Corrected plan
received 1/21/2021;
Approved by DEC DWGPD

Georgia Station Water System

2020 Source Protection Plan Update

VT0005556

Source Protection Plan Update assistance from:

Vermont
Rural Water Association

Diana Butler December 2020

SOURCE PROTECTION PLAN UPDATE

Georgia Station Water System

VT0005556

Alexandre Bonneville, President
Vermont Water Utilities Inc

1/7/2021

Date

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General

UPDATE SUMMARY

A Source Protection Area (SPA) field investigation and water system overview were performed on December 7, 2020 by Diana Butler, Vermont Rural Water Association, with the assistance of Alexandre Bonneville, Georgia Station Water System. The Georgia Station water system provides drinking water to the Sherwood Forest residential development on Nottingham Drive and Robin Lane in Georgia, Vermont. There are 2 source wells for this Water System, each has their own approved SPA. Because of the general proximity to each other, they are referred to as a single SPA for the purpose of discussion in this plan update.

The Stormwater Permit (5638-9010.R) for the Sherwood Forest development has been removed from the PSOC inventory. The Stormwater permit is for the runoff associated with roof tops and access roads within the Sherwood Forest Development. An annual inspection report on the operation, maintenance and condition of the stormwater collection, treatment and control system is required. The well completion information describes a layer of clay for both source wells which would prove protection from stormwater runoff. Annual monitoring would also identify any observable hazards. In addition the roadways are already considered a high risk PSOC.

Some Water System changes have occurred since the last update. The well pump for Well #2 and the pump wiring have been replaced. The new well pump has a 3 horsepower motor, the old pump was a 5 horsepower motor. New communication controls have been installed at the treatment building for the SCADA system due to a lightning strike at Well #1. A new septic system was installed at a residential property in zone 1 of Well #2. The new septic system is located in front of the residence, the failed system was located in the back of the property closer to the source well. No other land use activities have changed within the SPA since the 2017 update.

This update contains the following revised/new items:

- Photos
- Source Protection Area Maps
- PSOC’s Inventory and Risk Assessment
- Emergency use of an Unpermitted or Unauthorized Water Source Procedures
- Updated Emergency Contact Information
- Notification of Water System Users Procedures
- Shutdown/Start-up Procedures
- Action Items for Implementation
- 2020 Landowner List

BACKGROUND AND PURPOSE

The purpose of a Source Protection Plan (SPP) Update is to identify water system vulnerabilities and to suggest techniques and strategies to manage land uses and activities that potentially may contaminate a public water source. This Source Protection Plan Update applies to 2 drilled bedrock wells in the town of Georgia, Vermont which provides water to the Georgia Station Water System WSID VT0005556.

A Public Water System is defined as “any system(s) or combination of systems owned or controlled by a person, that provides drinking water through pipes or other constructed conveyances to the public and that has at least fifteen (15) service connections or serves an average of at least twenty five (25) individuals daily for at least sixty (60) days out of the year.” (Vermont Water Supply Rule, Chapter 21, Subchapter Section 2.2)

This plan update has been prepared with the assistance of Vermont Rural Water Association. The objective of a Source Protection Plan is to identify potential contamination sources that occur within the Source Protection Area of this public water supply and to provide specific recommendations to manage these potential threats in order to maintain quality drinking water. This document has been prepared in accordance with the Vermont Water Supply Rule, Chapter 21, March 2020 Revision. Under the Rule, a Source Protection Plan consists of the following basic elements:

1. Source Protection Area Maps including:
   - Source identified by name and Drinking Water Groundwater Protection (DWGP) Division source number
   - Associated landowners
   - Potential Sources of Contamination (PSOCs)
   - Source Protection Area Delineation approved by the Secretary
2. An inventory of PSOCs
3. An assessment of risks posed by these PSOCs
4. A management plan to minimize risks to the water source(s)
5. A contingency plan for responding to the loss of the water supply

A Source Protection Plan is a working document that will be reviewed at least annually and updated every three years to remain current, active, and viable. Actions taken by Water System personnel, landowners, and the larger community are key to achieving comprehensive protection.

DESCRIPTION WATER SYSTEM AND WATER SOURCE

The Georgia Station Water System is a Public Community Water System that serves the Sherwood Forest neighborhood (population of approximately 120 people). There are 51 connections and the average daily demand is between 6,000-7,000 gallons. Well water enters the treatment building, flows through the meter, and then enters the storage tank. The well pumps are on an alternating lead/lag schedule. The 2-celled 41,000-gallon concrete storage tank has 2 submersible pumps. From the storage tank water is moved through a 4,930 gallon hydropneumatic tank and into the distribution system. The system has the ability to isolate the storage tank and feed the hydropneumatic tank directly. The system has a stand-by chlorination system which consists of a day tank and chemical feed pump.

Well #1, WL001, was constructed in 1981. It is 223 feet with 208 feet of casing. Well #1 is located approximately 1,500 feet south of Well #2. Well #2, WL002, was constructed in 1990 and was initially drilled to a depth of 209 feet. Well #2 was deepened to 283 feet in 1991. It has 200 feet of casing.

Both wells are located on residential properties with easements for the Water System. Well information is located in **Appendix D**. Below is an informational summary for both wells.

Source Name	Type	Date of Construction	Depth	Casing Length	Diameter
Well #1 WL001	Drilled	1981	223	208	6 in
Well #2 WL002	Drilled	1990 1991	209 283	200	6 in

Source Protection Area

SOURCE PROTECTION AREA DEFINED

A Source Protection Area (SPA) is defined as “the surface and subsurface area through which contaminants are likely to move toward and reach water supplies” (Vermont Water Supply Rule). The purpose of delineating a Source Protection Area is to determine the recharge area that supplies water to a public water source. The recharge area or Source Protection Area for a groundwater source is defined by the nature of subsurface flow and that induced by pumping. Within a Source Protection Area, land uses and/or naturally occurring materials may cause a public water system to be vulnerable to contamination. While naturally occurring contaminants can usually be controlled by treatment methods, potentially contaminating land uses can be managed by activities outlined in a Source Protection Plan. A Source Protection Plan identifies water system vulnerabilities and enumerates techniques to manage potentially contaminating land uses. Source Protection Areas for Public Community Water Systems may be delineated using the following methods:

1. Calculated fixed radius
2. Simplified variable shapes
3. Analytical methods
4. Hydrogeologic mapping
5. Flow models

The Source Protection Area of Public Community Water Systems is further classified into three Zones:

- Zone 1 – 200 foot radius around well (isolation zone)
- Zone 2 – Estimated zone of influence with “probable impacts”
- Zone 3 – Remainder of recharge area (2 year travel time for sewage disposal)

Zone 1: is a 200-foot radius around the well, also known as the isolation zone. This is the area where impacts are likely to be immediate and certain. The isolation zone is the most critical area for protection and should be under the control of the water system. Only activities that are related to the water system should occur within the isolation zone.

Zone 2: Consists of contributions from the monitoring radius as established as part of the Source Interference Testing for new systems and outside Zone 1. This zone is based on

criteria such as water usage and pump test rate and is the area where impacts are probable from potential sources of contamination.

Zone 3: Is the outer most boundary of the Source Protection Area. Zone 3 consists of the remaining recharge area not delineated in Zone 2 and is the area where possible impacts from potential sources of contamination may occur. This area may also be thought of as the area supplying recharge to the public source simply by natural groundwater flow.

A two-year travel time zone is used to identify a protection area to provide adequate protection from pathogen threats resulting from onsite disposal of sewage.

DESCRIPTION OF SOURCE PROTECTION AREA

The Georgia Station Water System SPA is located near the southern border of the Town of Georgia; a small portion is located in the Town of Milton. The SPA covers approximately 165 acres of dense residential area and forested land. Most of the forested area is the common land of Laura Woods, approximately 94 acres. The southern portion of the SPA which is located in the Town of Milton also has forest cover. There are approximately 98 residences within the SPA. The Town of Georgia has zoned this area high density residential. There are several roads within the SPA including Nottingham Drive, Robin Lane, Judy Drive, Waller Road, Austin Road, and Blatchley Road. Stone Bridge Brook is the only surface water body located within the SPA boundaries. Both wells have residences located in the isolation zone (zone 1). The Georgia Station Water System has two seperate and distinct approved Source Protection Areas (SPAs), one for each water source well. The Maps in Appendix B show the delineated SPA boundary for each well. For purposes of discussion, in this plan update, the two SPAs are spoken of as the Source Protection Area (SPA).

Inventory of Potential Source of Contamination and Assessment of Risk

POTENTIAL SOURCES OF CONTAMINATION

Each PSOC is assigned a risk level (Low, Medium, or High) based on several factors. To determine these risk levels, the nature and quantity of the contaminants associated with the land use, and the routes by which the chemicals could potentially reach groundwater, were considered. Potential sources of contamination within the SPA for these sources were identified using the data available from the Vermont Natural Resources Atlas, field inspections, and interviews with Water System personnel to obtain local knowledge. The descriptions of individual PSOCs below match the summary provided.

