



STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING NUMBER: B-1 INC#1
SHEET 1 of 2
DATE STARTED: 8/18/05
DATE COMPLETED: 8/29/05

PROJECT NAME: WOLCOTT
SITE NAME: RT. 15
STATION: 3+94.45
OFFSET: 74.72
VTSPG: N 754308.63 ft E 1633651.52 ft

PROJECT NUMBER: RT. 15 SLIDE
SITE NUMBER: SLIDE AREA
GROUND ELEVATION: 668.03 ft
GROUNDWATER DEPTH: 5.0 ft 8/24/05
PROJECT PIN NUMBER: 04X507

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: PORTER

BORING RIG: LAG TRACK RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: DLG

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		Top of Well Elevation: 670.79 ft						
		A-2-4, SiGrSa, brn, Dry, Rec. = 0.75 ft, Inclinator casing is 2.5 ft. above ground level.		14	4.2	29.0	44.8	26.2
		Visual Class: A-2-4, Gr Sa, brn, Dry, Rec. = 0.1 ft, 2.0 ft - 4.0 ft, Insufficient sample for testing.		5				
5		No Sample, 4.0 ft - 6.0 ft, Stone in sampler.		13				
		A-4, SaSi, gry, Moist, Rec. = 0.5 ft		4	24.9	6.9	39.5	53.6
		A-4, SaSi, gry, Moist, Rec. = 1.0 ft		35	25.8	9.8	33.7	56.5
10		Visual Class: Weathered Rock, gry, Moist, 9.0 ft - 10.0 ft		41				
		Visual Class: Broken Rock material, gry, MTW, Rec. = 0.5 ft, 10.0 ft - 12.0 ft		4				
		No Sample, 12.0 ft - 14.0 ft, Stone in sampler.		4				
15		A-4, SiSa, brn, Moist, Rec. = 1.0 ft		3	19.5	2.0	60.8	37.2
		A-2-4, GrSiSa, gry, Moist, Rec. = 0.8 ft		5	14.2	21.1	47.0	31.9
		A-2-4, GrSiSa, gry, Moist, Rec. = 1.5 ft		35	9.5	28.2	36.8	35.0
20		A-2-4, SiSaGr HP, gry, Moist, Rec. = 0.7 ft		R	8.8	34.6	32.7	32.7
		A-4, SaSi HP, gry, Moist, Rec. = 0.9 ft		R	9.1	16.9	40.4	42.7
25		A-4, SaSi HP, gry, Moist, Rec. = 0.5 ft		R	7.7	12.8	38.6	48.6
		A-4, GrSaSi HP, gry, Moist, Rec. = 1.8 ft		51	9.4	21.1	39.1	39.8
		A-4, SaSi HP, gry, Moist, Rec. = 1.5 ft		R	8.6	14.5	38.5	47.0
30		A-4, GrSaSi HP, gry, Moist, Rec. = 1.5 ft		R	7.8	26.4	29.8	43.8
35		A-4, SaSi HP, gry, Moist, Rec. = 2.0 ft		R	9.4	13.8	36.8	49.4

LOG OF BORING WOLCOTT RT.15 SLIDE.GPJ VT_AOT.GDT 12/14/06



STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING NUMBER: B-1 INC#1
SHEET 2 of 2
DATE STARTED: 8/18/05
DATE COMPLETED: 8/29/05

PROJECT NAME: WOLCOTT
SITE NAME: RT. 15
STATION: 3+94.45
OFFSET: 74.72
VTSPG: N 754308.63 ft E 1633651.52 ft

PROJECT NUMBER: RT. 15 SLIDE
SITE NUMBER: SLIDE AREA
GROUND ELEVATION: 668.03 ft
GROUNDWATER DEPTH: 5.0 ft 8/24/05
PROJECT PIN NUMBER: 04X507

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: PORTER

BORING RIG: LAG TRACK RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: DLG

