



Source Protection Plan

Village of Lyndonville Water System

WSID 5040

Rodger G. Sheldon Utility Partners
6/16/2020

SOURCE PROTECTION PLAN

For

Village of Lyndonville, Vermont

November, 2009

June, 2014

March 2017

Updated June 2020

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Updated June 2014

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I INTRODUCTION

This document presents the Village of Lyndonville Water Source Protection Plan as required by the Village's Public Water System Permit and the State of Vermont Water Supply rules. This plan has been prepared in accordance with the January 30, 2002 Water Supply Rule, Chapter 21, of the Vermont Agency of Natural Resources, Department of Environmental Conservation and guidance from the Vermont Water Supply Division Source Protection Plan Information. Under the Rule, a Source Protection Plan consists of the following basic elements:

- An inventory of potential sources of contamination (PSOCs);
- An assessment of risks posed by these PSOCs;
- A management plan to minimize risks to the water source; and
- A contingency plan of responding to emergency loss of the water supply.

This plan provides the Village with a structured approach to source protection. The plan will be used as an ongoing working document which will be regularly reviewed and updated to remain current and viable. The plan identifies the resources other the source (Source Protection Area) along with an inventory of land uses, identification of Potential Sources of Contamination (PSOC's) and management of existing and future PSOC's.

The Village of Lyndonville is located in Caledonia County in northeastern Vermont as shown on Figure 1 in Appendix A. The Village water system is presently served by a well field located adjacent to the East Branch of the Passumpsic River off Route 114 in Lyndonville, Vermont. The well field consists of five (5) wells. The system presently serves a population of approximately 4,500 persons through approximately 1093 connections. Presently, four (4) wells are being utilized as the source of supply. These are 1, 3, 4 and 5. Well No. 2 is used as a backup only. The operator alternates the two large wells by combining with one of the lower yielding wells. For example, the operator will use 1 and 3 or 4 and 5. With two (2) wells operating a total combined yield of approximately 400,000 to 510,000 gallons per day is available. The present system average daily usage is approximately 340,000 gallons per day. In 1991, the Village installed a dual-vessel carbon adsorption system in order to remove volatile organic compounds to protect the users of the system from potential contamination. Chlorination is provided at the water treatment facility prior to distribution to the users.

In 2002, the Village installed a filter backwash storage/settling basin to eliminate solids discharge to the river.

II IDENTIFICATION of RESOURCE AND THREATS

A. Well Characteristics

A total of five (5) wells comprise the municipal well system. Well No. 2 is only used as a standby source. Wells 1, 3, 4 and 5 are typically in use but in alternating sequences (1 and 3 or 4 and 5). The yield, depth of each well and type are listed below;

Well #	Casing Length	Yield (GPM)	Disc.
1	56 Feet	550-700	Gravel Packed
2	86 Feet	150	Casing
3	64 Feet	130	Casing (Open End)
4	77 Feet	120	Casing (w/10' Screen)
5	108 Feet	420	Casing with Screen (90' w/ 18' screen)

Well No. 1 consists of a 24-inch gravel packed well with an original capacity of 700gpm. It now has a capacity of about 560 gpm. Wells 2 and 3 consist of 6-inch diameter steel casings (open ended) without any screens. Well #4 consists of a steel casing with a ten (10) foot screen. Well No. 5 consists of a 12-inch casing that extends 90 feet into the gravel with an additional 18.5 feet of 12-inch diameter screen extending into fractured bedrock. The capacity as determined by Hoffer and Associates was 600 gpm.

Chlorination tests, performed by the Vermont Department of Health¹, on wells 1, 2 and 3 suggest that the three wells are hydraulically connected. In addition, the river and well levels fluctuate together suggesting the river influences the wells.

Based on available data, it could be assumed that the river acts as a possible boundary and that groundwater does not flow under the river to the wells. A later investigation of the Darling Hill Dump by the NUS Corporation contradicts this assumption. That Consultant concluded that the Darling Hill Dump was a source of contamination to the aquifer via ground water flow underneath the East Branch. Based on their information, groundwater does likely flow under the river to the wells.

B. Regional Hydrogeology

Regional topographic and well data suggest that groundwater generally flows parallel to the East and West Branches of the Passumpsic River. The West Branch joins the East Branch approximately 600 feet down gradient of the municipal wells field. Therefore, the West Branch of the Passumpsic appears to have an insignificant influence on the wells.

C. Regional Geology

Bedrock depth in the region around the well field generally ranges from 100 to 150 feet below grade. The soils above bedrock consist of fine sand with layers of fine and course gravel. The well field and the area to the north of the wells is generally flat towards Vermont Route 114. The areas to the south, east and west of the well field are

comprised of steep gravelly banks that rise sixty to seventy feet up to the Caledonia County Fairground.

D. Source Protection Area (SPA)

The present SPA was adopted in 1995. The SPA is delineated on Figure 2, Appendix B.

Zone 1 consists of a two hundred (200) foot radius around each of the five (5) well heads. The two hundred foot radius around each well forms an oblong shaped area when combined to form the entire Zone 1.

Zone 2 consists of the area directly up-gradient of the wells to the south and the area to the north across the East Branch of the Passumpsic River. There is evidence that the wells are under the influence of the river as well as groundwater flows under the river. Therefore, areas on both sides of the river are included in Zone 2.

Zone 3 consists of those areas that represent a reasonable risk of contamination outside of Zones 1 and 2. Since the aquifer is under the influence of the East Branch and its major tributaries within the boundaries of the Town of Lyndon, Zone 3 also includes the area around the Darling Hill Dump to the north of the well site and an area to the east of the fairgrounds encompassing a stream that may influence the well system during periods of heavy rainfall. The Darling Hill dump is included in Zone 3 due to the suspicion that it is a source of contaminants to the well field aquifer.

E. Inventory of Land Uses and Potential Threatening Activities

The land area encompassing Zones 1 and 2 is zoned rural residential according to the zoning map.

Table No. 1 in Appendix C provides an inventory and ranking of potential threatening activities within Zones 1, 2 and 3 of the SPA. The inventory was conducted by the Village by assessing the land uses within these zones. The Partial List of Potential Sources of Contamination in Vermont; prepared by the Water-Supply Division was used as a guide. A copy of this list is included in Appendix C. The Town Planner, Municipal Administrator, and the Village Water System Operator Scott Townsend developed the inventory.

The inventory includes all potential sources of contamination for Zones 1 and 2. The potential threatening activities for Zones No. 1 and 2 are plotted on the orthophoto tax map, as Figure No. 3 in Appendix B.

The inventory required by the State of VT includes major potential sources of contamination for Zone 3. Major potential sources of contamination include; but are not limited to:

1. Direct or indirect discharges
2. Municipal Wastewater or industrial lagoons
3. Pulp mills

4. Solid waste landfills (closed), no active ones
5. Gravel operations or drainage
6. Radioactive waste storage or disposal sites
7. Hazardous waste storage or disposal sites

The potential threatening activities for Zone 3 are plotted on Figure 2 in Appendix B. Discussions with the water system operator resulted in the confirmation of the activities listed in the inventory.

