

C.A. Denison Lumber Co., Inc.
Proposed Halifax Quarry
Water Supply Assessment Map

February 09, 2015

800 400 0 800
 Feet

vhb

Sources: Background - USGS Topo (1996); Roads by VTrans (2013); VHD Streams & Waterbodies by VCGI (2010); Area of Excavation, Zone of Influence, and Study Area by VHB (2015); Public and Private Wells data from VT ANR and downloaded by VHB (2015).



C.A. Denison Lumber Co., Inc.

Wells on Record with Vermont DEC Within General Vicinity of the Proposed Halifax Quarry

Current as of January 2015

Note: No wells are present within the quarry's estimated zone of groundwater influence, nor within the surrounding 1,000-ft study area. This table summarizes wells visible on the Water Supply Assessment Map (2/9/2015).

Well Report #	Tag	Driller	Owner, First Name	Owner, Last Name	Date Completed	Well Depth (ft)	Yield (gpm)	Yield Rank	Exceedance Probability	Static Water Level (ft)	Over Burden (ft)	Casing Length (ft)	Well Use	Well Reason	Well Type
174	333	Larry Cushing	Ann	Donick	6/13/1990	300	1.0	1	11.1%	--	8	21.0	Domestic	New Supply	Bedrock
160	271	Larry Cushing	Debra	Foster	6/29/1989	300	2.0	2	22.2%	30	10	42.0	Domestic	New Supply	Bedrock
34015	34015	Richard Stromberg	Susan	Rogers	6/15/2006	280	2.5	3	33.3%	20	4	20.4	Domestic	New Supply	Bedrock
217	208-82-95	Kenneth Lynde	JESSE	LEPKOFF	7/15/1995	240	3.5	4	44.4%	--	NA	NA	Domestic	Deepened existing well	Bedrock
16261	16261	Kenneth Lynde	Michaela	Harlow	11/13/2001	285	6.0	5	55.6%	50	3	20.0	Domestic	New Supply	Bedrock
11549	11549	Kenneth Lynde	Russ/Barbara	Amato	12/14/1999	305	12	6	66.7%	10	8	20.0	Domestic	New Supply	Bedrock
180	85-91	Kenneth Lynde	Norman	Fajans	9/6/1991	75	13	7	77.8%	35	8	20.0	Domestic	New Supply	Bedrock
153	201	Larry Cushing	Dorothy	Roddy	11/8/1988	200	60	8	88.9%	16	64	80.0	Domestic	New Supply	Bedrock
in						8	8			6	7	7			
Mean						248	12.5			27	15	32			
Median						283	4.8			25	8	20			
Minimum						75	1			10	3	20			
Maximum						305	60			50	64	80			

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Date Well Was Completed: 11-08-1988

Date Report Received: 11-17-1988

Well Driller License Number: 112 = Larry Cushing , L G Cushing & Sons Inc

Well Report Number: 153

Well Number/Tag Number: 201

Comments:

Town: Halifax

Map Cell: 39B6

Tax Map:

E-911 Address:

Sub Division:

Lot Number:

Owner's First Name: Dorothy

Owner's Last Name: Roddy

Purchaser's First Name:

Purchaser's Last Name:

Well Use Code: 01 = Domestic

Reason for Well Code: 1 = New Supply

Drilling Equipment Code: 2 = Rotary (AP)

Total Depth of Well (in feet): 200.00

Yield (in GPM): 60.00

Yield Test Tested For (in hours): 0.00

Static Water Level (in feet): 16.00

Well Is Overflowing: N

Depth To Bedrock: 64

Total Casing Length (in feet): 80.00

Casing Diameter (in inches): 6.00

Casing Length Below Land Surface (in feet): 0.00

Casing Length Exposed (in feet): 0.00

Casing Material:

Casing Weight (in lbs/foot): 0.00

Casing Finish Code: 1 = Above ground, finished

Length of Liner used (in feet): 0.00

Liner Diameter (in inches): 0.00

Liner Material:

Liner Weight (in lbs/foot): 0.00

Grout Type: 0

Seal Type:

Diameter Drilled In Bedrock (in inches): 0.00

Depth Drilled In Bedrock (in feet): 0.00

Screen Make and Type:

Screen Material:

Screen Length (in feet): 0.00

Screen Diameter (in inches): 0.00

Screen Slot Size (in inches): 0.000

Depth to top of Screen below land surface (in feet): 0.00

Gravel Size or Type:

Method of Sealing Casing Code: 1 = Drive shoe only

Yield Test Method Code: 3 = Compressed air

Well Development Code:

Not Steel Casing: N

Has Water Been Analyzed: N

Well Has Screen: N

AW Partial: N

Unique GIS Name: HA153

Lat Degree: 42

Lat Minutes: 46

Lat Seconds: 48.6660

Long Degree: 72

Long Minutes: 41

Long Seconds: 19.8779

Location Determination Method: 4 = screen digitized

Well Type:

Depth To Liner Top (in feet): 0.00

HydroFractured: N

Hydro Fractured Resulting Flow (GPM): 0.00

Well Location Submitted As A Dot On A Map: N

RecordStatus: A

UOE:

DOE:

UOC: GISLatLongUpdater

DOC: 4/10/2008 12:00:00 AM

WellReportID: 24803

	Starting Depth	Ending Depth	Water Bearing	Lithology Code	Code Description	Lithology Description
View	0.00	6.00		BD	Boulders & dirt	loam, rocks
View	6.00	64.00		BC	Boulders & clay	clay, till, rocks
View	64.00	70.00		R	Rock, bedrock, ledge, etc.	soft bedrock
View	70.00	200.00		R	Rock, bedrock, ledge, etc.	schist, waterbearing

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Date Well Was Completed: 06-29-1989

Date Report Received: 07-12-1989

Well Driller License Number: 112 = Larry Cushing , L G Cushing & Sons Inc

Well Report Number: 160

Well Number/Tag Number: 271

Comments:

Town: Halifax

Map Cell: 39B2

Tax Map:

E-911 Address:

Sub Division:

Lot Number:

Owner's First Name: Debra

Owner's Last Name: Foster

Purchaser's First Name:

Purchaser's Last Name:

Well Use Code: 01 = Domestic

Reason for Well Code: 1 = New Supply

Drilling Equipment Code: 2 = Rotary (AP)

Total Depth of Well (in feet): 300.00

Yield (in GPM): 2.00

Yield Test Tested For (in hours): 0.00

Static Water Level (in feet): 30.00

Well Is Overflowing: N

Depth To Bedrock: 10

Total Casing Length (in feet): 42.00

Casing Diameter (in inches): 6.00

Casing Length Below Land Surface (in feet): 0.00

Casing Length Exposed (in feet): 0.00

Casing Material:

Casing Weight (in lbs/foot): 0.00

Casing Finish Code: 1 = Above ground, finished

Length of Liner used (in feet): 0.00

Liner Diameter (in inches): 0.00

Liner Material:

Liner Weight (in lbs/foot): 0.00

Grout Type: 0

Seal Type:

Diameter Drilled In Bedrock (in inches): 0.00

Depth Drilled In Bedrock (in feet): 0.00

Screen Make and Type:

Screen Material:

Screen Length (in feet): 0.00

Screen Diameter (in inches): 0.00

Screen Slot Size (in inches): 0.000

Depth to top of Screen below land surface (in feet): 0.00

Gravel Size or Type:

Method of Sealing Casing Code: 1 = Drive shoe only

Yield Test Method Code: 3 = Compressed air

Well Development Code:

Not Steel Casing: N

Has Water Been Analyzed: N

Well Has Screen: N

AW Partial: N

Unique GIS Name: HA160

Lat Degree: 42

Lat Minutes: 47

Lat Seconds: 43.3681

Long Degree: 72

Long Minutes: 42

Long Seconds: 26.8739

Location Determination Method: 4 = screen digitized

Well Type:

Depth To Liner Top (in feet): 0.00

HydroFractured: N

Hydro Fractured Resulting Flow (GPM): 0.00

Well Location Submitted As A Dot On A Map: N

RecordStatus: A

UOE:

DOE:

UOC: GISLatLongUpdater

DOC: 4/10/2008 12:00:00 AM

WellReportID: 24810

	Starting Depth	Ending Depth	Water Bearing	Lithology Code	Code Description	Lithology Description
View	0.00	10.00		BC	Boulders & clay	clay, rocks
View	10.00	300.00		R	Rock, bedrock, ledge, etc.	bedrock: shale, waterbearing

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Date Well Was Completed: 06-13-1990

Date Report Received: 10-15-1990

Well Driller License Number: 112 = Larry Cushing , L G Cushing & Sons Inc

Well Report Number: 174

Well Number/Tag Number: 333

Comments:

Town: Halifax

Map Cell: 39B2

Tax Map:

E-911 Address:

Sub Division:

Lot Number:

Owner's First Name: Ann

Owner's Last Name: Donick

Purchaser's First Name:

Purchaser's Last Name:

Well Use Code: 01 = Domestic

Reason for Well Code: 1 = New Supply

Drilling Equipment Code: 2 = Rotary (AP)

Total Depth of Well (in feet): 300.00

Yield (in GPM): 1.00

Yield Test Tested For (in hours): 0.00

Static Water Level (in feet): 0.00

Well Is Overflowing: N

Depth To Bedrock: 8

Total Casing Length (in feet): 21.00

Casing Diameter (in inches): 6.00

Casing Length Below Land Surface (in feet): 0.00

Casing Length Exposed (in feet): 0.00

Casing Material:

Casing Weight (in lbs/foot): 0.00

Casing Finish Code: 1 = Above ground, finished

Length of Liner used (in feet): 0.00

Liner Diameter (in inches): 0.00

Liner Material:

Liner Weight (in lbs/foot): 0.00

Grout Type: 0

Seal Type:

Diameter Drilled In Bedrock (in inches): 0.00

Depth Drilled In Bedrock (in feet): 0.00

Screen Make and Type:

Screen Material:

Screen Length (in feet): 0.00

Screen Diameter (in inches): 0.00

Screen Slot Size (in inches): 0.000

Depth to top of Screen below land surface (in feet): 0.00

Gravel Size or Type:

Method of Sealing Casing Code: 1 = Drive shoe only

Yield Test Method Code: 3 = Compressed air

Well Development Code:

Not Steel Casing: N

Has Water Been Analyzed: N

Well Has Screen: N

AW Partial: N

Unique GIS Name: HA174

Lat Degree: 42

Lat Minutes: 47

Lat Seconds: 38.3821

Long Degree: 72

Long Minutes: 42

Long Seconds: 30.2401

Location Determination Method: 4 = screen digitized

Well Type:

Depth To Liner Top (in feet): 0.00

HydroFractured: N

Hydro Fractured Resulting Flow (GPM): 0.00

Well Location Submitted As A Dot On A Map: N

RecordStatus: A

UOE:

DOE:

UOC: GISLatLongUpdater

DOC: 4/10/2008 12:00:00 AM

WellReportID: 24824

	Starting Depth	Ending Depth	Water Bearing	Lithology Code	Code Description	Lithology Description
View	0.00	8.00		T	Till	till
View	8.00	91.00		R	Rock, bedrock, ledge, etc.	brown soft rock
View	91.00	300.00		R	Rock, bedrock, ledge, etc.	shale, waterbearing

[Home](#)User Name: Password: ☐ Remember me next time.

Date Well Was Completed: 09-06-1991
Date Report Received: 09-13-1991
Well Driller License Number: 208 = Kenneth Lynde , Lynde Well Drilling
Well Report Number: 180
Well Number/Tag Number: 85-91
Comments:
Town: Halifax
Map Cell: 39B2
Tax Map:
E-911 Address:
Sub Division:
Lot Number:
Owner's First Name: Norman
Owner's Last Name: Fajans
Purchaser's First Name:
Purchaser's Last Name:
Well Use Code: 01 = Domestic
Reason for Well Code: 1 = New Supply
Drilling Equipment Code: 2 = Rotary (AP)
Total Depth of Well (in feet): 75.00
Yield (in GPM): 13.00
Yield Test Tested For (in hours): 0.00
Static Water Level (in feet): 35.00
Well Is Overflowing: N
Depth To Bedrock: 8
Total Casing Length (in feet): 20.00
Casing Diameter (in inches): 6.00
Casing Length Below Land Surface (in feet): 0.00
Casing Length Exposed (in feet): 0.00
Casing Material:
Casing Weight (in lbs/foot): 0.00
Casing Finish Code: 2 = Above ground, unfinished
Length of Liner used (in feet): 0.00
Liner Diameter (in inches): 0.00
Liner Material:
Liner Weight (in lbs/foot): 0.00
Grout Type: 0
Seal Type:
Diameter Drilled In Bedrock (in inches): 0.00
Depth Drilled In Bedrock (in feet): 0.00
Screen Make and Type:
Screen Material:
Screen Length (in feet): 0.00
Screen Diameter (in inches): 0.00
Screen Slot Size (in inches): 0.000
Depth to top of Screen below land surface (in feet): 0.00
Gravel Size or Type:
Method of Sealing Casing Code: 1 = Drive shoe only
Yield Test Method Code: 3 = Compressed air
Well Development Code:
Not Steel Casing: N

