

APPENDIX B

Boring Logs




SOIL BORING LOGS – MAY 2016

Date Start/Finish: 5-9-16/5-9-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 002-08-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, gray, moist, very stiff, low to medium plasticity, no odor, trace organic matter, orange-red SILT bands Skeet fragments	Soil (0.0-1.0' bgs)
		1	0-5	5				Brown, low plasticity, stiff, trace gray SILT, red-orange SILT banding, olive brown mottling, no organic matter, gypsum	
-5	-5					ML		Some CLAY, gray, stiff, olive brown mottling, red SILT lense, no red-orange SILT banding	
		2	5-10	5				Gypsum	Bentonite Chips (1.0-10' bgs)
								Very stiff	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-9-16/5-9-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 002-08-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, gray, moist, very stiff, low to medium plasticity, no odor, trace organic matter, orange-red SILT bands, gravel sub-angular to angular (0'-0.2')	Soil (0.0-1.0' bgs)
		1	0-5	5		ML			
-5	-5							CLAY, little SILT, gray, brown SILT lense, moist, very stiff, low to medium plasticity, no odor, olive brown mottling, red-orange SILT nodules, gypsum	
								SILT content decreases with depth	
		2	5-10	5		CL		Hard	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

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Date Start/Finish: 5-9-16/5-9-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 002-08-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, gray, moist, very stiff, low to medium plasticity, no odor, trace organic matter, orange-red SILT bands	
		1	0-5	5				Brown, low plasticity, stiff, trace gray SILT, red-orange SILT banding, olive brown mottling, no organic matter, gypsum	
								Yellow SILT lense	
-5	-5					ML		Some CLAY, gray, stiff, olive brown mottling, red SILT lense, no red-orange SILT banding	
		2	5-10	5				Gypsum	
								Very stiff	
-10	-10							End of boring 10' bgs	

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Date Start/Finish: 5-9-16/5-9-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 002-08-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, gray, moist, stiff, low to medium plasticity, no odor, organic matter, olive brown mottling, skeet fragments (0.2')	
		1	0-5	5		ML		Brown, medium stiff, low plasticity, gypsum, no organic matter, no CLAY	Soil (0.0-1.0' bgs)
-5	-5							CLAY, some SILT, gray, moist, very stiff, low to medium plasticity, no odor, olive brown mottling, red-brown SILT lense	
		2	5-10	5		CL		SILT content decreases with depth	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, trace CLAY (gray), brown, moist, medium stiff to stiff, low plasticity, no odor, trace gravel (sub-angular to angular), gypsum	
		1	0-5	5				CLAY, some SILT, gray, brown SILT, moist, very stiff, low to medium plasticity, no odor, olive brown mottling, trace white SILT nodules, trace gypsum	
-5	-5							SILT content decreases with depth	
		2	5-10	5		CL			
-10	-10							Red SILT band End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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0	0							SILT, trace CLAY, gray, moist, stiff, low to medium plasticity, no odor, organic matter, olive brown mottling, skeet fragments (0.2')	
		1	0-5	5		ML		Brown, medium stiff, low plasticity, gypsum, no organic matter, no CLAY	
								Yellow SILT lense	
-5	-5					CL		CLAY, some SILT, gray, moist, very stiff, low to medium plasticity, no odor, olive brown mottling, red-brown SILT lense	
		2	5-10	5				SILT content decreases with depth	
								Yellow SILT lense	
-10	-10							End of boring 10' bgs	

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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, gray, moist, very stiff, low to medium plasticity, no odor, red-orange SILT lense, red-orange SILT nodules	
		1	0-5	5		ML		Brown, medium stiff, low plasticity, gypsum	Soil (0.0-1.0' bgs)
-5	-5							CLAY, some SILT, gray, moist, very stiff, low to medium plasticity, olive brown mottling	
		2	5-10	5		CL		Gray with brown, orange-brown SILT lense, trace gypsum	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, little CLAY (gray), brown, moist, medium stiff, low plasticity, no odor, organic matter, gypsum, olive brown mottling, trace gravel (sub-angular to angular)	
		1	0-5	5		ML			Soil (0.0-1.0' bgs)
-5	-5							CLAY, some SILT (brown), gray, moist, stiff, low to medium plasticity, red-orange SILT lense	
								White SILT lense	
								Very stiff	Bentonite Chips (1.0-10' bgs)
		2	5-10	5		CL			
								Hard	
-10	-10							End of boring 10' bgs	

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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, gray, moist, very stiff, low to medium plasticity, no odor, red-orange SILT lense, red-orange SILT nodules	
		1	0-5	5		ML		Brown, medium stiff, low plasticity, gypsum	
								Yellow SILT lense	
-5	-5							CLAY, some SILT, gray, moist, very stiff, low to medium plasticity, olive brown mottling	
								Gray with brown, orange-brown SILT lense, trace gypsum	
		2	5-10	5		CL			
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5/8/16-5/8/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 004-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter, moist.	
		1	0-5	5				Gray, medium stiff to stiff, low plasticity, no odor, light brown mottling, trace organic matter.	Soil (0.0-1.0' bgs)
-5	-5					ML		Brown, soft, low plasticity, trace calcite, olive brown mottling.	
		2	5-10	5				Gray, medium stiff to stiff, low plasticity, no odor, light brown mottling, red SILT band.	Bentonite Chips (1.0-10' bgs)
								CLAY, brown, trace Silt, very stiff, low plasticity to medium plasticity, dark brown mottling, moist.	
-10	-10							End of boring 10' bgs	

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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, soft, low plasticity, no odor, organic matter, chert, moist.	
		1	0-5	5				Trace Clay, light brown, soft to medium stiff, trace gray Clay, trace gravel (sub-angular to angular), Silt nodules, red orange Silt lense, trace organic matter.	Soil (0.0-1.0' bgs)
-5	-5					ML		CLAY, brown, some gray Clay, stiff, no odor, red orange mottling, moist.	
		2	5-10	5				Minor dark gray mottling Gypsum	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

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Date Start/Finish: 5/8/16-5/8/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 004-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, soft, low plasticity, no odor, organic matter, trace gray Silt, moist.	
		1	0-5	5				Some Clay, gray with brown, stiff to medium stiff, low plasticity to medium plasticity, orange-brown mottling, red Silt bond, trace Calcite, moist.	Soil (0.0-1.0' bgs)
								Trace Clay, light brown, soft, low plasticity, moist.	
-5	-5					ML			
		2	5-10	5				CLAY, gray, some Silt, stiff, no odor, low plasticity to medium plasticity, orange-brown mottling, trace Calcite, trace red Silt, moist.	Bentonite Chips (1.0-10' bgs)
								Trace Silt, brown, very stiff, olive brown mottling. moist.	
-10	-10							End of boring 10' bgs	

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Date Start/Finish: 5/8/16-5/8/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 004-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, soft, low plasticity, no odor, organic matter, trace Gravel (sub-angular to angular), moist. Some CLAY, gray with brown, medium stiff, low plasticity to medium plasticity, darkbrown mottling, red Silt lenses, moist. at 0.5' bgs.	Soil (0.0-1.0' bgs)
		1	0-5	5					
-5	-5					ML		Brown, soft to medium stiff, low plasticity, trace gray Clay, moist. CLAY, trace Silt, stiff, no odor, medium plasticity, orange-red mottling, moist. Gypsum	Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
-10	-10							Brown, stiff, low plasticity to medium plasticity, Gypsum, moist at 9.8' bgs. End of boring 10' bgs	

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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, soft, low plasticity, no odor, organic matter, trace Gravel (sub-angular to angular), moist.	
		1	0-5	5				Some Clay, gray with brown, medium stiff, low plasticity to medium plasticity, darkbrown mottling, red Silt lenses, moist. at 0.5' bgs.	Soil (0.0-1.0' bgs)
-5	-5					ML		Brown, soft to medium stiff, low plasticity, trace gray Clay, moist.	
		2	5-10	5				CLAY, trace Silt, stiff, no odor, medium plasticity, orange-red mottling, moist.	Bentonite Chips (1.0-10' bgs)
								Gypsum	
-10	-10							Brown, stiff, low plasticity to medium plasticity, Gypsum, moist at 9.8' bgs.	
								End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, no odor, organic matter, trace gravel (sub-angular to angular), moist. Some Clay, gray, medium stiff, low plasticity to medium plasticity, no odor, trace organic matter, dark brown mottling, moist at 0.5' bgs. Trace Clay, brown, medium stiff, low plasticity, no odor, trace gray Silt, trace Calcite, moist.	Soil (0.0-1.0' bgs)
-5	-5	1	0-5	5		ML			
								CLAY, trace Silt, gray, stiff, no odor, low plasticity to medium plasticity, dark brown mottling, reddish brown Silt lenses, moist.	
		2	5-10	5				Brown, stiff, no odor, trace red Clay, gypsum. End of boring 10' bgs	Bentonite Chips (1.0-10' bgs)
-10	-10								

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0	0							SILT, brown, soft, low plasticity, no odor, organic matter, Silt nodules, moist. Some Clay, gray with brown, medium stiff, low plasticity to medium plasticity, trace organic matter, reddish brown mottling at 0.5' bgs. Red Silt lenses Brown, soft, low plasticity, Silt nodules, moist.	Soil (0.0-1.0' bgs)
5	-5	1	0-5	5		ML		CLAY, gray, trace Silt, trace brown, stiff, no odor, low plasticity to medium plasticity, olive brown mottling, trace Gypsum moist. Brown, stiff, low plasticity to medium plasticity, Gypsum bond, olive brown mottling, moist	Bentonite Chips (1.0-10' bgs)
10	-10	2	5-10	5				End of boring 10' bgs	

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0	0							SILT, brown, soft, low plasticity, no odor, organic matter, Silt nodules, moist. Some Clay, gray with brown, medium stiff, low plasticity to medium plasticity, trace organic matter, reddish brown mottling at 0.5' bgs. Red Silt lenses Brown, very soft, low plasticity, Silt nodules, moist.	Soil (0.0-1.0' bgs)
-5	-5	1	0-5	5		ML		CLAY, gray, trace Silt, trace brown, stiff, no odor, low plasticity to medium plasticity, olive brown mottling, trace amounts of Gypsum moist. Red Silt band Brown, very stiff, low plasticity to medium plasticity, Gypsum bond, olive brown mottling, moist	Bentonite Chips (1.0-10' bgs)
-10	-10	2	5-10	5				End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-7-16/5-7-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-03-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft, low plasticity, no odor, organic matter, trace white SILT	
		1	0-5	5	X			Skeet fragments	Soil (0.0-1.0' bgs)
-5	-5					ML		Some CLAY, gray, soft to medium stiff, low to medium plasticity, brown-orange mottling, trace calcite	
		2	5-10	5				Stiff	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-7-16/5-7-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-03-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft, low plasticity, no odor, organic matter	
		1	0-5	5	X			Trace skeet fragments (0'-5')	
-5	-5					ML		Gray, very soft, olive brown mottling, red SILT lense, abundant calcite	
								Chert fragments	
		2	5-10	5		CL		CLAY, some SILT, gray, moist, stiff, low to medium plasticity, no odor, minor olive brown mottling	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-7-16/5-7-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-03-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft, low plasticity, no odor, organic matter	
		1	0-5	5		ML		Trace CLAY, gray with brown, orange and brown mottling, calcite	Soil (0.0-1.0' bgs)
-5	-5								
		2	5-10	5		CL		CLAY, some SILT, gray, stiff, moist, low to medium plasticity, no odor, red to brown mottling, trace calcite	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-7-16/5-7-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-03-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, brown, moist, soft, low plasticity, no odor, organic matter Skeet fragments	
		1	0-5	5	X	ML		Skeet fragments	
								Olive brown, very soft, gray mottling	
-5	-5								
		2	5-10	5		CL		CLAY, some SILT, gray, moist, soft to medium stiff, low to medium plasticity, no odor, trace calcite, brown-orange mottling	
								Stiff. decrease in brown-orange mottling	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-7-16/5-7-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-03-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft, low plasticity, no odor, organic matter, trace gravel (sub-angular), white SILT lense	
		1	0-5	5	X			Skeet fragments	Soil (0.0-1.0' bgs)
-5	-5					ML		Gray, red-orange bands of SILT, abundant calcite, trace organic matter	
		2	5-10	5					Bentonite Chips (1.0-10' bgs)
						CL		CLAY, some SILT, gray, moist, stiff, low to medium plasticity, no odor, minor olive brown mottling	
-10	-10							Calcite band End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-7-16/5-7-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-03-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft, low plasticity, no odor, organic matter, dark brown SILT nodules, trace white SILT	
		1	0-5	5	X			Trace skeet fragments	Soil (0.0-1.0' bgs)
-5	-5					ML		Trace CLAY, gray with brown, red SILT lense, low to medium plasticity, calcite,	
		2	5-10	5				Very soft	Bentonite Chips (1.0-10' bgs)
						CL		CLAY, some SILT, gray, moist, stiff, low to medium plasticity, no odor, olive brown mottling	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-7-16/5-7-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-03-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft, low plasticity, no odor, organic matter, trace white SILT	
		1	0-5	5					Soil (0.0-1.0' bgs)
-5	-5					ML		Some CLAY, gray, soft to medium stiff, low to medium plasticity, brown-orange mottling, trace calcite	
		2	5-10	5				Decrease in brown-orange mottling	Bentonite Chips (1.0-10' bgs)
								Stiff	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-7-16/5-7-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-03-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft, no odor, organic matter, chert fragments	
		1	0-5	5	X	ML		Skeet fragments	Soil (0.0-1.0' bgs)
					X			Skeet fragments	
-5	-5							Gray, soft to medium stiff, red-brown mottling, calcite, trace organic matter	
		2	5-10	5					Bentonite Chips (1.0-10' bgs)
						CL		CLAY, some SILT, gray, moist, stiff, low to medium plasticity, no odor,	
10	10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-7-16/5-7-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-03-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft, low plasticity, no odor, organic matter, trace gravell (sub-angular to angular), chert fragments	
		1	0-5	3		ML		Trace CLAY, gray with brown, low to medium plasticity, red-brown SILT lense, calcite, orange mottling	Soil (0.0-1.0' bgs)
-5	-5								
		2	5-10	5		CL		CLAY, some SILT, gray, moist, stiff, low to medium plasticity, olive brown mottling, trace calcite	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5/7/16-5/7/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-04-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, soft, moist, no odor, low plasticity, organic matter, chert fragments	
		1	0-5	4	X			Skeet fragments	
						ML			
-5	-5	2	5-10	5				Low to medium plasticity Trace CLAY, gray with brown, orange-red mottling, calcite, trace organic matter	
						CL		CLAY, some SILT, gray, stiff, moist, no odor, low to medium plasticity, olive brown mottling, trace calcite	
-10	-10							End of Boring at 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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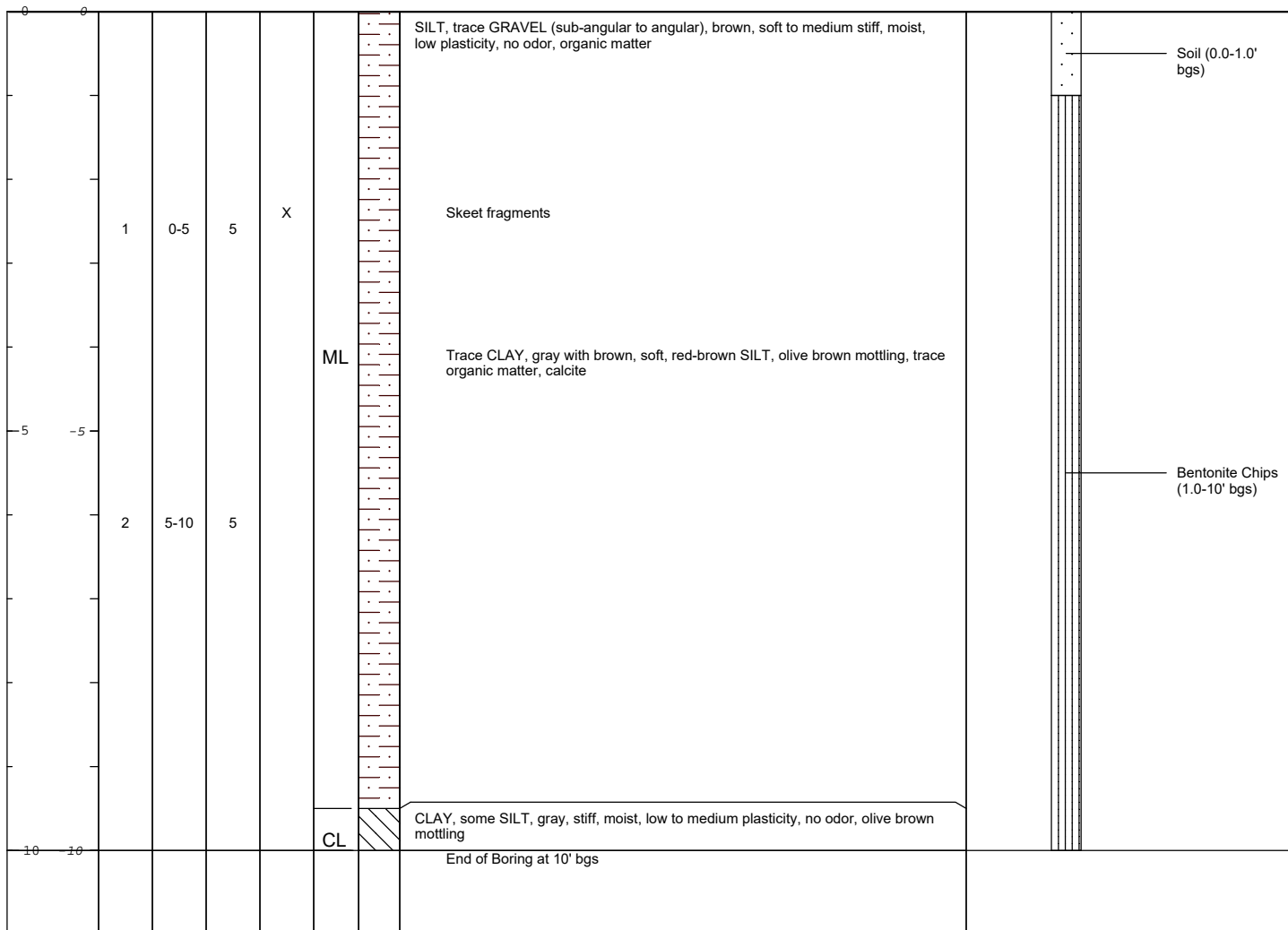
Date Start/Finish: 5/7/16-5/7/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-04-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, soft, moist, no odor, low plasticity, organic matter	
		1	0-5	5	X			Skeet fragments	
						ML		Trace CLAY, light brown, some gray, low to medium plasticity, orange-brown mottling	
-5	-5	2	5-10	5				Some CLAY, gray with brown, calcite, trace organic matter	
								CLAY, some SILT, gray, stiff, moist, no odor, low to medium plasticity, olive brown mottling, trace calcite	
						CL			
-10	-10							End of Boring at 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column		
								Stratigraphic Description	Well/Boring Construction




	<p>Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac</p> <p>Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88</p>
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Date Start/Finish: 5/7/16-5/7/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-04-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, soft, moist, low plasticity, no odor, organic matter	
		1	0-5	4	X			Trace skeet fragments	
								Chert fragments	
						ML		Trace CLAY, gray with brown, low to medium plasticity, orange-red mottling, calcite	
-5	-5	2	5-10	5					Bentonite Chips (1.0-10' bgs)
						CL		CLAY, some SILT, gray, stiff, moist, no odor, olive brown mottling	
-10	-10							End of Boring at 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5/7/16-5/7/16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-04-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace GRAVEL (sub-angular to angular), brown, soft, moist, low plasticity, no odor, organic matter	
		1	0-5	4	X			Skeet fragments	
						ML		Some CLAY, gray with brown, low to medium plasticity, calcite, gray SILT nodules	
-5	-5	2	5-10	5				Red SILT band	
						CL		CLAY, some SILT, gray, stiff, moist, no odor, low to medium plasticity, olive brown mottling	
-10	-10							End of Boring at 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5/7/16-5/7/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-04-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, soft, moist, low plasticity, no odor, organic matter	
		1	0-5	5	X			Skeet fragments	Soil (0.0-1.0' bgs)
-5	-5	2	5-10	5		ML		Trace CLAY, soft, moist, low plasticity, olive brown mottling, trace organic matter, red-orange SILT, trace calcite	Bentonite Chips (1.0-10' bgs)
-10	-10							End of Boring at 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5/7/16-5/7/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-04-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, brown, soft, moist, low plasticity, no odor, organic matter, Skeet fragments at 0.3 ft BGS	
		1	0-5	5	X			Skeet fragments	
-5	-5					ML		Trace CLAY, brown with gray, low to medium plasticity, calcite, light brown mottling, red SILT bands, chert fragments	
		2	5-10	5					
						CL		CLAY, some SILT, gray, stiff, moist, low to medium plasticity, olive brown mottling, no odor	
-10	-10							End of Boring at 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5/7/16-5/7/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-04-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace GRAVEL (sub-angular to angular), brown, soft, moist, low plasticity, no odor, organic matter	
		1	0-5	5	X			Skeet fragments White SILT nodules	Soil (0.0-1.0' bgs)
-5	-5					ML		Some CLAY, gray with brown, low to medium plasticity, olive brown mottling, trace organic matter, calcite, red-orange SILT bands	
		2	5-10	5					Bentonite Chips (1.0-10' bgs)
						CL		CLAY, some SILT, gray, stiff, moist, low to medium plasticity, no odor, trace calcite	
-10	-10							End of Boring at 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5/7/16-5/7/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-04-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, soft, moist, low plasticity, no odor, organic matter	
		1	0-5	5	X	ML		Skeet fragments	Soil (0.0-1.0' bgs)
-5	-5							Trace gray SILTY CLAY, trace GRAVEL, light brown, very soft, high plasticity, olive brown mottling, dark brown SILT nodules	
		2	5-10	4		MH			Bentonite Chips (1.0-10' bgs)
-10	-10							End of Boring at 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-7-16/5-7-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-06-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, organic matter, trace red silt nodules,	
		1	0-5	5	X			Skeet fragments	Soil (0.0-1.0' bgs)
-5	-5					ML		Trace CLAY, gray with brown, low to medium plasticity, orange/brown mottling, trace calcite	
		2	5-10	5					Bentonite Chips (1.0-10' bgs)
10	10					CL		CLAY, some SILT, gray, moist, low to medium plasticity, stiff, abundant calcite, olive brown mottling	
								End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-7-16/5-7-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-06-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, organic matter, trace red silt nodules,	
		1	0-5	5	X			Trace skeet fragments	Soil (0.0-1.0' bgs)
						ML		Trace CLAY, gray with brown, low to medium plasticity, orange/brown mottling, trace calcite	
-5	-5							White Silt	Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
						CL		CLAY, some SILT, gray, moist, low to medium plasticity, stiff, abundant calcite, olive brown mottling	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-7-16/5-7-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-06-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, organic matter, trace red silt nodules,	
		1	0-5	5	X			Trace skeet fragments	Soil (0.0-1.0' bgs)
						ML		Trace CLAY, gray with brown, low to medium plasticity, orange/brown mottling, trace calcite	
-5	-5							White Silt	
		2	5-10	5				Red silt lense	Bentonite Chips (1.0-10' bgs)
						CL		CLAY, some SILT, gray, moist, low to medium plasticity, stiff, abundant calcite, olive brown mottling	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-7-16/5-7-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-06-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft, low plasticity, no odor, organic matter,	
		1	0-5	5	X			Skeet fragments	Soil (0.0-1.0' bgs)
-5	-5					ML		Trace CLAY, gray with brown, soft to medium stiff, olive brown mottling, calcite	
		2	5-10	5					Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-7-16/5-7-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-06-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, brown, moist, soft, low plasticity, no odor, organic matter, Skeet fragments	
		1	0-5	5	X			Skeet fragments	
-5	-5					ML		Trace CLAY, gray with brown, soft to medium stiff, olive brown mottling, calcite	
		2	5-10	5				Red silt lense	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-7-16/5-7-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-06-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, brown, moist, soft, low plasticity, no odor, organic matter, Skeet fragments	
		1	0-5	5	X			Trace skeet fragments	
-5	-5					ML		Trace CLAY, gray with brown, soft to medium stiff, olive brown mottling, calcite	
		2	5-10	5				Red silt lense	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-7-16/5-7-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-06-C1 Client: USACE Location: Laredo, TX
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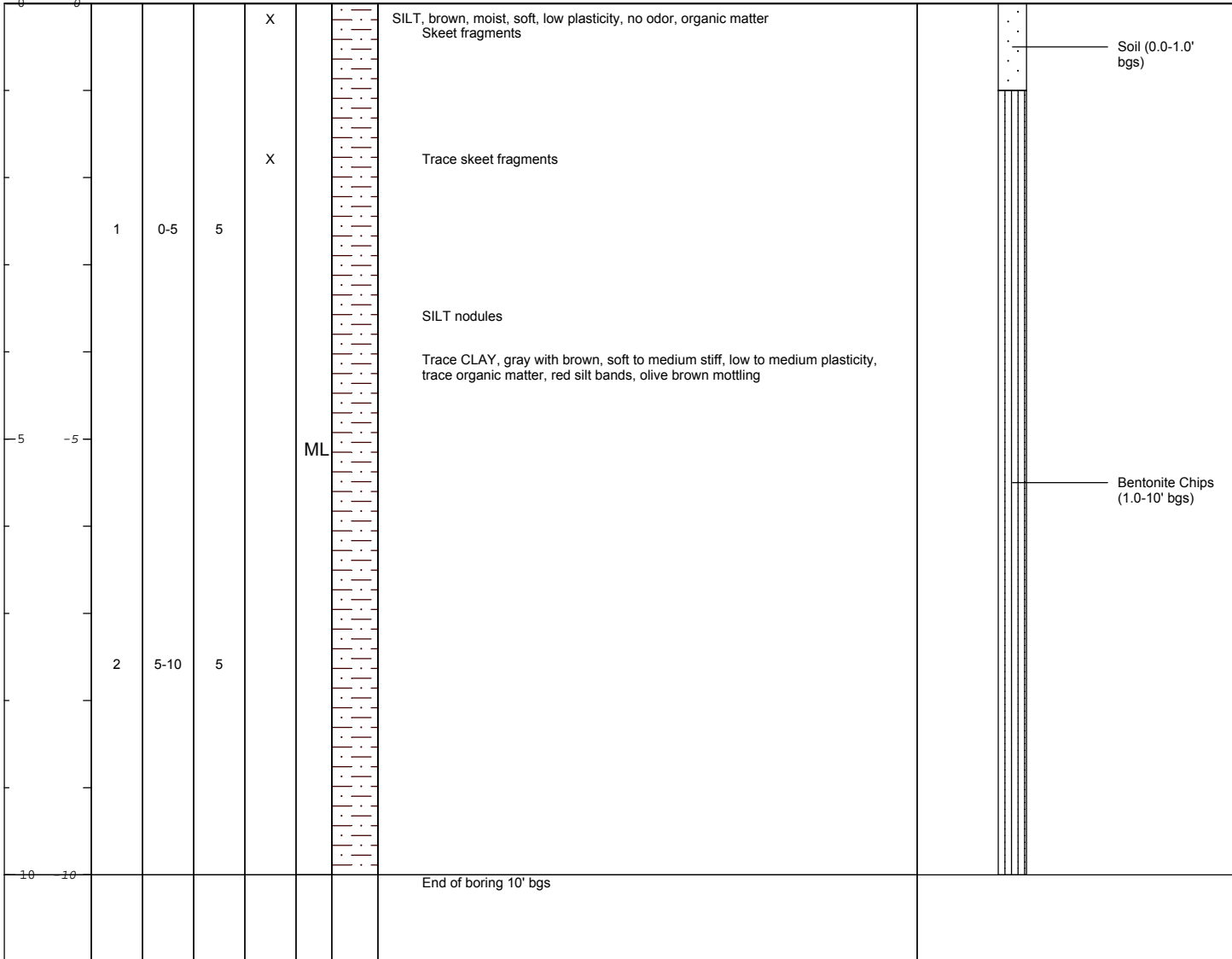
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft, low plasticity, no odor, organic matter	
		1	0-5	5	X			Skeet fragments	Soil (0.0-1.0' bgs)
								SILT nodules	
								Trace CLAY, gray with brown, soft to medium stiff, low to medium plasticity, trace organic matter, red silt bands, olive brown mottling	
-5	-5					ML			Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-7-16/5-7-16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010-06-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac


Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone

Elevations referenced to NAVD 88

Date Start/Finish: 5-9-16/5-9-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 016-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter, trace gravel (sub-angular to angular)	
		1	0-5	5	X			Trace CLAY, brown, soft to medium stiff, low plasticity, trace white SILT, skeet fragments (0.7") Abundant gravel/concrete fragments (0.3' thick)	Soil (0.0-1.0' bgs)
								Chert fragments	
								Some SAND, light brown, very soft, to soft, white SILT nodules, no CLAY	
-5	-5				X	ML		Skeet fragments	Bentonite Chips (1.0-10' bgs)
		2	5-10	5				Trace CLAY, brown with gray, very soft, white SILT lense, no SILT nodules, red-brown mottling	
								Soft	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-9-16/5-9-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 016-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter, trace gravel (sub-angular to angular)	
		1	0-5	5	X			Trace CLAY, brown, soft to medium stiff, low plasticity, trace white SILT, skeet fragments (0.7') Abundant gravel/concrete fragments (0.3' thick)	Soil (0.0-1.0' bgs)
								Chert fragments	
								Some SAND, light brown, very soft, to soft, white SILT nodules, no CLAY	
-5	-5				X	ML		Skeet fragments, medium stiff (5'-6')	Bentonite Chips (1.0-10' bgs)
		2	5-10	5				Trace CLAY, brown with gray, very soft, white SILT lense, no SILT nodules, red-brown mottling	
								Soft	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-9-16/5-9-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 016-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter, trace gravel (sub-angular to angular)	
		1	0-5	5	X			Trace CLAY, brown, soft to medium stiff, low plasticity, trace white SILT, skeet fragments (0.7') Abundant gravel/concrete fragments (0.3' thick)	Soil (0.0-1.0' bgs)
								Chert fragments	
-5	-5				X	ML		Some SAND, light brown, very soft, to soft, white SILT nodules, no CLAY, gypsum (4.5'-7') Skeet fragments, medium stiff (5'-6')	Bentonite Chips (1.0-10' bgs)
		2	5-10	5				Trace CLAY, brown with gray, very soft, white SILT lense, no SILT nodules, red-brown mottling	
								Soft	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-9-16/5-9-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 016-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter	
		1	0-5	5				Trace CLAY, brown, soft to medium stiff, trace gravel (sub-angular), white SILT lense Abundant gravel - concrete (0.7' thick)	Soil (0.0-1.0' bgs)
								Chert fragments	
								Some SAND, light brown, very soft,	
-5	-5					ML		Little CLAY, gray with brown, low to medium plasticity, red - brown SILT lense, white SILT lense	Bentonite Chips (1.0-10' bgs)
		2	5-10	5				Olive brown mottling	
								Soft	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-9-16/5-9-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 016-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter	
		1	0-5	5				Trace CLAY, brown, soft to medium stiff, trace gravel (sub-angular), white SILT lense Abundant gravel - concrete (0.7' thick)	Soil (0.0-1.0' bgs)
								Chert fragments	
								Some SAND, light brown, very soft,	
-5	-5					ML		Little CLAY, gray with brown, low to medium plasticity, red - brown SILT lense, white SILT lense	
		2	5-10	5				Gypsum	Bentonite Chips (1.0-10' bgs)
								Olive brown mottling	
								Soft	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-9-16/5-9-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 016-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter	
		1	0-5	5				Trace CLAY, brown, soft to medium stiff, trace gravel (sub-angular), white SILT lense Abundant gravel - Concrete (0.7' thick)	Soil (0.0-1.0' bgs)
-5	-5					ML		Some SAND, light brown, very soft,	
								Little CLAY, gray with brown, low to medium plasticity, red - brown SILT lense, white SILT lense	Bentonite Chips (1.0-10' bgs)
		2	5-10	5				Olive brown mottling	
								Soft	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-9-16/5-9-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 016-C2, C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, brown, moist, very soft, low plasticity, no odor, organic matter, trace gravel (sub-angular to angular), skeet fragments (0'-0.7') Little CLAY, brown, medium stiff to stiff, low to medium plasticity, dark brown SILT nodules, trace white SILT Abundant gravel - Concrete slab	Soil (0.0-1.0' bgs)
-5	-5	1	0-5	5		ML		Trace CLAY, very soft, olive brown, low plasticity, red - brown SILT lense, trace gypsum	Bentonite Chips (1.0-10' bgs)
-10	-10	2	5-10	5				End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-5-16/5-5-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 038-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor,	
		1	0-5	3.7	X	ML		Skeet Fragments	Soil (0.0-1.0' bgs)
								Asphalt, dark black, moist, loose, abundant gravel, odor	
								SILT, brown, moist, low plasticity to medium plasticity, soft, no odor	
								trace gray, moist to wet, high plasticity, very soft	
-5	-5								Bentonite Chips (1.0-10' bgs)
		2	5-10	4		MH			
								gray with brown, trace white, soft to very soft, moist, low plasticity, calcite	
						ML			
-10	-10							End of Boring 10' bgs.	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-5-16/5-5-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 038-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, organic matter, trace gravel	
		1	0-5	3		ML			Soil (0.0-1.0' bgs)
-5	-5							Trace clay, light brown, trace white, moist to wet, very soft, high plasticity	
		2	5-10	5		MH		Low plasticity, soft	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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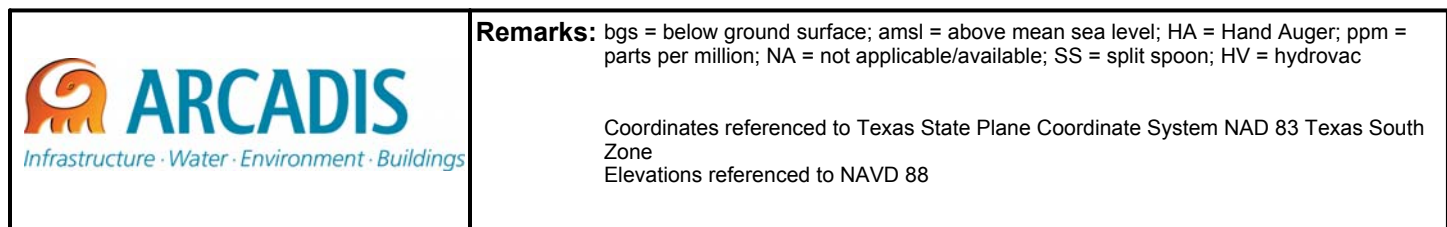
Date Start/Finish: 5-5-16/5-5-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 038-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, low plasticity, soft, no odor, organic matter	
		1	0-5	4		ML		Trace clay, brown, very soft, high plasticity, moist to wet	Soil (0.0-1.0' bgs)
-5	-5								
		2	5-10	4		ML		Gray with brown, moist, low plasticity, soft to medium stiff, red silt lenses, calcite	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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Date Start/Finish: 5-5-16/5-5-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 038-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, organic matter	
		1	0-5	5		ML		Trace clay, light brown, trace white, moist to wet, high plasticity, very soft, no odor, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5								
		2	5-10	5		ML		Moist, low - medium plasticity, soft. increase in white SIL:T, minor calcite	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-5-16/5-5-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 038-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft to medium stiff, no odor, organic matter, red silt lenses	
		1	0-5	4		ML		Soft, moist to wet	Soil (0.0-1.0' bgs)
-5	-5								
		2	5-10	4		ML		Light brown, very soft, high plasticity, trace white	Bentonite Chips (1.0-10' bgs)
								Gray with brown, moist, low plasticity, soft to medium stiff, calcite	
-10	-10					ML			
								End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-5-16/5-5-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 038-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, trace white, low plasticity, moist, no odor, organic matter	
		1	0-5	4		ML		Trace clay, brown, moist to wet, very soft, low to medium plasticity	Soil (0.0-1.0' bgs)
-5	-5							Light brown, high plasticity, trace organic matter	
		2	5-10	4		ML		Olive brown, moist, low plasticity, soft - medium stiff, gray silt lenses, calcite	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-5-16/5-5-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 038-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, low plasticity, soft, no odor, organic matter	
		1	0-5	4		ML		Trace gravel	Soil (0.0-1.0' bgs)
								Brown, moist to wet, very soft, low to medium plasticity	
-5	-5								
		2	5-10	4		MH		Trace CLAY, light brown, high plasticity, trace white SILT, trace organic matter	
						ML		Gray with brown, moist, low plasticity, soft to medium stiff, trace calcite, dark brown lenses	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-5-16/5-5-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 040-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft to medium stiff, low plasticity, no odor, organic matter	
		1	0-5	4	X	ML		Trace skeet fragments	
								Light brown, moist, to wet, very soft, high plasticity	
-5	-5					MH			
		2	5-10	4		ML		Olive brown, low plasticity, trace SAND	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-5-16/5-5-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 040-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft to medium stiff, low plasticity, no odor, organic matter	
		1	0-5	4	X	ML		Skeet fragments	Soil (0.0-1.0' bgs)
								Light brown, moist, to wet, very soft, high plasticity	
-5	-5					MH			
		2	5-10	4		ML		Wet (7'-8')	Bentonite Chips (1.0-10' bgs)
								Olive brown, low plasticity, trace SAND	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-5-16/5-5-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 040-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, no odor, organic matter	
		1	0-5	4.8		ML		Trace very fine SAND, light brown, very soft, high plasticity	Soil (0.0-1.0' bgs)
-5	-5					MH			
		2	5-10	4		ML		Wet (7.5'-8') Olive brown, low plasticity,	Bentonite Chips (1.0-10' bgs)
-10	-10							Gray SILT, calcite End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-5-16/5-5-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 040-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, dark brown, moist, soft to medium stiff, low plasticity, no odor, organic matter	
		1	0-5	4.5					
						MH		Trace SAND, brown, moist to wet, very soft, high plasticity, trace organic matter, chert	
-5	-5								
		2	5-10	4				Wet (6.4'-7.4'), some SAND	
						ML		Olive brown, moist, soft to medium stiff, low plasticity, trace calcite	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-5-16/5-5-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 040-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft to medium stiff, low plasticity, no odor, organic matter	
		1	0-5	4.5	X	ML		Skeet fragments	Soil (0.0-1.0' bgs)
								Trace SAND, brown, moist to wet, very soft, high plasticity, trace organic matter, chert	
-5	-5					MH		Wet (6.4'-7.4'), some SAND	Bentonite Chips (1.0-10' bgs)
		2	5-10	4				Olive brown, moist, soft to medium stiff, low plasticity, trace calcite	
						ML			
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-5-16/5-5-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 040-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, no odor, organic matter	
		1	0-5	3.5		ML		Trace very fine SAND, light brown, moist to wet, very soft, high plasticity,	Soil (0.0-1.0' bgs)
-5	-5					MH		WET (7'-8.3')	Bentonite Chips (1.0-10' bgs)
		2	5-10	5		ML		Olive brown, moist, soft, low plasticity, light gray mottling	
								Minor gray SILT, dark orange SILT lense, calcite	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-5-16/5-5-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 040-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft to medium stiff, low plasticity, no odor, organic matter	
		1	0-5	4.5	X	ML		Skeet fragments	Soil (0.0-1.0' bgs)
								Light brown, moist to wet, high plasticity, very soft	
-5	-5					MH		Trace SAND	Bentonite Chips (1.0-10' bgs)
		2	5-10	5				Trace SAND, olive brown, moist, low plasticity, very soft, white SILT lense	
						ML			
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-5-16/5-5-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 040-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft to medium stiff, low plasticity, no odor, organic matter	
		1	0-5	4.5	X	ML		Skeet fragments	Soil (0.0-1.0' bgs)
								Light brown, moist to wet, high plasticity, very soft	
-5	-5					MH		Trace SAND	
		2	5-10	5				WET (6.5'-7.0')	Bentonite Chips (1.0-10' bgs)
								Trace SAND, olive brown, moist, low plasticity, very soft, white SILT lense	
						ML			
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-5-16/5-5-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 040-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, no odor, organic matter, trace gravel	
		1	0-5	4		ML			Soil (0.0-1.0' bgs)
								Some very fine SAND, light brown, moist to wet, very soft, high plasticity,	
-5	-5					MH			
		2	5-10	5					Bentonite Chips (1.0-10' bgs)
								Olive brown, moist, soft, low plasticity, gray mottling	
						ML		Calcite	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 044-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft to medium stiff, low plasticity, no odor, organic matter, white SILT lense	
		1	0-5	4.8	X			Skeet fragments	Soil (0.0-1.0' bgs)
-5	-5					ML			
		2	5-10	5				Trace CLAY, brown with gray, medium stiff, medium plasticity, calcite, trace red SILT	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 044-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft to medium stiff, low plasticity, no odor, organic matter, white SILT lense	
		1	0-5	4.8					Soil (0.0-1.0' bgs)
-5	-5					ML			
		2	5-10	5				Trace CLAY, brown with gray, medium stiff, medium plasticity, calcite, trace red SILT	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 044-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, brown, moist, soft to medium stiff, low plasticity, no odor, organic matter, white SILT ^{lense} Skeet Fragments	Soil (0.0-1.0' bgs)
		1	0-5	4.8					
-5	-5					ML		Trace CLAY, brown with gray, medium stiff, medium plasticity, calcite, trace red SILT	Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 044-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter	
								Brown, medium stiff, low plasticity, trace organic matter	
					X			Skeet Fragments	
		1	0-5	5				Trace gravel (sub-angular)	Soil (0.0-1.0' bgs)
-5	-5					ML			
								Trace CLAY, brown with gray, white SILT lense	
		2	5-10	5					
								Dark brown, very soft (9.4'-9.6')	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 044-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter	
								Brown, medium stiff, low plasticity, trace organic matter	Soil (0.0-1.0' bgs)
		1	0-5	5				Trace gravel (sub-angular)	
-5	-5					ML		Trace CLAY, brown with gray, white SILT lense	Bentonite Chips (1.0-10' bgs)
		2	5-10	5				Dark brown, very soft (9.4'-9.6')	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 044-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter	
								Brown, medium stiff, low plasticity, trace organic matter	
								Skeet fragments (1.5'-1.7')	
		1	0-5	5	X			Trace gravel (sub-angular)	Soil (0.0-1.0' bgs)
-5	-5					ML		Trace CLAY, brown with gray, white SILT lense	
		2	5-10	5				Dark brown, very soft (9.4'-9.6')	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 044-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft to medium stiff, low plasticity, no odor, trace white SILT, organic matter	
		1	0-5	5				Trace gravel White SILT band	Soil (0.0-1.0' bgs)
-5	-5					ML		Trace CLAY, olive brown with gray, trace organic matter, calcite	
		2	5-10	5				Gray, stiff	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 044-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft to medium stiff, low plasticity, no odor, trace white SILT, organic matter	
		1	0-5	5				Trace gravel White SILT band	Soil (0.0-1.0' bgs)
-5	-5					ML		Trace CLAY, olive brown with gray, trace organic matter, calcite	
		2	5-10	5				Gray, stiff	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 044-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft to medium stiff, low plasticity, no odor, trace white SILT, organic matter	
		1	0-5	5	X			Skeet fragments	
								Bivalve shells	
								Trace gravel White SILT band	
-5	-5					ML		Trace CLAY, olive brown with gray, trace organic matter, calcite	
		2	5-10	5					
								Gray, stiff	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 046-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft to medium stiff, low plasticity, no odor, organic matter. (surface skeet fragments observed).	
		1	0-5	5		ML		Trace CLAY (gray), light brown, medium stiff, low to medium plasticity, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5							CLAY, some SILT, gray, brown SILT, moist, medium stiff to stiff, low to medium plasticity, no odor, gypsum, olive brown mottling, red-brown SILT lense, yellow mottling SILT content decreases with depth Stiff	
		2	5-10	5		CL		Gypsum lense	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 046-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft to medium stiff, low plasticity, no odor, organic matter. (surface skeet fragments observed).	
		1	0-5	5		ML		Trace CLAY (gray), light brown, medium stiff, low to medium plasticity, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5							CLAY, some SILT, gray, brown SILT, moist, medium stiff to stiff, low to medium plasticity, no odor, gypsum, olive brown mottling, red-brown SILT lense, yellow mottling	
								SILT content decreases with depth	
								Stiff	
		2	5-10	5		CL		Gypsum lense	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 046-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft to medium stiff, low plasticity, no odor, organic matter. (surface skeet fragments observed).	
		1	0-5	5		ML		Trace CLAY (gray), light brown, medium stiff, low to medium plasticity, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5							CLAY, some SILT, gray, brown SILT, moist, medium stiff to stiff, low to medium plasticity, no odor, gypsum, olive brown mottling, red-brown SILT lense, yellow mottling SILT content decreases with depth Stiff	
		2	5-10	5		CL		Gypsum lense	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 046-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0								
		1	0-5	5		ML		SILT, dark brown, moist, soft to medium stiff, low plasticity, no odor, organic matter, trace chert, trace white SILT. (surface skeet fragments observed). Trace CLAY (gray), medium stiff, low to medium plasticity, olive brown mottling, trace gypsum, trace organic matter, white SILT nodules	Soil (0.0-1.0' bgs)
-5	-5								
		2	5-10	5		CL		CLAY, little SILT, gray, brown SILT, moist, stiff, medium plasticity, no odor, olive brown mottling, gypsum, red-brown SILT lense, yellow mottling	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 046-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					X		SILT, dark brown, moist, soft to medium stiff, low plasticity, no odor, organic matter, trace chert, trace white SILT. (surface skeet fragments observed).	
		1	0-5	5		ML		Trace CLAY (gray), medium stiff, low to medium plasticity, olive brown mottling, trace gypsum, trace organic matter, white SILT nodules	Soil (0.0-1.0' bgs)
-5	-5							CLAY, little SILT, gray, brown SILT, moist, stiff, medium plasticity, no odor, olive brown mottling, gypsum, red-brown SILT lense, yellow mottling	
		2	5-10	5		CL			Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 046-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0								
		1	0-5	5		ML		SILT, dark brown, moist, soft to medium stiff, low plasticity, no odor, organic matter, trace chert, trace white SILT. (surface skeet fragments observed). Trace CLAY (gray), medium stiff, low to medium plasticity, olive brown mottling, trace gypsum, trace organic matter, white SILT nodules	Soil (0.0-1.0' bgs)
-5	-5								
		2	5-10	5		CL		CLAY, little SILT, gray, brown SILT, moist, stiff, medium plasticity, no odor, olive brown mottling, gypsum, red-brown SILT lense, yellow mottling	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 046-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, dark brown, moist, soft to medium stiff, low plasticity, no odor, organic matter. (surface skeet fragments observed).	
		1	0-5	5	X	ML		Trace skeet fragments	
								Trace CLAY (gray), light brown, medium stiff, low to medium plasticity, gypsum, olive brown mottling, red SILT, trace organic matter	
-5	-5							CLAY, some SILT, gray, brown SILT, moist, stiff, medium plasticity, no odor, olive brown mottling, gypsum, red-brown SILT lense	
		2	5-10	5		CL			
10	10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 046-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					X		SILT, dark brown, moist, soft to medium stiff, low plasticity, no odor, organic matter. (surface skeet fragments observed).	
		1	0-5	5		ML		Trace CLAY (gray), light brown, medium stiff, low to medium plasticity, gypsum, olive brown mottling, red SILT, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5					CL		CLAY, some SILT, gray, brown SILT, moist, stiff, medium plasticity, no odor, olive brown mottling, gypsum, red-brown SILT lense	Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 046-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0								
		1	0-5	5		ML		SILT, dark brown, moist, soft to medium stiff, low plasticity, no odor, organic matter, skeet fragments (0.1'). (surface skeet fragments observed). Trace CLAY (gray), light brown, medium stiff, low to medium plasticity, gypsum, olive brown mottling, red SILT, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5							CLAY, some SILT, gray, brown SILT, moist, stiff, medium plasticity, no odor, olive brown mottling, gypsum, red-brown SILT lense	
		2	5-10	5		CL			Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 050-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter	
								Brown, soft to medium stiff, trace organic matter, trace white silt	Soil (0.0-1.0' bgs)
		1	0-5	5	X			Skeet fragments. Light brown, very soft, medium plasticity, white silt lense, red-brown silt lense	
								Some SAND, olive brown, low to medium plasticity, trace gray CLAY,	
-5	-5					ML			Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
						CL		CLAY, little SILT, little SAND, moist, stiff, no odor, low to medium plasticity, red-brown SILT lense	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 050-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter	
								Brown, soft to medium stiff, trace organic matter, trace white silt	Soil (0.0-1.0' bgs)
		1	0-5	5				Light brown, very soft, medium plasticity, white silt lense, red-brown silt lense	
								Some SAND, olive brown, low to medium plasticity, trace gray CLAY,	
-5	-5					ML			
		2	5-10	5				Dark brown SILT band	
						CL		CLAY, little SILT, little SAND, moist, stiff, no odor, low to medium plasticity, red-brown SILT lense	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 050-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter Skeet fragments Brown, soft to medium stiff, trace organic matter, trace white silt	
		1	0-5	5	X			Skeet fragments Light brown, very soft, medium plasticity, white silt lense, red-brown silt lense Some SAND, olive brown, low to medium plasticity, trace gray CLAY,	Soil (0.0-1.0' bgs)
-5	-5					ML			
		2	5-10	5				Dark brown SILT band	
						CL		CLAY, little SILT, little SAND, moist, stiff, no odor, low to medium plasticity, red-brown SILT lense	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 050-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter Brown, soft, trace organic matter, trace white silt	
		1	0-5	5	X			Skeet fragments. Some SAND, light brown, very soft, medium plasticity	
								Olve brown, very soft to soft, low to medium plasticity, white silte lense	
-5	-5					ML			
		2	5-10	4				WET Trace gray CLAY	
						CL		CLAY, some SAND, little SILT, moist, stiff, low to medium plasticity, no odor, red-brown mottling, gypsum	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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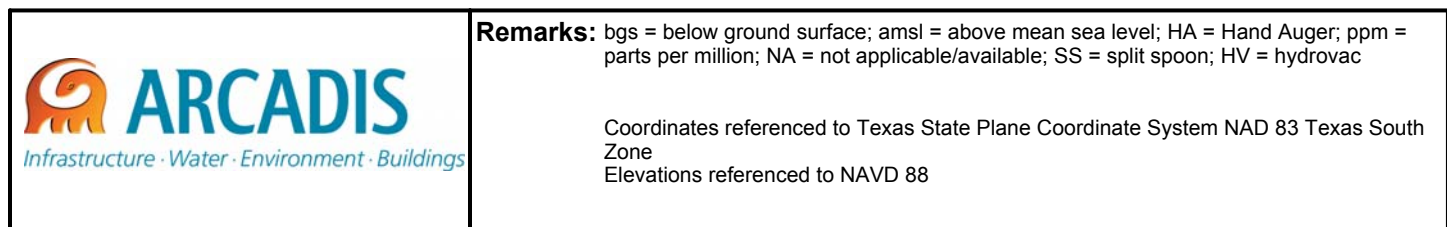
Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 050-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter. Skeet fragments (0.2'). Brown, soft, trace organic matter, trace white silt	Soil (0.0-1.0' bgs)
		1	0-5	5		ML		Some SAND, light brown, very soft, medium plasticity Olive brown, very soft to soft, low to medium plasticity, white silte lense	
-5	-5							WET Trace gray CLAY	Bentonite Chips (1.0-10' bgs)
		2	5-10	4					
						CL		CLAY, some SAND, little SILT, moist, stiff, low to medium plasticity, no odor, red-brown mottling, gypsum	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 050-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter Brown, soft, low to medium plasticity, white silt lense, trace organic matter Light brown, very soft, medium plasticity, white silt lense Some SAND, olive brown, low to medium plasticity, trace gray CLAY WET	Soil (0.0-1.0' bgs) Bentonite Chips (1.0-10' bgs)
-5	-5	1	0-5	5		ML			
		2	5-10	4		CL		CLAY, little SAND, little SILT, gray, moist, stiff, low to medium plasticity, no odor, red-brown silt, white silt lense, trace gypsum	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 050-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter Brown, soft, low to medium plasticity, white silt lense, trace organic matter	
		1	0-5	5		ML		Light brown, very soft, medium plasticity, white silt lense	Soil (0.0-1.0' bgs)
								Some SAND, olive brown, low to medium plasticity, trace gray CLAY	
-5	-5							WET (6'-6.5'), high plasticity	Bentonite Chips (1.0-10' bgs)
		2	5-10	4		ML			
						CL		CLAY, little SAND, little SILT, gray, moist, stiff, low to medium plasticity, no odor, red-brown silt, white silt lense, trace gypsum	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-9-16/5-9-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 053-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft to soft, low plasticity, no odor, organic matter	
								Brown, soft to medium stiff, trace organic matter, trace white SILT	Soil (0.0-1.0' bgs)
		1	0-5	5		ML		Trace CLAY (gray), olive brown, very soft to soft, red-brown SILT lense	
								Gypsum	
-5	-5								
		2	5-10	3.5		CL		CLAY, some SILT, gray, moist, medium stiff, low to medium plasticity, no odor, gypsum, red SILT lense, olive brown mottling	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 053-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft to soft, low plasticity, no odor, organic matter	
								Brown, soft to medium stiff, trace organic matter, trace white SILT	
		1	0-5	5				Trace CLAY (gray), olive brown, very soft to soft, red-brown SILT lense	
						ML			
-5	-5							Gypsum	
		2	5-10	3.5				CLAY, some SILT, gray, moist, medium stiff, low to medium plasticity, no odor, gypsum, red SILT lense, olive brown mottling, Red-purple SILT band (7.2')	
						CL			
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 053-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft to soft, low plasticity, no odor, organic matter	
								Brown, soft to medium stiff, trace organic matter, trace white SILT	Soil (0.0-1.0' bgs)
		1	0-5	5		ML		Trace CLAY (gray), olive brown, very soft to soft, red-brown SILT lense	
								Gypsum	
-5	-5								
		2	5-10	3.5		CL		CLAY, some SILT, gray, moist, medium stiff, low to medium plasticity, no odor, gypsum, red SILT lense, olive brown mottling	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 053-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, moist, no odor, organic matter	
		1	0-5	5		ML		Brown, soft to medium stiff, trace organic matter, white SILT lense	Soil (0.0-1.0' bgs)
								Dark brown SILT lense	
								Trace CLAY, olive brown, soft, red-brown mottling, white SILT, gypsum	
-5	-5								
		2	5-10	5		CL		CLAY, some SILT, gray, moist, stiff, no odor, red SILT lense, light brown mottling, gypsum	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 053-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, dark brown, moist, very soft, low plasticity, moist, no odor, organic matter, skeet fragments (0.3')	
		1	0-5	5				Brown, soft to medium stiff, trace organic matter, white SILT lense, trace gravel (sub-angular to angular)	Soil (0.0-1.0' bgs)
								Dark brown SILT lense	
								Trace CLAY, olive brown, soft, red-brown mottling, white SILT, gypsum	
-5	-5					ML			
		2	5-10	5				Some SAND, olive brown, very soft, red-brown SILT lense, gypsum	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 053-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, organic matter	
								Brown, low plasticity, soft, trace organic matter, trace white SILT	
								Chert fragments	
		1	0-5	5				Little SAND, olive brown, red - brown SILT, trace white SILT, gypsum	
						ML			
-5	-5								
		2	5-10	5				CLAY, some SILT, gray, moist, stiff, low to medium plasticity, no odor, trace gypsum, olive brown mottling, red-purple SILT lense	
						CL			
-10	-10								
								End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 053-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, organic matter	
								Brown, low plasticity, soft, trace organic matter, trace white SILT	
					X			Chert fragments Skeet fragments	
		1	0-5	5				Little SAND, olive brown, red - brown SILT, trace white SILT, gypsum	
						ML			
-5	-5								
		2	5-10	5				CLAY, some SILT, gray, moist, stiff, low to medium plasticity, no odor, trace gypsum, olive brown mottling, red-purple SILT lense	
						CL			
-10	-10								
								End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 056-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, light gray, moist, soft, low plasticity, no odor, brown organic matter	
		1	0-5	5				Brown	Soil (0.0-1.0' bgs)
								Trace fine caliche	
								Brown, medium stiff	
-5	-5					ML			Bentonite Chips (1.0-10' bgs)
		2	5-10	5				Light brown with gray, stiff, low to medium plasticity, trace brown organic matter	
								Calcite (7.5'-8.0')	
10	10							Calcite lense	
								End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 056-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft, low plasticity, no odor, organic matter	
		1	0-5	5					Soil (0.0-1.0' bgs)
								Gray with brown, medium stiff, low to medium plasticity, calcite	
-5	-5					ML		Stiff	
		2	5-10	5					Bentonite Chips (1.0-10' bgs)
								Olive brown, soft, medium plasticity	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 056-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft to medium stiff, low plasticity, no odor, organic matter, trace skeet fragments (0'-1.5')	
		1	0-5	5	X			Light brown, soft, low to medium plasticity, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5					ML		Gray with brown, soft to medium stiff, low plasticity, trace calcite	
								Calcite increases with depth	Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 056-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown with light gray, moist, low to medium plasticity, soft, no odor, abundant organic matter	
		1	0-5	4				Trace gravel	
								Tan roots	
-5	-5					ML		Moist to Wet Very stiff, SILT nodules Light brown, soft to medium stiff, trace calcite	Soil (0.0-1.0' bgs)
		2	5-10	5				Light brown with gray, medium stiff to stiff, low to medium plasticity Red SILT lense	
								Trace calcite	
								Brown, soft, low to medium plasticity, calcite	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 056-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, very soft, low plasticity, no odor, abundant organic matter,	
		1	0-5	5				Possible BB's from shells Medium stiff, hardness increase with depth	Soil (0.0-1.0' bgs)
								Light brown with gray, soft, calcite	
-5	-5					ML		Gray with brown, medium stiff to stiff, low to medium plasticity, abundant calcite - decreases with depth	Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
								Brown, soft, low to medium plasticity, calcite	
-10	-10								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 056-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown with light gray, moist, low to medium plasticity, soft, no odor, abundant organic matter	
		1	0-5	4				Trace gravel	Soil (0.0-1.0' bgs)
-5	-5					ML		Very stiff, SILT nodules Light brown, soft to medium stiff, trace calcite	Bentonite Chips (1.0-10' bgs)
		2	5-10	5				Light brown with gray, medium stiff to stiff, low to medium plasticity Red SILT lense	
								Trace calcite	
								Brown, soft, low to medium plasticity, calcite	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 056-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft, low plasticity, no odor, trace gravel, abundant brown organic matter	
		1	0-5	5				Brown with gray, no gravel	Soil (0.0-1.0' bgs)
								Trace fine caliche	
								Very stiff, red-brown SILT nodules, trace calcite	
-5	-5					ML		Light brown, low to medium plasticity, soft to medium stiff, trace calcite	
								Very soft, drak brown SILT lense	Bentonite Chips (1.0-10' bgs)
		2	5-10	5				Gray with brown, medium stiff to stiff	
								Dark red SILT lense	
-10	-10							Brown, soft, low to medium plasticity, calcite	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 056-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, very soft, low plasticity, no odor, abundant organic matter	
		1	0-5	5				Light brown with gray, soft to medium stiff, trace calcite	Soil (0.0-1.0' bgs)
-5	-5					ML		Red SILT lense, abundant calcite Gray with brown, medium stiff to stiff, low to medium plasticity, calcite, minor red lenses	
		2	5-10	5				olive brown, soft, low plasticity, no red lenses, no calcite	Bentonite Chips (1.0-10' bgs)
								Brown, soft, low to medium plasticity, calcite	
-10	-10								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 056-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, brown, moist, soft, low plasticity, no odor, trace gravel, abundant brown organic matter, trace skeet fragments (0'-0.1')	
		1	0-5	5				Brown with gray, no gravel	Soil (0.0-1.0' bgs)
								Trace fine caliche	
								Very stiff, trace calcite	
-5	-5					ML		Light brown, low to medium plasticity, soft to medium stiff, trace calcite	
								Very soft, drak brown SILT lense	Bentonite Chips (1.0-10' bgs)
		2	5-10	5				Gray with brown, medium stiff to stiff	
								Dark red SILT lense	
-10	-10							Brown, soft, low to medium plasticity, calcite, red SILT lense	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 060-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, medium stiff, low plasticity, no odor, organic matter	
		1	0-5	5				Light brown with gray, soft, calcite, minor red SILT lense	Soil (0.0-1.0' bgs)
-5	-5					ML		Gray with brown, medium stiff, bands of red SILT	
		2	5-10	5				Brown, soft, calcite	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 060-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, medium stiff, low plasticity, no odor, organic matter	
		1	0-5	5				Light brown with gray, soft, calcite, minor red SILT lense	Soil (0.0-1.0' bgs)
-5	-5					ML		Gray with brown, medium stiff, bands of red SILT	
		2	5-10	5				Brown, soft, calcite	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 060-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					CH		SILT, brown, moist, soft, medium to high plasticity, no odor, organic matter	
		1	0-5	5				Brown with gray, soft to medium stiff, low plasticity, calcite,	Soil (0.0-1.0' bgs)
-5	-5					ML		Brown, soft, no calcite	
		2	5-10	5					Bentonite Chips (1.0-10' bgs)
-10	-10							Abundant calcite End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 060-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft to medium stiff, low plasticity, no odor, organic matter	
		1	0-5	5				Trace gravel Brown with gray, soft, low to medium plasticity, calcite	Soil (0.0-1.0' bgs)
-5	-5					ML		Red SILT band Gray with brown, medium stiff, low plasticity, red SILT band, trace calcite	
		2	5-10	5				Brown, soft, low plasticity, trace calcite	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 060-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft to medium stiff, low plasticity, no odor, organic matter	
		1	0-5	5				Trace gravel Brown with gray, soft, low to medium plasticity, calcite	Soil (0.0-1.0' bgs)
-5	-5					ML		Red SILT band Gray with brown, medium stiff, low plasticity, red SILT band, trace calcite	
		2	5-10	5				Brown, soft, low plasticity, trace calcite	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 060-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					MH		SILT, dark brown, moist, soft, medium to high plasticity, no odor, organic matter	
		1	0-5	5				Gray with brown, soft to medium stiff, low plasticity, no organic matter, calcite	Soil (0.0-1.0' bgs)
								Red SILT band	
-5	-5					ML		Brown, soft, trace calcite	Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
10	10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 060-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, medium stiff, moist, low plasticity, trace gravel, organic matter, no odor	
		1	0-5	4.6				Light brown with gray, soft to medium stiff, calcite, no organic matter, no gravel	Soil (0.0-1.0' bgs)
								Gray with light brown, medium stiff, no calcite	
-5	-5					ML			
		2	5-10	5				Brown, soft,	Bentonite Chips (1.0-10' bgs)
								Calcite	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 060-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft to medium stiff, low plasticity, trace gravel, organic matter, no odor	
		1	0-5	5				Brown with gray, soft, low to medium plasticity, no organic matter, no gravel	Soil (0.0-1.0' bgs)
-5	-5					ML		Gray with brown, medium stiff, low plasticity, red SILT band, calcite	
		2	5-10	5				Brown, soft, no calcite	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-3-16/5-3-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 060-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft, low plasticity, no odor, organic matter	
		1	0-5	5				Light brown with gray, soft to medium stiff, calcite, red SILT band	Soil (0.0-1.0' bgs)
-5	-5					ML		Brown, low to medium plasticity, no calcite	
								Red SILT nodules	Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 063-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, low plasticity, very soft, no odor, organic matter	
								Brown, soft to medium stiff, trace organic matter, trace white SILT	
		1	0-4	3.5				Chert (2.3'-2.5') Olive brown, medium stiff, low to medium plasticity, white SILT lense	
						ML		Very soft	
-5	-5							White, very soft, low plasticity, dry to moist	
		2	4-8	3					
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 063-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft to soft, low plasticity, no odor, organic matter, trace white SILT	
		1	0-4	4				Brown, medium stiff, low to medium plasticity, trace organic matter	Soil (0.0-1.0' bgs)
								Some CLAY, brown with gray, low to medium plasticity, white SILT, gypsum, olive brown mottling, red/brown SILT lense	
						ML			
-5	-5	2	4-8	4				Very soft	Bentonite Chips (1.0-8' bgs)
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 063-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft to soft, low plasticity, no odor, organic matter, trace white SILT	
		1	0-4	4				Brown, medium stiff, low to medium plasticity, trace organic matter	Soil (0.0-1.0' bgs)
								Some CLAY, brown with gray, low to medium plasticity, white SILT, gypsum, olive brown mottling, red/brown SILT lense	
						ML			
-5	-5	2	4-8	4				Very soft	Bentonite Chips (1.0-8' bgs)
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 063-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter	
		1	0-4	3				Brown, soft to medium stiff, trace organic matter, trace white SILT	
								Chert (2.8' - 3.0') Olive brown, medium stiff, low to medium plasticity, white SILT lense, red/brown mottling	
						ML			
-5	-5	2	4-8	3				Chert (6.9'-7.0')	
								SILTSTONE, white, dry to moist, low plasticity, very soft (pulverized)	
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 063-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, to soft, no odor, low plasticity, organic matter	
								Brown, medium stiff, low to medium plasticity, trace organic matter	
								Chert	
		1	0-4	4				Some CLAY, brown with gray, low to medium plasticity, gypsum, white SILT, olive brown mottling	Soil (0.0-1.0' bgs)
						ML			
-5	-5	2	4-8	4				Some SAND, very soft, (decrease in CLAY content)	Bentonite Chips (1.0-8' bgs)
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 063-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, to soft, no odor, low plasticity, organic matter	
								Brown, medium stiff, low to medium plasticity, trace organic matter	
								Chert	
		1	0-4	4				Some CLAY, brown with gray, low to medium plasticity, gypsum, white SILT, olive brown mottling	Soil (0.0-1.0' bgs)
						ML			
-5	-5	2	4-8	4				Some SAND, very soft, (decrease in CLAY content)	Bentonite Chips (1.0-8' bgs)
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 063-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, low plasticity, soft, no odor, white SILT, trace chert, organic matter	
		1	0-4	4				Brown, very soft, chert	
								Olive brown, medium stiff, low to medium plasticity, white SILT lense, trace chert	
						ML			
-5	-5	2	4-8	4					
								SILTSTONE, white, dry, low plasticity, very soft (pulverized)	
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 063-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft to medium stiff, low plasticity, no odor, organic matter, trace white SILT	
		1	0-4	4		ML		Chert (2.3' to 2.5') Some CLAY, brown with gray, medium stiff, low to medium plasticity, red SILT lense, olive brown mottling, gypsum	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4				Some SAND, very soft	Bentonite Chips (1.0-8' bgs)
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 063-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft to medium stiff, low plasticity, no odor, organic matter, trace white SILT	
		1	0-4	4			ML	Some CLAY, brown with gray, medium stiff, low to medium plasticity, red SILT lense, olive brown mottling, gypsum	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4				Some SAND, very soft	Bentonite Chips (1.0-8' bgs)
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac
	Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88

