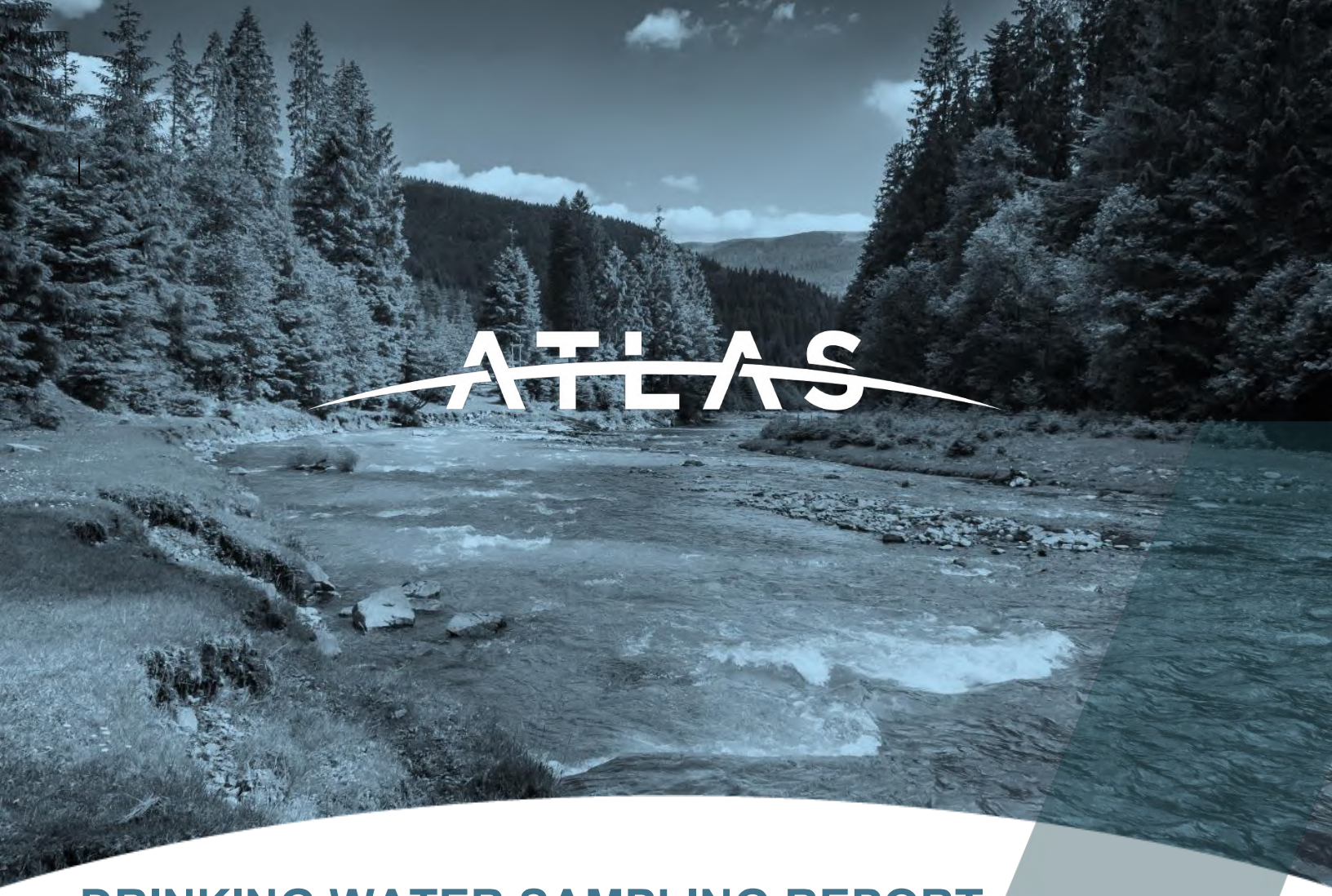

DRINKING WATER SAMPLING REPORT

PFAS IN SHAFTSBURY WATER SUPPLY WELLS

SMS SITE #2023-5344

ATLAS PROJECT #280EM01121

Shaftsbury, Vermont

PREPARED FOR:

Malayika Vincent
Waste Management & Prevention Division
Vermont Department of Environmental Conservation
1 National Life Drive, Davis 1
Montpelier, VT 05602

PREPARED BY:

Johanna Palmer
Atlas Technical Consultants, LLC
51 Knight Lane, PO Box 1486
Williston, VT 05495

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EXECUTIVE SUMMARY

Atlas Technical Consultants, LLC (Atlas) prepared this Drinking Water Sampling Report for the Vermont Department of Environmental Conservation (VTDEC) documenting the initial sampling and analysis of private bedrock water supply wells for the presence of per- and polyfluoroalkyl substances (PFAS) on and near Red Clover Lane in Shaftsbury, Vermont ("the Site"). This work was requested by the VTDEC in response to the detection of PFAS above Vermont Health Advisory Levels (VHALs) in the private supply well located at 54 Red Clover Lane in Shaftsbury (the "Becker Residence", now assigned SMS# 2023-5344), during a PFAS sampling event of 500 randomly selected wells across the state of Vermont. This work was performed to further define the degree and extent of this contamination by sampling other wells in the area to determine if they have PFAS in them, identify the history of properties in the area, and begin the process of attempting to identify the source of the PFAS detected in the Becker water supply well. Work was performed in accordance with Atlas' Standard Operating Procedures (SOPs), Vermont's *Investigation and Remediation of Contaminated Properties Rule* (I-Rule, July 2019 & Feb. 2024), and Atlas' Work Plan dated October 30, 2023, which was approved by Malayika Vincent of the VTDEC.

PFAS are fluorinated compounds that have been determined to be biopersistent, bioaccumulative, hazardous to human and animal health, are likely carcinogenic, and are an emerging contaminant with their widespread usage and global presence now being realized. Vermont currently has five regulated PFAS compounds for soil and groundwater media, which include perfluorohexane sulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA), perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA). The VHAL for drinking water is currently set at 20 parts per trillion (ppt) for the combination of the five regulated compounds listed above.

On December 12, 2023, Atlas collected drinking water samples from 16 private water supplies within an approximate 1,000-foot radius of the Becker Residence for PFAS analysis. Field blanks were collected at each residence and a duplicate was collected from RES-9 for QA/QC purposes. Of the 16 sampled water supplies, 11 samples had PFAS detections of the regulated compounds, and three of those samples had reported exceedances of VHAL (RES-3, RES-4 and RES-17). The highest concentration of the VHAL summed compounds was reported at 33 ppt in RES-4. Two samples were reported between 15 and 20 ppt (RES-5 and RES-9). The only PFAS compounds detected in most samples were PFOA and PFHpA (both regulated), and the non-regulated compound PFHxA. PFOA was the most abundant compound in the samples. Four samples were non-detect for PFAS. All analyzed field blanks were non-detect.

Atlas performed a desktop review of potential sources of PFAS to this rural residential area of Shaftsbury. An Environmental Data Resources (EDR) report was reviewed that covers the Becker property and surrounding area. Available resources included historical topographic maps, aerial photographs, and a radius report of known environmental conditions. There were no mapped sites found in the EDR report. There were no apparent changes in mapped topography from 1898 - 2021 in the area of interest. The sequence of aerial photographs shows a potential clearing just south of 76 Lucas Lane, appearing on the maps by 1951 and no longer visible by 1986. The owners of 76 Lucas Lane reported that there was a historical dump in this area ("Shaftsbury Dump"); they did not know the timing of dumping activities. All sampled properties

have onsite septic and leach fields. Septic systems and landfills are often sources of PFAS. There are currently no other known sources in the immediate area (1-mile radius).

However, this area of Shaftsbury lies approximately 3.5 miles east-northeast of North Bennington, VT, where there are at least two larger landfills (Former Bennington Landfill and Kocher Drive Landfill) as well as the Former Chem Fab facility owned by Saint Gobain, which has been identified as the source of PFAS through the greater Bennington area via atmospheric deposition and subsequent flushing through the subsurface into overburden and bedrock aquifers. There are also two known closed landfills within 2-miles of the Site (one unnamed, Solid Waste ID BN080, located to the southwest; and the Shaftsbury Landfill, Solid Waste ID BN740, located to the northwest). It is unknown at this time if these distant environmental conditions have contributed to the PFAS concentrations in drinking water at the Site.

Based on the distribution of PFAS detections from the December 2023 sample set, which appears to be generally oriented north-south and in line with the reported dump near 76 Lucas Lane, with several non-detect samples around the perimeter of the sampled area, the most probable source is likely the “Shaftsbury Dump” and/or private septic system contributions. Additional sampling is needed to corroborate this assumption. Upon receipt of the December 2023 laboratory results, Atlas recommended the sampling of several additional water supply wells to the VTDEC, which was performed in early 2024 by TetraTech and per VTDEC’s request, will be reported under separate cover. It is Atlas’ understanding that VTDEC and TetraTech are managing the installation of point-of-entry treatment (POET) systems and providing bottled water where necessary. It should also be noted that the EPA is planning to release a Maximum Contaminant Level (MCL) for specific PFAS compounds in the near future, which will likely be more conservative than the current VHAL and will therefore require additional mitigation measures.

Based on the above results and conclusions, Atlas offers the following recommendations:

1. Review the laboratory data for the additional water supply samples collected by TetraTech, and use that data to inform Recommendation #3, below.
2. Do a site reconnaissance in and around the reported “Shaftsbury Dump” to attempt to confirm its nature and extent. Conduct interviews with residents and town officials to gather additional information about the history of the area of interest. Use this data to inform Recommendation #3, below.
3. Perform a full Site Investigation in the area of interest, including a review of bedrock well depths and borehole logs, a fracture trace analysis of the area, the installation of soil borings and overburden groundwater monitoring wells, collection of soil and groundwater samples, and sampling of additional bedrock supply wells for PFAS analysis including artificial sweeteners and other septic traces to better assess septic system PFAS contributions.

1. INTRODUCTION

Atlas Technical Consultants, LLC (Atlas) prepared this Drinking Water Sampling Report for the Vermont Department of Environmental Conservation (VTDEC) documenting the initial sampling and analysis of private bedrock water supply wells for the presence of per- and polyfluoroalkyl substances (PFAS) on and near Red Clover Lane in Shaftsbury, Vermont ("the Site"; **Figures 1** and **2**). This work was requested by the VTDEC in response to the detection of PFAS above Vermont Health Advisory Levels (VHALs) in the private supply well located at 54 Red Clover Lane in Shaftsbury (the "Becker Residence", now assigned SMS# 2023-5344), during a PFAS sampling event of 500 randomly selected wells across the state of Vermont. This work was performed to further define the degree and extent of this contamination by sampling other wells in the area to determine if they have PFAS in them, identify the history of properties in the area, and begin the process of attempting to identify the source of the PFAS detected in the Becker water supply well. Work was performed in accordance with Atlas' Standard Operating Procedures (SOPs), Vermont's *Investigation and Remediation of Contaminated Properties Rule* (I-Rule, July 2019 & Feb. 2024), and Atlas' Work Plan dated October 30, 2023, which was approved by Malayika Vincent of the VTDEC.

PFAS are fluorinated compounds that have been determined to be biopersistent, bioaccumulative, hazardous to human and animal health, are likely carcinogenic, and are an emerging contaminant with their widespread usage and global presence now being realized. Vermont currently has five regulated PFAS compounds for soil and groundwater media, which include perfluorohexane sulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA), perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA). The VHAL for drinking water is currently set at 20 parts per trillion (ppt) for the combination of the five regulated compounds listed above.

On December 12, 2023, Atlas collected drinking water samples from 16 private water supplies within an approximate 1,000-foot radius of the Becker Residence for PFAS analysis. Field blanks were collected at each residence for quality assurance/control purposes (QA/QC). Atlas also performed a desktop review of potential sources of PFAS to this rural residential area of Shaftsbury. An Environmental Data Resources (EDR) report was reviewed that covers the Becker property and surrounding area. Available resources included historical topographic maps, aerial photographs, and a radius report of known environmental conditions.

1.1 SITE INFORMATION

The coordinates of the Becker Residence at 54 Red Clover Lane are 42.94425°N / -73.17393°W (**Figure 1**). All surrounding properties are residential. The source of contamination has not yet been confirmed, so no one has been assigned as the Responsible Party.

2. PRELIMINARY CONCEPTUAL SITE MODEL

The following conceptual site model (CSM) is formulated in accordance with §35-303 of Vermont's I-Rule, which outlines potential source(s) of release(s), infrastructure considerations, historical land use, geology, hydrogeology, contaminant fate and transport, sensitive receptors and potential exposure pathways. This CSM was generated based on available Site data as well as results discussed later in this report.

2.1 SITE PHYSICAL SETTING AND INFRASTRUCTURE

The Site is located approximately 3.5 miles from North Bennington, Vermont, in an area dominated by rural residential and agricultural properties. The history of the area of interest is agricultural, becoming more residential by the early 2000's. This residential area sits between 1,100 and 1,200 feet above mean sea level (ASML) and slopes generally to the east-southeast toward Furnace Brook, which flows south and eventually feeds the Walloomsac River. Residences have their own private water supply wells and onsite septic systems and leach fields.

2.2 SOURCE(S) & SITE HISTORY

The Becker Residence was sampled in July 2023 by the VTDEC as part of a PFAS sampling event of 500 randomly selected wells across the state of Vermont. The total regulated PFAS were reported at 27.4 ppt in that sample. This prompted the VTDEC to perform confirmatory sampling and install a POET system on the Becker water supply. The VTDEC contracted with Atlas in December 2023 to collect additional water supply samples from residences within a 1,000-foot radius of the Becker well.

On December 12, 2023, Atlas collected drinking water samples from 16 private water supplies within an approximate 1,000-foot radius of the Becker Residence for PFAS analysis. Of the 16 sampled water supplies, 11 samples had PFAS detections of the regulated compounds, and three of those samples had reported exceedances of VHAL. The only PFAS compounds detected were PFOA and PFHpA (both regulated), and the non-regulated compound perfluorohexanoic acid (PFHxA). PFOA was the most abundant compound in the samples. Four samples were non-detect for PFAS.

Based on the distribution of PFAS detections from the December 2023 sample set, which appears to be generally oriented north-south and in line with the reported dump near 76 Lucas Lane, with several non-detect samples around the perimeter of the sampled area, the most probable source is likely the "Shaftsbury Dump" and/or private septic system contributions. Additional sampling is needed to corroborate this assumption.

2.3 SITE GEOLOGY & HYDROGEOLOGY

The dominant bedrock geology in the immediate vicinity is listed on the online ANR Natural Resources Atlas as the Cheshire Quartzite, Lower Cambrian in age, composed of light gray to tannish gray weathering, massive to poorly bedded vitreous quartzite. Depth to bedrock is currently unknown; however, the bedrock supply wells in the area range from approximately 90 to 400 feet deep. The primary surficial geology is listed on the online ANR Natural Resources Atlas as glaciolacustrine deposits, described as well sorted littoral sediment, predominantly sand with no pebbles or boulders, as well as post-glacial alluvium deposited more recently by rivers. An esker (glaciofluvial) bounds the southern portion of the Site, while an isolated kame (ice-contact outwash gravel) bounds the western portion of the Site.

Depth to groundwater and flow direction has not been verified, though based on topography, it likely flows to the east-southeast towards Furnace Brook. The hydraulic relationship between overburden and bedrock aquifers is currently undefined. There are some wetlands mapped on the eastern portion of Site.

2.4 CONTAMINANT FATE & TRANSPORT

PFAS are fluorinated compounds that are biopersistent, bioaccumulative, hazardous to human and animal health, and likely carcinogenic, and are an emerging contaminant with their widespread usage and global presence now being realized. PFAS are complex chemicals estimated to total over 4,000 compounds and the fate and transport characteristics or how they behave once they are released into the environment is not well known. Some PFAS compounds (i.e., precursors) can undergo partial degradation and/or transformation into other PFAS compounds; therefore, amounts and types of PFAS can increase over time in the environment. PFAS compounds such as PFOS and PFOA are resistant to degradation or transformation (ITRC, September 2020).

Depending on the amount of PFAS-containing material that has infiltrated the subsurface environment and soil types (e.g., sand versus clay) and other factors, some PFAS may make its way to the water table. PFAS have been detected in many of the Site bedrock water supply wells, suggesting that at least some PFAS-contaminated water has entered the bedrock aquifer. PFAS can enter the subsurface via atmospheric deposition and subsequent flushing (as in North Bennington from the former Chem Fab smokestacks), and via other methods such as spraying of PFAS-containing aqueous film-forming foam (AFFF), discharge of PFAS-contaminated water, spreading of PFAS-containing biosolids, septic systems and landfills, etc.

The contaminant fate and transport at this Site are currently undefined. Additional investigation is warranted.

2.5 SENSITIVE RECEPTORS AND EXPOSURE PATHWAYS

Nearby sensitive receptors include residential water supply wells, surface water and groundwater. The primary exposure pathway is from ingestion of contaminated groundwater, likely though drinking water supply sources. All of the properties in the area obtain drinking water from bedrock or dug supply wells and sewage disposal is through onsite private septic systems. At this time with available data, mobilized contaminants have been identified in surrounding drinking water supplies.

3. METHODS & PROCEDURES

3.1 WATER SUPPLY WELL SAMPLING

On December 12, 2023, Atlas collected drinking water samples from 16 private water supplies within an approximate 1,000-foot radius of the Becker Residence for PFAS analysis, including RES-2 through RES-18 (**Figure 2**). RES-1 is the Becker Well at 54 Red Clover Lane and was not sampled by Atlas. A sample was unavailable from RES-12 (1012 Lower East Road). All locations were along Red Clover Lane/Furnace Brook Road, Lucas Lane, Lower East Road, East Road, and East Mountain Road, Shaftsbury VT.

Samples were collected at each location, pre-treatment (if any), after flushing the system for at least 15 minutes. Atlas included a field blank at each location and a duplicate for standard quality assurance/quality control (QA/QC) purposes. The field blanks were extracted by the lab and held pending the results of the water supply sample, and only analyzed if there were PFAS detections above reporting limits in the water supply sample. Samples were stored and transported on ice and in accordance with standard chain-of-custody procedures. Samples were submitted to Con-Test Pace Analytical Laboratory of East Longmeadow, MA, for laboratory analysis of PFAS by EPA Method 537.1 (specific to drinking water), which is a Vermont certified laboratory for PFAS in drinking water and is National Environmental Laboratory Accreditation Program (NELAP) accredited. Sampling was conducted in accordance with Atlas's SOPs. Field notes and water supply field collection forms are included in **Appendix A**. Laboratory results are in **Appendix B**.

3.2 PRELIMINARY SOURCE EVALUATION

Atlas performed a desktop review of potential sources of PFAS to this rural residential area of Shaftsbury. In addition to reviewing the ANR Natural Resources Atlas, an Environmental Data Resources (EDR) report was reviewed that covers the Becker property and surrounding area. Available resources included historical topographic maps, aerial photographs, and a radius report of known environmental conditions (**Appendix C**). Sanborn fire insurance maps and city directories were not available for this area. Available topographic maps included the years 1898, 1900, 1954, 1997, 2012, 2015, 2018 and 2021. Available aerial photographs included the years 1942, 1951, 1960, 1965, 1978, 1986, 1992, 2008, 2011, 2014 and 2018. The Radius Report reviews available environmental records including the following: federal Superfund sites, federal delisted Superfund sites, federal sites subject to CERCLA, federal RCRA sites and generators, federal and state sites with institutional or engineering controls, emergency response sites, hazardous waste sites, landfills and solid waste disposal facilities, registered above ground and below ground storage tanks including leaking tanks, voluntary cleanup sites, and Brownfields sites. Atlas also collected information from homeowners about their well and septic systems.

3.3 STANDARD OPERATING PROCEDURES (SOPS)

Atlas performed the work in accordance with SOPs outlined below, which have been previously submitted to VTDEC. Copies of SOPs can be provided upon request.

Atlas SOP	Field Procedure
SOP 4.0	General Sampling Procedures for Aqueous & Solid Matrices
SOP 11.0	Sample Custody Procedure
SOP 19.0	Field Log Book
SOP 21.0	Sampling for PFAS

4. RESULTS

4.1 WATER SUPPLY SAMPLING RESULTS

On December 12, 2023, Atlas collected drinking water samples from 16 private water supplies within an approximate 1,000-foot radius of the Becker Residence for PFAS analysis. Field blanks were collected at each residence for QA/QC purposes and were analyzed by the lab only if the water supply sample had detections of PFAS. A duplicate sample was collected from RES-9 for QA/QC purposes. Of the 16 sampled water supplies, 11 samples had PFAS detections of the regulated compounds (RES-2, RES-3, RES-4, RES-5, RES-7, RES-8, RES-9, RES-10, RES-13, RES-16 and RES-17), and three of those samples had reported exceedances of VHAL (RES-3, RES-4 and RES-17). The highest concentration of the VHAL summed compounds was reported at 33 ppt in RES-4. Two samples were reported between 15 and 20 ppt (RES-5 and RES-9). Nine of the 11 samples with PFAS detections exceed 4.0 ppt, which is the proposed EPA MCL. The PFAS results are presented in **Table 1** and on **Figure 3**.