Inventory & Risk Assessment Table					
PSOC	**Description**	**Property Type/Use**	**Zone**	**PSOCs**	**Risk**
1	Residential Properties: Septic Systems Heating Fuel Storage Tanks Parked/leaking Vehicles Fertilizers/Pesticides/Algaecide Household Hazardous Waste	Residential	1/2/3	VOC's SOC's Nitrates Bacteria	**High**
2	Roadways Nottingham Drive Robin Lane Judy Drive Waller Road Austin Road, Blatchley Road	Transportation	1/2/3	VOC's SOC's	**High**
3	B&B Auto Salvage	Waste Management	3	VOC's SOC's PFAS	**Medium**
4	Stone Bridge Brook	Water Body	2/3	Bacteria	**Low**

PSOC 1 Residential Properties: Both source wells are located in a high density residential area. There is no sewer service in the area so all the homes have septic systems. Improper maintenance can lead to system failure and result in contamination of groundwater. A home located in zone 1 of Well #2 had a septic system fail though the Water System was not impacted. The parcels within the Laura Woods Development have private drilled wells. Groundwater is interconnected and private wells could share the aquifer with the source well. Though many homes have natural gas heat there may be heating fuel tanks on parcels located outside the developments. Heating fuel tanks located in basements may be located near floor drains where leaks could be released outside. Spills during filling of heating fuel tanks can also occur. Improper disposal of hazardous waste and improper use of fertilizer, herbicides and pesticides could happen on any of the parcels within the SPA. Leaking vehicles are always a concern within SPA boundaries. Human behavior is unpredictable. Because of the density of residences within the SPA and the homes located in zone 1 of both source wells this is considered a **High Risk**.

PSOC 2 Roadways: Nottingham Drive is located in zone 1 of Well #1 and adjacent to zone 1 of Well #2. There are 6 paved roads within the SPA boundary these roads are access roads for the residential developments of Sherwood Forest and Laura Woods. Water Quality is susceptible to spills from vehicles traveling on any of the roads within the SPA. Spills/leaks from vehicle accidents including trucks which may haul chemicals or heating fuel is a major concern.

All of these roads have to be maintained during winter months for public safety. Salted sand is applied to most paved roads during plowing. Runoff from road maintenance can reach groundwater.

The well driller's log describes a layer of clay for both source wells which could help to protect groundwater. Any PSOC identified within zone 1 of a source well is considered a **High Risk**.

PSOC 3 B&B Auto Salvage: B&B Auto Salvage has been closed for some time. There have been 2 significant fires at the location. A building burned at the location in 2011. An acre of vehicle tires burned at the site in 2017, the story was covered by the Burlington Free Press. The 2017 fire may have created the potential groundwater contamination resulting from the fire frightening activity as well as chemicals released from the melting tires. This site is approximately 1,700 feet from Well #2 and 2,000 feet from Well #1. Though there is a clay layer identified in the driller logs for both wells the types of potential contaminants are significant, this is considered a **Medium Risk**.

PSOC 4 Stone Bridge Brook: Surface waters may contain pathogens that can impact groundwater and drinking water supplies. Stone Bridge Brook passes within 200 feet of Well #1. The clay layer described in the well completion information likely provides a barrier to contamination of the bedrock aquifer. This is considered a **Low Risk**.

Management of Risk

CURRENT SOURCE PROTECTION MANAGEMENT ACTIVITY

- ✓ The Water System adheres to source water monitoring requirements.
- ✓ Landowners have received letters regarding the SPA in the past.
- ✓ Water System personnel regularly interact with the community members.
- ✓ The 2017 Georgia Municipal Plan identifies the Source Protection Areas on map 4.6 Water Supply Source Protection Areas, Wetland, & Flood Zones for all public water systems within the Town (this map is located in **Appendix B**).
- ✓ The 2017 Georgia Municipal Plan has policies promoting source protection:

SECTION 2. PLAN GOALS AND POLICIES

J) Water Resources

Goal:

To maintain, improve, and protect the quality of Georgia's water resources, including groundwater and surface water.

Policies:

J-1) Following the use of required agricultural practices and best management practice is essential to protect water resources. Accepted forestry practices and/or best management practices are encouraged as a way to protect water resources.

J-2) Future development near surface waters should be low density and low impact.

J-3) As much as reasonably possible, streams, ponds, rivers, and wetlands should be maintained in a natural state and protected from pollutants so they can provide their natural functions. Buffer strips shall be encouraged so as to protect these natural functions.

J-4) Consider impacts to Public Source Water Protection during the development review process.

J-5) Development shall be prohibited on wetlands and hydric soils.

J-6) Development within shoreland and streambank areas shall, where reasonable, maintain existing vegetation, prevent soil erosion, prevent pollution of the water body, and be set back in accordance with established buffers so as not to detract from the natural beauty or cause harm to the environment.

- ✓ The Georgia Municipal Plan recognizes the future need for community wastewater facilities.

SECTION 5. UTILITIES, FACILITIES AND TOWN SERVICES

D. WATER AND SEWER

The southern end of Town is also an area that has been studied for wastewater disposal alternatives and for potential community water systems (see Appendix A). Alternative locations for disposal of collected wastewater have been identified that could be implemented as development occurs in the region around the intersection of U.S. 7 and I-89. As for a recommended source for water, the most practical solution would likely be connection to the Champlain Water District which currently extends through most of Milton. These will have to be given serious consideration in order to implement the vision of the Georgia South Village. There is a large private wastewater system that serves the Georgia Industrial Park

ACTION ITEMS FOR IMPLEMENTATION

- Continue to adhere to the Drinking Water & Groundwater Protection (DWGP) Division's Monitoring Schedule for source water quality.
- Continue to engage with the community. Communication and education is key for promoting protection.
- Have the Source Protection Plan Update available on the Vermont Water Utilities' website for the public to review and reference.
- Work to support the Town of Georgia on future plans for a community wastewater system.
- Distribute informational letter to SPA landowners identified on the landowner list in **Appendix C**. This letter is intended to educate individuals that their actions can directly affect the quality of the drinking water in their community. A copy of the SPA map and the SepticSmart brochure will be included with the letter. The letter will be distributed within one month from the Vermont DWGP Division's approval of this Source Protection Plan Update.

SOURCE WATER PROTECTION PLAN UPDATES

Water system personnel will oversee implementation of the measures outlined in this Source Protection Plan. System representatives may also comment on development proposals that are located within the Source Protection Area. The Water system personnel will perform a detailed survey and inspection of the SPAs every three years to confirm that all parties are following best management practices, and to identify any changes in land uses or property owners. See **Appendix E** for information on updating the plan. The Water System reserves the right to amend or update this plan before the three year submittal cycle has been completed.

Contingency Plan

A Contingency Plan provides procedures that the Water System may take in the event that their source becomes contaminated or quantity declines. The plan may also be implemented if there are problems with the system which requires repair. These situations may result in the loss of water supply for a number of hours, days, weeks, or even permanently. The Contingency Plan specifies names and phone numbers of key people that may be needed to solve a particular problem. In addition to contact information the plan also provides guidance for water user notification; short-term and long-term water supply alternatives; as well as shut down and start-up procedures.

EMERGENCY USE OF AN UNPERMITTED OR UNAUTHORIZED WATER SOURCE

In the event of an emergency situation requiring the water system to use an unpermitted or unauthorized water source, including the emergency use of unpermitted wells, springs, surface water, designated emergency sources, hauled or bulk water, or bottled water, the water system must contact the Drinking Water and Groundwater Protection Division and follow these steps:

1. The Operator or designated representative will notify the Drinking Water and Groundwater Protection Division prior to utilizing the unpermitted or unauthorized source as soon as possible but no later than 12 hours of the connection/use.

2. The Operator or designated representative will provide all public notice as recommended by the Division, which may include issuing a Boil Water, Do Not Drink, or Do Not Use Notification to all users of the Water System. Notifications shall be provided within twelve hours of receiving the Division’s recommendation or as otherwise directed by the Division in writing.

3. The water system will follow all actions and provide all documentation as requested by the Division.

4. The unpermitted and/or unauthorized source shall be used for no more than 90 cumulative days unless the water system has submitted a written request to the Secretary for an extension and the Secretary has determined that there is good cause for granting an extension.

EMERGENCY CONTACT LIST

Vermont Drinking Water & Ground Water Protection Division **David Love 802-585-4902 david.love@vermont.gov** **Jeff Girard 802-585-0314 jeff.girard@vermont.gov**	**802-828-1535** After Hour emergency call Duty Officer 800-347-0488
Operators: Denis Chevalier	802 309 3854
Vermont Water Utilities Inc **Emergency Telephones - 24 hours** Main Company Office Phone Main Company Cell Phone Chevalier Drilling Company	 802 782 8309 802 338 0051 800 248 4082
Vermont State Police- St Albans	911 Non-Emergency: (802) 524-5993
Franklin County Sheriff	911 Non-Emergency: (802) 524-2121
Fire Department: Georgia	911 Non-Emergency: (802) 782-8336
VT Department of Emergency Management-Duty Officer	**800-347-0488**
National Response Center 24-HR HazMat Hot line	**800-474-8802**
VT Waste Management and Prevention **Division 24-HR HazMat Hotline**	**802-828-1138** **800-641-5005**

NOTIFICATION OF WATER SYSTEM USERS

During any type of emergency, either water quality or water quantity, the Water System should notify water users so that they will be informed of the emergency. In the case of a contamination of the water supply, the water system users should be notified by the quickest and most reliable means. This includes public notice to its users prior to any use of or connection to an unpermitted source. The Water System operator will issue a *Boil Water Notice* or a *Do Not Drink* notification when applicable and at the direction of the DWGP Division. User notification will occur in accordance with the Agency's public notification requirements. Notification methods include: social media, local television and radio stations, as well as appropriate printed methods.

Water System users' notification should include the following information:
• An explanation of what has happened.
• How the emergency is being handled.
• What the customer must do.

• How long the measures are anticipated to last.
• Who they can contact for additional information.