Has Water Been Analyzed: N
Well Has Screen: N
AW Partial: N
Unique GIS Name: HA180
Lat Degree: 42
Lat Minutes: 47
Lat Seconds: 55.1880
Long Degree: 72
Long Minutes: 42
Long Seconds: 37.9081
Location Determination Method: 4 = screen digitized
Well Type:
Depth To Liner Top (in feet): 0.00
HydroFractured: N
Hydro Fractured Resulting Flow (GPM): 0.00
Well Location Submitted As A Dot On A Map: N
RecordStatus: A
UOE:
DOE:
UOC: GISLatLongUpdater
DOC: 4/10/2008 12:00:00 AM
WellReportID: 24830

	Starting Depth	Ending Depth	Water Bearing	Lithology Code	Code Description	Lithology Description
View	0.00	8.00		G	Gravel	gravel
View	8.00	75.00		R	Rock, bedrock, ledge, etc.	bedrock

[Home](#)User Name: Password: ☐ Remember me next time.

Date Well Was Completed: 07-15-1995

Date Report Received: 09-13-1995

Well Driller License Number: 208 = Kenneth Lynde , Lynde Well Drilling

Well Report Number: 217

Well Number/Tag Number: 208-82-95

Comments: DEEPENED WELL FROM 140'-240'
INCREASED YIELD TO 3.5 G.P.M.

Town: Halifax

Map Cell: 39B5

Tax Map:

E-911 Address:

Sub Division:

Lot Number:

Owner's First Name: JESSE

Owner's Last Name: LEPKOFF

Purchaser's First Name:

Purchaser's Last Name:

Well Use Code: 01 = Domestic

Reason for Well Code: 3 = Deepened existing well

Drilling Equipment Code: 2 = Rotary (AP)

Total Depth of Well (in feet): 240.00

Yield (in GPM): 3.00

Yield Test Tested For (in hours): 0.00

Static Water Level (in feet): 0.00

Well Is Overflowing: N

Depth To Bedrock: 140

Total Casing Length (in feet): 0.00

Casing Diameter (in inches): 0.00

Casing Length Below Land
Surface (in feet): 0.00

Casing Length Exposed (in feet): 0.00

Casing Material:

Casing Weight (in lbs/foot): 0.00

Casing Finish Code: 1 = Above ground, finished

Length of Liner used (in feet): 0.00

Liner Diameter (in inches): 0.00

Liner Material:

Liner Weight (in lbs/foot): 0.00

Grout Type: 0

Seal Type:

Diameter Drilled In Bedrock (in
inches): 0.00Depth Drilled In Bedrock (in
feet): 0.00

Screen Make and Type:

Screen Material:

Screen Length (in feet): 0.00

Screen Diameter (in inches): 0.00

Screen Slot Size (in inches): 0.000

Depth to top of Screen below
land surface (in feet): 0.00

Gravel Size or Type:

Method of Sealing Casing Code:

Yield Test Method Code: 3 = Compressed air

Well Development Code:

Not Steel Casing: N
Has Water Been Analyzed N
Well Has Screen: N
AW Partial: N
Unique GIS Name: HA217
Lat Degree: 42
Lat Minutes: 47
Lat Seconds: 36.0061
Long Degree: 72
Long Minutes: 41
Long Seconds: 22.5600

Location Determination Method: 4 = screen digitized

Well Type:

Depth To Liner Top (in feet): 0.00

HydroFractured: N

Hydro Fractured Resulting Flow
(GPM): 0.00

Well Location Submitted As A
Dot On A Map: N

RecordStatus: A

UOE:

DOE:

UOC: GISLatLongUpdater

DOC: 4/10/2008 12:00:00 AM

WellReportID: 24867

	Starting Depth	Ending Depth	Water Bearing	Lithology Code	Code Description	Lithology Description
View	140.00	240.00		R	Rock, bedrock, ledge, etc.	BEDROCK

[Home](#)User Name: Password: ☐ Remember me next time.