Date Start/Finish: 5-4-16/5-4-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 064-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, medium plasticity, organic matter, no odor	
		1	0-5	5	X			Brown, soft to medium stiff, no organic matter Skeet fragments (0.5' to 1.3')	Soil (0.0-1.0' bgs)
-5	-5					ML		Olive brown, soft, low plasticity, white SILT lense, trace SILT nodules	Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-4-16/5-4-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 064-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, medium stiff - stiff, low plasticity, organic matter - decreases with depth, trace gravel - decreases with depth, no odor	
		1	0-5	5	X			Trace skeet (0'-3')	Soil (0.0-1.0' bgs)
-5	-5					ML			
		2	5-10	5				Trace white SILT	Bentonite Chips (1.0-10' bgs)
								Gray, soft, trace white SILT, no gravel, no organic matter	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-4-16/5-4-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 064-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft to medium stiff, low plasticity, no odor, trace white SILT, organic matter (0'-0.5')	
		1	0-5	5	X			Trace skeet fragmetns (0'-1.5')	Soil (0.0-1.0' bgs)
-5	-5					ML			
		2	5-10	5				Gray with brown, low to medium plasticity, soft, trace white SILT,	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-4-16/5-4-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 064-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, no odor, organic matter	
		1	0-5	5	X			Brown, trace white SILT Trace skeet fragments (0.6'-2')	Soil (0.0-1.0' bgs)
-5	-5					ML		Olive brown, soft, trace white SILT, gravel (sub-angular to angular)	Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-4-16/5-4-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 064-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark red, moist, very soft, low plasticity, no odor, organic matter	
		1	0-5	5				Brown, soft, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5					ML		Olive brown, minor red SILT lenses	
		2	5-10	5				Gray	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-4-16/5-4-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 064-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, medium stiff, low to medium plasticity, no odor, organic matter decreases with depth	
		1	0-5	5					Soil (0.0-1.0' bgs)
-5	-5					ML			
		2	5-10	5				Gray, soft to medium stiff, low plasticity, trace white SILT	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-4-16/5-4-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 064-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, no odor, organic matter	
		1	0-5	5	X			Brown, soft to medium stiff, no organic matter Skeet fragments (0.8'-1.5')	Soil (0.0-1.0' bgs)
-5	-5					ML		Olive brown, soft	
		2	5-10	5					Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-4-16/5-4-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 069-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low to medium plasticity, no odor, organic matter	
		1	0-5	5				Brown, soft, low plasticity, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5					ML		Very soft	
								Olive brown, soft to medium stiff, red SILT lense	
		2	5-10	5				Calcite	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-4-16/5-4-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 069-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, no odor, trace organic matter	
		1	0-5	5				Brown, trace gravel	Soil (0.0-1.0' bgs)
-5	-5					ML		Olive brown, soft to medium stiff,	
		2	5-10	5				Gray (0.3' thick), stiff	Bentonite Chips (1.0-10' bgs)
								Gray SILT lense	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-4-16/5-4-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 069-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, no odor, trace organic matter	
		1	0-5	5				Brown	Soil (0.0-1.0' bgs)
-5	-5					ML			
								Olive brown, soft to medium stiff, gray SILT lense	
		2	5-10	5				Calcite	Bentonite Chips (1.0-10' bgs)
								Gray SILT lense Very soft, brown/red SILT lense	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-4-16/5-4-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 069-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, organic matter Brown, trace gravel, trace organic matter	Soil (0.0-1.0' bgs)
		1	0-5	4.7					
-5	-5					ML		Olive brown, soft to medium stiff, red/orange SILT lense	Bentonite Chips (1.0-10' bgs)
		2	5-10	5				Calcite lense	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-4-16/5-4-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 069-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, low plasticity, soft, no odor	
								Brown, soft to medium stiff, trace organic matter	
		1	0-5	4.8					
								Very soft (0.3' thick)	
-5	-5					ML		Olive brown, soft to medium stiff, low plasticity	
		2	5-10	5				Moist to wet, trace gravel, calcite	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-4-16/5-4-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 069-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft, low plasticity, no odor, trace organic matter	
		1	0-5	5				Trace gravel	Soil (0.0-1.0' bgs)
								Very soft	
-5	-5					ML		SILT nodules	
								Olive brown, moist, soft to medium stiff, low plasticity	
		2	5-10	5				Gray SILT lense	Bentonite Chips (1.0-10' bgs)
								Calcite	
-10	-10							Very soft	
								End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-4-16/5-4-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 069-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft, low plasticity, no odor, organic matter	
		1	0-5	5					Soil (0.0-1.0' bgs)
					X			Skeet fragments Olive brown, soft to medium stiff, low plasticity	
-5	-5					ML		Very soft (5.3' - 5.7')	
		2	5-10	5				Gray SILT, red SILT lense	Bentonite Chips (1.0-10' bgs)
								Medium stiff, gray SILT lense, calcite	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 074 - A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, very soft, no odor, organic matter, skeet fragments	
		1	0-5	5	X	ML		Low plasticity, medium stiff, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5							White SILT	
		2	5-10	5		CL		CLAY, some SILT, gray with brown, moist, low plasticity to merdium plasticity, medium stiff to stiff, no odor, white silt nodules, olive brown mottling	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 074 - A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, very soft, no odor, organic matter, skeet fragments	
		1	0-5	5	X	ML		Low plasticity, medium stiff, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5							White SILT	
		2	5-10	5		CL		CLAY, some SILT, gray with brown, moist, low plasticity to medium plasticity, medium stiff to stiff, no odor, white silt nodules, olive brown mottling	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 074 - A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, very soft, no odor, organic matter, skeet fragments	
		1	0-5	5	X	ML		Low plasticity, medium stiff, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5							White SILT	
		2	5-10	5		CL		CLAY, some SILT, gray with brown, moist, low plasticity to merdium plasticity, medium stiff to stiff, no odor, white silt nodules, olive brown mottling	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 074 - B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, organic matter, skeet fragments	
		1	0-5	5	X	ML		Medium stiff, low to medium plasticity, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5								
		2	5-10	5					Bentonite Chips (1.0-10' bgs)
						CL		CLAY, some SILT, gray with brown, moist, low to medium plasticity, stiff, no odor, white silt nodules, olive brown mottling	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 074 - B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, organic matter, skeet fragments	
		1	0-5	5	X			Medium stiff, low to medium plasticity, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5					ML			
		2	5-10	5					Bentonite Chips (1.0-10' bgs)
						CL		CLAY, some SILT, gray with brown, moist, low to medium plasticity, stiff, no odor, white silt nodules, olive brown mottling	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 074 - B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, organic matter, skeet fragments	
		1	0-5	5	X	ML		Medium stiff, low to medium plasticity, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5								
		2	5-10	5					Bentonite Chips (1.0-10' bgs)
						CL		CLAY, some SILT, gray with brown, moist, low to medium plasticity, stiff, no odor, white silt nodules, olive brown mottling	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 074 - C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, organic matter, skeet fragments	
		1	0-5	5	X	ML		Medium to stiff, low to medium plasticity, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5							White silt nodules	
		2	5-10	5		CL		CLAY, some SILT, gray with brown, moist, stiff, low to medium plasticity, no odor, white silt nodules, olive brown mottling	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 074 - C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, organic matter, skeet fragments	
		1	0-5	5	X	ML		Medium to stiff, low to medium plasticity, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5							White silt nodules	
		2	5-10	5		CL		CLAY, some SILT, gray with brown, moist, stiff, low to medium plasticity, no odor, white silt nodules, olive brown mottling	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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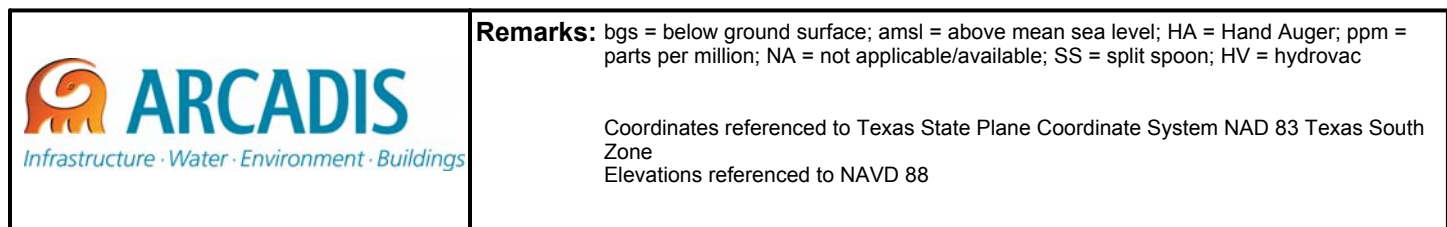
Date Start/Finish: 5-10-16/5-10-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 074 - C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, organic matter, skeet fragments	
		1	0-5	5	X	ML		Medium to stiff, low to medium plasticity, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5							White silt nodules	
		2	5-10	5		CL		CLAY, some SILT, gray with brown, moist, stiff, low to medium plasticity, no odor, white silt nodules, olive brown mottling	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 077-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter Brown, medium stiff, low to medium plasticity, white SILT lense, white SILT nodules Trace skeet fragments	
		1	0-5	5	X			Olive brown, soft, low plasticity, red to brown SILT lense	
-5	-5					ML		Trace CLAY, gray, some brown, very soft, red to brown SILT lense, white SILT lense, gypsum	
		2	5-10	5				Some CLAY, brown, medium stiff	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 077-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter Brown, medium stiff, low to medium plasticity, trace organic matter, gypsum	Soil (0.0-1.0' bgs)
		1	0-5	5				Trace CLAY, olive brown, very soft, white SILT lense, red to brown SILT lense	
-5	-5					ML		Gray with brown, medium stiff	Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 077-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter Brown, soft to medium stiff, low to medium plasticity, trace organic matter Trace skeet fragments	Soil (0.0-1.0' bgs)
		1	0-5	5				Trace CLAY (gray), olive brown, soft, medium plasticity, white SILT lense, red to brown SILT lense, trace organic matter	
-5	-5					ML		Gray with brown, very soft, low plasticity,	Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 077-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter Brown, medium stiff, low to medium plasticity, trace organic matter	Soil (0.0-1.0' bgs)
		1	0-5	5			ML	White SILT nodules Trace CLAY, olive brown, soft, medium plasticity, dark gray mottling	
-5	-5							Gray with brown, very soft, low plasticity, red to brown SILT lense, gypsum	Bentonite Chips (1.0-10' bgs)
		2	5-10	5				Some CLAY, little SAND, brown, stiff, white SILT lense	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 077-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter Brown, medium stiff, medium plasticity, white SILT lense, trace red to brown SILT lense, trace organic matter	Soil (0.0-1.0' bgs)
		1	0-5	5			ML	Trace CLAY, olive brown, very soft, low plasticity, red to brown SILT lense, gypsum	
-5	-5							Gray with brown, soft to medium stiff, trace white SILT	Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 077-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter Brown, soft to medium stiff, low to medium plasticity, trace organic matter Skeet fragments	Soil (0.0-1.0' bgs)
		1	0-5	5	X			Trace CLAY, olive brown, soft, white SILT nodules	
-5	-5					ML		Gray with brown, very soft, low to medium plasticity, trace gypsum, red to brown SILT lense	Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 077-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter, chert fragments	
		1	0-5	5				Brown, medium stiff, low to medium plasticity, trace organic matter, chert fragments	Soil (0.0-1.0' bgs)
								Trace CLAY, olive brown, soft, low plasticity, white SILT lense, red to brown SILT lense	
-5	-5					ML		Some CLAY, gray with brown, stiff, medium plasticity	Bentonite Chips (1.0-10' bgs)
		2	5-10	4					
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-11-16/5-11-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 077-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter Brown, medium stiff, low to medium plasticity, trace organic matter	Soil (0.0-1.0' bgs)
		1	0-5	5				Trace CLAY, olive brown, very soft, low plasticity, white SILT lense, gypsum	
-5	-5					ML		Gray with brown, soft, red to brown SILT lense, trace amounts of gypsum, olive brown mottling	Bentonite Chips (1.0-10' bgs)
		2	5-10	5				Medium stiff	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 082-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, trace organic matter	
		1	0-5	4	X	ML		Skeet fragments	Soil (0.0-1.0' bgs)
								Light brown, very soft, medium to high plasticity, white silt nodules	
-5	-5					MH		Chert	Bentonite Chips (1.0-8' bgs)
		2	5-10	3		ML		Some SAND, olive brown, soft, low plasticity	
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 082-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, trace organic matter	
		1	0-5	4	X	ML		Skeet fragments	Soil (0.0-1.0' bgs)
								Light brown, very soft, medium to high plasticity, white silt nodules	
-5	-5					MH		Chert	Bentonite Chips (1.0-8' bgs)
		2	5-10	3		ML		Some SAND, olive brown, soft, low plasticity	
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 082-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, trace organic matter	
		1	0-5	4	X	ML		Skeet fragments	Soil (0.0-1.0' bgs)
								Light brown, very soft, medium to high plasticity, white silt nodules	
-5	-5					MH		Chert	Bentonite Chips (1.0-8' bgs)
		2	5-10	3		ML		Some SAND, olive brown, soft, low plasticity	
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 082-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, organic matter, white silt nodules	
		1	0-5	4		ML		Light brown, very soft, high plasticity, trace white silt nodules, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5					MH			
		2	5-8	3				Some SAND, olive brown, soft, trace calcite	Bentonite Chips (1.0-8' bgs)
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 082-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, organic matter, white silt nodules	
		1	0-5	4	X	ML		Trace skeet fragments	Soil (0.0-1.0' bgs)
								Light brown, very soft, high plasticity, trace white silt nodules, trace organic matter	
-5	-5					MH			Bentonite Chips (1.0-8' bgs)
		2	5-8	3				Some SAND, olive brown, soft, trace calcite	
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 082-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, organic matter, white silt nodules	
		1	0-5	4	X	ML		Skeet fragments	
								Light brown, very soft, high plasticity, trace white silt nodules, trace organic matter	
-5	-5					MH			
		2	5-8	3				Moist to wet Some SAND, olive brown, soft, trace calcite	
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 082-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, organic matter	
		1	0-5	4		ML			Soil (0.0-1.0' bgs)
								Light brown, very soft, high plasticity, trace organic matter, white silt nodules	
-5	-5					MH			Bentonite Chips (1.0-8' bgs)
		2	5-8	3		ML		Some SAND, olive brown, low to medium plasticity, soft, calcite	
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 082-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, organic matter	
		1	0-5	4		ML			Soil (0.0-1.0' bgs)
								Light brown, very soft, high plasticity, trace organic matter, white silt nodules	
-5	-5					MH			Bentonite Chips (1.0-8' bgs)
								White silt lense	
		2	5-8	3		ML		Some SAND, olive brown, low to medium plasticity, soft, calcite	
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 082-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, soft, no odor, organic matter	
		1	0-5	4		ML			Soil (0.0-1.0' bgs)
								Chert	
								Light brown, very soft, high plasticity, trace organic matter, white silt nodules	
-5	-5					MH			Bentonite Chips (1.0-8' bgs)
		2	5-8	3		ML		Some SAND, olive brown, moist to wet, low to medium plasticity, soft, calcite	
								End of boring 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-12-16/5-12-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 083-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter Brown, medium stiff, trace organic matter, trace white SILT	
		1	0-5	5		ML		Light brown, very soft, high plasticity, moist to wet	Soil (0.0-1.0' bgs)
-5	-5								
		2	5-10	4		MH		Some CLAY, little very fine SAND, olive brown, medium stiff, red/brown mottling, trace white SILT Medium stiff to stiff, gypsum	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-12-16/5-12-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 083-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter Brown, medium stiff, trace organic matter, trace white SILT	
		1	0-5	5		ML		Light brown, very soft, high plasticity, moist to wet	Soil (0.0-1.0' bgs)
-5	-5							WET	
		2	5-10	4		MH		Some SAND, trace CLAY olive brown, medium stiff, red/brown mottling, trace white SILT Medium stiff to stiff, gypsum	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-12-16/5-12-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 083-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter Brown, medium stiff, trace organic matter, trace white SILT	
		1	0-5	5		ML		Light brown, very soft, high plasticity, moist to wet	Soil (0.0-1.0' bgs)
-5	-5								
		2	5-10	4		MH		Some SAND, trace CLAY olive brown, medium stiff, red/brown mottling, trace white SILT Medium stiff to stiff, gypsum	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-12-16/5-12-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 083-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter	
								Brown, medium stiff, trace organic matter, trace white SILT	Soil (0.0-1.0' bgs)
		1	0-5	5		ML			
								Light brown, high plasticity, moist to wet	
-5	-5					MH			
								WET	
		2	5-10	5		ML		Some very fine SAND, trace CLAY, olive brown, medium stiff, red/brown mottling, gypsum, trace gray CLAY	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-12-16/5-12-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 083-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter	
								Brown, medium stiff, trace organic matter, trace white SILT	
		1	0-5	5		ML		Trace chert	
								Light brown, high plasticity, moist to wet	
-5	-5					MH			
		2	5-10	5		ML		WET	
								Some very fine SAND, trace CLAY, olive brown, medium stiff, red/brown mottling, gypsum, trace gray CLAY	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-12-16/5-12-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 083-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, no odor, organic matter	
								Brown, medium stiff, trace organic matter, trace white SILT	
		1	0-5	5	X	ML		Skeet fragments	
								Trace chert	
								Light brown, high plasticity, moist to wet	
-5	-5					MH			
		2	5-10	5		ML		WET	
								Some very fine SAND, trace CLAY, olive brown, medium stiff, red/brown mottling, gypsum, trace gray CLAY	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 084-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, soft to medium stiff, low to medium plasticity, no odor, organic matter	
		1	0-5	5	X	ML		Skeet fragments	Soil (0.0-1.0' bgs)
								Light brown, high plasticity, very soft	
-5	-5					MH			
		2	5-10	5					
								Dark brown with gray, medium stiff, low plasticity, calcite	Bentonite Chips (1.0-10' bgs)
						ML			
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 084-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft to medium stiff, low plasticity, no odor, organic matter, trace white SILT	
		1	0-5	5		ML			Soil (0.0-1.0' bgs)
								Light brown, very soft, high plasticity, trace organic matter, dark brown SILT lense	
-5	-5					MH			Bentonite Chips (1.0-10' bgs)
		2	5-10	5				Brown with gray, medium stiff, low plasticity, calcite	
						ML			
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 084-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, medium stiff, low plasticity, no odor, organic matter, SILT nodules, trace white SILT, chert	
		1	0-5	5					
								Asphalt, dark black, very stiff, odor present, dry	
								SILT, trace CLAY, light brown, moist, very soft, medium plasticity, trace white SILT	
-5	-5					ML			
		2	5-10	5					
								WET, some SAND	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 084-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, medium stiff, low plasticity, organic matter	
		1	0-5	5		ML			Soil (0.0-1.0' bgs)
								Asphalt, dark black, moist, very stiff, odor present, gravel (sub-angular to angular)	
								SILT, light brown, moist, very soft, high plasticity, no odor, organic matter	
-5	-5					MH			Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
								Dark brown with gray, medium stiff, white SILT lense, low plasticity, calcite	
						ML			
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 084-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, medium stiff, low plasticity, organic matter, white SILT lense	
		1	0-5	2					Soil (0.0-1.0' bgs)
								Chert	
-5	-5					ML		Brown with gray, moist to wet, soft, red SILT lense, calcite	
		2	5-10	5				Some SAND, WET	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5-6-16/5-6-16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 084-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, medium stiff, low plasticity, organic matter, white SILT lense Light brown, moist, soft, trace organic matter	Soil (0.0-1.0' bgs)
		1	0-5	4		ML			
						GP		ASPHALT, dark black, moist, very stiff, gravel (sub-angular to angular)	
								SILT, light brown, moist, very soft, high plasticity, no odor, trace gravel, minor gray mottling	
-5	-5					MH			Bentonite Chips (1.0-10' bgs)
		2	5-10	5					
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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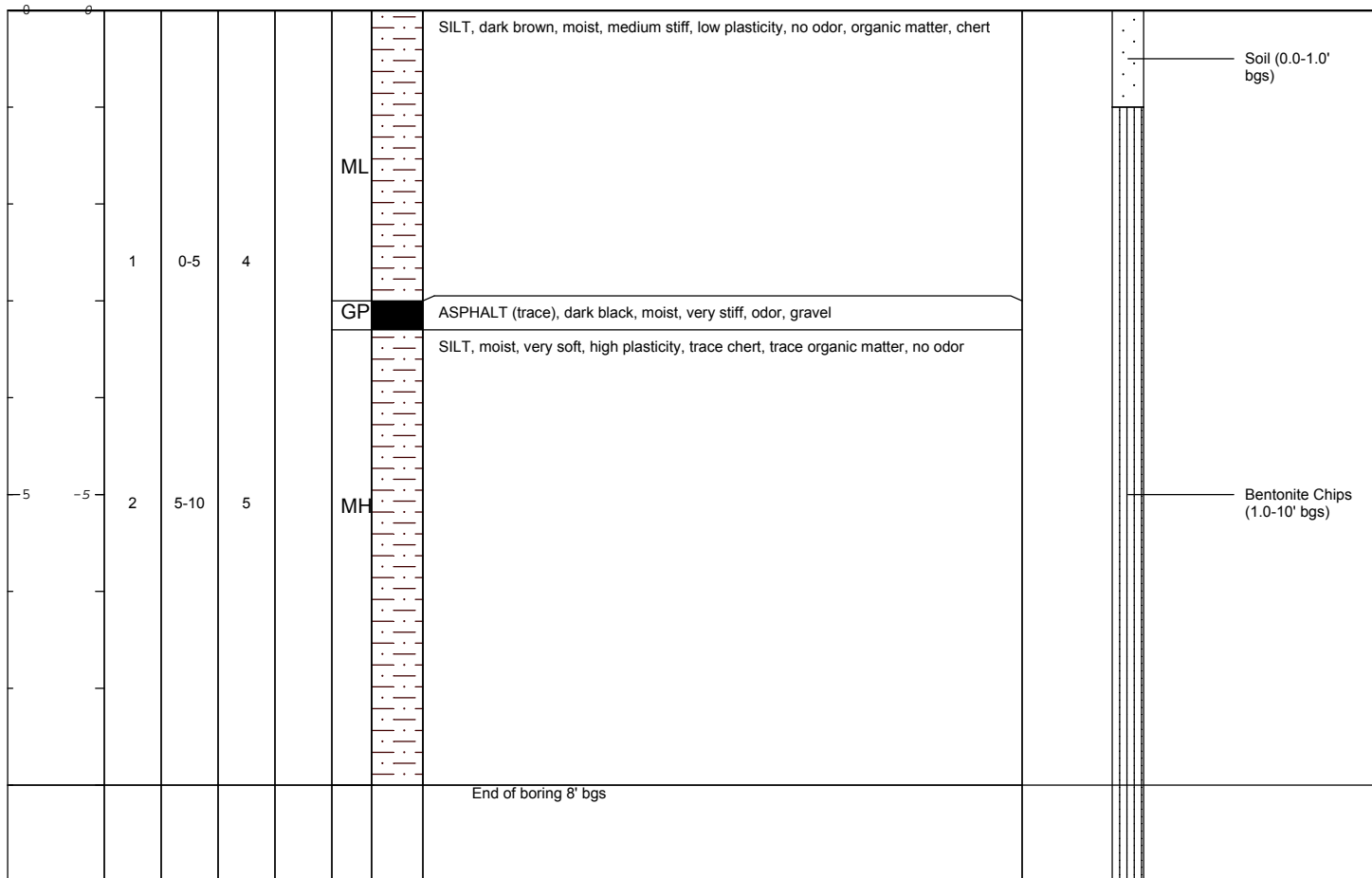
Date Start/Finish: 5-6-16/5-6-16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 084-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, dark brown, moist, medium stiff, low plasticity, no odor, organic matter	
		1	0-5	4		GP		ASPHALT, dark black, moist, very stiff, odor, gravel	
								SILT, light brown, moist, very soft, no odor, high plasticity	
-5	-5					MH			
		2	5-10	4				Moist to wet	
						ML		Brown with gray, medium stiff, low plasticity, calcite	
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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	<p>Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac</p> <p>Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88</p>
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Date Start/Finish: 5/8/16-5/8/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 019-01.A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, soft, low plasticity, no odor, organic matter, trace Gravel (sub-angular to angular), chert, moist.	
								ASPHALT, very stiff, no odor, gravel (sub-angular to angular)	Soil (0.0-1.0' bgs)
								SILT, dark brown, medium stiff, no odor, low plasticity to medium plasticity, trace Gravel, light brown Silt nodules, moist.	
		1	0-5	5					
								Light brown, soft, low plasticity.	
-5	-5					ML		Trace Clay, stiff, brown with grey, low plasticity to medium plasticity, orange-brown mottling, white Silt nodules.	
		2	5-10	5				Dark brown, soft to medium stiff, low plasticity, no odor.	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5/8/16-5/8/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 019-01.B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, soft to medium stiff, low plasticity, no odor, organic matter, trace Gravel, dry to moist.	
								ASPHALT, very stiff, no odor, Gravel, moist.	Soil (0.0-1.0' bgs)
		1	0-5	5				SILT, dark brown, medium stiff, no odor, low plasticity to medium plasticity, trace organic matter, white Silt nodules, moist.	
-5	-5					ML		Brown some gray, stiff, low plasticity to medium plasticity, no odor, orange-red mottling, olive brown mottling, white Silt nodules, moist.	
		2	5-10	5				Dark brown soft, low plasticity, no odor, white Silt lenses, moist.	Bentonite Chips (1.0-10' bgs)
-10	-10							End of boring 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 5/8/16-5/8/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 019-01.C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, soft, low plasticity, no odor, organic matter, trace Gravel, moist.	
								ASPHALT, very stiff, no odor, Gravel (sub angular to angular), moist.	Soil (0.0-1.0' bgs)
								SILT, dark brown, medium stiff to stiff, no odor, low plasticity to medium plasticity, red orange Silt lenses, trace Gravel (subangular to angular), white Silt nodules, moist.	
		1	0-5	5				Roots	
-5	-5					ML		Brown some gray, stiff, low plasticity to medium plasticity, no odor, orange-red mottling, olive brown mottling, white Silt nodules, moist.	
		2	5-10	5				Soft	Bentonite Chips (1.0-10' bgs)
								Olive brown, very soft, low plasticity, no odor, white Silt lenses, moist.	
-10	-10							End of boring 10' bgs	


