



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
	Fine Gravel	5/8	-4.00	16.00
		7/16	-3.50	11.20
		5/16	-3.00	8.00
		3 1/2	-2.50	5.60
		4	-2.25	4.75
Sand	Coarse Sand	5	-2.00	4.00
		7	-1.50	2.80
		10	-1.00	2.00
	Medium Sand	14	-0.50	1.40
		18	0.00	1.00
		25	0.50	0.71
		35	1.00	0.50
	Fine Sand	45	1.50	0.36
		60	2.00	0.25
		80	2.50	0.18
		120	3.00	0.13
		170	3.50	0.09
		200	3.75	0.08
Fines	Silt/Clay	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

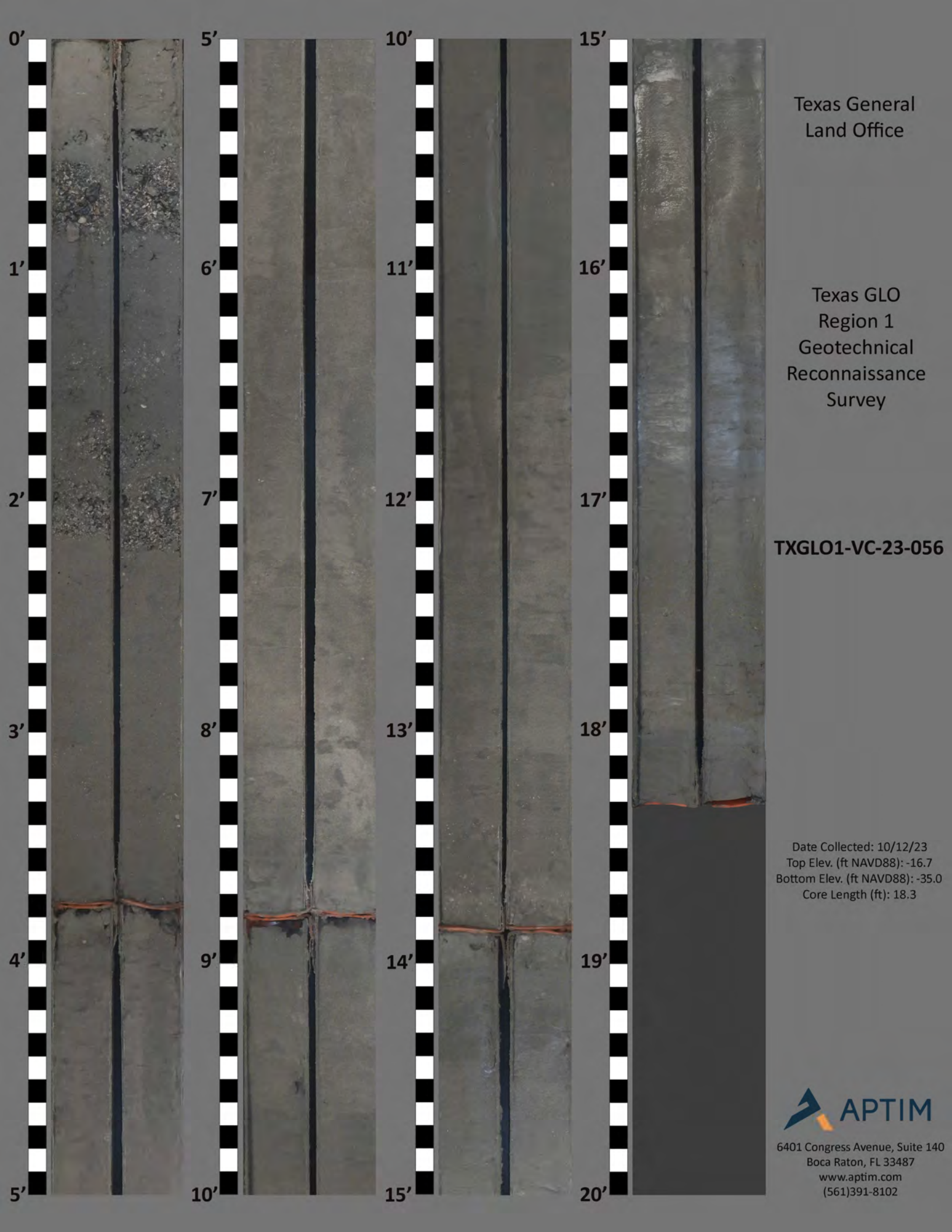
Refers to the Army Corps of Engineers Unified Soils Classification System. Class types are defined primarily by grain size, sorting and percent of material passing the #200 sieve. Classification of materials on the core logs based on visual field examinations are identified on the core logs under the 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-23-056				10. COORDINATE SYSTEM/DATUM Texas State Plane South		HORIZONTAL NAD 1983	
3. DRILLING AGENCY APTIM				11. MANUFACTURER'S DESIGNATION OF DRILL APTIM SEAS VC-700 Vibracore		VERTICAL NAVD88	
4. NAME OF DRILLER APTIM				12. TOTAL SAMPLES 5			
5. DIRECTION OF BORING ☒ VERTICAL ☐ 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 10-12-23			
8. TOTAL DEPTH OF BORING 18.8 Ft.				16. ELEVATION TOP OF BORING -16.7 Ft.			
				17. TOTAL RECOVERY FOR BORING 18.3 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	
-16.7	0.0						
-18.9	2.2		SAND, fine grained, quartz, some shell hash, trace clay, trace silt, clay distributed in laminae between 1.1' & 1.3', 2.5" shell hash pockets @ 1.7" and 2.0", dark gray (5Y-4/1), (SW-SM).		1	Sample #1, Depth = 1.1' Mean (mm): 0.19, Phi Sorting: 1.52 Fines (230): 11.40% Fines (200): 13.02% (SM)	