Date Well Was Completed: 12-14-1999
Date Report Received: 01-17-2000
Well Driller License Number: 208 = Kenneth Lynde , Lynde Well Drilling
Well Report Number: 11549
Well Number/Tag Number: 11549
Comments:
Town: Halifax
Map Cell: 39B5
Tax Map:
E-911 Address: Josh Rd
Sub Division:
Lot Number:
Owner's First Name: Russ/Barbara
Owner's Last Name: Amato
Purchaser's First Name:
Purchaser's Last Name:
Well Use Code: 01 = Domestic
Reason for Well Code: 1 = New Supply
Drilling Equipment Code:
Total Depth of Well (in feet): 305.00
Yield (in GPM): 12.00
Yield Test Tested For (in hours): 0.00
Static Water Level (in feet): 10.00
Well Is Overflowing: N
Depth To Bedrock: 8
Total Casing Length (in feet): 20.00
Casing Diameter (in inches): 6.00
Casing Length Below Land Surface (in feet): 18.50
Casing Length Exposed (in feet): 1.50
Casing Material: 1 = Steel
Casing Weight (in lbs/foot): 17.00
Casing Finish Code:
Length of Liner used (in feet): 0.00
Liner Diameter (in inches): 0.00
Liner Material:
Liner Weight (in lbs/foot): 0.00
Grout Type: 0
Seal Type:
Diameter Drilled In Bedrock (in inches): 0.00
Depth Drilled In Bedrock (in feet): 0.00
Screen Make and Type:
Screen Material:
Screen Length (in feet): 0.00
Screen Diameter (in inches): 0.00
Screen Slot Size (in inches): 0.000
Depth to top of Screen below land surface (in feet): 0.00
Gravel Size or Type:
Method of Sealing Casing Code: 1 = Drive shoe only
Yield Test Method Code:
Well Development Code:
Not Steel Casing: N

Has Water Been Analyzed: N
Well Has Screen: N
AW Partial: N
Unique GIS Name: HA11549
Lat Degree: 42
Lat Minutes: 47
Lat Seconds: 44.1119
Long Degree: 72
Long Minutes: 41
Long Seconds: 19.2000
Location Determination Method: 4 = screen digitized
Well Type:
Depth To Liner Top (in feet): 0.00
HydroFractured: N
Hydro Fractured Resulting Flow (GPM): 0.00
Well Location Submitted As A Dot On A Map: N
RecordStatus: A
UOE:
DOE: 2/1/2000 12:00:00 AM
UOC: GISLatLongUpdater
DOC: 4/10/2008 12:00:00 AM
WellReportID: 78579

	Starting Depth	Ending Depth	Water Bearing	Lithology Code	Code Description	Lithology Description
View	0.00	8.00		G	Gravel	gravel
View	8.00	305.00		R	Rock, bedrock, ledge, etc.	bedrock

[Home](#)User Name: Password: ☐ Remember me next time.

Date Well Was Completed: 11-13-2001
Date Report Received: 01-04-2002
Well Driller License Number: 208 = Kenneth Lynde , Lynde Well Drilling
Well Report Number: 16261
Well Number/Tag Number: 16261
Comments:
Town: Halifax
Map Cell:
Tax Map:
E-911 Address: Deer Park Rd
Sub Division:
Lot Number:
Owner's First Name: Michaela
Owner's Last Name: Harlow
Purchaser's First Name:
Purchaser's Last Name:
Well Use Code: 01 = Domestic
Reason for Well Code: 1 = New Supply
Drilling Equipment Code:
Total Depth of Well (in feet): 285.00
Yield (in GPM): 6.00
Yield Test Tested For (in hours): 2.00
Static Water Level (in feet): 50.00
Well Is Overflowing: N
Depth To Bedrock: 3
Total Casing Length (in feet): 20.00
Casing Diameter (in inches): 6.00
Casing Length Below Land Surface (in feet): 18.50
Casing Length Exposed (in feet): 1.50
Casing Material: 1 = Steel
Casing Weight (in lbs/foot): 17.00
Casing Finish Code:
Length of Liner used (in feet): 0.00
Liner Diameter (in inches): 0.00
Liner Material:
Liner Weight (in lbs/foot): 0.00
Grout Type: 0
Seal Type:
Diameter Drilled In Bedrock (in inches): 0.00
Depth Drilled In Bedrock (in feet): 0.00
Screen Make and Type:
Screen Material:
Screen Length (in feet): 0.00
Screen Diameter (in inches): 0.00
Screen Slot Size (in inches): 0.000
Depth to top of Screen below land surface (in feet): 0.00
Gravel Size or Type:
Method of Sealing Casing Code: 1 = Drive shoe only
Yield Test Method Code:
Well Development Code:
Not Steel Casing: N