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		A-4, GrSaSi HP, gry, Moist, Rec. = 1.8 ft		R	9.1	22.0	35.2	42.8
45		A-4, SaSi, gry, Moist, Rec. = 2.0 ft		R	11.5	16.9	38.9	44.2
50		A-4, SaSi, gry, Moist, Rec. = 2.0 ft		71	16.6	8.8	23.0	68.2
55		A-4, SaGrSi, gry, Moist, Rec. = 1.0 ft		R	14.5	27.2	22.2	50.6
60		A-4, SiSa, gry, Moist, Rec. = 1.3 ft		98	13.3	15.7	44.7	39.6
65		A-2-4, SiGrSa, gry, Moist, Rec. = 0.6 ft, Broken Rock was within sample		R	10.6	26.5	47.4	26.1
		Hole stopped @ 66.0 ft						
		DRILLER'S NOTES: 1. Inclinator #1 was installed. 2. There is 50.0 ft. of Inclinator casing in ground. 3. There is 2.5 ft. of Inclinator casing above ground.						
70								
75								

LOG OF BORING WOLCOTT RT.15 SLIDE.GPJ VT_AOT.GDT 12/14/06



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: B-2 INC#2
 SHEET 1 of 1
 DATE STARTED: 8/30/05
 DATE COMPLETED: 9/08/05

PROJECT NAME: WOLCOTT
 SITE NAME: RT. 15
 STATION: 3+01.22
 OFFSET: 35.36
 VTSPG: N 754367.11 ft E 1633563.59 ft

PROJECT NUMBER: RT. 15 SLIDE
 SITE NUMBER: SLIDE AREA
 GROUND ELEVATION: 681.3 ft
 GROUNDWATER DEPTH: 6.5 ft 9/02/05
 PROJECT PIN NUMBER: 04X507

BORING CREW
 CREW CHIEF: TALLMAN
 DRILLER: TALLMAN
 LOGGER: PORTER

BORING RIG: LAG TRACK RIG
 BORING TYPE: WASH BORE
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: DLG

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
Top of Well Elevation: 684.0 ft								
	x x x	Fill Material, 0.0 ft - 4.0 ft, put into place 08/29/05 for the drill rig. Inclinator casing is 2.5 ft. above ground level.						
5		Visual Class: A-2-4, Si Sa Gr with roots and wood material, brn, Moist, Rec. = 0.9 ft, 4.0 ft - 6.0 ft		11	34.1			
		A-4, SiSa, brn, Moist, Rec. = 1.0 ft		3	26.9	1.8	51.7	46.5
10		Visual Class: A-2-4, Sa with broken rock material, brn, Moist, Rec. = 0.6 ft, 8.0 ft - 10.0 ft		19	18.4			
		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft		17	14.6	42.3	43.2	14.5
		A-2-4, SiSa, brn-gry, MTW, Rec. = 0.5 ft		3	26.4	7.3	66.6	26.1
15		A-2-4, SiSa, brn-gry, MTW, Rec. = 0.1 ft		7	37.7	11.3	59.0	29.7
		A-4, GrSaSi, gry, Moist, Rec. = 1.4 ft		25	10.5	27.3	36.3	36.4
		A-4, SaSi HP, gry, Moist, Rec. = 1.7 ft		90	10.5	12.0	41.2	46.8
20		A-4, GrSaSi HP, gry, Moist, Rec. = 1.3 ft		R	7.7	29.8	33.4	36.8
25		A-4, SaSi HP, gry, Moist, Rec. = 1.5 ft		R	8.9	9.5	36.3	54.2
30		A-4, SaSi HP, gry, Moist, Rec. = 1.5 ft		R	9.1	7.5	40.0	52.5
35		A-4, SaSi HP, gry, Moist, Rec. = 1.7 ft		97	15.6	9.8	24.4	65.8
		Hole stopped @ 37.0 ft						
40		DRILLER'S NOTES: 1. Inclinator #2 was installed. 2. There is 34.5 ft. of Inclinator casing in ground. 3. There is 2.5 ft. of Inclinator casing above ground.						

