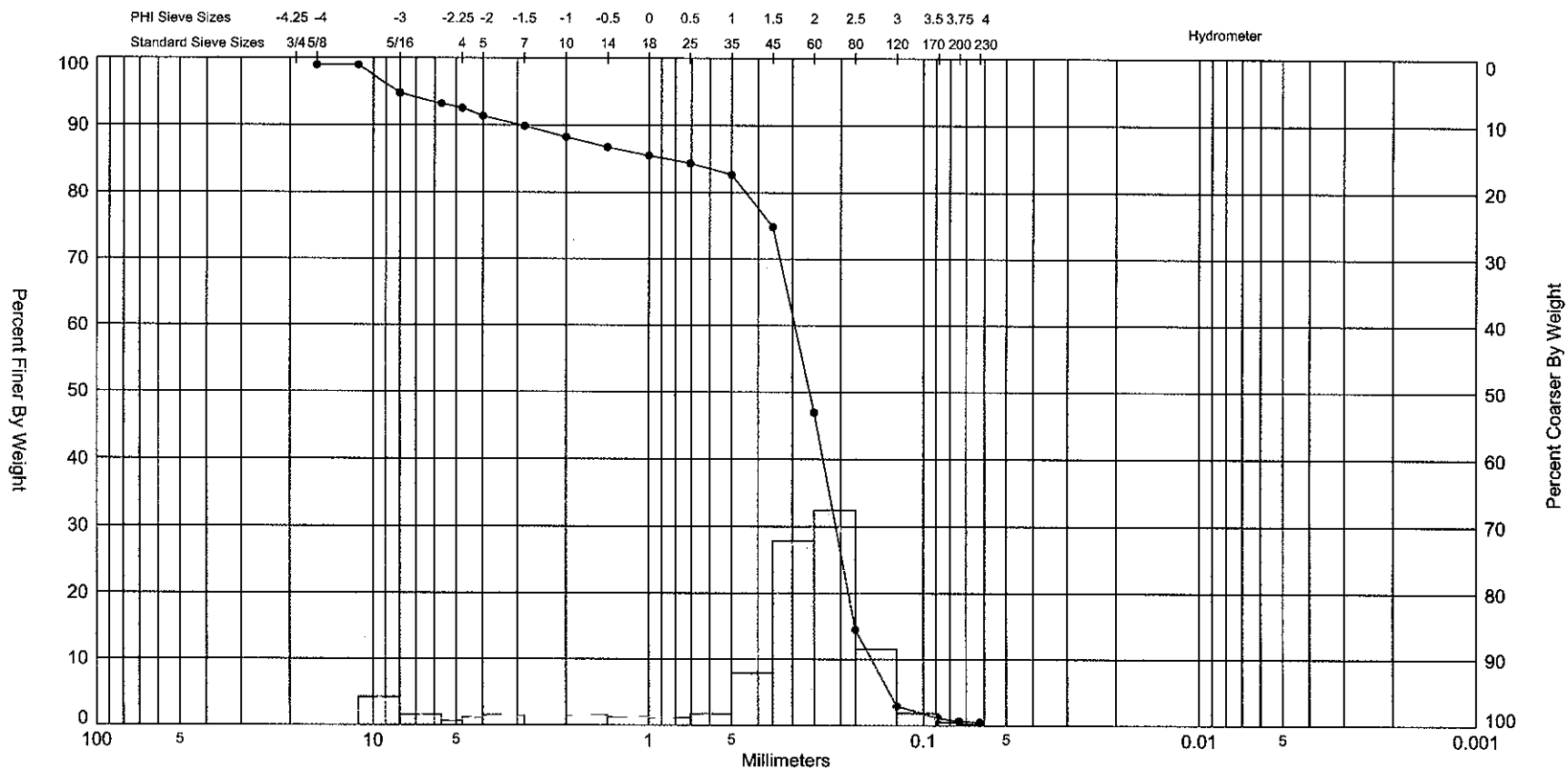
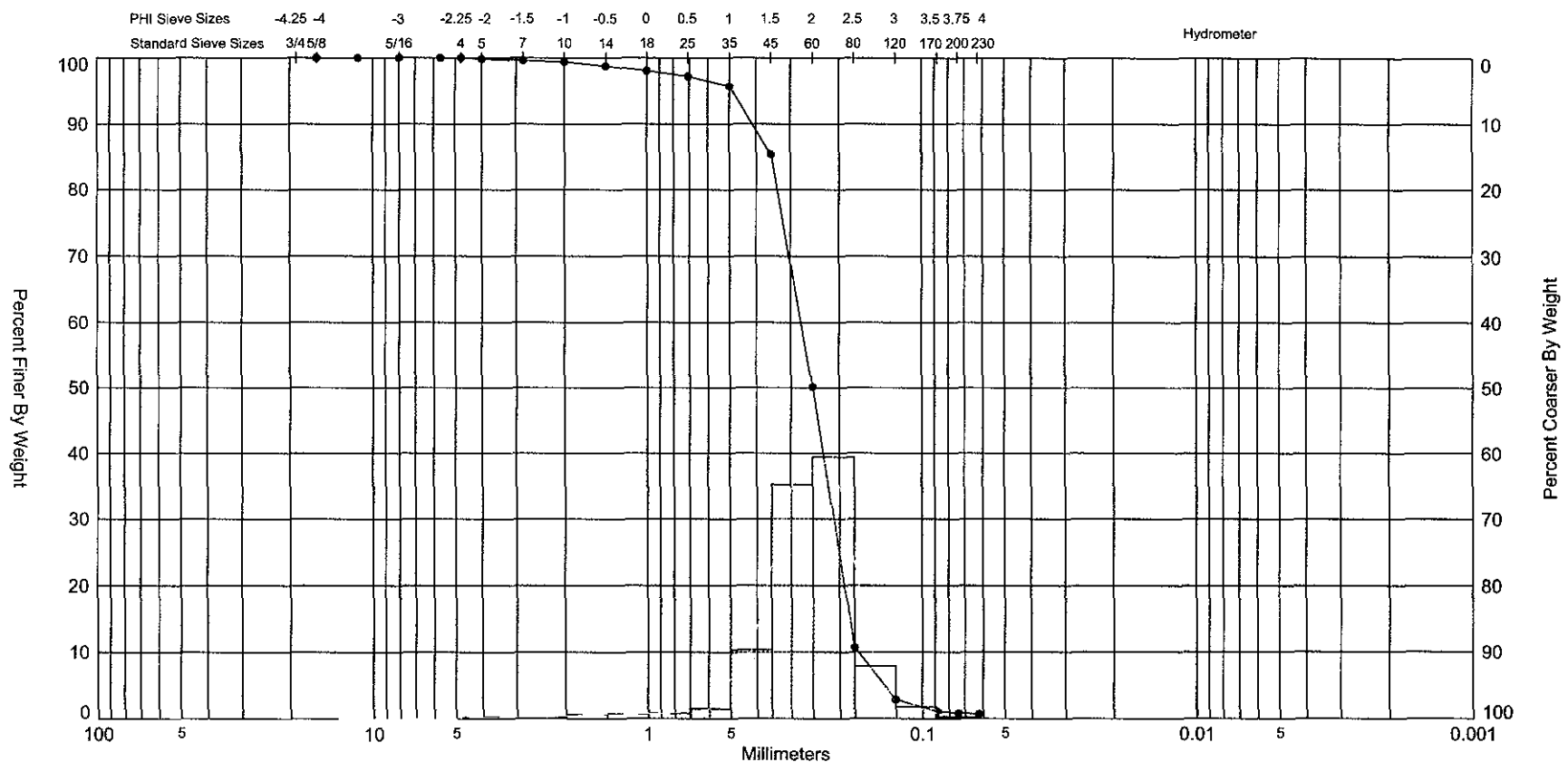