					2	Sample #2, Depth = 3.0' Mean (mm): 0.13, Phi Sorting: 0.63 Fines (230): 3.33% Fines (200): 3.83% (SP)	
-26.3	9.6		SAND, fine grained, quartz, trace shell fragments, trace silt, shell fragments are bivalve fragments, silt increases with depth in layer, gray (5Y-5/1), (SP).		3	Sample #3, Depth = 6.0' Mean (mm): 0.12, Phi Sorting: 0.41 Fines (230): 2.64% Fines (200): 3.70% (SP)	
-28.2	11.5		SAND, fine grained, quartz, little silt, trace whole shell, whole shells are bivalves up to 0.25", dark gray (5Y-4/1), (SP-SM).		4	Sample #4, Depth = 10.5' Mean (mm): 0.11, Phi Sorting: 0.56 Fines (230): 10.10% Fines (200): 11.98% (SP-SM)	
-29.7	13.0		SAND, fine grained, quartz, trace shell fragments, trace silt, gray (5Y-5/1), (SP).		3		
-33.0	16.3		SAND, fine grained, quartz, little clay, trace silt, clay distributed in pockets up to 1.5", silt increases with depth in layer, dark gray (5Y-4/1), (SC).		5	Sample #5, Depth = 14.5' Mean (mm): 0.09, Phi Sorting: 0.28 Fines (230): 16.20% Fines (200): 25.55% (SC)	
-35.0	18.3		FAT CLAY, firm, trace sand, fine grained, quartz, trace shell hash, trace silt, sand distributed in pockets up to 1.5", shell hash distributed in sand pockets, silt distributed in laminae, dark greenish gray (10Y-4/1), (CH).				
-35.5	18.8		No recovery.				
			End of Boring				

REGION 1 RECON GEOTECH GPJ 3/25/24



Texas General
Land Office

Texas GLO
Region 1
Geotechnical
Reconnaissance
Survey

TXGLO1-VC-23-056

Date Collected: 10/12/23
Top Elev. (ft NAVD88): -16.7
Bottom Elev. (ft NAVD88): -35.0
Core Length (ft): 18.3