	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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SOIL BORING LOGS – JULY 2016

Date Start/Finish: 7/28/16-7/28/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 7 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 009-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, very soft, low plasticity, organic matter Brown, trace organic matter	
		1	0-5	5		ML		Some very fine SAND	
						SW		SAND, some SILT, olive brown, moist, nonplastic to low plasticity, organic matter	
-5	-5							SILT, some very fine SAND, olive brown, moist, very soft, low plasticity, trace organic matter, gypsum, minor gray mottling	
		2	5-7	2		ML			
								End of Boring at 7' bgs (Hit Refusal-SILTSTONE)	
-10	-10								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/28/16-7/28/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 3.5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 009-A2 Client: USACE Location: Laredo, TX
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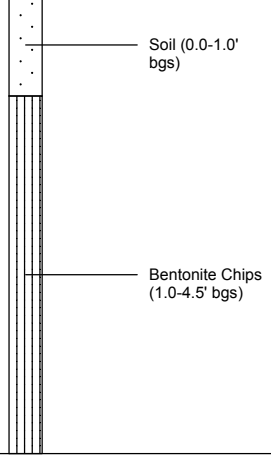
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	USCS Code	PID (ppm)	Recovery (feet)	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0	1	0-5	3.5		ML		SILT, trace CLAY, dark gray, moist, very soft, low plasticity, organic matter Trace gravel (sub-angular), brown, soft, trace organic matter, low plasticity Some very fine SAND, SILT nodules	 Soil (0.0-1.0' bgs) Bentonite Chips (1.0-3.5' bgs)
-5	-5	2	5-10	0				End of Boring at 3.5' bgs (Hit Refusal-SILTSTONE)	
-10	-10								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/28/16-7/28/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 4.5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 009-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0	1	0-5	4.5		ML		SILT, trace CLAY, trace gravel (sub-angular), dark gray, moist, very soft, low plasticity, organic matter Brown, trace organic matter Some very fine SAND	
-5	-5	2	5-7	0				End of Boring at 4.5 bgs (Hit Refusal- SILTSTONE)	
-10	-10								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/28/16-7/28/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 7 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 009-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, very soft, low plasticity, organic matter Brown, trace organic matter	
		1	0-5	5		ML		Some very fine SAND	
						SW		SAND, some SILT, olive brown, moist, nonplastic to low plasticity, organic matter	
-5	-5							SILT, some very fine SAND, olive brown, moist, very soft, low plasticity, trace organic matter, gypsum, minor gray mottling, SILT nodules	
		2	5-7	2		ML			
								End of Boring at 7' bgs (Hit Refusal-SILTSTONE)	
-10	-10								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/28/16-7/28/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 4 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 009-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	USCS Code	PID (ppm)	Recovery (feet)	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0	1	0-5	4		ML		SILT, trace CLAY, dark gray, moist, very soft, low plasticity, organic matter. Trace gravel (sub-angular), brown, soft, trace organic matter, low plasticity Some very fine SAND, SILT nodules	Soil (0.0-1.0' bgs) Bentonite Chips (1.0-4' bgs)
-5	-5	2	5-10	0				End of Boring at 4.0 bgs (Hit Refusal- SILTSTONE)	
-10	-10								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/28/16-7/28/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 4.5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 009-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	USCS Code	PID (ppm)	Recovery (feet)	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0	1	0-5	4.5		ML		SILT, trace CLAY, trace gravel (sub-angular), dark gray, moist, very soft, low plasticity, organic matter Brown, trace organic matter Some very fine SAND	 Soil (0.0-1.0' bgs) Bentonite Chips (1.0-4.5' bgs)
-5	-5	2	5-10	0				End of Boring at 4.5 bgs (Hit Refusal- SILTSTONE)	
-10	-10								

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/28/16-7/28/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 7 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 009-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, very soft, low plasticity, organic matter Brown, trace organic matter	
		1	0-5	5		ML		Some very fine SAND	
						SW		SAND, some SILT, olive brown, moist, nonplastic to low plasticity, organic matter	
-5	-5							SILT, some very fine SAND, olive brown, moist, very soft, low plasticity, trace organic matter, gypsum, minor gray mottling, SILT nodules	
		2	5-7	2		ML			
								End of Boring at 7' bgs (Hit Refusal-SILTSTONE)	
-10	-10								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/28/16-7/28/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 3.5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 009-C2 Client: USACE Location: Laredo, TX
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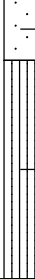
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	USCS Code	PID (ppm)	Recovery (feet)	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0	1	0-5	3.5		ML		SILT, trace CLAY, dark gray, moist, very soft, low plasticity, organic matter Brown, soft, trace organic matter, trace gravel (sub-angular) Some very fine SAND, SILT nodules	Soil (0.0-1.0' bgs) Bentonite Chips (1.0-3.5' bgs)
-5	-5	2	5-10	0				End of Boring at 3.5' bgs (Hit Refusal-SILTSTONE)	
-10	-10								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/28/16-7/28/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 4.5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 009-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	USCS Code	PID (ppm)	Recovery (feet)	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0	1	0-5	4.5		ML		SILT, trace CLAY, trace gravel (sub-angular), dark gray, moist, very soft, low plasticity, organic matter Brown, trace organic matter Some very fine SAND	 Soil (0.0-1.0' bgs) Bentonite Chips (1.0-4.5' bgs)
-5	-5	2	5-10	0				End of Boring at 4.5 bgs (Hit Refusal- SILTSTONE)	
-10	-10								

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 6 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010_07-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, brown, moist, soft, low plasticity, olive brown lense, gravel (sub-angular to angular), trace organic matter	
		1	0-5	5		CL		CLAY, some SILT, olive brown, moist, soft, low plasticity, gray mottling, red lense, orange/brown mottling, trace gypsum	Soil (0.0-1.0' bgs)
-5	-5					SW		SAND, some CLAY, trace SILT, olive brown, moist, soft, low plasticity, gypsum	Bentonite Chips (1.0-6.0' bgs)
		2	5-7	1				End of Boring at 6.0 bgs (Hit Refusal- SILTSTONE)	
-10	-10								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010_07-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, trace CLAY, brown, moist, soft, low plasticity, trace organic matter Trace skeet fragments	
		1	0-5	5		ML			
						SW		SAND, some SILT, olive brown, moist, soft, low plasticity, gray lense, reddish brown SILT lense.	
-5	-5								
		2	5-10	5		CL		CLAY, some SILT, trace SAND, gray, moist, low to medium plasticity, medium stiff, olive brown mottling, minor red mottling, gypsum.	
								Medium stiff to stiff	
-10	-10							End of Boring at 10 bgs.	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 3.5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010_07-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, some SAND, brown, moist, soft, low plasticity			Soil (0.0-1.0' bgs)
		1	0-5	3.5		SW		SAND, some SILT, olive brown, moist, very soft, low plasticity, gray lense, trace gypsum			Bentonite Chips (1.0-3.5" bgs)
								End of Boring at 3.5 bgs (Refusal - SILTSTONE).			
-5	-5										
		2	5-10	0							
-10	-10										

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 5.5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010_07-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, brown, moist, soft, low plasticity, trace organic matter, trace gravel, gray mottling, olive brown lense	
		1	0-5	5		CL		CLAY, some SILT, olive brown, moist, soft to medium stiff, low plasticity, trace organic matter, orange/brown mottling, red lense	
-5	-5					SW		SAND, some CLAY, little SILT, moist, olive brown, very soft, nonplastic to low plasticity, orange/brown lense, gypsum	Soil (0.0-1.0' bgs)
								End of Boring at 5.5 bgs (Hit Refusal- SILTSTONE)	Bentonite Chips (1.0-5.5" bgs)
		2	5-7	0.5					
-10	-10								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010_07-B2 Client: USACE Location: Laredo, TX
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

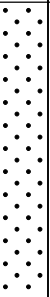

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, soft, low plasticity, trace organic matter	
		1	0-5	5		ML			Soil (0.0-1.0' bgs)
						SW		SAND, some SILT, olive brown, moist, soft, low plasticity, gray lense, reddish brown SILT lense.	
-5	-5								
		2	5-10	5		CL		CLAY, some SILT, trace SAND, gray, moist, low to medium plasticity, medium stiff, olive brown mottling, minor red mottling, gypsum.	Bentonite Chips (1.0-10" bgs)
								Medium stiff to stiff	
-10	-10							End of Boring at 10 bgs.	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 3.5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010_07-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X	ML	 SILT, some SAND, brown, moist, low plasticity, soft, trace organic matter. Skeet fragments		 Soil (0.0-1.0' bgs)
		1	0-5	3.5		SW	 SAND, some SILT, olive brown, moist, low plasticity, very soft, trace organic matter, gray lense.		 Bentonite Chips (1.0-3.5" bgs)
							End of Boring at 3.5 bgs (Refusal - SILTSTONE).		
-5	-5								
		2	5-10	0					
-10	-10								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 5.5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010_07-C1 Client: USACE Location: Laredo, TX
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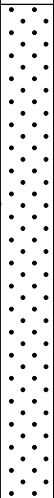

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, brown, moist, soft, low plasticity, trace organic matter, trace gravel, gray mottling, olive brown lense	
		1	0-5	5		CL		CLAY, some SILT, olive brown, moist, soft to medium stiff, low plasticity, trace organic matter, orange/brown mottling, red lense	
-5	-5					SW		SAND, some CLAY, little SILT, moist, olive brown, very soft, nonplastic to low plasticity, orange/brown lense, gypsum	
								End of Boring at 5.5 bgs (Hit Refusal- SILTSTONE)	
		2	5-7	0.5					
-10	-10								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010_07-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, trace CLAY, brown, moist, soft, low plasticity, trace organic matter	
		1	0-5	4.5					
						SW		SAND, some SILT, olive brown, moist, soft, low plasticity, gray lense, reddish brown SILT lense.	
-5	-5								
		2	5-10	3.5					
						CL		CLAY, some SILT, trace SAND, gray, moist, low to medium plasticity, medium stiff, olive brown mottling, minor red mottling, gypsum.	
								End of Boring at 8 bgs.	


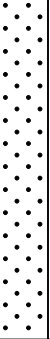
Soil (0.0-1.0' bgs)


Bentonite Chips (1.0-8" bgs)

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 4 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 010_07-C3 Client: USACE Location: Laredo, TX
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


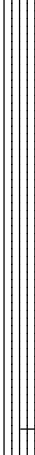
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X	ML		SILT, some SAND, brown, moist, low plasticity, soft, trace gravel (sub-angular), trace organic matter. Skeet fragments (0.2' bgs).				Soil (0.0-1.0' bgs)
		1	0-5	4		SW		SAND, some SILT, olive brown, moist, very soft, low plasticity, brown/orange lense.				Bentonite Chips (1.0-4" bgs)
-5	-5							End of Boring at 4 bgs (Refusal - SILTSTONE).				
-10	-10	2	5-10	0								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/20/16-7/20/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 9.5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 058-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, dark brown, moist, medium stiff, low plasticity, organic matter Little CLAY, brown, trace organic matter, trace gravel (sub-angular to angular).	 Soil (0.0-1.0' bgs)
		1	0-5	5		CL		CLAY, some SILT, gray, moist, soft to medium stiff, low to medium plasticity, orange-brown mottling	
-5	-5					SW		SAND, some CLAY, trace SILT, brown-orange with minor gray, moist, very fine, well sorted, soft, low plasticity, gypsum, red SILT lense, minor olive brown mottling SAND content increase with depth.	 Bentonite Chips (1.0-9.5' bgs)
		2	5-10	4.5					
-10	-10							End of Boring at 9.5' bgs (Refusal - SANDSTONE)	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/20/16-7/20/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 058-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, dark brown, moist, medium stiff, low plasticity, organic matter Some CLAY, brown, soft to medium stiff, trace organic matter, gray mottling	
		1	0-5	5		CL		CLAY, some SILT, gray, moist, medium stiff, low to medium plasticity, olive brown mottling, red SILT lense	
-5	-5					SW		SAND, some CLAY, olive brown, moist, soft to medium stiff, low plasticity, orange-brown mottling, gypsum	
		2	5-10	5				Stiff	
-10	-10							End of Boring at 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/20/16-7/20/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 058-A3 Client: USACE Location: Laredo, TX
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


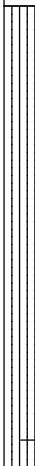
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, trace CLAY, dark brown, moist, soft, low plasticity, organic matter Little CLAY, brown with gray, red SILT lense, trace organic matter, olive brown mottling	
		1	0-5	5		CL		CLAY, little SILT, little SAND, gray, moist, medium stiff, low to medium plasticity, olive brown mottling, red SILT lense, trace gypsum, tan mottling	
-5	-5								
		2	5-10	5		SW		SAND, some CLAY, olive brown, moist, soft to medium stiff, low plasticity, dark brown SILT nodules, tan mottling, minor gray mottling	
-10	-10							End of Boring at 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/20/16-7/20/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 9.5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 058-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML	 SILT, dark brown, moist, medium stiff, low plasticity, organic matter Little CLAY, brown, trace organic matter, trace gravel (sub-angular to angular).	 Soil (0.0-1.0' bgs)
		1	0-5	5		CL	 CLAY, some SILT, gray, moist, medium stiff, low to medium plasticity, orange-brown mottling	
-5	-5					SW	 SAND, some CLAY, trace SILT, brown-orange with minor gray, moist, very fine, well sorted, soft, low plasticity, gypsum, red SILT lense, minor olive brown mottling SAND content increase with depth.	 Bentonite Chips (1.0-9.5' bgs)
-10	-10						End of Boring at 9.5' bgs (Refusal-SANDSTONE)	

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/20/16-7/20/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 058-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, dark brown, moist, medium stiff, low plasticity, organic matter Some CLAY, brown, soft to medium stiff, trace organic matter, gray mottling	
		1	0-5	5		CL		CLAY, some SILT, gray, moist, medium stiff, low to medium plasticity, olive brown mottling, red SILT lense	
-5	-5					SW		SAND, some CLAY, olive brown, moist, soft to medium stiff, low plasticity, orange-brown mottling, gypsum	
		2	5-10	5				Stiff	
-10	-10							End of Boring at 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/20/16-7/20/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 058-B3 Client: USACE Location: Laredo, TX
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


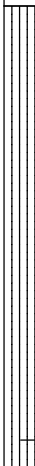
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, trace CLAY, dark brown, moist, soft, low plasticity, organic matter Little CLAY, brown with gray, red SILT lense, trace organic matter, olive brown mottling	Soil (0.0-1.0' bgs)
		1	0-5	5		CL		CLAY, little SILT, little SAND, gray, moist, medium stiff, low to medium plasticity, olive brown mottling, red SILT lense, trace gypsum, tan mottling	
-5	-5								
		2	5-10	5		SW		SAND, some CLAY, olive brown, moist, soft to medium stiff, low plasticity, dark brown SILT nodules, tan mottling, minor gray mottling	Bentonite Chips (1.0-10' bgs)
-10	-10							End of Boring at 10' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/20/16-7/20/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 9.5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 058-C1 Client: USACE Location: Laredo, TX
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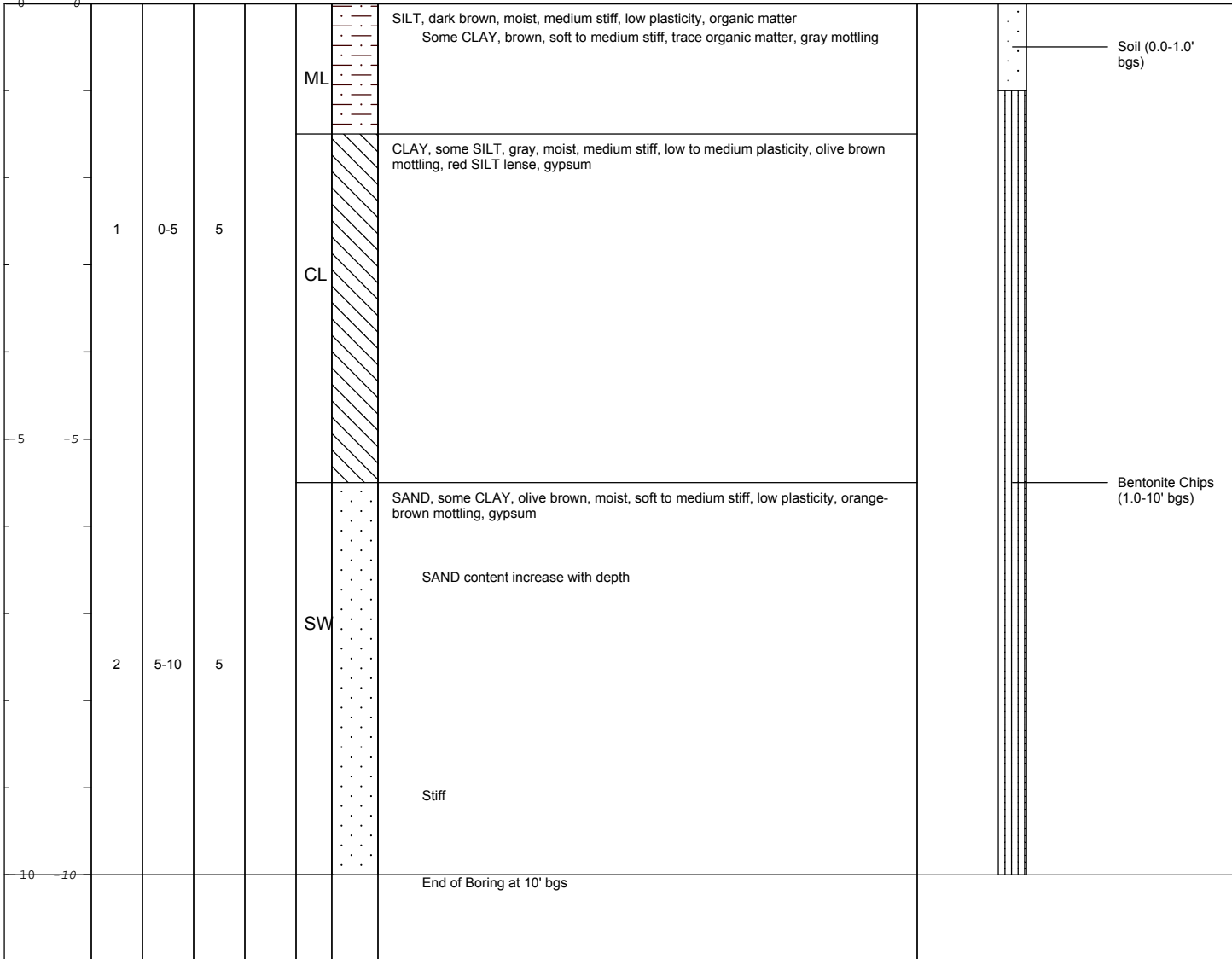
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, dark brown, moist, medium stiff, low plasticity, organic matter Little CLAY, brown, trace organic matter, trace gravel (sub-angular to angular).	 Soil (0.0-1.0' bgs)
		1	0-5	5		CL		CLAY, some SILT, gray, moist, medium stiff, low to medium plasticity, orange-brown mottling, trace anthracite (5.5' bgs)	
-5	-5					SW		SAND, some CLAY, trace SILT, brown-orange with minor gray, moist, very fine, well sorted, soft, low plasticity, gypsum, red SILT lense, minor olive brown mottling SAND content increase with depth.	 Bentonite Chips (1.0-9.5' bgs)
		2	5-10	3					
-10	-10							End of Boring at 9.5' bgs (Refusal-SANDSTONE)	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/20/16-7/20/16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 058-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column		
								Stratigraphic Description	Well/Boring Construction





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Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac


Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone

Elevations referenced to NAVD 88

Date Start/Finish: 7/20/16-7/20/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 10 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 058-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, trace CLAY, dark brown, moist, soft, low plasticity, organic matter Little CLAY, brown with gray, red SILT lense, trace organic matter, olive brown mottling	
		1	0-5	5		CL		CLAY, little SILT, little SAND, gray, moist, medium stiff, low to medium plasticity, olive brown mottling, red SILT lense, trace gypsum, tan mottling, red SILT nodules	
-5	-5					SW		SAND, some CLAY, olive brown, moist, soft to medium stiff, low plasticity, dark brown SILT nodules, tan mottling, minor gray mottling	
		2	5-10	2.5				End of Boring at 7.5' bgs (Refusal-SANDSTONE)	Soil (0.0-1.0' bgs) Bentonite Chips (1.0-7.5' bgs)
-10	-10								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/20/16-7/20/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 9 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 066-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X	ML		SILT, dark brown, moist, very soft, low plasticity, organic matter, trace skeet fragments (0.5' bgs) Some SAND, brown, soft to medium stiff, trace organic matter	
		1	0-5	5		SW		SAND, some SILT, tan, moist, very soft, nonplastic, trace organic matter, abundant gravel (sub-angular to angular) - possible gravel road.	
								SILT, some SAND, tan, moist, very soft, low plasticity, trace organic matter, trace gravel (sub-angular to angular) Little CLAY Little SAND, little CLAY, olive brown with gray, soft, gypsum, no gravel, red SILT lense	
-5	-5	2	5-10	4		ML			Soil (0.0-1.0' bgs) Bentonite Chips (1.0-9' bgs)
								End of Boring at 9' bgs (Refusal)	
-10	-10								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/20/16-7/20/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 7 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 066-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, organic matter Some SAND, trace CLAY, brown, soft to medium stiff, light gray mottling, trace organic matter Abundant gravel (sub-angular to angular)	Soil (0.0-1.0' bgs)
		1	0-5	5		ML			
								SAND, some SILT, trace CLAY, olive brown, very fine, well graded, low plasticity, very soft, trace caliche Nonplastic to low plastic	Bentonite Chips (1.0-7' bgs)
-5	-5					SW			
		2	5-10	2				End of Boring at 7' bgs (Refusal)	
-10	-10								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/20/16-7/20/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 7 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 066-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, dark brown, moist, soft, low plasticity, organic matter, trace skeet fragments (0.2') Little SAND, brown, trace organic matter, trace gravel (sub-angular to angular)	Soil (0.0-1.0' bgs)
		1	0-5	5		ML		Abundant gravel (sub-angular to angular) 2'-2.2' bgs Some SAND, tan, very soft, orange-brown SILT nodules, minor gray mottling	
-5	-5					SW		SAND, little SILT, olive brown, moist, very fine, well graded, nonplastic to low plastic, very soft, gypsum	Bentonite Chips (1.0-7' bgs)
-10	-10	2	5-10	2				End of Boring at 7' bgs (Refusal)	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/20/16-7/20/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 9 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 066-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, dark brown, moist, very soft, nonplastic, trace gravel (sub-angular), organic matter Little SAND, brown, soft to medium stiff, trace organic matter, trace gravel (sub-angular to angular)	Soil (0.0-1.0' bgs)
		1	0-5	5		SW		SAND, some SILT, tan, moist, very fine, well graded, nonplastic to low plastic, very soft, trace organic matter, abundant gravel (sub-angular to angular)	
-5	-5					ML		SILT, little CLAY, little SAND, olive brown with gray, moist, low plasticity, red SILT lense, gypsum (inccase with depth)	Bentonite Chips (1.0-9' bgs)
		2	5-10	4					
-10	-10							End of Boring at 9' bgs (Refusal)	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/20/16-7/20/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 6.5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 066-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, nonplastic to low plastic, organic matter Some SAND, trace CLAY, light brown, soft to medium stiff, low plasticity, trace gravel (sub-angular), trace organic matter, trace caliche Abundant gravel (sub-angular to angular)	Soil (0.0-1.0' bgs) Bentonite Chips (1.0-6.5' bgs)
-5	-5	1	0-5	5		ML		SAND, little SILT, trace CLAY, olive brown, moist, very fine, well graded, very soft, low plasticity	
						SW		End of Boring at 6.5' bgs (Refusal)	
-10	-10	2	5-10	1.5					

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac
	Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88

Date Start/Finish: 7/20/16-7/20/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 9 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 066-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, dark brown, moist, very soft, low plasticity, organic matter Little SAND, brown, soft to medium stiff, trace gravel (sub-angular to angular)	Soil (0.0-1.0' bgs)
		1	0-5	5		SW		SAND, some SILT, light brown, moist, nonplastic to low plastic, very soft, trace organic matter, abundant gravel (sub-angular to angular)	
-5	-5					ML		SILT, little CLAY, little SAND, olive brown with gray, moist, low plasticity, soft, red mottling, gypsum, trace caliche Calcite	Bentonite Chips (1.0-9' bgs)
		2	5-10	4				End of Boring at 9' bgs (Refusal)	
-10	-10								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/20/16-7/20/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 7 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 066-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, nonplastic to low plastic, organic matter Some SAND, trace CLAY, light brown, soft to medium stiff, low plasticity, trace gravel (sub-angular), trace organic matter, trace caliche Abundant gravel (sub-angular to angular) Trace skeet fragments	 Soil (0.0-1.0' bgs) Bentonite Chips (1.0-7' bgs)
-5	-5	1	0-5	5	X	ML		SAND, little SILT, trace CLAY, olive brown, moist, very fine, well graded, very soft, low plasticity	
						SW		End of Boring at 7' bgs (Refusal)	
-10	-10	2	5-10	2					

