

Boring Designation PA99-01

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 PA99-01		LOCATION COORDINATES X = 10,448,134 ft Y = 795,858 ft		10. COORDINATE SYSTEM/DATUM UTM Zone 15		HORIZONTAL NAD 1927	VERTICAL Observational
3. DRILLING AGENCY Coastal Tech		CONTRACTOR FILE NO.		11. MANUFACTURER'S DESIGNATION OF DRILL Auger		☐ AUTO HAMMER ☐ MANUAL HAMMER	
4. NAME OF DRILLER Randy Parkinson				12. TOTAL SAMPLES		DISTURBED	UNDISTURBED (UD)
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 05-14-05		STARTED 05-14-05	COMPLETED 05-14-05
8. TOTAL DEPTH OF BORING 7.0 Ft.				16. ELEVATION TOP OF BORING Not Determined			
				17. TOTAL RECOVERY FOR BORING 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	
	0.0						0
			Fine grained, quartz, SAND, yellow (10YR-7/6), (SP).		1	Sample #1, Depth = 0.0' - 1.0'	
	7.0				2	Sample #2, Depth = 6.0' - 7.0'	
			End of Boring				10
							15
							20
							25

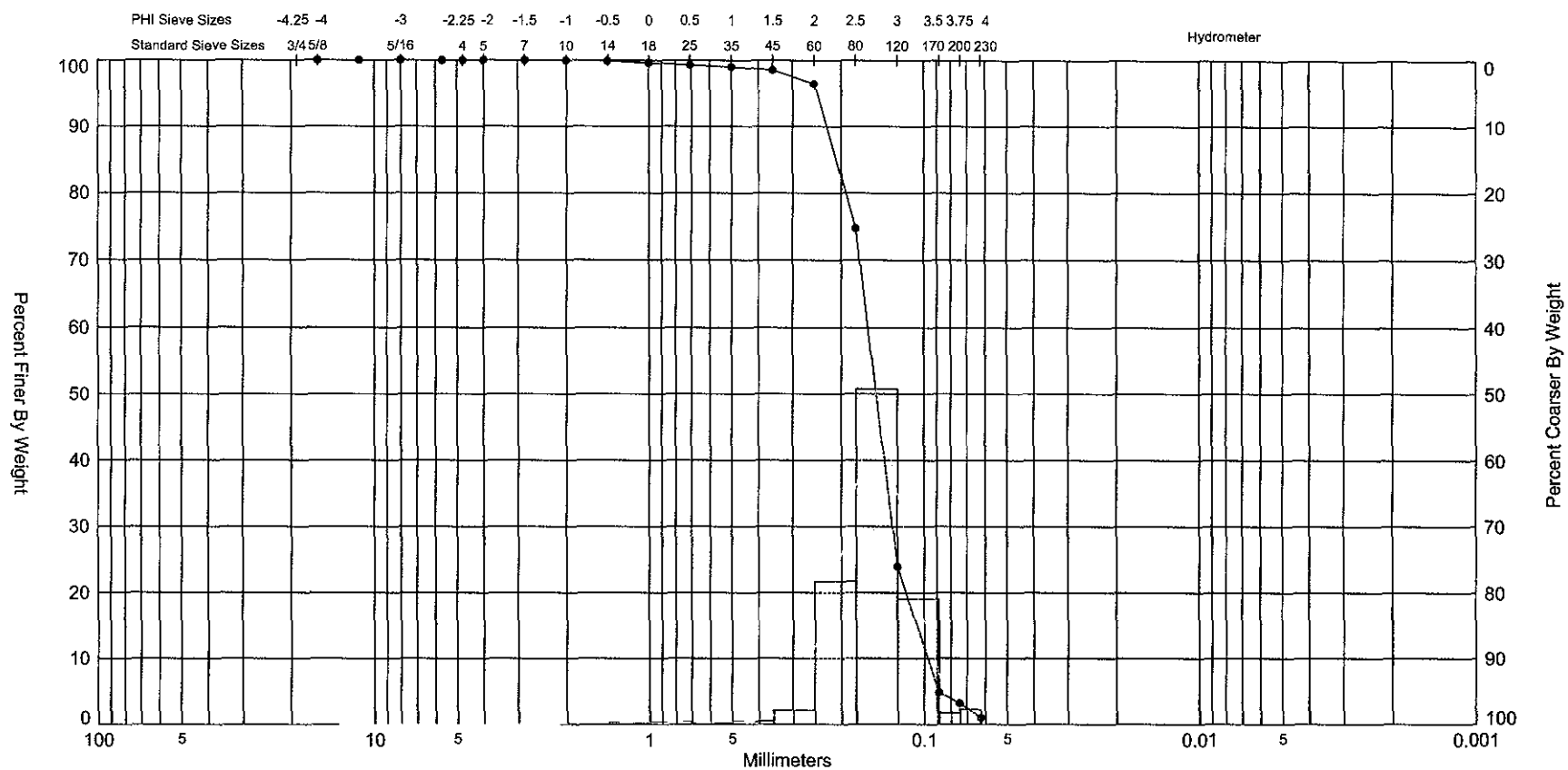
FLORIDA DEP ROSS MATAGORDA COUNTY TEXAS.GPJ FL DEP ROSS.GDT 6/7/05

The graph displays the grain size distribution of a soil sample. The x-axis is labeled 'Millimeters' and ranges from 100 to 0.001 on a logarithmic scale. The left y-axis is labeled 'Percent Finer By Weight' and ranges from 0 to 100. The right y-axis is labeled 'Percent Coarser By Weight' and ranges from 100 to 0. The graph includes a histogram of the sample data and a smooth curve representing the standard gradation for a 'Type II' material. The histogram shows a primary peak between 0.075 mm and 0.15 mm, with smaller amounts of material between 0.3 mm and 0.6 mm. The smooth curve starts at 100% finer for 100 mm and drops sharply after 0.425 mm, reaching 0% finer at 0.075 mm.