SHORT TERM SOLUTIONS

Temporary disruption in the source supply could be compensated by the 46,000 gallons (storage tank + hydropneumatic tank) of storage. With water restrictions enforced the tank could supply the community for a week. Below are some service providers that could provide short term assistance:

Bottler Water Providers		
Misty Meadows	Rutland, VT	802 775 1172
Vermont Heritage	Newport, VT	802 334 2528
Crystal Rock	Williston, VT	800-201-6281
JMJ Beverages/Vermont Pure	Sandwich, MA	508-833-7873
Monadnock Mountain Spring Water	Wilton, NH	603-654-2728
Reinhart Foods	Essex, VT	800-272-5302 802 288 5000
Vermont Natural Water (PEPSI)	Brattleboro, VT	802-254-6093

Bulk Water Haulers					
Name	**Phone #**	**Alternate**	**Website**	**Capacity**	**Water Source**
Fresh Water Hauler (Underhill)	802-658-2223	802 355 4321	www.freshwaterhaulers.com	4600 gallon	Stowe Water District
Pristine Mountain Springs (Stockbridge)	802-746-8186	802-236-3989 cell	https://pristine-mountain-springs.business.site/	8000 gallon (4)	Colton Springs Water Supply
A-1 Water Delivery (St Albans)	802-355-4892	gwright@surfglobal.net	http://a1waterdeliveryvt.com/	4250 gallon	Purchase from Municipality
H2O Express Transport, LLC (Schuylerville, NY)	518-791-2484		www.h2oexpress.com	6200 gallon	City of Troy

LONG TERM SOLUTIONS

The Water System has a treatment building that could accommodate new treatment technologies depending on the type and extent of the contamination. This would be the first option. Drilling another well may be an option but could be difficult in this high density residential area. Connection to another existing public water system would be expensive but possible. The South Georgia Fire District (VT0005121) would be the most likely nearby system that could accommodate the demand.

WATER SYSTEM SHUTDOWN & START-UP PROCEDURES

Shutdown:

- Use the control panel at the treatment building to shut off power to both source well pumps. Each source well can be shut off at the electrical/control panel located at each well location.
- Close the valve located after the meter that allows water to enter the storage tank (Raw Water Isolation Valve).
- If applicable turn off the submersible pumps in the storage tank.
- If applicable turn off the chemical feed pump and close the injection valve.
- If applicable close the valve/valves from the storage tank to the hydropneumatic tank.
- If applicable close the valve to distribution.

Start-up:

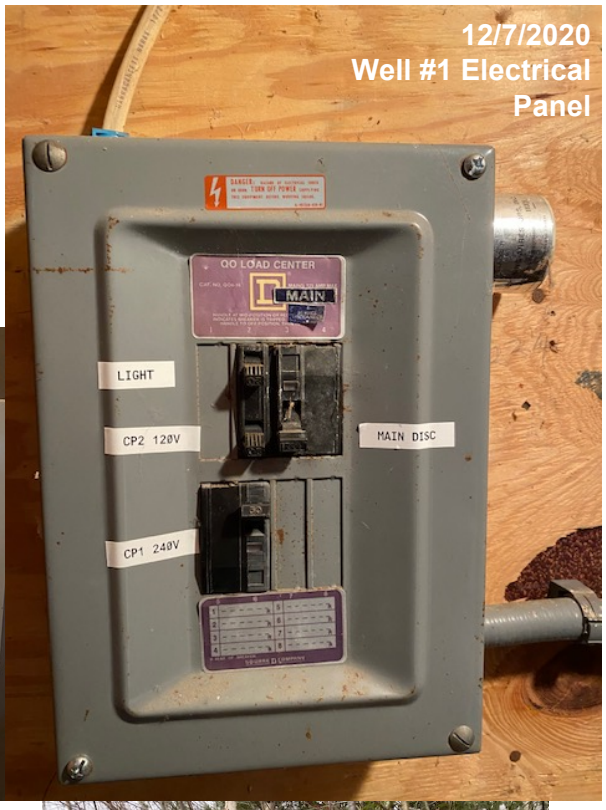
- Ensure all source, treatment, and distribution components are properly functioning.
- Flush appropriate system components if necessary.
- Open the valve to distribution.
- Open the valve/valves from the storage tank to the hydropneumatic tank.
- Turn on the submersible pumps in the storage tank.
- If applicable turn on the chemical feed pump and open the injection valve.
- Open the Raw Water Isolation valve located after the meter.
- Use the control panel at the treatment building to turn on the well pumps.

Appendix A

Water System Photos


12/7/2020
Well #1
WL001


12/7/2020
Well #1
Zone 1



12/7/2020
Well #1 Electrical
Panel

12/7/2020 Well #1 Control Panel

12/7/2020 Well #1

12/7/2020 Well #1 Propane Supply

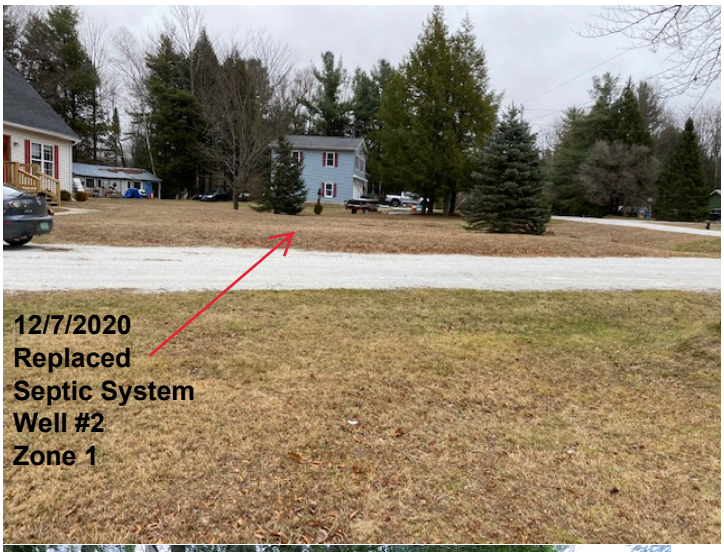

12/7/2020
Well #2
WL002

12/7/2020 Well #2 Control Panel


12/7/2020 Well #2 Control Panel


12/7/2020 Well #2 Zone1


12/7/2020 Well #2 Zone 1

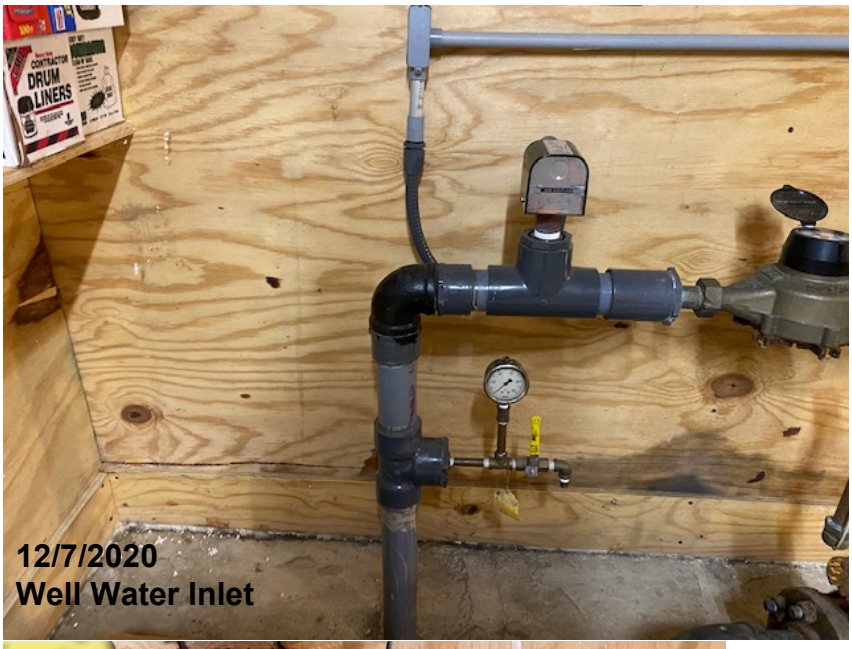

12/7/2020
Replaced
Septic System
Well #2
Zone 1


12/7/2020 Well #2 Zone 1


12/7/2020 Well #2 Zone 1


12/7/2020 Treatment Building


HIGH VOLTAGE
CROSSING UNDERGROUND.
CONTACT POWER AND FUEL
ELECTRICAL DEPT.
BEFORE DIGGING IN THIS AREA
CAUTION
SULPHURIC
ACID
SEC
NORTH
12/7/2020 Treatment Building



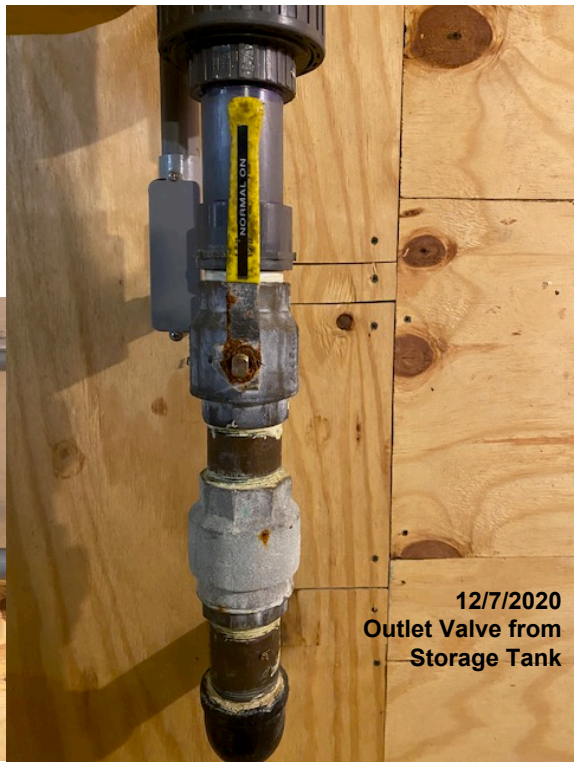
12/7/2020
Well Water Inlet

12/7/2020
Raw Water
Isolation Valve

12/7/2020


12/7/2020
Air Gap
Storage Tank
Bypass to
Hydropneumatic
Tank


12/7/2020
Storage Tank
Bypass Valve
Valve from
Storage Tank to
Hydropnumatic
Tank