In this case, there are no municipal or industrial waste water treatment facilities that would affect the source protection area. There are no known pulp mills, operational landfills or radioactive storage or disposal sites in the Source Protection Area.

The inventory is compiled on a spreadsheet for ease of updating in order to keep it current. This inventory should be updated regularly, upon identification of new PSOCs; but not less than upon the renewal of the permit to operate the water system.

Footnotes:

¹ Vermont Department of Health, Lyndonville, VT - Preliminary Study of Volatile Organic Chemical Contamination of the Village Well, 1985.

² NUS Corporation, Groundwater Contours and Cross-sections for the Darling Hill Dump ESI, date unknown.

³ Wellhead Protection Plan developed by Forcier and Aldrich, 1995.

III ASSESSMENT OF THREATS

A. General

Once the inventory list of potential threatening activities was completed, the list was assessed according to risk of groundwater contamination. The nature of the potential or existing contamination was considered. The activities are ranked on Table No. 1 in Appendix C, based on the assessment of threat to the water source.

B. Factors Influencing Assessment

The activity type, existing evidence of contamination and risk of contamination, distance, soil type and natural protection were considered in developing the ranking.

As shown on Table No. 1 in Appendix C, the Darling Hill Dump is ranked as the No. 1 potential threat to the water source because of the existing presence and severity of groundwater contamination. This National Priority List (Superfund) hazardous waste site is located approximately 3,000 feet northeast for the well field as shown on Figure 2 in Appendix B. The site is located on the opposite side of the Passumpsic River from the well field. Groundwater from the site flows in a southwesterly direction toward the Passumpsic River adjacent to the municipal well field. The conclusion stated in Section 1 that the Darling Hill Dump is a source of contamination to the water supply aquifer via groundwater flow underneath the East Branch supports the No. 1 ranking of this site. However, VOC tests do not indicate a problem.

Burke View Garage was previously ranked as the No. 2 potential threatening activity. A letter dated 7/17/97 from the USEPA, Region 1 removes the site from the National Priorities List. This site is located approximately 1,600 feet northeast of the municipal well field. This site is listed on the State of Vermont Hazardous Waste Sites List. The site had previously contained several leaking underground storage tanks. They were removed in 1994. During the removal, no significant contamination was discovered according to VT-ANR (9/18/97 letter). The site has also been investigated for soil and groundwater contamination due to practices at an auto-mechanic shop located on-site. Site investigations have found volatile and semi-volatile organic compound contamination in soil and groundwater. This site remains ranked at No. 2 because of the presence of existing contamination even though it has been removed from the NPL.

The remaining potential threatening activities listed on Table No. 1 in Appendix C and shown on Figures No. 2 and 3 in Appendix B are ranked according to distance from the well field. The only exception is the Village of Lyndonville Direct Discharge Permit for water treatment system backwash water. This activity is ranked as the least potential threatening activity as it does not have an impact on the water source. Original design/construction of the carbon absorption treatment system provided no treatment for backwash water. A storage/settling tank (20,000 gal volume) was installed in October 2002 to treat/remove solids prior to discharge. After settling, the clear

backwash water is pumped out to the river. The land use of the field located to the northeast of the well-field has been changed from agricultural (farming) to a tree farm.

IV MANAGEMENT OF RISK

A. Information Dissemination

Because general awareness and education can play an important role in diminishing possible PSOC's to water quality, the following tasks will be undertaken in the source protection areas. This information will be disseminated within ninety (90) days of final approval of this plan. The water system has primary responsibility for these activities:

1. **Post Boundaries:** Boundaries of Zone 1 and 2 of the source protection area will be posted with signs in obvious and visible areas of human activity, i.e. roads, trees, walkways, paths, etc. Since Zone 3 of the source protection area is so large, it is not feasible to post this zone.
2. **Distribution of Information to Local and Regional Boards:** A map of the source protection area will be distributed to the local planning board, zoning board, health officer and regional planning commission. It will also be printed in a local newspaper.

B. Managing Existing Risks

The following activities can help to minimize the risks posed by existing land use activities:

1. The Village will continue to monitor the existing contamination of the well source through continued testing of the well source and effectiveness of the carbon treatment system. These results will be compared to the Vermont Groundwater Protection Rule, Primary Groundwater Quality Standards for preventative action limits and enforcement standards. The State of Vermont Hazardous Materials Division is managing the existing groundwater contaminated sites identified in the inventory. Coordination has been and will be made with the provision for updates on the status of these sites.

2. **Letter to Residences/Businesses in SPA:**

The SPA notification letter, provided in Appendix D, will be sent to all residences and businesses identified in Zone 1 and Zone 2 of the source protection area within ninety (90) days of final approval of this plan. Since Zone 3 is so large, this letter will be sent only to the major Potential Sources of Contamination identified within the zone. The letter explains the source protection area and what people can do to protect it.

3. **Notification to permitting authorities:**

Within ninety (90) days of final approval of this plan, the Village will provide appropriate local and state permitting authorities with a copy of Figure No. 2 showing the adopted SPA. The state permitting authorities and programs will also be given a

request that they notify the water system operator of inspection of permitted facilities within the SPA.

4. Notification to local health officer:

The local health officer will be notified of the relevant activities within the source protection area. The health officer will be provided with a map of the delineated source protection area and location of all potentially contaminating activities. Background information on the assessment of the activities will be provided.

5. Deputy Health Officer

The water system operator should become a deputy health officer. This person would work with individual land owners, educating and encouraging them to voluntarily implement Best Management Practices (BMPs). This person would also provide the legal authority to ensure compliance with BMPs, when needed.

6. Inspections

The water system operator, local health officer and appropriate state inspectors will attend inspections of those facilities within the source area. The SPA will be inspected yearly to note any changes in land uses. The results of this inspection will be kept on file at the Village office.

7. The existing on-site septic systems located within Zones 2 and 3 will be prioritized for connection to the municipal sewer when infrastructure expansion allows for such to take place. However, the only municipal sewer located near the SPA is on Lily Pond Road. This sewer consists of a wastewater pumping station that serves the Lyndon Town School. The wastewater is then pumped to a municipal gravity sewer located at the Caledonia County Fairgrounds.

C. Planning and Managing to Minimize Future Risks

In order to ensure a potable water supply in the future, it is necessary to minimize the potential for further contamination of the existing well field. The most secure way of doing this is by limiting the types of activities allowed within the SPA. This is done at both the local and state levels by informing the planning and permitting authorities of the SPA and their role in protecting it.