Millimeters	Percent Finer By Weight (Sample)	Percent Finer By Weight (Type II)
100	100	100
75	100	100
60	100	100
47.5	100	100
37.5	100	100
30	100	100
25	100	100
20	100	100
15	100	100
12.5	100	100
10	100	100
7.5	100	100
6	100	100
4.75	100	100
3.75	100	100
3	100	100
2.5	100	100
2	100	100
1.5	100	100
1.18	100	100
0.85	100	100
0.75	100	100
0.6	100	100
0.425	100	100
0.3	100	100
0.25	100	100
0.2	100	100
0.15	100	100
0.106	100	100
0.075	100	100
0.06	100	100
0.0475	100	100
0.0375	100	100
0.03	100	100
0.025	100	100
0.02	100	100
0.015	100	100
0.0125	100	100
0.0106	100	100
0.0085	100	100
0.0075	100	100
0.006	100	100
0.00475	100	100
0.00375	100	100
0.003	100	100
0.0025	100	100
0.002	100	100
0.0015	100	100
0.00125	100	100
0.00106	100	100
0.00085	100	100
0.00075	100	100
0.0006	100	100
0.000475	100	100
0.000375	100	100
0.0003	100	100
0.00025	100	100
0.0002	100	100
0.00015	100	100
0.000125	100	100
0.000106	100	100
0.000085	100	100
0.000075	100	100
0.00006	100	100
0.0000475	100	100
0.0000375	100	100
0.00003	100	100
0.000025	100	100
0.00002	100	100
0.000015	100	100
0.0000125	100	100
0.0000106	100	100
0.0000085	100	100
0.0000075	100	100
0.000006	100	100
0.00000475	100	100
0.00000375	100	100
0.000003	100	100
0.0000025	100	100
0.000002	100	100
0.0000015	100	100
0.00000125	100	100
0.00000106	100	100
0.00000085	100	100
0.00000075	100	100
0.0000006	100	100
0.000000475	100	100
0.000000375	100	100
0.0000003	100	100
0.00000025	100	100
0.0000002	100	100
0.00000015	100	100
0.000000125	100	100
0.000000106	100	100
0.000000085	100	100
0.000000075	100	100
0.00000006	100	100
0.0000000		

