

**State of Maine - Department of Transportation
Power Auger Probe Summary Sheet**

Town(s): Wallagrass

Project Number: 12772.00

Station (Feet)	Offset (Feet)	Weathered Rock (Feet)	Refusal (Feet)	No Refusal (Feet)	Water Depth (Ft.)	Comments / Date 7/14-18/2008
176+00.5	22.5 Lt.	3.1	4.5			
176+00	6.7 Lt.	3.0	4.7			
176+00	15.0 Rt.					too steep, overhead wires
175+99.3	23.4 Rt.	8.9	9.4			
175+92.8	43.7 Rt.	5.4	5.6			
176+08.1	59.2 Rt.	2.1	4.0			
176+49+6	21.4 Lt.	2.0	2.4			
176+50	11.0 Lt.					too steep
176+50	10.0 Rt.					Ledge Outcrop, too steep
176+50	25.0 Rt.					too steep, overhead wires
176+54.7	45.2 Rt.	10.3	10.5			
176+56.6	63.8 Rt.	5.0	6.4			
177+00	40.0 Lt.	12.4	12.8			
177+02.2	15.5 Lt.	7.6	9.8		9.0	
177+00.7	1.0 Lt.	3.4	4.4			
177+00	25.0 Rt.					too steep, overhead wires
176+98.5	46.4 Rt.	5.4	6.2			
176+97.6	70.0 Rt.	8.8	9.2			
177+00	9.0-17.0 Rt.					Ledge Outcrop
177+49.6	25.6 Lt.	9.0	9.5			
177+50	25.0 Lt.				10.0	
177+50.2	1.6 Lt.	7.1	7.7			
177+48.7	13.3 Rt.	7.2	7.5			
177+50	25.0 Rt.					too steep, overhead wires
177+43.7	72.8 Rt.	7.2	7.5			
178+00	50.0 Lt.				10.0	
178+00	25.0 Lt.	11.1	12.3			
178+01.8	0.59 Rt.	10.5	11.5			
177+95.8	19.4 Rt.	9.8	10.4			
177+94.4	51.7 Rt.	11.1	12.2			
177+90.7	74.9 Rt.	6.2	7.0			
178+50	25.0 Lt.		14.7			
178+50	3.0 Rt.	14.3	14.6			
178+50	25.0 Rt.	3.2	3.5			
178+50	40.0 Rt.	4.6	5.5			
178+36	54.4 Rt.	7.6	8.4			
179+00	40.0 Lt.	3.0	4.9			
179+00	18.0 Lt.	8.0	9.0			
179+00	CL	9.2	9.5			
179+00	20.0 Rt.	12.4	12.7			
179+00	40.0 Rt.	9.2	9.9			
179+00	53.0 Rt.	6.8	7.5			
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Station (Feet)	Offset (Feet)	Weathered Rock (Feet)	Refusal (Feet)	No Refusal (Feet)	Water Depth (Ft.)	Comments / Date 7/14-18/08
153+39	9.0 Lt.	6.0	6.8			
153+39	9.0 Rt.			10.0		
153+91	9.0 Lt.			10.0		
153+91	9.0 Rt.			10.0		
154+30	9.0 Lt.			10.0		
154+30	9.0 Rt.			10.0		
155+00	9.0 Lt.			10.0		
155+00	9.0 Rt.			10.0		
155+50	9.0 Rt.			10.0		
156+00	9.0 Lt.			10.0		
156+00	9.0 Rt.			10.0		
156+50	9.0 Lt.			10.0	6.0	
156+50	9.0 Rt.			10.0		Peat 3.0-4.0' bgs.
157+00	9.0 Lt.			10.0		
157+00	9.0 Rt.			10.0		Peat 3.0-4.0' bgs.
157+50	9.0 Lt.			10.0		
157+50	9.0 Rt.			10.0		Peat 3.0-4.0' bgs.
158+00	9.0 Lt.			10.0		
158+00	9.0 Rt.			10.0		
158+50	9.0 Lt.		9.1			
158+50	9.0 Rt.	6.0	7.0			
159+00	9.0 Lt.			10.0		
159+00	9.0 Rt.	8.3		10.0	8.0	
159+50	9.0 Lt.	5.7	6.2			
159+50	9.0 Rt.			10.0		
160+00	9.0 Lt.	8.0		10.0		
160+00	9.0 Rt.			10.0		
160+50	9.0 Lt.	7.2		10.0		
160+50	9.0 Rt.			10.0		
161+00	9.0 Lt.	9.0		10.0		
161+00	9.0 Rt.			10.0		
161+50	9.0 Lt.			10.0		Peat 2.0-3.0' bgs.
161+50	9.0 Rt.			10.0		Peat 2.0-3.0' bgs.
162+50	9.0 Rt.			5.0		
168+50	9.0 Rt.			8.0		
172+60	9.0 Rt.			5.0		
175+00	3.0 Rt.	3.0	4.9			
175+04.8	34.4 Rt.	8.8	10.0			
175+25.2	7.0 Rt.		3.1			
175+27.2	23.7 Rt.	3.8	4.1			
175+50.7	0.12 Rt.	3.3	3.5			
175+48.3	33.4 Rt.	5.2	5.9			
175+43.7	45.0 Rt.	6.0	7.4			
175+68	CL					ledge outcrop survey marker #153