Through local project reviews by the zoning and planning boards the potential for further risk of contamination of the well source can be minimized. The permitting authorities will limit the future development activities within Zone 1 in accordance with the January, 2002 Water Supply Rule, Chapter 21, of the Vermont Agency of Natural Resources (Agency), Department of Environmental Conservation. This rule lists the permitted and prohibited land uses within the well isolation zone (Zone 1) as follows:

1. Permitted land uses will be restricted to:

- a) source operation and maintenance;
 - b) playgrounds, ballfields, tennis courts;
 - c) seasonal light duty roads;
 - d) conservation zones;
 - e) controlled use of potassium and phosphorus fertilizers;
 - f) and other uses that have the approval of the Agency.
2. Prohibited land uses include;
- a. application of nitrogen, pesticides and herbicides;
 - b. buildings other than those required for the water system;
 - c. parking of motor vehicles;
 - d. chemical or fuel storage tanks except natural gas or propane and other chemicals that are required by the water system;
 - e. swimming pools;
 - f. salted or paved roads passing through the area;
 - g. septic tanks, subsurface disposal systems and sewer lines;
 - h. any other activity which may contaminate the water supply

The entire well isolation zone (Zone 1) is owned by the Village of Lyndonville.

For Zones 2 and 3 the local planning and permitting authorities can minimize the risk of further contamination of the well source by project reviews, implementation of Best Management Practices and other local actions for future development. This should be simple for Zone 2 because the area is small and identifiable. However, this becomes more difficult and complex in Zone 3, as this area is so large, containing areas of both developed and undeveloped land. The incorporation of the source protection map into the existing zoning map will provide the planning and zoning board with the information necessary for their role in protecting the source protection area.

Within ninety (90) days of final approval of this plan, the Village will make the following state permitting agencies and departments aware of the adopted SPA and their role in protecting it:

1. Act 250 Environmental Board
2. Water Supply and Wastewater Disposal Permits
3. Indirect/Direct Discharge Permits
4. Storm water Discharge Permits
5. Junkyards
6. Underground Injection Control
7. Solid Waste Treatment, Transfer, or Disposal
8. Hazardous Waste Certificates
9. Underground Storage Tanks
10. Pesticide Applications

V EMERGENCY AND SOURCE CONTINGENCY PLAN

❖ Emergency Plan

In the event of an emergency with the water system, the water system operators and/or assistant operators should be contacted immediately at the number(s) listed below:

Name	Title	Cell #	Pager #	Home #
Rodger G. Sheldon	Water System Chief Operator	(802) 274-1915	(802) 283-3420	
Charlie Taylor	Water System Asst. Chief Operator	(802) 473-8326	(802) 283-3510	
Tyler Thomas	Water System Operator	(802) 473-0386	(802)283-8881	
Kevin Taylor	Water System Operator	(802) 274-7311		(802)427-3287
Jefferson Tolman	Utility Partners Regional Manager	(802) 535-4598	(802) 283-3027	(802) 525-3219 (Barton Office)
Joe Dauphin	Village of Lyndonville Public Works	(802) 535-9242	(802)427-3287	

Typically, one of these individuals is available on call (24 hrs) for emergency situations. If for some reason these individuals are not available, the three (3) other members of the Water and Street Department (626-5468) and the Municipal Administrator (626-5834) are also versed in the water system shut-down and start-up procedures. If none of these persons are available and someone lacking familiarity with the water system needs to shut-down the water system in an emergency, a key to the pump house is located at the municipal offices. After unlocking the door to the pump house, the water system can be shut-down by turning off the "Master Switch" next to the carbon treatment system. This will shut-off any water going to the storage tank from the pumps. The water system can be turned back on by turning the "Main Switch" back on. Upon completing emergency procedures, the water system operator will immediately notify the following listed persons (in the order indicated) should the water source contingency plan need to be implemented:

Name	Organization	Telephone Number
Municipal Administrator	Village Of Lyndonville	(802) 626-5834
Town Clerk	Village of Lyndonville	(802) 626-5785
Health Officer	Village of Lyndonville	(802) 626-5785
Peter Kopsco	Water Supply Division VTANR	(802) 505-5367
VT Dept. of Health		(802) 863-7323

Water system users and the local community will be notified through posted notices and the media. The media will include local television, newspapers and radio station. Should an emergency situation arise, the information sent to the water system users needs to be specific to that particular emergency. Particularly, information about the type of problem and precautionary measures will need to be detailed.

❖ **Source Contingency Plan**

The source contingency plan for the Village of Lyndonville municipal water system is outlined below. This plan will be utilized in the event that an episode(s) of contamination or a system failure renders the water unsuitable for consumption, or unable to be distributed within an acceptable time frame.

The previous WHPA Plan included emergency use of Chandler Pond and the Matthewson Reservoir. There are presently no means of providing disinfection to these sources. The Matthewson Reservoir is full of silt and is basically a stream/brook impoundment with virtually little water.

Chandler Pond consists of a 70 acre pond with a considerably large undeveloped drainage area. The elevation of Chandler Pond is 132 feet above the elevation of the Vail Hill Water Storage Tank. Chandler Pond was one of the water supplies for Lyndon back in 1895 when the system was constructed. In 1974, the new well and storage tanks were constructed and both the Chandler Pond and Matthewson sources were effectively abandoned. The continuous piping has been disconnected and a hydrant was installed at the lowest end of the line from Chandler Pond. A hydrant was installed at the western end of the waterline connected to the Vail Hill storage tank. In an emergency situation, the Chandler Pond source can be connected to the distribution system via fire hose connection to both hydrants