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	
PA99-01 #1			SP	#200 - 1.27 #230 - 0.90	0.60	3.00	2.59	2.55	-1.13	7.96	0.51	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):	10,448,134
												Northing (Y, m):	795,858
												Horizontal System:	NAD 1927
												Vertical System:	Observational



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	
PA99-01 #2			SP	#200 - 3.17 #230 - 0.97	1.00	6.60	2.74	2.72	-1.45	11.15	0.5	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):	10,448,134
												Northing (Y, m):	795,858
												Horizontal System:	NAD 1927
												Vertical System:	Observational

Granulometric Report

Depths and elevations based on measured values

**COASTAL TECH**

Coastal Geology & Sediments Laboratory

Project Name: Matagorda County Sand Search

Sample Name: PA99-01 #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):

10,448,134

Northing (m):

795,858

Coordinate System:

UTM Zone 15

Elevation (ft):

USCS:

SP

Munsell:

Wet - 10YR-7/6

Comments:

Dry Weight (g):

113.11

Wash Weight (g):

113.11

Pan Retained (g):

1.02

Sieve Loss (%):

0.00

Fines (%):

#200 - 1.27
#230 - 0.90

Organics (%):

0.60

Carbonates (%):

3.00

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

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

0.16

0.14

0.16

0.14

18

0.00

1.00

0.17

0.15

0.33

0.29

25

0.50

0.71

0.29

0.26

0.62

0.55

35

1.00

0.50

0.64

0.57

1.26

1.11

45

1.50

0.35

1.39

1.23

2.65

2.34

60

2.00

0.25

7.64

6.75

10.29

9.10

80

2.50

0.18

37.90

33.51

48.19

42.60

120

3.00

0.13

47.91

42.36

96.10

84.96

170

3.50

0.09

14.09

12.46

110.19

97.42

200

3.75

0.07

1.48

1.31

111.67

98.73

230

4.00

0.06

0.42

0.37

112.09

99.10

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

3.40

2.99

2.88

2.59

2.24

2.10

1.70

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

2.55

0.17

0.51

-1.13

7.96

GRANULOMETRIC 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: PA99-01 #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):

10,448,134

Northing (m):

795,858

Coordinate System:

UTM Zone 15

Elevation (ft):

USCS:

SP

Munsell:

Wet - 10YR-7/6

Comments:

Dry Weight (g):

111.29

Wash Weight (g):

111.29

Pan Retained (g):

1.08

Sieve Loss (%):

0.00

Fines (%):

#200 - 3.17
#230 - 0.97

Organics (%):

1.00

Carbonates (%):

6.60

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

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

0.15

0.13

0.15

0.13

18

0.00

1.00

0.28

0.25

0.43

0.39

25

0.50

0.71

0.35

0.31

0.78

0.70

35

1.00

0.50

0.33

0.30

1.11

1.00

45

1.50

0.35

0.53

0.48

1.64

1.47

60

2.00

0.25

2.31

2.08

3.95

3.55

80

2.50

0.18

24.14

21.69

28.09

25.24

120

3.00

0.13

56.54

50.80

84.63

76.04

170

3.50

0.09

21.24

19.09

105.87

95.13

200

3.75

0.07

1.89

1.70

107.76

96.83

230

4.00

0.06

2.45

2.20

110.21

99.03

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

3.50

3.21

2.99

2.74

2.49

2.29

2.03

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

2.72

0.15

0.5

-1.45

11.15

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