

CHA CLOUGH, HARBOUR & ASSOCIATES LLP		Bennington-Hoosick D.P.I. 0146(II)				
SUBSURFACE LOG HOLE NUMBER B-650		SUBSURFACE LOG HOLE NUMBER B-650				
PROJECT NUMBER: 3573.07.01 MAY 1995		PAGE 1 OF 1				
LOCATION: Station: 16+901.0 Offset: 32.3m r/r		DRILL FLUID: WATER DRILLING METHOD: OJOM FJC				
CLIENT: VAOT		DATE: 5-18-95 TIME: 12:00 WATER DEPTH: 1.4m CASING BOTTOM: 7.5m HOLE BOTTOM: 10.8m				
CONTRACTOR: ATLANTIC TESTING		WATER LEVEL OBSERVATIONS DURING DRILLING				
DRILLER: M. H. INSPECTOR: H. SIMPSON						
START DATE: 5/18/95 FINISH DATE: 5/18/95						
SURFACE ELEV.: 173.3m CHECKED BY: CAR						
SAMP. NO.	DEPTH (M)	RECOVERY	DESCRIPTION AND CLASSIFICATION	ELEVATION (M)	REMARKS ON CHARACTER OF DRILLING, WATER RETURN, ETC.	WATER LEVELS AND/OR WELL DATA
S1	0.1m	100%	f. SAND and SILT, trace roots, brown, v. loose, moist (A-4)	173.0		
S2	0.2m	100%	grades to trace m. sand, brown, v. loose, moist (A-4)	172.5		
S3	0.3m	100%	f. SAND and f. GRAVEL, little c. gravel, little silt, brown, medium dense, wet (A-1-A)	172.0		
S4	0.4m	100%	f. SAND, little f. gravel, trace c. gravel, trace silt, brown, medium dense, wet (A-1-A)	171.5		
S5	0.5m	100%	f. SAND, some m.c. sand, little c. gravel, trace silt, brown, medium dense, wet (A-1-A)	171.0		
S6	0.6m	100%	f. SAND, little silt, gray, loose, wet (A-1-A)	170.5		
S7	0.7m	100%	f. SAND, little silt, gray, loose, wet (A-1-A)	169.5		
S8	0.8m	100%	f. SAND and SILT, little f. gravel, gray, v. stiff, wet (A-1-A)	168.5		
S9	0.9m	100%	DOLOSTONE, with trace calcite and quartz veining, gray, medium hard, slight weathering, thick bedding, close fracturing, fair RQD	167.5		
R1	1.52m	NA	SAME AS ABOVE, MODERATE WEATHERING	165.5		
R2	1.52m	NA	BOTTOM OF BORING AT 10.82 METERS.	162.5		

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SUBSURFACE LOG HOLE NUMBER B-660		SUBSURFACE LOG HOLE NUMBER B-660				
PROJECT NUMBER: 3573.07.01 MAY 1995		PAGE 01 OF 1				
LOCATION: Station: 16+901.1 OFFSET: 24.4m r/r		DRILL FLUID: WATER DRILLING METHOD: OJOM FJC				
CLIENT: VAOT		DATE: 5-17-95 TIME: 07:05 WATER DEPTH: 1.3m CASING BOTTOM: 9.6m HOLE BOTTOM: 12.8m				
CONTRACTOR: ATLANTIC TESTING		WATER LEVEL OBSERVATIONS DURING DRILLING				
DRILLER: M. H. INSPECTOR: H. SIMPSON						
START DATE: 5/17/95 FINISH DATE: 5/17/95						
SURFACE ELEV.: 173.1m CHECKED BY: CAR						
SAMP. NO.	DEPTH (M)	RECOVERY	DESCRIPTION AND CLASSIFICATION	ELEVATION (M)	REMARKS ON CHARACTER OF DRILLING, WATER RETURN, ETC.	WATER LEVELS AND/OR WELL DATA
S1	0.1m	100%	f. SAND and SILT, little roots, brown, soft, moist (A-4)	173.0		
S2	0.2m	100%	SILT and f. SAND, little roots, brown, soft, moist (A-4)	172.5		