The only PFAS compounds detected in most samples were PFOA and PFHpA (both regulated), and the non-regulated compound PFHxA. PFOA was the most abundant compound in the samples. PFOS was not detected in any of the samples. PFHxS (regulated) was detected below VHAL in RES-4, only, and PFBS (non-regulated) was detected just above reporting limits in RES-4 and RES-5. Four samples were non-detect for PFAS. All analyzed field blanks were non-detect (**Table 2**). The duplicate sample collected from RES-9 had calculated relative percent differences (RPDs) all within the recommended 30%. Laboratory results are included in **Appendix B**.

4.2 PRELIMINARY SOURCE EVALUATION RESULTS

There were no mapped sites found in the EDR report (**Appendix C**). There were no apparent changes in mapped topography from 1898 - 2021 in the area of interest. The sequence of aerial photographs shows a potential clearing just south of 76 Lucas Lane, appearing on the maps by 1951 and no longer visible by 1986. The owners of 76 Lucas Lane reported that there was a historical dump in this area (“Shaftsbury Dump”); they did not know the timing of dumping activities. All sampled properties have onsite septic and leach fields. Septic systems and landfills are often sources of PFAS. There are currently no other known sources in the immediate area (1-mile radius).

However, this area of Shaftsbury lies approximately 3.5 miles east-northeast of North Bennington, VT, where there are at least two larger landfills (Former Bennington Landfill and Kocher Drive Landfill) as well as the Former Chem Fab facility owned by Saint Gobain, which has been identified as the source of PFAS through the greater Bennington area via atmospheric deposition and subsequent flushing through the subsurface into overburden and bedrock aquifers. There are also two known closed landfills within 2-miles of the Site (one unnamed, Solid Waste ID BN080, located to the southwest; and the Shaftsbury Landfill, Solid Waste ID BN740, located to the northwest). It is unknown at this time if these distant environmental conditions have contributed to the PFAS concentrations in drinking water at the Site.

5. CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

On December 12, 2023, Atlas collected drinking water samples from 16 private water supplies within an approximate 1,000-foot radius of the Becker Residence for PFAS analysis. Field blanks were collected at each residence and a duplicate was collected from RES-9 for QA/QC purposes. Of the 16 sampled water supplies, 11 samples had PFAS detections of the regulated compounds, and three of those samples had reported exceedances of VHAL (RES-3, RES-4 and RES-17). The highest concentration of the VHAL summed compounds was reported at 33 ppt in RES-4. Two samples were reported between 15 and 20 ppt (RES-5 and RES-9). The only PFAS compounds detected in most samples were PFOA and PFHpA (both regulated), and the non-regulated compound PFHxA. PFOA was the most abundant compound in the samples. PFOS was not detected in any of the samples. Four samples were non-detect for all analyzed PFAS. All analyzed field blanks were non-detect.

Based on the distribution of PFAS detections from the December 2023 sample set, which appears to be generally oriented north-south and in line with the reported dump near 76 Lucas Lane, with several non-detect samples around the perimeter of the sampled area, the most probable source is likely the “Shaftsbury Dump” and/or private septic system contributions. Additional sampling is needed to corroborate this assumption. Upon receipt of the December 2023 laboratory results, Atlas recommended the sampling of several additional water supply wells to the VTDEC, which was performed in early 2024 by TetraTech and per VTDEC’s request, will be reported under separate cover. It is Atlas’ understanding that VTDEC and TetraTech are managing the installation of point-of-entry treatment (POET) systems and providing bottled water where necessary. It should also be noted that the EPA is planning to release a Maximum Contaminant Level (MCL) for specific PFAS compounds in the near future, which will likely be more conservative than the current VHAL and will therefore require additional mitigation measures.

5.2 RECOMMENDATIONS

Based on the above results and conclusions, Atlas offers the following recommendations:

1. Review the laboratory data for the additional water supply samples collected by TetraTech, and use that data to inform Recommendation #3, below.
2. Do a site reconnaissance in and around the reported “Shaftsbury Dump” to attempt to confirm its nature and extent. Conduct interviews with residents and town officials to gather additional information about the history of the area of interest. Use this data to inform Recommendation #3, below.
3. Perform a full Site Investigation in the area of interest, including a review of bedrock well depths and borehole logs, a fracture trace analysis of the area, the installation of soil borings and overburden groundwater monitoring wells, collection of soil and groundwater samples, and sampling of additional bedrock supply wells for PFAS analysis including artificial sweeteners and other septic traces to better assess septic system PFAS contributions.

SIGNATURE OF REPORT AUTHORS

This report has been prepared by the employees of Atlas Technical Consultants, LLC whose signatures appear below. Requests for information on the contents of this report should be directed to these individuals.

I certify under penalty of perjury that I am an environmental professional and that all content contained within this deliverable is to the best of my knowledge true and correct.

Prepared by:

Johanna Palmer
Senior Project Manager
Johanna.Palmer@oneatlas.com

Joseph J. Hayes, C.P.G, P.G.
Operations Manager
Joseph.Hayes@oneatlas.com

TABLES

Table 1
PFAS Concentrations - Water Supply Wells

Shaftsbury, Vermont

Sample Date: December 12, 2023

PFAS Group	PFAS Compound	VHAL (ng/L)	Water Supply Samples (ng/L)																		
			RES-1	RES-2	RES-3	RES-4	RES-5	RES-6	RES-7	RES-8	RES-9	DUP	RPD	RES-10	RES-11	RES-12	RES-13	RES-14	RES-15	RES-16	RES-17	RES-18
			54 Red Clover Lane	55 Red Clover Lane	56 Lucas Lane	75 Lucas Lane	76 Lucas Lane	43 Furnace Brook Road	95 Furnace Brook Road	152 Furnace Brook Road	45 Red Clover Lane	(RES-9)		197 Furnace Brook Road	279 Furnace Brook Road	1012 Lower East Road	1117 Lower East Road	76 East Mountain Road	81 Lower East Road	950 East Road	223 Lower East Road	803 Lower East Road
PFACA	perfluorohexanoic acid (PFHxA)	--	NS	ND<1.8	ND<1.8	**5.5**	ND<1.8	ND<1.9	ND<1.8	**3.5**	**21**	**17**	*21%*	ND<1.8	ND<1.8	NS	ND<1.9	ND<1.9	ND<1.8	ND<1.8	ND<1.8	ND<1.9
	perfluoroheptanoic acid (PFHpA)	20	NS	ND<1.8	ND<1.8	**3.2**	**1.8**	ND<1.9	ND<1.8	ND<2.0	**2.6**	**2.5**	*4%*	ND<1.8	ND<1.8	NS	ND<1.9	ND<1.9	ND<1.8	ND<1.8	ND<1.8	ND<1.9
	perfluorooctanoic acid (PFOA)	20	NS	**6.5**	**23**	**25**	**17**	ND<1.9	**9.1**	**5.1**	**12**	**11**	*9%*	**5.9**	ND<1.8	NS	**2.0**	ND<1.9	ND<1.8	**2.2**	**26**	ND<1.9
	perfluorononanoic acid (PFNA)	20	NS	ND<1.8	ND<1.8	ND<1.9	ND<1.8	ND<1.9	ND<1.8	ND<2.0	ND<1.9	ND<1.8	--	ND<1.8	ND<1.8	NS	ND<1.9	ND<1.9	ND<1.8	ND<1.8	ND<1.8	ND<1.9
	perfluorodecanoic acid (PFDA)	--	NS	ND<1.8	ND<1.8	ND<1.9	ND<1.8	ND<1.9	ND<1.8	ND<2.0	ND<1.9	ND<1.8	--	ND<1.8	ND<1.8	NS	ND<1.9	ND<1.9	ND<1.8	ND<1.8	ND<1.8	ND<1.9
	perfluoroundecanoic acid (PFUnA)	--	NS	ND<1.8	ND<1.8	ND<1.9	ND<1.8	ND<1.9	ND<1.8	ND<2.0	ND<1.9	ND<1.8	--	ND<1.8	ND<1.8	NS	ND<1.9	ND<1.9	ND<1.8	ND<1.8	ND<1.8	ND<1.9
	perfluorododecanoic acid (PFDoA)	--	NS	ND<1.8	ND<1.8	ND<1.9	ND<1.8	ND<1.9	ND<1.8	ND<2.0	ND<1.9	ND<1.8	--	ND<1.8	ND<1.8	NS	ND<1.9	ND<1.9	ND<1.8	ND<1.8	ND<1.8	ND<1.9
	perfluorotridecanoic acid (PFTrDA)	--	NS	ND<1.8	ND<1.8	ND<1.9	ND<1.8	ND<1.9	ND<1.8	ND<2.0	ND<1.9	ND<1.8	--	ND<1.8	ND<1.8	NS	ND<1.9	ND<1.9	ND<1.8	ND<1.8	ND<1.8	ND<1.9
	perfluorotetradecanoic acid (PFTA)	--	NS	ND<1.8	ND<1.8	ND<1.9	ND<1.8	ND<1.9	ND<1.8	ND<2.0	ND<1.9	ND<1.8	--	ND<1.8	ND<1.8	NS	ND<1.9	ND<1.9	ND<1.8	ND<1.8	ND<1.8	ND<1.9
PFASA	perfluorobutanesulfonic acid (PFBS)	--	NS	ND<1.8	ND<1.8	**2.2**	**2.2**	ND<1.9	ND<1.8	ND<2.0	ND<1.9	ND<1.8	--	ND<1.8	ND<1.8	NS	ND<1.9	ND<1.9	ND<1.8	ND<1.8	ND<1.8	ND<1.9
	perfluorohexanesulfonic acid (PFHxS)	20	NS	ND<1.8	ND<1.8	**5.2**	ND<1.8	ND<1.9	ND<1.8	ND<2.0	ND<1.9	ND<1.8	--	ND<1.8	ND<1.8	NS	ND<1.9	ND<1.9	ND<1.8	ND<1.8	ND<1.8	ND<1.9
	perfluorooctanesulfonic acid (PFOS)	20	NS	ND<1.8	ND<1.8	ND<1.9	ND<1.8	ND<1.9	ND<1.8	ND<2.0	ND<1.9	ND<1.8	--	ND<1.8	ND<1.8	NS	ND<1.9	ND<1.9	ND<1.8	ND<1.8	ND<1.8	ND<1.9
PFOSA	perfluorooctane sulfonamidoacetic acid (MeFOSAA)	--	NS	ND<1.8	ND<1.8	ND<1.9	ND<1.8	ND<1.9	ND<1.8	ND<2.0	ND<1.9	ND<1.8	--	ND<1.8	ND<1.8	NS	ND<1.9	ND<1.9	ND<1.8	ND<1.8	ND<1.8	ND<1.9
	perfluorooctane sulfonamidoacetic acid (EtFOSAA)	--	NS	ND<1.8	ND<1.8	ND<1.9	ND<1.8	ND<1.9	ND<1.8	ND<2.0	ND<1.9	ND<1.8	--	ND<1.8	ND<1.8	NS	ND<1.9	ND<1.9	ND<1.8	ND<1.8	ND<1.8	ND<1.9
Next Gen PFAS Analytes	hexafluoropropylene oxide dimer acid (HFPO-DA, or GenX)	--	NS	ND<1.8	ND<1.8	ND<1.9	ND<1.8	ND<1.9	ND<1.8	ND<2.0	ND<1.9	ND<1.8	--	ND<1.8	ND<1.8	NS	ND<1.9	ND<1.9	ND<1.8	ND<1.8	ND<1.8	ND<1.9
	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	NS	ND<1.8	ND<1.8	ND<1.9	ND<1.8	ND<1.9	ND<1.8	ND<2.0	ND<1.9	ND<1.8	--	ND<1.8	ND<1.8	NS	ND<1.9	ND<1.9	ND<1.8	ND<1.8	ND<1.8	ND<1.9
	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS, or F-53B Major)	--	NS	ND<1.8	ND<1.8	ND<1.9	ND<1.8	ND<1.9	ND<1.8	ND<2.0	ND<1.9	ND<1.8	--	ND<1.8	ND<1.8	NS	ND<1.9	ND<1.9	ND<1.8	ND<1.8	ND<1.8	ND<1.9
	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS, or F-53B Minor)	--	NS	ND<1.8	ND<1.8	ND<1.9	ND<1.8	ND<1.9	ND<1.8	ND<2.0	ND<1.9	ND<1.8	--	ND<1.8	ND<1.8	NS	ND<1.9	ND<1.9	ND<1.8	ND<1.8	ND<1.8	ND<1.9
Total PFAS with VHAL		**20**	NS	**6.5**	**23**	**33**	**19**	ND	**9.1**	**5.1**	**15**	**14**	--	**5.9**	ND	NS	**2.0**	ND	ND	**2.2**	**26**	ND
Total Analyzed PFAS		**--**	NS	**6.5**	**23**	**41**	**21**	ND	**9.1**	**8.6**	**36**	**31**	--	**5.9**	ND	NS	**2.0**	ND	ND	**2.2**	**26**	ND

Notes:
PFAS - poly-/perfluoroalkyl substances
PFACA - perfluoroalkylcarboxylic acids
PFASA - perfluoroalkylsulfonates
PFOSA - perfluorooctanesulfonamides
Results given in nanograms per liter (ng/L), parts-per-trillion.
ND< - Not-Detected at or above laboratory reporting limit, specified.
VHAL - Vermont Health Advisory Level (May 3, 2019 Drinking Water Guidance); 5 regulated compounds should not exceed 20 ng/L individually or summed.
-- no VHAL for compound
Analyzed by EPA Method 537.1 by Con-Test Pace Analytical of East Longmeadow, MA.
RPD - Relative Percent Difference between duplicate and parent sample; not calculated for ND results.
NS - not sampled

Table 2
PFAS Concentrations - Field Blanks

Shaftsbury, Vermont

Sample Date: December 12, 2023

PFAS Group	PFAS Compound	VHAL (ng/L)	Field Blank Samples (ng/L)										
			RES-2 FB	RES-3 FB	RES-4 FB	RES-5 FB	RES-7 FB	RES-8 FB	RES-9-FB	RES-10 FB	RES-13 FB	RES-16 FB	RES-17 FB
			55 Red Clover Lane	56 Lucas Lane	75 Lucas Lane	76 Lucas Lane	95 Furnace Brook Road	152 Furnace Brook Road	45 Red Clover Lane	197 Furnace Brook Road	1117 Lower East Road	950 East Road	223 Lower East Road
PFACA	perfluorohexanoic acid (PFHxA)	--	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
	perfluoroheptanoic acid (PFHpA)	20	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
	perfluorooctanoic acid (PFOA)	20	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
	perfluorononanoic acid (PFNA)	20	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
	perfluorodecanoic acid (PFDA)	--	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
	perfluoroundecanoic acid (PFUnA)	--	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
	perfluorododecanoic acid (PFDoA)	--	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
	perfluorotridecanoic acid (PFTrDA)	--	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
	perfluorotetradecanoic acid (PFTA)	--	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
PFASA	perfluorobutanesulfonic acid (PFBS)	--	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
	perfluorohexanesulfonic acid (PFHxS)	20	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
	perfluorooctanesulfonic acid (PFOS)	20	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
PFOSA	perfluorooctane sulfonamidoacetic acid (MeFOSAA)	--	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
	perfluorooctane sulfonamidoacetic acid (EtFOSAA)	--	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
Next Gen PFAS Analytes	hexafluoropropylene oxide dimer acid (HFPO-DA, or GenX)	--	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS, or F-53B Major)	--	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS, or F-53B Minor)	--	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.9	ND<2.0	ND<1.9	ND<1.9	ND<1.8
Total PFAS with VHAL		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Analyzed PFAS		--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

PFAS - poly-/perfluoroalkyl substances

PFACA - perfluoroalkylcarboxylic acids

PFASA - perfluoroalkylsulfonates

PFOSA - perfluorooctanesulfonamides

Results given in nanograms per liter (ng/L), parts-per-trillion.

ND< - Not-Detected at or above laboratory reporting limit, specified.

VHAL - Vermont Health Advisory Level (May 3, 2019 Drinking Water Guidance); 5 regulated compounds should not exceed 20 ng/L individually or summed.

-- no VHAL for compound

Analyzed by EPA Method 537.1 by Con-Test Pace Analytical of East Longmeadow, MA.

FB - Field Blank location sample; reported only if detections were reported in parent sample.

FIGURES

Figure 1 - Site Vicinity Map

Shaftsbury PFAS - SMS# 2023-5344

LEGEND

- Hazardous Site
- Private Wells
  - GPS Located
  - Screen Digitized
  - E911 Address Matched
  - Welldriller/Clarion
  - Unknown Location Method
  - Incorrectly Located
- Parcels (standardized)
- Stream
  - Stream
  - Intermittent Stream
- 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

VERMONT

1: 15,630

1in = 1302 ft.
1cm = 156 meters

794.0 0 397.00 794.0 Meters

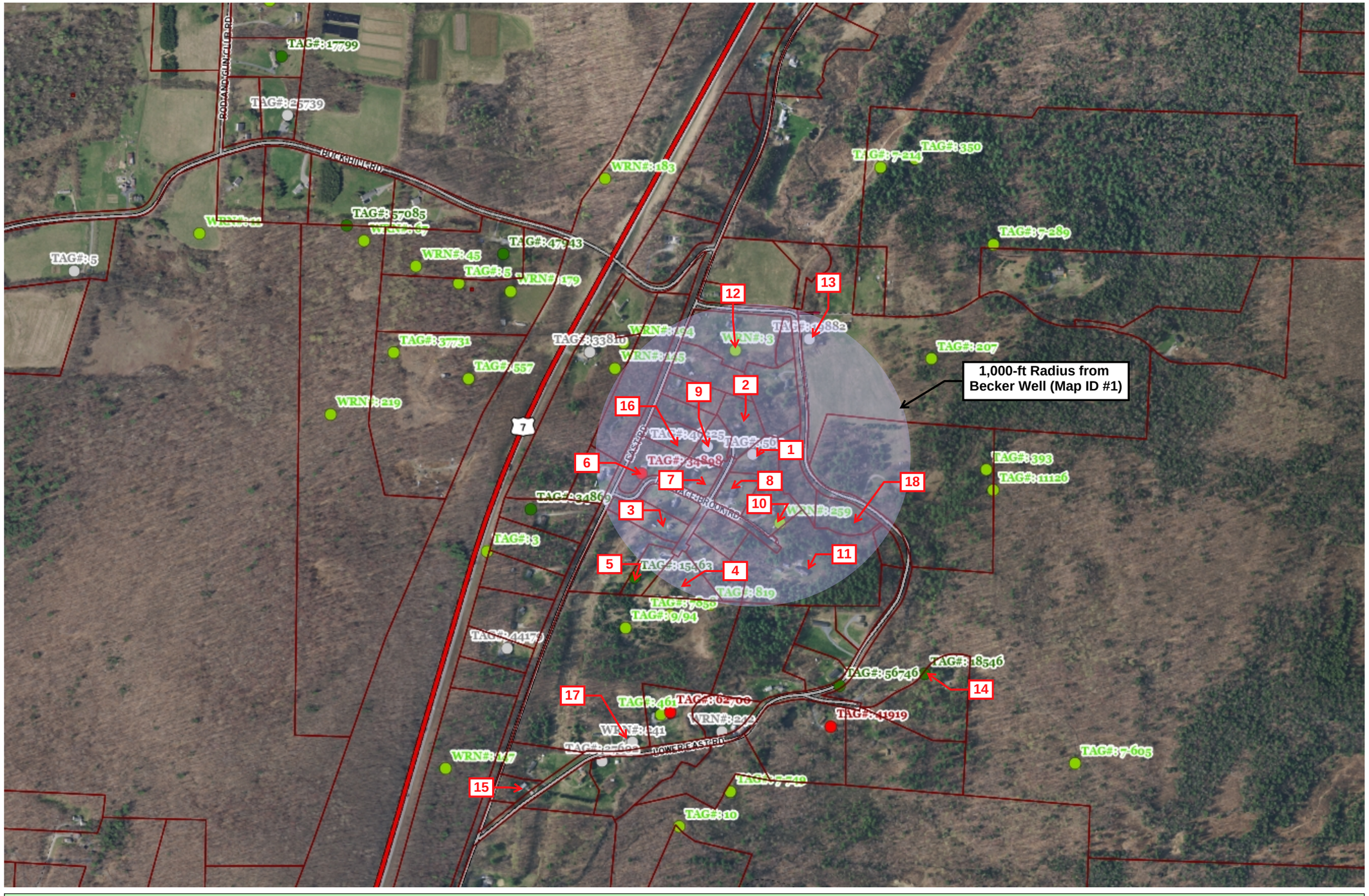
WGS_1984_Web_Mercator_Auxiliary_Sphere

NOTES

Map created using ANR's Natural Resources Atlas

Figure 2 - Sample Locations Map

Shaftsbury PFAS - SMS# 2023-5344



LEGEND

Private Wells

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

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

1 — Proposed Sample Location -see Map ID List, below

Map ID #	Street Address
1	54 Red Clover Lane
2	55 Red Clover Lane
3	56 Lucas Lane
4	75 Lucas Lane
5	76 Lucas Lane
6	43 Furnace Brook Road
7	95 Furnace Brook Road
8	152 Furnace Brook Road
9	179 Furnace Brook Road
10	197 Furance Brook Road
11	279 Furnace Brook Road
12	1012 Lower East Road
13	1117 Lower East Road
14	76 East Mountain Road
15	81 Lower East Road
16	950 East Road
17	223 Lower East Road
18	803 Lower East Road

