EPA Contract No. 68-W6-0042
EPA Work Assignment No. 122-RICO-01N9

EPA Project Officer: Diana King
EPA Remedial Project Manager: Leslie McVickar

Final Remedial Investigation

Volume II
Appendices A-Z

Pownal Tannery Superfund Site
Pownal, Vermont

July 2002

Prepared By

Metcalf & Eddy, Inc.
30 Harvard Mill Square
Wakefield, Massachusetts 01880

Team Subcontractor
TRC Environmental Corporation
Boott Mills South, Foot of John Street
Lowell, Massachusetts 01852

EPA CONTRACT NO. 68-W6-0042
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FINAL

REMEDIAL INVESTIGATION REPORT

Volume II - Appendices

Pownal Tannery Superfund Site
Pownal, Vermont

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Appendix A
Boring Logs and Well Construction Diagrams

TRC ENVIRONMENTAL
Foot of John Street, Boott Mills South
Lowell, MA 01852
Telephone: (978) 970-5600
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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL1-01
OCATION Lagoon 1
DATE DRILLED 3/30/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 508.51
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 12.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 496.51
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL1-01/0.0-0.5			Brown, very fine SAND, little silt, trace sand and gravel, roots/leaves. (Fill)		ARE39 MALR71 DAMS59	
2	NA	2.6/4		SW SM			0		
3									
4									
5				SW SM		Brown, moist, very fine SAND, little silt. (Fill)			
6	NA	3.6/4				Black, moist, organic SILT, trace very fine sand. (Fill)	126		
7				OL					
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL1-01

DATE DRILLED 3/30/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
									Boring backfilled with bentonite
						Black, moist, very fine SAND, little silt. (Fill)			
9				SW SM					
10	NA	3.6/4	SBL1-01/9.0-12.0				1026	ARE40 MALR72 DAMS60	
						Turns to gray, moist, organic SILT, trace clay, distinct varves of black, gray, white, red and blue layers. (Fill)			
11				OL					
12				SW SM		Black, moist, very fine SAND, little silt. Very sharp change between gray varved silt/clay and bottom 0.1' of black very fine sand.			
				SW SM					
13						Black, saturated, very fine to fine SAND, trace silt.			
				SW SM					
14	NA	2.8/4				Black, saturated, poorly sorted SAND, little gravel, trace silt.	550		
15				SP GP					
16						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL1-02
OCATION Lagoon 1
DATE DRILLED 3/30/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 504.03
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 11.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 493.03
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
0			SBL1-02/0.0-0.5	CL		Gray, moist, CLAY, roots/leaves, trace gravel. (Fill)		ARE37 MALR62 DAMS57	
1									
2	NA	3/4		CL		Gray, moist, CLAY, roots/leaves, trace gravel. (Fill)	2		
3									
4				OL		Black, moist, organic SILT, hair. (Fill) Thin layer of lyme(?) above black layer.			
5						Black/gray, moist, organic SILT, hair. (Fill)			
6	NA	1.3/4		OL			860		Boring backfilled with bentonite
7									
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL1-02

DATE DRILLED 3/30/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9	NA	3.3/4	SBL1-02/7.0-10.0	OL		Black/gray, moist, organic, SILT, hair. (Fill)	170	ARE38 MALR70 DAMS58	
10				OL					
11				SP GP		Black, saturated, poorly sorted, SAND and GRAVEL.			
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL1-03
LOCATION Lagoon 1
DATE DRILLED 3/30/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 504.71
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 10.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 494.71
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL1-03/0.0-0.5	CL				ARE41 MALR73 DAMS62	
2	NA	2.4/4		CL		Brown/gray, moist, CLAY, leaves/roots. (Fill)	0		
3									
4				OL		Black, moist, organic SILT, trace very fine sand, hair. (Fill)			
5						Black/blue, moist, organic SILT, white particles, hair. (Fill)			
6	NA	1.9/4	SBL1-03/4.0-7.0	OL			7600	ARE42 MALR74 DAMS63	Boring backfilled with bentonite
7									
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL1-03

DATE DRILLED 3/30/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9				OL					
				OL		Blue, moist, organic, SILT, hair. (Fill)			
10	NA	2.5/4		SW GW		Black, saturated, poorly sorted SAND and GRAVEL, trace silt. ▼	580		
11									
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL1-04
LOCATION Lagoon 1
DATE DRILLED 4/23/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Tripod
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 504.34
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) Boring located in flooded region of lagoon.
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1						Brown, saturated, poorly sorted SAND and GRAVEL. (Fill)			
2	NA	.5/4		SW GW			120		
3									
4						Black/blue, moist, organic SILT, hair. (Fill)			
5									
6	NA	4/4	SBL1-04/5.0-8.0	OL			5300	DAM41 ARE20 MALR52	Boring backfilled with bentonite
7									
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL1-04

DATE DRILLED 4/23/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9						Black, moist, organic SILT, hair. Gravel in tip. (Fill)			
10	NA	1/4		OL			1550		
11									
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL1-05
LOCATION Lagoon 1
DATE DRILLED 4/23/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Sledgehammer
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 503.69
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) Boring located in flooded region of lagoon.
LOGGED BY Jim Leonard
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
0						Gray, organic SILT, leaves/roots. (Fill)			
1									
2	NA	1/4		OL					
3									
4				OL		Black/blue, organic SILT. (Fill)			
						Blue/gray, moist, organic SILT, hair. (Fill)			Boring backfilled with bentonite
5									
6	NA	4/4	SBL1-05/5.0-8.0	OL			141	DAM42 ARE21 MALR53	
7									
8	NA	.1/4		GP		Black, saturated, GRAVEL. End of boring.			
9									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL1-06
LOCATION Lagoon 1
DATE DRILLED 4/23/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Sledgehammer
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 504.18
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) Boring located in flooded region of lagoon.
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1				CL		Brown/gray, moist, CLAY, roots/leaves. (Fill)			
2	NA	2.5/4		CL		Brown/gray, moist, CLAY, organics. (Fill)	3200		
3				OL		Black/gray, moist ,organic SILT, hair. (Fill)			
4									
5						Black/blue, moist, organic SILT, little clay, hair. (Fill)			
6	NA	4/4		OL			6500		Boring backfilled with bentonite
7									
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL1-06

DATE DRILLED 4/23/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9	NA	3/4		OL		Black/blue, moist, organic SILT, trace clay. (Fill)	2600		
10				OL					
11									
12				GP SP		Black, poorly sorted, SAND and GRAVEL.			
						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER	02136-0220-01N93	**BORING/WELL NUMBER**	SBL1-07
LOCATION	Lagoon 1	**DATE DRILLED**	4/20/00
DRILLING CONTRACTOR	Earth Exploration	**CASING TYPE/DIAMETER**	NA
DRILLING METHOD	Geoprobe	**SCREEN TYPE/SLOT**	NA
SAMPLING METHOD	Direct Push 4 foot PVC liner (2" diam.)	**FILTER PACK TYPE**	NA
GROUND ELEVATION	504.71	**SEAL TYPE**	NA
TOP OF CASING	NA	**DEPTH TO WATER (Feet)**	7.50
LOGGED BY	Sandy Weymouth	**GROUND WATER ELEVATION**	497.21

REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1				CL					
2	NA	2/4		CL		Brown/gray, CLAY, leaves/roots. Overlying a .2' layer of lyme(?). (Fill)	170		
						Brown/black, moist, organic SILT, hair. (Fill)			
3				OL					Boring backfilled with bentonite
4				OL					
						Black/blue/gray, moist, organic SILT, hair. (Fill)			
5									
6	NA	3.9/4	SBL1-07/4.0-7.0	OL			3300	DAMS69 ARE47 MALR79	
7									
				GP GM		Black, saturated, GRAVEL and SILT, little sand.			
8						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 | **BORING/WELL NUMBER** SBL1-08

LOCATION Lagoon 1 | **DATE DRILLED** 4/20/00

DRILLING CONTRACTOR Earth Exploration | **CASING TYPE/DIAMETER** NA

DRILLING METHOD Geoprobe | **SCREEN TYPE/SLOT** NA

SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.) | **FILTER PACK TYPE** NA

GROUND ELEVATION 504.57 | **SEAL TYPE** NA

TOP OF CASING NA | **DEPTH TO WATER (Feet)** 8.00

LOGGED BY Sandy Weymouth | **GROUND WATER ELEVATION** 496.57

REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
0				CL					
1			SBL1-08/0.0-0.5	CL		Brown, moist, CLAY, roots/leaves. Lyme(?) at bottom. (Fill)			
				OL		Black/blue, moist, organic SILT, trace sand, hair. (Fill)		DAMT27	
2	NA	3.3/4					2700		
3			SBL1-08/2.0-4.0					DAMT28 AQN89 MALS14	
4									
5				OL					
				OL		Black/blue, moist, organic SILT, little sand, trace gravel, hair. (Fill)			
6	NA	2.5/4				Black, moist, fine to coarse SAND and GRAVEL.	340		C
7				SW GW					
8						▼			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL1-08

DATE DRILLED 4/20/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9						Black, saturated, fine to coarse SAND and GRAVEL.			
10	NA	2.5/4		SW GW			28		
11									
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER	02136-0220-01N93	**BORING/WELL NUMBER**	SBL1-09
LOCATION	Lagoon 1	**DATE DRILLED**	4/20/00
DRILLING CONTRACTOR	Earth Exploration	**CASING TYPE/DIAMETER**	NA
DRILLING METHOD	Geoprobe	**SCREEN TYPE/SLOT**	NA
SAMPLING METHOD	Direct Push 4 foot PVC liner (2" diam.)	**FILTER PACK TYPE**	NA
GROUND ELEVATION	504.56	**SEAL TYPE**	NA
TOP OF CASING	NA	**DEPTH TO WATER (Feet)**	6.40
LOGGED BY	Sandy Weymouth	**GROUND WATER ELEVATION**	498.16

REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1				CL					
2	NA	2/4	SBL1-09/2.0-4.0	OL		Brown/gray, moist, CLAY, trace sand and gravel, organics. Overlying a .2' layer of lyme(?). (Fill)	2000		
3				OL		Black/blue, moist, organic SILT, hair. (Fill)		DAMT28 AQN87 MALS14	
4				OL					
5				OL		Black/blue/gray, moist, organic SILT, hair. (Fill)			
6	NA	2.8/4		GP GM		Black, saturated, SILT and GRAVEL, trace sand.	1200		Boring backfilled with bentonite
7									
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL1-09

DATE DRILLED 4/20/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9						Black, saturated, poorly sorted SAND and GRAVEL, little silt.			
10	NA	2.6/4		GW SW			180		
11									
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL1-10
LOCATION Lagoon 1
DATE DRILLED 4/20/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 504.45
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 8.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 496.45
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1						Brown/gray, moist, CLAY, trace sand and gravel, leaves/roots. (Fill)			
2	NA	1.4/4		CL			107		
3									
4						Black/blue, moist, organic SILT. (Fill)			
5									
6	NA	3.2/4		OL			7200		Boring backfilled with bentonite
7			SNL1-10/6.0-8.0					DAMT66 AQN92 MALS17	
8						▼			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL1-10

DATE DRILLED 4/20/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9				OL					
10	NA	1.8/4					1540		
				OL		Black, saturated, organic SILT. (Fill)			
				SP		Black, saturated, coarse SAND, little silt, trace gravel.			
11									
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL1-11
LOCATION Lagoon 1
DATE DRILLED 3/30/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 507.84
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 11.80
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 496.04
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL1-11/0.0-0.5	CL		Brown, moist, CLAY to very fine SAND, little silt, trace fine to medium sand, leaves/roots. (Fill)		ARE43 MALR75 DAMS64	
2	NA	2.5/4		CL		Brown, moist, CLAY to very fine SAND, little silt, trace fine to medium sand, leaves/roots. (Fill)	0		
3									
4				OL		Black/blue, moist, organic SILT, hair and white particles. (Fill)			
5						Black/blue/white, moist, organic SILT, hair and white particles.			
6	NA	4/4		OL			3500		Boring backfilled with bentonite
7									
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL1-11

DATE DRILLED 3/30/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9						Black/blue/gray, moist, organic SILT, white particles, hair. (Fill)			
10	NA	4/4	SBL1-11/8.0-11.0	OL			8000	ARE44 MALR76 DAMS65	
11									
12				GW SW		Black, saturated, poorly sorted, SAND and GRAVEL, trace silt. End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 | **BORING/WELL NUMBER** SBL1-12

LOCATION Lagoon 1 | **DATE DRILLED** 9/6/00

DRILLING CONTRACTOR Earth Exploration | **CASING TYPE/DIAMETER** NA

DRILLING METHOD Geoprobe | **SCREEN TYPE/SLOT** NA

SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.) | **FILTER PACK TYPE** NA

GROUND ELEVATION 503.50 | **SEAL TYPE** NA

TOP OF CASING NA | **DEPTH TO WATER (Feet)** NA

LOGGED BY Chris Brady | **GROUND WATER ELEVATION**

REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL1-12/0.0-0.5	SW SM		Brown, fine SAND and SILT, some angular gravel, black staining.		D00016	
2	NA	4/4				Black, organic SILT and CLAY, hair.	412		
3				OL					
4						Black, organic SILT and CLAY, hair.			
5				OL		Black/blue, organic SILT and CLAY, hair.			
6	NA	4/4	SBL1-12/5.0-8.0				5252		Boring backfilled with bentonite
7				OL				D00080	
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL1-12

DATE DRILLED 9/6/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9	NA	3/4		OL		Black, organic SILT and CLAY, hair.			
10				OL					
11				GM		Black, angular GRAVEL, some silt and clay.			
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL1-13
LOCATION Lagoon 1
DATE DRILLED 9/1/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 508.60
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 4.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 504.60
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
0				SW SM					
1						Brown, moist, fine to medium SAND, little gravel, trace silt, roots.			
2	NA	3.5/4		SW SM			19.5		
3									
				OL		Black, moist, organic SILT, trace fine sand. ▼			
4				OL					
						Black, saturated, organic SILT, trace gravel, hair.			
5									
6	NA	3.7/4	SBL1-13/6.0-8.0	OL			263		
7								D00018	
8				OL					
						Black, saturated, organic SILT, hair.			
9									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL1-13

DATE DRILLED 9/1/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
10	NA	3.6/4		OL			726		Boring backfilled with bentonite
11				SW SM		Brown/green, saturated, fine SAND, some fine to coarse gravel, trace silt.			
12				OL		Black, saturated, organic SILT.			
13				OL		Black, saturated, organic SILT, some fine sand, trace gravel.			
14	NA	4/4					584		
15				SP GP		Brown/black, saturated, fine to coarse SAND and GRAVEL.			
16									
17						Black/gray, saturated, SILT and GRAVEL, some fine to coarse sand.			
18	NA	4/4		GM			420		
19									
20						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 | **BORING/WELL NUMBER** SBL1-14

OCATION Lagoon 1 | **DATE DRILLED** 9/5/00

DRILLING CONTRACTOR Earth Exploration | **CASING TYPE/DIAMETER** NA

DRILLING METHOD Geoprobe | **SCREEN TYPE/SLOT** NA

SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.) | **FILTER PACK TYPE** NA

GROUND ELEVATION 506.10 | **SEAL TYPE** NA

TOP OF CASING NA | **DEPTH TO WATER (Feet)** 12.00

LOGGED BY Sandy Weymouth | **GROUND WATER ELEVATION** 494.10

REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1				SW					
2	NA	2.7/4		SW		Brown, moist, fine to medium SAND, little gravel, some roots at top.	0		
3									
4				SW GW					
5				SW GW		Brown/gray, dry, fine to coarse SAND and GRAVEL.			
6	NA	3/4		OL		Black/blue/gray, moist, organic SILT, hair.	22,000		Boring backfilled with bentonite
7									
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL1-14

DATE DRILLED 9/5/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9			SBL1-14/8.0-11.0			Black/blue/gray, moist, organic SILT, hair. Trace sand and gravel at tip.		D00019	
10	NA	4/4		OL			0		
11									
12	NA	1/1		GM		Black, saturated GRAVEL and SILT, little coarse sand.	0		
13						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL1-15
LOCATION Lagoon 1
DATE DRILLED 9/6/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 504.20
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 8.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 496.20
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1						No recovery.			
2	NA	0/4							
3									
4						No recovery.			
5									
6	NA	0/4							Boring backfilled with bentonite
7									
8						▼			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL1-15

DATE DRILLED 9/6/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9	NA	2.5/4	SBL1-15/8.0-10.0	OL			3200	D00020	
10				OL		Black/gray, saturated, organic SILT and CLAY, hair. Layer of leaves at bottom.			
11				GW		Black, saturated, fine to coarse GRAVEL, little fine to coarse sand and silt.			
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER	02136-0220-01N93	**BORING/WELL NUMBER**	SBL2-01
LOCATION	Lagoon 2	**DATE DRILLED**	3/29/00
DRILLING CONTRACTOR	Earth Exploration	**CASING TYPE/DIAMETER**	NA
DRILLING METHOD	Geoprobe	**SCREEN TYPE/SLOT**	NA
SAMPLING METHOD	Direct Push 4 foot PVC liner (2" diam.)	**FILTER PACK TYPE**	NA
GROUND ELEVATION	500.55	**SEAL TYPE**	NA
TOP OF CASING	NA	**DEPTH TO WATER (Feet)**	4.00
LOGGED BY	Sandy Weymouth	**GROUND WATER ELEVATION**	496.55

REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL2-01/0.0-0.5			Brown/gray, mottled, medium SAND, little coarse sand, trace fine sand and silt, organics. 0.2' layer of black, very fine sand/silt 1.2' from top. Second 0.0'- 4.0' interval collected: two 0.4' graded beds containing brown sands and gray/black fines.		ARE23 MALR55 DAMS44	
2	NA	3/4		SP SM			0		
3			SBL2-01/2.0-4.0					ARE24 MALR56 DAMS45	
4						▼			Boring backfilled with bentonite
5						Brown/gray, saturated, poorly sorted SAND and fine GRAVEL, trace silt.			
6	NA	2/4		GP SP			0		
7									
8						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL2-02
LOCATION Lagoon 2
DATE DRILLED 5/2/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Hand Auger
SCREEN TYPE/SLOT NA
SAMPLING METHOD Auger
FILTER PACK TYPE NA
GROUND ELEVATION 498.52
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) Boring located in flooded region of lagoon.
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1	NA	1/1	SBL2-02/0.0-0.5	SP GP		Brown, saturated, poorly sorted SAND and GRAVEL, hair.	0	DAMS89	
						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER	02136-0220-01N93	**BORING/WELL NUMBER**	SBL2-03
LOCATION	Lagoon 2	**DATE DRILLED**	3/29/00
DRILLING CONTRACTOR	Earth Exploration	**CASING TYPE/DIAMETER**	NA
DRILLING METHOD	Geoprobe	**SCREEN TYPE/SLOT**	NA
SAMPLING METHOD	Direct Push 4 foot PVC liner (2" diam.)	**FILTER PACK TYPE**	NA
GROUND ELEVATION	501.00	**SEAL TYPE**	NA
TOP OF CASING	NA	**DEPTH TO WATER (Feet)**	8.00
LOGGED BY	Sandy Weymouth	**GROUND WATER ELEVATION**	493.00

REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL2-03/0.0-0.5			Brown, saturated in bottom 1.0', poorly sorted SAND and GRAVEL, leaves/roots.		ARE25 MALR57 DAMS46	
2	NA	3.1/4		SP GP			0		
3									
4						Brown, saturated, poorly sorted SAND and GRAVEL, gravel is more rounded.			
5									
6	NA	2.6/4		SP GP			0		Boring backfilled with bentonite
7									
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL2-03

DATE DRILLED 3/29/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
				SW SM					
9			SBL2-03/9.0-12.0	SW SM		Black, saturated, very fine SAND, little silt.		ARE26 MALR58 DAMS47	
10	NA	3.7/4		SW SM		Brown, gray, very fine SAND and SILT, little clay.	0		
11									
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL2-04
OCATION Lagoon 2
DATE DRILLED 5/2/00
DRILLING CONTRACTOR
CASING TYPE/DIAMETER NA
DRILLING METHOD Hand Auger
SCREEN TYPE/SLOT NA
SAMPLING METHOD Auger
FILTER PACK TYPE NA
GROUND ELEVATION 498.24
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) Boring located in flooded region of lagoon.
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
	NA	1/1	SBL2-04/0.0-0.5	GP SP		Gray/brown, saturated, poorly sorted SAND and GRAVEL, hair.	0	DAMU04	
1						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL2-05
LOCATION Lagoon 2
DATE DRILLED 3/29/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 501.96
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 4.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 497.96
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL2-05/0.0-0.5			Brown/gray, saturated at bottom 1.0', very fine to fine SAND, leaves/roots.			
2	NA	2.9/4	SBLE2-05/0.0-0.5	SW			0	ARE29 MALR61 DAMS49 ARE30 MALR62 DAMS50	
3									
4			SBL2-05/3.0-5.0					ARE31 MALR63 DAMS51	
5				SW SM					
6	NA	2.6/4		SW SM		Brown, saturated, very fine SAND, trace silt.	0		Boring backfilled with bentonite
7				SP		Brown, saturated, poorly sorted SAND.			
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93

BORING/WELL NUMBER SBL2-05

DATE DRILLED 3/29/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9				GP GM					
						Black, saturated, poorly sorted GRAVEL and SILT.			
10	NA	3/4		GP GM			0		
11				SW SM		Brown, saturated, very fine SAND and SILT.			
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 | **BORING/WELL NUMBER** SBL2-06

LOCATION Lagoon 2 | **DATE DRILLED** 3/29/00

DRILLING CONTRACTOR Earth Exploration | **CASING TYPE/DIAMETER** NA

DRILLING METHOD Geoprobe | **SCREEN TYPE/SLOT** NA

SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.) | **FILTER PACK TYPE** NA

GROUND ELEVATION 499.77 | **SEAL TYPE** NA

TOP OF CASING NA | **DEPTH TO WATER (Feet)** 1.80

LOGGED BY Sandy Weymouth | **GROUND WATER ELEVATION** 497.97

REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL2-06/0.0-0.5					ARE32 MALR64 DAMS52	
2	NA	2.2/4		SP		Brown, saturated, fine SAND, trace gravel, leaves/roots.	0		
3				GP SP		Brown, saturated, poorly sorted SAND and GRAVEL.			
4						Brown/gray, saturated, poorly sorted SAND and GRAVEL, black at tip.			
5									
6	NA	2/4		GP SP			0		
7			SBL2-06/6.0-8.0					ARE33 MALR65 DAMS53	
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93

BORING/WELL NUMBER SBL2-06

DATE DRILLED 3/29/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9						Black, saturated, poorly sorted SAND and SILT.			Boring backfilled with bentonite
10	NA	3/4		SP SM			0		
11				SW SM		Gray, saturated, very fine SAND and SILT.			
12						Gray, saturated, very fine SAND and SILT.			
13									
14	NA	3.7/4		SW SM			0		
15									
16						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER	02136-0220-01N93	**BORING/WELL NUMBER**	SBL2-07
LOCATION	Lagoon 2	**DATE DRILLED**	3/29/00
DRILLING CONTRACTOR	Earth Exploration	**CASING TYPE/DIAMETER**	NA
DRILLING METHOD	Geoprobe	**SCREEN TYPE/SLOT**	NA
SAMPLING METHOD	Direct Push 4 foot PVC liner (2" diam.)	**FILTER PACK TYPE**	NA
GROUND ELEVATION	500.86	**SEAL TYPE**	NA
TOP OF CASING	NA	**DEPTH TO WATER (Feet)**	4.00
LOGGED BY	Sandy Weymouth	**GROUND WATER ELEVATION**	496.86

REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL2-07/0.0-0.5					DAMS55 ARE35 MALR67	
				SP		Brown, moist, fine to medium SAND, trace coarse sand, leaves/roots.			
2	NA	2.5/4				Brown/gray, moist, poorly sorted SAND and GRAVEL.	0		
3				GP SP					
4						▼ Black, saturated, poorly sorted SAND and GRAVEL, little silt.			
5									
6	NA	2.6/4		SP GP			0		
7									
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL2-07

DATE DRILLED 3/29/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9									
10	NA	2.8/4	SBL2-07/11.0-14.0	GP		Black, saturated, poorly sorted GRAVEL, little sand and silt.	0		Boring backfilled with bentonite
11				SW SM		Gray, saturated, very fine SAND and SILT.			
12						Gray, saturated, very fine SAND and SILT.		DAMS56 ARE36 MALR68	
13									
14	NA	3.1/4		SW SM			0		
15									
16						Gray, saturated, SAND and SILT.			
17									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL2-07

DATE DRILLED 3/29/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
18	NA	3.6/4		SW SM			0		
19									
20						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL2-08
LOCATION Lagoon 2
DATE DRILLED 9/13/00
DRILLING CONTRACTOR
CASING TYPE/DIAMETER NA
DRILLING METHOD Hand Auger
SCREEN TYPE/SLOT NA
SAMPLING METHOD Auger
FILTER PACK TYPE NA
GROUND ELEVATION 497.70
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) Boring located in flooded region of lagoon.
LOGGED BY John Hunt
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
0	NA		SBL2-08/0.0-0.5	SW SM		Gray/brown, saturated, fine SAND and SILT, trace gravel.	0		
1				SW		Yellow, coarse to medium SAND, some small gravel, trace silt, saturated.		D00024	
2	NA		SBL2-08/2.0-4.0				0		Boring backfilled with bentonite
3								D00023	
4						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL2-09
LOCATION Lagoon 2
DATE DRILLED 9/13/00
DRILLING CONTRACTOR
CASING TYPE/DIAMETER NA
DRILLING METHOD Hand Auger
SCREEN TYPE/SLOT NA
SAMPLING METHOD Auger
FILTER PACK TYPE NA
GROUND ELEVATION 498.10
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) Boring located in flooded region of lagoon.
LOGGED BY John Hunt
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
0			SBL2-098/0.0-0.5	SW SM		Dark brown/black, saturated, fine SAND and SILT, trace gravel.	0	D00026	
1									
2				SW		Brown, saturated, medium to coarse SAND, some small gravel.	0		Boring backfilled with bentonite
3			SBL2-098/2.0-4.0					D00025	
4						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 | **BORING/WELL NUMBER** SBL3A-01
LOCATION Lagoon 3A | **DATE DRILLED** 3/28/00
DRILLING CONTRACTOR Earth Exploration | **CASING TYPE/DIAMETER** NA
DRILLING METHOD Geoprobe | **SCREEN TYPE/SLOT** NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.) | **FILTER PACK TYPE** NA
GROUND ELEVATION 509.07 | **SEAL TYPE** NA
TOP OF CASING NA | **DEPTH TO WATER (Feet)** 4.00
LOGGED BY Sandy Weymouth | **GROUND WATER ELEVATION** 505.07
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL3A-01/0.0-0.5	GP SP		Brown, moist, poorly sorted SAND and GRAVEL, organics.		ARE18 MALR50 DAMS38	
2	NA	3.1/4		CL ML		Brown, moist, SILT and CLAY, trace sand and gravel.	73		
4				OL		Black/gray, saturated, very fine SAND and organic SILT, leaves. (Fill) Thin (.1') layer of lyme(?) at top.			
6	NA	3.7/4	SBL3A-01/6.0-8.0				4500	ARE19 MALR51 DAMS39	
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL3A-01

DATE DRILLED 3/28/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9						Gray/black, saturated, very fine SAND and organic SILT. (Fill)			
10	NA	2.2/4		OL			930		
11									
12									Boring backfilled with bentonite
13				OL					
14	NA	2.2/4		OL		Gray, saturated, very fine SAND and organic SILT.	381		
15				GP SP		Black, saturated, poorly sorted SAND and GRAVEL, trace silt.			
16						Black, saturated, poorly sorted GRAVEL and SILT.			
17									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL3A-01