LOG OF BORING WOLCOTT RT.15 SLIDE.GPJ VT AOT.GDT 12/14/06



STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING NUMBER: B-3 INC#3
SHEET 1 of 1
DATE STARTED: 9/13/05
DATE COMPLETED: 9/16/05

PROJECT NAME: WOLCOTT
SITE NAME: RT. 15
STATION: 3+96.21
OFFSET: 35.26
VTSPG: N 754347.53 ft E 1633658.39 ft

PROJECT NUMBER: RT. 15 SLIDE
SITE NUMBER: SLIDE AREA
GROUND ELEVATION: 684.37 ft
GROUNDWATER DEPTH: 4.0 ft 9/15/05
PROJECT PIN NUMBER: 04X507

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: PORTER

BORING RIG: LAG TRACK RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: DLG

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
Top of Well Elevation: 685.91 ft								
		Visual Class: Topsoil, brn-gry, Moist, 0.0 ft - 0.4 ft, There is 2.5 ft. of inclinometer casing above ground level.		R	17.4			
		Boulder, Rec. = 0.4 ft, 0.4 ft - 2.0 ft		12				
		Broken Rock, possible Fill, Rec. = 0.5 ft, 2.0 ft - 4.0 ft		5				
5		Visual Class: A-1-b, Sa Gr, gry-brn, Moist, Rec. = 0.3 ft, 4.0 ft - 6.0 ft, Insufficient sample for testing.		4				
		No Recovery, 6.0 ft - 8.0 ft						
		A-2-4, GrSiSa, brn, MTW, Rec. = 1.6 ft		2	18.6	20.4	48.9	30.7
10		A-2-4, GrSiSa, brn-gry, MTW, Rec. = 1.0 ft		5	20.1	25.0	42.4	32.6
		No Recovery, 12.0 ft - 14.0 ft		5				
		A-2-4, SiSa, brn-gry, MTW, Rec. = 2.0 ft		8	20.0	13.5	53.7	32.8
15		A-2-4, SiSa, brn-gry, Moist, Rec. = 0.8 ft		78	20.6	7.8	64.5	27.7
		Visual Class: Broken Rock fragments, gry, 16.8 ft - 17.0 ft						
		A-1-b, SaGr, gry, Moist, Rec. = 0.6 ft		23	10.1	48.2	33.5	18.3
20		A-1-b, SiGrSa, gry, Moist, Rec. = 0.8 ft		7	10.7	35.8	40.3	23.9
		A-4, GrSaSi HP, gry, Moist, Rec. = 0.5 ft		20	10.5	32.1	32.2	35.7
25		A-4, GrSaSi HP, gry, Moist, Rec. = 1.3 ft		46	9.4	27.0	33.5	39.5
		A-4, GrSiSa HP, gry, Moist, Rec. = 1.6 ft		41	10.7	22.8	39.7	37.5
		A-2-4, SiGrSa HP, gry, Moist, Rec. = 1.8 ft		69	9.2	35.5	35.5	29.0
30		A-4, SaSi HP, gry, Moist, Rec. = 1.9 ft		90	8.4	16.6	37.6	45.8
		A-4, SaSi HP, gry, Moist, Rec. = 1.4 ft		R	9.9	16.2	35.6	48.2
35		A-2-4, GrSiSa HP, gry, Moist, Rec. = 1.5 ft		R	9.6	28.7	39.4	31.9
40		A-4, SaSi HP, gry, Moist, Rec. = 1.5 ft		R	9.1	16.1	38.3	45.6
		Hole stopped @ 41.5 ft						
45		DRILLER'S NOTES: 1. Inclinometer #3 was installed. 2. There is 39.9 ft. of Inclinometer casing in ground. 3. There is 2.5 ft. of Inclinometer casing above ground.						

LOG OF BORING WOLCOTT RT.15 SLIDE.GPJ VT AOT.GDT 12/14/06



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: B-4 MW #1
 SHEET 1 of 1
 DATE STARTED: 9/09/05
 DATE COMPLETED: 9/12/05

PROJECT NAME: WOLCOTT
 SITE NAME: RT. 15
 STATION: 3+89.26
 OFFSET: 36.00
 VTSPG: N 754348.31 ft E 1633650.27 ft

PROJECT NUMBER: RT. 15 SLIDE
 SITE NUMBER: SLIDE AREA
 GROUND ELEVATION: 683.16 ft
 GROUNDWATER DEPTH: 4.2 ft 9/13/05
 PROJECT PIN NUMBER: 04X507