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 080-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, nonplastic to low plastic, soft to medium stiff, organic matter, red-brown SILT nodules	
		1	0-4	4		ML		Little CLAY, soft, low plasticity, trace organic matter	
								Some SAND, light brown, moist to wet, very soft, minor gray mottling	
-5	-5	2	4-8	4		SW		SAND, some SILT, olive brown, moist, very fine, well graded, very soft, nonplastic to low plastic, trace gravel (sub-angular to angular)	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 080-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry to moist, nonplastic to low plastic, soft to medium stiff, organic matter, red/brown SILT nodules	
		1	0-4	4		ML		Soft, trace organic matter, low plasticity, minor gray mottling	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		SW		SAND, some SILT, olive brown, moist, very fine, well graded, nonplastic to low plastic, very soft, light brown SILT lense	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 6.5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 080-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry to moist, nonplastic to low plastic, soft to medium stiff, red/brown SILT nodules, organic matter, trace gravel (sub-angular to angular) Soft, moist, trace organic matter, minor dark gray mottling	Soil (0.0-1.0' bgs)
		1	0-4	4		ML			
-5	-5							SAND, some SILT, olive brown, very fine, well graded, moist to wet, very soft, light brown SILT lense, nonplastic to low plastic	Bentonite Chips (1.0-6.5' bgs)
		2	4-8	2.5		SW			
								End of Boring at 6.5' bgs (Refusal-SANDSTONE)	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 080-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, nonplastic to low plastic, soft to medium stiff, organic matter, red-brown SILT nodules	
		1	0-4	4		ML		Little CLAY, soft, low plasticity, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5							Some SAND, light brown, moist to wet, very soft, minor gray mottling, trace gravel	Bentonite Chips (1.0-8' bgs)
		2	4-8	4		SW		SAND, some SILT, olive brown, moist, very fine, well graded, very soft, nonplastic to low plastic, trace gravel (sub-angular to angular)	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 080-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry to moist, nonplastic to low plastic, soft to medium stiff, organic matter, red/brown SILT nodules	
		1	0-4	4		ML		Soft, trace organic matter, low plasticity, minor gray mottling	Soil (0.0-1.0' bgs)
-5	-5								
		2	4-8	4		SW		SAND, some SILT, olive brown, moist, very fine, well graded, nonplastic to low plastic, very soft, light brown SILT lense	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 080-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry to moist, nonplastic to low plastic, soft to medium stiff, red/brown SILT nodules, organic matter, trace gravel (sub-angular to angular)	
		1	0-4	4		ML		Soft, moist, trace organic matter, minor dark gray mottling	Soil (0.0-1.0' bgs)
-5	-5								
		2	4-8	4		SW		SAND, some SILT, olive brown, very fine, well graded, moist to wet, very soft, light brown SILT lense, nonplastic to low plastic	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 080-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, nonplastic to low plastic, soft to medium stiff, organic matter, red-brown SILT nodules	
		1	0-4	4		ML		Little CLAY, soft, low plasticity, trace organic matter	Soil (0.0-1.0' bgs)
								Some SAND, light brown, moist to wet, very soft, minor gray mottling, trace gravel	Bentonite Chips (1.0-8' bgs)
-5	-5	2	4-8	4		SW		SAND, some SILT, olive brown, moist, very fine, well graded, very soft, nonplastic to low plastic, trace gravel (sub-angular to angular). WET 6.5' - 7.0'	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 080-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry to moist, nonplastic to low plastic, soft to medium stiff, organic matter, red/brown SILT nodules	
		1	0-4	4	X	ML		Soft, trace organic matter, low plasticity, minor gray mottling, skeet fragments	Soil (0.0-1.0' bgs)
-5	-5							SAND, some SILT, olive brown, moist, very fine, well graded, nonplastic to low plastic, very soft, light brown SILT lense	
		2	4-8	4		SW		WET 5.5'-6.5'	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/24/16-7/24/16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 087-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry, soft to medium stiff, low plasticity, organic matter, trace gravel (sub-angular)	
		1	0-5	5				Moist, medium stiff, minor gray mottling, trace organic matter	
								Trace CLAY, dark brown, soft, chert fragments	
								Some SAND, very fine, well graded, light brown, very soft, medium plasticity, moist to wet, no organic matter, no gravel, trace chert fragments, minor dark brown mottling	
-5	-5						ML	Moist, medium stiff	
		2	5-8	3					
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/24/16-7/24/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 087-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry, nonplastic to low plastic, medium stiff, organic matter, trace gravel (sub-angular)	
		1	0-5	5		ML		Little SAND, very fine, well graded, dry to moist, olive brown mottling, trace organic matter, trace caliche	
								Dark brown, abundant gravel (possible asphalt), low to medium plasticity, medium stiff to stiff, tan mottling	
								Little CLAY, little SAND (very fine, well graded), moist to wet, very soft, high plasticity	
-5	-5					MH		Organic matter, olive brown, gray mottling, minor dark gray mottling	
		2	5-8	3					
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/24/16-7/24/16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 087-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry, soft to medium stiff, low plasticity, organic matter, trace gravel (sub-angular)	
		1	0-5	5				Moist, medium stiff, minor gray mottling, trace organic matter	
								Abundant gravel 2.5'-2.8' (possible gravel road)	
								Trace CLAY, dark brown, soft, chert fragments	
								Some SAND, very fine, well graded, light brown, very soft, medium plasticity, moist to wet, no organic matter, no gravel, trace chert fragments, minor dark brown mottling	
-5	-5						ML		
		2	5-8	3				Moist, medium stiff	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/24/16-7/24/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 087-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry, nonplastic to low plastic, medium stiff, organic matter, trace gravel (sub-angular)	
		1	0-5	5		ML		Little SAND, very fine, well graded, dry to moist, olive brown mottling, trace organic matter, trace caliche	
								Dark brown, abundant gravel (possible asphalt), low to medium plasticity, medium stiff to stiff, tan mottling	
								Little CLAY, little SAND (very fine, well graded), moist to wet, very soft, high plasticity	
-5	-5					MH		Organic matter, olive brown, gray mottling, minor dark gray mottling	
		2	5-8	3				Some SAND, very fine, well graded	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/24/16-7/24/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 087-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry, soft, nonplastic to low plastic, organic matter, gravel (sub-angular)	
		1	0-5	5		ML		Low plasticity, trace caliche	Soil (0.0-1.0' bgs)
								Dark brown, moist, soft to medium stiff, trace organic matter, abundant gravel (sub-angular to angular)	
								Possible asphalt road, black, hard, dry (3.1'-3.3')	
								Little SAND, little CLAY, olive brown, moist, medium plasticity, gray mottling, trace gravel	
-5	-5								
		2	5-8	3		MH		High plasticity, very soft, minor dark gray mottling	Bentonite Chips (1.0-8' bgs)
								WET (6'-7.5')	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/24/16-7/24/16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 087-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry, soft to medium stiff, low plasticity, organic matter, trace gravel (sub-angular)	
		1	0-5	5				Moist, medium stiff, minor gray mottling, trace organic matter	
								Trace CLAY, dark brown, soft, chert fragments	
								Abundant gravel 3.1'-3.3' (possible gravel road)	
								Some SAND, very fine, well graded, light brown, very soft, medium plasticity, moist to wet, no organic matter, no gravel, trace chert fragments, minor dark brown mottling	
-5	-5						ML		
		2	5-8	3				Moist, medium stiff	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/24/16-7/24/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 087-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, little SAND, brown, dry, nonplastic to low plastic, soft to medium stiff, organic matter, trace gravel	
		1	0-5	5		ML		Chert fragments	
								Dark brown, moist, low plasticity, trace organic matter, abundant gravel (sub-angular), possible asphalt/gravel road, stiff to hard, (2.5'-2.8')	
								Brown, very soft, medium plasticity, moist to wet, gray mottling, olive brown mottling	
-5	-5	2	5-8	3				High plasticity, minor dark gray mottling, trace organic matter	
						MH			
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/24/16-7/24/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 087-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry, soft, nonplastic to low plastic, organic matter, gravel (sub-angular)	
		1	0-5	5		ML		Low plasticity, trace caliche	Soil (0.0-1.0' bgs)
								Dark brown, moist, soft to medium stiff, trace organic matter, abundant gravel (sub-angular to angular)	
								Possible asphalt road, black, hard, dry (3.1'-3.3')	
								Little SAND, little CLAY, olive brown, moist, medium plasticity, gray mottling, trace gravel	
-5	-5								Bentonite Chips (1.0-8' bgs)
		2	5-8	3		MH		High plasticity, very soft, minor dark gray mottling	
								WET (6.1'-6.4')	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/25/16-7/25/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 095-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, soft, low plasticity, organic matter Brown, trace organic matter	
		1	0-5	5		ML		Trace gravel (sub-angular) Little SAND, tan, very soft, low to medium plasticity, light brown SILT lense Chert fragments	Soil (0.0-1.0' bgs)
-5	-5	2	5-8	3		SW		SAND, little SILT, trace CLAY, olive brown, moist, very fine, well graded, trace gravel (sub-angular), tan SILT lense, nonplastic to low plastic, very soft, WET (5'-5.7')	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/25/16-7/25/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 095-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, soft, low plasticity, organic matter Brown, trace organic matter, soft to medium stiff	
		1	0-5	5		ML		Little SAND	Soil (0.0-1.0' bgs)
-5	-5							SAND, some SILT, tan, moist, very fine, well graded, very soft, nonplastic to low plastic, gravel (sub-angular to angular), trace organic matter Olive brown, SILT nodules WET (5'-5.5')	Bentonite Chips (1.0-8' bgs)
		2	5-8	3		SW			
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/25/16-7/25/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 095-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, soft, low plasticity, organic matter, trace gravel (sub-angular) Tan, soft to meduim stiff, trace organic matter, light brown SILT lense	Soil (0.0-1.0' bgs)
		1	0-5	5		ML		Some SAND, very soft, moist to wet, dark brown SILT lense	
-5	-5							SAND, some SILT, olive brown, moist to wet, very fine, well graded, nonplastic to low plastic, trace gravel (sub-angular), SILT nodules, trace gray SILT WET (5'-5.2')	Bentonite Chips (1.0-8' bgs)
		2	5-8	3		SW			
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/25/16-7/25/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 095-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, soft, low plasticity, organic matter Brown, trace organic matter, soft to medium stiff	
		1	0-5	5		ML		Little SAND	Soil (0.0-1.0' bgs)
-5	-5							SAND, some SILT, tan, moist, very fine, well graded, very soft, nonplastic to low plastic, gravel (sub-angular to angular), trace organic matter Olive brown, SILT nodules WET (5'-6')	Bentonite Chips (1.0-8' bgs)
		2	5-8	3		SW			
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/25/16-7/25/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 095-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, soft, low plasticity, organic matter, trace gravel (sub-angular) Tan, soft to meduim stiff, trace organic matter, light brown SILT lense	Soil (0.0-1.0' bgs)
		1	0-5	5		ML		Some SAND, very soft, moist to wet, dark brown SILT lense	
-5	-5							SAND, some SILT, olive brown, moist to wet, very fine, well graded, nonplastic to low plastic, trace gravel (sub-angular), SILT nodules, trace gray SILT WET (5'-5.3')	Bentonite Chips (1.0-8' bgs)
		2	5-8	3		SW			
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/25/16-7/25/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 095-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, soft, low plasticity, organic matter Brown, trace organic matter, soft to medium stiff	
		1	0-5	5		ML		Little SAND	Soil (0.0-1.0' bgs)
-5	-5							SAND, some SILT, tan, moist, very fine, well graded, very soft, nonplastic to low plastic, gravel (sub-angular to angular), trace organic matter Olive brown, SILT nodules WET (5'-8')	Bentonite Chips (1.0-8' bgs)
		2	5-8	3		SW			
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/25/16-7/25/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 095-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, soft, low plasticity, organic matter, trace gravel (sub-angular) Tan, soft to meduim stiff, trace organic matter, light brown SILT lense	Soil (0.0-1.0' bgs)
		1	0-5	5		ML		Some SAND, very soft, moist to wet, dark brown SILT lense	
-5	-5							SAND, some SILT, olive brown, moist to wet, very fine, well graded, nonplastic to low plastic, trace gravel (sub-angular), SILT nodules, trace gray SILT WET (5'-6')	Bentonite Chips (1.0-8' bgs)
		2	5-8	3		SW			
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/28/16-7/28/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 105-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark gray, moist, very soft, low plasticity, organic matter Brown, soft to medium stiff	
		1	0-5	5		ML		Little CLAY	Soil (0.0-1.0' bgs)
						CL		CLAY, some SILT, gray, moist, soft, low to medium plasticity, minor dark gray mottling	
-5	-5	2	5-8	3		ML		SILT, some CLAY, gray with brown, moist, low plasticity, very soft, minor dark gray mottling, trace gravel (sub-angular) Brown with minor gray	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/28/16-7/28/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 105-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, very soft, low plasticity, organic matter Brown, trace organic matter	
		1	0-5	5		ML		Soft to medium stiff, trace caliche	
						CL		CLAY, some SILT, gray, moist, soft, low to medium plasticity, minor dark gray mottling	
-5	-5								
		2	5-8	3		ML		SILT, little CLAY, olive brown, moist, very soft, low plasticity, trace organic matter, trace gravel (sub-angular to angular), minor gray mottling, orange/brown SILT nodules Brown	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/28/16-7/28/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 105-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark gray, moist, very soft, low plasticity, organic matter Brown, trace organic matter, trace gravel (sub-angular)	
		1	0-5	5				Some CLAY, olive brown, minor gray mottling, soft to medium stiff Soft, gray mottling, minor dark gray mottling	Soil (0.0-1.0' bgs)
-5	-5					ML		Low to medium plasticity (5'-6.1')	Bentonite Chips (1.0-8' bgs)
		2	5-8	3					
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/28/16-7/28/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 105-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark gray, moist, very soft, low plasticity, organic matter Brown, soft to medium stiff	
		1	0-5	5		ML		Little CLAY	Soil (0.0-1.0' bgs)
						CL		CLAY, some SILT, gray, moist, soft, low to medium plasticity, minor dark gray mottling	
-5	-5	2	5-8	3		ML		SILT, some CLAY, gray with brown, moist, low plasticity, very soft, minor dark gray mottling, trace gravel (sub-angular) Brown with minor gray	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/28/16-7/28/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 105-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, very soft, low plasticity, organic matter Brown, trace organic matter	
		1	0-5	5		ML		Soft to medium stiff, trace caliche	
						CL		CLAY, some SILT, gray, moist, soft, low to medium plasticity, minor dark gray mottling	
-5	-5	2	5-8	3		ML		SILT, little CLAY, olive brown, moist, very soft, low plasticity, trace organic matter, trace gravel (sub-angular to angular), minor gray mottling, orange/brown SILT nodules Brown	Soil (0.0-1.0' bgs) Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/28/16-7/28/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 105-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark gray, moist, very soft, low plasticity, organic matter Brown, trace organic matter, trace gravel (sub-angular)	
		1	0-5	5				Some CLAY, olive brown, minor gray mottling, soft to medium stiff Medium stiff (3'-3.5') Soft, gray mottling, minor dark gray mottling	
						ML		Low to medium plasticity (5'-6.1')	
-5	-5	2	5-8	3					
						SW		SAND, some SILT, olive brown, moist, very fine, well graded, nonplastic, very soft, trace gravel (sub-angular)	
						ML		SILT, some CLAY, olive brown, moist, soft, low plasticity, gray mottling, minor dark gray mottling, trace organic matter	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/28/16-7/28/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 105-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark gray, moist, very soft, low plasticity, organic matter Brown, soft to medium stiff	
		1	0-5	5		ML		Little CLAY	Soil (0.0-1.0' bgs)
						CL		CLAY, some SILT, gray, moist, soft, low to medium plasticity, minor dark gray mottling	
-5	-5	2	5-8	3		ML		SILT, some CLAY, gray with brown, moist, low plasticity, very soft, minor dark gray mottling, trace gravel (sub-angular), tan SILT lense Orange/brown SILT nodules Brown with minor gray	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/28/16-7/28/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 105-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark gray, moist, very soft, low plasticity, organic matter Brown, trace organic matter, trace gravel (sub-angular)	
		1	0-5	5				Some CLAY, olive brown, minor gray mottling, soft to medium stiff Medium stiff (3'-3.5') Soft, gray mottling, minor dark gray mottling	
						ML		Low to medium plasticity (5'-6.1') Stiff (5'-5.5;)	
-5	-5	2	5-8	3				SAND, some SILT, olive brown, moist, very fine, well graded, nonplastic, very soft, trace gravel (sub-angular)	Soil (0.0-1.0' bgs)
						SW			
						ML		SILT, some CLAY, olive brown, moist, soft, low plasticity, gray mottling, minor dark gray mottling, trace organic matter	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/19/16-7/19/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 110-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, nonplastic to low plastic, organic matter, trace gravel (sub-angular) Trace CLAY, brown, low plasticity, trace organic matter, abundant gravel (sub-angular to angular)	Soil (0.0-1.0' bgs)
		1	0-4	4		ML		Soft to medium stiff (2'-2.7') Little SAND, soft Some SAND, little CLAY, olive brown, soft, gypsum, trace gravel (sub-angular to angular), trace organic matter	
-5	-5	2	4-8	4				Red SILT band	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/19/16-7/19/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 110-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low to medium plasticity, organic matter Little SAND, trace CLAY, brown, low plasticity, soft, abundant gravel, trace organic matter	Soil (0.0-1.0' bgs)
		1	0-4	4		ML		Some SAND, trace CLAY, olive brown with gray, trace organic matter, gypsum Red SILT nodules	
-5	-5							Brown/orange mottling	
		2	4-8	4				Medium stiff	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/19/16-7/19/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 110-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, organic matter Brown, soft, trace organic matter, chert fragments, gray mottling	Soil (0.0-1.0' bgs)
		1	0-4	4		ML		Some SAND, trace CLAY, gray with light brown, gypsum, orange/brown mottling	
-5	-5	2	4-8	4		CL		CLAY, some SILT, trace SAND, gray, moist, soft, low to medium plasticity, orange/brown mottling, red SILT lense, gypsum Olive brown	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

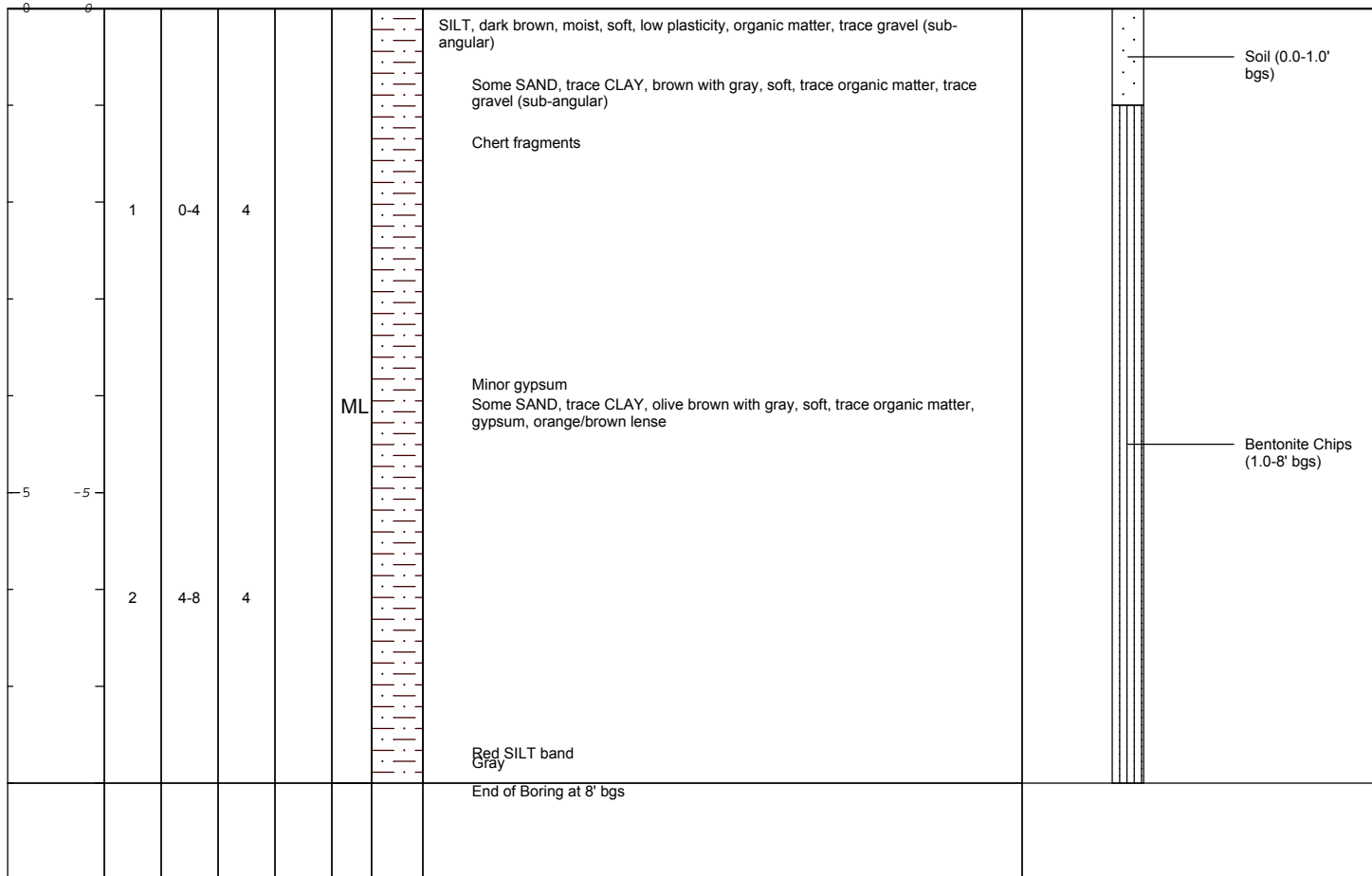
	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/19/16-7/19/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 110-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, organic matter, trace gravel (sub-angular) Trace SAND, trace CLAY, brown, trace organic matter, abundant gravel (sub-angular to angular)	
		1	0-4	4			ML	Some SAND, little CLAY, olive brown, with gray, low to medium plasticity, brown/orange lense	Soil (0.0-1.0' bgs)
-5	-5							Gypsum	
		2	4-8	4				Red SILT band	Bentonite Chips (1.0-8' bgs)
								Medium stiff, minor gray	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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	<p>Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac</p> <p>Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88</p>
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Date Start/Finish: 7/19/16-7/19/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 110-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, organic matter Brown, soft, trace organic matter, chert fragments, gray mottling	Soil (0.0-1.0' bgs)
		1	0-4	4		ML		Some SAND, trace CLAY, gray with light brown, gypsum, orange/brown mottling	
-5	-5	2	4-8	4		CL		CLAY, some SILT, trace SAND, gray, moist, soft, low to medium plasticity, orange/brown mottling, red SILT lense, gypsum Olive brown	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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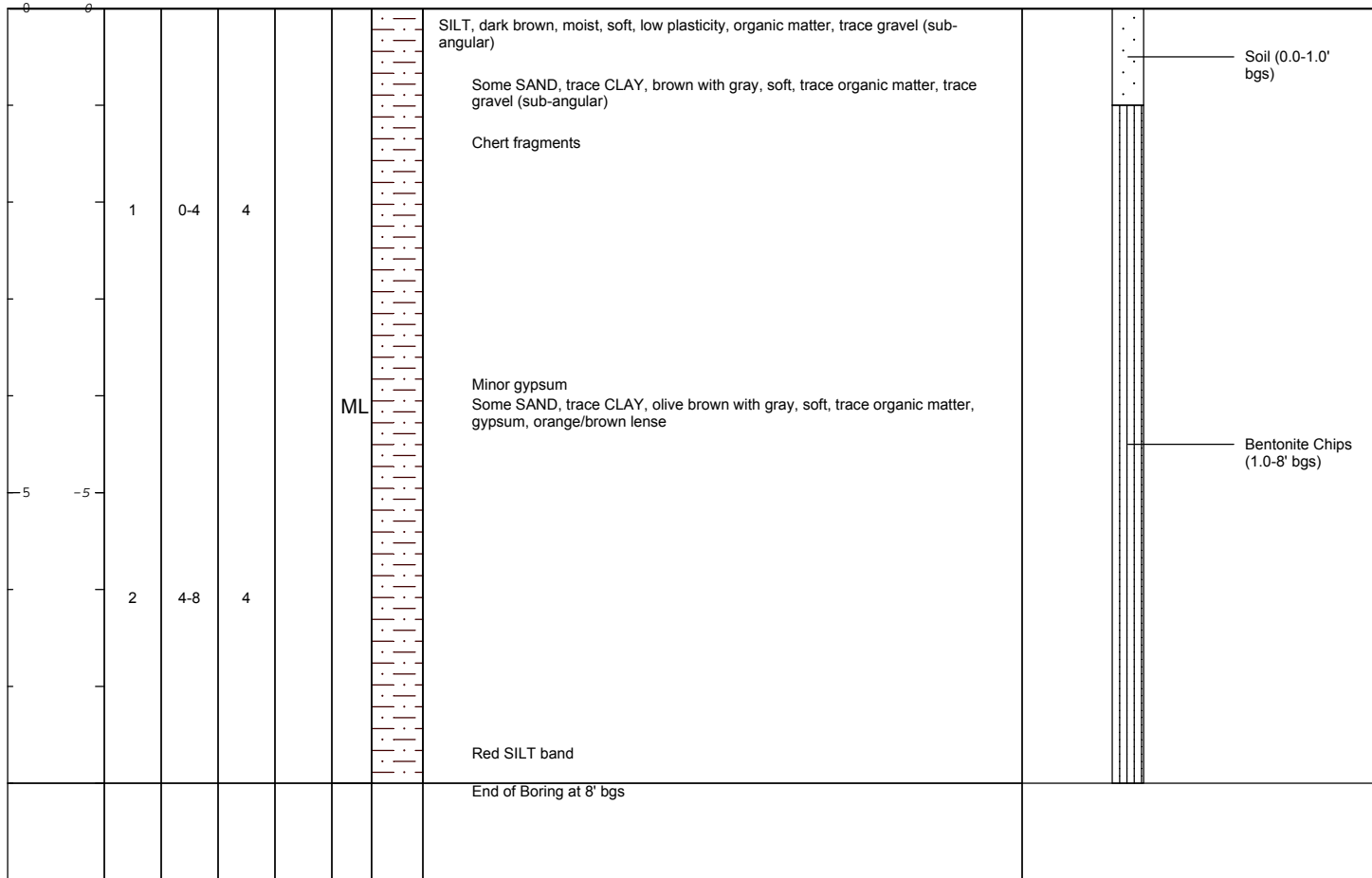
Date Start/Finish: 7/19/16-7/19/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 110-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, organic matter, trace gravel (sub-angular) Little SAND, trace CLAY, brown, trace organic matter, abundant gravel, chert fragments	Soil (0.0-1.0' bgs)
		1	0-4	4			ML	Some SAND, trace CLAY, olive brown with gray, trace gravel, red SILT lense, gypsum, orange/brown lense	
-5	-5							Very soft, increase in SAND content (5.7'-6')	Bentonite Chips (1.0-8' bgs)
		2	4-8	4					
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac

Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone

Elevations referenced to NAVD 88

Date Start/Finish: 7/19/16-7/19/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 110-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, organic matter Brown, soft, trace organic matter, chert fragments, gray mottling	Soil (0.0-1.0' bgs)
		1	0-4	4		ML		Some SAND, trace CLAY, gray with light brown, gypsum, orange/brown mottling Red SILT band	
-5	-5	2	4-8	4		CL		CLAY, some SILT, trace SAND, gray, moist, soft, low to medium plasticity, orange/brown mottling, red SILT lense, gypsum Olive brown	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/23/16-7/23/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 6 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 115-A1 Client: USACE Location: Laredo, TX
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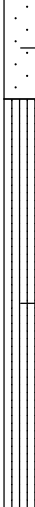
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, some SAND, brown, dry, nonplastic, very soft, organic matter Light brown, trace organic matter, chert fragments	 Soil (0.0-1.0' bgs) Bentonite Chips (1.0-6' bgs)
-5	-5	1	0-5	5		ML		Little CLAY, moist, low plasticity Trace CLAY, olive brown SILT lense, chert fragments	
		2	5-8	1				End of Boring at 6' bgs (Refusal-SILTSTONE)	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/23/16-7/23/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 115-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry, nonplastic, soft, organic matter, trace gravel (sub-angular) Little SAND, light brown, trace organic matter Olive brown, trace caliche Trace CLAY, moist	 Soil (0.0-1.0' bgs) Bentonite Chips (1.0-5' bgs)
5	5	1	0-5	5		ML		End of Boring at 5' bgs (Refusal-SILTSTONE)	
		2	5-8	0					

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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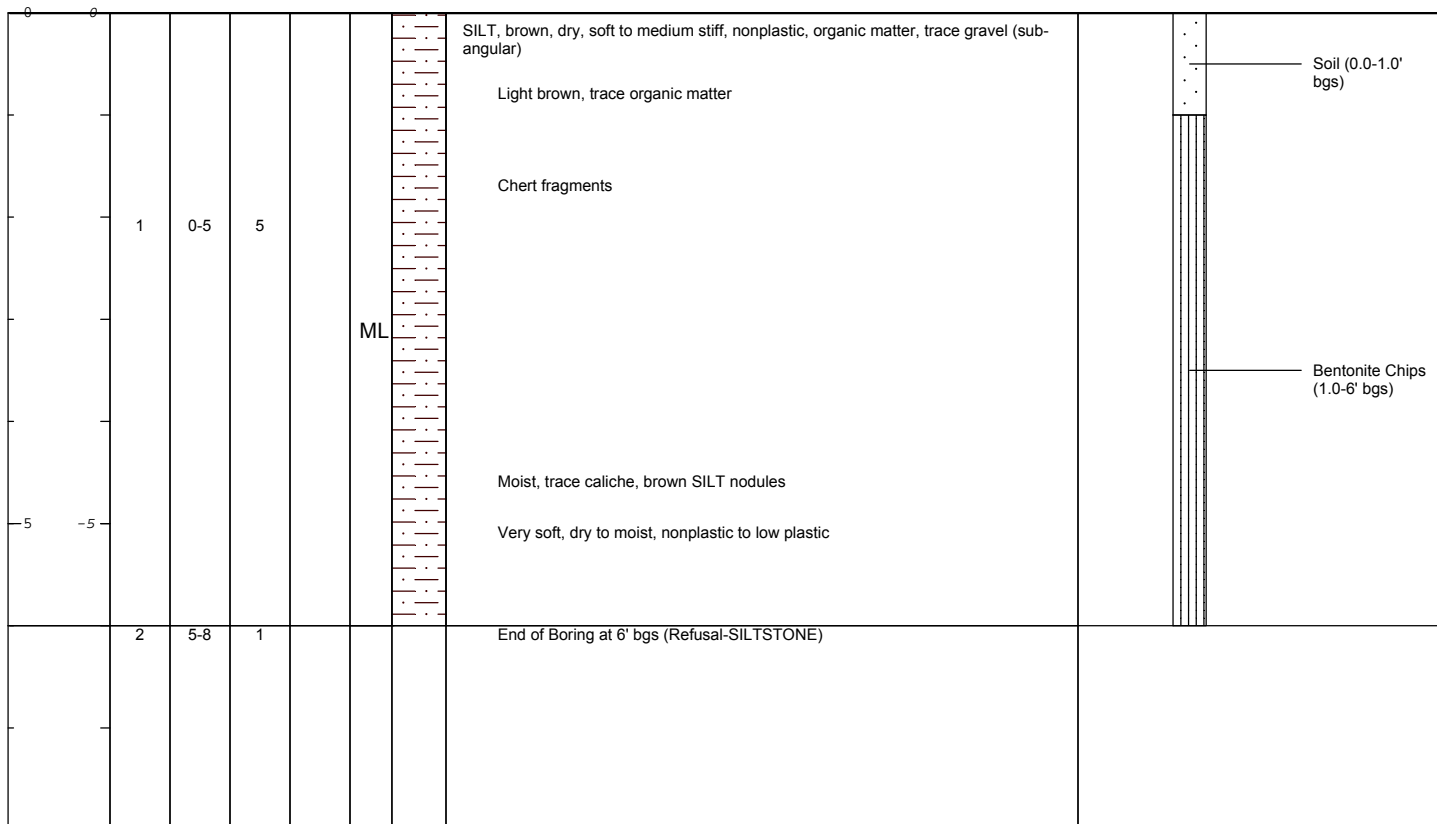
Date Start/Finish: 7/23/16-7/23/16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 115-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry, nonplastic, soft, organic matter, trace gravel (sub-angular)	
		1	0-5	4		ML		Light brown, trace organic matter	Soil (0.0-1.0' bgs)
								Trace CLAY, little SAND, olive brown	
								Little CLAY, moist, minor gray mottling	Bentonite Chips (1.0-5' bgs)
5	5							End of Boring at 5' bgs (Refusal-SILTSTONE)	
		2	5-8	0					

