



Aptim Environmental & Infrastructure, LLC
 6401 Congress Avenue, Suite 140
 Boca Raton, Florida 33487
 Phone # 1-561-391-8102

Legend for Geotechnical Data

Grain Size Scale for Sediments

Unified Soil Classification System (USCS) (ASTM D2487/2488)		APTIM Standard Sieve Stack		
		Sieve Number	Size (phi)	Size (mm)
Gravel	Coarse Gravel	3/4	-4.25	19.03
		5/8	-4.00	16.00
	Fine Gravel	7/16	-3.50	11.20
		5/16	-3.00	8.00
		3 1/2	-2.50	5.60
Sand	Coarse Sand	4	-2.25	4.75
		5	-2.00	4.00
		7	-1.50	2.80
	Medium Sand	10	-1.00	2.00
		14	-0.50	1.40
		18	0.00	1.00
		25	0.50	0.71
	Fine Sand	35	1.00	0.50
		45	1.50	0.36
		60	2.00	0.25
		80	2.50	0.18
Fines	Silt/Clay	120	3.00	0.13
		170	3.50	0.09
		200	3.75	0.08
		230	4.00	0.06

Proportional Definition of Descriptive Terms

<u>Descriptive Term</u>	<u>Range of Proportions</u>
Sandy, gravelly, etc.	35 % to 50 %
Some	20 % to 35 %
Little	10 % to 20 %
Trace	1 % to 10 %






















Consistency of Cohesive Soils

Description	Consistency Index	Approximate Undrained Shear Strength (kPa)	Field Identification
Hard		Over 300	Indented with difficulty by thumbnail, brittle.
Very Stiff	>1	150-300	Readily indented by thumbnail, still very tough.
Stiff	0.75-1	75-150	Readily indented by thumb but penetrated only with difficulty. Cannot be moulded in the fingers.
Firm	0.5-0.75	40-75	Can be penetrated several centimeters by thumb with moderate effort and moulded in fingers by strong pressure.
Soft	<0.5	20-40	Easily penetrated several centimeters by thumb, easily moulded.
Very Soft		Less than 20	Easily penetrated several centimeters by fist, exudes between fingers when squeezed in fist.

Source: Engineering Properties of Soils and Rocks, Fourth Edition by Fred G. Bell

USCS Classifications

Refers to the Army Corps of Engineers Unified Soils Classification System. Class types are defined primarily by grain size, sorting and percent of material passing the #200 sieve. Classification of materials on the core logs based on visual field examinations are identified on the core logs under the Classification of Materials Description. Classifications based on laboratory sieve analyses are identified on the core logs in the Legend and under Remarks.

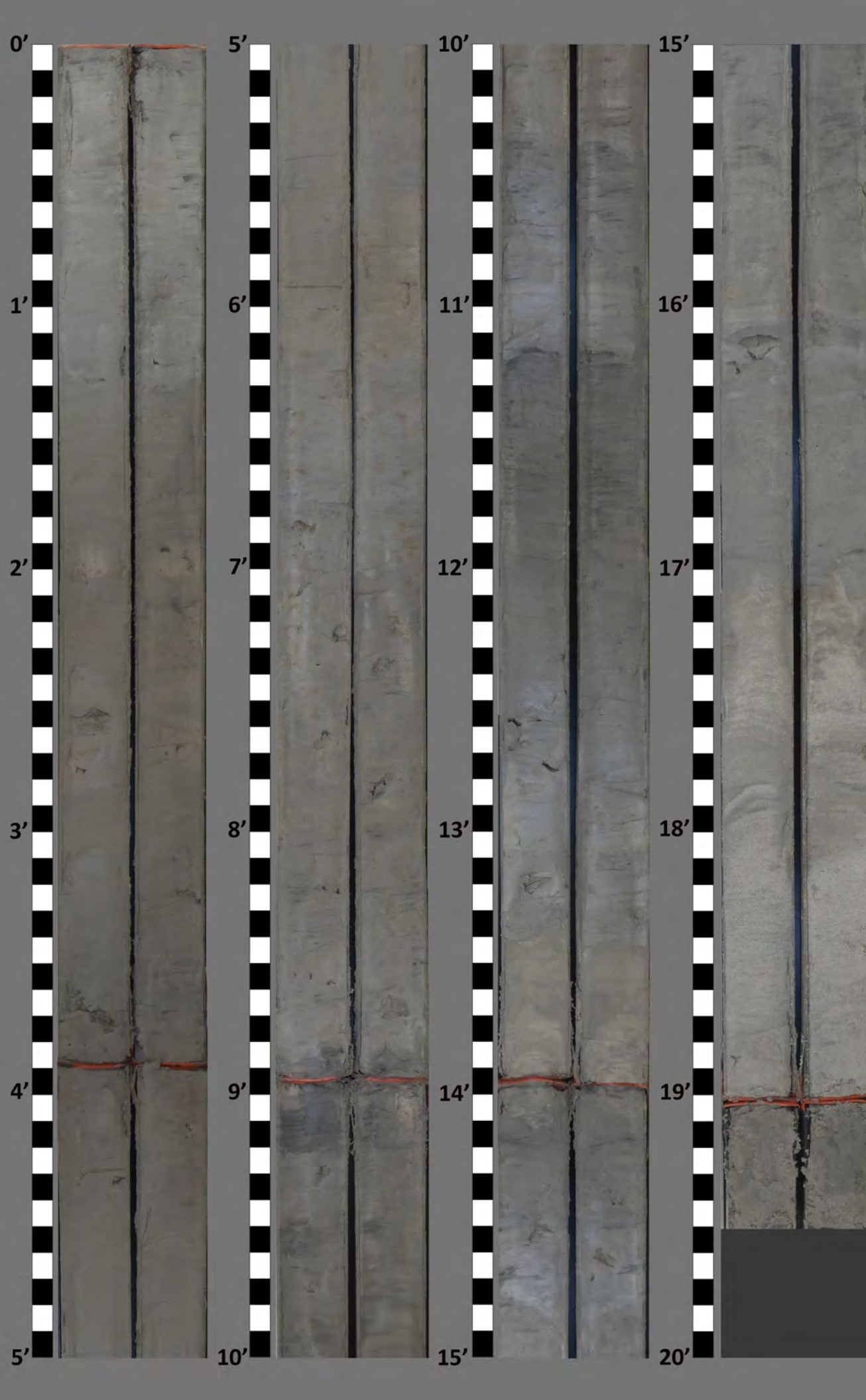
GW		Well graded gravels or gravel-sand mixtures, little or no fines	ML		Inorganic silts and very fine sands, rock flour, sandy silts or clayey silts with slight plasticity
GP		Poorly graded gravels or gravel-sand mixtures, w/ little or no fines	MH		Inorganic silts, micaceous or diatomaceous fine sandy or silty soil, elastic silts
GM		Silty gravels, gravel-sand-silt mixtures	OL		Organic silts and organic silt-clays of low plasticity
GC		Clayey gravels, gravel-sand-clay mixtures	OH		Organic clays of medium to high plasticity, organic silts
SW		Well graded sands or gravelly sands, little or no fines	CL		Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
SP		Poorly graded sands or gravelly sands, little or no fines	CH		Inorganic clays of high plasticity, fat clays
SM		Silty sands, sand-silt mixtures	PT		Peat and other highly organic soils
SC		Clayey sands, sand-clay mixtures	SP-SM		Poorly-graded silty sand
SW-SM		Well-graded silty sand	SM-SC		Silty clayey sand
GW-GM		Well-graded silty gravel	ML-CL		Inorganic silty lean clay
GM-GC		Clayey silty gravel			