S3	0.3m	100%	m.c. SAND, little silt, trace f. gravel, brown, v. loose, moist/wet (A-1-A)	172.0		
S4	0.4m	100%	grades to little f. sand, little f. gravel, little silt, trace c. gravel, brown, medium dense, wet (A-1-A)	171.5		
S5	0.5m	100%	f. SAND and f. GRAVEL, little silt, brown, medium dense, wet (A-1-A)	171.0		
S6	0.6m	100%	Same as Above (A-1-A)	170.5		
S7	0.7m	100%	f. c. GRAVEL and f. SAND, little silt, brown, v. loose, wet (A-1-A)	169.5		
S8	0.8m	100%	SILT, some f.m. sand, gray, medium dense, wet (A-1-A)	168.5		
S9	0.9m	100%	grades with trace f. sand (A-4)	167.5		
S10	1.0m	100%	f. SAND, some SILT, little f. gravel, gray, medium dense, wet (A-1-A)	166.5		
R1	1.52m	NA	DOLOSTONE, little calcite veining, trace calcite veining, vertical and horizontal fractures, gray, medium hard, slight weathering, thick bedding, medium fracturing, fair RQD	165.5	Laboratory AASHTO Classification performed on S8, Non-Plastic.	
R2	1.52m	NA	RQD becomes good, trace pyrite	162.5		
R3	1.52m	NA	BOTTOM OF BORING AT 13.11 METERS.	159.5		

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SUBSURFACE LOG HOLE NUMBER B-670		SUBSURFACE LOG HOLE NUMBER B-670				
PROJECT NUMBER: 3573.07.01 MAY 1995		PAGE 1 OF 1				
LOCATION: Station: 16+964.6 Offset: 36.3m r/r		DRILL FLUID: WATER DRILLING METHOD: OJOM FJC				
CLIENT: VAOT		DATE: 6-9-95 TIME: 06:30 WATER DEPTH: 0.3m CASING BOTTOM: 10.0m HOLE BOTTOM: 10.7m				
CONTRACTOR: ATLANTIC TESTING		WATER LEVEL OBSERVATIONS DURING DRILLING				
DRILLER: M. H. INSPECTOR: S. M.						
START DATE: 6/9/95 FINISH DATE: 6/11/95						
SURFACE ELEV.: 171.6m CHECKED BY: CAR						
SAMP. NO.	DEPTH (M)	RECOVERY	DESCRIPTION AND CLASSIFICATION	ELEVATION (M)	REMARKS ON CHARACTER OF DRILLING, WATER RETURN, ETC.	WATER LEVELS AND/OR WELL DATA
S1	0.1m	100%	f. SAND and f. GRAVEL, little silt, brown, loose, wet (A-1-A)	171.5		
S2	0.2m	100%	grades to little f. c. gravel, little silt, brown, medium dense, wet (A-1-A)	171.0		
S3	0.3m	100%	f. GRAVEL and f. SAND, little silt, little c. gravel, brown, medium dense, wet (A-1-A)	170.5		
S4	0.4m	100%	m.c. SAND, little silt, little f. gravel, trace c. gravel, brown, v. loose, wet (A-1-A)	169.5		
S5	0.5m	100%	f. SAND, little f. c. gravel, little silt, brown, loose, wet (A-1-A)	169.0		
S6	0.6m	100%	SILT, little f. sand, gray, m. stiff, wet (A-1-A)	168.5		
S7	0.7m	100%	becomes soft (A-1-A)	168.0		
S8	0.8m	100%	f. SAND, some SILT, gray, loose, wet (A-2-A)	167.5		
S9	0.9m	100%	Same as Above (A-2-A)	167.0		
S10	1.0m	100%	Same as Above (A-2-A)	166.5		
S11	1.1m	100%	Same as Above (A-2-A)	166.0		
S12	1.2m	100%	Same as Above (A-2-A)	165.5		