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	<p>Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac</p> <p>Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88</p>
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Date Start/Finish: 7/23/16-7/23/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 115-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry, nonplastic, soft, organic matter, trace gravel (sub-angular) Little SAND, light brown, trace organic matter Olive brown, trace caliche Trace CLAY, moist	<p>Soil (0.0-1.0' bgs)</p> <p>Bentonite Chips (1.0-5' bgs)</p>
5	5	1	0-5	5		ML		End of Boring at 5' bgs (Refusal-SILTSTONE)	
		2	5-8	0					

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/23/16-7/23/16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 115-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry, nonplastic, soft, organic matter, trace gravel (sub-angular), chert fragments Light brown, trace organic matter	 Soil (0.0-1.0' bgs) Bentonite Chips (1.0-5' bgs)
5	5	1	0-5	5		ML		Trace CLAY, little SAND, olive brown Little CLAY, moist, minor gray mottling	
								End of Boring at 5' bgs (Refusal-SILTSTONE)	
		2	5-8	0					

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/23/16-7/23/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 115-C1 Client: USACE Location: Laredo, TX
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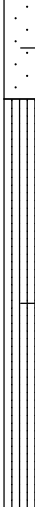
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry, soft, nonplastic, organic matter Trace skeet fragments Little SAND, trace gravel (sub-angular), light brown, trace organic matter	 Soil (0.0-1.0' bgs) Bentonite Chips (1.0-5' bgs)
5	5	1	0-5	5	X	ML		Moist, olive brown lense End of Boring at 5' bgs (Refusal-SILTSTONE)	
		2	5-8	0					

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/23/16-7/23/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 115-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0	1	0-5	5		ML		SILT, brown, dry, nonplastic, soft, organic matter, trace gravel (sub-angular) Little SAND, light brown, trace organic matter Olive brown, trace caliche Trace CLAY, moist End of Boring at 5' bgs (Refusal-SILTSTONE)	 Soil (0.0-1.0' bgs) Bentonite Chips (1.0-5' bgs)
5	5	2	5-8	0					

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/23/16-7/23/16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 115-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry, nonplastic, soft, organic matter, trace gravel (sub-angular), chert fragments Light brown, trace organic matter	 Soil (0.0-1.0' bgs) Bentonite Chips (1.0-5' bgs)
5	5	1	0-5	5		ML		Trace CLAY, little SAND, olive brown Little CLAY, moist, minor gray mottling	
								End of Boring at 5' bgs (Refusal-SILTSTONE)	
		2	5-8	0					

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 118-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, organic matter Trace CLAY, trace SAND, brown, soft, trace organic matter, trace gravel (sub-angular)	 Soil (0.0-1.0' bgs)
		1	0-5	5		ML		Olive brown, orange/brown mottling, chert fragments, trace caliche	
-5	-5							Very soft, slight increase in SAND content	Bentonite Chips (1.0-8' bgs)
		2	5-8	3					
								End of Boring at 8' bgs	

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 118-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, organic matter	
		1	0-4	4				Little SAND, trace CLAY, brown, trace organic matter, orange/brown mottling, chert fragments	Soil (0.0-1.0' bgs)
						ML			
-5	-5							Some SAND, olive brown	
		2	4-8	4				Gray mottling	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 118-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, organic matter	
		1	0-4	4		ML		Little SAND, trace CLAY, brown, soft, trace organic matter, orange/brown mottling, trace red SILT nodules, trace gravel (sub-angular)	Soil (0.0-1.0' bgs)
-5	-5							Some SAND, olive brown, gray mottling	
		2	4-8	4		CL		CLAY, little SILT, gray, moist, soft to medium stiff, low plasticity, olive brown mottling, red SILT lense	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 118-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, organic matter	
								Trace CLAY, trace SAND, brown, soft, trace organic matter, trace gravel (sub-angular)	Soil (0.0-1.0' bgs)
		1	0-5	5				Olive brown, orange/brown mottling, chert fragments, trace caliche	
						ML			
-5	-5							Very soft, slight increase in SAND content	Bentonite Chips (1.0-8' bgs)
		2	5-8	3					
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 118-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, organic matter	
		1	0-4	4				Little SAND, trace CLAY, brown, trace organic matter, orange/brown mottling, chert fragments	Soil (0.0-1.0' bgs)
						ML			
-5	-5							Some SAND, olive brown	
		2	4-8	4				Minor gray mottling	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 118-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, organic matter Little SAND, trace CLAY, brown, soft, trace organic matter, orange/brown mottling, trace red SILT nodules, trace gravel (sub-angular)	Soil (0.0-1.0' bgs)
		1	0-4	4		ML		Some SAND, olive brown, gray mottling	
-5	-5	2	4-8	4		CL		CLAY, little SILT, gray, moist, soft to medium stiff, low plasticity, olive brown mottling, red SILT lense	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 118-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, organic matter	
								Trace CLAY, trace SAND, brown, soft, trace organic matter, trace gravel (sub-angular)	Soil (0.0-1.0' bgs)
		1	0-5	5				Olive brown, orange/brown mottling, chert fragments, trace caliche	
						ML			
-5	-5							Very soft, slight increase in SAND content	Bentonite Chips (1.0-8' bgs)
		2	5-8	3					
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 118-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, organic matter	
		1	0-4	4			ML	Little SAND, trace CLAY, brown, trace organic matter, orange/brown mottling, chert fragments	Soil (0.0-1.0' bgs)
-5	-5							Some SAND, olive brown	
		2	4-8	4				Minor gray mottling Gypsum	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 118-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, organic matter	
		1	0-4	4		ML		Little SAND, trace CLAY, brown, soft, trace organic matter, orange/brown mottling, trace red SILT nodules, trace gravel (sub-angular)	Soil (0.0-1.0' bgs)
-5	-5							Some SAND, olive brown, gray mottling	
		2	4-8	4		CL		CLAY, little SILT, gray, moist, soft to medium stiff, low plasticity, olive brown mottling, red SILT lense	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/23/16-7/23/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 125-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, nonplastic to low plastic, soft, organic matter	
		1	0-4	4		ML		Moist, low plasticity, trace organic matter, dark brown SILT lense	
								Little CLAY, chert fragments, olive brown, low to medium plasticity, light brown mottling	
-5	-5					SW		SAND, some SILT, olive brown, very fine, well graded, moist, soft, low plasticity, gypsum, light brown SILT lense, trace dark brown SILT	
		2	4-8	4		CL		CLAY, little SILT, little SAND, gray, moist, soft to medium stiff, olive brown mottling, gypsum, red SILT lense	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/23/16-7/23/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 125-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, soft, low plasticity, organic matter, trace gravel (sub-angular)	
		1	0-4	4		ML		Trace CLAY, moist, trace organic matter Some CLAY, olive brown, minor gray mottling, trace caliche	Soil (0.0-1.0' bgs)
-5	-5							CLAY, some SILT, gray, moist, low to medium plasticity, soft, olive brown mottling, red/brown SILT lense, gypsum, dark gray mottling	Bentonite Chips (1.0-8' bgs)
		2	4-8	4		CL			
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/23/16-7/23/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 125-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, soft, low plasticity, organic matter, trace gravel (sub-angular)	
								Trace CLAY, brown, moist, low to medium plasticity, trace organic matter	
		1	0-4	4		ML		Chert fragments	Soil (0.0-1.0' bgs)
								Little CLAY, gray mottling, olive brown mottling, low to medium plasticity	
-5	-5								
		2	4-8	4		CL		CLAY, some SILT, gray, moist, soft to medium stiff, low to medium plasticity, olive brown mottling, red SILT lense, gypsum, dark gray mottling	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/23/16-7/23/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 125-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, soft, low plasticity, organic matter, trace gravel (sub-angular)	
		1	0-4	4		ML		Trace CLAY, moist, trace organic matter Some CLAY, olive brown, minor gray mottling, trace caliche	Soil (0.0-1.0' bgs)
-5	-5							CLAY, some SILT, gray, moist, low to medium plasticity, soft, olive brown mottling, red/brown SILT lense, gypsum, dark gray mottling	Bentonite Chips (1.0-8' bgs)
		2	4-8	4		CL			
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/23/16-7/23/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 125-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, soft, low plasticity, organic matter, trace gravel (sub-angular)	
								Trace CLAY, brown, moist, low to medium plasticity, trace organic matter	
		1	0-4	4		ML		Chert fragments	Soil (0.0-1.0' bgs)
								Little CLAY, gray mottling, olive brown mottling, low to medium plasticity	
-5	-5								
		2	4-8	4		CL		CLAY, some SILT, gray, moist, soft to medium stiff, low to medium plasticity, olive brown mottling, red SILT lense, gypsum, dark gray mottling	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/23/16-7/23/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 125-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, nonplastic to low plastic, soft, organic matter, trace gravel (sub-angular)	
		1	0-4	4		ML		Low plasticity, trace organic matter Chert fragments	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		SW		SAND, some SILT, olive brown, moist, nonplastic to low plastic, soft, light brown SILT lense, trace organic matter, trace caliche Little CLAY, very soft, gypsum	Bentonite Chips (1.0-8' bgs)
						CL		CLAY, some SILT, trace SAND, gray, moist, low plasticity, soft to medium stiff, gypsum, olive brown mottling	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/23/16-7/23/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 125-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, soft, low plasticity, organic matter, trace gravel (sub-angular)	
		1	0-4	4		ML		Trace CLAY, moist, trace organic matter Chert fragments, light brown mottling Some CLAY, olive brown, minor gray mottling, trace caliche	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		CL		CLAY, some SILT, gray, moist, low to medium plasticity, soft, olive brown mottling, red/brown SILT lense, gypsum, dark gray mottling	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/23/16-7/23/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 125-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, soft, low plasticity, organic matter, trace gravel (sub-angular) Trace CLAY, brown, moist, low to medium plasticity, trace organic matter	Soil (0.0-1.0' bgs)
		1	0-4	4		ML		Chert fragments Little CLAY, gray mottling, olive brown mottling, low to medium plasticity	
-5	-5	2	4-8	4		CL		CLAY, some SILT, gray, moist, soft to medium stiff, low to medium plasticity, olive brown mottling, red SILT lense, gypsum, dark gray mottling	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/26/16-7/26/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 129-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry to moist, soft, low plasticity, organic matter Medium stiff	
		1	0-5	5		ML		Olive brown, moist	
								Some CLAY, medium plasticity, minor gray mottling, soft, minor dark gray mottling, light brown SILT lense	
-5	-5								
		2	5-8	3		CL		CLAY, some SILT, gray, moist, soft, low palsticity, olive brown mottling, gypsum, minor dark gray mottling	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/26/16-7/26/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 129-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry to moist, soft, low plasticity, organic matter	
		1	0-5	5		ML		Trace caliche, trace organic matter, minor dark brown mottling	
								Medium stiff, moist, olive brown mottling, minor gray mottling	
-5	-5	2	5-8	3		CL		CLAY, some SILT, gray, moist, low plasticity, soft to medium stiff, olive brown mottling, minor dark gray mottling, gypsum	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/26/16-7/26/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 129-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, soft, low plasticity, organic matter	
		1	0-5	5		ML		Soft to medium stiff, trace organic matter, trace gravel (sub-angular)	
								Olive brown mottling, minor gray mottline, trace caliche	
-5	-5	2	5-8	3		CL		CLAY, some SILT, gray, moist, soft to medium stiff, low plasticity, olive brown mottling, gypsum, minor dark gray mottling	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/26/16-7/26/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 129-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry to moist, soft, low plasticity, organic matter Medium stiff	
		1	0-5	5		ML		Olive brown, moist	
								Some CLAY, medium plasticity, minor gray mottling, soft, minor dark gray mottling, light brown SILT lense	
-5	-5								
		2	5-8	3		CL		CLAY, some SILT, gray, moist, soft, low palsticity, olive brown mottling, gypsum, minor dark gray mottling	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/26/16-7/26/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 129-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry to moist, soft, low plasticity, organic matter	
		1	0-5	5		ML		Trace caliche, trace organic matter, minor dark brown mottling	
								Medium stiff, moist, olive brown mottling, minor gray mottling	
-5	-5	2	5-8	3		CL		CLAY, some SILT, gray, moist, low plasticity, soft to medium stiff, olive brown mottling, minor dark gray mottling, gypsum	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/26/16-7/26/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 129-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, brown, dry to moist, soft, low plasticity, organic matter Trace skeet fragments Soft to medium stiff, trace organic matter, trace gravel (sub-angular) Olive brown mottling, minor gray mottline, trace caliche	Soil (0.0-1.0' bgs)
		1	0-5	5		ML		CLAY, some SILT, gray, moist, soft to medium stiff, low plasticity, olive brown mottling, gypsum, minor dark gray mottling	Bentonite Chips (1.0-8' bgs)
-5	-5	2	5-8	3		CL		End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/26/16-7/26/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 129-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry to moist, soft, low plasticity, organic matter Medium stiff	
		1	0-5	5		ML		Olive brown, moist	
								Some CLAY, medium plasticity, minor gray mottling, soft, minor dark gray mottling, light brown SILT lense	
-5	-5								
		2	5-8	3		CL		CLAY, some SILT, gray, moist, soft, low plasticity, olive brown mottling, gypsum, minor dark gray mottling	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/26/16-7/26/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 129-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, dry to moist, soft, low plasticity, organic matter	
		1	0-5	5		ML		Trace caliche, trace organic matter, minor dark brown mottling	
								Medium stiff, moist, olive brown mottling, minor gray mottling	
-5	-5	2	5-8	3		CL		CLAY, some SILT, gray, moist, low plasticity, soft to medium stiff, olive brown mottling, minor dark gray mottling, gypsum, SILT nodules	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/26/16-7/26/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 129-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X	ML		SILT, brown, dry to moist, soft, low plasticity, organic matter Trace skeet fragments Soft to medium stiff, trace organic matter, trace gravel (sub-angular) Olive brown mottling, minor gray mottline, trace caliche	Soil (0.0-1.0' bgs)
-5	-5	1	0-5	5		CL		CLAY, some SILT, gray, moist, soft to medium stiff, low plasticity, olive brown mottling, gypsum, minor dark gray mottling	Bentonite Chips (1.0-8' bgs)
		2	5-8	3				End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/22/16-7/22/16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 134-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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Depth (ft)	Soil Description	Soil Type	Notes
0 - 5	SILT, dark brown, moist, very soft, low to medium plasticity, organic matter Brown, soft, trace organic matter, trace gravel (sub-angular), olive brown mottling Chert fragments Trace CLAY, brown, soft to medium stiff, gray mottling, no gravel	ML	Soil (0.0-1.0' bgs) Bentonite Chips (1.0-8' bgs)
5 - 8	CLAY, some SILT, trace SAND, gray, moist, soft to medium stiff, low plasticity, olive brown mottling, gypsum, caliche	CL	
8	End of Boring at 8' bgs		



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Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac

Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone

Elevations referenced to NAVD 88

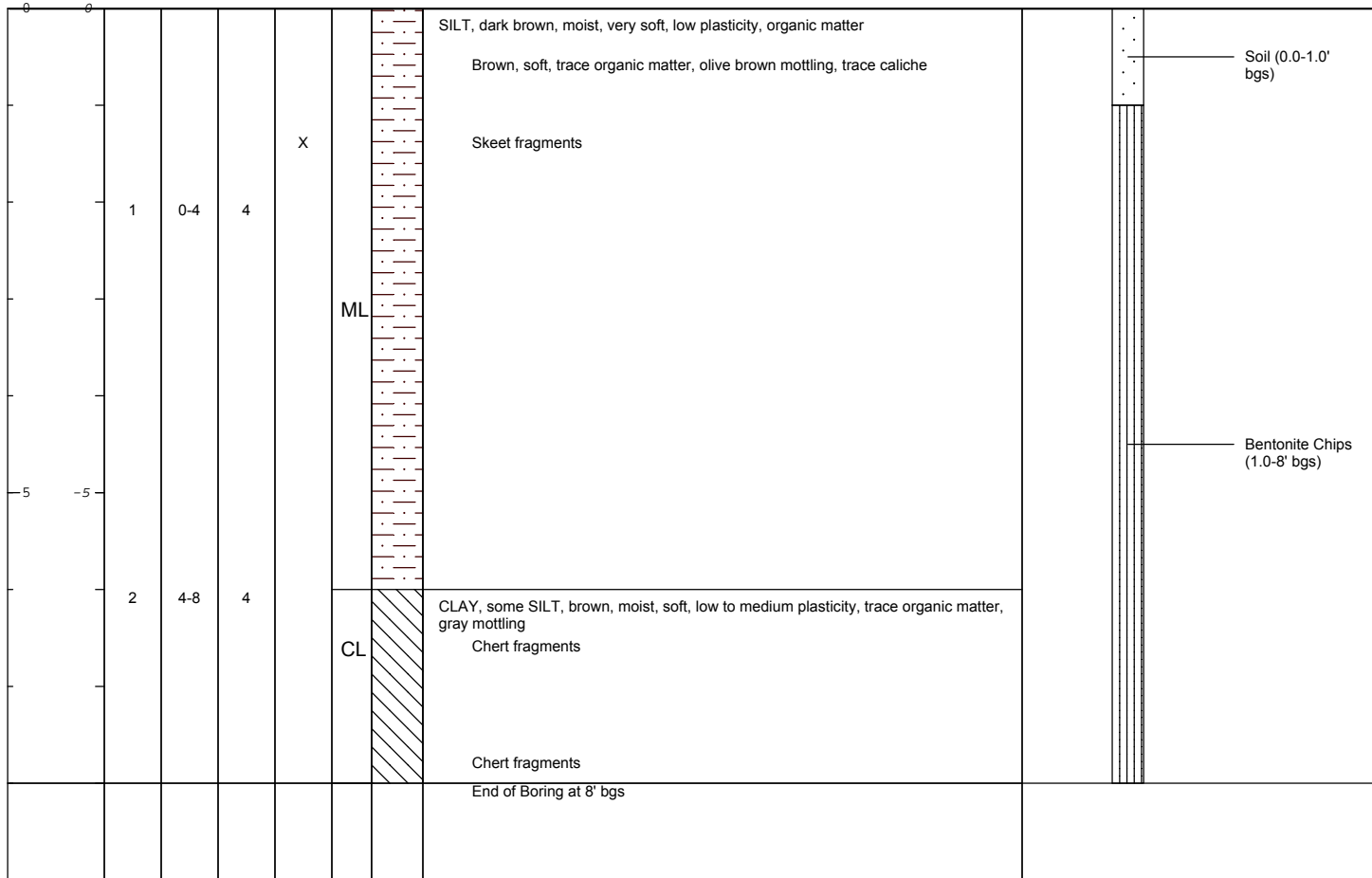
Date Start/Finish: 7/22/16-7/22/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 134-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low to medium plasticity, organic matter Trace CLAY, brown, soft, low plasticity, trace organic matter, olive brown mottling Chert fragments	Soil (0.0-1.0' bgs) Bentonite Chips (1.0-8' bgs)
-5	-5	1	0-4	4		ML			
		2	4-8	4		CL		CLAY, some SILT, gray with brown, moist, soft to medium stiff, low plasticity, olive brown mottling, caliche lense, gypsum, red SILT lense	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac


Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone

Elevations referenced to NAVD 88

Date Start/Finish: 7/22/16-7/22/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 134-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low to medium plasticity, organic matter	
		1	0-4	3.5		ML		Trace CLAY, brown, soft, low plasticity, trace organic matter, olive brown mottling	Soil (0.0-1.0' bgs)
								Chert fragments	
-5	-5								
		2	4-8	4		CL		CLAY, some SILT, gray with brown, moist, soft to medium stiff, low plasticity, olive brown mottling, caliche lense, gypsum, red SILT lense	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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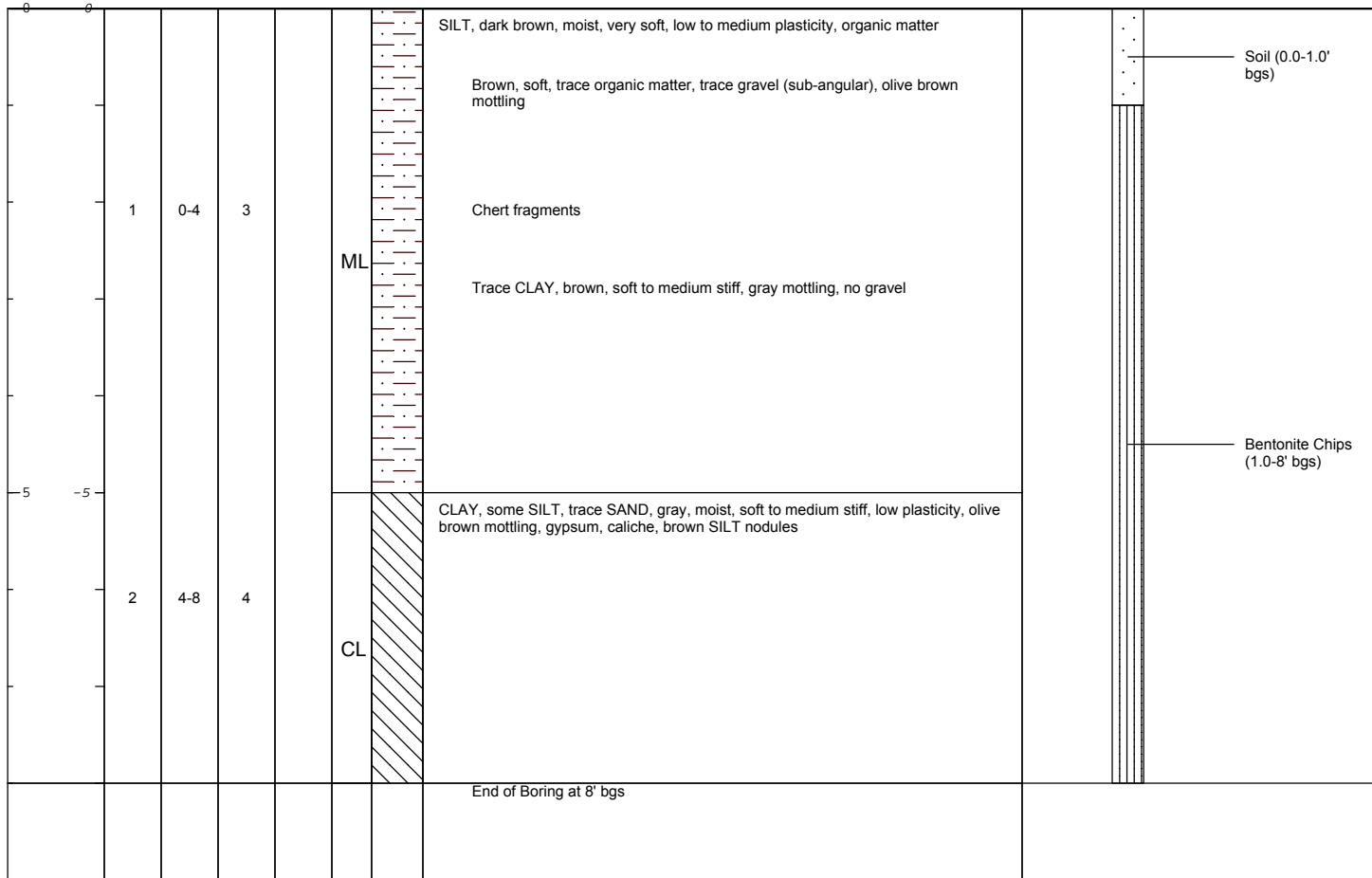
Date Start/Finish: 7/22/16-7/22/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 134-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, low plasticity, very soft, organic matter	
								Brown, soft, trace organic matter, olive brown mottling, minor gray mottling, chert fragments	
								Skeet fragments	
		1	0-4	4	X				Soil (0.0-1.0' bgs)
						ML			
-5	-5								
		2	4-8	4					Bentonite Chips (1.0-8' bgs)
						CL			
								CLAY, some SILT, gray, medium stiff, low plasticity, olive brown mottling, red SILT lense, gypsum, trace caliche	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac


Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone

Elevations referenced to NAVD 88

Date Start/Finish: 7/22/16-7/22/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 5 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 134-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, very soft, low plasticity, organic matter Brown, soft, low plasticity, trace organic matter Skeet fragments Skeet fragments	 Soil (0.0-1.0' bgs) Bentonite Chips (1.0-5' bgs)
		1	0-4	4	X X	ML		Chert fragments Chert	
5	5							End of Boring at 5' bgs (Refusal - CHERT)	
		2	4-8	1					

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/22/16-7/22/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 140-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, soft, low plasticity, organic matter, trace caliche	
		1	0-4	4		ML		Moist Chert fragments Little CLAY Olive brown mottling	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		CL		CLAY, some SILT, gray, soft to medium stiff, moist, low plasticity, olive brown mottling, red SILT lense, gypsum	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/22/16-7/22/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 140-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, low plasticity, soft, organic matter	
		1	0-4	4	X	ML		Chert fragments Skeet fragments	Soil (0.0-1.0' bgs)
								Gray mottling Little CLAY, olive brown mottling	
								Gypsum Red SILT lense, CLAY content increase with depth	
-5	-5	2	4-8	4		CL		CLAY, some SILT, gray, moist, soft to medium stiff, low plasticity, olive brown mottling, red SILT lense, gypsum	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/22/16-7/22/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 140-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, brown, dry to moist, nonplastic to low plastic, soft, organic matter	
		1	0-5	5		CL		CLAY, some SILT, light brown with gray, moist, soft, low to medium plasticity, trace organic matter, olive brown mottling Gray Gypsum	Soil (0.0-1.0' bgs)
-5	-5					SW		SAND, brown, very fine, well graded, dry, very soft, nonplastic	
		2	5-8	3		CL		CLAY, some SILT, light brown with gray, moist, soft, low to medium plasticity, trace organic matter, olive brown mottling	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/22/16-7/22/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 140-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, soft, low plasticity, organic matter, trace caliche	
		1	0-4	4		ML		Moist Chert fragments Little CLAY, red/brown SILT nodules, gray mottling Olive brown mottling	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		CL		CLAY, some SILT, gray, soft to medium stiff, moist, low plasticity, olive brown mottling, red SILT lense, gypsum	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/22/16-7/22/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 140-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, brown, dry to moist, low plasticity, soft, organic matter	
					X			Skeet fragments	
		1	0-5	5		ML		Skeet fragments	Soil (0.0-1.0' bgs)
-5	-5								
		2	5-8	3		CL		CLAY, some SILT, gray, moist, low to medium plasticity, soft, olive brown mottling, gypsum, red SILT lense	Bentonite Chips (1.0-8' bgs)
								Red SILT nodules	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/22/16-7/22/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 7 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 140-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	USCS Code	PID (ppm)	Recovery (feet)	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0						ML	SILT, brown, dry to moist, nonplastic to low plastic, soft, organic matter	
		1	0-5	5			CL	CLAY, some SILT, light brown with gray, moist, soft, low to medium plasticity, trace organic matter, olive brown mottling Gray Gypsum	
-5	-5						SW	SAND, brown, very fine, well graded, dry, very soft, nonplastic	
		2	5-8	2			CL	CLAY, some SILT, light brown with gray, moist, soft, low to medium plasticity, trace organic matter, olive brown mottling	
								End of Boring at 7' bgs (Refusal)	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/22/16-7/22/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 140-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, brown, dry to moist, soft, low plasticity, organic matter, trace caliche Skeet fragments	
		1	0-4	4		ML		Moist Chert fragments Little CLAY, red/brown SILT nodules, gray mottling Olive brown mottling	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		CL		CLAY, some SILT, gray, soft to medium stiff, moist, low plasticity, olive brown mottling, red SILT lense, gypsum	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/22/16-7/22/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 140-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, low plasticity, soft, organic matter	
		1	0-5	5	X	ML		Skeet fragments	
								Caliche	Soil (0.0-1.0' bgs)
-5	-5							CLAY, some SILT, gray, moist, low to medium plasticity, soft, olive brown mottling, gypsum, red SILT lense	
		2	5-8	3		CL		Red SILT nodules	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/22/16-7/22/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 7 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 140-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	USCS Code	PID (ppm)	Recovery (feet)	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0						ML	SILT, brown, dry to moist, nonplastic to low plastic, soft, organic matter	
		1	0-5	5			CL	CLAY, some SILT, light brown with gray, moist, soft, low to medium plasticity, trace organic matter, olive brown mottling Gray Gypsum	
-5	-5						SW	SAND, brown, very fine, well graded, dry, very soft, nonplastic	
		2	5-8	2			CL	CLAY, some SILT, light brown with gray, moist, soft, low to medium plasticity, trace organic matter, olive brown mottling	Soil (0.0-1.0' bgs)
								End of Boring at 7' bgs (Refusal)	Bentonite Chips (1.0-7' bgs)