Note: Information is after ACOE Atlantic Division Manual # 1110-1-1 titled *Engineering and Design Geotechnical Manual for Surface and Subsurface Investigations*

DRILLING LOG		DIVISION	INSTALLATION	SHEET 1 OF 1 SHEETS
1. PROJECT TX GLO Region 1 Recon Geotechnical Sand Search Jefferson, Chambers, Galveston and Brazoria Co.			9. SIZE AND TYPE OF BIT 3.0 In.	
2. BORING DESIGNATION TXGLO1-VC-23-097			10. COORDINATE SYSTEM/DATUM Texas State Plane South	
3. DRILLING AGENCY APTIM			11. MANUFACTURER'S DESIGNATION OF DRILL APTIM SEAS VC-700 Vibracore	
4. NAME OF DRILLER APTIM			12. TOTAL SAMPLES 4	
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED			13. TOTAL NUMBER CORE BOXES	
6. THICKNESS OF OVERBURDEN 0.0 Ft.			14. ELEVATION GROUND WATER	
7. DEPTH DRILLED INTO ROCK 0.0 Ft.			15. DATE BORING 10-18-23	
8. TOTAL DEPTH OF BORING 18.5 Ft.			16. ELEVATION TOP OF BORING -60.9 Ft.	
			17. TOTAL RECOVERY FOR BORING 19.5 Ft.	
			18. SIGNATURE AND TITLE OF INSPECTOR SM	