Has Water Been Analyzed: N
Well Has Screen: N
AW Partial: N
Unique GIS Name: HA16261
Lat Degree: 42
Lat Minutes: 47
Lat Seconds: 51.7980
Long Degree: 72
Long Minutes: 42
Long Seconds: 14.8501
Location Determination Method: 4 = screen digitized
Well Type: bedrock
Depth To Liner Top (in feet): 0.00
HydroFractured: N
Hydro Fractured Resulting Flow (GPM): 0.00
Well Location Submitted As A Dot On A Map: Y
RecordStatus: A
UOE: Cathy Deyo
DOE: 4/15/2002 12:00:00 AM
UOC: GISLatLongUpdater
DOC: 4/10/2008 12:00:00 AM
WellReportID: 87206

	Starting Depth	Ending Depth	Water Bearing	Lithology Code	Code Description	Lithology Description
View	0.00	3.00		G	Gravel	
View	3.00	285.00		R	Rock, bedrock, ledge, etc.	bedrock

[Home](#)User Name: Password: ☐ Remember me next time.

Date Well Was Completed: 06-15-2006
Date Report Received: 07-18-2006
Well Driller License Number: 53 = Richard Stromberg , Green Mt Well Co Inc
Well Report Number: 34015
Well Number/Tag Number: 34015
Comments: 130. water 271 water
Town: Halifax
Map Cell:
Tax Map:
E-911 Address: 48 Perry Road
Sub Division:
Lot Number:
Owner's First Name: Susan
Owner's Last Name: Rogers
Purchaser's First Name:
Purchaser's Last Name:
Well Use Code: 01 = Domestic
Reason for Well Code: 1 = New Supply
Drilling Equipment Code:
Total Depth of Well (in feet): 280.00
Yield (in GPM): 2.50
Yield Test Tested For (in hours): 0.50
Static Water Level (in feet): 20.00
Well Is Overflowing: N
Depth To Bedrock: 4
Total Casing Length (in feet): 20.40
Casing Diameter (in inches): 6.00
Casing Length Below Land Surface (in feet): 18.90
Casing Length Exposed (in feet): 1.50
Casing Material: 1 = Steel
Casing Weight (in lbs/foot): 17.00
Casing Finish Code:
Length of Liner used (in feet): 0.00
Liner Diameter (in inches): 0.00
Liner Material:
Liner Weight (in lbs/foot): 0.00
Grout Type: 0
Seal Type:
Diameter Drilled In Bedrock (in inches): 0.00
Depth Drilled In Bedrock (in feet): 0.00
Screen Make and Type:
Screen Material:
Screen Length (in feet): 0.00
Screen Diameter (in inches): 0.00
Screen Slot Size (in inches): 0.000
Depth to top of Screen below land surface (in feet): 0.00
Gravel Size or Type:
Method of Sealing Casing Code: 1 = Drive shoe only
Yield Test Method Code:
Well Development Code:
Not Steel Casing: N

Has Water Been Analyzed: N

Well Has Screen: N

AW Partial: N

Unique GIS Name: HA34015

Lat Degree: 42

Lat Minutes: 47

Lat Seconds: 54.0000

Long Degree: 72

Long Minutes: 41

Long Seconds: 23.0000

Location Determination Method:

Well Type: Bedrock

Depth To Liner Top (in feet): 0.00

HydroFractured: N

Hydro Fractured Resulting Flow (GPM): 0.00

Well Location Submitted As A Dot On A
Map: Y

RecordStatus: A

UOE: MARYT

DOE: 1/30/2007 12:00:00 AM

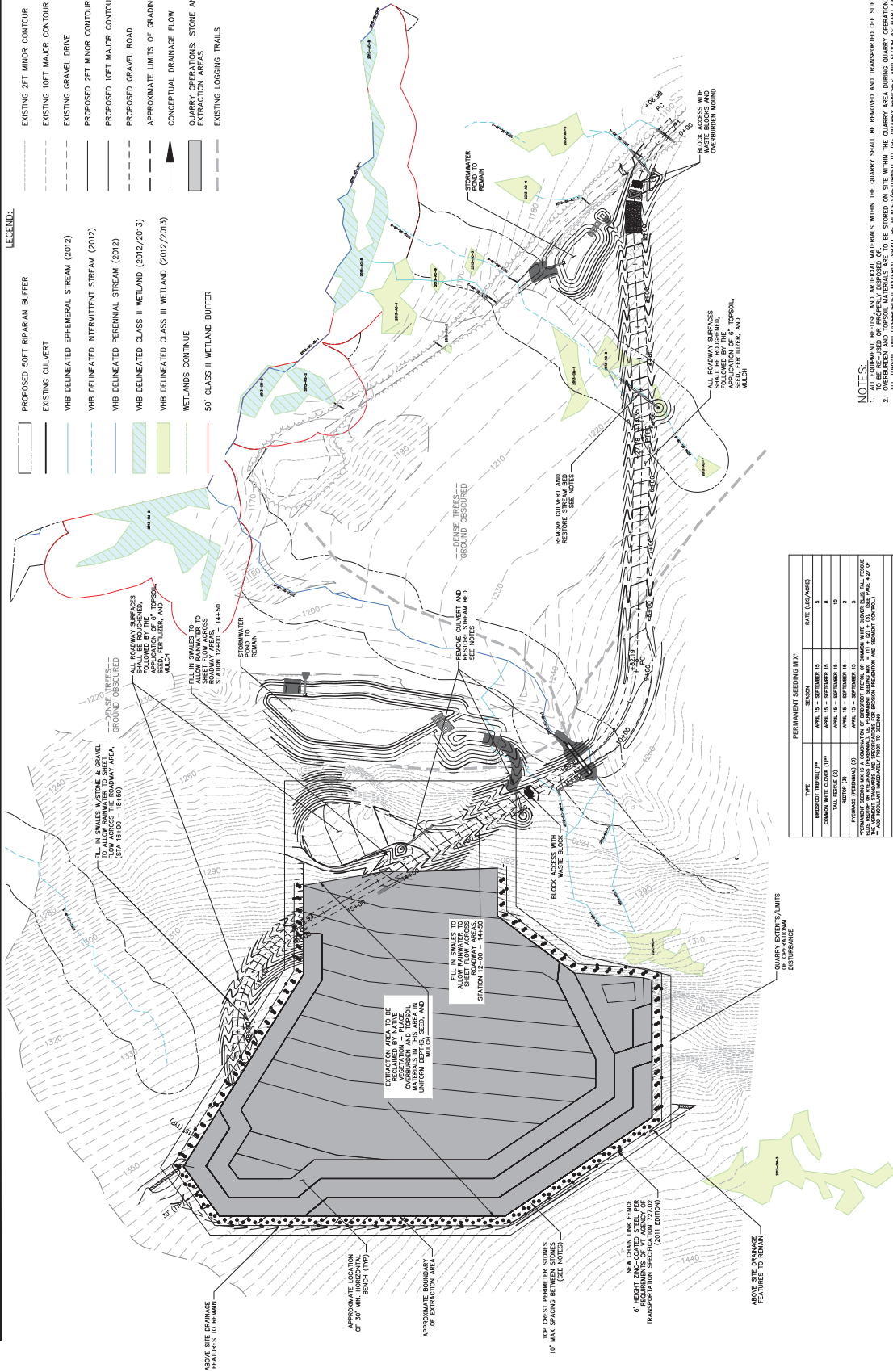
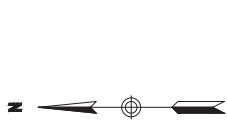
UOC:

DOC:

WellReportID: 101095

	Starting Depth	Ending Depth	Water Bearing	Lithology Code	Code Description	Lithology Description
View	0.00	4.00		H	Hardpan	hardpan, till
View	4.00	37.00		R	Rock, bedrock, ledge, etc.	gray
View	37.00	38.00		R	Rock, bedrock, ledge, etc.	brown soft
View	38.00	280.00		R	Rock, bedrock, ledge, etc.	gray

- LEGEND:**
- PROPOSED 50FT RIPARIAN BUFFER
 - EXISTING COLLECT
 - VHB DELINEATED EPHEMERAL STREAM (2012)
 - VHB DELINEATED INTERMITTENT STREAM (2012)
 - VHB DELINEATED PERENNIAL STREAM (2012)
 - VHB DELINEATED CLASS II WETLAND (2012/2013)
 - VHB DELINEATED CLASS II WETLAND (2017/2013)
 - WETLANDS CONTINUE
 - 50' CLASS II WETLAND BUFFER
 - EXISTING 2FT MINOR CONTOUR
 - EXISTING 10FT MAJOR CONTOUR
 - EXISTING GRAVEL DRIVE
 - PROPOSED 2FT MINOR CONTOUR
 - PROPOSED 10FT MAJOR CONTOUR
 - PROPOSED GRAVEL ROAD
 - APPROXIMATE LIMITS OF GRAZING
 - CONCEPTUAL DRAINAGE FLOW
 - QUARRY OPERATIONS: STONE AND GRAVEL EXTRACTION AREAS
 - EXISTING LOGGING TRAILS