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179+50	60.0 Lt.	3.9	4.1			
179+50	40.0 Lt.	5.0	5.6			
179+50	15.0 Lt.		11.1			
179+50	CL	7.2	8.5			
179+50	25.0 Rt.	8.4	9.4			
179+50	40.0 Rt.	4.1	4.9			
179+99.6	60.3 Lt.	2.0	2.7			
180+00	40.0 Lt.	3.5	6.0			
180+00	4.0 Lt.	7.0	8.4			
179+99.8	26.8 Rt.	10.0	11.1			
180+00	40.0 Rt.	7.9	9.1			
180+49.5	62.1 Lt.	2.8	3.4			
180+50	40.0 Lt.	2.2	2.7			
180+57.3	20.7 Lt.		5.9			
180+50.8	4.5 Rt.					too steep
180+50.8	19.7 Rt.	9.4	10.0			
180+99.7	60.4 Lt.		2.3			
181+03.4	37.8 Lt.	1.8	2.2			
181+00	20.0 Lt.	2.2	3.2			
181+00	CL					too steep, overhead wires
181+00	20.0 Rt.	8.9	9.4			
181+00.2	40.5 Rt.	5.4	6.1			
181+45.6	43.4 Lt.	2.0	2.6			
181+50	16.0 Lt.	1.4	1.7			
181+50.1	3.5 Rt.	2.4	2.8			
181+95.5	39.2 Lt.			5.5		
182+00.7	20.4 Lt.		7.0			
182+50	40.0 Lt.			5.5		
182+49.6	20.5 Lt.	5	5.8			
182+48.1	0.96 Lt.	4.5	5.2			
183+00	20.0 Lt.		4.1			
183+00	CL	3.9	4.1			
184+00	23.0 Rt.			6.0		
185+80	20.0 Lt.			4.0		
185+80	20.0 Rt.			8.0		
186+00	9.0 Lt.			10.0		
186+00	40.0 Lt.			4.0		
186+50	9.0 Lt.			10.0		
186+50	9.0 Rt.			10.0		
186+50	23.0 Rt.			7.0		
186+50	9.0 Rt.			10.0		
187+00	40.0 Lt.			10		
187+00	20.0 Lt.			4.0		
187+00	9.0 Lt.	5.8	7.4			
187+00	9.0 Rt.	7.6		10.0		
187+00	23.0 Rt.			7.0		