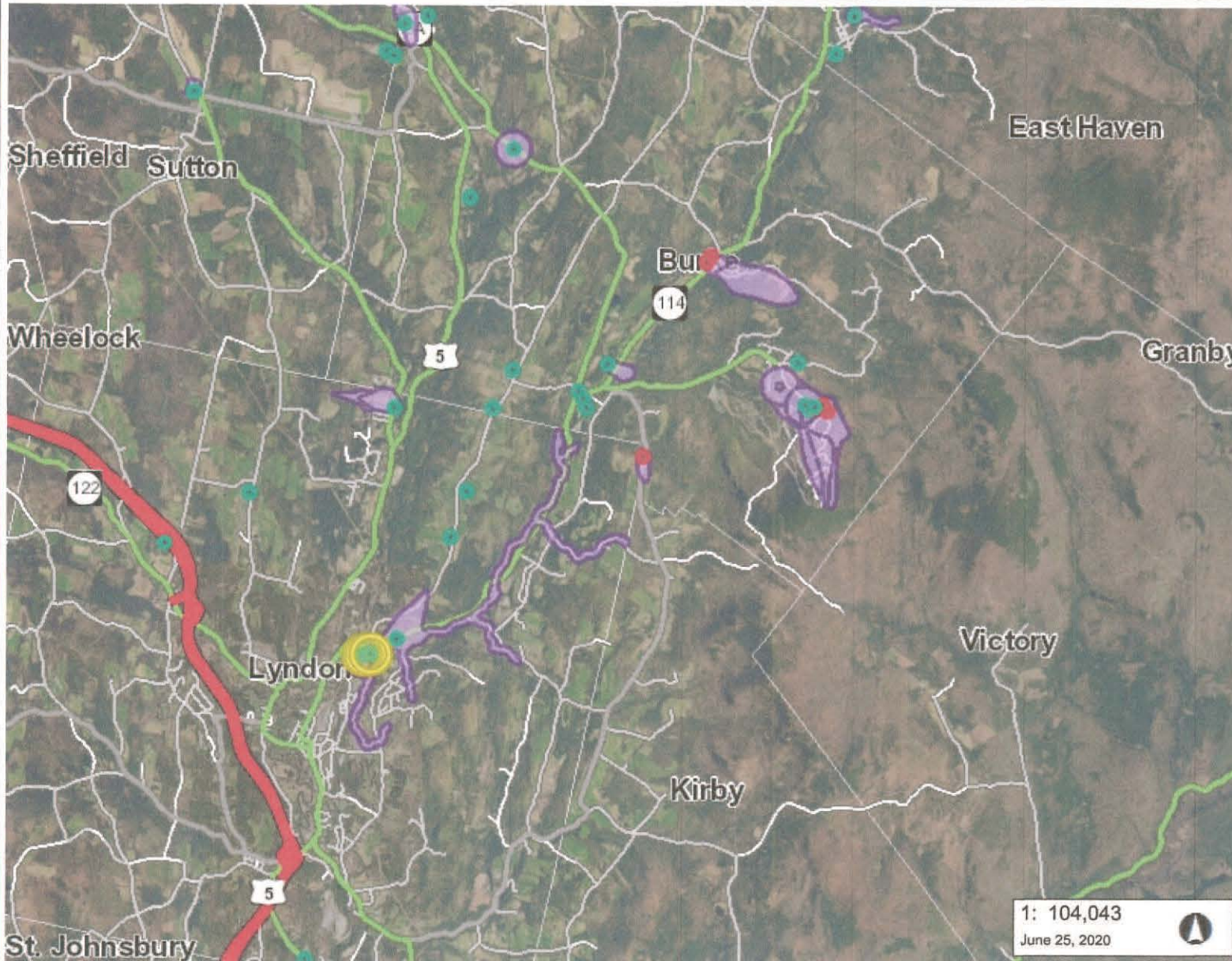
However, since Chandler Pond is an open source and no filtration or treatment is in place, the water does not meet the drinking water standards of the State of Vermont. The source should be used in dire emergency only. A boil order request must be put in place prior to its use. Before connection or use of this emergency system, the Village must flush and chlorinate the waterline from Chandler Pond down to the hydrant. Temporary Chlorination shall be set up at Chandler Pond and the line flushed until the water clears up and residual chlorine is detected.

The line from the Vail Hill storage tank must also be flushed through the other hydrant. Temporary Chlorination should also be installed at the connection point between the two (2) systems and maintained during the use of the emergency supply.

Should the use of the emergency sources of supply be implemented, the water system operator will immediately notify the persons and organizations identified in the emergency plan listed above. The Village will follow the directions of the Agency of Natural Resources for any additional sampling and testing. A boil water order will be

imposed. In this case it is the responsibility of the water system operators, via the Village Clerk, to notify water users through posted notices and the media. The users will also be requested to use water conservation practices.

In 2002/2003, the Village installed on-site back-up power generation at the water treatment / well-field site and at the Vail Hill booster pump station. This provides for continuous water pumping should public power failure occur. Due to the fact that carbon adsorption filters are in use at the water treatment plant, system reliability should be maintained if there is an increase or occurrence of VOC's in the well supply.



LEGEND

Public Water Sources

- Active
- Proposed
- Inactive

Surface Water SPA

- Active
- Inactive

Ground Water SPA

- Active
- Proposed
- Inactive

Roads

- Interstate
- Principal Arterial
- Minor Arterial
- Major Collector
- Minor Collector
- Local
- Not part of function Classification S

- Waterbody
- Stream/River
- Town Boundary

1: 104,043
June 25, 2020

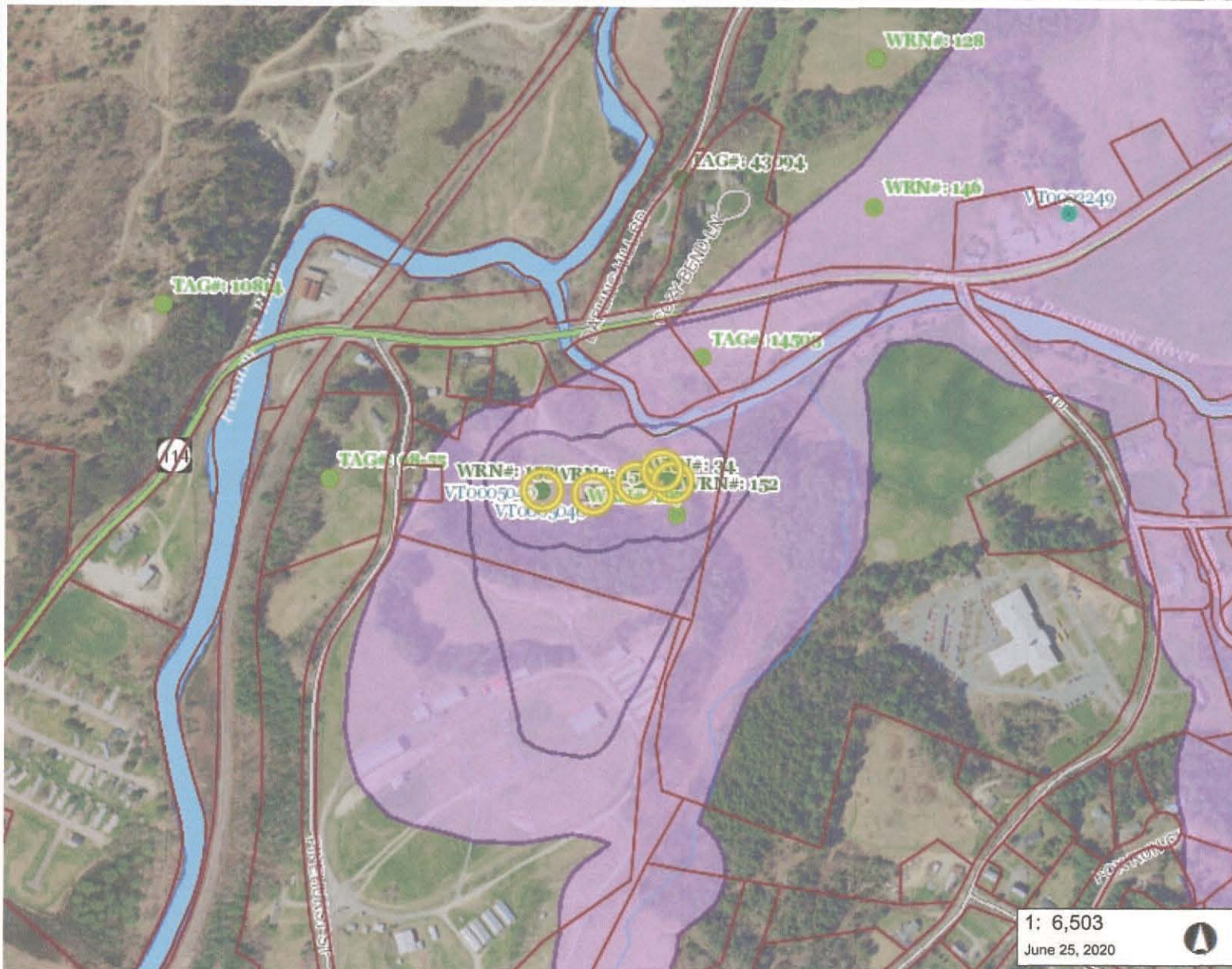


NOTES

Map created using ANR's Natural Resources Atlas

5,285.0 0 2,642.00 5,285.0 Meters
 WGS_1984_Web_Mercator_Auxiliary_Sphere 1" = 8670 Ft. 1cm = 1040 Meters
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LEGEND