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Granularmetric Report				 APTIM 6401 Congress Avenue, Suite 140 Boca Raton, FL 33487 ph (561) 391-8102			
Depths and elevations based on measured values							
Project Name: TX GLO Region 1 Recon Geotechnical Sand Search							
Sample Name: TXGLO1-VC-23-056 #1							
Analysis Date: 01-30-24							
Analyzed By: LH							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
3,326,905		13,687,141		Texas State Plane South		-17.8 NAVD88	
USCS:		Munsell:		Comments:			
SM		Wet - 5Y-4/1 Dry - 5Y-5/1 Washed - 5Y-6/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shell Hash (%):
95.82	85.60	0.71	0.00	#200 - 13.02 #230 - 11.40			
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	0.95	0.99	0.95	0.99	
5/16"	-3.00	8.00	0.50	0.52	1.45	1.51	
3.5	-2.50	5.66	0.43	0.45	1.88	1.96	
4	-2.25	4.76	0.36	0.38	2.24	2.34	
5	-2.00	4.00	0.56	0.58	2.80	2.92	
7	-1.50	2.83	1.23	1.28	4.03	4.20	
10	-1.00	2.00	1.63	1.70	5.66	5.90	
14	-0.50	1.41	1.77	1.85	7.43	7.75	
18	0.00	1.00	1.55	1.62	8.98	9.37	
25	0.50	0.71	1.35	1.41	10.33	10.78	
35	1.00	0.50	1.04	1.09	11.37	11.87	
45	1.50	0.35	0.62	0.65	11.99	12.52	
60	2.00	0.25	1.07	1.12	13.06	13.64	
80	2.50	0.18	4.85	5.06	17.91	18.70	
120	3.00	0.13	36.31	37.89	54.22	56.59	
170	3.50	0.09	26.88	28.05	81.10	84.64	
200	3.75	0.07	2.24	2.34	83.34	86.98	
230	4.00	0.06	1.55	1.62	84.89	88.60	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.49	3.33	2.91	2.58	2.23	-1.26	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.38	0.19	1.52	-2.33	7.78		

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-23-056 #2							
Analysis Date: 01-30-24							
Analyzed By: LH							
Easting (ft): 3,326,905		Northing (ft): 13,687,141		Coordinate System: Texas State Plane South		Elevation (ft): -19.7 NAVD88	
USCS: SP		Munsell: Wet - 5Y-5/1 Dry - 5Y-7/1 Washed - 5Y-7/1		Comments:			
Dry Weight (g): 97.20	Wash Weight (g): 94.12	Pan Retained (g): -7.87	Sieve Loss (%): 8.25	Fines (%): #200 - 3.83 #230 - 3.33	Organics (%):	Carbonates (%):	Shell Hash (%):
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	0.25	0.26	0.25	0.26	
5	-2.00	4.00	0.05	0.05	0.30	0.31	
7	-1.50	2.83	0.19	0.20	0.49	0.51	
10	-1.00	2.00	0.28	0.29	0.77	0.80	
14	-0.50	1.41	0.37	0.38	1.14	1.18	
18	0.00	1.00	0.29	0.30	1.43	1.48	
25	0.50	0.71	0.17	0.17	1.60	1.65	
35	1.00	0.50	0.16	0.16	1.76	1.81	
45	1.50	0.35	0.14	0.14	1.90	1.95	
60	2.00	0.25	0.35	0.36	2.25	2.31	
80	2.50	0.18	1.84	1.89	4.09	4.20	
120	3.00	0.13	33.53	34.50	37.62	38.70	
170	3.50	0.09	53.06	54.59	90.68	93.29	
200	3.75	0.07	2.80	2.88	93.48	96.17	
230	4.00	0.06	0.49	0.50	93.97	96.67	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.65	3.41	3.33	3.10	2.80	2.67	2.51	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.98	0.13	0.63	-5.19	37.2		