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS The USCS classification system defines silt as the percent passing the No.200 (0.075 mm) sieve
-60.9	0.0					
-62.2	1.3		SAND, fine grained, quartz, some clay, little silt, clay increases with depth in layer, silt distributed in laminae, 2.0" clay pocket @ 1.2', gray (5Y-5/1), (SC).		1	Sample #1, Depth = 0.7' Mean (mm): 0.10, Phi Sorting: 0.43 Fines (230): 39.21%
-64.0	3.1		SAND, fine grained, quartz, little clay, trace rock fragments, trace silt, rock fragments are fragments of partially lithified clay up to 0.19", (1.75" x 2.5") clayey pocket @ 2.0', (2.0" x 2.5") clayey pocket @ 3.7', gray (2.5Y-5/1), (SC).		2	Sample #2, Depth = 2.3' Mean (mm): 0.14, Phi Sorting: 0.49 Fines (230): 20.42% Fines (200): 23.79% (SC)
-69.7	8.8		FAT CLAY, very stiff, trace rock fragments, trace sand, fine grained, quartz, trace silt, silt distributed in laminae, rock fragments are fragments of partially lithified clay up to 0.19", oxidation throughout layer, 2.5" sand pocket @ 4.7', rock fragment pocket @ 5.2', 1.0" sand pocket @ 7.9', gray (10YR-5/1), (CH).		T1	Sample #T1, Depth = 6.5' Ave. Field Vane (tsf): 0.31
-71.3	10.4		Clayey SAND, fine grained, quartz, trace organics, trace silt, 1.0" oxidized pocket @ 9.0', (1.5" x 2.25") organic pocket @ 9.9', dark gray (2.5Y-4/1), (SC).		3	Sample #3, Depth = 9.6' Mean (mm): 0.10, Phi Sorting: 0.53 Fines (230): 45.11% Fines (200): 54.17% (CL)
-74.3	13.4		FAT CLAY, stiff, trace sand, fine grained, quartz, trace silt, silt distributed in laminae, (2.5" x 3.5") sandy pocket @ 12.2', dark greenish gray (10Y-4/1), (CH).		T2	Sample #T2, Depth = 11.5' Ave. Field Vane (tsf): 0.15
-75.1	14.2		SAND, fine grained, quartz, trace clay, trace silt, clay distributed in pockets up to 0.5", gray (2.5Y-5/1), (SP).			
-77.1	16.2		FAT CLAY, very stiff, little sand, fine grained, quartz, trace silt, sand distributed in sandy pockets up to 2.0", silt distributed in laminae, greenish gray (10Y-5/1), (CH).		T3	Sample #T3, Depth = 14.4' Ave. Field Vane (tsf): 0.20
-80.4	19.5		SAND, fine grained, quartz, trace clay, trace silt, clay distributed in pockets up to 0.5", expansion from 18.5' to 19.5', Bit sample from 19.0' to 19.5', gray (2.5Y-5/1), (SM).		4	Sample #4, Depth = 17.4' Mean (mm): 0.15, Phi Sorting: 0.41 Fines (230): 11.36% Fines (200): 13.35% (SM)
			End of Boring			

REGION 1 RECON GEOTECH.GP. 3/25/24



Texas General
Land Office

Texas GLO
Region 1
Geotechnical
Reconnaissance
Survey

TXGLO1-VC-23-097

Date Collected: 10/18/23
Top Elev. (ft NAVD88): -60.9
Bottom Elev. (ft NAVD88): -80.4
Core Length (ft): 19.5



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Granularmetric Report

Depths and elevations based on measured values



APTIM
6401 Congress Avenue, Suite 140
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ph (561) 391-8102

Project Name: TX GLO Region 1 Recon Geotechnical Sand Search

Sample Name: TXGLO1-VC-23-097 #1

Analysis Date: 02-19-24

Analyzed By: SM

Easting (ft): 3,119,246	Northing (ft): 13,461,565	Coordinate System: Texas State Plane South	Elevation (ft): -61.6 NAVD88
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USCS: SC	Munsell: Wet - 5Y-5/1 Dry - 5Y-6/1 Washed - 2.5Y-8/1	Comments:
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Dry Weight (g): 108.62	Wash Weight (g): 74.67	Pan Retained (g): 8.63	Sieve Loss (%): 0.03	Fines (%): #200 - 48.46 #230 - 39.21	Organics (%):	Carbonates (%):	Shell Hash (%):
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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	0.02	0.02	0.02	0.02
14	-0.50	1.41	0.01	0.01	0.03	0.03
18	0.00	1.00	0.02	0.02	0.05	0.05
25	0.50	0.71	0.04	0.04	0.09	0.09
35	1.00	0.50	0.05	0.05	0.14	0.14
45	1.50	0.35	0.06	0.06	0.20	0.20
60	2.00	0.25	0.15	0.14	0.35	0.34
80	2.50	0.18	1.89	1.74	2.24	2.08
120	3.00	0.13	11.42	10.51	13.66	12.59
170	3.50	0.09	29.89	27.52	43.55	40.11
200	3.75	0.07	12.41	11.43	55.96	51.54
230	4.00	0.06	10.05	9.25	66.01	60.79

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
			3.72	3.23	3.06	2.64
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Statistics	3.29	0.10	0.43	-1.46	11.27	

REGION1_RECON_GEOTECH.GPJ 3/6/24

Granularmetric Report

Depths and elevations based on measured values



APTIM
6401 Congress Avenue, Suite 140
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Project Name: TX GLO Region 1 Recon Geotechnical Sand Search

Sample Name: TXGLO1-VC-23-097 #2

Analysis Date: 02-19-24

Analyzed By: SM

Easting (ft): 3,119,246	Northing (ft): 13,461,565	Coordinate System: Texas State Plane South	Elevation (ft): -63.2 NAVD88
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USCS: SC	Munsell: Wet - 2.5Y-5/1 Dry - 2.5Y-6/1 Washed - 10YR-8/1	Comments:
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Dry Weight (g): 103.28	Wash Weight (g): 85.52	Pan Retained (g): 3.32	Sieve Loss (%): 0.02	Fines (%): #200 - 23.79 #230 - 20.42	Organics (%):	Carbonates (%):	Shell Hash (%):
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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	0.05	0.05	0.05	0.05
10	-1.00	2.00	0.00	0.00	0.05	0.05
14	-0.50	1.41	0.01	0.01	0.06	0.06
18	0.00	1.00	0.01	0.01	0.07	0.07
25	0.50	0.71	0.01	0.01	0.08	0.08
35	1.00	0.50	0.01	0.01	0.09	0.09
45	1.50	0.35	0.02	0.02	0.11	0.11
60	2.00	0.25	0.37	0.36	0.48	0.47
80	2.50	0.18	20.68	20.02	21.16	20.49
120	3.00	0.13	32.77	31.73	53.93	52.22
170	3.50	0.09	19.60	18.98	73.53	71.20
200	3.75	0.07	5.17	5.01	78.70	76.21
230	4.00	0.06	3.48	3.37	82.18	79.58