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Station (Feet)	Offset (Feet)	Weathered Rock (Feet)	Refusal (Feet)	No Refusal (Feet)	Water Depth (Ft.)	Comments / Date 7/14-18/2008
187+50	35.0 Lt.			6.2		
187+50	15.0 Lt.			4.0		cobbles on surface
187+50	9.0 Lt.	6.8	7.2			
187+50	9.0 Rt.	6.3	9.8			
187+50	23.0 Rt.			7.0		
188+00	30.0 Lt.	5.5	6.1			
188+00	9.0 Lt.	6.1	6.8			
188+00	9.0 Rt.	6.3	7.1			
188+50	30.0 Lt.			10.0		
188+50	25.0 Rt.	5.5	6.0			
189+00	14.0 Lt.			8.0		
189+00	12.0 Rt.	6.8	7.2			
190+10	11.0 Rt.			5.0		
190+50	25.0 Lt.			8.0		
191+00	40.0 Lt.			8.0		
191+00	20.0 Lt.			10.0		
191+00	10.0 Rt.			6.0		
191+48.7	70.1 Lt.			6.0		
191+48.8	60.2 Lt.		6.6			
191+50	25.0 Lt.					too steep, overhead wires
191+99.1	72.6 Lt.		3.0			
192+01.7	58.4 Lt.	3.3	3.7			
192+00	25.0 Lt.					too steep, overhead wires
192+00	20.0 Lt.					Ledge Outcrop
192+47.1	55.3 Lt.	4.0	5.8			
192+48.3	32.1 Lt.		3.0			
192+50	17.0 Lt.					Ledge Outcrop
192+50	10.0 Lt.			5.5		
193+00.7	32.3 Lt.		3.2			
193+00	20.0 Lt.					Ledge Outcrop
193+44.5	48.2 Lt.			5.0		
193+50	30.0 Lt.					too steep, overhead wires
193+50	10.0 Lt.			5.0		
193+94.9	30.2 Lt.	3.4	4.4			
194+02.3	52.6 Lt.	2.8	3.4			
194+00	10.0 Lt.			5.0		
194+55.8	25.6 Lt.		4.9			
194+50	15.0 Lt.					Ledge Outcrop
194+50	5.0 Lt.	6.5		7.0		
194+50	15.0 Rt.			5.0		1" Pavement
194+95	23.0 Lt.			7.0		
194+95	15.0 Rt.			5.8		6" Pavement
195+00	5.0 Lt.			6.0		
195+50	23.0 Lt.		1.4			
195+50	5.0 Lt.		3.1			
195+50	15.0 Rt.		5.8			

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/17/08-7/17/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 107+56, 9.0 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	S16		0.50 - 1.80			SSA	-0.50		PAVEMENT.		G#208726 A-4, SM WC=9.8% G#208727 A-2-4, SM WC=17.5%	
	S17		1.80 - 5.00				-1.80		Brown, damp, silty, well graded SAND, trace gravel.			
									Brown, wet, sandy SILT, trace gravel.			
5						↓	-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL			
10												
15												
20												
25												

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/17/08-7/17/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 115+01, 9.0 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	S18		0.40 - 1.00			SSA	-0.40		PAVEMENT.	G#208728 A-1-b, SW-SM WC=5.0% G#208729 A-2-4, SM WC=4.6%	
	S19		1.00 - 5.00				-1.00		Dark brown, damp, well graded SAND, trace silt, trace fine gravel.		
									Light brown, damp, fine silty SAND, trace coarse sand, trace gravel.		
5	S20		5.00 - 10.00				-5.00		Brown, moist, SILT, trace sand, bonding.	G#208730 A-4, ML WC=11.2%	
10							-10.00		Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL		
15											
20											
25											

Remarks:

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/21/08-7/21/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 116+00, 9.0 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	-0.50 -0.90		PAVEMENT. Dark brown, damp, well graded SAND, trace silt, trace fine gravel. ≈S18 Light brown, damp, fine silty SAND, trace coarse sand, trace gravel. ≈S19	-0.500 -0.900	
5						↓	-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	-5.000	
10											
15											
20											
25											

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/21/08-7/21/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 117+00, 9.0 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	-0.50		PAVEMENT. Light brown, damp, fine silty SAND, trace coarse sand, trace gravel. ≅S19		
5											
10							-10.00		Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL		
15											
20											
25											

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/21/08-7/21/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 118+00, 9.0 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	S21		0.60 - 4.80			SSA	-0.60		PAVEMENT.	G#208731 A-1-b, SM WC=4.7%	
									Brown, moist, well graded SAND, trace silt, little gravel.		
5	S22		4.80 - 6.40				-4.80		Brown, moist, fine sandy SILT, bonding.		
	S23		6.40 - 10.00				-6.40		Dark brown, wet, fine sandy SILT, bonding.		
10							-10.00		Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL		
15											
20											
25											