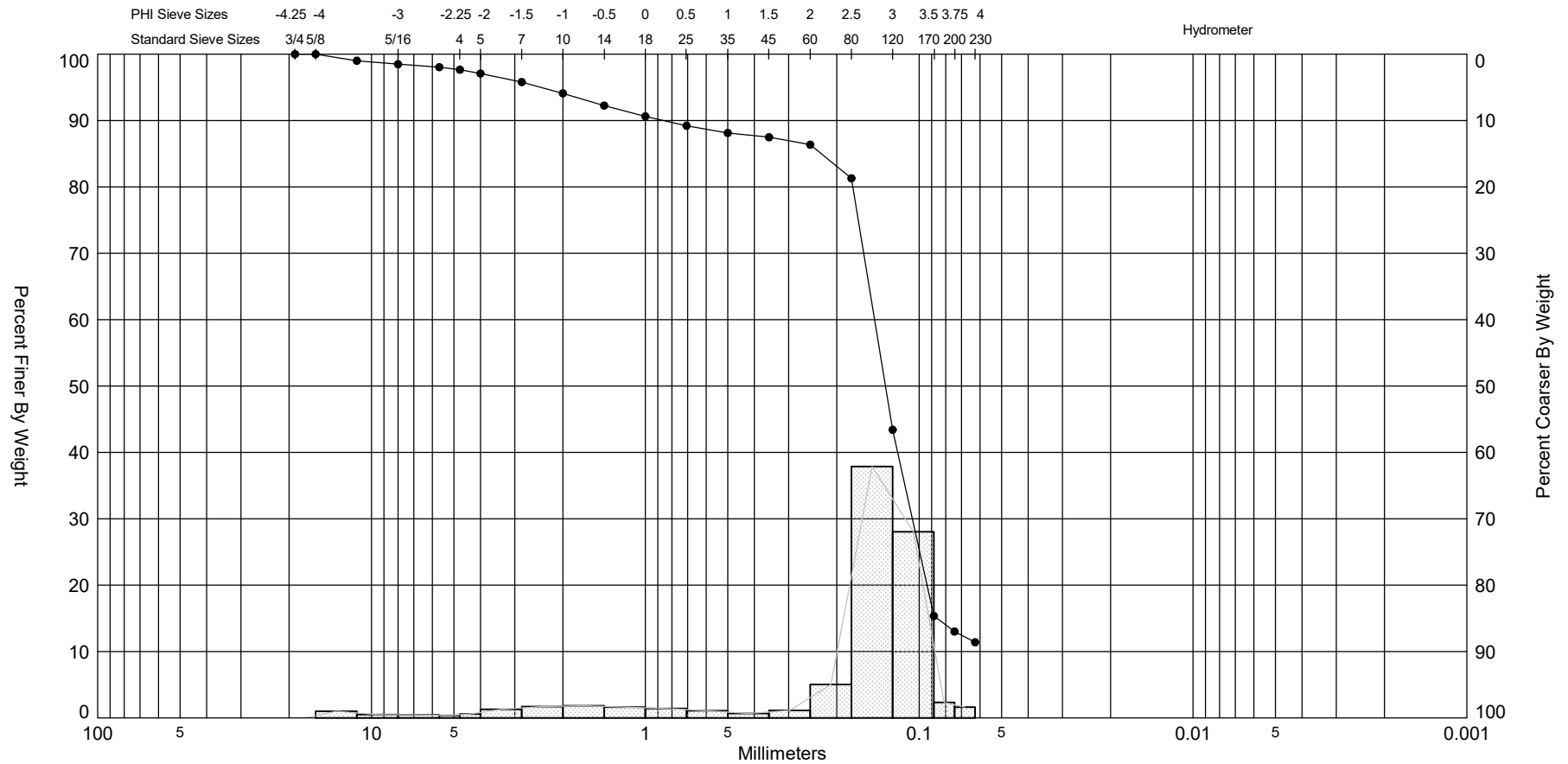
Granularmetric Report				 APTIM 6401 Congress Avenue, Suite 140 Boca Raton, FL 33487 ph (561) 391-8102			
Depths and elevations based on measured values							
Project Name: TX GLO Region 1 Recon Geotechnical Sand Search							
Sample Name: TXGLO1-VC-23-056 #3							
Analysis Date: 01-30-24							
Analyzed By: LH							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
3,326,905		13,687,141		Texas State Plane South		-22.7 NAVD88	
USCS:		Munsell:		Comments:			
SP		Wet - 5Y-5/1 Dry - 5Y-7/1 Washed - 5Y-7/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shell Hash (%):
95.94	93.62	0.17	0.03	#200 - 3.70 #230 - 2.64			
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	0.04	0.04	0.04	0.04	
7	-1.50	2.83	0.06	0.06	0.10	0.10	
10	-1.00	2.00	0.03	0.03	0.13	0.13	
14	-0.50	1.41	0.07	0.07	0.20	0.20	
18	0.00	1.00	0.07	0.07	0.27	0.27	
25	0.50	0.71	0.10	0.10	0.37	0.37	
35	1.00	0.50	0.12	0.13	0.49	0.50	
45	1.50	0.35	0.20	0.21	0.69	0.71	
60	2.00	0.25	0.63	0.66	1.32	1.37	
80	2.50	0.18	1.67	1.74	2.99	3.11	
120	3.00	0.13	28.00	29.18	30.99	32.29	
170	3.50	0.09	56.68	59.08	87.67	91.37	
200	3.75	0.07	4.73	4.93	92.40	96.30	
230	4.00	0.06	1.02	1.06	93.42	97.36	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
3.68	3.44	3.36	3.15	2.88	2.72	2.53	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	3.07	0.12	0.41	-4.24	40.95		