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
		3.69	2.97	2.57	2.39	2.11
Moment Statistics	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
	2.84	0.14	0.49	-0.29	7.53	

REGION1_RECON_GEOTECH.GPJ 3/6/24

Granularmetric Report

Depths and elevations based on measured values



APTIM
6401 Congress Avenue, Suite 140
Boca Raton, FL 33487
ph (561) 391-8102

Project Name: TX GLO Region 1 Recon Geotechnical Sand Search

Sample Name: TXGLO1-VC-23-097 #3

Analysis Date: 02-19-24

Analyzed By: SM

Easting (ft): 3,119,246	Northing (ft): 13,461,565	Coordinate System: Texas State Plane South	Elevation (ft): -70.5 NAVD88
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USCS: CL	Munsell: Wet - 2.5Y-4/1 Dry - 2.5Y-6/1 Washed - 2.5Y-8/1	Comments:
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Dry Weight (g): 102.15	Wash Weight (g): 62.82	Pan Retained (g): 6.73	Sieve Loss (%): 0.03	Fines (%): #200 - 54.17 #230 - 45.11	Organics (%):	Carbonates (%):	Shell Hash (%):
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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	0.01	0.01	0.01	0.01
10	-1.00	2.00	0.01	0.01	0.02	0.02
14	-0.50	1.41	0.04	0.04	0.06	0.06
18	0.00	1.00	0.01	0.01	0.07	0.07
25	0.50	0.71	0.05	0.05	0.12	0.12
35	1.00	0.50	0.08	0.08	0.20	0.20
45	1.50	0.35	0.09	0.09	0.29	0.29
60	2.00	0.25	0.42	0.41	0.71	0.70
80	2.50	0.18	4.84	4.74	5.55	5.44
120	3.00	0.13	6.75	6.61	12.30	12.05
170	3.50	0.09	20.33	19.90	32.63	31.95
200	3.75	0.07	14.18	13.88	46.81	45.83
230	4.00	0.06	9.25	9.06	56.06	54.89

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
			3.87	3.33	3.10	2.45
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Statistics	3.28	0.10	0.53	-1.68	9.51	

REGION1_RECON_GEOTECH.GPJ 3/6/24

Granularmetric Report

Depths and elevations based on measured values



APTIM
6401 Congress Avenue, Suite 140
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Project Name: TX GLO Region 1 Recon Geotechnical Sand Search

