

**STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH DIVISION
SUBSURFACE INFORMATION**

HOLE NO.: B-09
SHEET 1 OF 1
DATE STARTED: 8/28/01
DATE COMPLETED: 8/28/01

PROJECT NAME: HARTFORD
SITE NAME: BR #8
STATION: 33+63.00
GROUND EL.: 381.76

PROJECT NUMBER: BTN 2004(I)
SITE NO.: TH #4
OFFSET: -16.00
G.W. DEPTH:

BORING CREW
CREW CHIEF: YOUNG
DRILLER: YOUNG
LOGGER: SOMERS

BORING RIG: TRACK RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
Top of bedrock @ 4.0'									
5		Run#1: BXGDC, 4.0'-8.5', Rec. = 2.1', See Geologist's Report.	1	47	22	35			
10		Run#2: BXGDC, 8.5'-13.5', Rec. = 2.75', See Geologist's Report.	2	55	33	35			
15		Run#3: BXGDC, 13.5'-18.5', Rec. = 2.1', See Geologist's Report.	3	42	17	35			

Hole stopped @ 18.5'

GEOLOGIST'S REPORT:

Run#1: Gray garnet schist with garnet porphyroblasts, Moderately hard, Unweathered.
Run#2: Same as Run#1.
Run#3: Same as Run#1.

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HOLE NO.: B-11
SHEET 1 OF 1
DATE STARTED: 8/23/01
DATE COMPLETED: 8/23/01

PROJECT NAME: HARTFORD
SITE NAME: BR #8
STATION: 33+63.00
GROUND EL.: 380.56

PROJECT NUMBER: BTN 2004(I)
SITE NO.: TH #4
OFFSET: 16.00
G.W. DEPTH: 3.2 (08/23/01)

BORING CREW
CREW CHIEF: YOUNG
DRILLER: YOUNG
LOGGER: SOMERS

BORING RIG: TRACK RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
Top of bedrock @ 4.0'									
5		Run#1: BXGDC, 4.0'-6.5', Rec. = 1.7', See Geologist's Report.	1	68	60	45			
10		Run#2: BXGDC, 6.5'-11.5', Rec. = 2.8', See Geologist's Report.	2	56	50	45			
15		Run#3: BXGDC, 11.5'-16.5', Rec. = 3.4', See Geologist's Report.	3	68	60	45			

Hole stopped @ 16.5'

DRILLER'S NOTES:

Water elev. @ 3.2' (08/23/01).

GEOLOGIST'S REPORT:

Run#1: Gray quartz-sericite schist with garnet porphyroblasts, Hard, Unweathered.
Run#2: Same as Run#1.
Run#3: Same as Run#1.

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HOLE NO.: B-12
SHEET 1 OF 1
DATE STARTED: 8/14/01
DATE COMPLETED: 8/15/01

PROJECT NAME: HARTFORD
SITE NAME: BR #8
STATION: 34+17.00
GROUND EL.: 388.19

PROJECT NUMBER: BTN 2004(I)
SITE NO.: TH #4
OFFSET: -23.00
G.W. DEPTH:

BORING CREW
CREW CHIEF: YOUNG
DRILLER: SOMERS
LOGGER: RUSSELL

BORING RIG: TRACK RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-2-4, SiSa, brn, MTW, Rec. = 0.33'	5	22.2	17	60.7	22.3		
10		A-2-4, GrSa with Wood particles, gry, MTW, Rec. = 1.0'	5	22.8	29.9	50.8	19.3		
15		A-1-b, SiSaGr with Wood particles, gry, Moist, Rec. = 0.4'	13	18.9	51.4	27.8	20.8		
20		Visual Class: Wood with little Gravel, brn, Moist, Rec. = 0.5'	R						
Top of bedrock @ 23.0'									
25		Run#1: BXGDC, 23.0'-27.5', Rec. = 0.66', See Geologist's Report.	1	15	0	40			
30		Run#2: BXGDC, 27.5'-29.5', Rec. = 0.15', See Geologist's Report.	2	7	0	40			
35		Run#3: BXGDC, 29.5'-34.5', Rec. = 2.6', See Geologist's Report.	3	52	48	40			
40		Run#4: BXGDC, 34.5'-39.5', Rec. = 3.33', See Geologist's Report.	4	67	67	40			

Hole stopped @ 39.5'

GEOLOGIST'S REPORT:

Run#1: Gray quartz sericite schist with some garnet porphyroblasts, Hard, Unweathered.
Run#2: Same as Run#1.
Run#3: Same as Run#1.
Run#4: Same as Run#1.

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HOLE NO.: B-13
SHEET 1 OF 1
DATE STARTED: 8/13/01
DATE COMPLETED: 8/14/01

PROJECT NAME: HARTFORD
SITE NAME: BR #8
STATION: 34+09.00
GROUND EL.: 386.47

PROJECT NUMBER: BTN 2004(I)
SITE NO.: TH #4
OFFSET: -19.00
G.W. DEPTH: 5.5 (08/14/01)

BORING CREW
CREW CHIEF: YOUNG
DRILLER: CHABOT
LOGGER: SOMERS

BORING RIG: TRACK RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-2-4, SiGrSa, brn, MTW, Rec. = 1.0'	2	25.6	27.5	49.1	23.4		
10		BXGDC, 10.0'-11.5', No Rec., Boulder							
15		No Sample, Stone in end of sampler.	7						
20		BXGDC, 19.5'-21.5', No Rec., Boulders & Seams							
Top of bedrock @ 21.5'									
25		Run#1: BXGDC, 21.5'-25.5', Rec. = 2.0', See Geologist's Report.	1	50	0	40			
30		Run#2: BXGDC, 25.5'-30.5', Rec. = 2.0', See Geologist's Report.	2	40	0	40			
35		Run#3: BXGDC, 30.5'-35.5', Rec. = 2.9', See Geologist's Report.	3	58	45	40			

Hole stopped @ 35.5'

DRILLER'S NOTES:

Water elev. @ 5.5' (8/14/01)

GEOLOGIST'S REPORT:

Run#1: Gray quartz sericite schist, Hard, Unweathered, Poor Recovery and ROD may be due to mechanical breakage.
Run#2: Same as Run#1.
Run#3: Same as Run#1.

SURVEYED BY: J. TOUCHETTE DATE: 10/01
DRAWN BY: C.C. BENDA
SQUAD LEADER: C.C. BENDA
DESIGN FILE NO.: /M&R/89J045/mj045bor.dgn
IPARM FILE: 89J045/sj045b03.I DATE PLOTTED: 11-FEB-2005
PROJ. NAME: HARTFORD
PROJ. NO.: BTN 2004 (I)
SHEET 29 OF 97 SHEETS