Granularmetric Report				 APTIM 6401 Congress Avenue, Suite 140 Boca Raton, FL 33487 ph (561) 391-8102			
Depths and elevations based on measured values							
Project Name: TX GLO Region 1 Recon Geotechnical Sand Search							
Sample Name: TXGLO1-VC-23-056 #4							
Analysis Date: 01-30-24							
Analyzed By: MS							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
3,326,905		13,687,141		Texas State Plane South		-27.2 NAVD88	
USCS:		Munsell:		Comments:			
SP-SM		Wet - 5Y-4/1 Dry - 5Y-7/1 Washed - 5Y-7/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shell Hash (%):
95.82	86.69	0.52	0.00	#200 - 11.98 #230 - 10.10			
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	0.32	0.33	0.32	0.33	
4	-2.25	4.76	0.10	0.10	0.42	0.43	
5	-2.00	4.00	0.03	0.03	0.45	0.46	
7	-1.50	2.83	0.08	0.08	0.53	0.54	
10	-1.00	2.00	0.11	0.11	0.64	0.65	
14	-0.50	1.41	0.06	0.06	0.70	0.71	
18	0.00	1.00	0.06	0.06	0.76	0.77	
25	0.50	0.71	0.06	0.06	0.82	0.83	
35	1.00	0.50	0.08	0.08	0.90	0.91	
45	1.50	0.35	0.08	0.08	0.98	0.99	
60	2.00	0.25	0.16	0.17	1.14	1.16	
80	2.50	0.18	0.06	0.06	1.20	1.22	
120	3.00	0.13	11.85	12.37	13.05	13.59	
170	3.50	0.09	64.06	66.85	77.11	80.44	
200	3.75	0.07	7.26	7.58	84.37	88.02	
230	4.00	0.06	1.80	1.88	86.17	89.90	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.62	3.46	3.27	3.09	3.02	2.65	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	3.17	0.11	0.56	-7.52	72.65		

