



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

BORING NUMBER: B-101  
SHEET 1 of 1  
DATE STARTED: 5/15/07  
DATE COMPLETED: 5/23/07

PROJECT NAME: LUDLOW  
SITE NAME: VT-100  
STATION: 3+50  
OFFSET: -16.83  
VTSPG: N 318207.51 ft E 1582296.51 ft

PROJECT NUMBER: ST CULV(7)  
SITE NUMBER: BR-98F  
GROUND ELEVATION: 1353.4 ft  
GROUNDWATER DEPTH: Hole Caved In @ 10.3'  
PROJECT PIN NUMBER: 00B258

BORING CREW  
CREW CHIEF: GARROW  
DRILLER: GARROW  
LOGGER: CARRIERE

BORING RIG: LARGE SKID RIG w/AUTO HAMMER  
BORING TYPE: WASH BORE  
SAMPLE TYPE: SPLIT BARREL  
CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		Field Note:, Asphalt					
		A-1-b, SaGr, brn, Moist, Rec. = 1.5 ft	16	6.5	47.5	39.6	12.9
5		A-2-4, SiSa, brn, Moist, Rec. = 1.3 ft	10	15.3	5.5	62.2	32.3
		A-2-4, SiSa, brn, Moist, Rec. = 0.5 ft	7	14.0	16.6	55.8	27.6
		A-2-4, SiSa, brn, Moist, Rec. = 0.9 ft	2	14.3	11.9	61.5	26.6
10		A-1-b, GrSa, brn, Moist, Rec. = 0.8 ft	5	11.9	27.0	58.3	14.7
		A-1-b, SaGr, brn, Moist, Rec. = 1.0 ft	71	9.2	48.2	39.7	12.1
		A-2-4, GrSiSa with decayed wood, brn, Moist, Rec. = 0.6 ft	15	22.2	21.8	53.2	25.0
		A-2-4, SiSa with Trace of Organics(3.7%), brn, MTW, Rec. = 0.7 ft		34.6	1.1	77.9	21.0
15		A-2-4, Sa with Trace of Organics(2.9%), brn, MTW, Rec. = 0.2 ft	R	39.6	12.4	68.0	19.6
		A-1-a, SaGr, gry, Moist, Rec. = 0.6 ft		10.3	74.0	20.9	5.1
		A-1-a, SaGr, brn, Moist, Rec. = 1.4 ft	64	9.5	71.8	22.3	5.9
20		A-4, SaGrSi, brn, Moist, Rec. = 1.0 ft	40	15.2	35.0	27.8	37.2
		A-4, Si, gry, Moist, Rec. = 1.9 ft	42	23.4	0.4	11.7	87.9
		A-4, Si, gry, Moist, Rec. = 1.8 ft	38	27.6	0.1	3.6	96.3
25		A-4, Si, gry, Moist, Rec. = 1.6 ft	38	28.8	0.0	0.6	99.4
30		Field Note:, NXDC, Cleaned out casing.					
		A-4, SaGrSi, gry, Moist, Rec. = 1.5 ft	R	12.7	32.0	27.5	40.5
35		A-4, GrSaSi, gry, Moist, Rec. = 1.8 ft	70	17.2	21.9	32.2	45.9
		Hole stopped @ 37.8 ft					

LOG OF BORING LUDLOW ST CULV(7).GPJ VT AOT.GDT 7/19/07



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

BORING NUMBER: B-102  
 SHEET 1 of 1  
 DATE STARTED: 5/16/07  
 DATE COMPLETED: 5/23/07

PROJECT NAME: LUDLOW  
 SITE NAME: VT-100  
 STATION: 4+50  
 OFFSET: 14.00  
 VTSPG: N 318308.09 ft E 1582324.87 ft

PROJECT NUMBER: ST CULV(7)  
 SITE NUMBER: BR-98F  
 GROUND ELEVATION: 1350.09 ft  
 GROUNDWATER DEPTH: 14.1 ft 5/23/07  
 PROJECT PIN NUMBER: 00B258

BORING CREW  
 CREW CHIEF: GARROW  
 DRILLER: GARROW  
 LOGGER: CARRIERE

BORING RIG: LARGE SKID RIG w/AUTO HAMMER  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE: SPLIT BARREL  
 CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		Field Note:, Asphalt					
		A-1-b, SaGr, brn, Moist, Rec. = 1.2 ft	19	7.5	42.8	42.5	14.7
		A-2-4, SiSa, brn, Moist, Rec. = 0.8 ft	23	15.8	15.7	53.0	31.3
5		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft	17	9.0	26.5	54.7	18.8
		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft	19	14.5	27.0	53.8	19.2
10		A-1-a, SaGr, brn, Moist, Rec. = 0.6 ft	R	12.0	54.1	33.1	12.8
		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft	R	11.4	37.3	49.5	13.2
		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft	18	16.7	33.2	56.0	10.8
15		A-1-b, GrSa with Trace of Organics(5.7%), brn, MTW, Rec. = 0.6 ft	7	46.4	31.0	55.3	13.7
		A-4, Si, brn, Moist, Rec. = 0.1 ft	71	19.9	13.9	18.2	67.9
		A-4, Si, gry, Moist, Rec. = 0.8 ft		22.5	0.3	5.6	94.1
20		A-4, Si, gry, Moist, Rec. = 1.7 ft	52	21.5	0.4	13.1	86.5
		A-4, Si, gry, Moist, Rec. = 1.5 ft	66	22.6	0.0	7.6	92.4
		A-4, Si, gry, Moist, Rec. = 1.5 ft	60	23.1	0.0	7.5	92.5
25		A-4, Si, gry, Moist, Rec. = 1.6 ft	54	21.8	0.1	9.7	90.2
30		Field Note:, NXDC,Cleaned out casing.					
		A-4, Si, gry, Moist, Rec. = 1.45 ft	64	24.6	4.0	5.2	90.8
35		A-4, GrSaSi, gry, Moist, Rec. = 1.5 ft	81	14.7	23.5	26.3	50.2
		Hole stopped @ 37.7 ft					

LOG OF BORING LUDLOW ST CULV(7).GPJ VT AOT.GDT 7/19/07