Sample Name: TXGLO1-VC-23-097 #4

Analysis Date: 02-19-24

Analyzed By: WMM

Easting (ft): 3,119,246	Northing (ft): 13,461,565	Coordinate System: Texas State Plane South	Elevation (ft): -78.3 NAVD88
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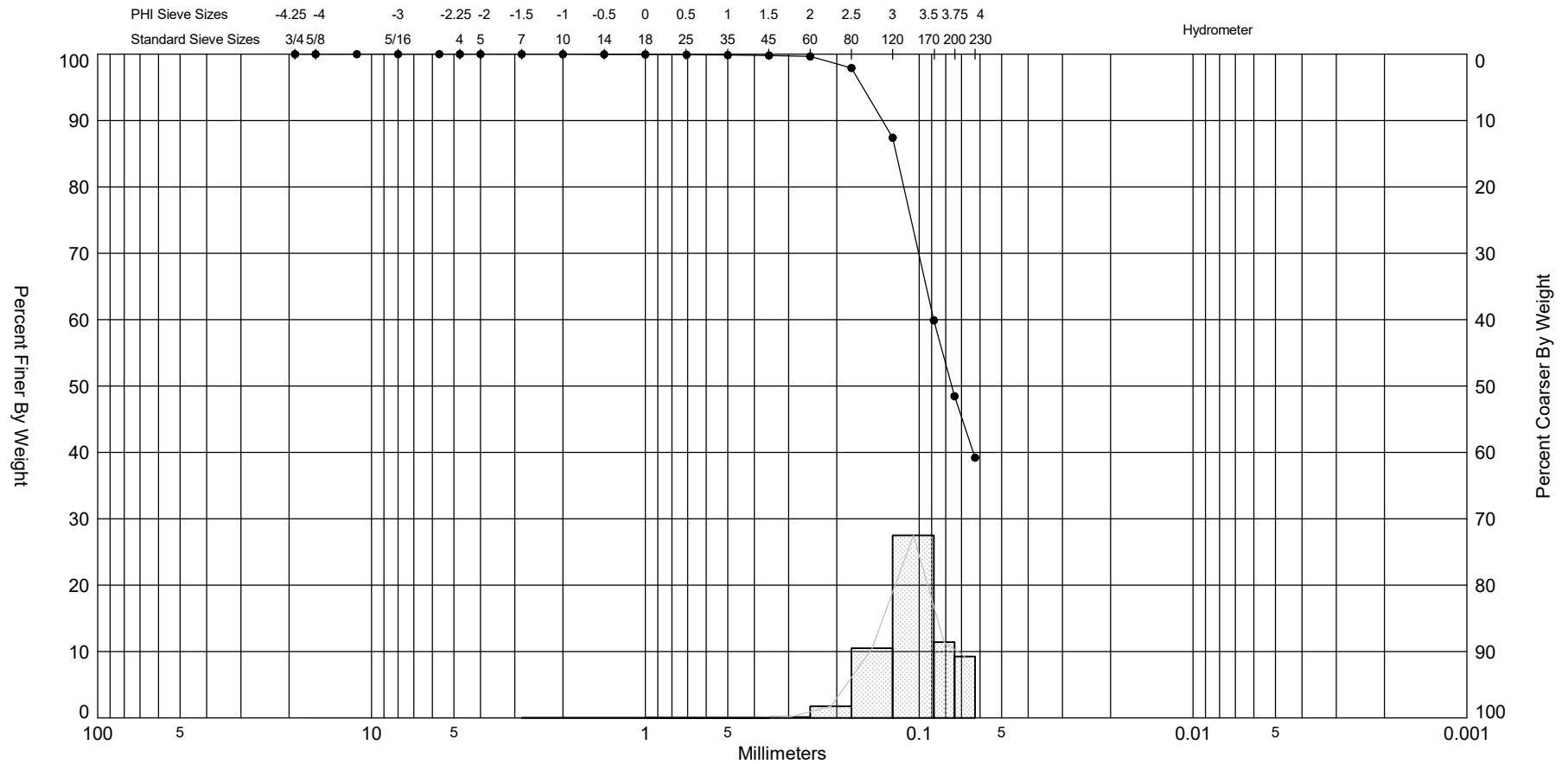
USCS: SM	Munsell: Wet - 2.5Y-5/1 Dry - 2.5Y-6/1 Washed - 2.5Y-8/1	Comments:
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Dry Weight (g): 104.17	Wash Weight (g): 92.96	Pan Retained (g): 0.60	Sieve Loss (%): 0.02	Fines (%): #200 - 13.35 #230 - 11.36	Organics (%):	Carbonates (%):	Shell Hash (%):
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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	0.01	0.01	0.01	0.01
45	1.50	0.35	0.01	0.01	0.02	0.02
60	2.00	0.25	0.64	0.61	0.66	0.63
80	2.50	0.18	27.63	26.52	28.29	27.15
120	3.00	0.13	44.48	42.70	72.77	69.85
170	3.50	0.09	14.93	14.33	87.70	84.18
200	3.75	0.07	2.57	2.47	90.27	86.65
230	4.00	0.06	2.07	1.99	92.34	88.64

Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
	3.49	3.18	2.77	2.46	2.29	2.08
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis	
Statistics	2.72	0.15	0.41	0.55	3.17	