NORMAL ON
12/7/2020
Outlet Valve from
Storage Tank

12/7/2020 New Communication Panel

12/7/2020 Control Panel in Treatment Building

12/7/2020 Control Panel

12/7/2020 Hydropneumatic Tank

12/7/2020
Valve to
Distribution

12/7/2020
Hydorpneumatic
Tank Level

12/7/2020 Storage Tank

12/7/2020 Storage Tank Hatches

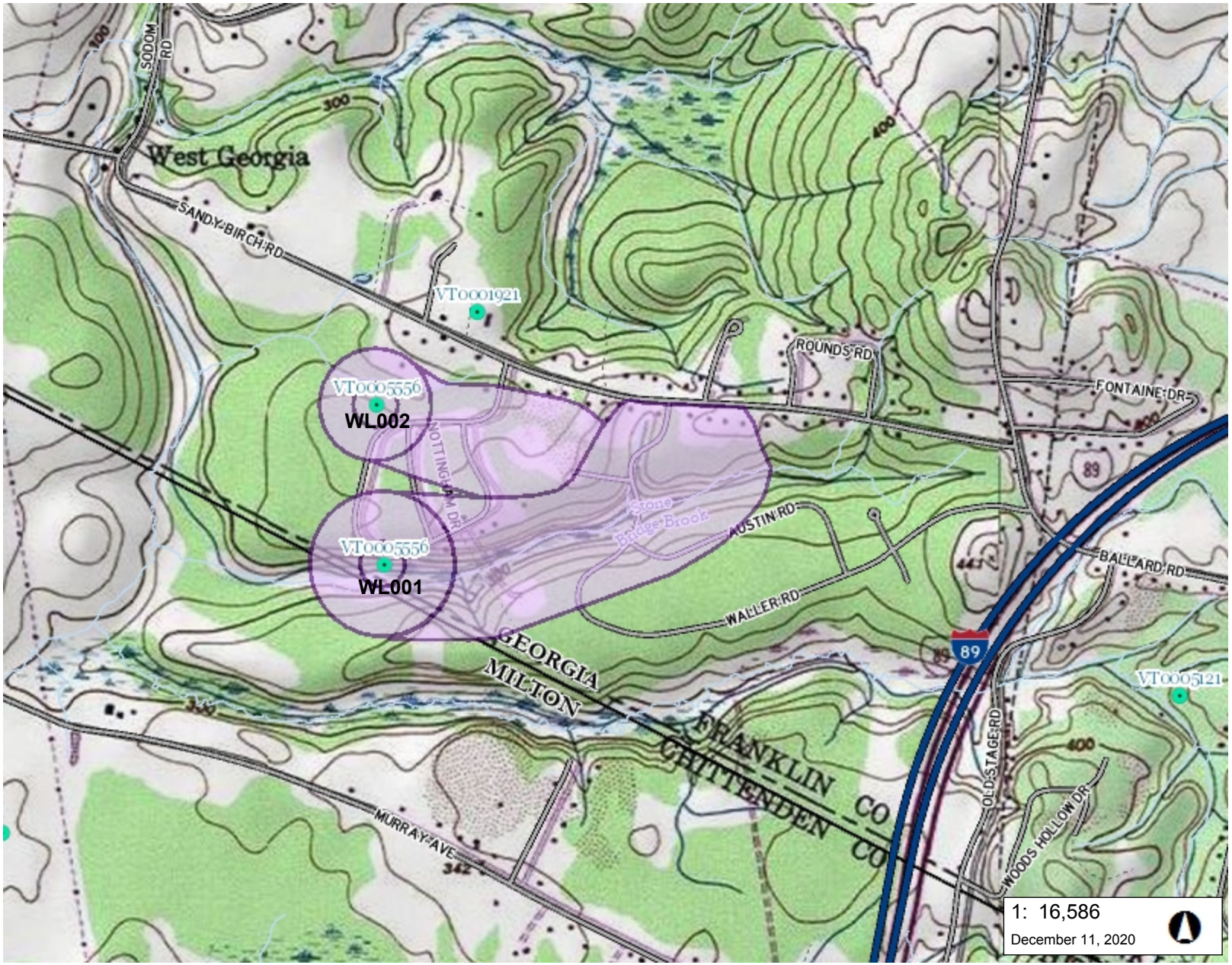
Appendix B

Maps

Georgia Station Water System SPA

Vermont Agency of Natural Resources

vermont.gov



LEGEND

Public Water Sources
- Active
- Proposed
- Inactive

Ground Water SPA
- Active
- Proposed
- Inactive

Roads
- Interstate
- US Highway; 1
- State Highway
- Town Highway (Class 1)
- Town Highway (Class 2,3)
- Town Highway (Class 4)
- State Forest Trail
- National Forest Trail
- Legal Trail
- Private Road/Driveway
- Proposed Roads

Stream/River
- Stream
- Intermittent Stream

Town Boundary

NOTES

WSID VT0005556
topo

843.0 0 422.00 843.0 Meters

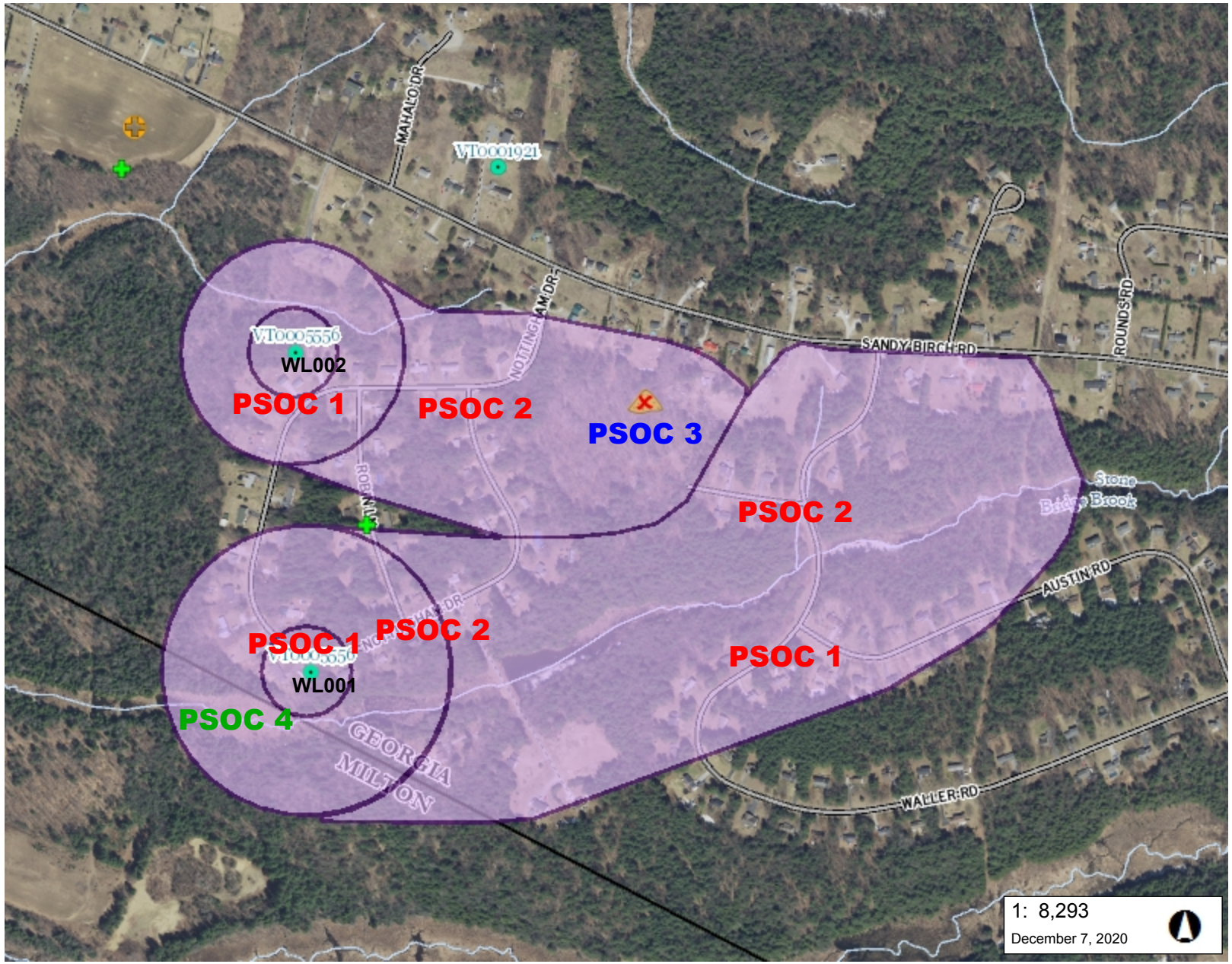
WGS_1984_Web_Mercator_Auxiliary_Sphere 1" = 1382 Ft. 1cm = 166 Meters