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/17/08-7/17/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 125+00, 9.0 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	-0.40		PAVEMENT.		G#208732 A-1-b, SM WC=8.8%	
							-0.60		Dark brown, damp, well graded SAND, trace silt, trace fine gravel. ≈S18			
	S35		2.00 - 5.00				-2.00		Brown, damp, silty, well graded SAND, trace gravel. ≈S16			
							-2.00		Dark brown, well graded SAND, little gravel, trace silt.			
5							-5.00	Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL				
10												
15												
20												
25												

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/21/08-7/21/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 127+50, 9.0 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	-0.70	[Pattern]	PAVEMENT.	0.700	
							-1.00	[Pattern]	Dark brown, damp, well graded SAND, trace silt, trace fine gravel. ≈S18	1.000	
							-3.00	[Pattern]	Light brown, damp, fine silty SAND, trace coarse sand, trace gravel. ≈S19	3.000	
							-5.00	[Pattern]	Brown, moist, SILT, trace sand, bonding. ≈S20	5.000	
5						↓			Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL		
10											
15											
20											
25											

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/21/08-7/21/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 131+00, 9.0 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	S24		0.60 - 1.60			SSA	-0.60		PAVEMENT.		
	S25		1.60 - 6.00				-1.60		Black, damp, well graded SAND, trace silt, trace fine gravel, <u>oily smell</u> .	G#208733 A-1-b, SP WC=6.3% G#208734 A-4, SM WC=9.1%	
									Brown, moist, silty SAND, trace gravel.		
5							-6.00		Similar to S25.		
	S26		6.00 - 8.00				-8.00		Bottom of Exploration at 8.00 feet below ground surface. NO REFUSAL		
10											
15											
20											
25											

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/21/08-7/21/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 137+50, 9.0 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 Information								Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/AASHTO and Unified Class.
	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								-0.40		PAVEMENT.		
								-0.60		Unbound Pavement, black, damp, well graded SAND, trace silt, trace fine gravel, <u>oily smell</u> . ≈S24		
										Brown, moist, silty SAND, trace gravel. ≈S25		
5								-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL		
10												
15												
20												
25												

Remarks:

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Mike/Nick	Datum: NAVD 88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/21/08-7/21/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 139+00, 28.5 Lt.	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	S43		0.40 - 5.50			SSA	-0.40		Lawn SOD. Brown, moist, silty fine to medium SAND, trace gravel, (Till).	G#208735 A-4, SM WC=11.6%	
5						↓	-5.50		Bottom of Exploration at 5.50 feet below ground surface. REFUSAL		
10											
15											
20											
25											

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Mike/Nick	Datum: NAVD 88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/21/08-7/21/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 140+00, 28.0 Lt.	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	-0.30		Lawn SOD. Light brown, damp, sandy SILT, trace fine gravel. ≈S8			
5												
10							-8.50		Bottom of Exploration at 8.50 feet below ground surface. REFUSAL			
15												
20												
25												

Remarks:

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/22/08-7/22/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 141+50, 9.0 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	-0.50		PAVEMENT.		
							-2.00		Unbound Pavement.		
									Light brown, damp, fine silty SAND, trace coarse sand, trace gravel. ≅S19		
5									Orange, moist, SILT, some sand, trace fine gravel, bonding.		
	S27		6.00 - 10.00				-6.00				
									Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL		
10							-10.00				
15											
20											
25											

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Mike/Nick	Datum: NAVD 88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/21/08-7/21/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 145+50, 35.0 Lt.	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 Information										Visual Description and Remarks	Laboratory Testing Results/AASHTO and Unified Class.
	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	-0.40		Grass and Roots. Light brown, wet, sandy SILT, trace fine gravel. ≈S8			
5									Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL			
10							-10.00		Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL			
15									Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL			
20									Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL			
25									Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL			

Remarks:

Maine Department of Transportation Soil/Rock Exploration Log US CUSTOMARY UNITS	Project: Route 11 CHIP	Boring No.: HB-WALL-114
	Location: Wallagrass, Maine	PIN: 12772.00

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Mike/Nick	Datum: NAVD 88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/21/08-7/21/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 146+00, 35.0 Lt.	Casing ID/OD: N/A	Water Level*: 2.0' bgs.