S13	1.3m	100%	Same as Above (A-2-A)	165.0		
S14	1.4m	100%	Same as Above (A-2-A)	164.5		
S15	1.5m	100%	Same as Above (A-2-A)	164.0		
S16	1.6m	100%	Same as Above (A-2-A)	163.5		
S17	1.7m	100%	Same as Above (A-2-A)	163.0		
S18	1.8m	100%	Same as Above (A-2-A)	162.5		
S19	1.9m	100%	Same as Above (A-2-A)	162.0		
S20	2.0m	100%	Same as Above (A-2-A)	161.5		
S21	2.1m	100%	Same as Above (A-2-A)	161.0		
S22	2.2m	100%	Same as Above (A-2-A)	160.5		
S23	2.3m	100%	Same as Above (A-2-A)	160.0		
S24	2.4m	100%	Same as Above (A-2-A)	159.5		
S25	2.5m	100%	Same as Above (A-2-A)	159.0		
S26	2.6m	100%	Same as Above (A-2-A)	158.5		
S27	2.7m	100%	Same as Above (A-2-A)	158.0		
S28	2.8m	100%	Same as Above (A-2-A)	157.5		
S29	2.9m	100%	Same as Above (A-2-A)	157.0		
S30	3.0m	100%	Same as Above (A-2-A)	156.5		
S31	3.1m	100%	Same as Above (A-2-A)	156.0		
S32	3.2m	100%	Same as Above (A-2-A)	155.5		
S33	3.3m	100%	Same as Above (A-2-A)	155.0		
S34	3.4m	100%	Same as Above (A-2-A)	154.5		
S35	3.5m	100%	Same as Above (A-2-A)	154.0		
S36	3.6m	100%	Same as Above (A-2-A)	153.5		
S37	3.7m	100%	Same as Above (A-2-A)	153.0		
S38	3.8m	100%	Same as Above (A-2-A)	152.5		
S39	3.9m	100%	Same as Above (A-2-A)	152.0		
S40	4.0m	100%	Same as Above (A-2-A)	151.5		
S41	4.1m	100%	Same as Above (A-2-A)	151.0		
S42	4.2m	100%	Same as Above (A-2-A)	150.5		
S43	4.3m	100%	Same as Above (A-2-A)	150.0		
S44	4.4m	100%	Same as Above (A-2-A)	149.5		
S45	4.5m	100%	Same as Above (A-2-A)	149.0		
S46	4.6m	100%	Same as Above (A-2-A)	148.5		
S47	4.7m	100%	Same as Above (A-2-A)	148.0		
S48	4.8m	100%	Same as Above (A-2-A)	147.5		
S49	4.9m	100%	Same as Above (A-2-A)	147.0		
S50	5.0m	100%	Same as Above (A-2-A)	146.5		
S51	5.1m	100%	Same as Above (A-2-A)	146.0		
S52	5.2m	100%	Same as Above (A-2-A)	145.5		
S53	5.3m	100%	Same as Above (A-2-A)	145.0		
S54	5.4m	100%	Same as Above (A-2-A)	144.5		
S55	5.5m	100%	Same as Above (A-2-A)	144.0		
S56	5.6m	100%	Same as Above (A-2-A)	143.5		
S57	5.7m	100%	Same as Above (A-2-A)	143.0		
S58	5.8m	100%	Same as Above (A-2-A)	142.5		
S59	5.9m	100%	Same as Above (A-2-A)	142.0		
S60	6.0m	100%	Same as Above (A-2-A)	141.5		
S61	6.1m	100%	Same as Above (A-2-A)	141.0		
S62	6.2m	100%	Same as Above (A-2-A)	140.5		
S63	6.3m	100%	Same as Above (A-2-A)	140.0		
S64	6.4m	100%	Same as Above (A-2-A)	139.5		
S65	6.5m	100%	Same as Above (A-2-A)	139.0		
S66	6.6m	100%	Same as Above (A-2-A)	138.5		
S67	6.7m	100%	Same as Above (A-2-A)	138.0		
S68	6.8m	100%	Same as Above (A-2-A)	137.5		
S69	6.9m	100%	Same as Above (A-2-A)	137.0		
S70	7.0m	100%	Same as Above (A-2-A)	136.5		
S71	7.1m	100%	Same as Above (A-2-A)	136.0		