THIS MAP IS NOT TO BE USED FOR NAVIGATION

Georgia Station Water System SPA

Vermont Agency of Natural Resources

vermont.gov



LEGEND

Stormwater Permits (Issued)
- Operational
- Construction
- Industrial - NOI
- Industrial - NOX
- Other

Stormwater Permits (Pending)
- Operational
- Construction
- Industrial - NOI
- Industrial - NOX
- Other

Landfills
- OPERATING
- CLOSED

- Hazardous Site
- Hazardous Waste Generators
- Brownfields
- Salvage Yard
- Aboveground Storage Tank
- Underground Storage Tank (w

Public Water Sources
- Active
- Proposed
- Inactive

Ground Water SPA
- Active

NOTES

WSID VT0005556
PSOCs

421.0 0 210.00 421.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere 1" = 691 Ft. 1cm = 83 Meters

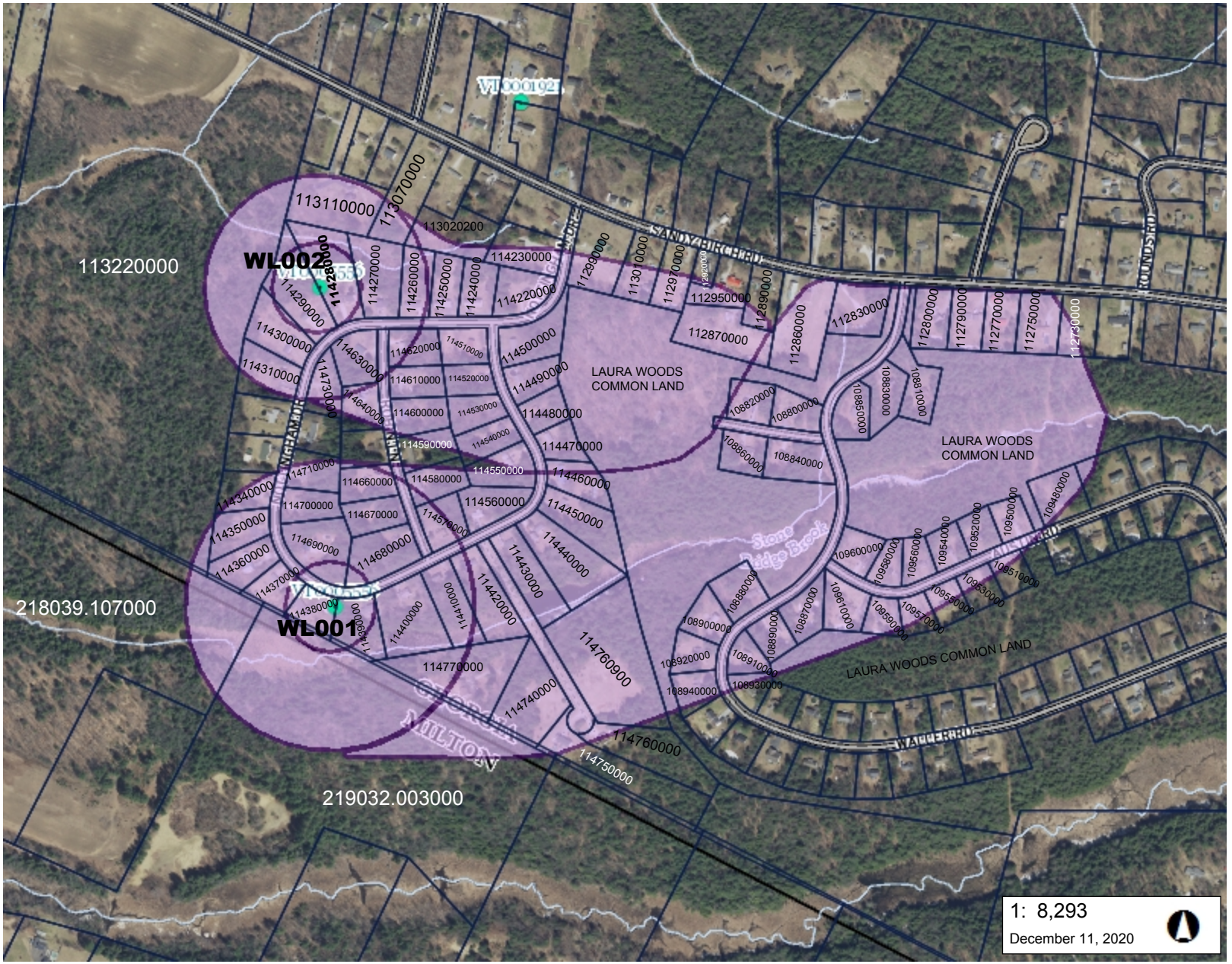
THIS MAP IS NOT TO BE USED FOR NAVIGATION

VERMONT

Georgia Station Water System SPA

Vermont Agency of Natural Resources

vermont.gov



1: 8,293

December 11, 2020

421.0 0 210.00 421.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere 1" = 691 Ft. 1cm = 83 Meters

THIS MAP IS NOT TO BE USED FOR NAVIGATION

LEGEND

Public Water Sources
- Active
- Proposed
- Inactive

Ground Water SPA
- Active
- Proposed
- Inactive

Parcels (standardized)

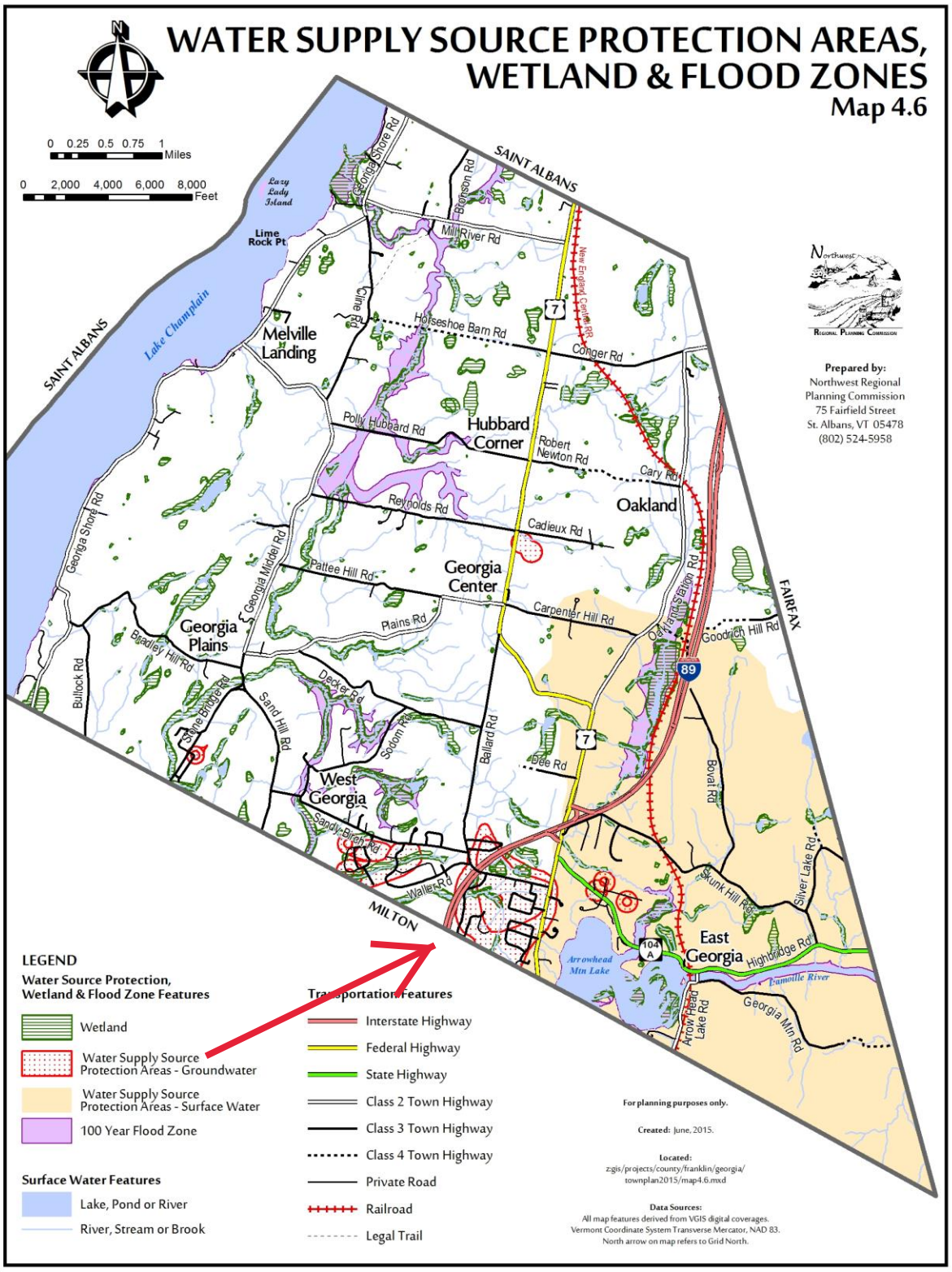
Roads
- Interstate
- US Highway; 1
- State Highway
- Town Highway (Class 1)
- Town Highway (Class 2,3)
- Town Highway (Class 4)
- State Forest Trail
- National Forest Trail
- Legal Trail
- Private Road/Driveway
- Proposed Roads