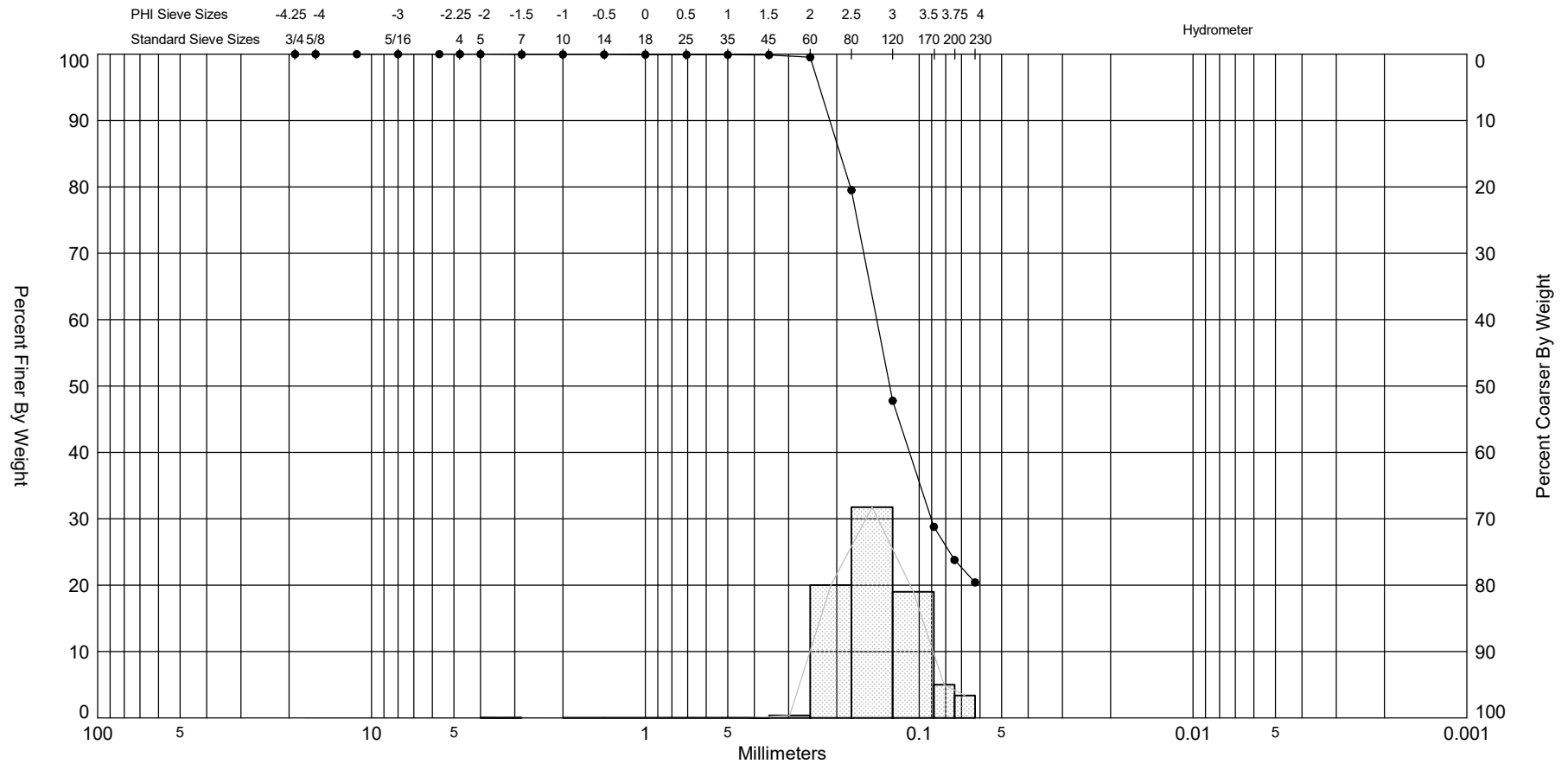
REGION1_RECON_GEOTECH.GPJ 3/6/24




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	
TXGLO1-VC-23-097 #1	—●—	-61.6	SC	#200 - 48.46 #230 - 39.21			3.72	3.29	-1.46	11.27	0.43	Project Name:	TX GLO Region 1 Recon Geotechnical Sand Search
Comments:												Analysis Date:	02-19-24
Depths and elevations based on measured values												Analyzed By:	SM
							APTIM 6401 Congress Avenue, Suite 140 Boca Raton, FL 33487 ph (561) 391-8102					Easting (X, ft):	3,119,246
												Northing (Y, ft):	13,461,565
												Horizontal Datum:	NAD 1983
												Vertical Datum:	NAVD88