DATE DRILLED 3/28/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
18	NA	3.2/4		GP GM			7.1		
19									
20				GP GM GP GM		Black/gray, saturated, poorly sorted GRAVEL, little silt.			
21						Gray, cohesive CLAY, trace very fine sand and silt.			
22	NA	3.8/4		CH			0		
23									
24						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL3A-02
LOCATION Lagoon 3A
DATE DRILLED 4/19/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 510.39
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 8.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 502.39
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1				CL					
2	NA	2.4/4		CL		Brown/gray, moist, CLAY, little sand and gravel, organics. (Fill)	0		
3									
4				OL		White, moist, lyme(?), little sand. (Fill)			
5				OL		Black, moist, organic SILT, little fine sand, trace gravel. (Fill)			
6	NA	2.4/4	SBL3A-02/6.0-9.0				404		
7								DAMT67 AQN93 MALS18	
8						▼			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL3A-02

DATE DRILLED 4/19/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9									Boring backfilled with bentonite
10	NA	2.2/4		OL		Black, saturated, organic SILT, little fine to medium sand. (Fill)	24		
11									
12						Black/gray, saturated, fine SAND, little silt.			
13									
14	NA	3/4		SW SM			66		
15									
16									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 | **BORING/WELL NUMBER** SBL3A-03
LOCATION Lagoon 3A | **DATE DRILLED** 4/19/00
DRILLING CONTRACTOR Earth Exploration | **CASING TYPE/DIAMETER** NA
DRILLING METHOD Geoprobe | **SCREEN TYPE/SLOT** NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.) | **FILTER PACK TYPE** NA
GROUND ELEVATION 509.27 | **SEAL TYPE** NA
TOP OF CASING NA | **DEPTH TO WATER (Feet)** 8.00
LOGGED BY Sandy Weymouth | **GROUND WATER ELEVATION** 501.27
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1						Brown/gray, moist, CLAY, little gravel and sand, leaves/roots. (Fill)			
2	NA	2.7/4		CL			7		
3									
4						Brown/gray, moist, CLAY, little gravel and sand. (Fill)			
				CL					
5						Black, moist, organic SILT, leaves, hair. (Fill)			
6	NA	4/4	SBL3A-03/5.0-7.0	OL			750	DAMT68 AQN94 MALS19	← Boring backfilled with bentonite
7						White quartz fragments.			
				GP					
8						▼			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL3A-03

DATE DRILLED 4/19/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9						Black/gray, saturated, poorly sorted SAND and GRAVEL, little silt.			
10	NA	2/4		GP SP			9		
11									
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL3B-01
LOCATION Lagoon 3B
DATE DRILLED 3/27/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 507.87
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 4.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 503.87
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL3B-01/0.0-0.5			Gray, moist, CLAY, little silt and very fine sand, trace gravel, leaves/roots. (Fill)		DAMS26 ARE06 MANF86	
2	NA	2.6/4		CL			140		
3									
4									
5				CL					
6	NA	1.4/4					1200		
7				CL		Gray, saturated, poorly sorted GRAVEL, little silt and clay. Overlying a thin layer of lyme(?). (Fill)			
				OL		Black/gray, organic SILT, trace clay, hair, pieces of hide. (Fill)			
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL3B-01

DATE DRILLED 3/27/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
			SBL3B-01/7.0-10.0	OL				DAMS27 ARE07 MANF87	Boring backfilled with bentonite
9				OL		Black saturated, organic SILT, little clay, trace very fine to fine sand. (Fill)			
10	NA	3.4/4					350		
				SW		Gray, saturated, well sorted. fine to medium SAND.			
11									
12				SW					
13				SW		Gray, saturated, well sorted fine to medium SAND.			
14	NA	2.8/4					0		
				SP GP		Black, poorly sorted, medium to coarse SAND, trace gravel.			
15				SP GP		Brown/gray, poorly sorted SAND and GRAVEL.			
16						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 | **BORING/WELL NUMBER** SBL3B-02
LOCATION Lagoon 3B | **DATE DRILLED** 3/27/00
DRILLING CONTRACTOR Earth Exploration | **CASING TYPE/DIAMETER** NA
DRILLING METHOD Geoprobe | **SCREEN TYPE/SLOT** NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.) | **FILTER PACK TYPE** NA
GROUND ELEVATION 508.67 | **SEAL TYPE** NA
TOP OF CASING NA | **DEPTH TO WATER (Feet)** 4.00
LOGGED BY Sandy Weymouth | **GROUND WATER ELEVATION** 504.67
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL3B-02/0.0-0.5	ML SP				DAMS28 ARE08 MANF88	
2	NA	2.9/4		ML SP		Brown/green, moist, SILT, little very fine sand, trace clay, leaves/roots.	0		
3									
4				SW		Brown, moist, very fine SAND, trace fine sand. ▼			
5				GP SP					
6	NA	1.5/4					16		
7				GP SP		Brown/gray, saturated, poorly sorted SAND and GRAVEL, little silt.			
8				GP SP		Black, saturated, poorly sorted GRAVEL, little sand, trace silt.			
9			SBL3B-02/8.0-10.0	GP SP				DAMS29 ARE09	

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL3B-02

DATE DRILLED 3/27/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
				GP SP		Black/gray, saturated, poorly sorted SAND and GRAVEL.		MANF89	
10	NA	3/4		SP SM		Black, saturated, fine SAND, trace very fine sand and silt, hair. (Fill)	407		
11				SW		Gray, saturated, fine SAND, trace very fine sand.			
12				SW SM					
13				SW SM		Gray, saturated, very fine SAND, trace fine sand, trace silt.			
14	NA	3.1/4					0		Boring backfilled with bentonite
15				GP SP		Black, saturated, poorly sorted SAND and GRAVEL, little silt.			
16				GP SP		Black, saturated, poorly sorted SAND and GRAVEL, little silt.			
17									
18	NA	2.8/4					6		
19									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL3B-02

DATE DRILLED 3/27/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
20									
				GP SP					
21						Black saturated, poorly sorted, SAND and rounded GRAVEL, little silt.			
22	NA	3/4		GP SP			0		
						Gray, saturated, poorly sorted SAND and GRAVEL, trace silt.			
23				GP SP					
24						Gray, saturated, very fine SAND grading into CLAY, trace silt and sand.			
25									
26	NA	4/4	SBL3B-02/26.0-28.0	CH			0		
27								DAMS30 ARE10 MANF90	
28						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 | **BORING/WELL NUMBER** SBL3B-03

LOCATION Lagoon 3B | **DATE DRILLED** 3/28/00

DRILLING CONTRACTOR Earth Exploration | **CASING TYPE/DIAMETER** NA

DRILLING METHOD Geoprobe | **SCREEN TYPE/SLOT** NA

SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.) | **FILTER PACK TYPE** NA

GROUND ELEVATION 510.30 | **SEAL TYPE** NA

TOP OF CASING NA | **DEPTH TO WATER (Feet)** 8.00

LOGGED BY Sandy Weymouth | **GROUND WATER ELEVATION** 502.30

REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL3B-03/0.0-0.5			Brown/gray, moist, poorly sorted SAND and GRAVEL, leaves/roots.		ARE11 MANF91 DAMS31	
2	NA	1.3/4		GP SP			0		
3									
4						Poor recovery, brown, moist, poorly sorted SAND and GRAVEL.			
5									
6	NA	0.1/4		GP SP			0		
7									
8				SW					
9						Brown, saturated, very fine SAND, little silt, little			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL3B-03

DATE DRILLED 3/28/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
10	NA	3.2/4	SBL3B-03/14.0-16.0	SW		fine-medium sand.	3.5		Boring backfilled with bentonite
11				OH		Black, saturated, very fine SAND, trace fine sand and silt. (Fill)			
12				OH					
13				OH		Black, saturated, very fine SAND, trace silt and fine sand. (Fill)			
14	NA	3.1/4					25		
15				OH		Black/gray, saturated, fine SAND, little medium to coarse sand, trace silt. (Fill)		ARE12 MANF92 DAMS32	
16									
17						Black, saturated, coarse SAND, grading into black, poorly sorted GRAVEL, trace silt.			
18	NA	1.8/4		GP SP			1.3		
19									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL3B-03

DATE DRILLED 3/28/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
20						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 | **BORING/WELL NUMBER** SBL3AB-01
LOCATION Lagoon 3AB | **DATE DRILLED** 3/28/00
DRILLING CONTRACTOR Earth Exploration | **CASING TYPE/DIAMETER** NA
DRILLING METHOD Geoprobe | **SCREEN TYPE/SLOT** NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.) | **FILTER PACK TYPE** NA
GROUND ELEVATION 509.50 | **SEAL TYPE** NA
TOP OF CASING NA | **DEPTH TO WATER (Feet)** 8.00
LOGGED BY Sandy Weymouth | **GROUND WATER ELEVATION** 501.50
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL3AB-01/0.0-0.5			Brown, moist, fine SAND, trace medium to coarse sand, trace gravel, organics. (Fill)		ARE13 MANF93 DAMS33	
2	NA	1.4/4		SP GP			0		
3									
4						Brown, moist, fine SAND, little very fine sand, trace medium to coarse sand. (Fill)			
5									
6	NA	0.5/4		SP			0		
7									
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL3AB-01