Stream/River
- Stream
- Intermittent Stream

Town Boundary

NOTES

WSID VT0005556
parcels


WATER SUPPLY SOURCE PROTECTION AREAS, WETLAND & FLOOD ZONES
Map 4.6
0 0.25 0.5 0.75 1 Miles
0 2,000 4,000 6,000 8,000 Feet
SAINT ALBANS
Lake Champlain
Lazy Lady Island
Lime Rock Pt
Georgia Shore Rd
Bronson Rd
Mill River Rd
New England Central RR
Melville Landing
Lime Kiln Rd
Horseshoe Barn Rd
Conger Rd
Polly Hubbard Rd
Hubbard Corner
Robert Newton Rd
Cary Rd
Oakland
Reynolds Rd
Cadieux Rd
Georgia Center
Pattee Hill Rd
Carpenter Hill Rd
Oakland Station Rd
FAIRFAX
Goodrich Hill Rd
Georgia Middle Rd
Georgia Plains
Plains Rd
Bradley Hill Rd
Bullock Rd
Stone Bridge Rd
Sand Hill Rd
Decker Rd
Sodom Rd
Ballard Rd
Dee Rd
West Georgia
Sandy Birch Rd
Waller Rd
MILTON
Boyal Rd
Skunk Hill Rd
Silver Lake Rd
East Georgia
Highbridge Rd
Arrowhead Mtn Lake
Lamoille River
Arrow Head Lake Rd
Georgia Mtn Rd
Prepared by:
Northwest Regional Planning Commission
75 Fairfield Street
St. Albans, VT 05478
(802) 524-5958
LEGEND
Water Source Protection, Wetland & Flood Zone Features
Wetland
Water Supply Source Protection Areas - Groundwater
Water Supply Source Protection Areas - Surface Water
100 Year Flood Zone
Surface Water Features
Lake, Pond or River
River, Stream or Brook
Transportation Features
Interstate Highway
Federal Highway
State Highway
Class 2 Town Highway
Class 3 Town Highway
Class 4 Town Highway
Private Road
Railroad
Legal Trail
For planning purposes only.
Created: June, 2015.
Located: z:gis/projects/county/franklin/georgia/townplan2015/map4.6.mxd
Data Sources:
All map features derived from VGIS digital coverages.
Vermont Coordinate System Transverse Mercator, NAD 83.
North arrow on map refers to Grid North.

Appendix C

2020 Landowner Lists & Landowner Letter

2020 Landowner's Source Protection Area WSID VT0005556			
Acres	Landowner	Property ID	Owner Mailing Address
58.00	SANDY BIRCH ROAD LLC	113220000	744 POND RD FAIRFIELD, VT, 05455
5.00	LAMOY JOHN & SHEILA	113110000	1049 SANDY BIRCH RD MILTON, VT, 05468
2.57	GREENSLET PATRICK & JO A	113070000	1003 SANDY BIRCH RD MILTON, VT, 05468-4321
1.57	COBB HEBRON V & MARJORIE B	113020200	16 NOTTINGHAM DR MILTON, VT, 05468-4296
1.34	LUMBRA AARON	114230000	50 NOTTINGHAM DR MILTON, VT, 05468
1.50	BREEN CONNOR & TYLER	112990000	29 NOTTINGHAM DR GEORGIA, VT, 05468
1.14	WOLCOTT GREGORY S SR &, TREMBLAY JEANNINE	113010000	819 SANDY BIRCH RD MILTON, VT, 05468-4295
1.11	WESTON RICHARD J REVOCABLE TRUST	112970000	205 BROWNS RIVER ROAD ESSEX JCT, VT, 05452
0.33	HOGABOOM LOREN A	112920000	759 SANDY BIRCH RD MILTON, VT, 05468
1.00	RUSHLOW RODNEY & WENDY	112950000	735 SANDY BIRCH RD MILTON, VT, 05468
0.90	DAVIS BEAU J	112890000	699 SANDY BIRCH RD MILTON, VT, 05468-4290
1.19	WELLS FRANK & DEENA	112870000	667 SANDY BIRCH RD MILTON, VT, 05468
2.25	WELLS FRANK & DEENA	112860000	667 SANDY BIRCH RD MILTON, VT, 05468
1.29	PRESTON BROCK & LAURA	112830000	645 SANDY BIRCH RD GEORGIA, VT, 05468
≈94	LAURA WOOD'S HOA COMMON LAND		https://lauraswoodsvermont.wordpress.com
1.00	WOODWARD FRANK J III & DEBORAH	112800000	557 SANDY BIRCH RD MILTON, VT, 05468
1.00	BLAIS-ARMELL TINA & ARMELL SCOTT	112790000	PO BOX 2054 MILTON, VT, 05468
1.00	BADGER DAVID	112770000	523 SANDY BIRCH RD MILTON, VT, 05468
1.14	COUTURE MARK & PATRICIA	112750000	PO BOX 2092 GEORGIA, VT, 05468
1.00	SHELDON CARLTON & GAIL	112730000	459 SANDY BIRCH RD MILTON, VT, 05468
1.84	PARKER BRAD & ALYSSA	114280000	262 NOTTINGHAM DR MILTON, VT, 05468
1.04	PECK MATTHEW & SERENA	114270000	232 NOTTINGHAM DR MILTON, VT, 05468
0.97	DESAUTELS HALLIE A	114260000	212 NOTTINGHAM DR MILTON, VT, 05468
0.84	BARAL RICHARD & ROCHELEAU DAVID M &, BARAL NANCY J	114250000	186 NOTTINGHAM DR MILTON, VT, 05468-4297
0.88	KLINE KEITH & LISA B	114240000	156 NOTTINGHAM DR MILTON, VT, 05468-4297
0.87	CASSELMAN PETER, HOYT ERIC B	114220000	112 NOTTINGHAM DR GEORGIA, VT, 05468
1.65	LAGRO RICHARD	114290000	280 NOTTINGHAM DR MILTON, VT, 05468-9025
0.92	LOWRY GERTRUDE	114300000	308 NOTTINGHAM DR MILTON, VT, 05468-4309
0.85	BURNELL KARYN	114310000	332 NOTTINGHAM DR MILTON, VT, 05468
0.79	RYAN ROBERT D & CHRISTINE REICHARD	114340000	426 NOTTINGHAM DR GEORGIA, VT, 05468

0.86	ENMAN NICHOLAS J & CHARITY A	114350000	448 NOTTINGHAM DR MILTON, VT, 05468-4307
0.89	SMITH DENNIS &, SHUEH LING	114360000	472 NOTTINGHAM DR MILTON, VT, 05468
0.79	SHANGRAW JOSHUA A & ILONA M	114370000	492 NOTTINGHAM DR MILTON, VT, 05468-4307
0.76	SPEAR SARA J	114380000	514 NOTTINGHAM DR MILTON, VT, 05468-4305
0.96	VARDARO VINCENT EDWARD & TRICIA JOY	114390000	550 NOTTINGHAM DR MILTON, VT, 05468-4305
2.1	BUCKMAN KYLE R &, BUTTON ABIGAIL R	114400000	578 NOTTINGHAM DR MILTON, VT, 05468-4305
1.26	CARROLL ARTHUR & LINDA	114410000	622 NOTTINGHAM DR MILTON, VT, 05468
1.75	COLLINS KATHLEEN & PUTNAM MICHAE	114420000	638 NOTTINGHAM DR MILTON, VT, 05468
1.52	MARTEL TIMOTHY & RUTH	114430000	678 NOTTINGHAM DR MILTON, VT, 05468
2.14	JENKINS MICHAEL & KRISTINA	114440000	702 NOTTINGHAM DR MILTON, VT, 05478
1.5	MENARD JESSICA L	114450000	726 NOTTINGHAM DR MILTON, VT, 05468-4313
0.78	BRANON GREGORY & KAREN	114460000	742 NOTTINGHAM DR MILTON, VT, 05468
0.65	HAYDEN TIMOTHY & BRENDA	114470000	764 NOTTINGHAM DR MILTON, VT, 05468
0.7	WHITNEY JAY & KAREN	114480000	786 NOTTINGHAM DR MILTON, VT, 05468
0.7	CALACCI MATTHEW & BRIDGET,	114490000	824 NOTTINGHAM DR MILTON, VT, 05468
1.11	FLYE DAVID	114500000	860 NOTTINGHAM DR MILTON, VT, 05468
0.76	HALL WALLACE & LINDA	114730000	315 NOTTINGHAM DR MILTON, VT, 05468
0.86	CAMPION JAMES	114630000	22 ROBIN LN MILTON, VT, 05468
0.73	BONNEVILLE ALEXANDRE	114640000	60 ROBIN LN MILTON, VT, 05468-4302
0.86	WHITE DAVID ANDREW & PAULA JEAN	114710000	393 NOTTINGHAM DR, MILTON, VT 05468
0.92	BURNHAM JACOB	114700000	425 NOTTINGHAM DR MILTON, VT, 05468-4306
1.53	PARKER DEREK A & WENDY	114690000	491 NOTTINGHAM DR MILTON, VT, 05468
0.79	CRICHTON ROBERT D & BONNIE C	114660000	128 ROBIN LN MILTON, VT, 05468
0.75	FISK ROBERT L & PEGGY S	114670000	154 ROBIN LN MILTON, VT, 05468
0.7	DAWICKI DONALD & JENNIFER	114680000	180 ROBIN LN MILTON, VT, 05468
1	TURNER D JOSHUA	114620000	17 ROBIN LANE GEORGIA, VT, 05468
0.79	BOLDWIN DAVID & TRACY	114610000	45 ROBIN LN MILTON, VT, 05468
1	BRANN KATHLEEN P	114600000	77 ROBIN LN GEORGIA, VT, 05468
0.89	KLINE BASIL R	114590000	115 ROBIN LN MILTON, VT, 05468
1	LEMAIRE WILLIAM & DONNA	114580000	139 ROBIN LN MILTON, VT, 05468
0.92	VERHELST ROGER A & JENNIFER A	114570000	183 ROBIN LN MILTON, VT, 05468
0.74	BOOMER JOSEPH II & CHRISTINE	114510000	847 NOTTINGHAM DR MILTON, VT, 05468-4315
0.7	THEORET DANIEL & FRANNY	114520000	831 NOTTINGHAM DR MILTON, VT, 05468
0.7	PENDRIS JAMES & JANET	114530000	803 NOTTINGHAM DR GEORGIA, VT, 05468
0.75	FURNESS STEVEN TRUSTEE	114540000	785 NOTTINGHAM DR MILTON, VT, 05468
0.75	BOISVERT GREGORY F, BOISVERT KIMBERLY A	114550000	761 NOTTINGHAM DR GEORGIA, VT, 05468
1	MORGAN JOHN & CRYSTIE	114560000	669 NOTTINGHAM DR MILTON, VT, 05468
3	GIROUX ANDREW	114770000	108 JUDY LN GEORGIA, VT, 05468

