

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Giles/Daggett	Datum: NAVD88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 10/20/11-10/20/11	Drilling Method: Solid Stem	Core Barrel: N/A
Boring Location: 7+50 ft, 9.0 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample MD = Unsuccessful Split Spoon Sample attempt U = Thin Wall Tube Sample R = Rock Core Sample V = Insitu Vane Shear Test SSA = Solid Stem Auger	Definitions: S _u = Insitu Field Vane Shear Strength (psf) T _v = Pocket Torvane Shear Strength (psf) q _p = Unconfined Compressive Strength (ksf) S _u (lab) = Lab Vane Shear Strength (psf) WOH = weight of 140lb. hammer WOR = weight of rods. WOC = weight of casing	Definitions: WC = water content, percent LL = Liquid Limit PL = Plastic Limit PI = Plasticity Index G = Grain Size Analysis C = Consolidation Test
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Sample Information											Visual Description and Remarks	Laboratory Testing Results/AASHTO and Unified Class.
Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log				
0	S1		0.42 - 2.30			SSA	-0.42		5" PAVEMENT.		G#261854 A-1-b, SW-SM WC=5.2%	
									Brown, damp, fine to coarse SAND, some gravel, trace silt.			
	S2		2.30 - 4.50				-2.30		Olive, moist, silty, fine to medium SAND.		G#261855 A-4, SM WC=15.5%	
									Bottom of Exploration at 4.50 feet below ground surface. NO REFUSAL			
5							-4.50					
10												
15												
20												
25												

Remarks:
 Offsets are from Existing Roadway CL.

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Giles/Daggett	Datum: NAVD88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 10/20/11-10/20/11	Drilling Method: Solid Stem	Core Barrel: N/A
Boring Location: 20+00 ft, 9.0 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample MD = Unsuccessful Split Spoon Sample attempt U = Thin Wall Tube Sample R = Rock Core Sample V = Insitu Vane Shear Test SSA = Solid Stem Auger	Definitions: S _u = Insitu Field Vane Shear Strength (psf) T _v = Pocket Torvane Shear Strength (psf) q _p = Unconfined Compressive Strength (ksf) S _u (lab) = Lab Vane Shear Strength (psf) WOH = weight of 140lb. hammer WOR = weight of rods. WOC = weight of casing	Definitions: WC = water content, percent LL = Liquid Limit PL = Plastic Limit PI = Plasticity Index G = Grain Size Analysis C = Consolidation Test
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Sample Information										Visual Description and Remarks	Laboratory Testing Results/AASHTO and Unified Class.
Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows ((6 in.) Shear Strength (psf) or RQD (%))	N-value	Casing Blows	Elevation (ft.)	Graphic Log			
0						SSA	-0.58		7" PAVEMENT.	-0.58	
									Brown, damp, fine to coarse SAND, some gravel, trace silt. ≈S1	-2.30	
	S3		2.30 - 4.50				-2.30		Brown, moist, fine to coarse SAND, little gravel, trace silt.	-4.50	G#261856 A-1-b, SM WC=6.8%
5						↓	-4.50		Bottom of Exploration at 4.50 feet below ground surface. REFUSAL	-4.50	
10											
15											
20											
25											

Remarks:
 Offsets are from Existing Roadway CL.

Maine Department of Transportation Soil/Rock Exploration Log US CUSTOMARY UNITS	Project: Route 197	Boring No.: HB-RICH-103
	Location: Richmond, Maine	WIN: 19138.00

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Giles/Daggett	Datum: NAVD88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 10/20/11-10/20/11	Drilling Method: Solid Stem	Core Barrel: N/A
Boring Location: 40+00 ft, 9.0 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample MD = Unsuccessful Split Spoon Sample attempt U = Thin Wall Tube Sample R = Rock Core Sample V = Insitu Vane Shear Test SSA = Solid Stem Auger	Definitions: S_u = Insitu Field Vane Shear Strength (psf) T_v = Pocket Torvane Shear Strength (psf) q_p = Unconfined Compressive Strength (ksf) $S_u(\text{lab})$ = Lab Vane Shear Strength (psf) WOH = weight of 140lb. hammer WOR = weight of rods. WOC = weight of casing	Definitions: WC = water content, percent LL = Liquid Limit PL = Plastic Limit PI = Plasticity Index G = Grain Size Analysis C = Consolidation Test
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Sample Information										Visual Description and Remarks	Laboratory Testing Results/AASHTO and Unified Class.
Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log			
0						SSA	-0.38		4 1/2" PAVEMENT.		
	S4		1.20 - 4.50				-1.20		Brown, damp, fine to coarse SAND, some gravel, trace silt. \approx S1 Olive-brown, wet, clayey-SILT, trace fine sand.	G#261857 A-6, CL WC=22.3%	
5							-4.50		Bottom of Exploration at 4.50 feet below ground surface. NO REFUSAL		
10											
15											
20											
25											

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Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Giles/Daggett	Datum: NAVD88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 10/20/11-10/20/11	Drilling Method: Solid Stem	Core Barrel: N/A
Boring Location: 60+00 ft, 9.0 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample MD = Unsuccessful Split Spoon Sample attempt U = Thin Wall Tube Sample R = Rock Core Sample V = Insitu Vane Shear Test SSA = Solid Stem Auger	Definitions: S_u = Insitu Field Vane Shear Strength (psf) T_v = Pocket Torvane Shear Strength (psf) q_p = Unconfined Compressive Strength (ksf) $S_u(\text{lab})$ = Lab Vane Shear Strength (psf) WOH = weight of 140lb. hammer WOR = weight of rods. WOC = weight of casing	Definitions: WC = water content, percent LL = Liquid Limit PL = Plastic Limit PI = Plasticity Index G = Grain Size Analysis C = Consolidation Test
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Sample Information										Visual Description and Remarks	Laboratory Testing Results/AASHTO and Unified Class.
Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log			
0	S5		0.50 - 0.80			SSA	-0.50		6" PAVEMENT.	G#261858 A-1-b, SW WC=7.7% G#261859 A-6, CL WC=97.1%	
	S6		0.80 - 4.50				-0.80		Black, damp, fine to coarse SAND.		
									Olive, moist, clayey-SILT.		
5							-4.50		Bottom of Exploration at 4.50 feet below ground surface. NO REFUSAL		
10											
15											
20											
25											