Private Wells

- Incorrectly Located
- GPS Located
- Screen Digitized
- E911 Address Matched
- Welldriller/Clarion
- Unknown Location Method

Public Water Sources

- Active
- Proposed
- Inactive

SurfaceWaterSPA

- Active
- Inactive

Ground Water SPA

- Active
- Proposed
- Inactive

Parcels (standardized)

Parcels (non-standardized)

Roads

- Interstate
- Principal Arterial
- Minor Arterial
- Major Collector
- Minor Collector
- Local

Natural Resources Classification

1: 6,503

June 25, 2020



330.0 0 165.00 330.0 Meters

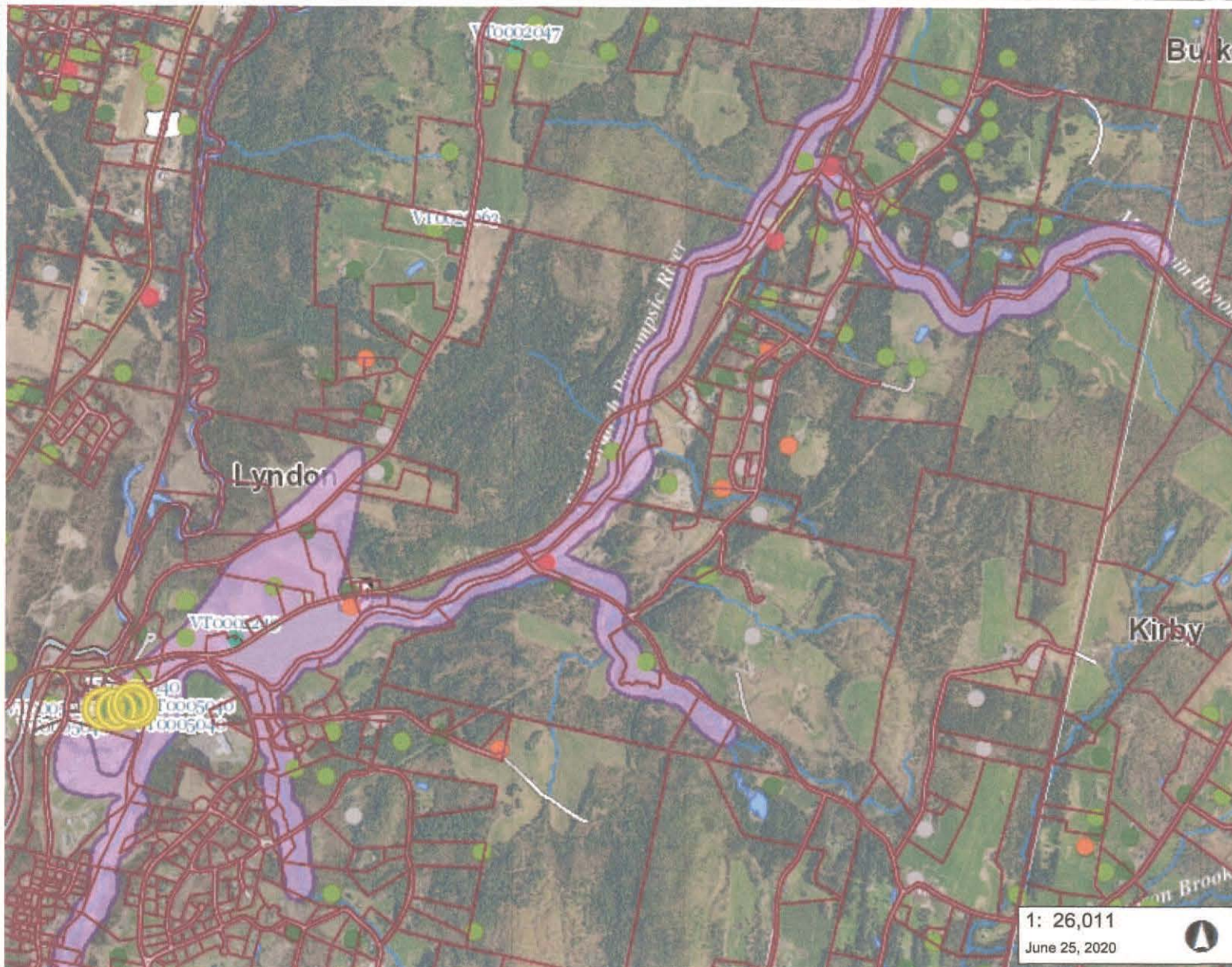
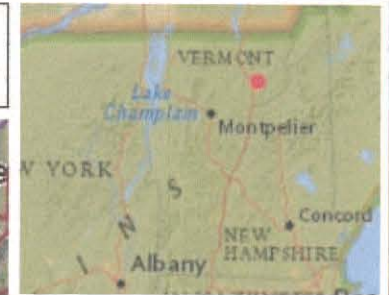
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1" = 542 Ft. 1cm = 65 Meters
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NOTES

Map created using ANR's Natural Resources Atlas



LEGEND

- Private Wells**
 - Incorrectly Located (Red square)
 - GPS Located (Green circle)
 - Screen Digitized (Light Green circle)
 - E911 Address Matched (Grey circle)
 - Welldriller/Clarion (Orange circle)
 - Unknown Location Method (Red circle)
- Public Water Sources**
 - Active (Blue circle)
 - Proposed (Yellow circle)
 - Inactive (Red circle)
- Surface Water SPA**
 - Active (Yellow square)
 - Inactive (Dashed yellow square)
- Ground Water SPA**
 - Active (Purple square)
 - Proposed (Light Purple square)
 - Inactive (Dashed purple square)
- Parcels (standardized)** (Thin red line)
- Parcels (non-standardized)** (Thick red line)
- Roads**
 - Interstate (Thick red line)
 - Principal Arterial (Orange line)
 - Minor Arterial (Yellow line)
 - Major Collector (Green line)
 - Minor Collector (Grey line)
 - Local (Thin grey line)