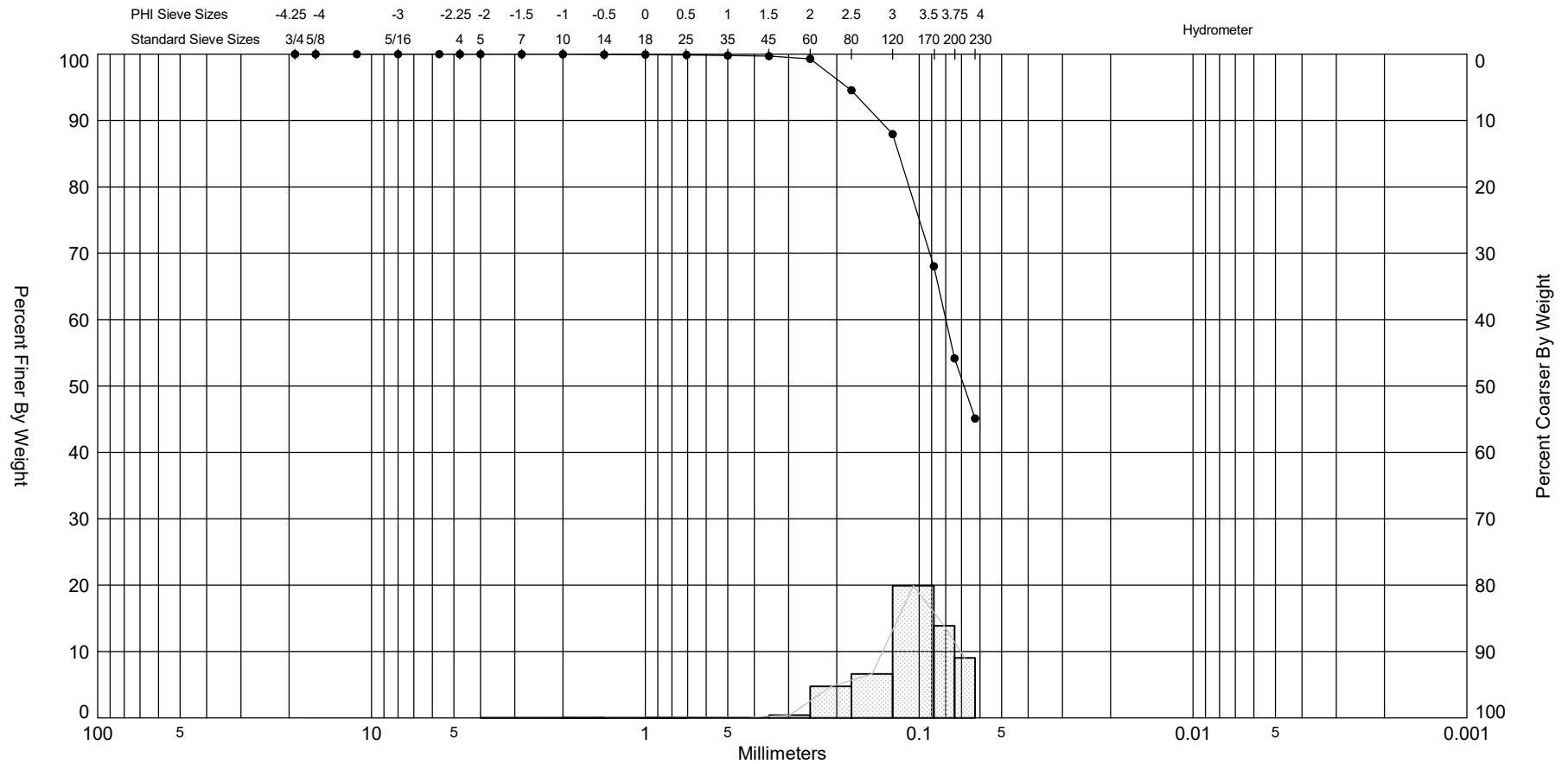
REGION1_RECON_GEOTECH.GPJ 3/6/24




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	
TXGLO1-VC-23-097 #2	—●—	-63.2	SC	#200 - 23.79 #230 - 20.42			2.97	2.84	-0.29	7.53	0.49	Project Name:	TX GLO Region 1 Recon Geotechnical Sand Search
Comments:												Analysis Date:	02-19-24
Depths and elevations based on measured values												Analyzed By:	SM
						APTIM 6401 Congress Avenue, Suite 140 Boca Raton, FL 33487 ph (561) 391-8102						Easting (X, ft):	3,119,246
												Northing (Y, ft):	13,461,565
												Horizontal Datum:	NAD 1983
												Vertical Datum:	NAVD88