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/25/16-7/25/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 143-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0								
		1	0-5	5	x	ML		SILT, dark brown, moist, soft, low plasticity, organic matter Skeet fragments	
						SW		SAND, brown, very fine, well graded, nonplastic, very soft, trace organic matter	Soil (0.0-1.0' bgs)
								SILT, some CLAY, brown, moist, medium stiff, low to medium plasticity, trace organic matter, light brown mottling, trace caliche	
						ML		Gray, gypsum, olive brown mottling, minor dark gray mottling	
-5	-5								
		2	5-8	3		CL		CLAY, some SILT, gray medium stiff, to stiff, low to medium plasticity, moist, olive brown mottling, minor dark gray mottling	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/25/16-7/25/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 143-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, soft, low plasticity, organic matter	
		1	0-5	5		ML			Soil (0.0-1.0' bgs)
-5	-5							CLAY, some SILT, olive brown, moist, medium stiff, to stiff, tan mottling, gypsum, minor gray mottling	
		2	5-8	3		CL		Gray, olive brown mottling, minor dark gray mottling	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/25/16-7/25/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 143-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X	ML SW		SILT, dark brown, moist, low to medium plasticity, soft, organic matter, trace gravel (sub-angular), skeet fragments (0.2') SAND, brown, moist, very fine, well graded, nonplastic, very soft Skeet fragments	Soil (0.0-1.0' bgs)
		1	0-5	5	X	ML		SILT, some CLAY, little SAND, brown, medium stiff, low to medium plasticity, trace organic matter, trace gravel (sub-angular), minor olive brown mottling Medium stiff to stiff, no gravel Gray, gypsum CLAY content increase with depth	Bentonite Chips (1.0-8' bgs)
-5	-5					CL		CLAY, some SILT, gray, moist, medium stiff, to stiff, low plasticity, olive brown mottling, gypsum, minor dark gray mottling	
		2	5-8	3					
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/25/16-7/25/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 143-B3 Client: USACE Location: Laredo, TX
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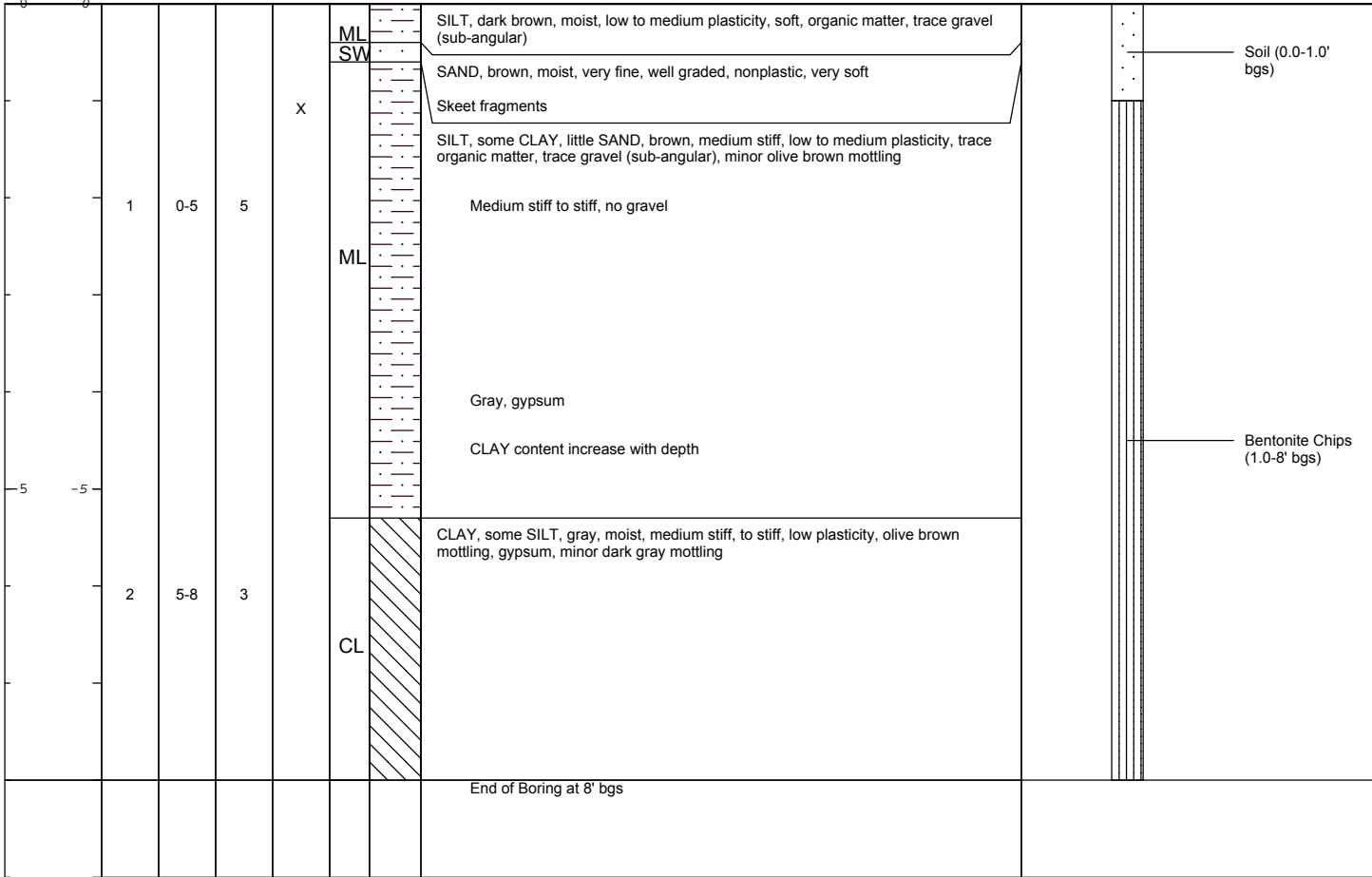
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, soft, low plasticity, organic matter	
		1	0-5	5		ML			Soil (0.0-1.0' bgs)
-5	-5							CLAY, some SILT, olive brown, moist, medium stiff, to stiff, tan mottling, gypsum, minor gray mottling	
		2	5-8	3		CL		Gray, olive brown mottling, minor dark gray mottling	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/25/16-7/25/16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 143-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac


Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone

Elevations referenced to NAVD 88

Date Start/Finish: 7/25/16-7/25/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 143-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, soft, low plasticity, organic matter	
		1	0-5	5		ML			Soil (0.0-1.0' bgs)
-5	-5							CLAY, some SILT, olive brown, moist, medium stiff, to stiff, tan mottling, gypsum, minor gray mottling	
		2	5-8	3		CL		Gray, olive brown mottling, minor dark gray mottling	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/24/16-7/24/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 150-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, red/brown, dry to moist, soft, nonplastic to low plastic, organic matter, trace gravel (sub-angular), SILT nodules Brown, moist, low plasticity, trace organic matter	
		1	0-5	5		ML			Soil (0.0-1.0' bgs)
-5	-5							Trace CLAY, tan, olive brown mottling	
		2	5-8	3		CL		CLAY, some SILT, trace SAND, moist, soft to medium stiff, low plasticity, trace caliche, dark gray mottling	Bentonite Chips (1.0-8' bgs)
						SW		SAND, little CLAY, little SILT, olive brown, very fine, well graded, moist to wet, very soft, nonplastic to low plastic, light brown SILT lense, trace gypsum	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/24/16-7/24/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 150-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, nonplastic to low plastic, soft, organic matter, trace gravel (sub-angular) Brown, soft to medium stiff, trace organic matter	
		1	0-5	5		ML		Moist Some CLAY, some SAND, tan, chert fragments, minor gray mottling	Soil (0.0-1.0' bgs)
-5	-5								
		2	5-8	3		SW		SAND, some SILT, little CLAY, moist, olive brown, low plasticity, soft, chert fragments Moist to wet	
						CL		SILT, little SAND, trace CLAY, moist, olive brown, medium stiff, low plasticity, gray mottling	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/24/16-7/24/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 150-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, dry to moist, low plasticity, soft to medium stiff, organic matter, trace gravel (sub-angular)	
		1	0-5	5		ML		Brown, soft, no gravel, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5							Little CLAY, tan, chert fragments, minor olive brown mottling	
								Some SAND, trace caliche	Bentonite Chips (1.0-8' bgs)
		2	5-8	3					
								Medium stiff, gray mottling, light brown lense	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac
	Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88

Date Start/Finish: 7/24/16-7/24/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 150-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, red/brown, dry to moist, soft, nonplastic to low plastic, organic matter, trace gravel (sub-angular), SILT nodules Brown, moist, low plasticity, trace organic matter	Soil (0.0-1.0' bgs)
		1	0-5	5		ML		Trace CLAY, tan, olive brown mottling	
-5	-5	2	5-8	3		CL		CLAY, some SILT, trace SAND, moist, soft to medium stiff, low plasticity, trace caliche, dark gray mottling Increase in SILT content, some SAND	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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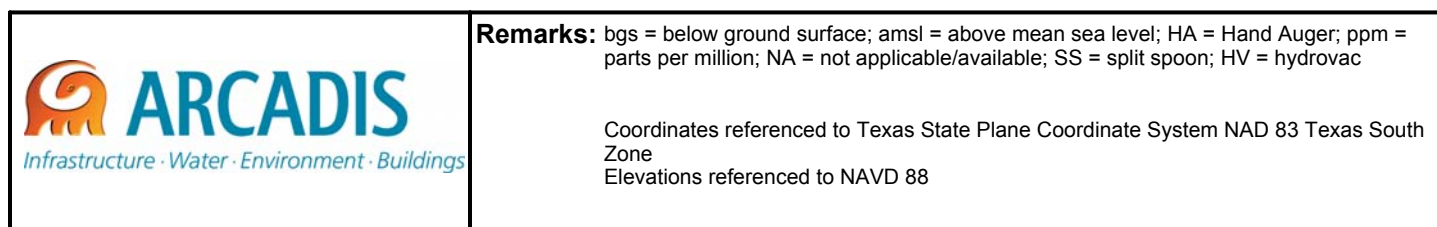
Date Start/Finish: 7/24/16-7/24/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 150-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, red/brown, dry to moist, nonplastic to low plastic, soft, organic matter, trace gravel (sub-angular) Brown, moist, trace organic matter	
		1	0-5	5		ML		Little CLAY, olive brown mottling, trace caliche	
-5	-5							Little SAND, tan	
		2	5-8	3		CL		SAND, little CLAY, little SILT, olive brown, moist, low plasticity, soft	
								Minor gray mottling	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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Date Start/Finish: 7/24/16-7/24/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 150-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, red/brown, dry to moist, soft, nonplastic to low plastic, organic matter, trace gravel (sub-angular), SILT nodules Brown, moist, low plasticity, trace organic matter	Soil (0.0-1.0' bgs)
		1	0-5	5		ML		Trace CLAY, tan, olive brown mottling	
-5	-5	2	5-8	3		CL		CLAY, some SILT, some SAND, moist, soft to medium stiff, low plasticity, trace caliche, dark gray mottling Moist to wet Increase in SILT content, some SAND	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/24/16-7/24/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 150-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, red/brown, dry to moist, nonplastic to low plastic, soft, organic matter, trace gravel (sub-angular) Brown, moist, trace organic matter	Soil (0.0-1.0' bgs)
		1	0-5	5		ML		Little CLAY, olive brown mottling, trace caliche Little SAND, tan	Bentonite Chips (1.0-8' bgs)
-5	-5	2	5-8	3		SW		SAND, little CLAY, little SILT, olive brown, moist to wet, low plasticity, soft	
						ML		SILT, some SAND, olive brown, moist, low plasticity, soft, minor gray mottling	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/24/16-7/24/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 150-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, dry to moist, low plasticity, soft to medium stiff, organic matter, trace gravel (sub-angular) Brown, soft, no gravel, trace organic matter	 Soil (0.0-1.0' bgs) Bentonite Chips (1.0-8' bgs)
		1	0-5	5		ML		Little CLAY, tan, chert fragments, minor olive brown mottling Some SAND, trace caliche	
-5	-5							Moist to wet, gypsum, soft Medium stiff, gray mottling, light brown lense	
		2	5-8	3				End of Boring at 8' bgs	

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 156-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, nonplastic to low plastic, very soft, organic matter	
		1	0-4	4		ML		Trace gravel (sub-angular) Trace CLAY, trace organic matter Little SAND, dark brown, no gravel	Soil (0.0-1.0' bgs)
-5	-5								
		2	4-8	4		MF		Brown, moist to wet, very soft, high plasticity, trace organic matter, minor gray mottling Chert fragments	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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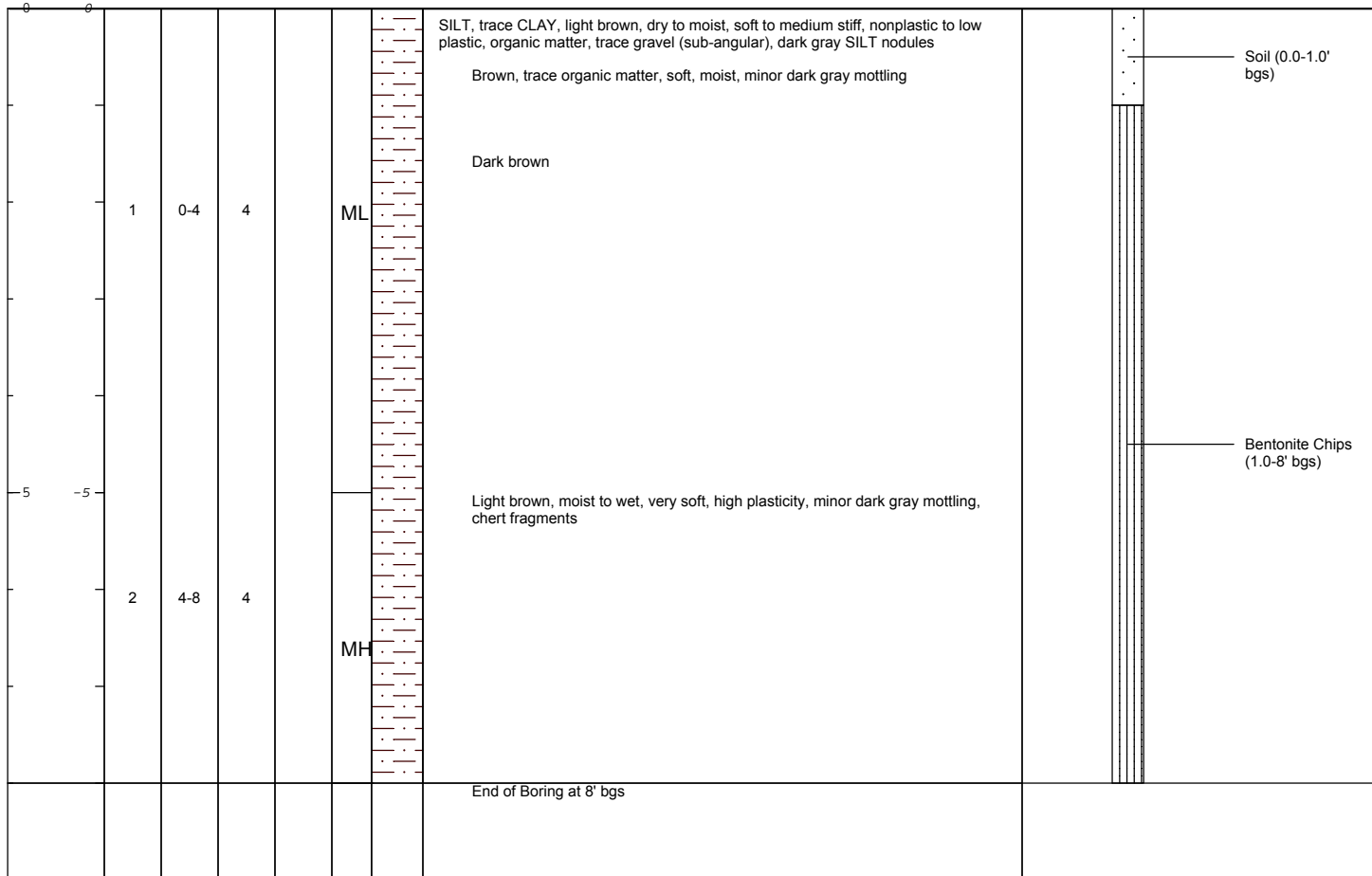
Date Start/Finish: 7/27/16-7/27/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 156-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace SAND, light brown, dry to moist, very soft, nonplastic to low plastic, organic matter	
		1	0-4	4	X	ML		Skeet fragments Brown, moist, low plasticity, trace organic matter, soft to medium stiff Trace CLAY, dark brown, soft	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		MH		Chert fragments, brown, moist to wet, very soft, high plasticity, minor gray mottling Little CLAY, moist, light brown, medium to high plasticity, soft, gray mottling, minor dark gray mottling	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 156-A3 Client: USACE Location: Laredo, TX
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 156-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, nonplastic to low plastic, very soft, organic matter	
		1	0-4	4		ML		Trace gravel (sub-angular) Trace CLAY, trace organic matter Little SAND, dark brown, no gravel	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		MF		Brown, moist to wet, very soft, high plasticity, trace organic matter, minor gray mottling Chert fragments	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 156-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace SAND, light brown, dry to moist, very soft, nonplastic to low plastic, organic matter	
		1	0-4	4		ML		Brown, moist, low plasticity, trace organic matter, soft to medium stiff	
								Trace CLAY, dark brown, soft	
-5	-5								
		2	4-8	4		MH		Chert fragments, brown, moist to wet, very soft, high plasticity, minor gray mottling	
								Little CLAY, moist, light brown, medium to high plasticity, soft, gray mottling, minor dark gray mottling	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 156-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, nonplastic to low plastic, very soft, organic matter	
		1	0-4	4		ML		Trace gravel (sub-angular) Trace CLAY, trace organic matter Little SAND, dark brown, no gravel	Soil (0.0-1.0' bgs)
-5	-5								
		2	4-8	4		MF		Brown, moist to wet, very soft, high plasticity, trace organic matter, minor gray mottling Chert fragments	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 156-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace SAND, light brown, dry to moist, very soft, nonplastic to low plastic, organic matter	
		1	0-4	4		ML		Brown, moist, low plasticity, trace organic matter, soft to medium stiff	
								Trace CLAY, dark brown, soft	
-5	-5							Chert fragments, brown, moist to wet, very soft, high plasticity, minor gray mottling	
		2	4-8	4		MH			
								Little CLAY, moist, light brown, medium to high plasticity, soft, gray mottling, minor dark gray mottling	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 156-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, light brown, dry to moist, soft to medium stiff, nonplastic to low plastic, organic matter, trace gravel (sub-angular), dark gray SILT nodules	
								Brown, trace organic matter, soft, moist, minor dark gray mottling	
		1	0-4	4		ML		Dark brown	Soil (0.0-1.0' bgs)
-5	-5							Light brown, moist to wet, very soft, high plasticity, minor dark gray mottling, chert fragments	Bentonite Chips (1.0-8' bgs)
		2	4-8	4		MH			
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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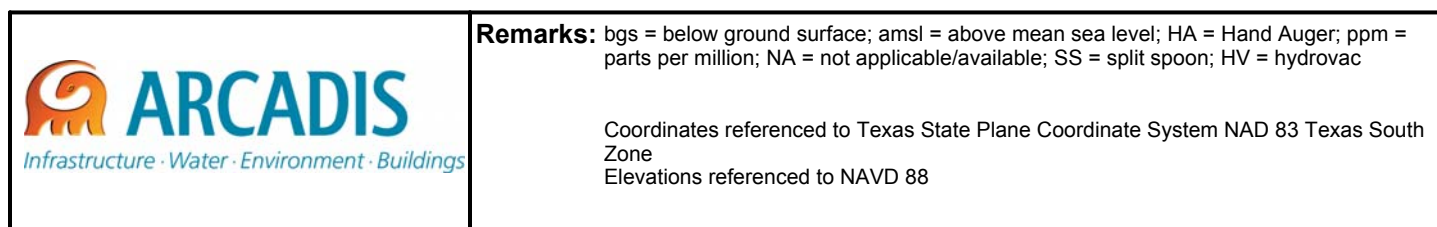
Date Start/Finish: 7/27/16-7/27/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 176-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, soft, low plasticity, organic matter, trace gravel (sub-angular)	
		1	0-4	4	X			Trace skeet fragments	
								Light brown, trace caliche, trace organic matter, minor dark gray mottling	
						ML		Very soft (4'-4.5')	
								Some CLAY, soft to meium stiff, minor gray mottling, no organic matter	
-5	-5	2	4-8	4					
						CL		CLAY, some SILT, gray, moist, medium stiff, low plasticity, dark gray mottling, olive brown mottling, gypsum	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 176-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, very soft, low plasticity, trace organic matter Trace CLAY, soft to medium stiff	
		1	0-4	4		ML		Trace caliche Minor dark gray mottling, gray mottling, gypsum, trace gravel (sub-angular) Some CLAY, light brown CLAY content increase with depth	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		SW		SAND, some CLAY, some SILT, light brown, moist to wet, very fine, well graded, soft, low plasticity, minor gray mottling, trace gravel (sub-angular), gypsum	
						CL		CLAY, trace SILT, gray, moist, soft to medium stiff, low plasticity, olive brown mottling, minor dark gray mottling	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 176-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, low plasticity, very soft, organic matter, SILT nodules, trace gravel (sub-angular)	
		1	0-4	4				Trace CLAY, soft to medium stiff, trace organic matter, minor dark gray mottling	
								Little CLAY	
						ML		Some CLAY, light brown, soft to medium stiff, low to medium plasticity, minor dark gray mottling, minor gray mottling	
-5	-5	2	4-8	4				Some SAND, very fine, well graded, moist to wet	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 176-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, soft, low plasticity, organic matter, trace gravel (sub-angular)	
		1	0-4	4				Light brown, trace caliche, trace organic matter, minor dark gray mottling	Soil (0.0-1.0' bgs)
						ML		Very soft (4'-4.5'), trace gravel (sub-angular)	
								Some CLAY, soft to meium stiff, minor gray mottling, no organic matter	Bentonite Chips (1.0-8' bgs)
-5	-5	2	4-8	4					
								End of Boring at 8' bgs	

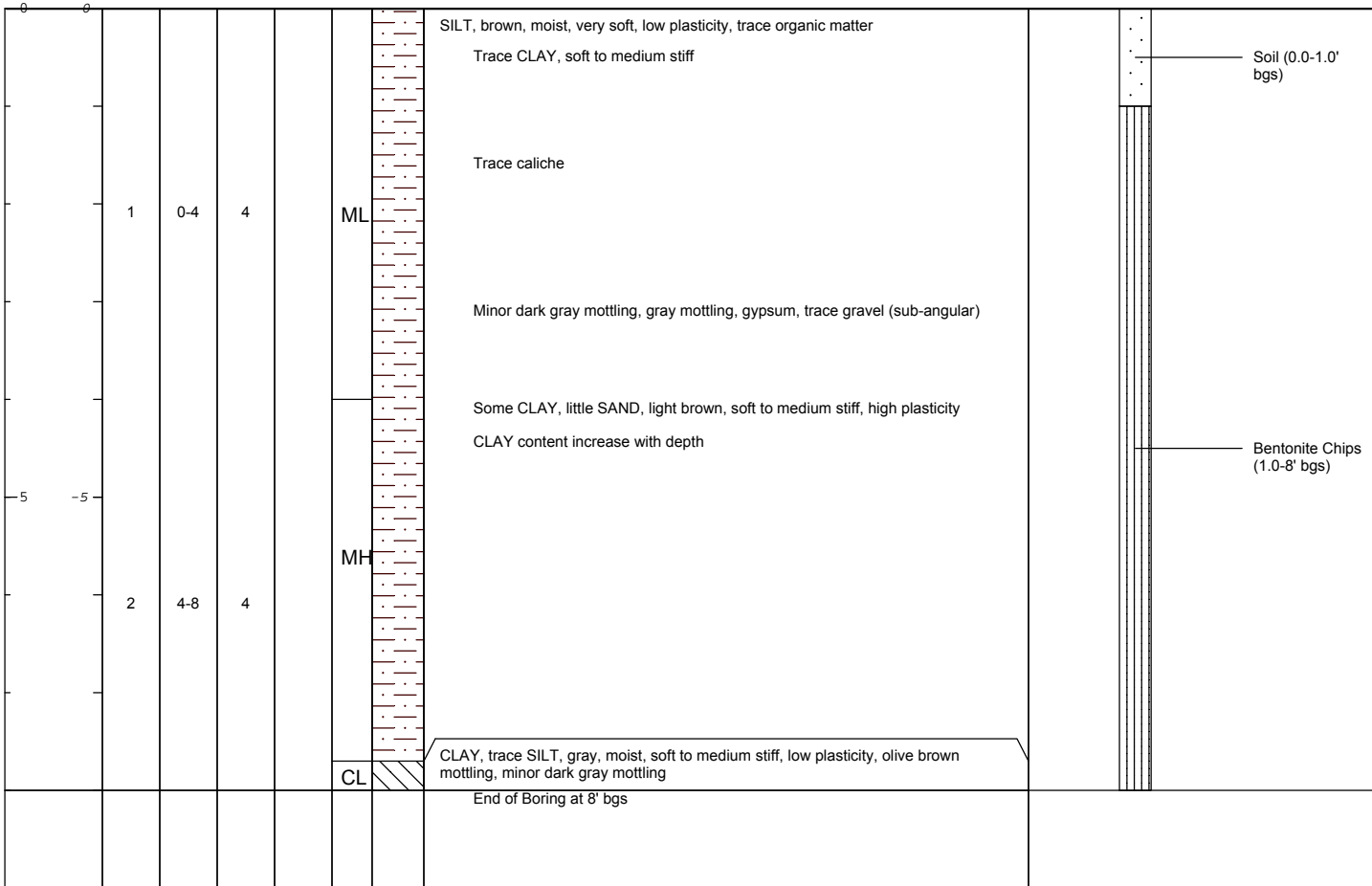
	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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	<p>Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac</p> <p>Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88</p>
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Date Start/Finish: 7/27/16-7/27/16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 176-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac

Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone

Elevations referenced to NAVD 88

Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 183-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, very soft, low plasticity, organic matter (abundant root fragments) Little SAND, trace CLAY, soft to medium stiff, trace organic matter (decrease in root fragments), dark brown SILT lense, orange/brown mottling	Soil (0.0-1.0' bgs)
		1	0-4	4		ML			
-5	-5							SAND, some SILT, trace CLAY, tan, moist, very fine, well graded, soft, low plasticity, olive brown SILT lense, minor gray mottling	Bentonite Chips (1.0-8' bgs)
		2	4-8	4		SW			
								CLAY, little SAND, little SILT, brown with gray, moist, medium stiff, olive brown mottling, minor red mottling, gypsum	
						CL			
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 6 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 183-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, soft, low plasticity, organic matter Some SAND, brown, trace organic matter	
		1	0-4	4		ML		Root fragments	Soil (0.0-1.0' bgs)
-5	-5					SW		SAND, some SILT, tan, moist, very fine, well graded, soft, low plasticity, olive brown SILT lense, trace organic matter	Bentonite Chips (1.0-6' bgs)
		2	4-8	1				End of Boring at 6' bgs (Refusal - SAND)	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 183-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, organic matter Some SAND, brown, trace organic matter, olive brown mottling Trace skeet fragments	Soil (0.0-1.0' bgs)
		1	0-4	4	X	ML			
-5	-5							SAND, some SILT, tan, very fine, well graded, moist, low plasticity, soft, olive brown SILT lense	Bentonite Chips (1.0-8' bgs)
		2	4-8	4		SW			
								CLAY, little SILT, trace SAND, gray, moist, medium stiff to stiff, olive brown mottling, chert fragments, gypsum	
						CL			
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 183-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, very soft, low plasticity, organic matter (abundant root fragments) Little SAND, trace CLAY, soft to medium stiff, trace organic matter (decrease in root fragments), dark brown SILT lense, orange/brown mottling Soft	Soil (0.0-1.0' bgs)
		1	0-4	4		ML			
-5	-5							SAND, some SILT, trace CLAY, tan, moist, very fine, well graded, soft, low plasticity, olive brown SILT lense, minor gray mottling	Bentonite Chips (1.0-8' bgs)
		2	4-8	4		SW			
								CLAY, little SAND, little SILT, brown with gray, moist, medium stiff, olive brown mottling, minor red mottling, gypsum Gypsum End of Boring at 8' bgs	
						CL			