1: 26,011
June 25, 2020

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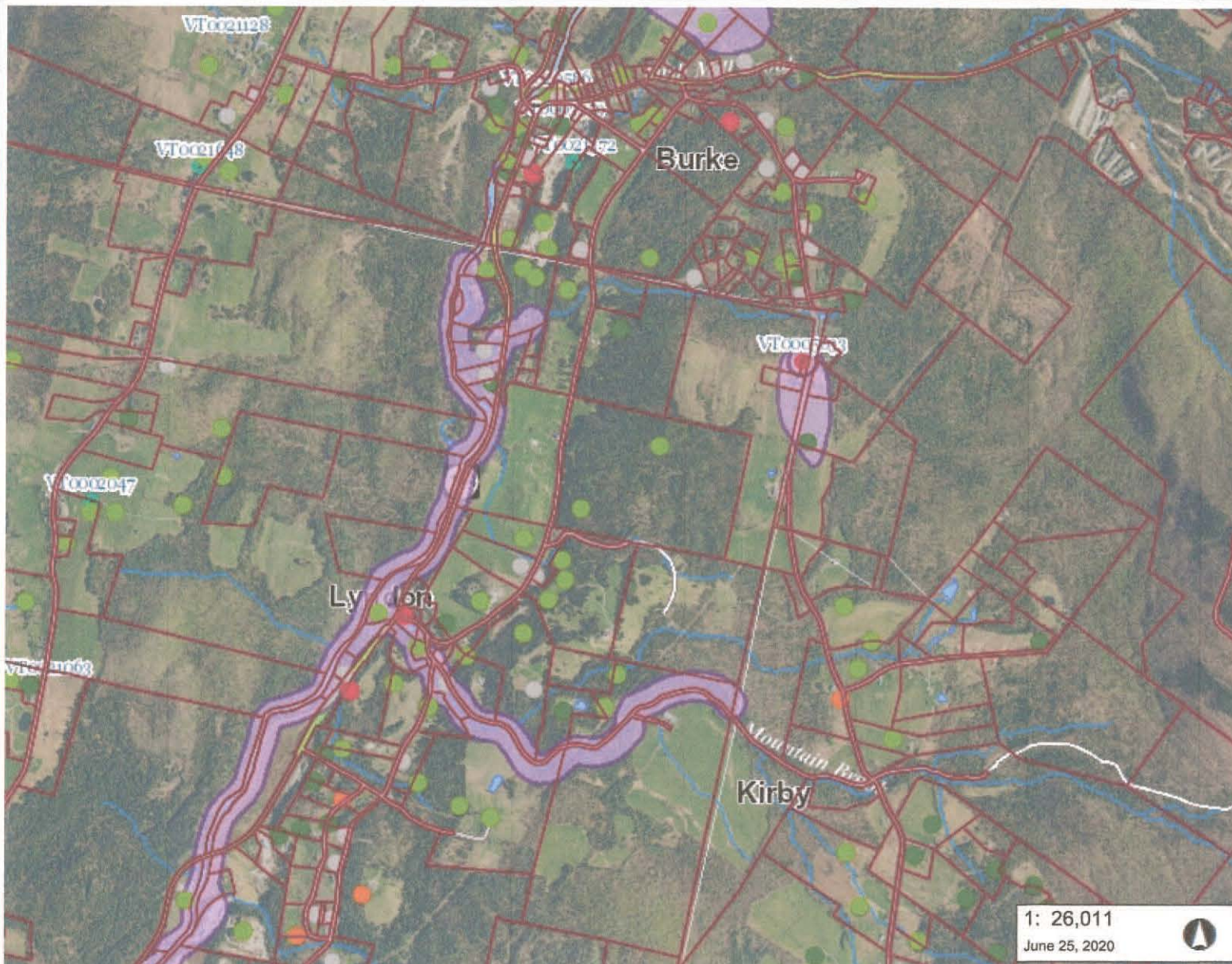
WGS_1984_Web_Mercator_Auxiliary_Sphere 1" = 2168 Ft. 1cm = 260 Meters

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LEGEND

Private Wells

- Incorrectly Located (Red square)
- GPS Located (Green circle)
- Screen Digitized (Light green circle)
- E911 Address Matched (Grey circle)
- Welldriller/Clarion (Orange circle)
- Unknown Location Method (Red circle)

Public Water Sources

- Active (Blue circle)
- Proposed (Yellow circle)
- Inactive (Red circle)

Surface Water SPA

- Active (Yellow square)
- Inactive (Dashed yellow square)

Ground Water SPA

- Active (Purple square)
- Proposed (Dashed purple square)
- Inactive (Light purple square)

Parcels (standardized) (Red outline)

Parcels (non-standardized) (White outline)

Roads

- Interstate (Thick red line)
- Principal Arterial (Orange line)
- Minor Arterial (Yellow line)
- Major Collector (Green line)
- Minor Collector (Grey line)
- Local (Thin grey line)

NOTES

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1,321.0 0 660.00 1,321.0 Meters

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VILLAGE OF LYNDONVILLE
 SOURCE PROTECTION PLAN - LANDOWNER
 June 2020

ZONE1&2LANDOWNERS	
ZONE1	
31-107 Village of Lyndonville POBox167 Lyndonville, VT05851-0167	
ZONE2	
31-102&104 Thelma Tower PO Box33 East Burke, VT05832-0033	31-109 Village of Lyndonville POBox167 Lyndonville, VT05851-0167 (Bldg. removed, land only)
31-110 Janet Goodwin Lisa Goodwin POBox366 Lyndonville, VT 05851-0366	31-111 Andrew Doyon Taylor Cushman 998 Pinehurst St. Lyndonville, VT 05851
31-1361 Caledonia County Fair Association POBox343 Lyndonville, VT05851-0343	31-137 Glenn LaPlant PO Box 432 Lyndonville, VT 05851-0432
31-150 Lisa R. Goodwin POBox748 Lyndonville, VT 05851-0748	31-89 Lyndon Town School District 259 Lily Pond Rd. Lyndonville, VT 05851

VILLAGE OF LYNDONVILLE
SOURCE PROTECTION PLAN - LANDOWNER
June 2020
Zone 3

ZONES

22-88
Edith Allen
PO Box 1173
Lyndonville, VT 05851-1173

22-161
Donald & Valli Smith
PO Box 537
Lyndonville, VT 05851-0537

22-84
Gerald & Evelyn Charron
86 Rod Key Street
Lyndonville, VT05851-0945

22-220
Justin & Kathy Smith
PO Box 383
Lyndonville, VT 05851-0383

22-171
Hill Street Real Estate, LLC
763 Langcon Dr.
West Palm Beach, FL 33408

22-168
VFW Post #10038
156 Hill St.
Lyndonville, VT 05851

31-003
Kermit & Carol Fisher
1855 Lily Pond Rd.
Lyndonville, VT 05851

06-80
William & Nancy Hartwell
PO Box 777
Lyndonville, VT 05851

10-83
Richard W. & Deanna Peck
PO Box 206
Lyndonville, VT 05851-0206

06-283 & 097
DOR Associates
2059 Darling Hill Rd
Lyndonville, VT 05851

22-86
Aleksandr Levin
Marina Levin
PO Box 697
Lyndonville, VT 05851-0509

22-202
Liberty, Cedric Jr & Shirley Life Estate
PO Box 445
Lyndonville, VT 05 851