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	-0.60		Grass and Roots.	0.600	
							-1.20		Brown Muck and Roots.	1.200	
									Brown, very wet, silty fine to medium SAND, little gravel, (Till).		
5											
10							-10.00		Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL	10.000	
15											
20											
25											

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/22/08-7/22/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 146+00, 9.0 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	-0.60		PAVEMENT. Light brown, damp, fine silty SAND, trace coarse sand, trace gravel. ≈S19		
5	S34		4.00 - 6.00				-4.00		Dark-brown and black, organic rich SILT, trace peat.	G#208737 A-4, SM WC=34.0%	
							-6.00		Light brown, damp, fine silty SAND, trace coarse sand, trace gravel. ≈S19		
10							-10.00		Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL		
15											
20											
25											

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/22/08-7/22/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 151+50, 9.0 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	S28		0.50 - 4.00			SSA	-0.40 -0.50		PAVEMENT. Unbound Pavement. Brown, damp, well graded SAND, little fine gravel, trace silt, <u>oily</u> smell.	G#208738 A-1-b, SM WC=5.2%	
5	S29		4.00 - 6.00				-4.00 -6.00		Light brown, moist, sandy SILT, trace fine gravel, bonding. Similar to S28, except no oily smell.	G#208739 A-4, SM WC=11.2%	
10							-10.00		Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL		
15											
20											
25											

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/23/08-7/23/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 156+00, 9.0 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	-0.50		PAVEMENT.		
									Black, damp, fine to coarse SAND, little fine gravel, tarce silt, <u>oily smell</u> . ≈S32		
	S30		3.00 - 4.00				-3.00		Light-brown, grey-black and orange, moist, mottled, SILT, trace sand, bonding.		
	S31		4.00 - 10.00				-4.00		Light brown, damp, silty SAND, little fine gravel.	G#208740 A-4, SM WC=8.5%	
10							-10.00		Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL		
15											
20											
25											

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/23/08-7/23/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 162+50, 9.0 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 Information								Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/AASHTO and Unified Class.
	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows						
0	S32		0.70 - 1.50						SSA	-0.70	PAVEMENT.	
	S33		1.50 - 5.00							-1.50	Black, damp, fine to coarse SAND, little fine gravel, trace silt, <u>oily smell</u> .	G#208741 A-1-b, SP-SM WC=3.5% G#208742 A-2-4, SM WC=8.6%
											Olive-brown, damp, silty SAND, trace gravel.	
5										-5.00	Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	
10												
15												
20												
25												

Remarks:

Maine Department of Transportation Soil/Rock Exploration Log US CUSTOMARY UNITS	Project: Route 11 CHIP	Boring No.: HB-WALL-119
	Location: Wallagrass, Maine	PIN: 12772.00

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Mike/Nick	Datum: NAVD 88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/21/08-7/21/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 168+50, 20.0 Lt.	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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Depth (ft.)	Sample Information								Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/AASHTO and Unified Class.
	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows						
0	S42		0.80 - 10.00			SSA			-0.80		Brown, damp, gravelly fine to medium SAND, some silt, (Fill). Brown, damp, silty fine to medium SAND, little gravel, (Till).	G#208743 A-4, SM WC=8.9%
5												
10									-10.00		Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL	
15												
20												
25												

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Mike/Nick	Datum: NAVD 88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/15/08-7/15/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 177+41.6, 48.3 Rt. Corrected	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	S36		0.30 - 9.20			SSA	-0.30		Sod. Brown, dry, silty fine to medium SAND, little gravel, (Till).		G#208744 A-2-4, SM WC=4.0%	
5												
10							-9.20		Weathered ROCK.			
10.50							-10.50		Bottom of Exploration at 10.50 feet below ground surface. REFUSAL			
15												
20												
25												

Remarks:

Maine Department of Transportation Soil/Rock Exploration Log US CUSTOMARY UNITS	Project: Route 11 CHIP	Boring No.: HB-WALL-121
	Location: Wallagrass, Maine	PIN: 12772.00

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Mike/Nick	Datum: NAVD 88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/15/08-7/15/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 178+00, 50.0 Lt.	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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Depth (ft.)	Sample Information										Visual Description and Remarks	Laboratory Testing Results/AASHTO and Unified Class.
	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	S37		0.40 - 10.00			SSA	-0.40				Sod. Olive, wet, fine to medium sandy-SILT, little gravel, (Till).	G#208745 A-4, SM WC=15.5%
5												
10							-10.00				Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL	
15												
20												
25												