1: 7,815

1in = 651 ft.
1cm = 78 meters

397.0 0 198.00 397.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere

VERMONT

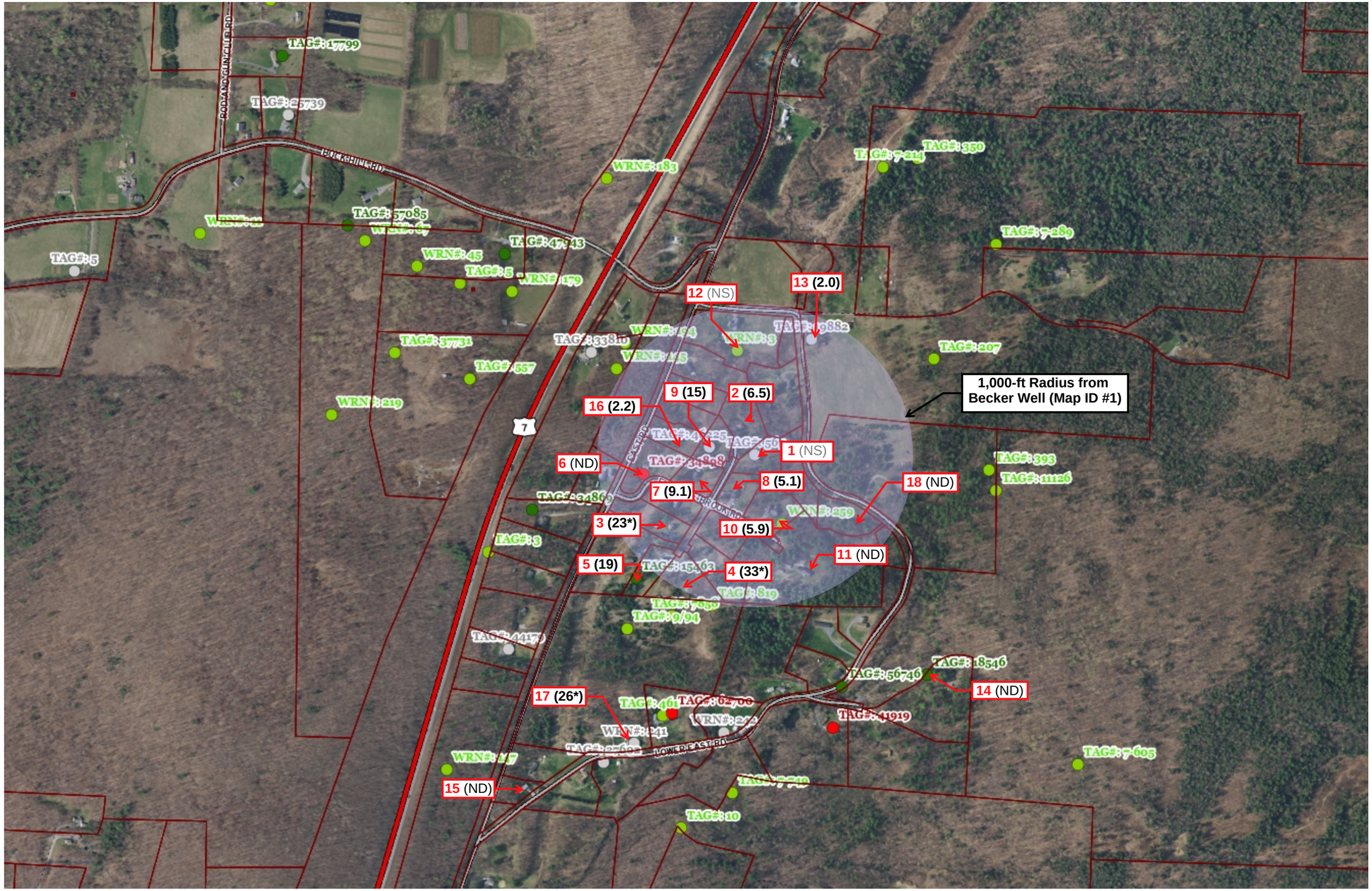
NOTES

Map created using ANR's Natural Resources Atlas

Figure 3 - Regulated PFAS Concentrations in Water Supply Samples

Sample Date: December 12, 2023

SMS# 2023-5344
Shaftsbury, Vermont



LEGEND

Private Wells

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

(2.0) PFAS Concentration (ppt)
Sum of Regulated Compounds
*indicates exceedance of Vermont Health Advisory Level (VHAL) = 20 ppt

(ND) Not Detected

(NS) Not Sampled 12/12/2023

1 Water Supply Sample Location -see Map ID List, below

Map ID #	Street Address
1	54 Red Clover Lane
2	55 Red Clover Lane
3	56 Lucas Lane
4	75 Lucas Lane
5	76 Lucas Lane
6	43 Furnace Brook Road
7	95 Furnace Brook Road
8	152 Furnace Brook Road
9	179 Furnace Brook Road
10	197 Furance Brook Road
11	279 Furnace Brook Road
12	1012 Lower East Road
13	1117 Lower East Road
14	76 East Mountain Road
15	81 Lower East Road
16	950 East Road
17	223 Lower East Road
18	803 Lower East Road

1: 7,815

1in = 651 ft.
1cm = 78 meters

397.0 0 198.00 397.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere

VERMONT

NOTES

Map created using ANR's Natural Resources Atlas

APPENDIX A

FIELD NOTES & WATER SUPPLY FORMS

Weather: Clear, 40°F @ 1025 (on site @ Davis) 290 EM 0 1121
Staff: Dominick DeLello, Amelia Kennedy

Offsite: 1530

PFAS SAMPLING
SHAFTSBURY, VERMONT

Please use sample names as listed on this sheet NOTE - Red Clover Lane and Furnace Brook Road are the same thing, numbers may vary

Map ID	Address	Owner	Phone #	Preferred arrival December 12, 2023	Influent ID & Sample Time	Field Blanks Sample Time	Notes	Well Location
3	56 Lucas Lane	Dan Davis	802-733-7407	10:00 AM	Res-3 @ ~~10:45~~	Res-3FB @ ~~10:47~~ 1047	no treatment, PT in basement	55' south of house
7	95 Furnace Brook Road	Greg Hunter	802-733-6737	10:00 AM	Res-7 @ 1120	Res-7FB @ 1122	Whole house conditioner (currently offline) and water softener, high iron & ochre; PT in basement	30' back of house
11	279 Furnace Brook Road	Scott Elithorpe	802-430-3995	10:30 AM	Res-11 @ 1150	Res-11FB @ 1152	~~no answer~~ H DO just water filter; PT in basement	100' east of house
18	803 Lower East Road	Robert Carpenter	802-733-8036	10:30 AM	Res-18 @ ~~1155~~	Res-18FB @ ~~1155~~ 1157	no treatment, PT in basement	west side of house ~35' away
10	197 Furance Brook Road	Bruce Nichols	802-770-3881	11:00 AM	Res-10 @ 1125	Res-10FB @ ~~1125~~ 1127	no treatment, PT in basement	150' behind house; 60 gpm, constant overflow
9	179 Furnace Brook Road	Melody Niles	802-681-8289	11:00 AM	Res-9 @ 1402	Res-9FB @ 1405	just water filter DUP @	Side yard by driveway
13	1117 Lower East Road	Gerald Mayer	802-779-5635	11:30 AM	Res-13 @ 1205	Res-13FB @ ~~1205~~ 1207		
15	81 Lower East Road	Joanne Schultz	802-442-2613	11:30 AM	Res-15 @ 1257	Res-15FB @ 1259	not sure re: treatment; PT in basement	buried in driveway
6	43 Furnace Brook Road	Janet Harrington (Margaret Michalski)	802-688-7428	12:00 PM	Res-6 @ 1238	Res-6FB @ 1240	Janet selling house, Margaret is contact. Not aware of treatment. PLEASE CALL Margaret ~1 HR BEFORE SAMPLING	left of driveway
14	76 East Mountain Road	Mary Babcock	802-379-6542	12:00 PM	Res-14 @ 1520	Res-14FB @ 1522	no treatment, PT in basement	back left of house
4	75 Lucas Lane	Alfonzo Giorgi	802-275-7639	12:30 PM	Res-4 @ 1310	Res-4FB @ ~~1310~~ → 1312	softener offline; PT in basement	edge of driveway
16	950 East Road	Joseph Brimmer	802-447-2667	12:30 PM	Res-16 @ 1322	Res-16FB @ 1324	whole house water softener; sample from PT in basement	west of house
2	55 Red Clover Lane	Kelley Legacy	802-379-7476	1:00 PM	Res-2 @ 1338	Res-2FB @ ~~1338~~ 1340	just filters, PT in basement	right behind house
8	152 Furnace Brook Road	Jason Volpi	802-474-2023	1:00 PM	Res-8 @ 1210	Res-8FB @ 1212	water softener offline; PT in basement	front left of house surrounded by cinder blocks
17	223 Lower East Road	Chris Cornell	802-375-5774	1:30 PM	Res-17 @ 1405	Res-17FB @ ~~1405~~ 1407	no treatment, PT in basement; feel free to knock on all the doors until they answer	between house and mobile home, in woods
5	76 Lucas Lane	Shawn Legacy	802-733-7262	2:00 PM	Res-5 @ 1435	Res-5FB @ 1437	no treatment, PT in basement	behind the house
12	1012 Lower East Road	Brian Wade			Res-12 @	Res-12FB @	mailed letter 11/9; please knock on door. Get phone and email if possible, get sample if allowed House boarded up, DNS	

Analysis: PFAS EPA Method 537.1 (drinking water); Field blanks (per residence) - please make note on COC - EXTRACT & HOLD

Babcocks may have owner info

VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT: Shaftsbury PFAS – VTDEC 280EM01121

SAMPLE E911 ADDRESS	76 East Mountain Rd.		
SAMPLER(S)	Dom Delello	DATE/TIME	12/12/23
OWNER NAME	Mary Babcock	E-MAIL	mbabcock@uesvt.org
ADDRESS (IF DIFFERENT)		TELEPHONE	802-379-6542
RENTAL?	YES (NO)	E-MAIL	
TENANT NAME		TELEPHONE	
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK (UNKNOWN)	WELL LOCATION (I.E. FRONT YARD, CELLAR…) Left of house	
DATE OF INSTALLATION	10/~~20~~24/2001	TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT: 42.94040 LONG: -73.16970	WELL TAG NUMBER	18546
		DRILLER ID #	23
WATER SOFTENER	YES (NO) TYPE:	ONSITE SEPTIC?	(YES) NO UNKNOWN
WATER FILTER	(YES) NO TYPE: Cartridge	SEPTIC LOCATION	Right of house next to driveway/lighthouse on top of it
SAMPLE LOCATION	(PRESSURE TANK SPIGOT) OUTSIDE SPIGOT KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO (NONE PRESENT)
PURGING TIMES	START: 1510 SAMPLE TIME: 1520	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID: RES-14		COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:
Basement side room: some plastic buckets, furnace, hot water heater

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

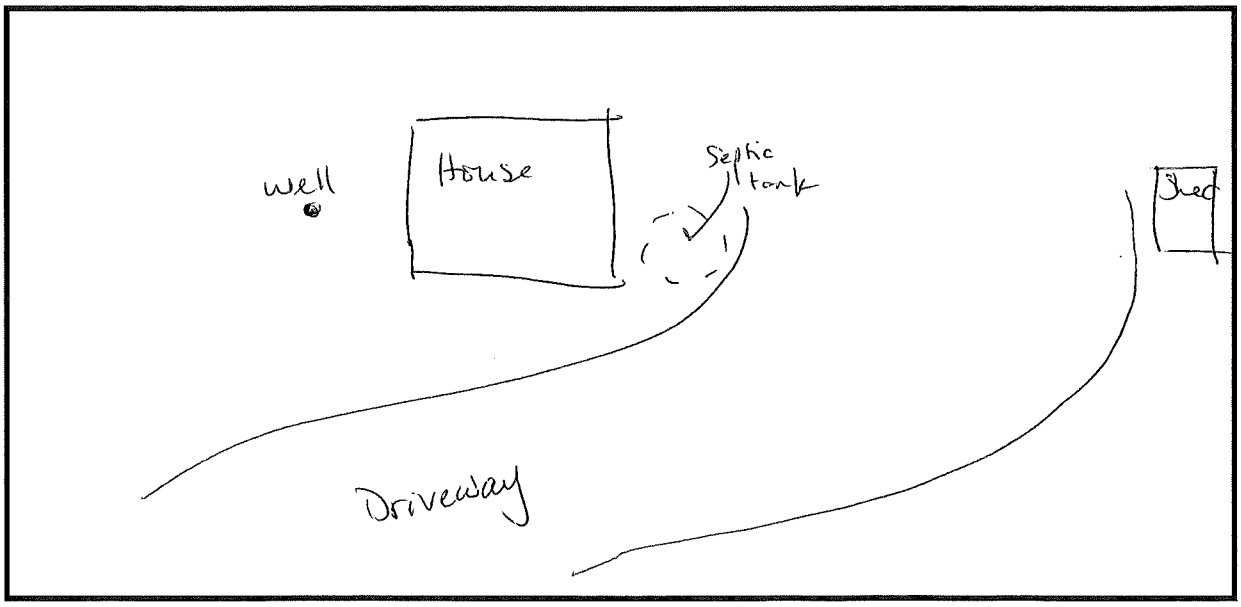
Well depth ~~~123 ft~~ (D) 170 ft, Bedrock

- Homeowners raised concern about equipment owned by neighbor leaking hydraulic fuel/ other potential oil/fuel over past ~10 years. Property in question is upgradient of well.

- Basement full of misc. stored items/boxes

- well in good condition

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:



VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT: VTDEC – Shaftsbury PFAS (Formerly 150 Furnace Brook Rd)

SAMPLE E911 ADDRESS	76 Lucas Ln.		
SAMPLER(S)	Dom Delello	DATE/TIME	12/12/23
OWNER NAME	Sharon Legacy	E-MAIL	Smleggy@comcast.net
ADDRESS (IF DIFFERENT)	—	TELEPHONE	802-733-7262
RENTAL?	YES (NO) —	E-MAIL	—
TENANT NAME	—	TELEPHONE	—
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK (UNKNOWN) ~"200ft"	WELL LOCATION (I.E. FRONT YARD, CELLAR…)	Northwest of house, back yard on small hill. Painted green, can be seen from driveway
DATE OF INSTALLATION	1/01	TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
± 15.71ft GPS COORDINATES	LAT: 42.942549870 LONG: -73.176216114	WELL TAG NUMBER	15444
		DRILLER ID #	23
WATER SOFTENER	YES (NO) TYPE:	ONSITE SEPTIC?	(YES) NO UNKNOWN
WATER FILTER	(YES) NO TYPE: Cartridge	SEPTIC LOCATION	Southwest of house yard
SAMPLE LOCATION	(PRESSURE TANK SPIGOT) OUTSIDE SPIGOT KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO (NONE PRESENT)
PURGING TIMES	START: 1425 SAMPLE TIME: 1435	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID: RES-5		COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:

Basement: Misc. furniture, toys, equipment, rug. Daughter moved back in and basement is full of items from move.

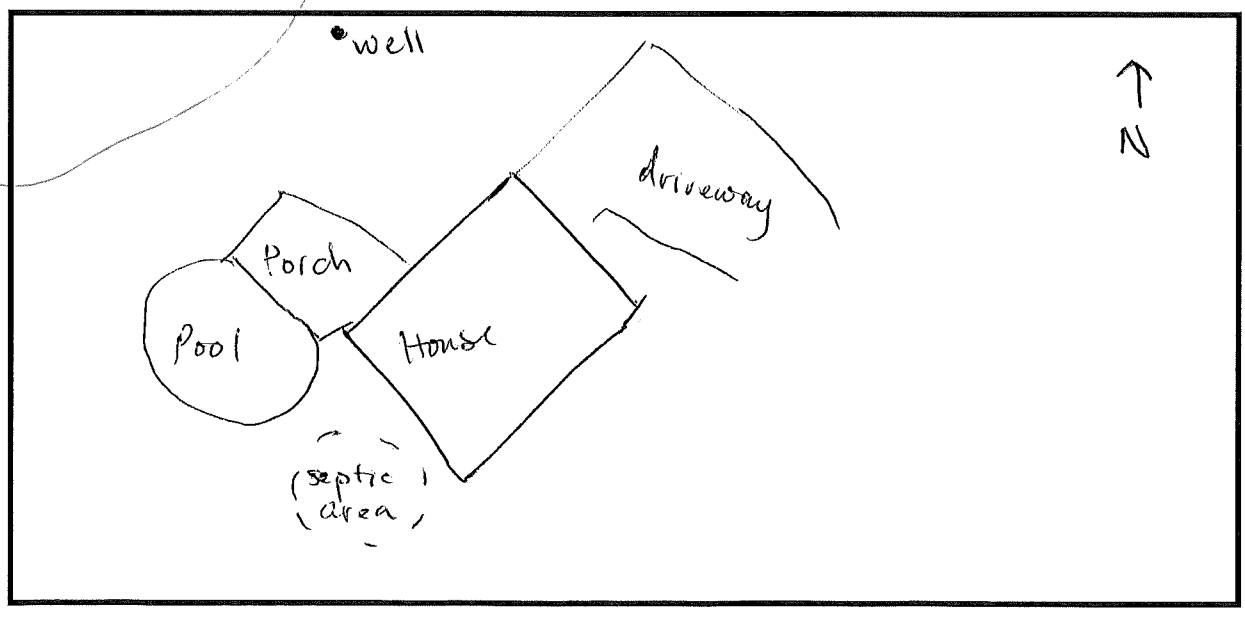
NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

Shawn estimated well to be around 200 ft w/ sand liner.
Septic is in southwest yard.
No treatment other than single cartridge filter

Well not in VTDEC database

owner mentioned old dump here

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:



VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

Shaftsbury PFAS

PROJECT: (~~452~~ 179 Furnace Brook)

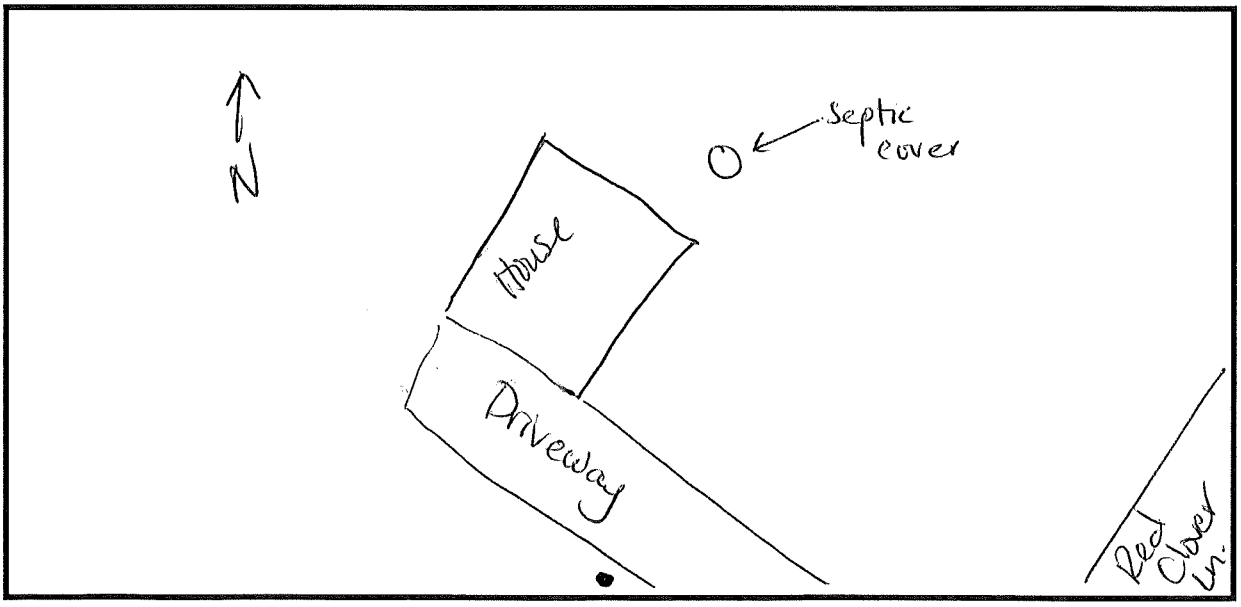
SAMPLE E911 ADDRESS	45 ~~Lucy~~ Red Clover → current address		
SAMPLER(S)	Dom Delello	DATE/TIME	12/12/23
OWNER NAME	Melody Wiles	E-MAIL	londoncn@hotmail.com
ADDRESS (IF DIFFERENT)	—	TELEPHONE	802-681-8289
RENTAL?	YES (NO)	E-MAIL	—
TENANT NAME	—	TELEPHONE	—
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK UNKNOWN (D) 80ft ~~85ft~~	WELL LOCATION (I.E. FRONT YARD, CELLAR…) Left of driveway	
DATE OF INSTALLATION	4-22-2007	TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT: 42.94441 LONG: -73.17494	WELL TAG NUMBER	46225
		DRILLER ID #	93
WATER SOFTENER	YES (NO) TYPE:	ONSITE SEPTIC?	(YES) NO UNKNOWN
WATER FILTER	(YES) NO TYPE: Cartridge	SEPTIC LOCATION	Opposite yard of driveway (side)
SAMPLE LOCATION	(PRESSURE TANK SPIGOT) OUTSIDE SPIGOT KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO (NONE PRESENT)
PURGING TIMES	START: 1351 SAMPLE TIME: 1402	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID: RES-9		COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

Well Depth ~80ft, Bedrock
Cartridge filter (removed by homeowner before sampling)
Sampled from PT spigot in basement.
No obvious PFAS materials nearby.