DATE DRILLED 3/28/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
				GP SP					Boring backfilled with bentonite
9				GP SP		Black, saturated, poorly sorted SAND and GRAVEL. (Fill)			
10	NA	3/4	SBL3AB-01/10.0-13.0	OL		Black, saturated, fine SAND, little very fine sand, trace silt. (Fill)	1010	ARE14 MANF94 DAMS34	
11									
12				OL					
13				OL		Black, saturated, fine SAND, little very fine sand, trace silt. (Fill)			
14	NA	3/4		OL		Gray, saturated, very fine SAND, trace silt, trace fine to medium sand. (Fil)	110		
15				GP SP		Black, saturated, poorly sorted SAND and GRAVEL, little silt.			
16						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-01
LOCATION Lagoon 4
DATE DRILLED 4/18/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 497.75
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet)
LOGGED BY John Hunt
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-01/0.0-0.5	SW SM		MottleD gray/brown, very fine SAND, little silt.		DAMS82 AQN65 MALR90	
2	NA	3.5/4				Gray, moist, very fine SAND, little silt. 2 inch layer of black-stained, very fine sand at tip.	0		
3				SW SM					
4						Gray, moist, very fine SAND, little silt, trace clay. Grading to a gray/dark brown, moist, very fine SAND, little silt, trace clay.			← Boring backfilled with bentonite
5									
6	NA	3.5/4		SW SM			0		
7									
8						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-02
LOCATION Lagoon 4
DATE DRILLED 5/2/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Sledghammer
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 495.15
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) Boring located in flooded region of lagoon.
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-02/0.5-1.0			Gray/black, saturated, very fine SAND, trace silt, organics.		DAMT96	
2	NA	1.7/4		SW SM			0		
3									
4									
5						Gray, saturated, very fine SAND, trace silt, organics.			
6	NA	3/4		SW SM			18		
7						Brown/gray, saturated, poorly sorted SAND and GRAVEL.			
				SP GP					
8						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-03
LOCATION Lagoon 4
DATE DRILLED 5/2/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Sledghammer
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 495.53
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) Boring located in flooded region of lagoon.
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1						Gray, saturated, very fine SAND, trace silt. Trace orange/brown, coarse sand in tip.			
2	NA	3/4		SW SM			0		
3									
4						Orange/brown, saturated, coarse SAND, little gravel.			
5									
	NA	2/3					0		
6				SP					
7									
						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER	02136-0220-01N93	**BORING/WELL NUMBER**	SBL4-04
LOCATION	Lagoon 4	**DATE DRILLED**	4/18/00
DRILLING CONTRACTOR	Earth Exploration	**CASING TYPE/DIAMETER**	NA
DRILLING METHOD	Geoprobe	**SCREEN TYPE/SLOT**	NA
SAMPLING METHOD	Direct Push 4 foot PVC liner (2" diam.)	**FILTER PACK TYPE**	NA
GROUND ELEVATION	503.78	**SEAL TYPE**	NA
TOP OF CASING	NA	**DEPTH TO WATER (Feet)**	8.00
LOGGED BY	John Hunt	**GROUND WATER ELEVATION**	495.78

REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-04/0.0-0.5			Dark brown, moist, fine silty SAND, organics. Grading to a fine brown SAND.		DAMS77 AQN60 MALR85 DAMS78 AQN61 MALR86	
2	NA	3/4		SW SM			2		
3									
4						Brown, moist, fine SAND, grading to a gray/brown, very fine SAND with silt.			
5									
6	NA	3/4		SW SM			2		
7									
8						▼			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-04

DATE DRILLED 4/18/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9						Brown, moist to wet, very fine SAND and SILT, trace clay. Grading to a coarse brown SAND with some gravel.			Boring backfilled with bentonite
10	NA	2.5/4		SW SM			2		
11									
12						Light brown, saturated, coarse SAND, little gravel.			
13	NA	2/2		SW			0		
14						End of boring.			
15									
16									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-05
LOCATION Lagoon 4
DATE DRILLED 3/23/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 497.33
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 4.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 493.33
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-05/0.0-0.5					DAMS02 APY98 MANF62	
2	NA	3.1/4		SW SM		Brown/gray, moist, very fine SAND, trace silt, organics.	0		
3			SBL4-05/2.0-4.0					DAMS03 APY99 MANF63	
4				SW		Black, saturated, well sorted, medium SAND, trace coarse sand. ▼			
5						Black, saturated, well sorted, coarse SAND, trace medium sand.			
6	NA	1.6/4		SW			0		Boring backfilled with bentonite
7									
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-05

DATE DRILLED 3/23/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9									
10	NA	4/4		CH		Gray, cohesive, CLAY, trace very fine sand and silt occuring in layers separating 0.1' to 0.5' beds of clay.	0		
11									
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-06
LOCATION Lagoon 4
DATE DRILLED 5/2/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Sledghammer
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 496.08
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) Boring located in flooded region of lagoon.
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1	NA	2/3.5		ML		Brown, saturated, SILT, trace very fine sand, organics.	0		
2				GP GM		Brown, saturated, GRAVEL, little silt, trace sand.			
3				GP SP		Black, saturated, poorly sorted SAND and GRAVEL, trace silt.			
4						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 | **BORING/WELL NUMBER** SBL4-07
LOCATION Lagoon 4 | **DATE DRILLED** 3/23/00
DRILLING CONTRACTOR Earth Exploration | **CASING TYPE/DIAMETER** NA
DRILLING METHOD Geoprobe | **SCREEN TYPE/SLOT** NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.) | **FILTER PACK TYPE** NA
GROUND ELEVATION 504.77 | **SEAL TYPE** NA
TOP OF CASING NA | **DEPTH TO WATER (Feet)** 8.00
LOGGED BY Sandy Weymouth | **GROUND WATER ELEVATION** 496.77
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-07/0.0-0.5					DAMS04 APZ00 MANF64	
2	NA	2.5/4		SW		Medium brown, moist, well sorted, fine SAND, little very fine sand, organics.	0		
3				SP		Medium brown, moist, poorly sorted, medium SAND, trace coarse sand, trace very fine sand, organics.			
4									
5				SW		Medium brown, moist, well sorted, fine SAND, little very fine sand, organics.			
6	NA	3.2/4				Medium brown, moist, well sorted, very fine SAND, trace silt.	0		← Boring backfilled with bentonite
7			SBL4-07/6.0-8.0	SW SM				DAMS15 APZ01 MANF65	
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-07

DATE DRILLED 3/23/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9						Medium brown, saturated, fine SAND, trace silt.			
10	NA	3.1/4		SW SM			0		
11									
12				GP SP		Brown/green, poorly sorted, coarse SAND and fine to medium GRAVEL, trace coarse gravel.			
						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-08
LOCATION Lagoon 4
DATE DRILLED 3/23/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 498.42
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 4.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 494.42
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-08/0.0-0.5			Dark brown/olive mottled, moist, well sorted, fine SAND, trace medium sand, organics.		DAMR98 APY96 MANF60	
2	NA	3.7/4		SP			0		
3			SBL4-08/2.0-4.0					DAMR85 APY83 MANF47	
4									
5									
6	NA	2.5/4		SP		Brown/olive, saturated, well sorted, fine SAND, trace medium sand. Layer of roots/leaves (0.05' thick)	0		Boring backfilled with bentonite
7									
8				SP GP		Brown/green, saturated, poorly sorted, coarse SAND, little fine to medium gravel.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-08

DATE DRILLED 3/23/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9									
10	NA	1.7/4					0		
				SP GP		Brown/green, saturated, poorly sorted, coarse SAND, little fine to medium gravel.			
11				CH		Gray, cohesive, CLAY, trace silt and very fine sand.			
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-09
LOCATION Lagoon 4
DATE DRILLED 3/23/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 499.93
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 3.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 496.93
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-09/0.0-0.5	SW SM		Medium brown/olive, moist, well sorted, very fine SAND, little silt, organics.		DAMS06 APZ02 MANF66	
2	NA	3.4/4	SBL4-09/2.0-4.0	SW SM		Black, moist/saturated, very fine SAND, trace silt.	0		
3						▼		DAMS07 APZ03 MANF67	
4				SW		Brown, saturated, very fine SAND, little silt, grading into coarse SAND, trace fine gravel.			← Boring backfilled with bentonite
5									
6	NA	2/4					0		
7									
8						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-10
OCATION Lagoon 4
DATE DRILLED 3/22/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 499.02
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 4.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 495.02
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-10/0.0-0.5			Medium to dark brown, moist, fine SAND, little medium sand, trace silt, organics.		DAMR93 APY89 MANF53	
2	NA	3.2/4		SP			0		
3			SBL4-10/2.0-4.0					DAMR94 APY90 MANF54	
4									
5									
6	NA	1.4/4					0		Boring backfilled with bentonite
7				SP		Brown, saturated, poorly sorted fine to coarse SAND, little fine to coarse gravel.			
				GP		Brown/gray, saturated, poorly sorted, fine to coarse GRAVEL, trace fine sand and silt.			
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-10

DATE DRILLED 3/22/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9									
10	NA	1.4/4					0		
				GP		Brown/green, saturated, fine to coarse GRAVEL, trace fine sand and silt.			
11				CH		Gray, cohesive, CLAY, trace very fine sand and silt.			
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-11
LOCATION Lagoon 4
DATE DRILLED 3/22/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 499.06
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 4.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 495.06
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
0			SBL4-11/0.0-0.5						
1			SBLE4-11/0.0-0.5	SP		Brown/olive mottled, moist, poorly sorted, medium SAND, little fine sand, trace coarse sand, organics overlying a .2' layer of black-stained fine SAND.		DAMR95 APY91 MANF55	
2	NA	3.5/4					0	DAMR96 APY92 MANF56	
3				SW SM		Brown/green, moist, well sorted, very fine SAND, trace silt, organics.			
4			SBL4-11/2.0-4.0					DAMR97 APY93 MANF57	
5									
6	NA	2/4		SW SM		Green/olive, saturated, very fine SAND, trace silt.	0		Boring backfilled with bentonite
7				GP		Brown/green, saturated, poorly sorted GRAVEL, little medium to coarse sand, trace silt.			
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-11