BORING CREW
 CREW CHIEF: TALLMAN
 DRILLER: TALLMAN
 LOGGER: PORTER

BORING RIG: LAG TRACK RIG
 BORING TYPE:
 SAMPLE TYPE:
 CHECKED BY: DLG

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		Top of Well Elevation: 685.25 ft						
		Top of Well casing is 2.5 ft. above ground level. Solid casing with Bentonite around it., 0.0 ft - 5.0 ft						
5		Screen casing with sand packed around it., 5.0 ft - 25.0 ft						
10								
15								
20								
25		One foot of sand under casing., 25.0 ft - 26.0 ft						
		Hole stopped @ 26.0 ft						
		DRILLER'S NOTES: 1. Monitoring Well #1 was installed. 2. There is 20.0 ft. of screen casing in ground. 3. There is 5.0 ft. of solid casing in ground. 4. There is 2.5 ft. of solid casing above ground. 5. Water depth was reported from top of ground surface.						
30								
35								

LOG OF BORING WOLCOTT RT.15 SLIDE.GPJ VT AOT.GDT 12/14/06



STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING NUMBER: B-5 MW #2
SHEET 1 of 1
DATE STARTED: 9/21/05
DATE COMPLETED: 9/23/05

PROJECT NAME: WOLCOTT
SITE NAME: RT. 15
STATION: 3+97.37
OFFSET: -25.15
VTSPG: N 754407.08 ft E 1633668.86 ft

PROJECT NUMBER: RT. 15 SLIDE
SITE NUMBER: SLIDE AREA
GROUND ELEVATION: 693.53 ft
GROUNDWATER DEPTH: 7.9 ft 9/26/05
PROJECT PIN NUMBER: 04X507

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: PORTER

BORING RIG: LAG TRACK RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: DLG

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	
Top of Well Elevation: 694.54 ft									
		A-2-4, SiSa, brn, Moist, Rec. = 1.0 ft, Top of Well casing is 1.0 ft. above ground level.		2	6.9	6.0	66.1	27.9	
		A-2-4, SiSa, brn, Moist, Rec. = 0.3 ft		15	6.6	2.5	67.1	30.4	
5		A-4, SiSa, brn, Moist, Rec. = 1.3 ft		12	21.0	0.3	63.8	35.9	
		A-4, SiSa, brn, Moist, Rec. = 1.2 ft		11	21.0	1.7	55.5	42.8	
10		Visual Class: A-4, Si Sa, brn, Moist, Rec. = 0.1 ft, 8.0 ft - 10.0 ft, Insufficient sample for testing		21					
		A-4, SiSa, brn, Moist, Rec. = 1.6 ft		17	24.6	0.8	56.4	42.8	
		A-4, SiSa, brn, Moist, Rec. = 1.4 ft		16	22.6	0.1	63.9	36.0	
15		A-2-4, SiSa, brn, Moist, Rec. = 1.9 ft		13	22.9	0.0	64.9	35.1	
		A-4, SiSa, brn, Moist, Rec. = 0.5 ft		11	24.0	1.8	62.7	35.5	
		A-2-4, SiSa, gry, Moist, Rec. = 1.8 ft		26	20.8	3.5	61.5	35.0	
20		A-4, GrSaSi, gry, Moist, Rec. = 1.7 ft		24	17.6	22.0	35.9	42.1	
		A-2-4, SaSiGr, gry, Moist, Rec. = 0.8 ft		19	14.4	40.1	29.9	30.0	
25		A-4, SaGrSi, gry, Moist, Rec. = 1.3 ft		33	14.5	38.7	21.9	39.4	
		Boulder, 26.1 ft - 27.0 ft							
		A-2-4, SiSaGr HP, gry, Moist, Rec. = 1.1 ft		28	9.0	39.3	31.2	29.5	
30		Cleaned out casing, 29.0 ft - 30.0 ft							
		A-4, GrSaSi HP, gry, Moist, Rec. = 0.8 ft		R	8.0	20.2	34.5	45.3	
		No Recovery, 33.0 ft - 33.3 ft		R					
35		Hole stopped @ 33.3 ft							
40		DRILLER'S NOTES: 1. Monitoring Well #2 was installed. 2. There is 20.0 ft. of screen casing in ground. 3. There is 7.7 ft. of solid casing in ground. 4. There is 1.0 ft. of solid casing above ground. 5. Water depth was reported from top of ground surface.							

LOG OF BORING WOLCOTT RT.15 SLIDE.GPJ VT AOT.GDT 12/14/06