2.15	GILES ALLEN & AKEY-GILES SUSAN T	114740000	170 JUDY LN GEORGIA, VT, 05468
4.94	GEORGIA TOWN OF, SHERWOOD FOREST AREA	114760900	47 TOWN COMMON RD N SAINT ALBANS, VT, 05478-6089
2.06	REYNOLDS THOMAS & LORI	114760000	184 JUDY DR MILTON, VT, 05468
2.86	PINARD MARTIN E & SUZANNE	114750000	172 JUDY LN MILTON, VT, 05468-4389
110	BISSONETTE ERIC	218039.107000	413 HIBBARD RD MILTON, VT, 05468
71.98	SMITH REGINALD L & THERESA A	219032.003000	365 MURRAY AVE MILTON, VT, 05468
0.82	WERTS ZEV D &, KALLFELZ PATTI	108820000	72 BLATCHLEY RD GEORGIA, VT, 05468
0.72	UTTECHT ALVIN LEE II &, UTTECHT JENNIFER HOOVER	108800000	42 BLATCHLEY RD MILTON, VT, 05468
0.78	KRONOFF DAVID J & LINDA M	108860000	63 BLATCHLEY RD GEORGIA, VT, 05468
1.05	MAGNUS KEVIN & SUSAN	108840000	35 BLATCHLEY RD MILTON, VT, 05468
0.69	LEFEBVRE GREG S & LISA M	108850000	1150 WALLER RD MILTON, VT, 05468
0.88	BYRNE CHRISTOPHER J JR & NATALIE M	108830000	1170 WALLER RD GEORGIA, VT, 05468
1.02	WHITE ANDREW S & CARRIE B	108810000	1184 WALLER RD GEORGIA, VT, 05468
0.71	SCHULTZ RONALD D & JANICE F	109600000	440 AUSTIN RD GEORGIA, VT, 05468
0.51	WALTERS WLLIAM & CHRISTIN	109580000	392 AUSTIN RD MILTON, VT, 05468
0.56	PARAH NATHAN & RENAE	109560000	368 AUSTIN RD MILTON, VT, 05468-4219
0.58	DESAUTELS DANIEL & BOBBI JO	109540000	336 AUSTIN RD MILTON, VT, 05468-4219
0.58	CALCAGNI DEANE VINCENT/ELIZABETH SESERA	109520000	312 AUSTIN RD MILTON, VT, 05468-4219
0.57	DOW DAVID A & JOANNE L	109500000	284 AUSTIN RD MILTON, VT, 05468-4218
1.03	YANDOW JOHN T &, JOCELYN KRISTIAN V	109480000	240 AUSTIN RD MILTON, VT, 05468
0.58	BARNES JONATHAN & KATHERINE	109510000	303 AUSTIN RD GEORGIA, VT, 05468
0.58	COLGAN GARY J & BONNIE D	109530000	333 AUSTIN RD MILTON, VT, 05468
0.59	BULLIS THOMAS W & COLLEEN R	109550000	353 AUSTIN RD MILTON, VT, 05468
0.55	BAILEY DAVID ALEX & KARPF CELESTE F	109570000	387 AUSTIN RD MIILTON, VT, 05468-4222
0.56	STECH JOEL & LINDA	109590000	403 AUSTIN RD MILTON, VT, 05468
0.94	FORD JERRY M & SHERI J	109610000	433 AUSTIN RD MILTON, VT, 05468
0.83	ALEXANDER BRIDGET & TOBY	108870000	934 WALLER ROAD GEORGIA, VT, 05468
0.68	MCCOY DAVID & BRENDA	108890000	912 WALLER RD MILTON, VT, 05468
0.49	O'BRIEN PATRICK & MELISSA	108910000	870 WALLER RD MILTON, VT, 05468
0.48	WILSON RICHARD & LINDA	108930000	816 WALLER RD MILTON, VT, 05468
0.88	VIAU DAVID J & CHRISTINE A	108880000	919 WALLER RD MILTON, VT, 05468-4233
0.73	SICOTTE MATTHEW R & MARGARET A	108900000	879 WALLER RD MILTON, VT, 05468-4234
0.65	JANOFSKY JOHN P	108920000	863 WALLER RD MILTON, VT, 05468-4234
0.65	BREMNER JASON D & DANIELLE L	108940000	837 WALLER RD MILTON, VT, 05468-4234

Georgia Station Water System

Dear Landowner:

The Georgia Station Water System has developed a Source Protection Plan. The purpose of a Source Protection Plan is to identify vulnerabilities and to outline strategies to manage land uses and activities that potentially may contaminate a public water source. A copy of the Source Protection Plan can be found on the Vermont Utilities Inc website: https://www.vwui.com/

Attached is a map of the Source Protection Area (SPA) and an information brochure about maintaining your septic system.

The SPA defines the land surface area that is believed to contribute to our drinking water source. Your land is located in the source protection area and you may have already received letters previously. Within a source protection area, human land uses and naturally occurring materials may cause a public water system to become vulnerable to contamination. Land use activities that occur within a Source Protection Area have the ability to negatively impact a water source. For example, activities such as improperly disposing of household hazardous wastes and motor oil; septic system failures; pesticide/fertilizer/herbicide application; and spillage of gasoline or home heating fuel all have the potential to contaminate a water source. Many of the negative impacts associated with these activities can be avoided with good management. Property owners are often able to manage their land uses to further lower the risk of contamination.

Please feel free to contact us with any questions or concerns.

Sincerely,

Vermont Water Utilities Inc
802-782-8309
info@vwui.com

Do Your Part. Be SepticSmart!

Shield Your Field

Divert rain and surface water away and avoid parking vehicles and planting trees on your drainfield.

Don't Overload the Commode

Don't flush diapers, wipes or other items meant for a trashcan down the toilet.

Toilet paper only

Think at the Sink

Limit use of your garbage disposal and avoid pouring fats, grease, solids and harsh chemicals down the drain.

Don't Strain Your Drain

Use water efficiently and stagger use of water-based appliances, such as your washing machine or dishwasher.

Drainfield

Septic Tank

Well

Groundwater Recharge

Aquifer

Protect It and Inspect It

A typical septic system should be serviced every one to three years by a septic service professional.

Pump Your Tank

Ensure your septic tank is pumped at regular intervals as recommended by a professional.

Keep It Clean

If you are on a well, test your drinking water regularly to ensure it remains clean and free of contamination.

EPA
830-F-180-03 | May 2018

Appendix D

Well Completion Information

WL002

Date Well Was Completed: 06-14-1990

Date Report Received: 08-21-1990

Well Driller License Number: 36 = , Chevalier Drilling Company Inc

Drilled By:

Well Report Number: 685

Well Number/Tag Number: 93/424A

Comments:

Town: Georgia

Map Cell: 12A8

Tax Map:

E-911 Address:

Sub Division:

Lot Number:

Owner's First Name: ROD

Owner's Last Name: REYNOLDS

Purchaser's First Name:

Purchaser's Last Name:

Well Use Code: 01 = Domestic

Reason for Well Code: 5 = Provide additional supply

Drilling Equipment Code: 2 = Rotary (AP)

Total Depth of Well (in feet): 209.00

Yield (in GPM): 100.00

Yield Test Tested For (in hours): 0.00

Static Water Level (in feet): 0.00

Well Is Overflowing: N

Date Measured:

Depth To Bedrock (in feet): 196.00

Total Casing Length (in feet): 200.00

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

Liner Type:

Grout Type:

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: 3 = Shoe & grout bottom

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: GA685

Latitude: 44.69647

Longitude: -73.14582

Well Not Visible At Latitude/Longitude: N

Location Determination Method: 14 = GPS location

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: N

Abandoned Per Water Supply Rule: N

Date Of Abandonment:

Reason For Abandonment:

Well Driller Supervising Abandonment:

Date Of Deepening or Hydrofracture:

Well Driller Deepened/Fractured:

Provided VDH Info To Owner: N

Signed Form:

RecordStatus: A

UOE:

DOE:

UOC: Tim Phillips

DOC: 1/8/2019 9:40:11 AM

WellReportID: 22709

Lithology

Starting Depth	Ending Depth	Water Bearing	Lithology Code	Code Description	Lithology Description
0.00	10.00		S	Sand	SAND
10.00	30.00		S	Sand	TIGHTLY PACKED FINE SAND
30.00	55.00		BC	Clay and boulders	CLAY & STONES
55.00	65.00		C	Clay	CLAY
65.00	80.00		BC	Clay and boulders	CLAY & STONES
80.00	110.00		C	Clay	TIGHT BLUE CLAY
110.00	192.00		C	Clay	SLUMPING BLUE CLAY
192.00	196.00		GT	Gravel & till	GRAVELLY TILL
196.00	198.00		R	Rock, bedrock, ledge	BROKEN ROCK
198.00	209.00		R	Rock, bedrock, ledge	SHALE

Change Log

Date Of Change	User Who Changed	Field Name	New Value	Old Value
1/8/2019 9:40:11 AM	Tim Phillips	WellType	Bedrock	
2/2/2018 10:42:48 AM	Tim Phillips	LocationDeterminationMethod	14	4
8/25/2016 9:05:00 AM	Tim Phillips	Longitude	-73.1458200000000	-73.1473000000000
8/25/2016 9:05:00 AM	Tim Phillips	Latitude	44.6964700000000	44.6960200000000

Date Well Was Completed: 05-27-1992

Date Report Received: 09-01-1993

Well Driller License Number: 129 = Martin Rabtoy , Rabtoy & Sons Inc

Drilled By:

Well Report Number: 780

Well Number/Tag Number: 9236

Comments:

Town: Georgia

Map Cell: 12A7

Tax Map:

E-911 Address:

Sub Division:

Lot Number:

Owner's First Name: STEVE

Owner's Last Name: REYNOLDS

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): 280.00

Yield (in GPM): 6.00

Yield Test Tested For (in hours): 0.00

Static Water Level (in feet): 15.00

Well Is Overflowing: N

Date Measured:

Depth To Bedrock (in feet): 22.00

Total Casing Length (in feet): 30.00

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

Liner Type:

Grout Type:

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: GA780

Latitude: 44.71724

Longitude: -73.16197

Well Not Visible At Latitude/Longitude: N

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: N

Abandoned Per Water Supply Rule: N

Date Of Abandonment:

Reason For Abandonment:

Well Driller Supervising Abandonment:

Date Of Deepening or Hydrofracture:

Well Driller Deepened/Fractured:

Provided VDH Info To Owner: N

Signed Form:

RecordStatus: A

UOE:

DOE:

UOC: Tim Phillips

DOC: 1/8/2019 9:40:12 AM

WellReportID: 22803

Lithology

Starting Depth	Ending Depth	Water Bearing	Lithology Code	Code Description	Lithology Description
0.00	22.00		CG	Clay and gravel	CLAY GRAVEL
22.00	30.00		R	Rock, bedrock, ledge	ROCK SOFT
30.00	280.00		R	Rock, bedrock, ledge	ROCK

Change Log

Date Of Change	User Who Changed	Field Name	New Value	Old Value
1/8/2019 9:40:12 AM	Tim Phillips	WellType	Bedrock	

WL001

Date Well Was Completed: 04-28-1981

Date Report Received: 04-28-1981

Well Driller License Number: 36 = , Chevalier Drilling Company Inc

Drilled By:

Well Report Number: 326

Well Number/Tag Number:

Comments:

Town: Georgia

Map Cell: 12A8

Tax Map:

E-911 Address:

Sub Division:

Lot Number:

Owner's First Name: ROD

Owner's Last Name: REYNOLDS INC

Purchaser's First Name:

Purchaser's Last Name:

Well Use Code: 16 = OTHER

Reason for Well Code:

Drilling Equipment Code: 2 = Rotary (AP)

Total Depth of Well (in feet): 223.00

Yield (in GPM): 55.00

Yield Test Tested For (in hours): 0.00

Static Water Level (in feet): 0.00

Well Is Overflowing: N

Date Measured:

Depth To Bedrock (in feet): 201.00

Total Casing Length (in feet): 208.00

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

Liner Type:

Grout Type:

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: GA326

Latitude: 44.69259

Longitude: -73.14556

Well Not Visible At Latitude/Longitude: N

Location Determination Method: 14 = GPS location

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: N

Abandoned Per Water Supply Rule: N

Date Of Abandonment:

Reason For Abandonment:

Well Driller Supervising Abandonment:

Date Of Deepening or Hydrofracture:

Well Driller Deepened/Fractured:

Provided VDH Info To Owner: N

Signed Form:

RecordStatus: A

UOE:

DOE:

UOC: Tim Phillips

DOC: 1/8/2019 9:40:08 AM

WellReportID: 22362

Lithology

Starting Depth	Ending Depth	Water Bearing	Lithology Code	Code Description	Lithology Description
0.00	30.00		S	Sand	sand
30.00	175.00		C	Clay	blue clay
175.00	201.00		H	Hardpan	hardpan and clay
201.00	223.00		R	Rock, bedrock, ledge	shale

Change Log

Date Of Change	User Who Changed	Field Name	New Value	Old Value
1/8/2019 9:40:08 AM	Tim Phillips	WellType	Bedrock	
1/25/2018 9:01:44 AM	Tim Phillips	LocationDeterminationMethod	14	4
8/25/2016 9:05:00 AM	Tim Phillips	Longitude	-73.1455600000000	-73.1497700000000
8/25/2016 9:05:00 AM	Tim Phillips	Latitude	44.6925900000000	44.6993300000000

Appendix E

Source Protection Plan Update Instructions

PREPARING A SOURCE PROTECTION PLAN UPDATE

Guidance for Public Community and Non-Transient-Non Community Water Systems

With the adoption of the new Water Supply Rule on December 29, 2000, all public community and non-transient, non-community water systems must update their approved Source Protection Plans *every three years*. Prior to this Rule, the updates were required annually. Source Protection Plan (SPP) Updates are also required for all water systems applying for Phase II/V monitoring waivers and waiver renewals. This information sheet gives guidance on how to prepare a Source Protection Plan Update.

Summary of Steps for Updating a Source Protection Plan

- ✓ Inspect the Source Protection Area and Update PSOC Maps and Inventory
- ✓ Weigh Risks from New PSOCs and Identify Risk Management Measures
- ✓ Update Landowner List
- ✓ Communicate with Relevant Landowners and Town/County/State Officials
- ✓ Make sure your Contingency Plan Information is Current
- ✓ Summarize Progress in Reducing Threats to your Source

Inspect the Source Protection Area and Update Your PSOC Maps and Inventory

Visually inspect the Source Protection Area and review the potential sources of contamination (PSOCs) identified in your original Source Protection Plan or most recent SPP Update. Note any key changes. Is the local farmer still using the same pesticides and fertilizers on crop land? Check for any evidence of new land uses or activities that may threaten the water source. Has a new residence been constructed? If so, does it have a septic system? What fuel is used for heating the home? Discuss any important changes you have discovered. Modify your PSOC Inventory and PSOC map to reflect your observations.

Weigh the Risks from New PSOCs and Identify Risk Management Measures

Determine the risk level posed by any new potential source of contamination you have found. Then outline the management measure you intend to use to reduce the risk. In many cases the management measure can be as simple as communicating with the landowner and asking for assistance in protecting the water supply. If you think of a new way to manage the risk from a previously identified PSOC, take the time to outline your ideas and plans in the update.

Update Your Landowner List

Visit your town clerk=s office to determine whether any land or land rights within your Source Protection Area have changed hands. Add any new landowners to your list and remove anyone that no longer owns property in your SPA.

Communicate with Relevant Landowners and Town/County/State Officials
Send out letters to regulatory agencies to remind them that you are concerned about land use activities in your SPA. Also, send letters to newly identified landowners who may not know about your water source. Although not required, it's a good idea to contact the other landowners within your SPA with a positive message about actions they can take to help protect your supply, and to thank them for any efforts they have made since your last letter.

Make Sure Your Contingency Plan Information is Current
Check the emergency contact information in your contingency plan and make sure all of the information is up-to-date. Make sure any new water system personnel have the information they need to make good decisions in an emergency situation.

Summarize Progress in Reducing Threats to Your Source
Look back over the last three years and think about what actions you have taken to make your source of water less vulnerable to contamination. Have you worked with a local farmer to reduce pesticide and fertilizer use in your SPA? Have you purchased development rights for land in your SPA? Have you posted signs at key locations to notify people when they enter your SPA? Have you responded swiftly and appropriately to an emergency situation? Use the SPP Update as an opportunity to boast about the progress you have made.

Source Protection Plan Update Checklist~

Your SPP Update may be as simple as a detailed short letter or it may be an elaborate revision of your original SPP. The format you choose will depend on what you discovered in following the steps outlined above. However, regardless of the format, please be sure you have included the relevant items from the following checklist when you submit the SPP Update:

_____ Text describing your PSOC inspection and any changes and additions you are making to the Source Protection Plan. If there are no changes, please state clearly that you have performed an SPA inspection and found no changes in land use, land ownership, risk levels, etc. Provide date of inspection.
_____ Text describing the progress you have made in implementing risk management measures since your original SPP (or last update) was prepared.
_____ Updated PSOC Inventory (if applicable)
_____ Updated PSOC Map (if applicable)
_____ Updated Management Plan (if applicable)
_____ Updated Landowner List (if applicable)
_____ Updated Contingency Plan information (if applicable)
_____ Copy of letter sent to ongoing SPA landowners (optional)
_____ Copy of letter sent to new SPA landowners (if applicable)
_____ Copy of letter to town/county/state officials

Please send your Source Protection Plan Update to:

Water Resources Section
VT-DEC, Drinking Water & Groundwater Protection Division
1 National Life Drive, Davis 4, Montpelier, VT 05620-3521