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:



VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT: Shaftsbury PFAS

SAMPLE E911 ADDRESS	950 East Rd		
SAMPLER(S)	Dom Delello	DATE/TIME	12/12/23
OWNER NAME	Joseph Brimmer	E-MAIL	woodchuckdenvt@yahoo.com
ADDRESS (IF DIFFERENT)	—	TELEPHONE	802-447-2667
RENTAL?	YES (NO) —	E-MAIL	—
TENANT NAME	—	TELEPHONE	—
WATER SUPPLY TYPE	SPRING OVERBURDEN (BEDROCK) UNKNOWN ~480 ft	WELL LOCATION (I.E. FRONT YARD, CELLAR…)	North corner of lot. Covered by decorative wooden well.
DATE OF INSTALLATION	2/1993 ~~3/1993~~ DD	TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES ±15.53 ft	LAT: 42.94480178 LONG: -73.17619192	WELL TAG NUMBER	~~14724215~~? DD 24215 ↑
		DRILLER ID #	16 Not in DEC database
WATER SOFTENER	(YES) NO TYPE: Whirlpool	ONSITE SEPTIC?	(YES) NO UNKNOWN
WATER FILTER	(YES) NO TYPE: Cartridge	SEPTIC LOCATION	Behind house
SAMPLE LOCATION	(PRESSURE TANK SPIGOT) OUTSIDE SPIGOT KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO (NONE PRESENT)
PURGING TIMES	START: 1310 SAMPLE TIME: 1320	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID:	RES-16	COLOR?	YES (NO) DESCRIBE:

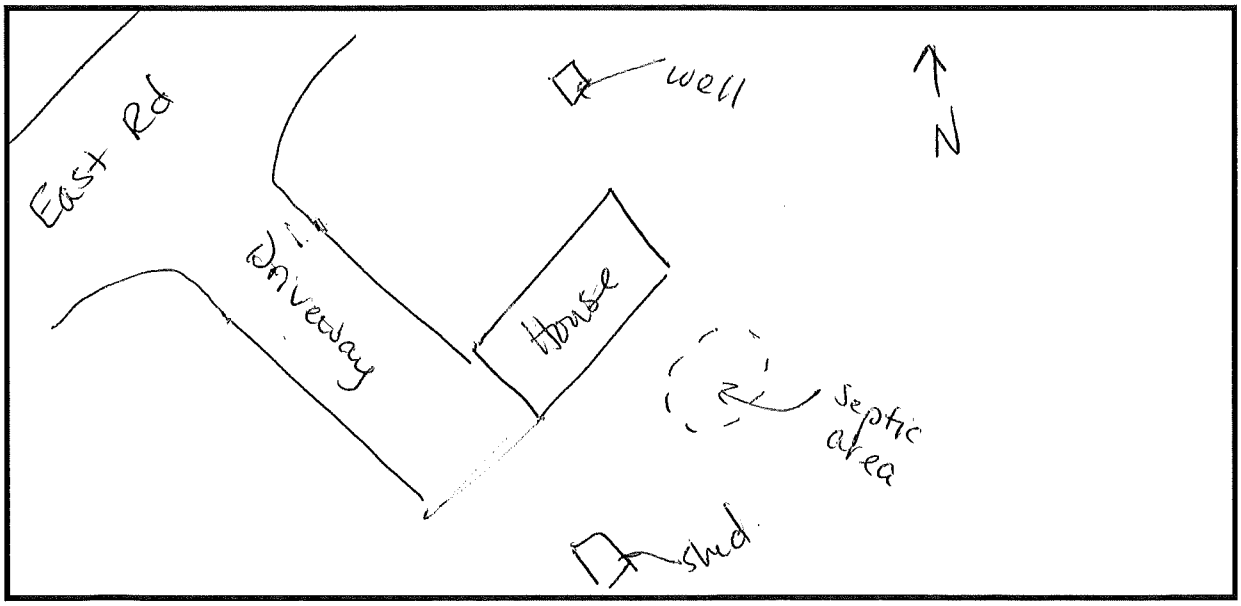
SAMPLE AREA INVENTORY/USE:

Basement: Ammunition, styrofoam board, pool table, bath mats

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

Well Depth: ~480ft according to drilling record owner possesses,
→ Well does not show up in VT database or on VTANR Atlas

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:



VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT: Shaftsbury PFAS

SAMPLE E911 ADDRESS	81 Lower East Rd		
SAMPLER(S)	~~AK~~ DD	DATE/TIME	12/12/23
OWNER NAME	Joanne Shultz	E-MAIL	jojox@comcast.net
ADDRESS (IF DIFFERENT)	—	TELEPHONE	802 442-2613
RENTAL?	YES (NO) —	E-MAIL	—
TENANT NAME	—	TELEPHONE	—
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK (UNKNOWN)	WELL LOCATION (I.E. FRONT YARD, CELLAR…)	Underdriveway 95
DATE OF INSTALLATION	assume 60's, before 94	TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT: —	WELL TAG NUMBER	N/A
	LONG: —	DRILLER ID #	N/A
WATER SOFTENER	YES (NO) TYPE:	ONSITE SEPTIC?	(YES) NO UNKNOWN
WATER FILTER	YES (NO) TYPE:	SEPTIC LOCATION	~~opposite~~ West side of house
SAMPLE LOCATION	(PRESSURE TANK SPIGOT) OUTSIDE SPIGOT KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO (NONE PRESENT)
PURGING TIMES	START: 1735 SAMPLE TIME: 1745	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID:	Res 15	COLOR?	YES (NO) DESCRIBE:

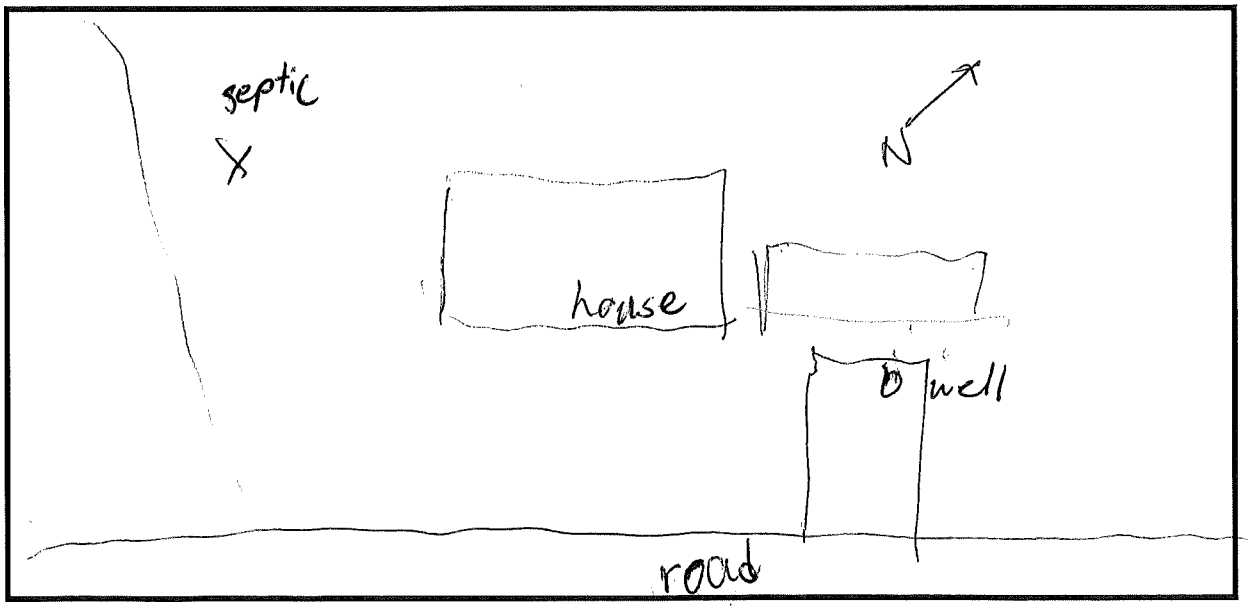
SAMPLE AREA INVENTORY/USE:

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

Unknown well depth. Wellhead not above ground and is buried in driveway according to owner.

Sampled from spigot pre-treatment/filter/PT. Strange valve opens like switch and shoots out horizontally.

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:



Res 15

VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT: Shaftsbury PFAS

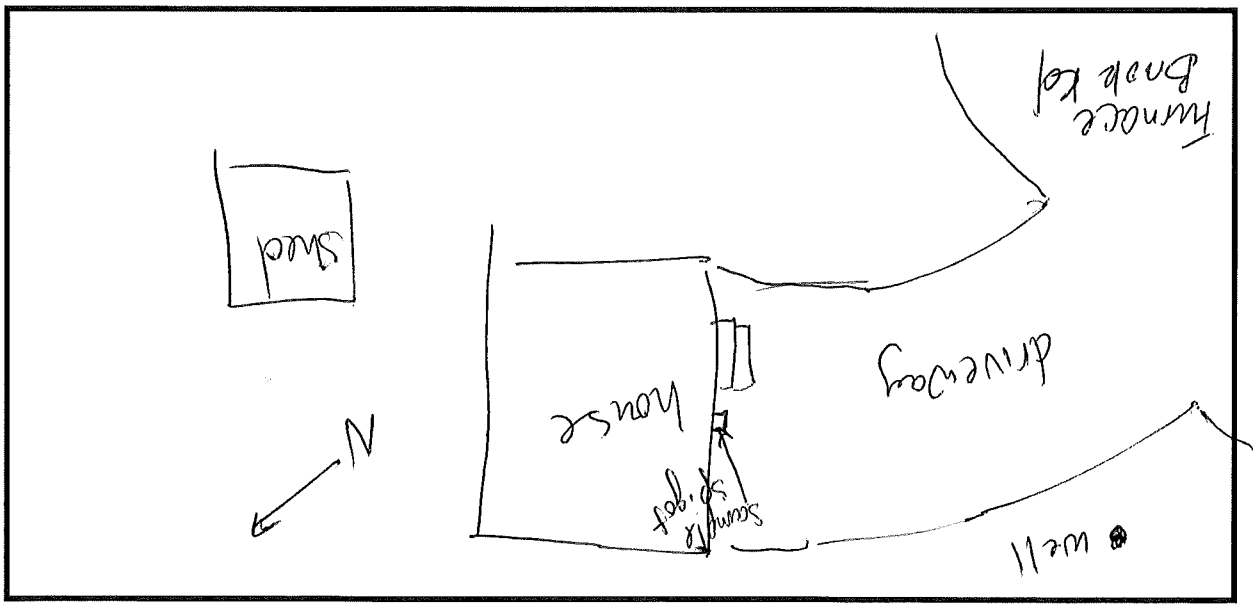
SAMPLE E911 ADDRESS	43 Furnace Brook Rd		
SAMPLER(S)	Dom Debella	DATE/TIME	12/12/23
OWNER NAME	Janet Harrington	E-MAIL	mmichalski@myfairpoint.net
ADDRESS (IF DIFFERENT)	—	TELEPHONE	802-688-7428
RENTAL?	YES (NO) —	E-MAIL	—
TENANT NAME	—	TELEPHONE	—
WATER SUPPLY TYPE	SPRING OVERBURDEN (BEDROCK) UNKNOWN (WJJ)	WELL LOCATION (I.E. FRONT YARD, CELLAR…) To left of driveway, front of house	
DATE OF INSTALLATION	~~4/2009~~ (W) 6/1/2006	TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT: 42.94394	WELL TAG NUMBER	34898
	LONG: -73.17653	DRILLER ID #	23
WATER SOFTENER	YES NO TYPE: N/A	ONSITE SEPTIC?	YES NO (UNKNOWN)
WATER FILTER	YES NO TYPE: N/A	SEPTIC LOCATION	Unknown
SAMPLE LOCATION	PRESSURE TANK SPIGOT (OUTSIDE SPIGOT) KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES (NO) (NONE PRESENT) (W)
PURGING TIMES	START: 1223 SAMPLE TIME: 1238	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID: RES-6		COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

Unknown treatment, sampled from front spigot.
Well Depth: 320 ft, Bedrock (source: VTDEC Well Report)
Home is vacant, no access to inside.

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:



VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT: Shaftsbury PFAS
152 Furnace Brook Rd

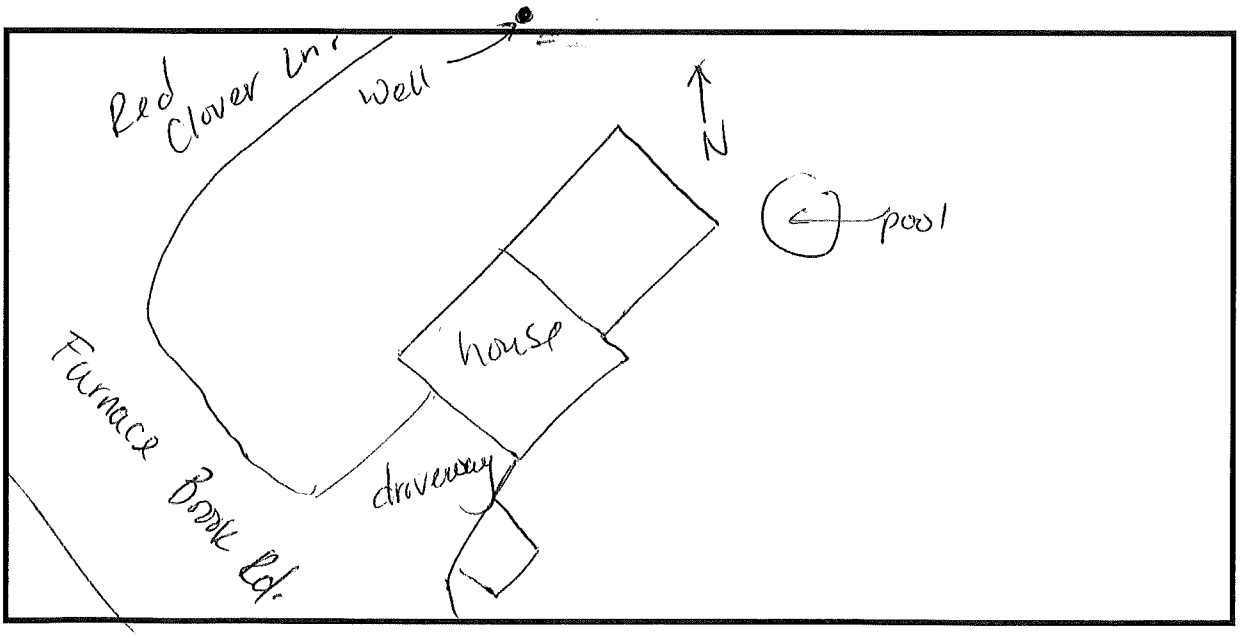
SAMPLE E911 ADDRESS	~~179 Furnace Brook Rd~~ (2)		
SAMPLER(S)	Dom DeLello	DATE/TIME	12/12/23
OWNER NAME	Jason Volpi ~~Melody Niles~~ (2)	E-MAIL	jvolpi10@gmail.com
ADDRESS (IF DIFFERENT)	—	TELEPHONE	802-474-2023
RENTAL?	YES (NO)	E-MAIL	—
TENANT NAME	—	TELEPHONE	—
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK (UNKNOWN)	WELL LOCATION (I.E. FRONT YARD, CELLAR…)	Front yard, north corner just off of road. Surrounded by concrete blocks
DATE OF INSTALLATION	Unknown	TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT: — LONG: —	WELL TAG NUMBER	—
		DRILLER ID #	—
WATER SOFTENER	(YES) NO TYPE: not in use	ONSITE SEPTIC?	YES NO (UNKNOWN)
WATER FILTER	(YES) NO TYPE: Cartridge	SEPTIC LOCATION	backyard
SAMPLE LOCATION	(PRESSURE TANK SPIGOT) OUTSIDE SPIGOT KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO (NONE PRESENT)
PURGING TIMES	START: 1200 SAMPLE TIME: 1210	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID: PES-8		COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:
Basement: Storage, Christmas/Halloween decorations, gift wrap, heating oil tank,

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

Women @ home did not know well info or Septic.

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:



VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT: Shaftsbury PFAS

SAMPLE E911 ADDRESS	279 Furnace Brook		
SAMPLER(S)	Dominick Delello	DATE/TIME	12/12/23 11:50
OWNER NAME	Scott Elithorpe	E-MAIL	smkellie@comcast.net
ADDRESS (IF DIFFERENT)	—	TELEPHONE	802-430-3995
RENTAL?	YES (NO) —	E-MAIL	—
TENANT NAME	—	TELEPHONE	—
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK (UNKNOWN) ~400ft	WELL LOCATION (I.E. FRONT YARD, CELLAR…)	East corner by woodline
DATE OF INSTALLATION	1999	TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT: —	WELL TAG NUMBER	N/A
	LONG: —	DRILLER ID #	N/A
WATER SOFTENER	YES (NO) TYPE:	ONSITE SEPTIC?	(YES) NO UNKNOWN
WATER FILTER	(YES) NO TYPE: Cartridge	SEPTIC LOCATION	Southwest between Shed + house
SAMPLE LOCATION	(PRESSURE TANK ~~SPIGOT~~) OUTSIDE SPIGOT KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES (NO) NONE PRESENT
PURGING TIMES	START: 1130 SAMPLE TIME: 1150	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID:	RES-11	COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:

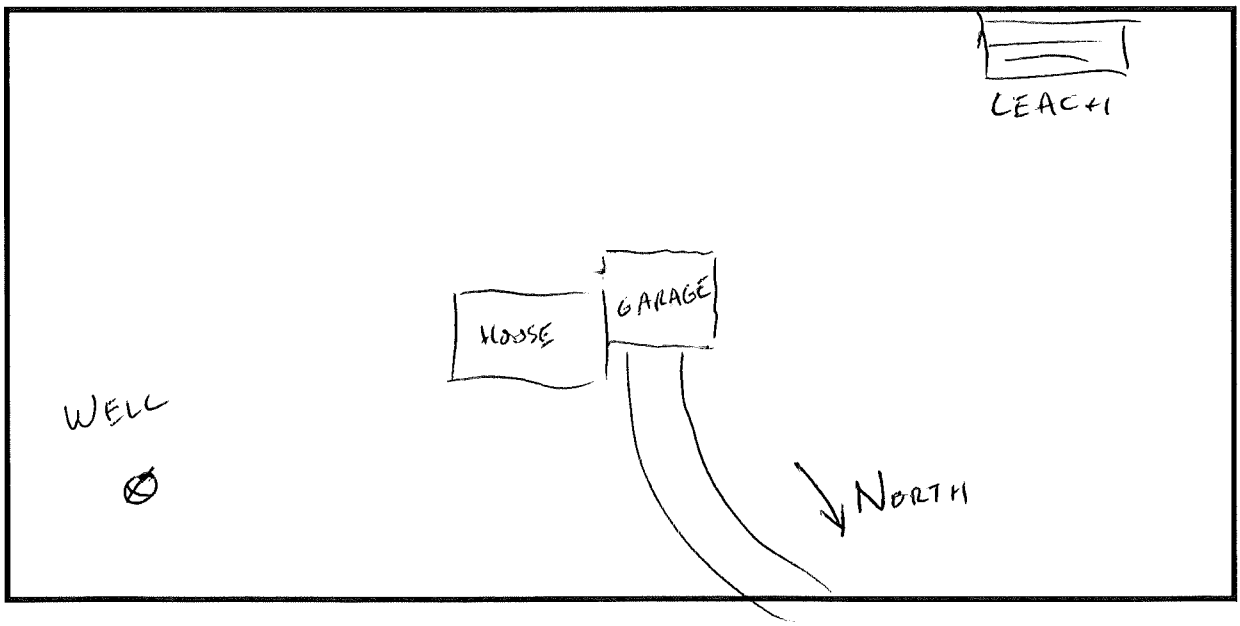
NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

Well depth ~400 ft according to owner.

Well tag is nested away, could not read.
Well is overflowing from the casing.
Visible iron buildup where overflow is running down well.