- NOTES:**
1. ALL EXISTING MATERIALS WITHIN THE QUARRY SHALL BE REMOVED AND TRANSPORTED OFF SITE TO BE RE-USED OR PROPERLY DISPOSED OF.
 2. ALL EXISTING MATERIALS WITHIN THE QUARRY SHALL BE PLACED ON SITE WITH THE QUARRY AREA DURING QUARRY OPERATION. ALL TOPSOIL AND OVERBURDEN MATERIAL SHALL BE PLACED/RETURNED TO THE QUARRY AREAS AND FLOORS AS PART OF THE QUARRY OPERATION. ALL EXISTING MATERIALS SHALL BE PLACED/RETURNED TO THE QUARRY AREAS AND FLOORS AS PART OF THE QUARRY OPERATION. ALL EXISTING MATERIALS SHALL BE PLACED/RETURNED TO THE QUARRY AREAS AND FLOORS AS PART OF THE QUARRY OPERATION.
 3. THE RETURN OF ADJACENT NATIVE VEGETATION, THIS SHEET, SEEING MAX TO BE AN UPLAND/CONSERVATION MAX, MAX 10' SPACING BETWEEN STONES. APPROXIMATELY 15' OUT FROM THE TOP CRIST PERIMETER A NEW CHAIN-LINK FENCE SHALL BE INSTALLED (SEE PLAN). STONE BLOCKS ARE TO BE PLACED BETWEEN THE CRIST PERIMETER AND THE QUARRY AREA TO PROMOTE BIODIVERSITY HABITAT. PLACE BLOCKS IN A MANNER THAT CREATES VOIDS/CAVITIES IN THE FILL FOR POTENTIAL DEN.
 4. FOR COLLECTS TO BE REMOVED AFTER QUARRY OPERATIONS ARE COMPLETE.
 5. FINAL SIZE ADJACENT TO STREAMS ARE TO BE NO STEEPER THAN 3:1v.
 6. ALL DISTURBED AREAS OUTSIDE OF THE STREAM ARE TO BE STABILIZED (SEEDED AND MULCHED).

PERMANENT SEDIMENT MIX			
TYPE	SEASON	RATE (LB/AC/IN)	
BRIDGEMAN MATERIAL (1)*	APRIL 15 - SEPTEMBER 15	5	
COMMON WHITE CLAY (1)**	APRIL 15 - SEPTEMBER 15	8	
BRIDGEMAN MATERIAL (2)	APRIL 15 - SEPTEMBER 15	2	
BRIDGEMAN MATERIAL (3)	APRIL 15 - SEPTEMBER 15	5	
*FILL IN SHOALS TO STONE & GRAVEL TO ALLOW ANIMALS TO SHUT OFF FLOW ACROSS STATION 12+00 - 14+50. **FILL IN SHOALS TO STONE & GRAVEL TO ALLOW ANIMALS TO SHUT OFF FLOW ACROSS STATION 12+00 - 14+50. ***FILL IN SHOALS TO STONE & GRAVEL TO ALLOW ANIMALS TO SHUT OFF FLOW ACROSS STATION 12+00 - 14+50.			
UPLAND NATURAL COMMUNITY MIX			
TYPE	SEASON	RATE (LB/AC/IN)	
BRIDGEMAN MATERIAL (1)*	APRIL 15 - SEPTEMBER 15	25	
*FILL IN SHOALS TO STONE & GRAVEL TO ALLOW ANIMALS TO SHUT OFF FLOW ACROSS STATION 12+00 - 14+50. **FILL IN SHOALS TO STONE & GRAVEL TO ALLOW ANIMALS TO SHUT OFF FLOW ACROSS STATION 12+00 - 14+50. ***FILL IN SHOALS TO STONE & GRAVEL TO ALLOW ANIMALS TO SHUT OFF FLOW ACROSS STATION 12+00 - 14+50.			

NTS
Source: VHB