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-23-056 #5							
Analysis Date: 01-30-24							
Analyzed By: MS							
Easting (ft): 3,326,905		Northing (ft): 13,687,141		Coordinate System: Texas State Plane South		Elevation (ft): -31.2 NAVD88	
USCS: SC		Munsell: Wet - 5Y-4/1 Dry - 5Y-7/1 Washed - 5Y-7/1		Comments:			
Dry Weight (g): 95.46	Wash Weight (g): 84.17	Pan Retained (g): 4.12	Sieve Loss (%): 0.04	Fines (%): #200 - 25.55 #230 - 16.20	Organics (%):	Carbonates (%):	Shell Hash (%):
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	0.04	0.04	0.04	0.04	
10	-1.00	2.00	0.01	0.01	0.05	0.05	
14	-0.50	1.41	0.01	0.01	0.06	0.06	
18	0.00	1.00	0.00	0.00	0.06	0.06	
25	0.50	0.71	0.02	0.02	0.08	0.08	
35	1.00	0.50	0.01	0.01	0.09	0.09	
45	1.50	0.35	0.01	0.01	0.10	0.10	
60	2.00	0.25	0.02	0.02	0.12	0.12	
80	2.50	0.18	0.04	0.04	0.16	0.16	
120	3.00	0.13	0.26	0.27	0.42	0.43	
170	3.50	0.09	46.25	48.45	46.67	48.88	
200	3.75	0.07	24.41	25.57	71.08	74.45	
230	4.00	0.06	8.93	9.35	80.01	83.80	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
		3.76	3.51	3.25	3.16	3.05	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	3.43	0.09	0.28	-4.47	82.98		