DATE DRILLED 3/22/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9				GP		Gray/green, saturated, poorly sorted GRAVEL, little medium to coarse sand, trace silt.			
10	NA	3.4/4		SM		Gray, saturated, very fine SAND, trace silt and clay.	0		
11									
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-12
LOCATION Lagoon 4
DATE DRILLED 3/23/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 499.07
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 4.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 495.07
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
0			SBL4-12/0.0-0.5			Medium brown, moist, very fine SAND, little silt, grading into medium SAND, trace fine sand, roots. (Fill)		DAMS08 APZ04 MANF68	
2	NA	2.9/4	SBL4-12/2.0-3.0	SW			0	DAMS09 APZ05 MANF69	
4						Brown/olive, saturated, poorly sorted SAND and GRAVEL, trace silt.			Boring backfilled with bentonite
6	NA	2.4/4		GP			0		
8						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-13
LOCATION Lagoon 4
DATE DRILLED 3/22/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 498.28
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 4.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 494.28
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-13/0.0-2.0						
2	NA	3.2/4		SW		Brown/olive, moist, well sorted, very fine SAND, trace silt, organics, black/gray staining 0.4' from top.	0	DAMR86 APY84 MANF48	
3				SW		Brown/gray, saturated, medium SAND, little fine sand.			
4									
5			SBL4-13/4.0-6.0			Brown, saturated, well sorted, fine SAND, trace medium sand, grading into medium SAND, little coarse sand, trace fine gravel. Bottom 1.0' is black-stained.		DAMR87 APY85 MANF49	
6	NA	3/4		SW			0		← Boring backfilled with bentonite
7									
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-13

DATE DRILLED 3/22/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9				SP					
				SP		Gray/olive, saturated, well sorted, medium SAND, little fine sand, trace coarse sand overlying a 0.2' layer of brown organics with some black specks of ash overlying 1.0' of gray/olive saturated medium SAND, little coarse sand and fine gravel.			
10	NA	3.6/4	SBL4-13/10.0-12.0				0		
				CH		Gray, cohesive, CLAY, trace fine sand and silt occuring in thin beds separating 0.1'-0.5' layers of clay.		DAMR88 APY86 MANF50	
11									
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-14
LOCATION Lagoon 4
DATE DRILLED 3/23/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 499.60
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 4.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 495.60
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-14/0.0-0.5			Medium brown/olive, moist, very fine SAND, little silt, organics.		DAMS10 APZ06 MANF70	
2	NA	3.3/4		SP			0		
3			SBL4-14/2.0-4.0					DAMS11 APZ07 MANF71	
4						▼			
5						Brown/gray, saturated, poorly sorted SAND and GRAVEL, trace silt. 0.4' from bottom to 0.8', black stained layer of SAND and GRAVEL.			
6	NA	2.4/4		GP SP			0		
7									
8						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER	02136-0220-01N93	**BORING/WELL NUMBER**	SBL4-15
LOCATION	Lagoon 4	**DATE DRILLED**	3/23/00
DRILLING CONTRACTOR	Earth Exploration	**CASING TYPE/DIAMETER**	NA
DRILLING METHOD	Geoprobe	**SCREEN TYPE/SLOT**	NA
SAMPLING METHOD	Direct Push 4 foot PVC liner (2" diam.)	**FILTER PACK TYPE**	NA
GROUND ELEVATION	504.39	**SEAL TYPE**	NA
TOP OF CASING	NA	**DEPTH TO WATER (Feet)**	8.00
LOGGED BY	Sandy Weymouth	**GROUND WATER ELEVATION**	496.39

REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-15/0.0-0.5			Medium brown/olive, moist, fine SAND, trace very fine sand and silt, roots.		DAMS12 APZ08 MANF72	
2	NA	3/4		SW SM			0		
3									
4						Medium brown/olive, moist, fine SAND, trace very fine sand and silt.			
5									
6	NA	2.4/4		SW SM			0		Boring backfilled with bentonite
7									
8						▼			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-15

DATE DRILLED 3/23/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9						Medium brown/olive, saturated, fine SAND.			
10	NA	3.6/4	SBL4-15/8.0-10.0	SW			0	DAMS13 APZ09 MANF73	
11									
12				SP		Brown/olive, saturated, poorly sorted, medium to coarse SAND, little fine to medium gravel, trace silt.			
						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-16
LOCATION Lagoon 4
DATE DRILLED 3/22/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 498.43
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 4.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 494.43
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-16/0.0-2.0					DAMR89 APY87 MANF51	
2	NA	2.6/4		SW		Medium brown/olive, moist, well sorted, fine SAND, organics.	0		
3				SW		Medium brown, saturated, fine SAND grading into medium SAND, trace coarse sand, roots.			
4									
5						Medium brown/rusty, saturated, fine to medium SAND, trace silt, roots/leaves 0.3' from bottom of sample.			
6	NA	3.5/4		SW SM			0		Boring backfilled with bentonite
7			SBL4-16/7.0-8.0					DAMR90 APY88 MANF52	
8				SW		Brown/gray, saturated, well sorted, medium SAND.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-16

DATE DRILLED 3/22/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9									
10	NA	2.8/4		GP		Medium brown/olive, saturated, poorly sorted GRAVEL, little coarse sand, trace silt.	0		
11						Gray, cohesive, CLAY, trace silt.			
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
LOCATION Lagoon 4
DRILLING CONTRACTOR Earth Exploration
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
GROUND ELEVATION 509.12
TOP OF CASING NA
LOGGED BY Sandy Weymouth
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

BORING/WELL NUMBER SBL4-17
DATE DRILLED 3/27/00
CASING TYPE/DIAMETER NA
SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Feet) 4.00
GROUND WATER ELEVATION 505.12

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-17/0.0-0.5			Brown, moist, well sorted, very fine SAND, trace silt, trace fine to medium sand, roots.		DAMS17 APZ13 MANF77	
2	NA	2.8/4		SW SM			0		
3									
4						Brown/green, saturated, very fine SAND, little fine to medium sand, trace silt.			
5									
6	NA	3.3/4		SW SM			0		Boring backfilled with bentonite
7			SBL4-17/6.0-8.0					DAMS18 APZ14 MANF78	
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-17

DATE DRILLED 3/27/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9	NA	2.6/4		SW SM			0		
10				SW SM		Brown/green, saturated, very fine SAND, little fine to medium sand, trace silt.			
11				GP SP		Brown, saturated, poorly sorted SAND and GRAVEL, trace silt.			
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-18
LOCATION Lagoon 4
DATE DRILLED 3/24/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 506.32
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 8.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 498.32
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-18/0.0-0.5			Dark brown/gray, dry, poorly sorted SAND and GRAVEL.		DAMS19 APZ15 MANF79	
2	NA	2.6/4		GP SP			0		
3									
4									
5						Dark brown/gray, moist, poorly sorted SAND and GRAVEL.			
6	NA	2.8/4		GP SP			0		Boring backfilled with bentonite
7						Green, saturated, very fine SAND, trace silt.			
8				SW SM		▼			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-18

DATE DRILLED 3/24/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9	NA	3.3/4	SBL4-18/8.0-10.0	SW SM		Green, saturated, very fine SAND, trace silt.	0	DAMS20 ARE00 MANF80	
10									
11									
12				GP SP		Brown/green, saturated, poorly sorted SAND and GRAVEL.			
						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 | **BORING/WELL NUMBER** SBL4-19

LOCATION Lagoon 4 | **DATE DRILLED** 3/24/00

DRILLING CONTRACTOR Earth Exploration | **CASING TYPE/DIAMETER** NA

DRILLING METHOD Geoprobe | **SCREEN TYPE/SLOT** NA

SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.) | **FILTER PACK TYPE** NA

GROUND ELEVATION 500.59 | **SEAL TYPE** NA

TOP OF CASING NA | **DEPTH TO WATER (Feet)** 4.00

LOGGED BY Sandy Weymouth | **GROUND WATER ELEVATION** 496.59

REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
0			SBL4-19/0.0-0.5					DAMS14 APZ10 MANF24	
1				SW SM		Dark brown, moist, fine SAND, trace silt, trace medium sand, organics. (Fill)			
2	NA	3.3/4	SBLE4-19/0.0-0.5			Brown/green/gray, mottled, saturated at bottom, well sorted, fine SAND, trace silt. (Fill)	0	DAMS15 APZ11 MANF25	
3				SW SM					
4			SBL4-19/2.0-4.0			Green/Olive, saturated, very fine SAND, trace fine sand, trace silt, gravel at tip. (Fill)		DAMS16 APZ12 MANF26	← Boring backfilled with bentonite
5									
6	NA	1.5/4		SW SM			0		
7									
8						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER	02136-0220-01N93	**BORING/WELL NUMBER**	SBL4-20
LOCATION	Lagoon 4	**DATE DRILLED**	3/22/00
DRILLING CONTRACTOR	Earth Exploration	**CASING TYPE/DIAMETER**	NA
DRILLING METHOD	Geoprobe	**SCREEN TYPE/SLOT**	NA
SAMPLING METHOD	Direct Push 4 foot PVC liner (2" diam.)	**FILTER PACK TYPE**	NA
GROUND ELEVATION	498.36	**SEAL TYPE**	NA
TOP OF CASING	NA	**DEPTH TO WATER (Feet)**	4.00
LOGGED BY	Sandy Weymouth	**GROUND WATER ELEVATION**	494.36

REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-20/0.0-2.0					DAMR84 APY82 MANF46	
2	NA	2.6/4		SW		Medium brown/olive, moist, very fine SAND, little silt, grading into loose SAND, trace fine gravel, organics.	0		
3				SW		Medium brown/olive, moist, very fine SAND, little silt, grading into coarse SAND, little fine to medium gravel.			
4									
5						Medium brown, saturated, very fine SAND, trace silt, grading into coarse SAND, little fine to medium gravel.			
6	NA	2.6/4		SW			0		
7									
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-20

DATE DRILLED 3/22/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9						Medium brown, saturated, poorly sorted, rounded, fine to coarse GRAVEL, little medium to coarse sand. Poor recovery, rock fragment in tip.			Boring backfilled with bentonite
10	NA	1.6/4		GP SP			0		
11									
12						Gray, cohesive, CLAY, trace fine sand and silt. Sand and silt occurs in thin lenses separating 0.1' - 0.5' layers of clay.			
13									
14	NA	3.9/4		CH			0		
15									
16						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
LOCATION Lagoon 4
DRILLING CONTRACTOR Earth Exploration
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
GROUND ELEVATION 505.43
TOP OF CASING NA
LOGGED BY Sandy Weymouth
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

BORING/WELL NUMBER SBL4-21
DATE DRILLED 3/24/00
CASING TYPE/DIAMETER NA
SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Feet) 8.00
GROUND WATER ELEVATION 497.43

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-21/0.0-0.5			Brown/green, moist, SILT and CLAY, organics. (Fill)		DAMS21 ARE01 MANF81	
2	NA	1/4		CL			0		
3									
4				CL					
5				CL		Gray, moist, SILT and CLAY. (Fill)			
6	NA	3.1/4		OH		Black, very fine, SILT, white particles and hair throughout interval. (Fill)	1522		
7			SBL4-21/6.0-8.0					DAMS22 ARE02 MANF82	
8						▼			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-21

DATE DRILLED 3/24/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
				OH					Boring backfilled with bentonite
9				OH		Black/gray, saturated, very fine SAND and SILT, hair, pieces of hide. (Fill)			
						Gray, saturated, fine SAND.			
10	NA	2.9/4		SW			163		
11									
12						Brown, gray, saturated, poorly sorted SAND and GRAVEL.			
13									
14	NA			SP GP			0		
15									
16						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-22
LOCATION Lagoon 4
DATE DRILLED 3/20/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 499.79
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 2.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 497.79
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-22/0.0-1.0	SW SM		Mottled, brown/gray, moist, fine SAND, trace silt and clay, organics.		DAMR67 APY65 MAMK37	
2	NA	3.2/4				▼	0		
3				ML		Mottled, medium brown/gray, saturated, SILT, little clay.			
4			SBL4-22/3.0-5.0					DAMR68 APY66 MAMK38	
5				ML		Mottled, medium brown/gray, saturated, SILT, little clay.			
6	NA	3.1/4					0		
7				SW GM		Medium brown, saturated, well-graded, medium SAND, little silt, grading into black, saturated, angular and round GRAVEL and SILT.			
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-22

DATE DRILLED 3/20/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9						Black, saturated, well-graded, angular and rounded GRAVEL, little silt.			Boring backfilled with bentonite
10	NA	3.7/4		GW			0		
11									
12						Gray, saturated, well-sorted fine SAND, trace silt.			
13				SW					
14	NA	4/4				Gray, saturated, fine SAND, little silt and clay.	0		
15				SW					
16						End of boring.			

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Telephone: (978) 970-5600
Fax: (978) 453-1995

BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER	02136-0220-01N93	**BORING/WELL NUMBER**	SBL4-23
LOCATION	Lagoon 4	**DATE DRILLED**	3/21/00
DRILLING CONTRACTOR	Earth Exploration	**CASING TYPE/DIAMETER**	NA
DRILLING METHOD	Geoprobe	**SCREEN TYPE/SLOT**	NA
SAMPLING METHOD	Direct Push 4 foot PVC liner (2" diam.)	**FILTER PACK TYPE**	NA
GROUND ELEVATION	498.98	**SEAL TYPE**	NA
TOP OF CASING	NA	**DEPTH TO WATER (Feet)**	4.00
LOGGED BY	Sandy Weymouth	**GROUND WATER ELEVATION**	494.98

REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL4-23/0.0-2.0			Olive, moist, fine SAND, little silt, organics.		APY67 MAMK39 DAMR69	
2	NA	3/4		SW SM			0		
3									
4						▼			
5			SBL4-23/4.0-6.0					APY68 MAMK40 DAMR70	
6	NA	2.8/4		SW SM		Brown/olive, saturated, fine SAND, little silt.	0		Boring backfilled with bentonite
7				SP GP		Brown/olive, saturated, medium GRAVEL, little medium to coarse sand.			
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-23

DATE DRILLED 3/21/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9	NA	3.5/4		SP GP		Brown/olive, saturated, fine SAND, grading into medium to coarse, rounded GRAVEL.	0		
11				SW SM		Brown/olive, saturated, very fine SAND, little silt.			
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-24
LOCATION Lagoon 4
DATE DRILLED 3/21/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 499.65
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 4.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 495.65
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL-L4-24/0.0-2.0			Medium brown, moist, well sorted, very fine SAND, trace silt.		APY69 MAMK41 DAMR71	
2		3.4/4		SW SM			0		
3									
4									
5			SBL-L4-24/4.0-6.0						
6		2.5/4	SBLE-L4-24/4.0-6.0	SW SM		Medium brown, saturated, very fine SAND, trace silt.	1.3	APY70 MAMK42 DAMR72 APY71 MAMK43 DAMR73	Boring backfilled with bentonite
7				GP		Medium brown, saturated, fine to coarse, rounded GRAVEL, trace coarse sand.			
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-24

DATE DRILLED 3/21/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9									
10		2.6/4		SP		Medium brown, saturated, medium SAND, little fine gravel.	0		
11				GP		Medium brown, saturated, fine to coarse, rounded GRAVEL, trace sand.			
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-25
LOCATION Lagoon 4
DATE DRILLED 3/21/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 499.87
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 4.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 495.87
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL-L4-25/0.0-2.0			Medium to dark brown, moist, poorly sorted, fine SAND, little fine to medium gravel, roots.		APY72 MAMK44 DAMR74	
2	NA	3.2/4		SW			0		
3									
4									
5			SBL-L4-25/4.0-6.0			Medium brown, saturated, fine SAND, little silt.		APY73 MAMK45 DAMR75	
6	NA	3/4		SW SM			0		Boring backfilled with bentonite
7									
8				GP GM		Black, saturated, poorly sorted, GRAVEL, little silt.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93

BORING/WELL NUMBER SBL4-25

DATE DRILLED 3/21/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9				GP GM		Black, saturated, poorly sorted GRAVEL, little silt.			
10	NA	3.1/4		SP SM		Gray/olive, saturated, very fine SAND, trace silt.	0		
11									
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER	02136-0220-01N93	**BORING/WELL NUMBER**	SBL4-26
LOCATION	Lagoon 4	**DATE DRILLED**	3/21/00
DRILLING CONTRACTOR	Earth Exploration	**CASING TYPE/DIAMETER**	NA
DRILLING METHOD	Geoprobe	**SCREEN TYPE/SLOT**	NA
SAMPLING METHOD	Direct Push 4 foot PVC liner (2" diam.)	**FILTER PACK TYPE**	NA
GROUND ELEVATION	500.30	**SEAL TYPE**	NA
TOP OF CASING	NA	**DEPTH TO WATER (Feet)**	4.00
LOGGED BY	Sandy Weymouth	**GROUND WATER ELEVATION**	496.30

REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL-L4-26/0.0-2.0			Medium brown, moist, well sorted, very fine SAND, trace silt, roots.		APY77 MAMK49 DAMR79	
2	NA	3.5/4		SW			0		
3									
4						▼			
5			SBL-L4-26/4.0-6.0					APY78 MAMK50 DAMR80	
6	NA	2.8/4		SP		Medium brown, saturated, poorly sorted medium SAND, little gravel.	0		Boring backfilled with bentonite
7				SW		Gray/black, saturated, well sorted medium SAND, trace coarse sand.			
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-26

DATE DRILLED 3/21/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9									
10	NA	2.5/4		GP GM		Black, saturated, poorly sorted, round and angular GRAVEL, little silt.	0		
11									
12						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-27
LOCATION Lagoon 4
DATE DRILLED 3/21/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 500.40
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 4.00
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION 496.40
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL-L4-27/0.0-2.0					APY79 MAMK51 DAMR81	
2	NA	2.9/4		SP SM		Medium to dark brown, moist, well sorted, fine SAND, trace silt and clay, organics. (Fill)	0		
3				SW		Banded, black/gray/brown, moist, fine SAND, little silt.Black layer of coal/ash.			
			SBL-L4-27/3.0-4.0			Black, .2' layer of coal/ash.			
4				SW		Banded, black/gray/brown, moist, fine SAND, little silt. One black layer of coal/ash. ▼		APY80 MAMF44 DAMR82	
5						Medium brown/olive, saturated, well graded, very fine SAND grading into coarse SAND, trace fine gravel.			
6	NA	2.8/4		SW			0		
7									
8						Medium brown to black, saturated, well graded, coarse SAND and angular and rounded GRAVEL, trace silt. Black-stained at bottom .5 feet.			
9									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-27