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Mike/Nick	Datum: NAVD 88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/16/08-7/16/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 180+00, 25.0 Lt.	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	-0.40		PAVEMENT.	-0.400	G#208747 A-2-4, SM WC=21.5%
	S39		1.00 - 2.20				-1.00		Brown, dry, gravelly fine to medium SAND, little silt.	-1.000	
							-2.20		Brown, moist, silty fine to medium SAND, little gravel, (Till).	-2.200	
							-3.40		Weathered ROCK.	-3.400	
									Bottom of Exploration at 3.40 feet below ground surface.		
									REFUSAL		
5											
10											
15											
20											
25											

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/16/08-7/16/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 180+48.6, 39.0 Rt. Corrected	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	-0.50	[Graphic Log: Pavement]	PAVEMENT.			
	S10		1.80 - 5.00				-1.80	[Graphic Log: Soil]	Light brown, damp, sandy SILT, trace fine gravel. ≈S8			
							-5.00	[Graphic Log: Soil]	Brown-red brown, moist, SILT, little sand, little gravel.		G#208748 A-4, SM WC=13.4%	
5							-5.00	[Graphic Log: End of Log]	Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL			
10												
15												
20												
25												

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

Maine Department of Transportation Soil/Rock Exploration Log US CUSTOMARY UNITS	Project: Route 11 CHIP Location: Wallagrass, Maine	Boring No.: HB-WALL-125 PIN: 12772.00
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Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Mike/Nick	Datum: NAVD 88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/21/08-7/21/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 182+01, 0.4 Rt. Corrected	Casing ID/OD: N/A	Water Level*: 2.0' bgs.

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	S40		0.40 - 7.40			SSA	-0.40		Sod. Brown, wet, fine to medium sandy SILT, little gravel, (Till).	G#208749 A-4, SM WC=12.9%	
5							-7.40		Bottom of Exploration at 7.40 feet below ground surface. REFUSAL		
10											
15											
20											
25											

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/17/08-7/17/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 185+80, 40.0 Lt.	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	S15		0.00 - 2.00			SSA	-2.00	[Pattern]	Dark brown, organic rich SILT, trace sand, trace gravel, (Organic Topsoil).			
							-4.00	[Pattern]	Light brown, damp, sandy SILT, trace fine gravel. ≈S8		-2.000	
5						↓			Bottom of Exploration at 4.00 feet below ground surface.		-4.000	
									REFUSAL			
10												
15												
20												
25												

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/15/08-7/15/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 186+50, 15.0 Lt.	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	-0.50		PAVEMENT.		
							-2.00		Grey, damp, silty SAND, trace fine gravel, <u>strong odor</u> . ≈S5		
	S9		2.00 - 10.00						Brown, damp, fine SAND, some silt, trace coarse sand, trace gravel.	G#208750 A-4, SM WC=7.8%	
5											
10							-10.00 -10.10		Weathered ROCK.		
									Bottom of Exploration at 10.10 feet below ground surface. REFUSAL		
15											
20											
25											

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/15/08-7/15/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 188+00, 23.0 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 Information								Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/AASHTO and Unified Class.
	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								-0.60	SSA	PAVEMENT.		
								-2.00		Grey, damp, silty SAND, trace fine gravel, <u>strong odor</u> . ≈S5		
								-6.30		Grey-brown, wet, SILT, some sand, trace gravel. ≈S7		
5								-6.30	↓	Light brown, damp, sandy SILT, trace fine gravel.		
	S8		6.30 - 7.10					-7.10		Bottom of Exploration at 7.10 feet below ground surface. REFUSAL	G#208723 A-2-4, SM WC=4.7%	
10												
15												
20												
25												

Remarks:

Maine Department of Transportation Soil/Rock Exploration Log US CUSTOMARY UNITS	Project: Route 11 CHIP Location: Wallagrass, Maine	Boring No.: HB-WALL-129 PIN: 12772.00
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Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/16/08-7/16/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 188+50, 10.0 Lt.	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	S11		0.00 - 0.50			SSA	-0.50		Dark brown, moist, sandy GRAVEL, trace silt.	0.500	
									Light brown, damp, sandy SILT, trace fine gravel. ≈S8		
5						↓	-6.00		Bottom of Exploration at 6.00 feet below ground surface. NO REFUSAL	6.000	
10											
15											
20											
25											