DRILLING LOG		DIVISION	INSTALLATION	SHEET 1 OF 1 SHEETS
1. PROJECT Matagorda County Sand Search Matagorda County, Texas			9. SIZE AND TYPE OF BIT	
2. BORING DESIGNATION PA108-01			10. COORDINATE SYSTEM/DATUM UTM Zone 15	
LOCATION COORDINATES X = 10,417,084 ft Y = 685,386 ft			HORIZONTAL NAD 1927	
3. DRILLING AGENCY Coastal Tech			11. MANUFACTURER'S DESIGNATION OF DRILL Auger	
CONTRACTOR FILE NO.			☐ AUTO HAMMER ☐ MANUAL HAMMER	
4. NAME OF DRILLER Randy Parkinson			12. TOTAL SAMPLES	
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED			DISTURBED	
DEG. FROM VERTICAL			UNDISTURBED (UD)	
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 STARTED 05-13-05 COMPLETED 05-13-05	
8. TOTAL DEPTH OF BORING 6.0 Ft.			16. ELEVATION TOP OF BORING Not Determined	
			17. TOTAL RECOVERY FOR BORING 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
	0.0					
					1	Sample #1, Depth = 0.0' - 1.0'
			Fine grained, quartz, SAND, with trace shell, yellow (10YR-7/6), (SP).			
	6.0				2	Sample #2, Depth = 5.0' - 6.0'
			End of Boring			