Remarks:
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Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Giles/Daggett	Datum: NAVD88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 10/28/11-10/28/11	Drilling Method: Solid Stem	Core Barrel: N/A
Boring Location: 80+00 ft, 9.0 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample MD = Unsuccessful Split Spoon Sample attempt U = Thin Wall Tube Sample R = Rock Core Sample V = Insitu Vane Shear Test SSA = Solid Stem Auger	Definitions: S_u = Insitu Field Vane Shear Strength (psf) T_v = Pocket Torvane Shear Strength (psf) q_p = Unconfined Compressive Strength (ksf) $S_u(lab)$ = Lab Vane Shear Strength (psf) WOH = weight of 140lb. hammer WOR = weight of rods. WOC = weight of casing	Definitions: WC = water content, percent LL = Liquid Limit PL = Plastic Limit PI = Plasticity Index G = Grain Size Analysis C = Consolidation Test
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Sample Information										Visual Description and Remarks	Laboratory Testing Results/AASHTO and Unified Class.
Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows ((6 in.) Shear Strength (psf) or RQD (%))	N-value	Casing Blows	Elevation (ft.)	Graphic Log			
0						SSA	-0.67		8" PAVEMENT.	-0.67	
							-1.40		Brown, damp, fine to coarse SAND, some gravel, trace silt. $\approx S1$	-1.40	
									Olive, moist, clayey-SILT. $\approx S6$	-1.40	
5						↓	-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	-5.00	
10											
15											
20											
25											

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Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Giles/Daggett	Datum: NAVD88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 10/28/11-10/28/11	Drilling Method: Solid Stem	Core Barrel: N/A
Boring Location: 95+00 ft, 8.0 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample MD = Unsuccessful Split Spoon Sample attempt U = Thin Wall Tube Sample R = Rock Core Sample V = Insitu Vane Shear Test SSA = Solid Stem Auger	Definitions: S _u = Insitu Field Vane Shear Strength (psf) T _v = Pocket Torvane Shear Strength (psf) q _p = Unconfined Compressive Strength (ksf) S _u (lab) = Lab Vane Shear Strength (psf) WOH = weight of 140lb. hammer WOR = weight of rods. WOC = weight of casing	Definitions: WC = water content, percent LL = Liquid Limit PL = Plastic Limit PI = Plasticity Index G = Grain Size Analysis C = Consolidation Test
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Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows ((6 in.) Shear Strength (psf) or RQD (%))	N-value	Casing Blows	Elevation (ft.)	Graphic Log			
0	S7		0.58 - 1.20			SSA	-0.58		7" PAVEMENT.		
	S8		1.20 - 6.50				-1.20		Black, damp, fine to coarse SAND, some gravel, trace silt.		
									Olive, moist, clayey-SILT, little fine sand.		
5											
							-6.50		Bottom of Exploration at 6.50 feet below ground surface. NO REFUSAL		
10											
15											
20											
25											

Remarks:
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Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Giles/Daggett	Datum: NAVD88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 10/28/11-10/28/11	Drilling Method: Solid Stem	Core Barrel: N/A
Boring Location: 122+50 ft, 9.0 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

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0						SSA	-0.63	[Hatched Box]	7½" PAVEMENT.	-0.63	
							-1.10	[Hatched Box]	Black, damp, fine to coarse SAND, some gravel, trace silt. ≈S7	-1.10	
							-4.00	[Hatched Box]	Olive, moist, clayey-SILT, little fine sand. ≈S8	-4.00	
5						↓			Bottom of Exploration at 4.00 feet below ground surface. NO REFUSAL		
10											
15											
20											
25											

Remarks:
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Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Giles/Daggett	Datum: NAVD88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 10/28/11-10/28/11	Drilling Method: Solid Stem	Core Barrel: N/A
Boring Location: 145+00 ft, 9.0 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample MD = Unsuccessful Split Spoon Sample attempt U = Thin Wall Tube Sample R = Rock Core Sample V = Insitu Vane Shear Test SSA = Solid Stem Auger	Definitions: S _u = Insitu Field Vane Shear Strength (psf) T _v = Pocket Torvane Shear Strength (psf) q _p = Unconfined Compressive Strength (ksf) S _u (lab) = Lab Vane Shear Strength (psf) WOH = weight of 140lb. hammer WOR = weight of rods. WOC = weight of casing	Definitions: WC = water content, percent LL = Liquid Limit PL = Plastic Limit PI = Plasticity Index G = Grain Size Analysis C = Consolidation Test
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Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows ((6 in.) Shear Strength (psf) or RQD (%))	N-value	Casing Blows	Elevation (ft.)	Graphic Log				
0	S9		0.79 - 3.20			SSA	-0.79		9½" PAVEMENT.			
									Brown, damp, fine to coarse SAND, little gravel, trace silt.		-0.79	
	S10		3.20 - 4.00			↓	-3.20		Olive-grey, wet, clayey-SILT, little fine sand.		-3.20	
							-4.00		Bottom of Exploration at 4.00 feet below ground surface. NO REFUSAL		-4.00	
5												
10												
15												
20												
25												

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