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: Mike/Nick	Datum: NAVD 88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/21/08-7/21/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 193+01, 50.5 Lt. Corrected	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	S41		0.40 - 4.80			SSA	-0.40		Sod. Brown, dry, silty fine to medium SAND, little gravel, (Till).		G#208721 A-4, SM WC=6.3%	
5						↙	-4.80		Weathered ROCK.			
							-5.60		Bottom of Exploration at 5.60 feet below ground surface. REFUSAL			
10												
15												
20												
25												

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/17/08-7/17/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 193+00, 10.0 Lt.	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	S12		0.00 - 2.00			SSA			Grey-brown, damp, well graded SAND, trace gravel, trace silt.		G#208722 A-1-b, SP WC=4.5%	
	S13		2.00 - 4.00				-2.00		Light brown, damp, sandy SILT, trace fine gravel. ≈S8			
							-4.00		Light brown, damp, sandy SILT, trace fine gravel. ≈S8			
5	S14		4.00 - 4.30				-4.30		Light brown, damp, sandy SILT, trace fine gravel. ≈S8			
								Bottom of Exploration at 4.30 feet below ground surface. REFUSAL				
10												
15												
20												
25												

Remarks:

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/15/08-7/15/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 212+50, 9.0 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	-0.60		PAVEMENT.		0.600	
							-2.00		Grey, damp, silty SAND, trace fine gravel. ≈S5		2.000	
	S7		2.00 - 5.00				-5.00		Grey-brown, wet, SILT, some sand, trace gravel.		5.000	
5							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL			
10												
15												
20												
25												

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/14/08-7/14/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 215+00, 9.0 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	S5		0.70 - 2.50			SSA	-0.70		PAVEMENT.			
									Grey, damp, silty SAND, trace fine gravel.		-0.700	
	S6		2.50 - 5.00				-2.50		Brown, moist, sandy SILT, trace gravel.		-2.500	
5						↓	-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL		-5.000	
10												
15												
20												
25												

Remarks:

Maine Department of Transportation Soil/Rock Exploration Log US CUSTOMARY UNITS	Project: Route 11 CHIP Location: Wallagrass, Maine	Boring No.: HB-WALL-134 PIN: 12772.00
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Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/14/08-7/14/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 218+00, 9.0 Lt.	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	-0.60		PAVEMENT.		G#208752 A-4, SM WC=14.5%	
							-2.00		Brown, moist, silty SAND, little fine gravel. ≈S3			
									Grey-brown, moist, SILT, little gravel, sampled at 4.4' bgs. ≈S1			
5			6.00 - 8.00				-6.00		Brown, wet, SILT, some well graded sand.			
							-8.00	Bottom of Exploration at 8.00 feet below ground surface. NO REFUSAL				
10												
15												
20												
25												

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/14/08-7/14/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 218+35, 9.0 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	S3		0.60 - 2.00			SSA	-0.60		PAVEMENT.		0.600	G#208753 A-2-4, SM WC=11.1% G#208754 A-4, ML WC=16.7%
							-2.00		Brown, moist, silty SAND, little fine gravel.		2.000	
	S4		2.00 - 5.00						Light-brown, wet, SILT, little fine gravel, trace sand.		5.000	
5						↓	-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL		5.000	
10												
15												
20												
25												

Remarks:

Driller: MaineDOT	Elevation (ft.):	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: C. Beebe	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 7/14/08-7/14/08	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 218+50, 9.0 Lt.	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 Information								Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/AASHTO and Unified Class.
	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								-0.50	SSA	PAVEMENT.		
								-2.00		Brown, moist, silty SAND, little fine gravel. \approx S3		
	S1		2.00 - 8.00							Grey-brown, moist, SILT, little gravel.	G#208755 A-4, ML WC=11.8%	
5												
								-8.00		Bottom of Exploration at 8.00 feet below ground surface. NO REFUSAL		
10												
15												
20												
25												

Remarks:

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.