

<b>DRILLING LOG</b>		<b>DIVISION</b>	<b>INSTALLATION</b>	<b>SHEET 1</b> <b>OF 1 SHEETS</b>
<b>1. PROJECT</b> Texas Geotechnical Sand Search Jefferson County Texas			<b>9. SIZE AND TYPE OF BIT</b> 3.0 In.	
<b>2. BORING DESIGNATION</b> JCVC-06-07			<b>10. COORDINATE SYSTEM/DATUM</b> Texas South Central	
<b>3. DRILLING AGENCY</b> Alpine Ocean Seismic Survey, Inc.			<b>11. MANUFACTURER'S DESIGNATION OF DRILL</b> <input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER	
<b>4. NAME OF DRILLER</b> Charles Dill			<b>12. TOTAL SAMPLES</b> DISTURBED: _____ UNDISTURBED (UD): _____	
<b>5. DIRECTION OF BORING</b> <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED			<b>13. TOTAL NUMBER CORE BOXES</b>	
<b>6. THICKNESS OF OVERBURDEN</b> 0.0 Ft.			<b>14. ELEVATION GROUND WATER</b>	
<b>7. DEPTH DRILLED INTO ROCK</b> 0.0 Ft.			<b>15. DATE BORING</b> STARTED: 10-09-06 16:31 COMPLETED: 10-09-06 16:35	
<b>8. TOTAL DEPTH OF BORING</b> 18.6 Ft.			<b>16. ELEVATION TOP OF BORING</b> -25.9 Ft.	
			<b>17. TOTAL RECOVERY FOR BORING</b> 15.4 Ft.	
			<b>18. SIGNATURE AND TITLE OF INSPECTOR</b> ML	

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS
-25.9	0.0					
-27.3	1.4		CLAY, little silt, soft, 3.0" sand layer @ 0.3", gray (5Y-5/1), (CL).			
-30.5	4.6		SAND, fine grained, quartz, some clay, little silt, 1.0" clay layer @ 3.4', gray (5Y-5/1), (SM).		1	Sample #1, Depth = 4.0' Mean (mm): 0.13, Phi Sorting: 0.55 Shell Hash: 0%, Fines (230): 10.35% (SM)
-41.3	15.4		SAND, fine grained, quartz, trace shell hash, trace silt, 3.0" clay layer @ 10.3', gray (5Y-5/1), (SP).		2	Sample #2, Depth = 12.7' Mean (mm): 0.15, Phi Sorting: 0.34 Shell Hash: 0%, Fines (230): 2.33% (SP)
-44.5	18.6		No Recovery.			
			End of Boring			

FLORIDA DEP ROSS -JEFFERSON\_VIBRACORES 2006\_1-8.GPJ FL DEP ROSS.GDT 12/14/06

# Granularmetric Report

Depths and elevations based on measured values



Coastal Planning & Engineering  
 2481 NW Boca Raton Blvd, Boca Raton  
 FL 33431  
 ph (561) 391-8102  
 fax (561) 391-9116

Project Name: Texas Geotechnical Sand Search

Sample Name: JCVC-06-07 #1

Analysis Date: 10-17-06

Analyzed By: AU

Easting (ft): 3,479,152	Northing (ft): 13,788,996	Coordinate System: Texas South Central	Elevation (ft): -29.9 MLLW
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USCS: SM	Munsell: Wet - 5Y-5/1 Dry - 5Y-5/1 Washed - 5Y-5/1	Comments:
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Dry Weight (g): 96.12	Wash Weight (g): 89.45	Pan Retained (g): 3.13	Sieve Loss (%): 0.17	Fines (%): #200 - 14.62 #230 - 10.35	Organics (%):	Carbonates (%):	Shell Hash (%): 0
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Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained
3/4"	-4.25	19.03	0.00	0.00	0.00	0.00
5/8"	-4.00	16.00	0.00	0.00	0.00	0.00
7/16"	-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	0.00	0.00	0.00	0.00
18	0.00	1.00	0.00	0.00	0.00	0.00
25	0.50	0.71	0.00	0.00	0.00	0.00
35	1.00	0.50	0.00	0.00	0.00	0.00
45	1.50	0.35	0.00	0.00	0.00	0.00
60	2.00	0.25	3.67	3.82	3.67	3.82
80	2.50	0.18	18.66	19.41	22.33	23.23
120	3.00	0.13	22.74	23.66	45.07	46.89
170	3.50	0.09	26.67	27.75	71.74	74.64
200	3.75	0.07	10.32	10.74	82.06	85.38
230	4.00	0.06	4.10	4.27	86.16	89.65