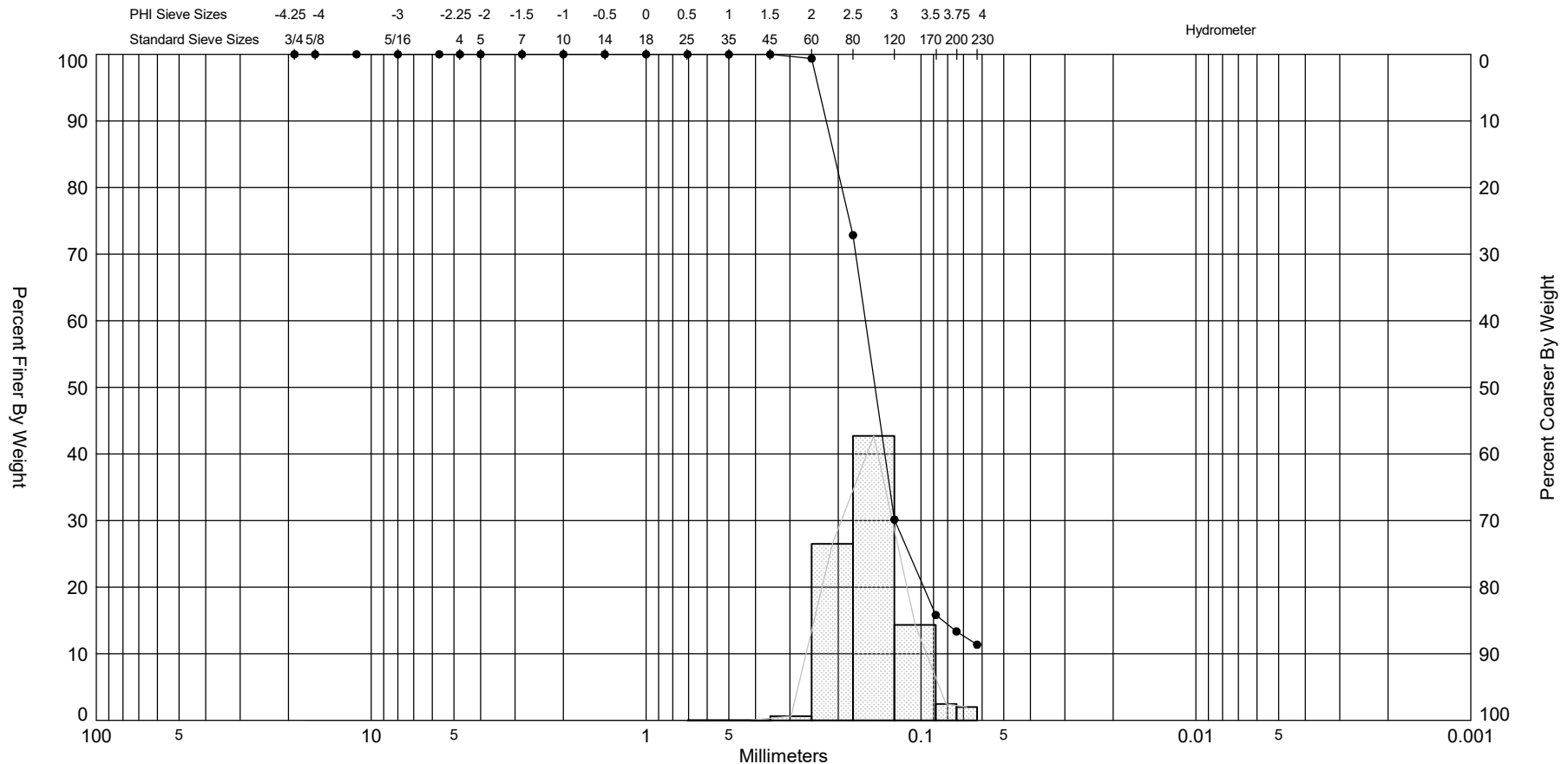
REGION1_RECON_GEOTECH_GPJ_3/6/24




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	
TXGLO1-VC-23-097 #3	—●—	-70.5	CL	#200 - 54.17 #230 - 45.11			3.87	3.28	-1.68	9.51	0.53	Project Name:	TX GLO Region 1 Recon Geotechnical Sand Search
Comments:												Analysis Date:	02-19-24
Depths and elevations based on measured values												Analyzed By:	SM
							APTIM 6401 Congress Avenue, Suite 140 Boca Raton, FL 33487 ph (561) 391-8102					Easting (X, ft):	3,119,246
												Northing (Y, ft):	13,461,565
												Horizontal Datum:	NAD 1983
												Vertical Datum:	NAVD88

REGION1_RECON_GEOTECH.GPJ 3/6/24



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	
TXGLO1-VC-23-097 #4	—●—	-78.3	SM	#200 - 13.35 #230 - 11.36			2.77	2.72	0.55	3.17	0.41	Project Name:	TX GLO Region 1 Recon Geotechnical Sand Search
Comments:												Analysis Date:	02-19-24
Depths and elevations based on measured values												Analyzed By:	WMM
						APTIM 6401 Congress Avenue, Suite 140 Boca Raton, FL 33487 ph (561) 391-8102						Easting (X, ft):	3,119,246
												Northing (Y, ft):	13,461,565
												Horizontal Datum:	NAD 1983
												Vertical Datum:	NAVD88

REGION1_RECON_GEOTECH.GPJ 3/6/24



Mini Vane Shear Test Results

CORE ID	SAMPLE DEPTH (ft)	TORVANE (kg/cm ²)	TORVANE (tsf)	TORVANE (kpa)	DESCRIPTION ¹
TXGLO1-VC-23-094	2.3	0.3	0.03	24.52	Soft
	5.0	0.5	0.05	49.03	Firm
	10.5	4.0	0.41	392.27	Hard
	13.0	6.5	0.67	637.43	Hard
TXGLO1-VC-23-095	9.1	3.0	0.31	294.20	Very Stiff
	12.3	2.5	0.26	245.17	Very Stiff
	15.5	5.0	0.51	490.33	Hard
TXGLO1-VC-23-096	0.5	2.0	0.20	196.13	Very Stiff
	2.5	3.0	0.31	294.20	Very Stiff
	10.6	1.5	0.15	147.10	Stiff
	11.6	1.0	0.10	98.07	Stiff
	16.6	2.0	0.20	196.13	Very Stiff
	18.6	5.0	0.51	490.33	Hard
TXGLO1-VC-23-097	6.5	3.0	0.31	294.20	Very Stiff
	11.5	1.5	0.15	147.10	Stiff
	14.4	2.0	0.20	196.13	Very Stiff
TXGLO1-VC-23-098	14.4	2.0	0.20	196.13	Very Stiff
	17.5	1.5	0.15	147.10	Stiff
TXGLO1-VC-23-099	1.5	0.3	0.03	24.52	Soft
	5.0	5.0	0.51	490.33	Hard
	15.1	2.0	0.20	196.13	Very Stiff
TXGLO1-VC-23-100	No Torvane Conducted				
TXGLO1-VC-23-101	0.6	0.0	0.00	0.00	Very Soft
	3.0	3.0	0.31	294.20	Very Stiff
	6.7	4.0	0.41	392.27	Hard
TXGLO1-VC-23-102	5.1	3.5	0.36	343.23	Hard
	9.4	8.0	0.82	784.53	Hard
TXGLO1-VC-23-103	1.0	0.0	0.00	0.00	Very Soft
	8.0	9.0	0.92	882.60	Hard
	12.5	4.5	0.46	441.30	Hard
	16.0	7.0	0.72	686.47	Hard
TXGLO1-VC-23-104	1.5	0.0	0.00	0.00	Very Soft
	4.3	2.0	0.20	196.13	Very Stiff
	6.9	1.0	0.10	98.07	Stiff
	9.0	3.0	0.31	294.20	Very Stiff
	11.0	6.0	0.61	588.40	Hard
TXGLO1-VC-23-105	4.2	8.0	0.82	784.53	Hard
	6.0	7.5	0.77	735.50	Hard
	8.8	4.5	0.46	441.30	Hard
	11.0	5.0	0.51	490.33	Hard
	12.7	2.5	0.26	245.17	Very Stiff
TXGLO1-VC-23-106	0.8	2.5	0.26	245.17	Very Stiff