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 183-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, soft, low plasticity, organic matter	
		1	0-4	4		ML		Some SAND, brown, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5								
		2	4-8	4		SW		SAND, some SILT, tan, very fine, well graded, moist, soft, low plasticity, trace organic matter, olive brown SILT lense, trace caliche	Bentonite Chips (1.0-8' bgs)
								Little CLAY	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 183-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, organic matter Some SAND, brown, trace organic matter, olive brown mottling	
		1	0-4	4		ML			Soil (0.0-1.0' bgs)
-5	-5								
		2	4-8	4		SW		SAND, some SILT, tan, very fine, well graded, moist, low plasticity, soft, olive brown SILT lense	Bentonite Chips (1.0-8' bgs)
						CL		CLAY, little SILT, trace SAND, gray, moist, medium stiff to stiff, olive brown mottling, chert fragments, gypsum	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 183-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, very soft, low plasticity, organic matter (abundant root fragments)	
		1	0-4	4		ML		Little SAND, trace CLAY, soft to medium stiff, trace organic matter (decrease in root fragments), dark brown SILT lense, orange/brown mottling	Soil (0.0-1.0' bgs)
								Soft	
-5	-5					SW		SAND, some SILT, trace CLAY, tan, moist, very fine, well graded, soft, low plasticity, olive brown SILT lense, minor gray mottling	Bentonite Chips (1.0-8' bgs)
		2	4-8	4		CL		CLAY, little SAND, little SILT, brown with gray, moist, medium stiff, olive brown mottling, minor red mottling, gypsum	
								Gypsum	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 183-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, dark brown, moist, soft, low plasticity, organic matter	
		1	0-4	4		ML		Some SAND, brown, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5								
		2	4-8	4		SW		SAND, some SILT, tan, very fine, well graded, moist, soft, low plasticity, trace organic matter, olive brown SILT lense, trace caliche	Bentonite Chips (1.0-8' bgs)
								Little CLAY	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/21/16-7/21/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 183-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, organic matter Some SAND, brown, trace organic matter, olive brown mottling	
		1	0-4	4		ML			Soil (0.0-1.0' bgs)
-5	-5								
		2	4-8	4		SW		SAND, some SILT, tan, very fine, well graded, moist, low plasticity, soft, olive brown SILT lense	Bentonite Chips (1.0-8' bgs)
						CL		CLAY, little SILT, trace SAND, gray, moist, medium stiff to stiff, olive brown mottling, chert fragments, gypsum	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/19/16-7/19/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 190-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, soft, low plasticity, organic matter, trace gravel (sub-angular to angular), chert fragments	
		1	0-4	4				Little CLAY, brown with gray, low to medium plasticity, trace organic matter, light brown SILT nodules, trace caliche	
						ML		Trace SAND, light brown, trace gray CLAY, trace red SILT, gypsum	
-5	-5							Some CLAY, trace SAND, gray, soft to medium stiff, light brown SILT lense	
		2	4-8	4					
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/19/16-7/19/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 190-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, dark brown, moist, soft, nonplastic to low plastic, organic matter	
		1	0-4	4		CL		CLAY, some SILT, brown, moist, medium stiff, low plasticity, gypsum, light brown SILT lense, organic matter One BB Little SILT, gray with brown, low to medium plasticity, trace organic matter, red SILT lense	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		ML		SILT, some CLAY, little SAND, olive brown, moist, low plasticity, soft, gypsum, trace caliche, trace organic matter Red SILT lense	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/19/16-7/19/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 190-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, organic matter, gravel (sub-angular to angular) Brown, trace organic matter, brown/orange SILT lense	Soil (0.0-1.0' bgs)
		1	0-4	4				Some SAND, little CLAY, brown with gray, trace gypsum, trace organic matter, no gravel Trace CLAY, olive brown with trace gray, very soft to soft, orange/brown SILT lense	
-5	-5					ML		Red SILT band	Bentonite Chips (1.0-8' bgs)
		2	4-8	4					
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/19/16-7/19/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 190-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, nonplastic to low plastic, soft, organic matter, gypsum, chert fragments	
		1	0-4	4				Little CLAY, light brown, low plasticity, trace organic matter, trace gravel (sub-angular to angular), trace caliche	Soil (0.0-1.0' bgs)
						ML		Some SAND, brown, trace gray CLAY, trace gypsum	
-5	-5	2	4-8	4				Some CLAY, little SAND, gray with brown, soft to medium stiff, brown SILT lense, gypsum	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/19/16-7/19/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 190-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, dark brown, moist, soft, nonplastic to low plastic, organic matter	
		1	0-4	4		CL		CLAY, some SILT, brown, moist, medium stiff, low plasticity, gypsum, light brown SILT lense, organic matter One BB Little SILT, gray with brown, low to medium plasticity, trace organic matter, red SILT lense	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		ML		SILT, some CLAY, little SAND, olive brown, moist, low plasticity, soft, gypsum, trace caliche, trace organic matter Gray	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/19/16-7/19/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 190-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low plasticity, organic matter, skeet fragments (0.6'), gravel (sub-angular)	
		1	0-4	4	X X			Little CLAY, brown, trace organic matter, trace caliche, Trace Skeet fragments (1.0')	Soil (0.0-1.0' bgs)
						ML		Some SAND, little CLAY, olive brown with gray, very soft to soft, trace organic matter, gypsum, brown/orange mottling	
-5	-5							Red SILT band	Bentonite Chips (1.0-8' bgs)
		2	4-8	4					
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/19/16-7/19/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 190-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, dark brown, moist, soft, nonplastic to low plastic, organic matter	
		1	0-4	4		CL		CLAY, some SILT, brown, moist, medium stiff, low plasticity, gypsum, light brown SILT lense, organic matter One BB Little SILT, gray with brown, low to medium plasticity, trace organic matter, red SILT lense	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		ML		SILT, some CLAY, little SAND, olive brown, moist, low plasticity, soft, gypsum, trace caliche, trace organic matter Gray	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 7/19/16-7/19/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 190-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, nonplastic to low plasticity, organic matter, skeet fragments (0.7), gravel (sub-angular to angular) Some SAND, little CLAY, low plasticity, trace organic matter	Soil (0.0-1.0' bgs)
		1	0-4	4			X	Some CLAY, little SAND, light brown with gray, soft to medium stiff, low to medium plasticity, brown/orange mottling, trace organic matter Some SAND, little CLAY, olive brown with gray, very soft to soft, low plasticity, brown/orange mottling, trace gypsum	
							ML	Red SILT band	Bentonite Chips (1.0-8' bgs)
-5	-5	2	4-8	4				End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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SOIL BORING LOGS – NOVEMBER 2016

Date Start/Finish: 11/2/16-11/2/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 100-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, dark brown, moist, very soft to soft, low plasticity, organic matter Trace CLAY	
		1	0-4	4		CL		CLAY, some SILT, light brown, moist, low plasticity, medium stiff, trace organic matter, trace fine caliche Dark gray mottling	
						ML		SILT, some CLAY, light gray, moist, soft, low plasticity, trace fine caliche, olive brown SILT lense, trace gypsum	
-5	-5	2	4-8	4		CL		CLAY, little SILT, gray, moist, medium stiff to stiff, low plasticity, dark gray mottling, olive brown SILT lense, red SILT band Tan mottling Dark gray mottling decreases with depth Fine caliche	Soil (0.0-1.0' bgs)
								End of Boring at 8' bgs	Bentonite Chips (1.0-8' bgs)

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/2/16-11/2/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 100-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low to medium plasticity, organic matter Some CLAY, brown, medium stiff, low plasticity, minor dark gray mottling Light brown with gray, very soft, olive brown mottling, trace organic matter	Soil (0.0-1.0' bgs)
		1	0-4	4		ML			
-5	-5	2	4-8	4		CL		CLAY, little SILT, gray with light brown, moist, medium stiff to stiff, low plasticity, olive brown mottling, trace dark gray mottling, trace gypsum Minor red mottling	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/2/16-11/2/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 100-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, medium plasticity, organic matter, light brown SILT lense Brown, trace organic matter	
		1	0-4	4				Trace CLAY, trace fine caliche	
								Little CLAY, gray with brown, very soft, fine caliche, olive brown mottling, trace gypsum	
						ML		Light brown, dark brown SILT lense CLAY content increases with depth	
-5	-5	2	4-8	4					
						CL		CLAY, olive brown, moist, medium stiff to stiff, low plasticity, trace dark gray mottling, trace fine caliche, gypsum	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/2/16-11/2/16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 100-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, dark brown, moist, very soft to soft, low plasticity, organic matter Trace CLAY, chert fragments	
		1	0-4	4		CL		CLAY, some SILT, light brown, moist, low plasticity, medium stiff, trace organic matter, trace fine caliche Dark gray mottling	
						ML		SILT, some CLAY, light gray, moist, soft, low plasticity, trace fine caliche, olive brown SILT lense, trace gypsum	
-5	-5	2	4-8	4		CL		CLAY, little SILT, gray, moist, medium stiff to stiff, low plasticity, dark gray mottling, olive brown SILT lense, red SILT band Tan mottling Dark gray mottling decreases with depth Fine caliche End of Boring at 8' bgs	 Soil (0.0-1.0' bgs) Bentonite Chips (1.0-8' bgs)

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/2/16-11/2/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 100-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, low to medium plasticity, organic matter Some CLAY, brown, medium stiff, low plasticity, minor dark gray mottling	
		1	0-4	4		ML		Light brown with gray, very soft, olive brown mottling, trace organic matter	
-5	-5	2	4-8	4		CL		CLAY, little SILT, gray with light brown, moist, medium stiff to stiff, low plasticity, olive brown, mottling, trace dark gray mottling, trace gypsum	
								Minor red mottling	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/2/16-11/2/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 100-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, medium plasticity, organic matter, light brown SILT lense Brown, trace organic matter	
		1	0-4	4				Trace CLAY, trace fine caliche	
								Little CLAY, gray with brown, very soft, fine caliche, olive brown mottling, trace gypsum	
						ML		Light brown, dark brown SILT lense CLAY content increases with depth	
-5	-5	2	4-8	1					
						CL		CLAY, olive brown, moist, medium stiff to stiff, low plasticity, trace dark gray mottling, trace fine caliche, gypsum	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/2/16-11/2/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 100-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, dark brown, moist, very soft to soft, low plasticity, organic matter Trace CLAY, chert fragments	Soil (0.0-1.0' bgs)
		1	0-4	4		CL		CLAY, some SILT, light brown, moist, low plasticity, medium stiff, trace organic matter, trace fine caliche Dark gray mottling	
						ML		SILT, some CLAY, light gray, moist, soft, low plasticity, trace fine caliche, olive brown SILT lense, trace gypsum	
-5	-5	2	4-8	4		CL		CLAY, little SILT, gray, moist, medium stiff to stiff, low plasticity, dark gray mottling, olive brown SILT lense, red SILT band Tan mottling Dark gray mottling decreases with depth	
								Fine caliche End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/2/16-11/2/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 100-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, dark brown, moist, soft, low to medium plasticity, organic matter, trace skeet fragments (0.3') Some CLAY, brown, medium stiff, low plasticity, minor dark gray mottling Light brown with gray, very soft, olive brown mottling, trace organic matter	Soil (0.0-1.0' bgs)
		1	0-4	4		ML			
-5	-5	2	4-8	4		CL		CLAY, little SILT, gray with light brown, moist, medium stiff to stiff, low plasticity, olive brown, mottling, trace dark gray mottling, trace gypsum Olive brown mottling decreases with depth Minor red mottling	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/2/16-11/2/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 100-C3 Client: USACE Location: Laredo, TX
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



DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, dark brown, moist, soft, medium plasticity, organic matter, light brown SILT lense Brown, trace organic matter	
		1	0-4	4		ML		Trace CLAY, trace fine caliche Little CLAY, gray with brown, very soft, fine caliche, olive brown mottling, trace gypsum Light brown, dark brown SILT lense	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		SM		SAND, very fine, some SILT, olive brown, very soft, moist, low plasticity, trace light brown SILT, trace fine caliche	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 103-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X	ML		SILT, trace CLAY, brown, moist, soft to medium stiff, low plasticity, trace fine caliche, trace oranic matter (surface skeet fragements) Trace very fine SAND	 Soil (0.0-1.0' bgs)
		1	0-4	4		SM		SAND, very fine, little SILT, trace CLAY, gray, moist, brown SILT lense, very soft, low plasticity Olive brown SILT WET (6'-6.4')	 Bentonite Chips (1.0-8' bgs)
-5	-5	2	4-8	4		CL		CLAY, some very fine SAND, gray, moist, olive brown mottling, medium stiff, low to medium plasticity, dark gray mottling, trace fine caliche	
								End of Boring at 8' bgs	

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 103-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, little CLAY, brown, moist, soft to medium stiff, low plasticity, trace organic matter, (surface skeet fragments)	
		1	0-4	4		ML			
						SM		SAND, very fine, some SILT, trace CLAY, light brown, moist, very soft to soft, low plasticity, trace fine caliche	
-5	-5	2	4-8	4		ML		SILT, some SAND, light gray with brown, moist, very soft, medium plasticity, olive brown mottling	
						CL		CLAY, little SILT, gray, moist, medium stiff, low plasticity, olive brown mottling, gypsum, trace dark gray mottling	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 103-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, trace CLAY, brown, moist, low plasticity, soft, trace organic matter, trace fine caliche (surface skeet fragments)	
		1	0-4	4		ML			
						SM		SAND, very fine, some SILT, trace CLAY, gray, very soft, moist, low plasticity, olive brown SILT lense	
-5	-5	2	4-8	4		ML		SILT, some SAND, little CLAY, gray, moist, soft, low plasticity, olive brown mottling, trace gypsum, trace dark gray mottling	
						CL		CLAY, some SILT, gray, moist, medium stiff, low plasticity, olive brown SILT lense, olive yellow SILT lense	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 103-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, trace CLAY, brown, moist, trace organic matter, soft to medium stiff, low plasticity, trace fine caliche	
		1	0-4	4		ML		Little very fine SAND	
-5	-5							SAND, little CLAY, trace SILT, gray, moist, very soft, low plasticity, olive brown SILT lense, trace fine caliche, trace gypsum	
		2	4-8	4		SM		CLAY content increases with depth	
								Olive yellow SILT lense	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 103-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, little CLAY, brown, moist, soft to medium stiff, low plasticity, trace organic matter, (surface skeet fragments)	
		1	0-4	4		ML			
						SM		SAND, very fine, some SILT, trace CLAY, light brown, moist, very soft to soft, low plasticity, trace fine caliche	
-5	-5					ML		SILT, some SAND, light gray with brown, moist, very soft, medium plasticity, olive brown mottling	
		2	4-8	4				Red SILT lense, gypsum	
						CL		CLAY, little SILT, gray, moist, medium stiff, low plasticity, olive brown mottling, gypsum, trace dark gray mottling	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 103-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, trace CLAY, brown, moist, low plasticity, soft, trace organic matter, trace fine caliche (surface skeet fragments)	
		1	0-4	4		ML			
-5	-5					SM		SAND, very fine, some SILT, trace CLAY, gray, very soft, moist, low plasticity, olive brown SILT lense	
		2	4-8	4		ML		SILT, some SAND, little CLAY, gray, moist, soft, low plasticity, olive brown mottling, trace gypsum, trace dark gray mottling	
						CL		CLAY, some SILT, gray, moist, medium stiff, low plasticity, olive brown SILT lense, olive yellow SILT lense	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 103-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, trace CLAY, brown, moist, trace organic matter, soft to medium stiff, low plasticity, trace fine caliche	
		1	0-4	4		ML		Little very fine SAND	
-5	-5							SAND, little CLAY, trace SILT, gray, moist, very soft, low plasticity, olive brown SILT lense, trace fine caliche, trace gypsum	
		2	4-8	4		SM		CLAY content increases with depth	
								Olive yellow SILT lense	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 103-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, little CLAY, brown, moist, soft to medium stiff, low plasticity, trace organic matter, (surface skeet fragments)	
		1	0-4	4		ML			
						SM		SAND, very fine, some SILT, trace CLAY, light brown, moist, very soft to soft, low plasticity, trace fine caliche	
-5	-5	2	4-8	4		ML		SILT, some SAND, light gray with brown, moist, very soft, medium plasticity, olive brown mottling	
						CL		CLAY, little SILT, gray, moist, medium stiff, low plasticity, olive brown mottling, gypsum, trace dark gray mottling	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 103-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			SILT, trace CLAY, brown, moist, low plasticity, soft, trace organic matter, trace fine caliche (surface skeet fragments)	
		1	0-4	4		ML			
						SM		SAND, very fine, some SILT, trace CLAY, gray, very soft, moist, low plasticity, olive brown SILT lense	
-5	-5	2	4-8	4		ML		SILT, some SAND, little CLAY, gray, moist, soft, low plasticity, olive brown mottling, trace gypsum, trace dark gray mottling	
						CL		CLAY, some SILT, gray, moist, medium stiff, low plasticity, olive brown SILT lense, olive yellow SILT lense	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/3/16-11/3/16 Drilling Company: ETTL Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 132-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, very soft, low plasticity, organic matter Hand Auger (0'-2' bgs)	
		1	0-4	4	X			Skeet fragments, trace fine caliche	
						ML		Medium stiff, chert fragments	
-5	-5							Some CLAY, olive brown mottling, gray CLAY lense, trace dark gray mottling	
		2	4-8	4				Gray with light brown, little very fine SAND, trace gypsum, soft to medium stiff	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/3/16-11/3/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 132-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, very soft, low plasticity, organic matter Hand Auger (0'-2' bgs)	
		1	0-4	4		ML		Chert fragments, soft to medium stiff Trace fine caliche	
								Increase in CLAY content	
-5	-5	2	4-8	4				Some CLAY, gray, soft to medium stiff, moist, low plasticity, olive brown mottling, trace fine caliche, trace dark gray mottling	
								Soft	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/3/16-11/3/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 132-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, very soft, low plasticity, organic matter Hand Auger (0'-2' bgs)	
		1	0-4	4		ML		Trace fine caliche	
-5	-5	2	4-8	1		CL		CLAY, some SILT, brown, moist, soft, medium to high plasticity, trace organic matter, trace gray mottling, trace fine caliche Gray, very soft, trace red SILT, gypsum	Soil (0.0-1.0' bgs) Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/3/16-11/3/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 132-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, very soft, low plasticity, organic matter Hand Auger (0'-2' bgs)	
		1	0-4	4					
						ML		Medium stiff, chert fragments	
-5	-5							Some CLAY, olive brown mottling, gray CLAY lense, trace dark gray mottling	
		2	4-8	4				Gray with light brown, little very fine SAND, trace gypsum, chert fragments, soft to medium stiff	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/3/16-11/3/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 132-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, very soft, low plasticity, organic matter Hand Auger (0'-2' bgs)	
		1	0-4	4		ML		Chert fragments, soft to medium stiff Bivalve shell fragments Trace fine caliche	
								Increase in CLAY content	
-5	-5	2	4-8	4				Some CLAY, gray, soft to medium stiff, moist, low plasticity, olive brown mottling, trace fine caliche, trace dark gray mottling	
								Soft	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/3/16-11/3/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 132-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, very soft, low plasticity, organic matter Hand Auger (0'-2' bgs)	
		1	0-4	4		ML		Trace fine caliche	
-5	-5	2	4-8	4		CL		CLAY, some SILT, brown, moist, soft, medium to high plasticity, trace organic matter, trace gray mottling, trace fine caliche Trace fine caliche Gray, very soft, trace red SILT, gypsum	Soil (0.0-1.0' bgs) Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/3/16-11/3/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 132-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, very soft, low plasticity, organic matter Hand Auger (0'-2' bgs)	
		1	0-4	4					
						ML		Medium stiff, chert fragments	
-5	-5							Some CLAY, olive brown mottling, gray CLAY lense, trace dark gray mottling	
		2	4-8	4				Medium stiff to stiff (6'-7'), fine caliche Gray with light brown, little very fine SAND, trace gypsum, chert fragments, soft to medium stiff Very soft to soft	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/3/16-11/3/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 132-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, very soft, low plasticity, organic matter Hand Auger (0'-2' bgs)	
		1	0-4	4		ML		Chert fragments, soft to medium stiff Bivalve shell fragments Trace fine caliche	
								Increase in CLAY content	
-5	-5	2	4-8	4				Some CLAY, gray, soft to medium stiff, moist, low plasticity, olive brown mottling, trace fine caliche, trace dark gray mottling	
								Soft	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/3/16-11/3/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 132-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, very soft, low plasticity, organic matter Hand Auger (0'-2' bgs)	
		1	0-4	4		ML		Trace fine caliche	
-5	-5	2	4-8	4		CL		CLAY, some SILT, brown, moist, soft, medium to high plasticity, trace organic matter, trace gray mottling, trace fine caliche Trace fine caliche Gray, very soft, trace red SILT, gypsum	Soil (0.0-1.0' bgs) Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/2/16-11/2/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 133-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry, very soft, low plasticity, organic matter, trace gravel Hand Auger (0'-1.5' bgs)	
		1	0-4	4		ML		Trace fine caliche Some CLAY, medium stiff	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		SM		SAND, very fine, some CLAY, little SILT, gray, moist, very soft, low plasticity, olive brown SILT lense, trace fine caliche, trace gypsum Light yellow SILT lense, red/brown SILT nodules Dark gray SILT lense	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/2/16-11/2/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 133-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry, very soft, low plasticity, trace gravel, organic matter, Hand Auger (0'-1.5' bgs)	
		1	0-4	4		ML		Trace fine caliche, yellow brown SILT lense	
-5	-5								
		2	4-8	4		SM		SAND, very fine, some CLAY, little SILT, gray, moist, very soft, low plasticity, olive brown SILT lense, trace dark gray mottling, gypsum SAND content increases with depth	Soil (0.0-1.0' bgs)
									Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/2/16-11/2/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 133-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, very soft, low plasticity, organic matter, trace gravel	
		1	0-4	4		ML		Trace fine caliche Olive brown SILT lense	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		SM		SAND, very fine, some CLAY, little SILT, gray, moist, very soft, low plasticity, olive brown SILT lense, yellow brown SILT nodules Trace dark gray SILT, trace light yellow SILT	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/2/16-11/2/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 133-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry, very soft, low plasticity, organic matter, trace gravel Hand Auger (0'-1.5' bgs)	
		1	0-4	4		ML		Trace fine caliche Some CLAY, medium stiff	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		SM		SAND, very fine, some CLAY, little SILT, gray, moist, very soft, low plasticity, olive brown SILT lense, trace fine caliche, trace gypsum Light yellow SILT lense, red/brown SILT nodules Dark gray SILT lense	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/2/16-11/2/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 133-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry, very soft, low plasticity, trace gravel, organic matter, Hand Auger (0'-1.5' bgs) Trace fine caliche, yellow brown SILT lense	Soil (0.0-1.0' bgs)
		1	0-4	4		ML			
-5	-5	2	4-8	4		SM		SAND, very fine, some CLAY, little SILT, gray, moist, very soft, low plasticity, olive brown SILT lense, trace dark gray mottling, gypsum SAND content increases with depth Dark brown SILT nodules	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/2/16-11/2/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 133-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, very soft, low plasticity, organic matter, trace gravel	
		1	0-4	4		ML		Trace fine caliche Olive brown SILT lense	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		SM		SAND, very fine, some CLAY, little SILT, gray, moist, very soft, low plasticity, olive brown SILT lense, yellow brown SILT nodules Trace dark gray SILT, trace light yellow SILT	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/2/16-11/2/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 133-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry, very soft, low plasticity, organic matter, trace gravel Hand Auger (0'-1.5' bgs)	
		1	0-4	4		ML		Trace fine caliche	
								Some CLAY, medium stiff	
-5	-5								
		2	4-8	4		SM		SAND, very fine, some CLAY, little SILT, gray, moist, very soft, low plasticity, olive brown SILT lense, trace fine caliche, trace gypsum	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/2/16-11/2/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 133-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry, very soft, low plasticity, trace gravel, organic matter, Hand Auger (0'-1.5' bgs)	
		1	0-4	4		ML		Trace fine caliche, yellow brown SILT lense	
-5	-5								
		2	4-8	4		SM		SAND, very fine, some CLAY, little SILT, gray, moist, very soft, low plasticity, olive brown SILT lense, trace dark gray mottling, gypsum SAND content increases with depth	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/2/16-11/2/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: Hand Auger/GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 133-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, moist, very soft, low plasticity, organic matter, trace gravel	
		1	0-4	4		ML		Trace fine caliche Olive brown SILT lense	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		SM		SAND, very fine, some CLAY, little SILT, gray, moist, very soft, low plasticity, olive brown SILT lense, yellow brown SILT nodules Trace dark gray SILT, trace light yellow SILT	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/3/16-11/3/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 12 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: DU046-VD Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							See DU046 Logs for detailed descriptions (0'-1.5' bgs - Hand Auger)	
		1	0-5	5		ML			
-5	-5							See DU046 Logs for detailed descriptions	
		2	5-10	5		CL			
-10	-10							CLAY, little SILT, gray, moist, soft to medium stiff, low plasticity, olive brown mottling, trace fine caliche, minor dark gray mottling Orange/brown lense	Soil (0.0-1.0' bgs) Bentonite Chips (1.0-12' bgs)
		3	10-15	2				End of Boring at 12' bgs (refusal at 12' bgs - possible stiff CLAY layer)	
-15	-15								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/3/16-11/3/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 15 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: DU074-VD Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0				X			Surface skeet fragments observed See DU074 logs for detailed descriptions (0'-1.5' bgs - Hand Auger)	
		1	0-5	5		ML			
-5	-5								
		2	5-10	5				See DU074 logs for detailed descriptions	
-10	-10					CL		CLAY, little SILT, gray, moist, medium stiff, low plasticity, olive brown mottling, minor dark gray mottling	
		3	10-15	5				Brown Skeet fragments	
-15	-15								

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 172-A1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, medium stiff, low to medium plasticity, organic matter, trace gravel Chert fragments Some CLAY, light brown, moist, soft to medium stiff, trace organic matter, fine caliche, olive brown mottling Very soft, medium plasticity, trace gypsum	Soil (0.0-1.0' bgs)
		1	0-4	4		ML			
-5	-5							CLAY, some SILT, olive brown with gray, moist, low plasticity, medium stiff, gray mottling, trace gypsum, minor red mottling Trace SILT, gray, olive brown mottling, medium stiff, brown SILT nodules, low to medium plasticity, trace gypsum	Bentonite Chips (1.0-8' bgs)
		2	4-8	4		CL			
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 172-A2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, light brown, moist, low plasticity, soft, organic matter	
		1	0-4	4		ML		Red SILT lense, trace fine caliche	
								Little CLAY, little SAND, olive brown, very soft to soft, trace caliche, trace gypsum	
						CL		CLAY, little SILT, trace SAND, gray, moist, soft to medium stiff, low to medium plasticity, olive brown mottling	
-5	-5								
		2	4-8	4		SM		SAND, very fine, some CLAY, trace SILT, brown, moist to wet, very soft, low plasticity, gypsum, trace calcite	
						CL		CLAY, trace SILT, olive brown, moist, medium stiff, low plasticity, gypsum, gray mottling, red SILT band	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 172-A3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0					ML		SILT, trace CLAY, brown, moist, soft to medium stiff, low plasticity, organic matter, trace caliche	
		1	0-4	4		CL		Chert fragments CLAY, some SILT, brown, moist, low plasticity, soft, trace gravel, fine caliche, trace organic matter	Soil (0.0-1.0' bgs)
-5	-5	2	4-8	4		SM		SAND, some CLAY, brown, moist, soft to very soft, low plasticity, gypsum, trace fine caliche	
						CL		CLAY, some SILT, trace SAND, olive brown, moist, low to medium plasticity, medium stiff, red SILT band, trace chert fragments	Bentonite Chips (1.0-8' bgs)
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 172-B1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, medium stiff, low to medium plasticity, organic matter, trace gravel Chert fragments Some CLAY, light brown, moist, soft to medium stiff, trace organic matter, fine caliche, olive brown mottling Very soft, medium plasticity, trace gypsum	Soil (0.0-1.0' bgs)
		1	0-4	4		ML			
-5	-5							CLAY, some SILT, olive brown with gray, moist, low plasticity, medium stiff, gray mottling, trace gypsum, minor red mottling Trace SILT, gray, medium stiff, brown SILT nodules, olive brown mottling, minor red mottling, low to medium plasticity, trace gypsum,	Bentonite Chips (1.0-8' bgs)
		2	4-8	4		CL			
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 172-B2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace gravel, brown, dry, low plasticity, very soft, organic matter, chert fragments	
		1	0-4	4		ML		Red SILT lense, trace fine caliche	
								Little CLAY, little SAND, olive brown, very soft to soft, trace caliche, trace gypsum	
						CL		CLAY, little SILT, trace SAND, gray, moist, soft to medium stiff, low to medium plasticity, olive brown mottling	
-5	-5	2	4-8	4		SM		SAND, very fine, some CLAY, trace SILT, brown, moist to wet, very soft, low plasticity, gypsum, trace calcite Moist to wet (6'-6.4')	
						CL		CLAY, trace SILT, olive brown, moist, medium stiff, low plasticity, gypsum, gray mottling, red SILT band	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 172-B3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, soft to medium stiff, low plasticity, organic matter, trace caliche	
		1	0-4	4		ML		Trace fine caliche, trace chert fragments	
-5	-5	2	4-8	4		SM		SAND, some CLAY, little SILT, olive brown, moist, very soft, low plasticity, fine caliche, trace gypsum	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: Ettl Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 172-C1 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, brown, dry to moist, medium stiff, low to medium plasticity, organic matter, trace gravel Chert fragments Some CLAY, light brown, moist, soft to medium stiff, trace organic matter, fine caliche, olive brown mottling Very soft, medium plasticity, trace gypsum	Soil (0.0-1.0' bgs)
1		1	0-4	4		ML			
5	-5							CLAY, some SILT, olive brown with gray, moist, low plasticity, medium stiff, gray mottling, trace gypsum, minor red mottling	Bentonite Chips (1.0-8' bgs)
2		2	4-8	4		CL			
								SILT, some CLAY, little SAND, vey fine, light brown, moist, very soft, low plasticity, gypsum, fine caliche	
						ML			
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 172-C2 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace gravel, brown, dry, low plasticity, very soft, organic matter, chert fragments	
		1	0-4	4		ML		Chert fragments	
								Little CLAY, little SAND, olive brown, very soft to soft, trace caliche, trace gypsum	
						CL		CLAY, little SILT, trace SAND, gray, moist, soft to medium stiff, low to medium plasticity, olive brown mottling	
-5	-5	2	4-8	4		SM		SAND, very fine, some CLAY, trace SILT, brown, moist to wet, very soft, low plasticity, gypsum, trace calcite Moist to wet (6'-6.4')	
						CL		CLAY, trace SILT, olive brown, moist, medium stiff, low plasticity, gypsum, gray mottling, red SILT band	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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Date Start/Finish: 11/1/16-11/1/16 Drilling Company: E TTL Driller's Name: Rich Herman Drilling Method: GeoProbe Sampling Method: Split Spoon Rig Type: GeoProbe	Northing: Easting: Casing Elevation: Borehole Depth: 8 Ft. bgs Surface Elevation: Descriptions By: Dylan Chappell	Well/Boring ID: 172-C3 Client: USACE Location: Laredo, TX
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Skeet Fragments	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
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0	0							SILT, trace CLAY, brown, moist, soft to medium stiff, low plasticity, organic matter, trace caliche	
		1	0-4	4		ML		Trace fine caliche, trace chert fragments	
-5	-5	2	4-8	4		SM		SAND, some CLAY, little SILT, olive brown, moist, very soft, low plasticity, fine caliche, trace gypsum	
								End of Boring at 8' bgs	

	Remarks: bgs = below ground surface; amsl = above mean sea level; HA = Hand Auger; ppm = parts per million; NA = not applicable/available; SS = split spoon; HV = hydrovac Coordinates referenced to Texas State Plane Coordinate System NAD 83 Texas South Zone Elevations referenced to NAVD 88
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