22-85
Gloria Charron & Harry Gammell
35 Maple Ln.
West Danville, VT 05873

22-87
Nancy Connaway
PO Box 731
Lyndonville, VT 05851

22-207
Vermont Transco
366 Pinnacle Ridge Rd.
Rutland, VT 05701

22-113 & 196
Parker Dean F., Rev. Trust
PO Box 725
Lyndonville, VT 05851

06-46
Joseph & Christine Szabo
70 Virginia Dr.
Southington, CT 06489

10-82
Kevin P. Tanner
734 Burrington Bridge Rd.
Lyndonville, VT 05851

06-169&296
David & Sharon Dolloff
2516 Darling Hill Rd.
Lyndonville, VT 05851

06-48
Riverside Life Enrichment Ctr.
2104 East Burke Rd.
Lyndonville, VT 05851

31-098
Gina Brisson
2771 Lily Pond Rd
Lyndonville, VT 05851

VILLAGE OF LYNDONVILLE
SOURCE PROTECTION PLAN - LANDOWNER
June 2020

06-49

Delisle Roberts
PO Box 696
Lyndonville, VT 05851-0696

06-278,279, 12,16, 19, 20 & 25-08

Calkins Rock Product, Inc.
PO Box 82
Lyndonville, VT 05851-0082

06-10

Travathan Enterprises, Inc.
PO Box 1376
1282 East Burke Rd.
Lyndonville, VT 05851

07-0341

Marilyn O'Connor
372 Mt. Hunger RD.
East Burke, VT 05832

06-83

Martin & Elizabeth Raymond
28 Mt. Hunger Rd.
Lyndonville, VT 05851

06-118 & 89

David & Patricia Webster
20 Brook Rd.
Lyndonville, VT 05851

06-86, 88 & 7-30

Richard & Ruby Gorham
77 Brook Rd.
East Burke, VT 05832

06-68

Dale & Rosalie Donaghy
Po Box 877
Lyndonville, VT 05851-0877

07-22

Janice Somers Trust
753 Brook Rd.
East Burke, VT 05832

06-38

Elmer & Karen Carey
178 Lyndon Heights
Lyndonville, VT 05851

06-009

Joshua Simpson
1297 East Burke Road
Lyndonville, VT 05851

06-307

Russell & Anne Marie Riendeau
60 Town Farm RD.
Lyndonville, VT 05851

06-13

Stanley & Sylvia Langmaid
Donald Burlington
233 Orleans Lane
Lyndonville, VT 05851

06-34

Robert & Beth Bigelow
146 Lyndon Heights Dr.
Lyndonville, VT 05851

06-78 & 77

Kristin Barany (process of selling)
2938 McDowell Road
Danville, VT 05828

06-79

Victoria Reynolds
Burrington Suzanne Trust
2963 East Burke Rd.
Lyndonville, VT 05851

06-85

Elaine Razzano
PO Box 263
Lyndonville, VT 05851-0263

06-69

Alfred & Anita Cole
2837 East Burke Rd.
Lyndonville, VT 05851

07-20

Mark Buonanno & Kate Berry
5142 Maidstone Lake Rd.
Guildhall, VT 05905

06-09

Gary & Suzanne Burrington
2559 Darling Hill Rd.
Lyndonville, VT 05851

06-39

Mabyan Gertrude Fadden
214 Lyndon Heights
Lyndonville, VT 05851

06-358

Andrew Riendeau
335 Kingdom Road
Lyndonville, VT 05851

VILLAGE OF LYNDONVILLE
SOURCE PROTECTION PLAN - LANDOWNER

June 2020

06-40

Darwin & Muriel Heath
270 Lyndon Heights
Lyndonville, VT 05851

06-41
Jean Charles
PO Box 924
Lyndonville, VT 05851

06-18,53&276
Winterset, Inc.
PO Box 968
Lyndonville, VT 05851-0968

07-05
Passumpsic Valley Land Trust
PO Box 624
St. Johnsbury, VT 05819-0624

31-164 & 165
Burke View Garage
Lawrence & Oralie Lefaiivre
POBox 1007
Lyndonville, VT 05851-1007

07-42
Mark & Sharon Hunter
POBox 791
Lyndonville, VT 05851-0791

07-38

Alexander Meier
Valerie Tassinari
PO Box 141
East Burke, VT 05832

07-21
Dorian & Kari McGowan
146 Brook Rd.
East Burke, VT 05832

07-23

David & Rena Stahler
101 Hunter Farm Rd.
East Burke, VT 05832

07-24
Barry & Robin Aldrich
317 Caledonia Lane
East Burke, VT 05832

07-31,31-117
Town of Lyndon
PO Box 167
Lyndonville, VT 05851-0167

07-40
Joanne Lemay & Lisa Carlson
25 Elm St
Randolph, VT 05060

07-39

Leonard & Wayne Noel
Oscar & Cheryl Perkins
PO Box 282
East Burke, VT 05832-0282

07-41
Rhonda Paris
PO Box 18
Lyndon CTR., VT 05850

31-136 & 133
Caledonia County Fair Association
PO Box 343
Lyndonville, VT 05851-0343

31-74
Richard F. Lee
137 Highland Circle
Lyndonville, VT 05851

31-83
Wilbur & Wyla Salo
99 Fox Run Circle
Lyndonville, VT 05851

31-84
Christopher & Andrea Thibaudeau
460 Hayes Road
East Burke, VT 05832

31-63
Sarah Sherratt
230 Finney Dr.
Lyndonville, VT 05851

31-64
Derek & Nancy Blankenship
128 Highland Circle
Lyndonville, VT 05851-0496

VILLAGE OF LYNDONVILLE
SOURCE PROTECTION PLAN - LANDOWNER

June 2020

31-56
Elizabeth & Lawrence Messier
22 Highland Circle
Lyndonville, VT 05851

31-131
Dana M Reynolds Life Estate
123 Deer Run Lane
Lyndonville, VT 05851

31-100
Joanne Weymouth
PO Box 908
Lyndonville, VT 05851-0908

31-128
Elizabeth Wheeler Trust
37 Deer Run Lane
Lyndonville, VT 05851

31-106
Warren Elghanayan
11 CPRMALL Court
Katonah, NY 10536

31-129
Cady Family Rev. Trust
P.O. Box 211
Lyndonville, VT 05851

31-99
Christopher & Carolyn Hagget
2776 Lily Pond Rd.
Lyndonville, VT 05851

31-161
Paul & Dienna Choquette
277 Strawberry Hill
Lyndonville, VT 05851

06-054
Lynn Klein
1305 Lynburke Road
Lyndonville VT, 05851

06-05
Steven Smith &
Kathleen Hall
1129 East Burke Rd.
Lyndonville, VT 05851

31-90
Everett & Joan Hartwell
2624 Lily Pond Rd.
Lyndonville, VT 05851

31-115,108, 138
Passumpsic Valley Land Trust
St.Johnsbury,VT05819

31-116
Vincent Lavoie
PO Box 805
Lyndonville, VT 05851

31-93
Robert L. Donnelly, Jr.
23053 Grassy Pine Drive
Estero, FL 33928

31-135
Durwood & Deanna Wheeler
PO Box 783
Lyndonville, VT 05851-0783

31-118, 112 & 6-129,297
Evelyn Lussier
PO Box 192
Lyndonville, VT 05851-0192

31-95
James & Jane Ruggles
2690 Lily Pond Rd.
Lyndonville, VT 05851

06-300
Egypt Land Farm Co.
PO Box 25
Lyndonville, VT 05851-0025

05-082
Mark Simpson
547 Lynburke Road, Apt. 19
Lyndonville, VT 05851

06-163
Barclay & Julia Tucker
513 Calendar Brook Rd.
Lyndonville, VT 05851

TABLE NO. 1
 INVENTORY AND RANKING OF POTENTIAL THREATENING ACTIVITIES
 WATER SOURCE PROTECTION PLAN
 VILLAGE OF LYNDONVILLE, VERMONT

