 3" Dia Vibracore	
4. NAME OF DRILLER Randy Parkinson.		12. TOTAL SAMPLES		
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED		DEG. FROM VERTICAL	BEARING	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 05-10-05		
8. TOTAL DEPTH OF BORING 11.0 Ft.		16. ELEVATION TOP OF BORING -1.0 Ft.		
		17. TOTAL RECOVERY FOR BORING 9 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
-1.0	0.0					
			Fine grained, quartz, SAND, sharp contact, yellow (10YR-7/6), (SP).		1	Sample #1, Depth = 0.5' - 0.8'
-8.5	7.5				2	Sample #2, Depth = 7.0' - 7.3'
-9.5	8.5		CLAY, with sand filled verticle burrows (1cm) at top 0.5', organic-rich and plastic gradational contact, dark gray (10YR-4/1), (OH).			
-10.0	9.0		Inorganic and plastic, CLAY, redish brown (2.5YR-4/4), (CL).			
			End of Boring			

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

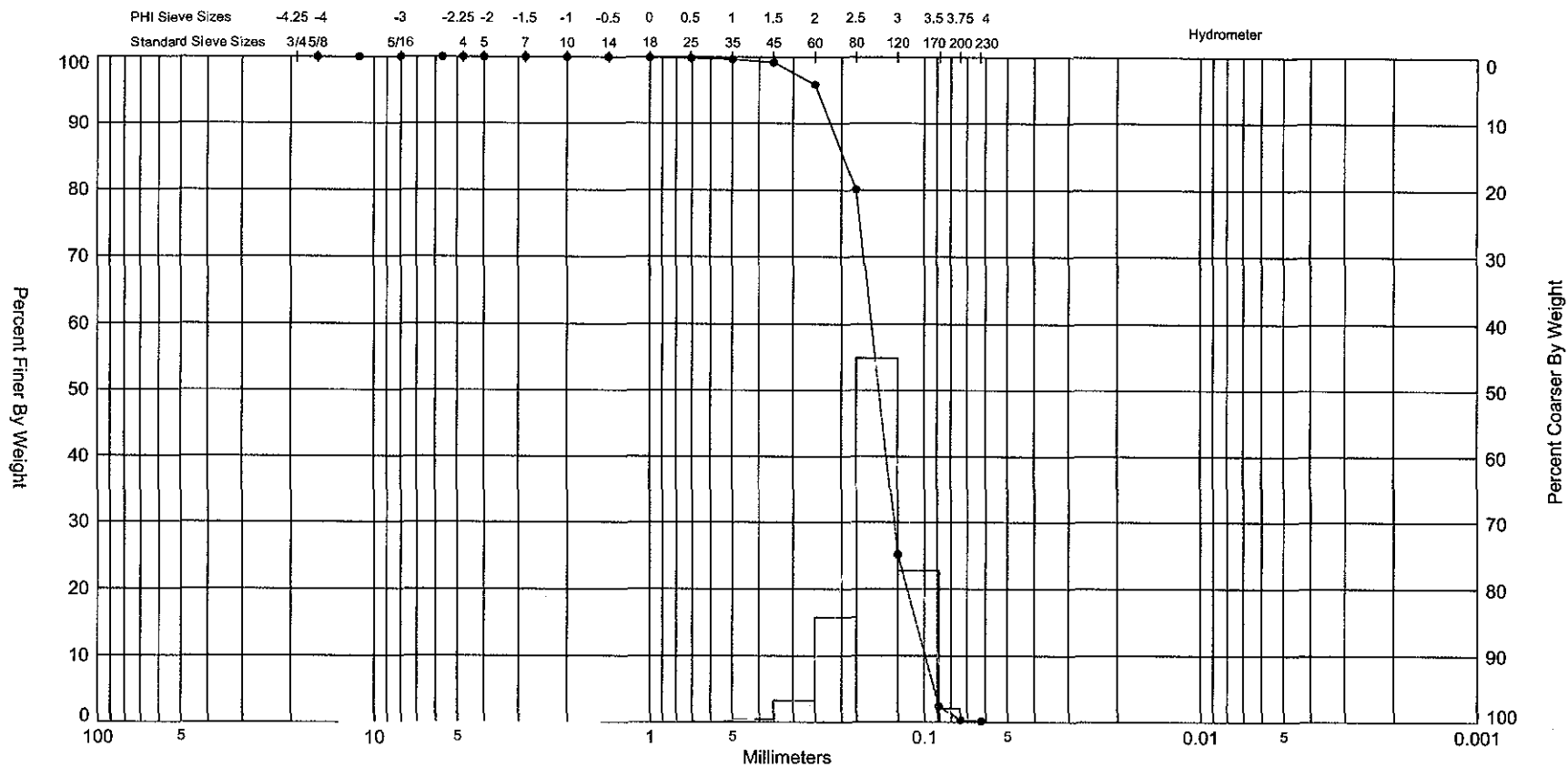


SIEVE ANALYSIS MATAGORDA COUNTY TEXAS.GPJ FL DEP ROSS.GDT 6/7/05



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	
SB01 #1		-1.5'	SP	#200 - 33.83 #230 - 2.61			3.15	3.08	-2.8	21.09	0.41	Project Name:	Matagorda County Sand Search
Comments:												Analysis Date:	05-31-05
Depths and elevations based on measured values												Analyzed By:	
 COASTAL TECH Coastal Geology & Sediments Laboratory						Coastal Tech 715 North Drive Suite G Melbourne, Florida 32934 ph 321 751 1135 fax						Easting (X, m):	10,477,987
												Northing (Y, m):	854,018
												Horizontal System:	NAD 1927
												Vertical System:	MWL (est.)



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	
SB01 #2	—●—	-8.0'		#200 - 0.34 #230 - 32.46	0.70	5.10	3.35	3.08	-2.8	21.09	0.41	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):	10,477,987
												Northing (Y, m):	854,018
												Horizontal System:	NAD 1927
												Vertical System:	MWL (est.)
Coastal Tech 715 North Drive Suite G Melbourne, Florida 32934 ph 321 751 1135 fax													

Granularmetric Report

Depths and elevations based on measured values

**COASTAL TECH**

Coastal Geology & Sediments Laboratory

Project Name: Matagorda County Sand Search

Sample Name: SB01 #1

Analysis Date: 05-31-05

Analyzed By:

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

Easting (m):

10,477,987

Northing (m):

854,018

Coordinate System:

UTM Zone 15

Elevation (ft):