S72	7.2m	100%	Same as Above (A-2-A)	135.5		
S73	7.3m	100%	Same as Above (A-2-A)	135.0		
S74	7.4m	100%	Same as Above (A-2-A)	134.5		
S75	7.5m	100%	Same as Above (A-2-A)	134.0		
S76	7.6m	100%	Same as Above (A-2-A)	133.5		
S77	7.7m	100%	Same as Above (A-2-A)	133.0		
S78	7.8m	100%	Same as Above (A-2-A)	132.5		
S79	7.9m	100%	Same as Above (A-2-A)	132.0		
S80	8.0m	100%	Same as Above (A-2-A)	131.5		
S81	8.1m	100%	Same as Above (A-2-A)	131.0		
S82	8.2m	100%	Same as Above (A-2-A)	130.5		
S83	8.3m	100%	Same as Above (A-2-A)	130.0		
S84	8.4m	100%	Same as Above (A-2-A)	129.5		
S85	8.5m	100%	Same as Above (A-2-A)	129.0		
S86	8.6m	100%	Same as Above (A-2-A)	128.5		
S87	8.7m	100%	Same as Above (A-2-A)	128.0		
S88	8.8m	100%	Same as Above (A-2-A)	127.5		
S89	8.9m	100%	Same as Above (A-2-A)	127.0		
S90	9.0m	100%	Same as Above (A-2-A)	126.5		
S91	9.1m	100%	Same as Above (A-2-A)	126.0		
S92	9.2m	100%	Same as Above (A-2-A)	125.5		
S93	9.3m	100%	Same as Above (A-2-A)	125.0		
S94	9.4m	100%	Same as Above (A-2-A)	124.5		
S95	9.5m	100%	Same as Above (A-2-A)	124.0		
S96	9.6m	100%	Same as Above (A-2-A)	123.5		
S97	9.7m	100%	Same as Above (A-2-A)	123.0		
S98	9.8m	100%	Same as Above (A-2-A)	122.5		
S99	9.9m	100%	Same as Above (A-2-A)	122.0		
S100	10.0m	100%	Same as Above (A-2-A)	121.5		
R1	10.7m	NA	DOLOSTONE, little calcite veining, gray, slight weathering, thick bedding, close fracturing, poor RQD	150.5		

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SUBSURFACE LOG HOLE NUMBER B-670		SUBSURFACE LOG HOLE NUMBER B-670				
PROJECT NUMBER: 3573.07.01 MAY 1995		PAGE 2 OF 2				
LOCATION: Station: 16+964.6 Offset: 36.3m r/r		DRILL FLUID: WATER DRILLING METHOD: OJOM FJC				
CLIENT: VAOT		DATE: 6-9-95 TIME: 06:30 WATER DEPTH: 0.3m CASING BOTTOM: 10.0m HOLE BOTTOM: 10.7m				
CONTRACTOR: ATLANTIC TESTING		WATER LEVEL OBSERVATIONS DURING DRILLING				
DRILLER: M. H. INSPECTOR: S. M.						
START DATE: 6/9/95 FINISH DATE: 6/11/95						
SURFACE ELEV.: 171.6m CHECKED BY: CAR						
SAMP. NO.	DEPTH (M)	RECOVERY	DESCRIPTION AND CLASSIFICATION	ELEVATION (M)	REMARKS ON CHARACTER OF DRILLING, WATER RETURN, ETC.	WATER LEVELS AND/OR WELL DATA
R3	1.52m	NA	Same as Above	149.5		
R4	1.52m	NA	Same as Above	148.5		
R5	1.52m	NA	Same as Above	147.5		
R6	1.52m	NA	Same as Above	146.5		
R7	1.52m	NA	Same as Above	145.5		
R8	1.52m	NA	Same as Above	144.5		
R9	1.52m	NA	Same as Above	143.5		
R10	1.52m	NA	Same as Above	142.5		
R11	1.52m	NA	Same as Above	141.5		
R12	1.52m	NA	Same as Above	140.5		
R13	1.52m	NA	Same as Above	139.5		
R14	1.52m	NA	Same as Above	138.5		
R15	1.52m	NA	Same as Above	137.5		
R16	1.52m	NA	Same as Above			