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
	3.72	3.51	3.06	2.54	2.31	2.03
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Statistics	2.91	0.13	0.55	-0.2	2.17	

GRANULARMETRIC REPORT - JEFFERSON\_VIBRACORES\_2006\_1-8.GPJ FL DEP ROSS.GDT 12/14/06

# Granularmetric Report

Depths and elevations based on measured values



Coastal Planning & Engineering  
2481 NW Boca Raton Blvd, Boca Raton  
FL 33431  
ph (561) 391-8102  
fax (561) 391-9116

Project Name: Texas Geotechnical Sand Search

Sample Name: JCVC-06-07 #2

Analysis Date: 10-17-06

Analyzed By: AU

Easting (ft): <b>3,479,152</b>	Northing (ft): <b>13,788,996</b>	Coordinate System: <b>Texas South Central</b>	Elevation (ft): <b>-38.6 MLLW</b>
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USCS: <b>SP</b>	Munsell: Wet - 5Y-5/1 Dry - 5Y-5/1 Washed - 5Y-5/1	Comments:
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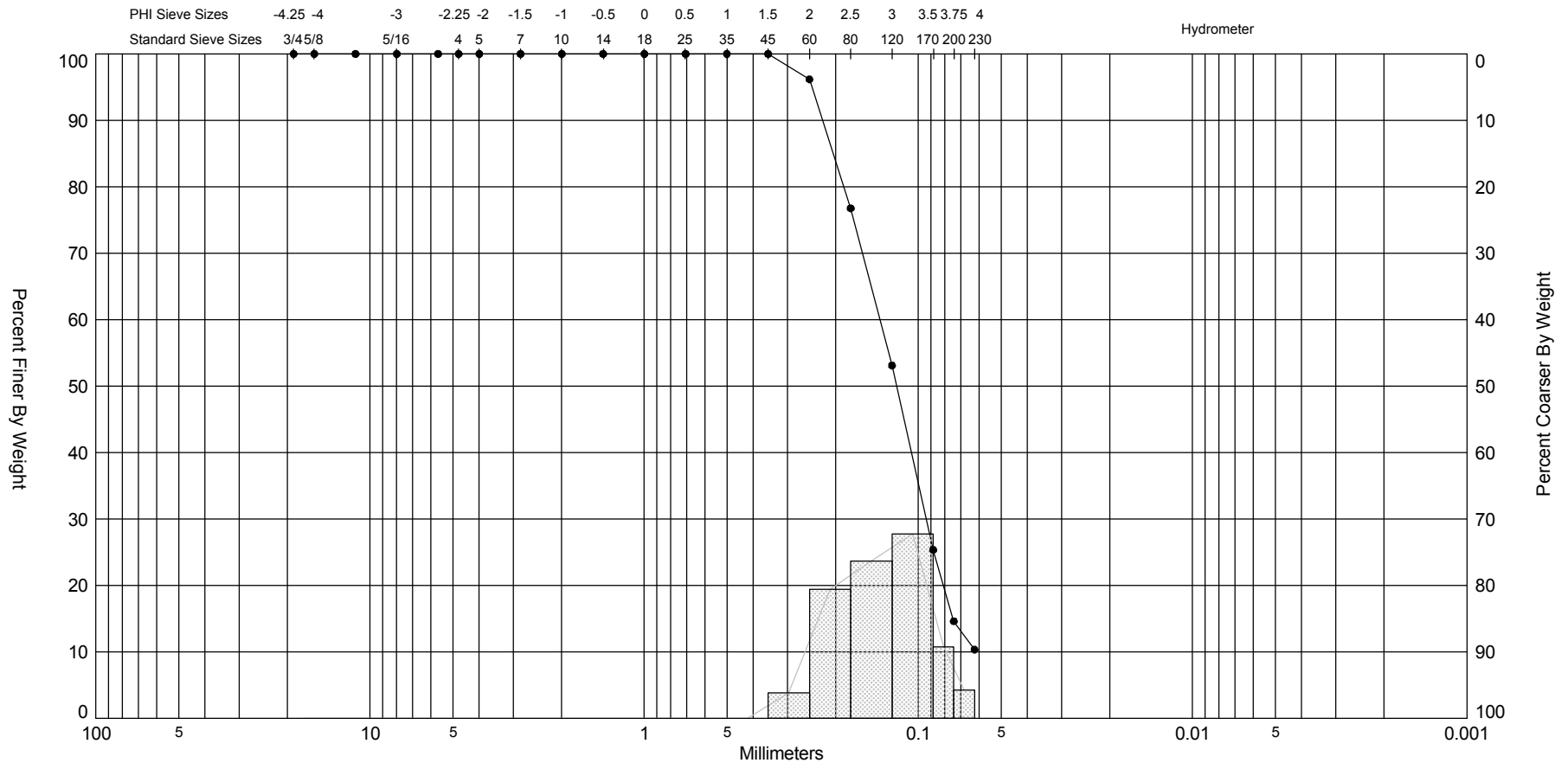
Dry Weight (g): <b>92.20</b>	Wash Weight (g): <b>90.51</b>	Pan Retained (g): <b>0.30</b>	Sieve Loss (%): <b>0.17</b>	Fines (%): #200 - 2.79 #230 - 2.33	Organics (%):	Carbonates (%):	Shell Hash (%): <b>0</b>
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Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained
3/4"	-4.25	19.03	0.00	0.00	0.00	0.00
5/8"	-4.00	16.00	0.00	0.00	0.00	0.00
7/16"	-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	0.00	0.00	0.00	0.00
18	0.00	1.00	0.00	0.00	0.00	0.00
25	0.50	0.71	0.00	0.00	0.00	0.00
35	1.00	0.50	0.00	0.00	0.00	0.00
45	1.50	0.35	0.02	0.02	0.02	0.02
60	2.00	0.25	0.33	0.36	0.35	0.38
80	2.50	0.18	19.25	20.88	19.60	21.26
120	3.00	0.13	54.28	58.87	73.88	80.13
170	3.50	0.09	14.48	15.70	88.36	95.83
200	3.75	0.07	1.27	1.38	89.63	97.21
230	4.00	0.06	0.42	0.46	90.05	97.67


Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
3.47	3.12	2.96	2.74	2.53	2.37	2.11
Moment Statistics	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
	2.74	0.15	0.34	0.25	3.39	

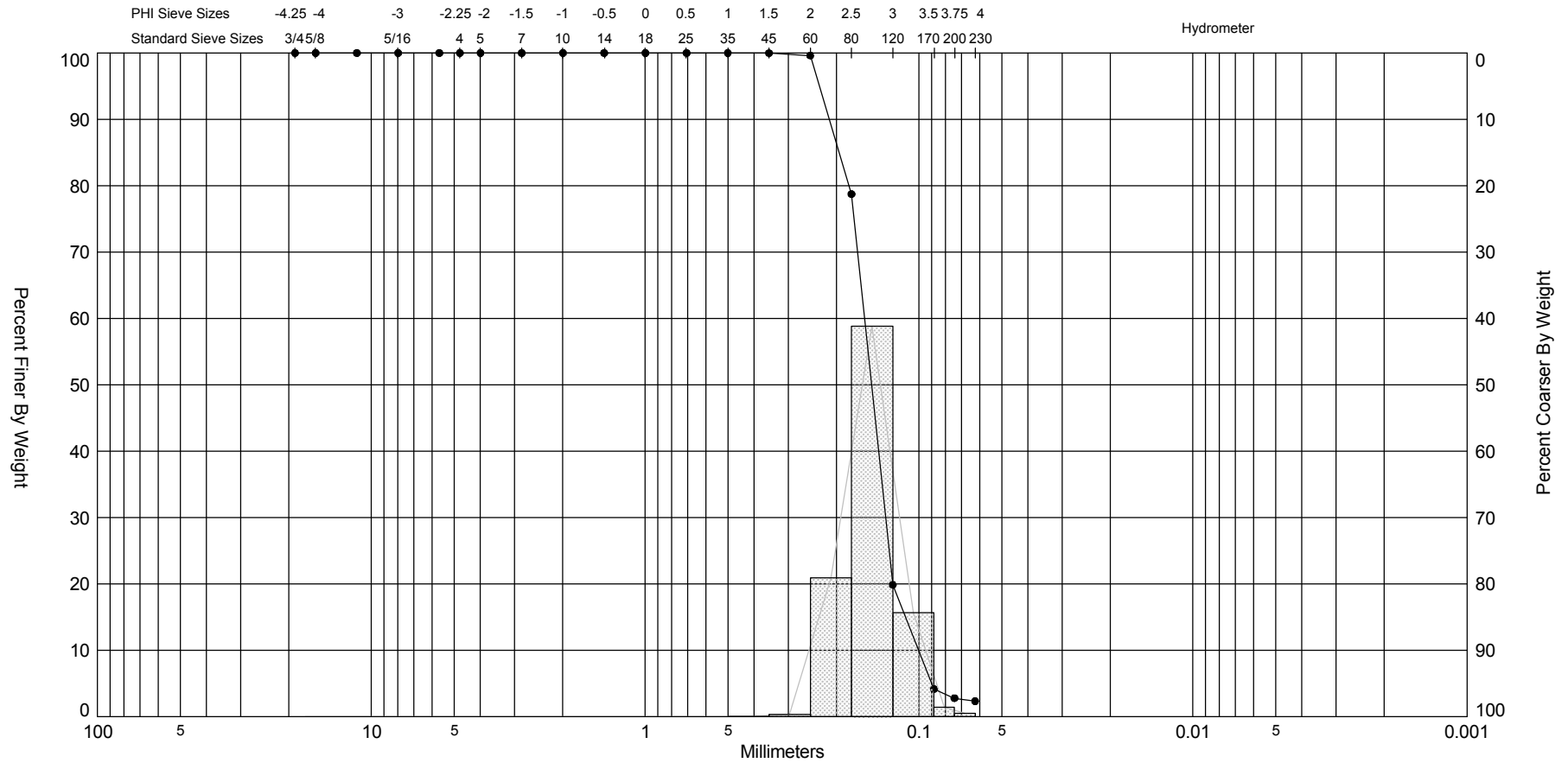
GRANULARMETRIC REPORT - JEFFERSON\_VIBRACORES\_2006\_1-8.GPJ FL DEP ROSS.GDT 12/14/06

SIEVE ANALYSIS - JEFFERSON\_VIBRACORES\_2006\_1-8.GPJ FL DEP ROSS.GDT 12/14/06




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	
JCVC-06-07 #1	—●—	-29.9	SM	#200 - 14.62 #230 - 10.35			3.06	2.91	-0.2	2.17	0.55	Project Name:	Texas Geotechnical Sand Search
Comments:												Analysis Date:	10-17-06
Depths and elevations based on measured values												Analyzed By:	AU
							Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116					Easting (X, ft):	3,479,152
												Northing (Y, ft):	13,788,996
												Horizontal System:	NAD 1983
												Vertical System:	MLLW



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	
JCVC-06-07 #2	—●—	-38.6	SP	#200 - 2.79 #230 - 2.33			2.74	2.74	0.25	3.39	0.34	Project Name:	Texas Geotechnical Sand Search
Comments:												Analysis Date:	10-17-06
Depths and elevations based on measured values												Analyzed By:	AU
 Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116							Easting (X, ft):	3,479,152					
							Northing (Y, ft):	13,788,996					
							Horizontal System:	NAD 1983					
							Vertical System:	MLLW					