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	
PA108-01 #2	—●—		SP	#200 - 0.83 #230 - 0.65	0.40	11.40	2	1.93	-1.83	11.37	0.63	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):	10,417,084
												Northing (Y, m):	685,386
												Horizontal System:	NAD 1927
												Vertical System:	Observational
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: PA108-01 #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):

10,417,084

Northing (m):

685,386

Coordinate System:

UTM Zone 15

Elevation (ft):

USCS:

Munsell:

Comments:

Wet - 10YR-7/6

Dry Weight (g):

109.60

Wash Weight (g):

109.60

Pan Retained (g):

0.53

Sieve Loss (%):

0.00

Fines (%):

#200 - 0.67
#230 - 0.48

Organics (%):

0.80

Carbonates (%):

11.90

Shells (%):

Sieve Number

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

5/8"

-4.00

16.00

1.09

1.19

1.09

11/16"

-3.50

11.31

0.00

0.00

1.19

1.09

5/16"

-3.00

8.00

4.63

4.22

5.82

5.31

3.5

-2.50

5.66

1.69

1.54

7.51

6.85

4

-2.25

4.76

0.71

0.65

8.22

7.50

5

-2.00

4.00

1.26

1.15

9.48

8.65

7

-1.50

2.83

1.63

1.49

11.11

10.14

10

-1.00

2.00

1.70

1.55

12.81

11.69

14

-0.50

1.41

1.66

1.51

14.47

13.20

18

0.00

1.00

1.36

1.24

15.83

14.44

25

0.50

0.71

1.23

1.12

17.06

15.57

35

1.00

0.50

1.88

1.72

18.94

17.28

45

1.50

0.35

8.63

7.87

27.57

25.16

60

2.00

0.25

30.56

27.88

58.13

53.04

80

2.50

0.18

35.55

32.44

93.68

85.47

120

3.00

0.13

12.70

11.59

106.38

97.06

170

3.50

0.09

2.01

1.83

108.39

98.90

200

3.75

0.07

0.48

0.44

108.87

99.33

230

4.00

0.06

0.20

0.18

109.07

99.52

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.91

2.48

2.34

1.95

1.49

0.63

-3.07

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.48

0.36

1.55

-1.92

5.81

GRANULARMETRIC REPORT MATAGORDA COUNTY TEXAS GBJ 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: PA108-01 #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):

10,417,084

Northing (m):

685,386

Coordinate System:

UTM Zone 15

Elevation (ft):

USCS:

SP

Munsell:

Wet - 10YR-7/6

Comments:

Dry Weight (g):

148.70

Wash Weight (g):

148.70

Pan Retained (g):

0.97

Sieve Loss (%):

0.00

Fines (%):

#200 - 0.83
#230 - 0.65

Organics (%):

0.40

Carbonates (%):

11.40

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

0.24

0.16

0.24

0.16

7

-1.50

2.83

0.34

0.23

0.58

0.39

10

-1.00

2.00

0.34

0.23

0.92

0.62

14

-0.50

1.41

0.91

0.61

1.83

1.23

18

0.00

1.00

1.05

0.71

2.88

1.94

25

0.50

0.71

1.23

0.83

4.11

2.76

35

1.00

0.50

2.19

1.47

6.30

4.24

45

1.50

0.35

15.38

10.34

21.68

14.58

60

2.00

0.25

52.44

35.27

74.12

49.85

80

2.50

0.18

58.66

39.45

132.78

89.29

120

3.00

0.13

11.66

7.84

144.44

97.14

170

3.50

0.09

2.63

1.77

147.07

98.90

200

3.75

0.07

0.39

0.26

147.46

99.17

230

4.00

0.06

0.27

0.18

147.73

99.35

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.86

2.43

2.32

2.00

1.65

1.52

1.04

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

1.93

0.26

0.63

-1.83

11.37

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