DATE DRILLED 3/21/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
10	NA	3.2/4	SBL-L4-27/16.0-18.0	SW			0		Boring backfilled with bentonite
11									
12									
13				GP		Black, saturated, poorly sorted, rounded GRAVEL, trace silt.			
14	NA	3.1/4				Gray/olive, saturated, well sorted, very fine SAND, trace silt.	0		
15				SW					
16						Gray/olive, very cohesive, CLAY, trace silt and fine sand.			
17								APY81 MAMF45 DAMR83	
18	NA	3.8/4		CH			0		
19									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL4-27

DATE DRILLED 3/21/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
20						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-28
LOCATION Lagoon 4
DATE DRILLED 8/28/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Hand Auger
SCREEN TYPE/SLOT NA
SAMPLING METHOD Auger
FILTER PACK TYPE NA
GROUND ELEVATION 497.20
SEAL TYPE NA
TOP OF CASING na
DEPTH TO WATER (Feet)
LOGGED BY Chris Brady
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
	NA	.5/.5	SBL4-28/0.0-0.5	SW		Dark gray/tan, fine SAND, roots.	0		
						End of boring.		D00043	

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL4-29
LOCATION Lagoon 4
DATE DRILLED 8/30/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 505.20
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet)
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
0				CL					Boring backfilled with bentonite
1				CL		Gray, moist, CLAY, trace gravel. Overlying .2' of lyme.			
2	NA	3.2/4					0		
3				CL		Brown/gray, moist, CLAY, some brown sand and gravel.			
4				CL		Brown/gray, moist, CLAY, little brown sand and gravel.			
5				OL		Black, moist, organic SILT, hair.			
6	NA	4/4	SBL4-29/5.0-7.0				924	D00044	
7									
8						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL5-01
LOCATION Lagoon 5
DATE DRILLED 4/28/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Sledghammer
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 497.58
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 1.00
LOGGED BY Amy Hamilton
GROUND WATER ELEVATION 496.58
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL5-01/0.0-0.5					DAMS68 ARE46 MALR78	
2	NA	1/4					74		Boring backfilled with bentonite
3				SP		Brown, moist, fine SAND, organics. (Fill)			
4				OL		Black/gray, moist, organic SILT. (Fill)			
	NA	.5/1		GW		Black, saturated, GRAVEL.	63		
5						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL5-02
LOCATION Lagoon 5
DATE DRILLED 4/26/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Tripod
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 494.32
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) Boring located in flooded region of lagoon.
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL5-02/0.0-0.5					DAMS37 MALR49 ARE17	
2	NA	2/4	SBLE5-02/0.0-0.5	OL		Brown/black, organic SILT. (Fill)	600		
				OL		Black/gray, moist, organic SILT, trace clay, organics, hair. (Fill)		DAMT85 MALR77 ARE45	
3				GP		Black, saturated, GRAVEL, little sand and silt.			
4						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL5-03
OCATION Lagoon 5
DATE DRILLED 4/28/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Sledghammer
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 496.70
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) 1.00
LOGGED BY Amy Hamilton
GROUND WATER ELEVATION 495.70
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1									
2	NA	.7/4					14		← Boring backfilled with bentonite
3			SBL5-03/3.0-4.0	SW GW		Brown, moist, fine SAND grading into GRAVEL. (Fill)		DAMS70 ARE48 MALR80	
4				OL		Black, moist, organic SILT. (Fill)			
						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL5-04
LOCATION Lagoon 5
DATE DRILLED 5/1/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Hand Auger
SCREEN TYPE/SLOT NA
SAMPLING METHOD Auger
FILTER PACK TYPE NA
GROUND ELEVATION 494.01
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) Boring located in flooded region of lagoon.
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1	NA	2/4	SBL5-04/0.5-1.0	OL		Black/gray, saturated, organic SILT, little clay, hair. (Fill)	1100	DAMT81	
2			SBLE5-04/0.5-1.0					DAMT82	
3									
4				GP		Black, saturated, GRAVEL.			
						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL5-05
LOCATION Lagoon 5
DATE DRILLED 5/1/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Hand Auger
SCREEN TYPE/SLOT NA
SAMPLING METHOD Auger
FILTER PACK TYPE NA
GROUND ELEVATION 495.17
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) Boring located in flooded region of lagoon.
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL5-05/0.5-1			Black/gray, saturated, organic SILT, little clay, hair. Gravel at bottom. (Fill)		DAMT83	
2	NA	3/4	SBLE5-05/0.5-1	OL			130	DAMT91	
3									
4				GP		Black, saturated, GRAVEL.			
						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL5-06
LOCATION Lagoon 5
DATE DRILLED 5/1/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Hand Auger
SCREEN TYPE/SLOT NA
SAMPLING METHOD Auger
FILTER PACK TYPE NA
GROUND ELEVATION 494.04
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) Boring located in flooded region of lagoon.
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1	NA	3/4	SBL5-06/0.6-1.0	OL		Gray/black, saturated, organic SILT, little clay, hair. (Fill)	170	DAMT93	
2									
3									
4						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL5-07
LOCATION Lagoon 5
DATE DRILLED 4/28/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Sledghammer
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 497.54
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) Boring located in flooded region of lagoon.
LOGGED BY Jim Leonard
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL5-07	SP		Light Brown, very fine SAND, some silt and clay. (Fill)		DAMT89	
						Black, very fine SAND, some silt and clay. (Fill)			
2	NA	3/4		SP			0		
3									
4				SP		Black, fine SAND, little gravel. (Fill)			
5						End of boring.			
	NA	.5/1					0		

TRC ENVIRONMENTAL
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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 | **BORING/WELL NUMBER** SBL5-08
LOCATION Lagoon 5 | **DATE DRILLED** 9/12/00
DRILLING CONTRACTOR Earth Exploration | **CASING TYPE/DIAMETER** NA
DRILLING METHOD Hand Auger | **SCREEN TYPE/SLOT** NA
SAMPLING METHOD Auger | **FILTER PACK TYPE** NA
GROUND ELEVATION 496.20 | **SEAL TYPE** NA
TOP OF CASING NA | **DEPTH TO WATER (Feet)** NA
LOGGED BY Peter Smith | **GROUND WATER ELEVATION**
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1	NA		SBL5-08/0.0-0.5	SP		Brown, fine SAND, little gravel.	0	D00048	
2			SBLE5-08/0.0-0.5			Black, fine to medium SAND, little gravel.			Boring backfilled with bentonite
3	NA		SBL5-08/2.0-4.0	SW			0	D00047	
4						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL5-09
LOCATION Lagoon 5
DATE DRILLED 8/29/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Geoprobe
SCREEN TYPE/SLOT NA
SAMPLING METHOD Direct Push 4 foot PVC liner (2" diam.)
FILTER PACK TYPE NA
GROUND ELEVATION 496.00
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) NA
LOGGED BY Peter Smith
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
	NA		SBL5-09/0.0-0.5	SW		Gray, saturated, fine to coarse SAND.	0	D00049	
						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER	02136-0220-01N93	**BORING/WELL NUMBER**	SBL5-10
LOCATION	Lagoon 5	**DATE DRILLED**	9/12/00
DRILLING CONTRACTOR	Earth Exploration	**CASING TYPE/DIAMETER**	NA
DRILLING METHOD	Geoprobe	**SCREEN TYPE/SLOT**	NA
SAMPLING METHOD	Direct Push 4 foot PVC liner (2" diam.)	**FILTER PACK TYPE**	NA
GROUND ELEVATION	497.60	**SEAL TYPE**	NA
TOP OF CASING	NA	**DEPTH TO WATER (Feet)**	5.00
LOGGED BY	Peter Smith	**GROUND WATER ELEVATION**	492.60

REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1			SBL5-10/0.0-0.5	SM GM				D00050	
2	NA	2/4	SBLE5-10/0.0-0.5			Black, silty SAND, some gravel.	0	D00056	
3			SBL5-10/2.0-4.0	SM GM				D00051	
4						Black, fine SAND, some gravel.			
5				SP		Black, saturated, medium SAND.			
6	NA	4/4					0		
7				SP					
8									

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93 **BORING/WELL NUMBER** SBL5-10

DATE DRILLED 9/12/00

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
9				SC					Boring backfilled with bentonite
10	NA	3/4	SBL5-10/10.0-12.0	SC		Black, fine SAND, little gray clay at bottom.	0		
11				SM		Dark gray, very fine silty SAND, little gray clay at bottom.		D00100	
12				SM					
13				SM		Gray/black, very fine silty SAND.			
14	NA	3/4					0		
15									
16						End of boring.			

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BORING/WELL CONSTRUCTION LOG

POWNAL TANNERY, Pownal, VT

PROJECT NUMBER 02136-0220-01N93
BORING/WELL NUMBER SBL5-11
LOCATION Lagoon 5
DATE DRILLED 9/12/00
DRILLING CONTRACTOR Earth Exploration
CASING TYPE/DIAMETER NA
DRILLING METHOD Hand Auger
SCREEN TYPE/SLOT NA
SAMPLING METHOD Auger
FILTER PACK TYPE NA
GROUND ELEVATION 496.60
SEAL TYPE NA
TOP OF CASING NA
DEPTH TO WATER (Feet) NA
LOGGED BY Peter Smith
GROUND WATER ELEVATION
REMARKS Field screening conducted with the use of a MicroFID flame-ionization detector.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	RAS/DAS ID#	WELL DIAGRAM
	NA		SBL5-11/0.0-0.5	SM		Brown, fine SAND and SILT, trace fine gravel.	0		
						End of boring.		D00052	