Sampled from PT spigot in basement

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:



VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT: Shaftsbury PFAS

SAMPLE E911 ADDRESS	95 Furnace Brook Rd.		
SAMPLER(S)	Dom Delelli	DATE/TIME	12/12/23
OWNER NAME	Gregory Hunter	E-MAIL	sgtgreg@comcast.net
ADDRESS (IF DIFFERENT)	—	TELEPHONE	802-733-6737
RENTAL?	YES (NO)	E-MAIL	—
TENANT NAME	—	TELEPHONE	—
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK (UNKNOWN)	WELL LOCATION (I.E. FRONT YARD, CELLAR…)	Behind garage
DATE OF INSTALLATION	~~68~~ DD 11/31/1995	TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES ±15.48ft	LAT: 42.94393900 LONG: -73.175605524	WELL TAG NUMBER	7781 -> not in well database
		DRILLER ID #	23
WATER SOFTENER	(YES) NO TYPE: -> not in operation	ONSITE SEPTIC?	(YES) NO UNKNOWN
WATER FILTER	(YES) NO TYPE: cartridge	SEPTIC LOCATION	Front of house
SAMPLE LOCATION	(PRESSURE TANK SPIGOT) OUTSIDE SPIGOT KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO (NONE PRESENT)
PURGING TIMES	START: 1106 SAMPLE TIME: 1120	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID: RES-7		COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:

Basement: storage, heating, DW, septic lines

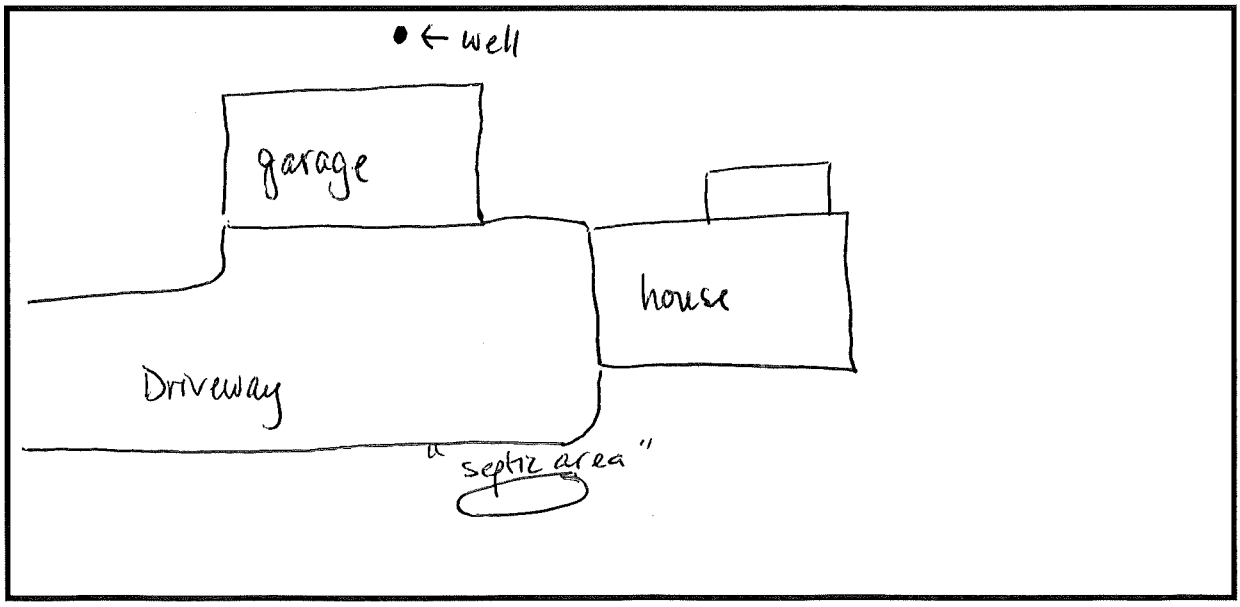
NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

Non operational softener, whole house conditioner
high iron & ochre

Well located ~5ft off back of garage

Septic tank in front yard to the right of driveway

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:



VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT:

SAMPLE E911 ADDRESS	56 Lucas Ln Shaftsbury VT		
SAMPLER(S)	AK, DD	DATE/TIME	12/12/23 10:30
OWNER NAME	Dan Davis	E-MAIL	Dwdandson@gmail.com
ADDRESS (IF DIFFERENT)	~~56 Lucas Ln~~	TELEPHONE	802-733-7407
RENTAL?	YES (NO)	E-MAIL	
TENANT NAME		TELEPHONE	
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK (UNKNOWN) 140ft	WELL LOCATION (I.E. FRONT YARD, CELLAR…) backyard → left of house in woodline behind shed TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
DATE OF INSTALLATION	1996		
GPS COORDINATES	LAT:	WELL TAG NUMBER	7812 (not in VTDEC database)
	LONG:	DRILLER ID #	23
WATER SOFTENER	YES (NO) TYPE:	ONSITE SEPTIC?	(YES) NO UNKNOWN
WATER FILTER	YES (NO) TYPE:	SEPTIC LOCATION	front of house
SAMPLE LOCATION	(PRESSURE TANK SPIGOT) OUTSIDE SPIGOT KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO (NONE PRESENT)
PURGING TIMES	START: 1036 SAMPLE TIME: 1045	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID: RES-3		COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:

Fake Christmas tree/decorations

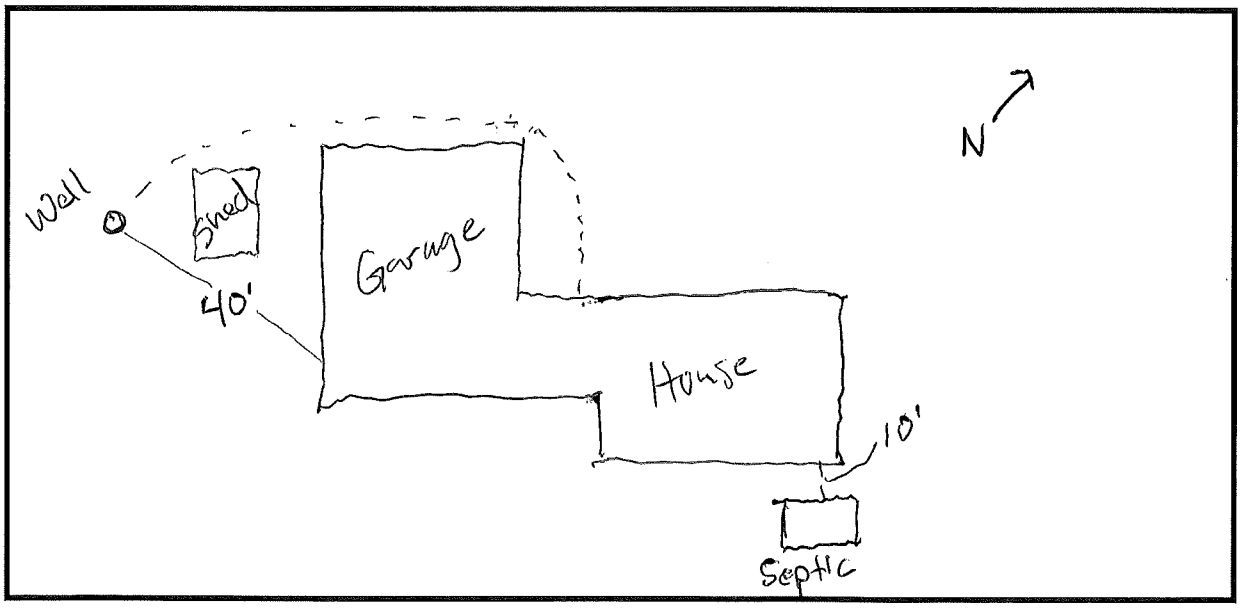
9 2 of 9

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

area was a gravel pit

Well depth = ~140 ft according to owner.
No online information on VTDEC database.

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:



VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT: Shaftsbury PFAS

SAMPLE E911 ADDRESS	75 Lucas Ln		
SAMPLER(S)	A/C	DATE/TIME	12/12/23 1300
OWNER NAME	Alfanzo Giorr	E-MAIL	fonzfer@gmail.com
ADDRESS (IF DIFFERENT)	—	TELEPHONE	802-275-7639
RENTAL?	YES NO (circled: NO) —	E-MAIL	—
TENANT NAME	—	TELEPHONE	—
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK UNKNOWN (circled: UNKNOWN)	WELL LOCATION (I.E. FRONT YARD, CELLAR…)	by driveway
DATE OF INSTALLATION	~~No~~ 15 years ish (on move in) '97	TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT:	WELL TAG NUMBER	196
	LONG:	DRILLER ID #	
WATER SOFTENER	YES NO TYPE: unknown	ONSITE SEPTIC?	YES (circled) NO UNKNOWN
WATER FILTER	YES (circled) NO TYPE:	SEPTIC LOCATION	~~in front of house~~ backyard
SAMPLE LOCATION	PRESSURE TANK SPIGOT (circled) OUTSIDE SPIGOT KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO NONE PRESENT (circled)
PURGING TIMES	START: 1300 SAMPLE TIME: 1310	ODOR?	YES NO (circled) DESCRIBE:
SAMPLE ID:	Res-4	COLOR?	YES NO (circled) DESCRIBE:

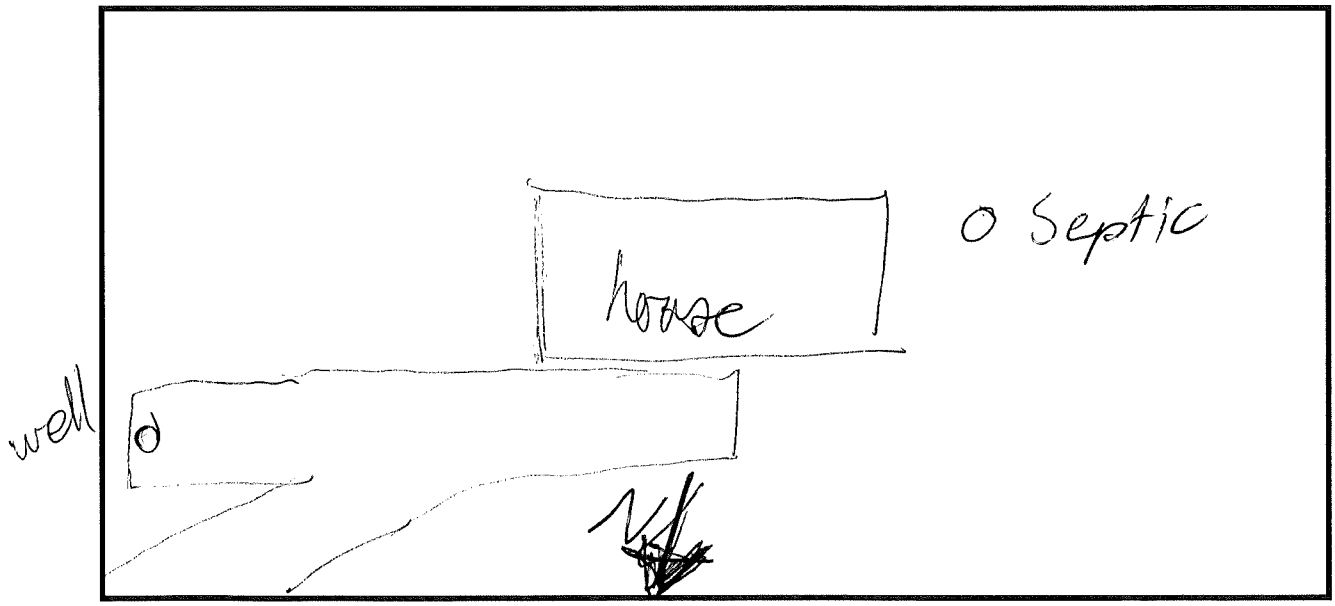
SAMPLE AREA INVENTORY/USE:

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

Res-4

Unknown well data.

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:



VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

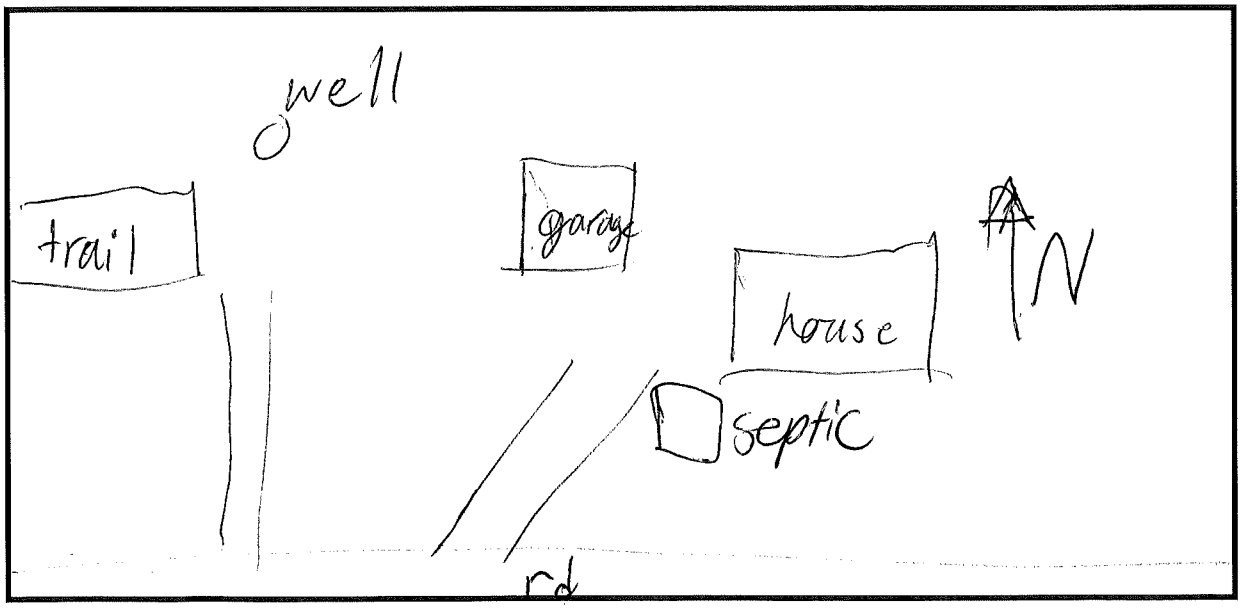
PROJECT: Shaftsbury PFAS

SAMPLE E911 ADDRESS	223 Lower East Rd Shaftsbury		
SAMPLER(S)	AK	DATE/TIME	12/12/23
OWNER NAME	Chris Cornell	E-MAIL	cscboat61460@yahoo.com
ADDRESS (IF DIFFERENT)	—	TELEPHONE	802 375 5774
RENTAL?	YES (NO)	E-MAIL	—
TENANT NAME	—	TELEPHONE	—
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK (UNKNOWN)	WELL LOCATION (I.E. FRONT YARD, CELLAR…) end of trailer driveway	
DATE OF INSTALLATION	~1983 More than 28 years ago	280' deep TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT:	WELL TAG NUMBER	
	LONG:	DRILLER ID #	
WATER SOFTENER	YES (NO) TYPE:	ONSITE SEPTIC?	(YES) NO UNKNOWN
WATER FILTER	YES (NO) TYPE:	SEPTIC LOCATION	
SAMPLE LOCATION	(PRESSURE TANK SPIGOT) OUTSIDE SPIGOT KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO (NONE PRESENT)
PURGING TIMES	START: 1355 SAMPLE TIME: 1405	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID: Res -17		COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:



VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

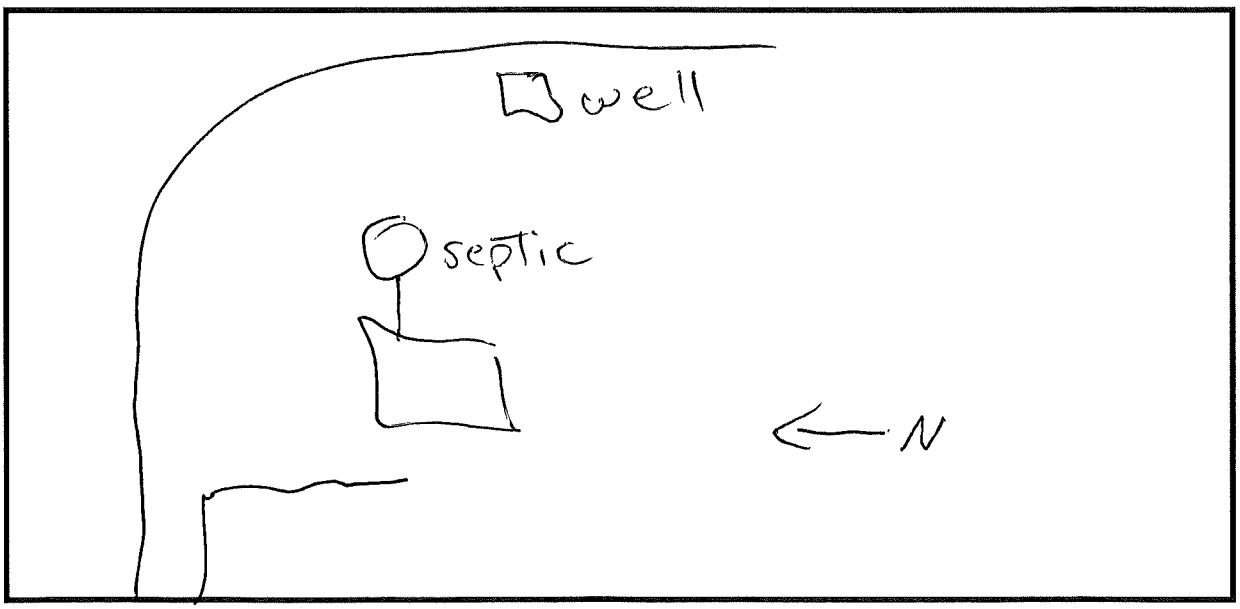
PROJECT: Shaftsbury PFAS

SAMPLE E911 ADDRESS	1117 Lower East Rd, Shaftsbury VT		
SAMPLER(S)	AK	DATE/TIME	12/12/23 1205
OWNER NAME	Gerald Mayer	E-MAIL	j13mayer@yahoo.com
ADDRESS (IF DIFFERENT)	–	TELEPHONE	802-779-5635
RENTAL?	YES (NO) –	E-MAIL	–
TENANT NAME	–	TELEPHONE	–
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK (UNKNOWN)	WELL LOCATION (I.E. FRONT YARD, CELLAR…)	byriver, shallow well 8' deep
DATE OF INSTALLATION	before 99 unsure	TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT:	WELL TAG NUMBER	3
	LONG:	DRILLER ID #	
WATER SOFTENER	YES (NO) TYPE:	ONSITE SEPTIC?	(YES) NO UNKNOWN
WATER FILTER	YES (NO) TYPE:	SEPTIC LOCATION	backyard
SAMPLE LOCATION	(PRESSURE TANK SPIGOT) OUTSIDE SPIGOT KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO (NONE PRESENT)
PURGING TIMES	START: 1165 SAMPLE TIME: 1205	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID:	Res 13	COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:



VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

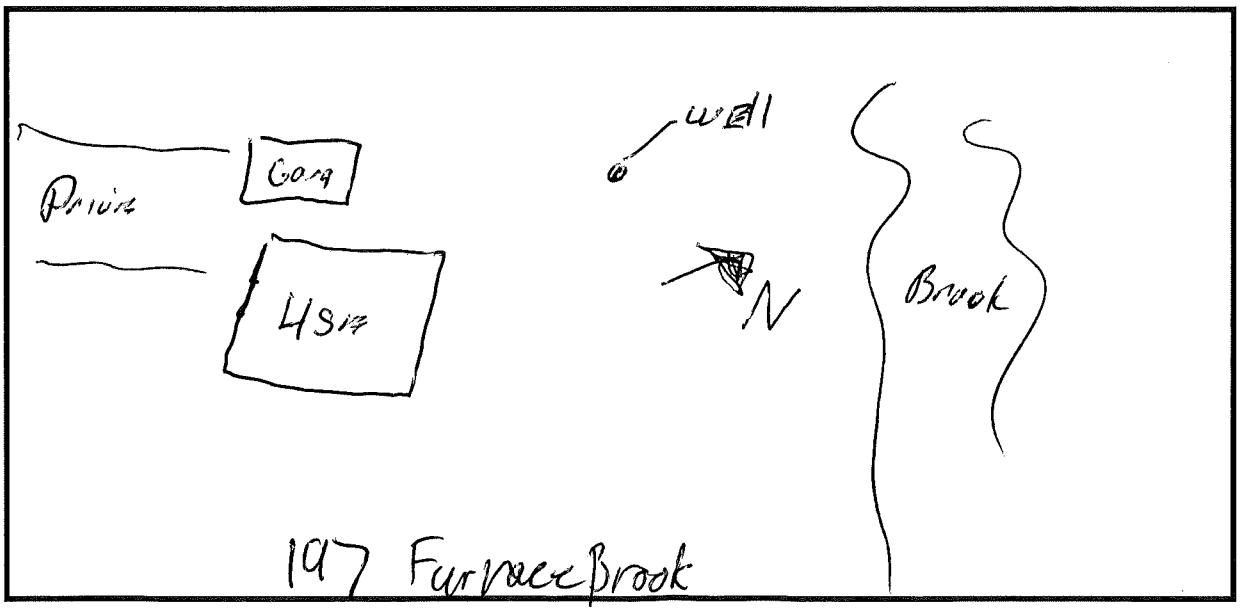
PROJECT: Shaftsbury PFAS

SAMPLE E911 ADDRESS	197 Furnace Brook Res-1D		
SAMPLER(S)	AK	DATE/TIME	12/12/23 11:25
OWNER NAME	Bruce Nichols	E-MAIL	banic802@gmail.com
ADDRESS (IF DIFFERENT)	—	TELEPHONE	770-3881
RENTAL?	YES (NO) —	E-MAIL	—
TENANT NAME	—	TELEPHONE	—
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK (UNKNOWN)	WELL LOCATION (I.E. FRONT YARD, CELLAR…)	constant flow Backyard
DATE OF INSTALLATION	1999	152ft 140ft casing TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT:	WELL TAG NUMBER	46225
	LONG:	DRILLER ID #	
WATER SOFTENER	YES (NO) TYPE:	ONSITE SEPTIC?	(YES) NO UNKNOWN
WATER FILTER	YES (NO) TYPE:	SEPTIC LOCATION	frontyard
SAMPLE LOCATION	(PRESSURE TANK SPIGOT) OUTSIDE SPIGOT KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO (NONE PRESENT)
PURGING TIMES	START: 1115 SAMPLE TIME: 1125	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID:	Res-1D	COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:



VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT: Shaftsbury PFAS

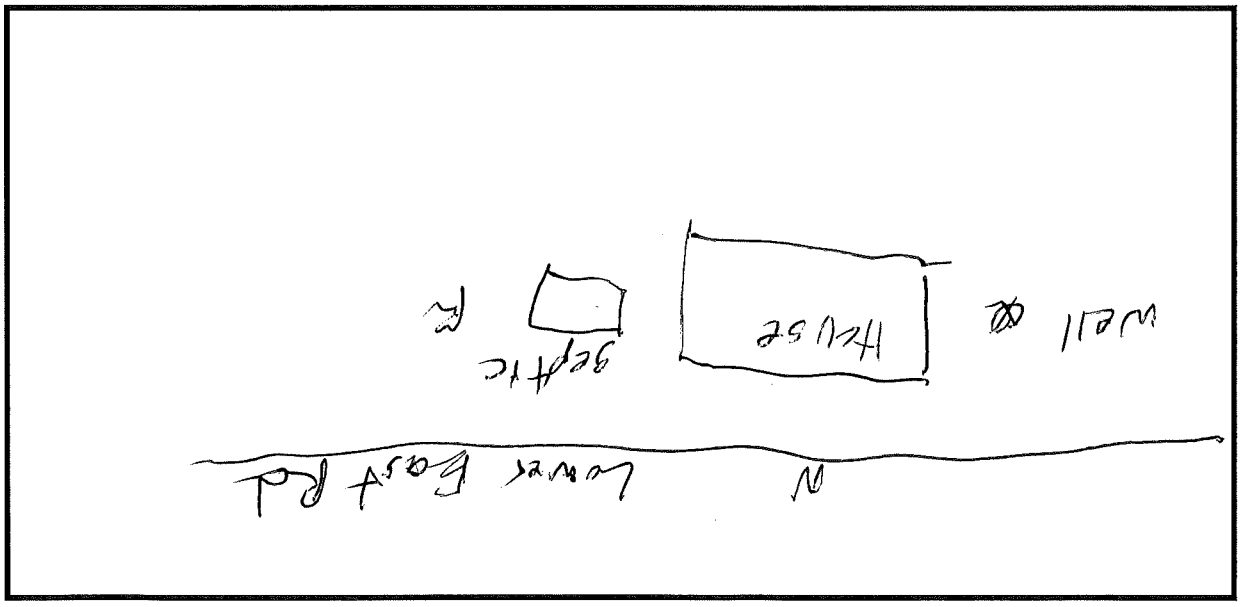
SAMPLE E911 ADDRESS	803 Lower East Rd Shaftsbury		
SAMPLER(S)	AK	DATE/TIME	12/12/23 11:55
OWNER NAME	Bob Carpenter	E-MAIL	carpenterselectric@gmail.com
ADDRESS (IF DIFFERENT)	—	TELEPHONE	802-733-8036
RENTAL?	YES (NO)	E-MAIL	—
TENANT NAME	—	TELEPHONE	—
WATER SUPPLY TYPE	SPRING OVERBURDEN (BEDROCK) UNKNOWN 90' casing	WELL LOCATION (I.E. FRONT YARD, CELLAR…)	West of house
DATE OF INSTALLATION	1987	TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT:	WELL TAG NUMBER	—
	LONG:	DRILLER ID #	—
WATER SOFTENER	YES (NO) TYPE:	ONSITE SEPTIC?	(YES) NO UNKNOWN
WATER FILTER	YES (NO) TYPE:	SEPTIC LOCATION	East of house
SAMPLE LOCATION	(PRESSURE TANK SPIGOT) OUTSIDE SPIGOT KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO (NONE PRESENT)
PURGING TIMES	START: 1145 SAMPLE TIME: 1155	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID:	Res-18	COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

Res - 18

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:



VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

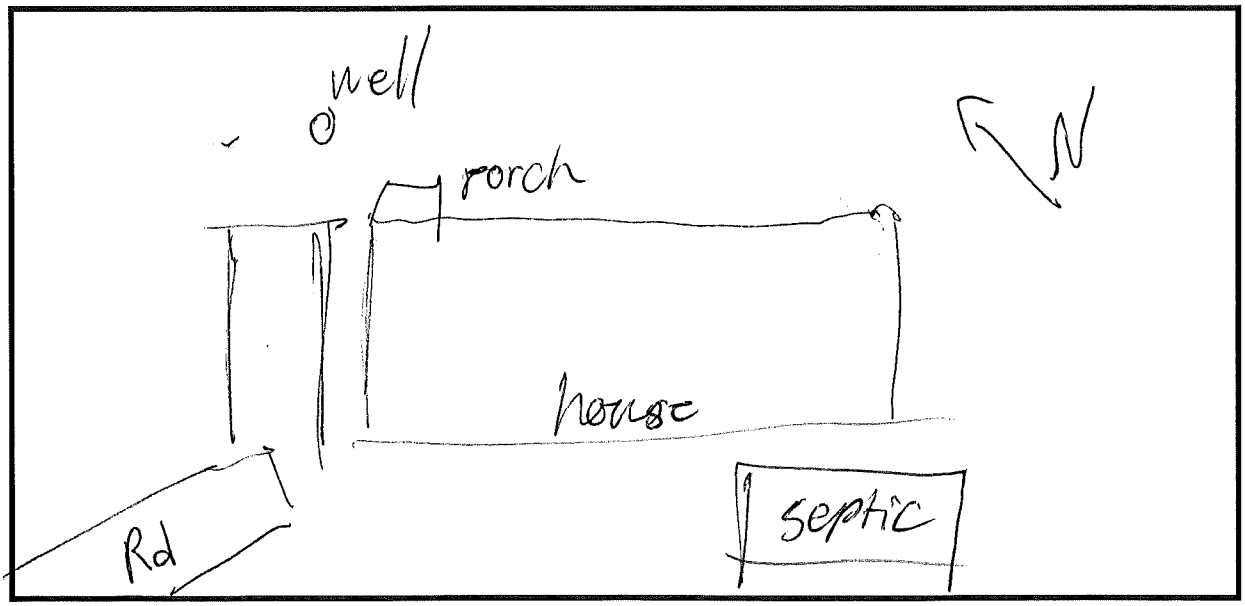
PROJECT: Shaftsbury PFAS

SAMPLE E911 ADDRESS	55 Red Clover Shaftsbury		
SAMPLER(S)	AK	DATE/TIME	12/12/23
OWNER NAME	Kelley Legacy	E-MAIL	legacyscott71@gmail.com
ADDRESS (IF DIFFERENT)	–	TELEPHONE	802-379-7476
RENTAL?	YES (NO)	E-MAIL	–
TENANT NAME	–	TELEPHONE	–
WATER SUPPLY TYPE	SPRING (OVERBURDEN) BEDROCK UNKNOWN	WELL LOCATION (I.E. FRONT YARD, CELLAR…)	
DATE OF INSTALLATION	1995	90-100' deep in front of driveway TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT: LONG:	WELL TAG NUMBER	–
		DRILLER ID #	–
WATER SOFTENER	YES (NO) TYPE:	ONSITE SEPTIC?	(YES) NO UNKNOWN
WATER FILTER	(YES) NO TYPE:	SEPTIC LOCATION	front of house
SAMPLE LOCATION	PRESSURE TANK SPIGOT OUTSIDE SPIGOT KITCHEN FAUCET OTHER: _____	AERATOR REMOVED?	YES NO (NONE PRESENT)
PURGING TIMES	START: 1328 SAMPLE TIME: 1338	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID:	Res-2	COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:



APPENDIX B

LABORATORY ANALYTICAL REPORTS

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 28, 2023

Jo Palmer
Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495

Project Location: Shaftsbury, VT
Client Job Number:
Project Number: 280EM01121
Laboratory Work Order Number: 23L2032

Enclosed are results of analyses for samples as received by the laboratory on December 13, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rebecca Faust
Project Manager

Table of Contents

Table of Contents (continued)

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495
ATTN: Jo Palmer

REPORT DATE: 12/28/2023

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280EM01121

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23L2032

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Shaftsbury, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RES-3	23L2032-01	Drinking Water		EPA 537.1	
RES-3 FB	23L2032-02	Field Blank		EPA 537.1	
RES-7	23L2032-03	Drinking Water		EPA 537.1	
RES-7 FB	23L2032-04	Field Blank		EPA 537.1	
RES-11	23L2032-05	Drinking Water		EPA 537.1	
RES-11 FB	23L2032-06	Field Blank		EPA 537.1	
RES-18	23L2032-07	Drinking Water		EPA 537.1	
RES-10	23L2032-09	Drinking Water		EPA 537.1	
RES-10 FB	23L2032-10	Field Blank		EPA 537.1	
RES-9	23L2032-11	Drinking Water		EPA 537.1	
RES-9 FB	23L2032-12	Field Blank		EPA 537.1	
RES-13	23L2032-13	Drinking Water		EPA 537.1	
RES-13 FB	23L2032-14	Field Blank		EPA 537.1	
RES-15	23L2032-15	Drinking Water		EPA 537.1	
RES-6	23L2032-17	Drinking Water		EPA 537.1	
RES-14	23L2032-19	Drinking Water		EPA 537.1	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA 537.1

Qualifications:

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

11Cl-PF3OUdS (F53B Major)
S098478-CCV2

9Cl-PF3ONS (F53B Minor)
S098478-CCV2

Hexafluoropropylene oxide dimer acid (HFPO-DA)
S098478-CCV2

V-32

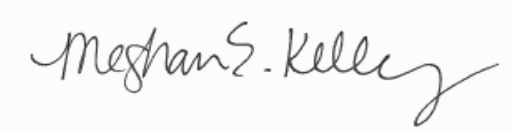
Opening calibration verification was within control criteria. Closing calibration verification was outside of criteria and biased on the high side. Re-analysis yielded similar non-conformance, matrix interference confirmed.

Analyte & Samples(s) Qualified:

Perfluorooctanesulfonic acid (PFOS)
S098478-CCV2

Perfluorooctanoic acid (PFOA)
S098478-CCV2

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

con-test® A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2032

Date Received: 12/13/2023

Field Sample #: RES-3 | Sampled: 12/12/2023 10:45

Sample ID: 23L2032-01

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2
Perfluorooctanoic acid (PFOA)	23	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:46	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	96.6	70-130		12/27/23 17:46
M3HFPO-DA	95.3	70-130		12/27/23 17:46
13C-PFDA	91.6	70-130		12/27/23 17:46
D5-NEtFOSAA	85.0	70-130		12/27/23 17:46

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2032

Date Received: 12/13/2023

Field Sample #: RES-3 FB | Sampled: 12/12/2023 10:47

Sample ID: 23L2032-02

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 17:54	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	90.7	70-130		12/27/23 17:54
M3HFPO-DA	89.1	70-130		12/27/23 17:54
13C-PFDA	87.0	70-130		12/27/23 17:54
D5-NEtFOSAA	82.5	70-130		12/27/23 17:54

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2032

Date Received: 12/13/2023

Field Sample #: RES-7 | Sampled: 12/12/2023 11:20

Sample ID: 23L2032-03

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2
Perfluorooctanoic acid (PFOA)	9.1	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:01	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	88.4	70-130		12/27/23 18:01
M3HFPO-DA	87.5	70-130		12/27/23 18:01
13C-PFDA	85.5	70-130		12/27/23 18:01
D5-NEtFOSAA	79.2	70-130		12/27/23 18:01

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2032

Date Received: 12/13/2023

Field Sample #: RES-7 FB | Sampled: 12/12/2023 11:22

Sample ID: 23L2032-04

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:08	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	77.3	70-130		12/27/23 18:08
M3HFPO-DA	76.7	70-130		12/27/23 18:08
13C-PFDA	93.9	70-130		12/27/23 18:08
D5-NEtFOSAA	90.6	70-130		12/27/23 18:08

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2032

Date Received: 12/13/2023

Field Sample #: RES-11 | Sampled: 12/12/2023 11:50

Sample ID: 23L2032-05

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:15	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	89.4	70-130		12/27/23 18:15
M3HFPO-DA	91.7	70-130		12/27/23 18:15
13C-PFDA	76.6	70-130		12/27/23 18:15
D5-NEtFOSAA	70.8	70-130		12/27/23 18:15

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2032

Date Received: 12/13/2023

Field Sample #: RES-11 FB | Sampled: 12/12/2023 11:52

Sample ID: 23L2032-06

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:22	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	90.0	70-130		12/27/23 18:22
M3HFPO-DA	90.5	70-130		12/27/23 18:22
13C-PFDA	97.0	70-130		12/27/23 18:22
D5-NEtFOSAA	93.6	70-130		12/27/23 18:22

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2032

Date Received: 12/13/2023

Field Sample #: RES-18 | Sampled: 12/12/2023 11:55

Sample ID: 23L2032-07

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:29	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	90.4	70-130		12/27/23 18:29
M3HFPO-DA	90.5	70-130		12/27/23 18:29
13C-PFDA	87.0	70-130		12/27/23 18:29
D5-NEtFOSAA	87.0	70-130		12/27/23 18:29

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2032

Date Received: 12/13/2023

Field Sample #: RES-10 | Sampled: 12/12/2023 11:25

Sample ID: 23L2032-09

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2
Perfluorooctanoic acid (PFOA)	5.9	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:44	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	93.9	70-130		12/27/23 18:44
M3HFPO-DA	94.4	70-130		12/27/23 18:44
13C-PFDA	93.7	70-130		12/27/23 18:44
D5-NEtFOSAA	86.5	70-130		12/27/23 18:44

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2032

Date Received: 12/13/2023

Field Sample #: RES-10 FB | Sampled: 12/12/2023 11:27

Sample ID: 23L2032-10

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2
N-EtFOSAA (NEtFOSAA)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2
N-MeFOSAA (NMeFOSAA)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2
11Cl-PF3OUdS (F53B Major)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2
9Cl-PF3ONS (F53B Minor)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 537.1	12/26/23	12/27/23 18:58	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	92.4	70-130		12/27/23 18:58
M3HFPO-DA	92.6	70-130		12/27/23 18:58
13C-PFDA	88.5	70-130		12/27/23 18:58
D5-NEtFOSAA	83.2	70-130		12/27/23 18:58

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2032

Date Received: 12/13/2023

Field Sample #: RES-9 | Sampled: 12/12/2023 14:02

Sample ID: 23L2032-11

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2
Perfluorohexanoic acid (PFHxA)	21	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2
Perfluoroheptanoic acid (PFHpA)	2.6	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2
Perfluorooctanoic acid (PFOA)	12	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:05	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	109	70-130		12/27/23 19:05
M3HFPO-DA	110	70-130		12/27/23 19:05
13C-PFDA	105	70-130		12/27/23 19:05
D5-NEtFOSAA	95.3	70-130		12/27/23 19:05

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2032

Date Received: 12/13/2023

Field Sample #: RES-9 FB | Sampled: 12/12/2023 14:05

Sample ID: 23L2032-12

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:13	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	105	70-130		12/27/23 19:13
M3HFPO-DA	105	70-130		12/27/23 19:13
13C-PFDA	105	70-130		12/27/23 19:13
D5-NEtFOSAA	99.2	70-130		12/27/23 19:13

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2032

Date Received: 12/13/2023

Field Sample #: RES-13 | Sampled: 12/12/2023 12:05

Sample ID: 23L2032-13

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2
Perfluorooctanoic acid (PFOA)	2.0	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:20	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	90.0	70-130		12/27/23 19:20
M3HFPO-DA	89.3	70-130		12/27/23 19:20
13C-PFDA	82.3	70-130		12/27/23 19:20
D5-NEtFOSAA	74.5	70-130		12/27/23 19:20

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2032

Date Received: 12/13/2023

Field Sample #: RES-13 FB | Sampled: 12/12/2023 12:07

Sample ID: 23L2032-14

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:27	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	90.1	70-130		12/27/23 19:27
M3HFPO-DA	91.5	70-130		12/27/23 19:27
13C-PFDA	89.7	70-130		12/27/23 19:27
D5-NEtFOSAA	83.0	70-130		12/27/23 19:27

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2032

Date Received: 12/13/2023

Field Sample #: RES-15 | Sampled: 12/12/2023 12:57

Sample ID: 23L2032-15

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:34	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	80.2	70-130		12/27/23 19:34
M3HFPO-DA	80.3	70-130		12/27/23 19:34
13C-PFDA	82.0	70-130		12/27/23 19:34
D5-NEtFOSAA	74.7	70-130		12/27/23 19:34

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2032

Date Received: 12/13/2023

Field Sample #: RES-6 | Sampled: 12/12/2023 12:30

Sample ID: 23L2032-17

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 19:48	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	92.1	70-130		12/27/23 19:48
M3HFPO-DA	92.5	70-130		12/27/23 19:48
13C-PFDA	85.7	70-130		12/27/23 19:48
D5-NEtFOSAA	82.5	70-130		12/27/23 19:48

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2032

Date Received: 12/13/2023

Field Sample #: RES-14 | Sampled: 12/12/2023 15:20

Sample ID: 23L2032-19

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 537.1	12/26/23	12/27/23 20:03	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	96.5	70-130		12/27/23 20:03
M3HFPO-DA	98.1	70-130		12/27/23 20:03
13C-PFDA	101	70-130		12/27/23 20:03
D5-NEtFOSAA	95.8	70-130		12/27/23 20:03

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Sample Extraction Data

Prep Method:EPA 537.1 **Analytical Method:EPA 537.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23L2032-01 [RES-3]	B360801	271	1.00	12/26/23
23L2032-02 [RES-3 FB]	B360801	275	1.00	12/26/23
23L2032-03 [RES-7]	B360801	279	1.00	12/26/23
23L2032-04 [RES-7 FB]	B360801	273	1.00	12/26/23
23L2032-05 [RES-11]	B360801	273	1.00	12/26/23
23L2032-06 [RES-11 FB]	B360801	263	1.00	12/26/23
23L2032-07 [RES-18]	B360801	269	1.00	12/26/23
23L2032-09 [RES-10]	B360801	283	1.00	12/26/23
23L2032-10 [RES-10 FB]	B360801	255	1.00	12/26/23
23L2032-11 [RES-9]	B360801	268	1.00	12/26/23
23L2032-12 [RES-9 FB]	B360801	268	1.00	12/26/23
23L2032-13 [RES-13]	B360801	265	1.00	12/26/23
23L2032-14 [RES-13 FB]	B360801	263	1.00	12/26/23
23L2032-15 [RES-15]	B360801	282	1.00	12/26/23
23L2032-17 [RES-6]	B360801	269	1.00	12/26/23
23L2032-19 [RES-14]	B360801	263	1.00	12/26/23