RANK	NAME	ADDRESS	ACTIVITY	DISTANCE FROM SOURCE (FT)	ZONE	REMARKS
1	Darling Hill Dump	Darling Hill Rd, Lyndonville, VT	NPL Haz. Waste Site	3000	3	VOCs & Metals GW Cont.
(1) 2	Burke View Garage	Route 114, Lyndonville, VT	Previous LUST Site/Auto Repair	1600	3	VOCs GW Cont.
3	Harry Davis, Lot 111	Box 194, Lyndonville, VT	On-Site Septic	400	3	Res. Home
4.1	Caledonia County		On-Site Septic	750	2	Limited Use
4.2	Fairgrounds, Lot 125		Animal Stables	750	2	Limited Use
5	Lyndon Town School, Lot 89	Box 194, Lyndonville, VT	Proposed Future Gravel Pit	750	3	Proposed Gravel Pit Operations
6	Lyndonville Electric, Lot 107	Box 194, Lyndonville, VT	Active Transformers	500	3	Transformer Oils
7	Lyndonville Electric, Lot 107	Box 194, Lyndonville, VT	Active Transformers	5400	3	Transformer Oils
8	Winterset, INC.	Box 968, Lyndonville, VT	Haz. Waste Generator	8000	3	Waste Oils Generated/Stored
(2) 9	Village of Lyndonville, Lot 107	Lyndonville Water Dept., Lot 107	Direct Discharge Permit	160	1	Filter Backwash Water

(1) This site has been removed from the NPL. LUST's have been removed. No further actions required.

(2) A backwash storage (settling tank) was installed in 2002 to further reduce solids to the river from carbon filter backwash operation.



Dear Landowner,

The Lyndonville Water System is updating our 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 this plan can be found at www.lyndonvt.org. The SPA defines the land surface area that is believed to contribute groundwater to our source well. 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 me with any questions or concerns.

Sincerely,

Rodger G. Sheldon



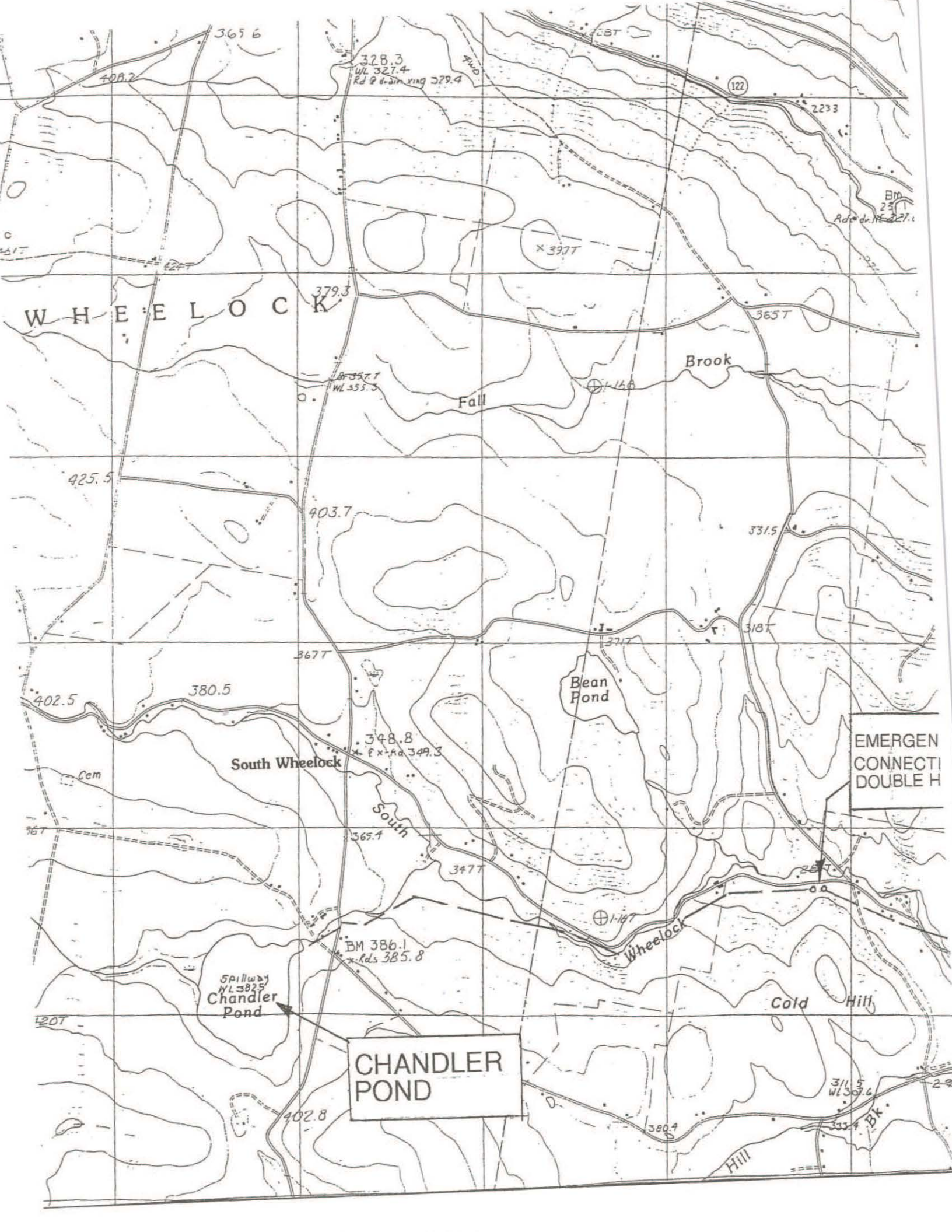
Project Manager

Lyndon WWTF/ Lyndonville WTF

rodger.sheldon@utilitypartnersllc.com

Phone: (802)626-5939

Cell: (802)274-1915



W H E E L O C K

Brook

Fall

Bean Pond

South Wheelock

Spillway
WL 382.9
Chandler
Pond

CHANDLER
POND

Cold Hill

EMERGEN
CONNECTI
DOUBLE H

328.3
WL 327.4
Rd 9 draining 329.4

379.3

357.7
WL 555.5

403.7

367.7

348.8
x Px Rd 349.3

365.1

BM 386.1
x kds 385.8

420.7

402.8

380.9

311.5
WL 307.6

408.2

369.6

122

2233

BM
231
Rd dr. NE 227.1

x 397.7

365.7

425.5

331.5

318.7

327.7

402.5

380.5

Cem

367

347.7

316.7

Wheelock

287.7

Hill

29