-1.5' MWL (est.)

USCS:

SP

Munsell:

Wet - 10YR-7/6

Comments:

Dry Weight (g):

68.99

Wash Weight (g):

68.99

Pan Retained (g):

-28.20

Sieve Loss (%):

43.48

Fines (%):

#200 - 33.83
#230 - 2.61

Organics (%):

Carbonates (%):

Shells (%):

Sieve Number

Sieve Size
(Phi)Sieve Size
(Millimeters)Grams
Retained% Weight
RetainedCum. Grams
RetainedC. % 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

0.15

0.15

0.17

0.17

25

0.50

0.71

0.12

0.12

0.29

0.29

35

1.00

0.50

0.12

0.12

0.41

0.41

45

1.50

0.35

0.15

0.15

0.56

0.56

60

2.00

0.25

0.27

0.27

0.83

0.83

80

2.50

0.18

1.52

1.53

2.35

2.36

120

3.00

0.13

20.24

20.35

22.59

22.71

170

3.50

0.09

38.79

38.99

61.38

61.70

200

3.75

0.07

4.45

4.47

65.83

66.17

230

4.00

0.06

1.36

1.37

67.19

67.54

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

3.35

3.03

2.84

2.56

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

3.08

0.12

0.41

-2.8

21.09

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

Granulometric Report

Depths and elevations based on measured values



COASTAL TECH

Coastal Geology & Sediments Laboratory

Project Name: Matagorda County Sand Search

Sample Name: SB01 #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): 10,477,987	Northing (m): 854,018	Coordinate System: UTM Zone 15	Elevation (ft): -8.0' MWL (est.)
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USCS:	Munsell: Wet - 10YR-4/1	Comments:
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Dry Weight (g): 99.48	Wash Weight (g): 99.48	Pan Retained (g): 0.15	Sieve Loss (%): 0.00	Fines (%): #200 - 0.34 #230 - 32.46	Organics (%): 0.70	Carbonates (%): 5.10	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	0.02	0.02	0.02	0.02
18	0.00	1.00	0.08	0.08	0.10	0.10
25	0.50	0.71	0.08	0.08	0.18	0.18
35	1.00	0.50	0.16	0.16	0.34	0.34
45	1.50	0.35	0.47	0.47	0.81	0.81
60	2.00	0.25	3.26	3.28	4.07	4.09
80	2.50	0.18	15.74	15.82	19.81	19.91
120	3.00	0.13	54.62	54.91	74.43	74.82
170	3.50	0.09	22.63	22.75	97.06	97.57
200	3.75	0.07	2.08	2.09	99.14	99.66
230	4.00	0.06	0.19	0.19	99.33	99.85

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
3.44	3.20	3.00	2.77	2.55	2.38	2.03
Moment Statistics	Mean Phi 3.08	Mean mm 0.12	Sorting 0.41	Skewness -2.8	Kurtosis 21.09	

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