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B360801 - EPA 537.1										
Blank (B360801-BLK1)				Prepared: 12/26/23 Analyzed: 12/27/23						
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.9	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.9	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.9	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.9	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.9	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	1.9	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.9	ng/L							
N-MeFOSAA (NMeFOSAA)	ND	1.9	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.9	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	1.9	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.9	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.9	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	ng/L							
Surrogate: 13C-PFHxA	*39.3*		ng/L	38.4		103	70-130			
Surrogate: M3HFPO-DA	*40.5*		ng/L	38.4		105	70-130			
Surrogate: 13C-PFDA	*38.4*		ng/L	38.4		100	70-130			
Surrogate: D5-NEtFOSAA	*149*		ng/L	153		97.2	70-130			
LCS (B360801-BS1)				Prepared: 12/26/23 Analyzed: 12/27/23						
Perfluorobutanesulfonic acid (PFBS)	1.44	1.9	ng/L	1.69		85.5	50-150			
Perfluorohexanoic acid (PFHxA)	1.65	1.9	ng/L	1.90		86.6	50-150			
Perfluorohexanesulfonic acid (PFHxS)	1.52	1.9	ng/L	1.74		87.5	50-150			
Perfluoroheptanoic acid (PFHpA)	1.75	1.9	ng/L	1.90		91.9	50-150			
Perfluorooctanoic acid (PFOA)	1.66	1.9	ng/L	1.90		87.3	50-150			
Perfluorooctanesulfonic acid (PFOS)	1.60	1.9	ng/L	1.77		90.4	50-150			
Perfluorononanoic acid (PFNA)	1.58	1.9	ng/L	1.90		83.1	50-150			
Perfluorodecanoic acid (PFDA)	1.68	1.9	ng/L	1.90		88.0	50-150			
N-EtFOSAA (NEtFOSAA)	1.64	1.9	ng/L	1.90		85.9	50-150			
Perfluoroundecanoic acid (PFUnA)	1.54	1.9	ng/L	1.90		81.0	50-150			
N-MeFOSAA (NMeFOSAA)	1.59	1.9	ng/L	1.90		83.3	50-150			
Perfluorododecanoic acid (PFDoA)	1.82	1.9	ng/L	1.90		95.6	50-150			
Perfluorotridecanoic acid (PFTrDA)	1.53	1.9	ng/L	1.90		80.1	50-150			
Perfluorotetradecanoic acid (PFTA)	1.66	1.9	ng/L	1.90		87.0	50-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.57	1.9	ng/L	1.90		82.3	50-150			
11Cl-PF3OUdS (F53B Major)	1.44	1.9	ng/L	1.80		80.1	50-150			
9Cl-PF3ONS (F53B Minor)	1.56	1.9	ng/L	1.78		87.9	50-150			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.45	1.9	ng/L	1.80		80.5	50-150			
Surrogate: 13C-PFHxA	*34.4*		ng/L	38.1		90.3	70-130			
Surrogate: M3HFPO-DA	*33.7*		ng/L	38.1		88.5	70-130			
Surrogate: 13C-PFDA	*36.0*		ng/L	38.1		94.5	70-130			
Surrogate: D5-NEtFOSAA	*140*		ng/L	152		91.8	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B360801 - EPA 537.1										
LCS Dup (B360801-BSD1)				Prepared: 12/26/23 Analyzed: 12/27/23						
Perfluorobutanesulfonic acid (PFBS)	1.62	1.9	ng/L	1.65		98.2	50-150	11.7	50	
Perfluorohexanoic acid (PFHxA)	1.86	1.9	ng/L	1.86		100	50-150	12.2	50	
Perfluorohexanesulfonic acid (PFHxS)	1.62	1.9	ng/L	1.70		95.0	50-150	6.03	50	
Perfluoroheptanoic acid (PFHpA)	1.70	1.9	ng/L	1.86		91.3	50-150	2.80	50	
Perfluorooctanoic acid (PFOA)	1.78	1.9	ng/L	1.86		95.7	50-150	7.00	50	
Perfluorooctanesulfonic acid (PFOS)	1.87	1.9	ng/L	1.73		108	50-150	15.8	50	
Perfluorononanoic acid (PFNA)	1.72	1.9	ng/L	1.86		92.3	50-150	8.32	50	
Perfluorodecanoic acid (PFDA)	1.76	1.9	ng/L	1.86		94.5	50-150	4.88	50	
N-EtFOSAA (NEtFOSAA)	1.69	1.9	ng/L	1.86		90.7	50-150	3.23	50	
Perfluoroundecanoic acid (PFUnA)	1.58	1.9	ng/L	1.86		84.6	50-150	2.15	50	
N-MeFOSAA (NMeFOSAA)	1.72	1.9	ng/L	1.86		92.2	50-150	7.91	50	
Perfluorododecanoic acid (PFDoA)	1.90	1.9	ng/L	1.86		102	50-150	4.51	50	
Perfluorotridecanoic acid (PFTrDA)	1.62	1.9	ng/L	1.86		87.0	50-150	6.04	50	
Perfluorotetradecanoic acid (PFTA)	1.58	1.9	ng/L	1.86		84.8	50-150	4.75	50	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.66	1.9	ng/L	1.86		89.3	50-150	5.92	50	
11Cl-PF3OUdS (F53B Major)	1.54	1.9	ng/L	1.76		87.7	50-150	6.92	50	
9Cl-PF3ONS (F53B Minor)	1.67	1.9	ng/L	1.74		96.3	50-150	7.02	50	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.57	1.9	ng/L	1.76		89.1	50-150	8.06	50	
Surrogate: 13C-PFHxA	*36.7*		ng/L	37.3		98.5	70-130			
Surrogate: M3HFPO-DA	*36.9*		ng/L	37.3		99.1	70-130			
Surrogate: 13C-PFDA	*36.1*		ng/L	37.3		96.9	70-130			
Surrogate: D5-NEtFOSAA	*143*		ng/L	149		95.7	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-32	Opening calibration verification was within control criteria. Closing calibration verification was outside of criteria and biased on the high side. Re-analysis yielded similar non-conformance, matrix interference confirmed.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 537.1 in Drinking Water	
Perfluorobutanesulfonic acid (PFBS)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorohexanoic acid (PFHxA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorohexanesulfonic acid (PFHxS)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluoroheptanoic acid (PFHpA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorooctanoic acid (PFOA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorooctanesulfonic acid (PFOS)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorononanoic acid (PFNA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorodecanoic acid (PFDA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
N-EtFOSAA (NEtFOSAA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluoroundecanoic acid (PFUnA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
N-MeFOSAA (NMeFOSAA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorododecanoic acid (PFDoA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorotridecanoic acid (PFTrDA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorotetradecanoic acid (PFTA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
11Cl-PF3OUdS (F53B Major)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
9Cl-PF3ONS (F53B Minor)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2024
ME	State of Maine	MA00100	06/9/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2024
MI	Dept. of Env, Great Lakes, and Energy	9100	06/30/2024
OH	Ohio Environmental Protection Agency	87781	04/1/2024

23L2032

Pace Analytical®

Phone: 413-525-2332

https://www.pacelabs.com/

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Atlas Technical
Address:	51 Knight Lane, Williston VT 05495
Phone:	607-437-8293
Project Name:	Shaftsbury PFAS Drinking Water
Project Location:	Shaftsbury VT
Project Number:	280EM01121
Project Manager:	Johanna Palmer
Pace Analytical Quote Name/Number:	Atlas PFAS 00128367
Invoice Recipient:	Johanna.Palmer@oneatlas.com
Sampled By:	

Requested Turnaround Time

7-Day ☐ 10-Day ☐
PFAS 10-Day (std) ☑ Due Date:

Rush-Approval Required

1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery

Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: johanna.palmer@oneatlas.com
Fax To #:

Dissolved Metals Samples

○ Field Filtered
○ Lab to Filter

Orthophosphate Samples

○ Field Filtered
○ Lab to Filter

PCB ONLY

SOXHLET ☐
NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	DW	537.1 PFAS in DW
	1 RES-3	12/12/23	1045	G	DW	U			2				X
	2 RES-3FB		1047						1				X
	3 RES-7		1120						2				X
	4 RES-7FB		1122						1				X
	5 RES-11		1150						2				X
	6 RES-11FB		1152						1				X
	7 RES-18		1155						2				X
	8 RES-18FB		1157						1				X
	9 RES-10		1125						2				X
	10 RES-10FB		1127						1				X

Relinquished by: (signature)	Date/Time: 12/13/23 1245	Client Comments: Lab to dispose of samples; please send sample receipt confirmation to johanna.palmer@oneatlas.com
Received by: (signature)	Date/Time: 12/13/23 1245	EXTRACT AND HOLD all field blanks ("FB")
Relinquished by: (signature)	Date/Time: 12/13/23 1815	
Received by: (signature)	Date/Time: 12/13/23 1855	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements

MA
CT
Other:

Special Requirements

☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity

Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other

☐ Chromatogram
☐ AIHA-LAP,LLC

Lab Comments:

[2] Preservation Code

Courier Use Only
Total Number Of:

VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Pace Analytical is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Disclaimer: Pace Analytical is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Pace Analytical values your partnership on each project and will try to assist with missing information, but will not be held accountable.

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Phone: 413-525-2332

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Atlas Technical
Address:	51 Knight Lane, Williston VT 05495
Phone:	607-437-8293
Project Name:	Shaftsbury PFAS Drinking Water
Project Location:	Shaftsbury VT
Project Number:	280EM01121
Project Manager:	Johanna Palmer
Pace Analytical Quote Name/Number:	Atlas PFAS 00128367
Invoice Recipient:	Johanna.Palmer@oneatlas.com
Sampled By:	

Requested Turnaround Time
7-Day ☐ 10-Day ☐
PFAS 10-Day (std) ☑ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: johanna.palmer@oneatlas.com
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○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☐
NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	DW	537.1 PFAS in DW
11	RES-9	12/12/23	1402	G	DW	1			2				X
12	RES-9FB		1405						1				X
13	RES-13		1205						2				X
14	RES-13FB		1207						1				X
15	RES-15		1257						2				X
16	RES-15FB		1259						1				X
17	RES-6		1230						2				X
18	RES-10FB		1240						1				X
19	RES-14		1520						2				X
20	RES-14FB		1522						1				X

Relinquished by: (signature)	Date/Time: 12/13/23 1215	Client Comments: Lab to dispose of samples; please send sample receipt confirmation to johanna.palmer@oneatlas.com
Received by: (signature)	Date/Time: 12/13/23/1215	EXTRACT AND HOLD all field blanks ("FB")
Relinquished by: (signature)	Date/Time: 12/13/23/1815	
Received by: (signature) 36	Date/Time: 12/13/23 1815	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab Comments:

Disclaimer: Pace Analytical is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Pace Analytical values your partnership on each project and will try to assist with missing information, but will not be held accountable.

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N

*Pace Analytical is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
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SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client Atlas Tech

Project Shaftsbury PFAS

MCP/RCP Required N/A

Deliverable Package Requirement N/A

Location Shaftsbury, VT

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time MEM 12/13/23 1655

Back-Sheet By / Date / Time LA 12/14/23 1009

Temperature Method Gun #5

Temp √ < 6° C Actual Temperature 3.6

Rush Samples: Yes (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☐	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client	☑	Analysis	☑	Sampler Name	☐
Project	☑	IDs	☑	Collection Date/Time	☑

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Sample			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
16oz Amb/Clear	(Circle Amb/Clear)	Soils Jars																				
8oz Amb/Clear																						
4oz Amb/Clear																						
2oz Amb/Clear																						
Unpreserved	1 Liter	Ambers																				
HCL																						
Sulfuric																						
Sulfuric	250mL																					
Phosphoric																						
HCl																						
Unpreserved	100mL																					
Unpreserved	1 Liter	Plastics																				
Sulfuric																						
Unpreserved	500mL																					
Sulfuric																						
Unpreserved	250mL																					
Trizma			2	2	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1
Sulfuric																						
Nitric																						
NaOH																						
Ammonium Acetate																						
NaOH/Zinc																						
Unpreserved		VOA Vials																				
HCl																						
MeOH																						
D.I. Water																						
BiSulfate																						
Col/Bact		Other / Fill in																				

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December 28, 2023

Jo Palmer
Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495

Project Location: Shaftsbury, VT
Client Job Number:
Project Number: 280EM01121
Laboratory Work Order Number: 23L2038

Enclosed are results of analyses for samples as received by the laboratory on December 13, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rebecca Faust
Project Manager

Table of Contents

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495
ATTN: Jo Palmer

REPORT DATE: 12/28/2023

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280EM01121

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23L2038

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Shaftsbury, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RES-4	23L2038-01	Drinking Water		EPA 537.1	
RES-4 FB	23L2038-02	Field Blank		EPA 537.1	
RES-16	23L2038-03	Drinking Water		EPA 537.1	
RES-16 FB	23L2038-04	Field Blank		EPA 537.1	
RES-2	23L2038-05	Drinking Water		EPA 537.1	
RES-2 FB	23L2038-06	Field Blank		EPA 537.1	
RES-8	23L2038-07	Drinking Water		EPA 537.1	
RES-8 FB	23L2038-08	Field Blank		EPA 537.1	
RES-17	23L2038-09	Drinking Water		EPA 537.1	
RES-17 FB	23L2038-10	Field Blank		EPA 537.1	
RES-5	23L2038-11	Drinking Water		EPA 537.1	
RES-5 FB	23L2038-12	Field Blank		EPA 537.1	
DUP	23L2038-13	Drinking Water		EPA 537.1	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

con-test® A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2038

Date Received: 12/13/2023

Field Sample #: RES-4 | Sampled: 12/12/2023 13:10

Sample ID: 23L2038-01

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	2.2	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN
Perfluorohexanoic acid (PFHxA)	5.5	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN
Perfluorohexanesulfonic acid (PFHxS)	5.2	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN
Perfluoroheptanoic acid (PFHpA)	3.2	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN
Perfluorooctanoic acid (PFOA)	25	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN
N-EtFOSAA (NEtFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN
N-MeFOSAA (NMeFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN
Perfluorotridecanoic acid (PFTrDA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN
Perfluorotetradecanoic acid (PFTA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:01	RJN

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	96.8	70-130		12/26/23 13:01
M3HFPO-DA	97.4	70-130		12/26/23 13:01
13C-PFDA	97.0	70-130		12/26/23 13:01
D5-NEtFOSAA	89.6	70-130		12/26/23 13:01

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2038

Date Received: 12/13/2023

Field Sample #: RES-4 FB | Sampled: 12/12/2023 13:12

Sample ID: 23L2038-02

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN
N-EtFOSAA (NEtFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN
N-MeFOSAA (NMeFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN
Perfluorotridecanoic acid (PFTrDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN
Perfluorotetradecanoic acid (PFTA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:08	RJN

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	95.0	70-130		12/26/23 13:08
M3HFPO-DA	92.9	70-130		12/26/23 13:08
13C-PFDA	95.0	70-130		12/26/23 13:08
D5-NEtFOSAA	90.4	70-130		12/26/23 13:08

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2038

Date Received: 12/13/2023

Field Sample #: RES-16 | Sampled: 12/12/2023 13:32

Sample ID: 23L2038-03

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN
Perfluorooctanoic acid (PFOA)	2.2	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN
N-EtFOSAA (NEtFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN
N-MeFOSAA (NMeFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN
Perfluorotridecanoic acid (PFTrDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN
Perfluorotetradecanoic acid (PFTA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:15	RJN

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	97.3	70-130		12/26/23 13:15
M3HFPO-DA	98.5	70-130		12/26/23 13:15
13C-PFDA	98.2	70-130		12/26/23 13:15
D5-NEtFOSAA	97.2	70-130		12/26/23 13:15

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2038

Date Received: 12/13/2023

Field Sample #: RES-16 FB | Sampled: 12/12/2023 13:24

Sample ID: 23L2038-04

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN
N-EtFOSAA (NEtFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN
N-MeFOSAA (NMeFOSAA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN
Perfluorotridecanoic acid (PFTrDA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN
Perfluorotetradecanoic acid (PFTA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:22	RJN

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	97.1	70-130		12/26/23 13:22
M3HFPO-DA	94.7	70-130		12/26/23 13:22
13C-PFDA	93.9	70-130		12/26/23 13:22
D5-NEtFOSAA	90.7	70-130		12/26/23 13:22

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2038

Date Received: 12/13/2023

Field Sample #: RES-2 | Sampled: 12/12/2023 13:38

Sample ID: 23L2038-05

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN
Perfluorooctanoic acid (PFOA)	6.5	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN
N-EtFOSAA (NEtFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN
N-MeFOSAA (NMeFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN
Perfluorotridecanoic acid (PFTrDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN
Perfluorotetradecanoic acid (PFTA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:29	RJN

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	96.5	70-130		12/26/23 13:29
M3HFPO-DA	97.6	70-130		12/26/23 13:29
13C-PFDA	95.4	70-130		12/26/23 13:29
D5-NEtFOSAA	84.4	70-130		12/26/23 13:29

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2038

Date Received: 12/13/2023

Field Sample #: RES-2 FB | Sampled: 12/12/2023 13:40

Sample ID: 23L2038-06

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN
N-EtFOSAA (NEtFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN
N-MeFOSAA (NMeFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN
Perfluorotridecanoic acid (PFTrDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN
Perfluorotetradecanoic acid (PFTA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:44	RJN

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	97.4	70-130		12/26/23 13:44
M3HFPO-DA	94.4	70-130		12/26/23 13:44
13C-PFDA	97.1	70-130		12/26/23 13:44
D5-NEtFOSAA	93.5	70-130		12/26/23 13:44

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2038

Date Received: 12/13/2023

Field Sample #: RES-8 | Sampled: 12/12/2023 12:10

Sample ID: 23L2038-07

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN
Perfluorohexanoic acid (PFHxA)	3.5	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN
Perfluorooctanoic acid (PFOA)	5.1	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN
N-EtFOSAA (NEtFOSAA)	ND	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN
N-MeFOSAA (NMeFOSAA)	ND	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN
Perfluorotridecanoic acid (PFTrDA)	ND	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN
Perfluorotetradecanoic acid (PFTA)	ND	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN
11Cl-PF3OUdS (F53B Major)	ND	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN
9Cl-PF3ONS (F53B Minor)	ND	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:51	RJN

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	99.8	70-130		12/26/23 13:51
M3HFPO-DA	97.0	70-130		12/26/23 13:51
13C-PFDA	99.4	70-130		12/26/23 13:51
D5-NEtFOSAA	96.9	70-130		12/26/23 13:51

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2038

Date Received: 12/13/2023

Field Sample #: RES-8 FB | Sampled: 12/12/2023 12:12

Sample ID: 23L2038-08

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN
N-EtFOSAA (NEtFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN
N-MeFOSAA (NMeFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN
Perfluorotridecanoic acid (PFTrDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN
Perfluorotetradecanoic acid (PFTA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 13:58	RJN

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	94.2	70-130		12/26/23 13:58
M3HFPO-DA	89.0	70-130		12/26/23 13:58
13C-PFDA	94.3	70-130		12/26/23 13:58
D5-NEtFOSAA	91.0	70-130		12/26/23 13:58

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2038

Date Received: 12/13/2023

Field Sample #: RES-17 | Sampled: 12/12/2023 14:05

Sample ID: 23L2038-09

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN
Perfluorooctanoic acid (PFOA)	26	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN
N-EtFOSAA (NEtFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN
N-MeFOSAA (NMeFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN
Perfluorotridecanoic acid (PFTrDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN
Perfluorotetradecanoic acid (PFTA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:05	RJN

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	98.9	70-130		12/26/23 14:05
M3HFPO-DA	97.8	70-130		12/26/23 14:05
13C-PFDA	98.9	70-130		12/26/23 14:05
D5-NEtFOSAA	98.2	70-130		12/26/23 14:05

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2038

Date Received: 12/13/2023

Field Sample #: RES-17 FB | Sampled: 12/12/2023 14:07

Sample ID: 23L2038-10

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN
N-EtFOSAA (NEtFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN
N-MeFOSAA (NMeFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN
Perfluorotridecanoic acid (PFTrDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN
Perfluorotetradecanoic acid (PFTA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:12	RJN

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	99.3	70-130		12/26/23 14:12
M3HFPO-DA	97.2	70-130		12/26/23 14:12
13C-PFDA	95.9	70-130		12/26/23 14:12
D5-NEtFOSAA	94.9	70-130		12/26/23 14:12

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2038

Date Received: 12/13/2023

Field Sample #: RES-5 | Sampled: 12/12/2023 14:35

Sample ID: 23L2038-11

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	2.2	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN
Perfluoroheptanoic acid (PFHpA)	1.8	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN
Perfluorooctanoic acid (PFOA)	17	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN
N-EtFOSAA (NEtFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN
N-MeFOSAA (NMeFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN
Perfluorotridecanoic acid (PFTrDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN
Perfluorotetradecanoic acid (PFTA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:27	RJN

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	98.1	70-130		12/26/23 14:27
M3HFPO-DA	96.8	70-130		12/26/23 14:27
13C-PFDA	95.6	70-130		12/26/23 14:27
D5-NEtFOSAA	93.5	70-130		12/26/23 14:27

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2038

Date Received: 12/13/2023

Field Sample #: RES-5 FB | Sampled: 12/12/2023 14:37

Sample ID: 23L2038-12

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN
N-EtFOSAA (NEtFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN
N-MeFOSAA (NMeFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN
Perfluorotridecanoic acid (PFTrDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN
Perfluorotetradecanoic acid (PFTA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:34	RJN

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	91.4	70-130		12/26/23 14:34
M3HFPO-DA	89.4	70-130		12/26/23 14:34
13C-PFDA	94.0	70-130		12/26/23 14:34
D5-NEtFOSAA	94.7	70-130		12/26/23 14:34

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Project Location: Shaftsbury, VT | Sample Description: | Work Order: 23L2038

Date Received: 12/13/2023

Field Sample #: DUP | Sampled: 12/12/2023 08:00

Sample ID: 23L2038-13

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN
Perfluorohexanoic acid (PFHxA)	17	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN
Perfluoroheptanoic acid (PFHpA)	2.5	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN
Perfluorooctanoic acid (PFOA)	11	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN
N-EtFOSAA (NEtFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN
N-MeFOSAA (NMeFOSAA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN
Perfluorotridecanoic acid (PFTrDA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN
Perfluorotetradecanoic acid (PFTA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 537.1	12/22/23	12/26/23 14:41	RJN

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	94.5	70-130		12/26/23 14:41
M3HFPO-DA	93.8	70-130		12/26/23 14:41
13C-PFDA	94.1	70-130		12/26/23 14:41
D5-NEtFOSAA	90.5	70-130		12/26/23 14:41

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Sample Extraction Data

Prep Method:EPA 537.1 **Analytical Method:EPA 537.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23L2038-01 [RES-4]	B361059	267	1.00	12/22/23
23L2038-02 [RES-4 FB]	B361059	276	1.00	12/22/23
23L2038-03 [RES-16]	B361059	285	1.00	12/22/23
23L2038-04 [RES-16 FB]	B361059	270	1.00	12/22/23
23L2038-05 [RES-2]	B361059	275	1.00	12/22/23
23L2038-06 [RES-2 FB]	B361059	283	1.00	12/22/23
23L2038-07 [RES-8]	B361059	252	1.00	12/22/23
23L2038-08 [RES-8 FB]	B361059	272	1.00	12/22/23
23L2038-09 [RES-17]	B361059	271	1.00	12/22/23
23L2038-10 [RES-17 FB]	B361059	279	1.00	12/22/23
23L2038-11 [RES-5]	B361059	272	1.00	12/22/23
23L2038-12 [RES-5 FB]	B361059	272	1.00	12/22/23
23L2038-13 [DUP]	B361059	270	1.00	12/22/23