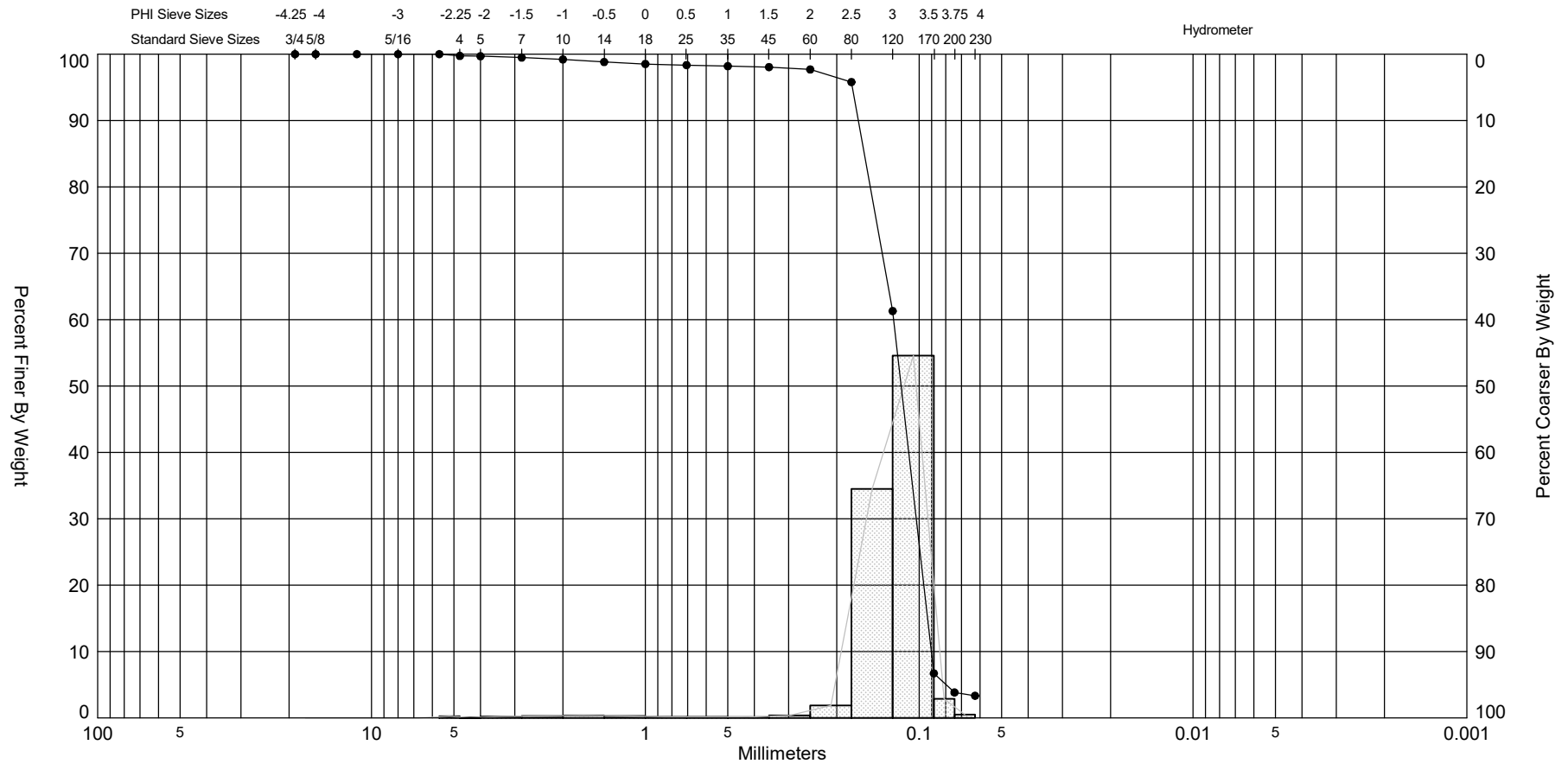
REGION1_RECON_GEOTECH.GPJ 3/6/24



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-23-056 #1	—●—	-17.8	SM	#200 - 13.02 #230 - 11.40			2.91	2.38	-2.33	7.78	1.52	Project Name:	TX GLO Region 1 Recon Geotechnical Sand Search
Comments:												Analysis Date:	01-30-24
Depths and elevations based on measured values												Analyzed By:	LH
							APTIM 6401 Congress Avenue, Suite 140 Boca Raton, FL 33487 ph (561) 391-8102					Easting (X, ft):	3,326,905
												Northing (Y, ft):	13,687,141
												Horizontal Datum:	NAD 1983
												Vertical Datum:	NAVD88

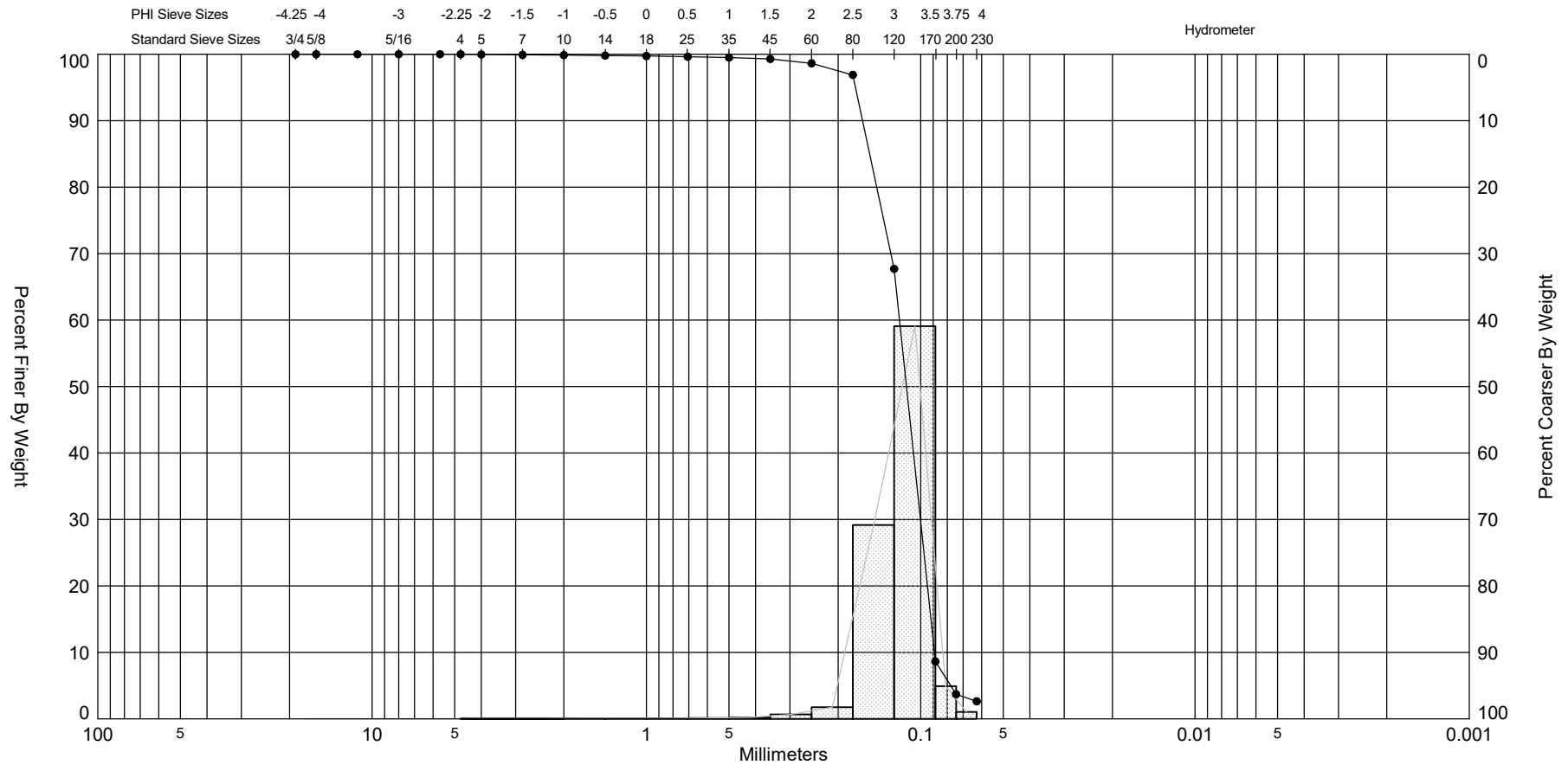
REGION1_RECON_GEOTECH.GPJ 3/6/24



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-23-056 #2	—●—	-19.7	SP	#200 - 3.83 #230 - 3.33			3.1	2.98	-5.19	37.2	0.63	Project Name:	TX GLO Region 1 Recon Geotechnical Sand Search
Comments:												Analysis Date:	01-30-24
Depths and elevations based on measured values												Analyzed By:	LH
							APTIM 6401 Congress Avenue, Suite 140 Boca Raton, FL 33487 ph (561) 391-8102					Easting (X, ft):	3,326,905
												Northing (Y, ft):	13,687,141
												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-23-056 #3	—●—	-22.7	SP	#200 - 3.70 #230 - 2.64			3.15	3.07	-4.24	40.95	0.41	Project Name:	TX GLO Region 1 Recon Geotechnical Sand Search
Comments:												Analysis Date:	01-30-24
Depths and elevations based on measured values												Analyzed By:	LH
							APTIM 6401 Congress Avenue, Suite 140 Boca Raton, FL 33487 ph (561) 391-8102					Easting (X, ft):	3,326,905
												Northing (Y, ft):	13,687,141
												Horizontal Datum:	NAD 1983
												Vertical Datum:	NAVD88



Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
TXGLO1-VC-23-056 #4		-27.2	SP-SM	#200 - 11.98 #230 - 10.10			3.27	3.17	-7.52	72.65	0.56	Project Name:	TX GLO Region 1 Recon Geotechnical Sand Search
Comments:												Analysis Date:	01-30-24
Depths and elevations based on measured values												Analyzed By:	MS
						APTIM 6401 Congress Avenue, Suite 140 Boca Raton, FL 33487 ph (561) 391-8102						Easting (X, ft):	3,326,905
												Northing (Y, ft):	13,687,141
												Horizontal Datum:	NAD 1983
												Vertical Datum:	NAVD88



Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
TXGLO1-VC-23-056 #5		-31.2	SC	#200 - 25.55 #230 - 16.20			3.51	3.43	-4.47	82.98	0.28	Project Name:	TX GLO Region 1 Recon Geotechnical Sand Search
Comments:												Analysis Date:	01-30-24
Depths and elevations based on measured values												Analyzed By:	MS
						APTIM 6401 Congress Avenue, Suite 140 Boca Raton, FL 33487 ph (561) 391-8102						Easting (X, ft):	3,326,905
												Northing (Y, ft):	13,687,141
												Horizontal Datum:	NAD 1983
												Vertical Datum:	NAVD88