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B361059 - EPA 537.1										
Blank (B361059-BLK1)				Prepared: 12/22/23 Analyzed: 12/26/23						
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.9	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.9	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.9	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.9	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.9	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	1.9	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.9	ng/L							
N-MeFOSAA (NMeFOSAA)	ND	1.9	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.9	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	1.9	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.9	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.9	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	ng/L							
Surrogate: 13C-PFHxA	*36.1*		ng/L	38.7		93.2	70-130			
Surrogate: M3HFPO-DA	*36.6*		ng/L	38.7		94.7	70-130			
Surrogate: 13C-PFDA	*35.8*		ng/L	38.7		92.5	70-130			
Surrogate: D5-NEtFOSAA	*147*		ng/L	155		95.0	70-130			
LCS (B361059-BS1)				Prepared: 12/22/23 Analyzed: 12/26/23						
Perfluorobutanesulfonic acid (PFBS)	1.61	2.0	ng/L	1.76		91.4	50-150			
Perfluorohexanoic acid (PFHxA)	1.85	2.0	ng/L	1.98		93.7	50-150			
Perfluorohexanesulfonic acid (PFHxS)	1.75	2.0	ng/L	1.81		96.5	50-150			
Perfluoroheptanoic acid (PFHpA)	2.13	2.0	ng/L	1.98		108	50-150			
Perfluorooctanoic acid (PFOA)	1.92	2.0	ng/L	1.98		96.9	50-150			
Perfluorooctanesulfonic acid (PFOS)	1.70	2.0	ng/L	1.84		92.5	50-150			
Perfluorononanoic acid (PFNA)	1.88	2.0	ng/L	1.98		95.0	50-150			
Perfluorodecanoic acid (PFDA)	1.91	2.0	ng/L	1.98		96.3	50-150			
N-EtFOSAA (NEtFOSAA)	1.72	2.0	ng/L	1.98		86.8	50-150			
Perfluoroundecanoic acid (PFUnA)	1.66	2.0	ng/L	1.98		83.9	50-150			
N-MeFOSAA (NMeFOSAA)	1.69	2.0	ng/L	1.98		85.2	50-150			
Perfluorododecanoic acid (PFDoA)	1.66	2.0	ng/L	1.98		84.0	50-150			
Perfluorotridecanoic acid (PFTrDA)	1.82	2.0	ng/L	1.98		91.8	50-150			
Perfluorotetradecanoic acid (PFTA)	1.91	2.0	ng/L	1.98		96.6	50-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	2.24	2.0	ng/L	1.98		113	50-150			
11Cl-PF3OUdS (F53B Major)	1.47	2.0	ng/L	1.87		79.0	50-150			
9Cl-PF3ONS (F53B Minor)	1.73	2.0	ng/L	1.85		93.8	50-150			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.72	2.0	ng/L	1.87		91.9	50-150			
Surrogate: 13C-PFHxA	*40.2*		ng/L	39.6		102	70-130			
Surrogate: M3HFPO-DA	*39.3*		ng/L	39.6		99.3	70-130			
Surrogate: 13C-PFDA	*40.6*		ng/L	39.6		103	70-130			
Surrogate: D5-NEtFOSAA	*162*		ng/L	158		102	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B361059 - EPA 537.1										
LCS Dup (B361059-BSD1)				Prepared: 12/22/23 Analyzed: 12/26/23						
Perfluorobutanesulfonic acid (PFBS)	1.58	1.9	ng/L	1.69		93.9	50-150	1.27	50	
Perfluorohexanoic acid (PFHxA)	1.87	1.9	ng/L	1.90		98.2	50-150	0.722	50	
Perfluorohexanesulfonic acid (PFHxS)	1.62	1.9	ng/L	1.74		93.2	50-150	7.35	50	
Perfluoroheptanoic acid (PFHpA)	1.80	1.9	ng/L	1.90		94.8	50-150	16.5	50	
Perfluorooctanoic acid (PFOA)	1.73	1.9	ng/L	1.90		90.8	50-150	10.5	50	
Perfluorooctanesulfonic acid (PFOS)	1.66	1.9	ng/L	1.77		94.0	50-150	2.31	50	
Perfluorononanoic acid (PFNA)	1.64	1.9	ng/L	1.90		86.4	50-150	13.4	50	
Perfluorodecanoic acid (PFDA)	1.74	1.9	ng/L	1.90		91.3	50-150	9.23	50	
N-EtFOSAA (NEtFOSAA)	1.53	1.9	ng/L	1.90		80.6	50-150	11.3	50	
Perfluoroundecanoic acid (PFUnA)	1.31	1.9	ng/L	1.90		69.1	50-150	23.2	50	
N-MeFOSAA (NMeFOSAA)	1.65	1.9	ng/L	1.90		86.8	50-150	2.01	50	
Perfluorododecanoic acid (PFDoA)	1.46	1.9	ng/L	1.90		76.6	50-150	13.2	50	
Perfluorotridecanoic acid (PFTrDA)	1.26	1.9	ng/L	1.90		66.3	50-150	36.1	50	
Perfluorotetradecanoic acid (PFTA)	1.20	1.9	ng/L	1.90		62.9	50-150	46.1	50	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.89	1.9	ng/L	1.90		99.4	50-150	16.9	50	
11Cl-PF3OUdS (F53B Major)	1.19	1.9	ng/L	1.79		66.5	50-150	21.1	50	
9Cl-PF3ONS (F53B Minor)	1.54	1.9	ng/L	1.78		86.5	50-150	12.0	50	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.67	1.9	ng/L	1.80		93.1	50-150	2.67	50	
Surrogate: 13C-PFHxA	*33.4*		ng/L	38.1		87.7	70-130			
Surrogate: M3HFPO-DA	*33.4*		ng/L	38.1		87.7	70-130			
Surrogate: 13C-PFDA	*31.8*		ng/L	38.1		83.5	70-130			
Surrogate: D5-NEtFOSAA	*120*		ng/L	152		78.6	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 537.1 in Drinking Water	
Perfluorobutanesulfonic acid (PFBS)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorohexanoic acid (PFHxA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorohexanesulfonic acid (PFHxS)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluoroheptanoic acid (PFHpA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorooctanoic acid (PFOA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorooctanesulfonic acid (PFOS)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorononanoic acid (PFNA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorodecanoic acid (PFDA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
N-EtFOSAA (NEtFOSAA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluoroundecanoic acid (PFUnA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
N-MeFOSAA (NMeFOSAA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorododecanoic acid (PFDoA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorotridecanoic acid (PFTrDA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Perfluorotetradecanoic acid (PFTA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
11Cl-PF3OUdS (F53B Major)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
9Cl-PF3ONS (F53B Minor)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2024
ME	State of Maine	MA00100	06/9/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2024
MI	Dept. of Env, Great Lakes, and Energy	9100	06/30/2024
OH	Ohio Environmental Protection Agency	87781	04/1/2024

L3L2038

Pace Analytical®

Phone: 413-525-2332

RMA

https://www.pacelabs.com/

Doc # 381 Rev 4_01/08/2020

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Atlas Technical
Address:	51 Knight Lane, Williston VT 05495
Phone:	607-437-8293
Project Name:	Shaftsbury PFAS Drinking Water
Project Location:	Shaftsbury VT
Project Number:	280EM01121
Project Manager:	Johanna Palmer
Pace Analytical Quote Name/Number:	Atlas PFAS 00128367
Invoice Recipient:	Johanna.Palmer@oneatlas.com
Sampled By:	

Requested Turnaround Time
7-Day ☐ 10-Day ☐
PFAS 10-Day (std) ☑ Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: johanna.palmer@oneatlas.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☐
NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Analytical Work Order#		Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	DW	537.1 PFAS in DW									
	1	RES-4	12/12/23	1310	G	DW	U			2				X									
	2	RES-4FB		1312						1				X									
	3	RES-16		1322						2				X									
	4	RES-16FB		1324						1				X									
	5	RES-2		1338						2				X									
	6	RES-2FB		1340						1				X									
	7	RES-8		1210						2				X									
	8	RES-8FB		1212						1				X									
	9	RES-17		1405						2				X									
	10	RES-17FB		1407						1				X									

Relinquished by: (signature) Date/Time: 12/13/23 1215
Received by: (signature) Date/Time: 12/13/23 1215
Relinquished by: (signature) Date/Time: 12/13/23 1815
Received by: (signature) Date/Time: 12/13/23 KS
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:

Client Comments: Lab to dispose of samples; please send sample receipt confirmation to johanna.palmer@oneatlas.com

EXTRACT AND HOLD all field blanks ("FB")

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

NELAC and AIHA-LAP, LLC Accredited

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Project Entity

Government	☐	Municipality	☐	MWRA	☐	WRTA	☐
Federal	☐	21 J	☐	School	☐		
City	☐	Brownfield	☐	MBTA	☐		

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:

Disclaimer: Pace Analytical is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Pace Analytical values your partnership on each project and will try to assist with missing information, but will not be held accountable.

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N

*Pace Analytical is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

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Phone: 413-525-2332

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Doc # 381 Rev 4_01/08/2020

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Atlas Technical
Address:	51 Knight Lane, Williston VT 05495
Phone:	607-437-8293
Project Name:	Shaftsbury PFAS Drinking Water
Project Location:	Shaftsbury VT
Project Number:	280EM01121
Project Manager:	Johanna Palmer
Pace Analytical Quote Name/Number:	Atlas PFAS 00128367
Invoice Recipient:	Johanna.Palmer@oneatlas.com
Sampled By:	

Requested Turnaround Time
7-Day ☐ 10-Day ☐
PFAS 10-Day (std) ☑ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: johanna.palmer@oneatlas.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☐
NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	537.1 PFAS in DW
11	RES-5	12/12/23	1435	G	DW	U			2			X
12	RES-5FB	↓	1437	↓	↓	↓			1			X
13	DUP	↓	0800	↓	↓	↓			2			X

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Pace Analytical is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 12/13/23 1215
Received by: (signature)	Date/Time: 12/13/23 1215
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 12/13 1855
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments: Lab to dispose of samples; please send sample receipt confirmation to johanna.palmer@oneatlas.com

EXTRACT AND HOLD all field blanks ("FB")

Detection Limit Requirements
MA
CT
Other

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:

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Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client ATLS

Project Shaftsbury PFAS

MCP/RCP Required N/A

Deliverable Package Requirement N/A

Location Shaftsbury, VT

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time MEM 12/3 1815

Back-Sheet By / Date / Time LA 12/13/2024

Temperature Method Gun #5

Temp ✓ < 6° C Actual Temperature 3.6

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☐	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client	☑	Analysis	☑	Sampler Name	☐
Project	☐	IDs	☑	Collection Date/Time	☑

All Samples Proper pH: N/A ☐ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

Sample			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
16oz Amb/Clear	(Circle Amb/Clear)	Soils Jars																				
8oz Amb/Clear																						
4oz Amb/Clear																						
2oz Amb/Clear																						
Unpreserved	1 Liter	Ambers																				
HCL																						
Sulfuric																						
Sulfuric	250mL																					
Phosphoric																						
HCl																						
Unpreserved	100mL																					
Unpreserved	1 Liter	Plastics																				
Sulfuric																						
Unpreserved	500mL																					
Sulfuric																						
Unpreserved	250mL																					
Trizma			2	1	2	1	2	1	2	1	2	1	2	1	2							
Sulfuric																						
Nitric																						
NaOH																						
Ammonium Acetate																						
NaOH/Zinc																						
Unpreserved		VOA Vials																				
HCl																						
MeOH																						
D.I. Water																						
BiSulfate																						
Col/Bact		Other / Fill in																				

APPENDIX C

EDR DATA PACKAGE

- Aerial Photographs
- Topographic Maps
- EDR Radius Report

Shaftsbury PFAS

76 Lucas Lane

Bennington, VT 05201

Inquiry Number: 7570395.8

February 16, 2024

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

02/16/24

Site Name:

Shaftsbury PFAS
76 Lucas Lane
Bennington, VT 05201
EDR Inquiry # 7570395.8

Client Name:

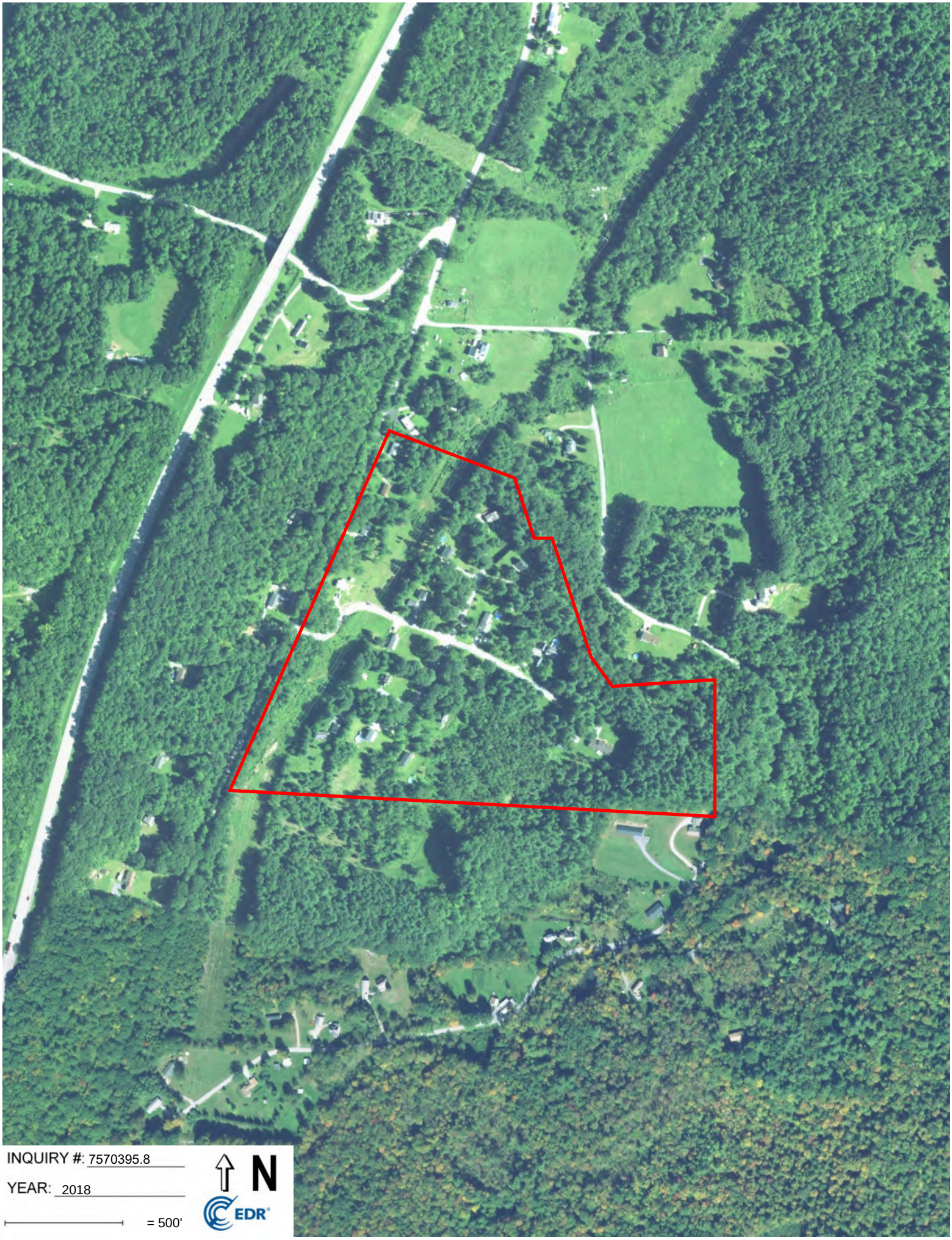
Atlas
PO Box 1486
WILLISTON, VT 05495
Contact: Johanna Palmer

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2018	1"=500'	Flight Year: 2018	USDA/NAIP
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
1992	1"=500'	Acquisition Date: May 12, 1992	USGS/DOQQ
1986	1"=500'	Flight Date: October 31, 1986	USDA
1978	1"=500'	Flight Date: October 30, 1978	USGS
1965	1"=500'	Flight Date: May 02, 1965	USGS
1960	1"=500'	Flight Date: June 26, 1960	USGS
1951	1"=500'	Flight Date: May 13, 1951	USGS
1942	1"=500'	Flight Date: September 01, 1942	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.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YEAR: 2018
= 500'
N
EDR


INQUIRY #: 7570395.8
YEAR: 2014
= 500'
N
EDR


INQUIRY #: 7570395.8
YEAR: 2011
= 500'
N
EDR


INQUIRY #: 7570395.8
YEAR: 2008
= 500'
N
EDR

INQUIRY #: 7570395.8

YEAR: 1992

= 500'

N

EDR


INQUIRY #: 7570395.8
YEAR: 1986
= 500'
N
EDR


INQUIRY #: 7570395.8
YEAR: 1978
= 500'
N
EDR
Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 7570395.8

YEAR: 1965

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.


INQUIRY #: 7570395.8
YEAR: 1960
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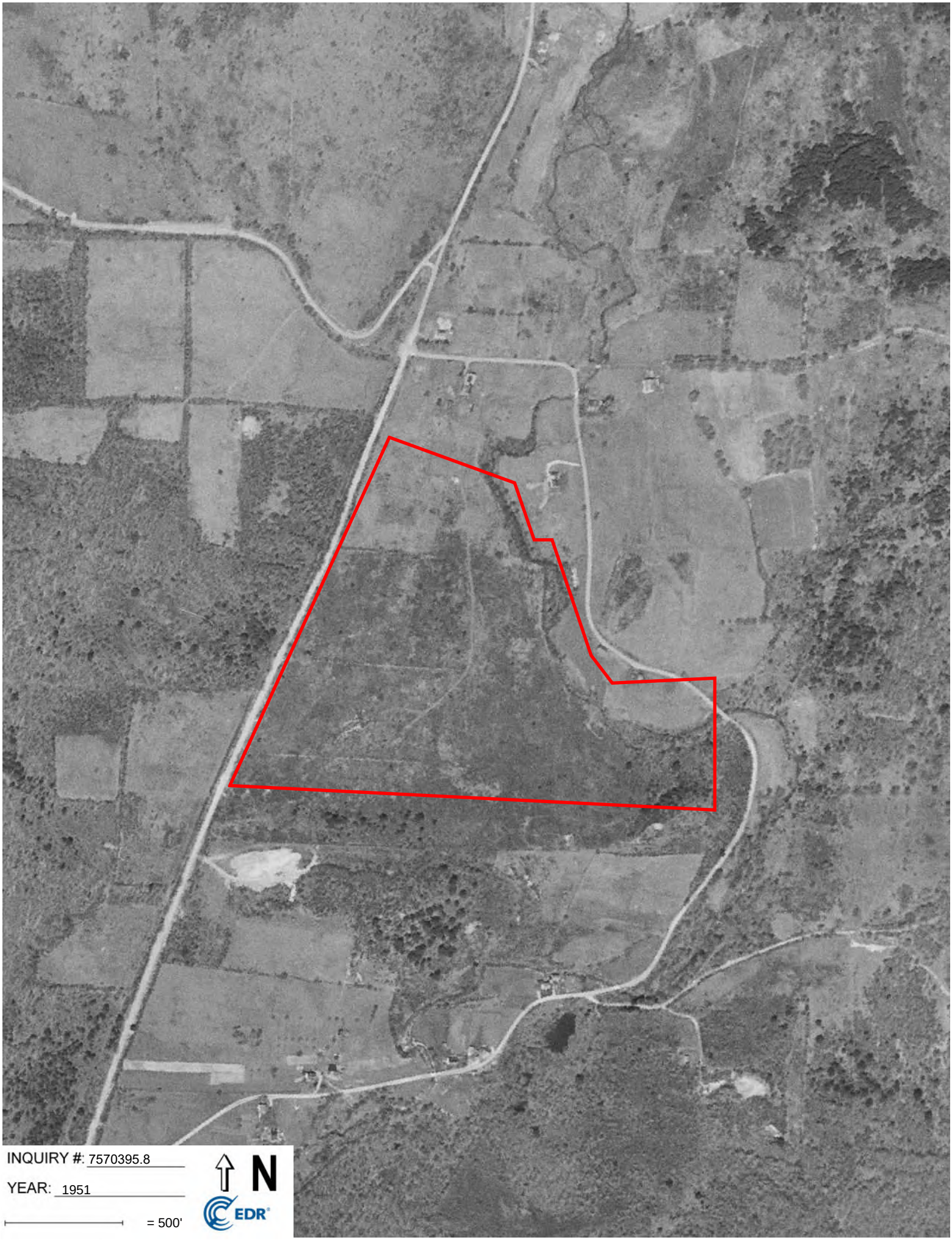
N
EDR


INQUIRY #: 7570395.8
YEAR: 1951
= 500'
N
EDR

INQUIRY #: 7570395.8

YEAR: 1942

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

Shaftsbury PFAS

76 Lucas Lane

Bennington, VT 05201

Inquiry Number: 7570395.4

February 15, 2024

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

02/15/24

Site Name:	Client Name:
Shaftsbury PFAS	Atlas
76 Lucas Lane	PO Box 1486
Bennington, VT 05201	WILLISTON, VT 05495
EDR Inquiry # 7570395.4	Contact: Johanna Palmer

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Atlas were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	280EM01121	**Latitude:**	42.94223 42° 56' 32" North
Project:	Shaftsbury PFAS	**Longitude:**	-73.176389 -73° 10' 35" West
		UTM Zone:	Zone 18 North
		UTM X Meters:	648780.55
		UTM Y Meters:	4756012.87
		Elevation:	1178.83' above sea level

Maps Provided:

2021
2018
2015
2012
1997
1954
1900
1898

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2021 Source Sheets

Bennington
2021
7.5-minute, 24000

2018 Source Sheets

Bennington
2018
7.5-minute, 24000

2015 Source Sheets

Bennington
2015
7.5-minute, 24000

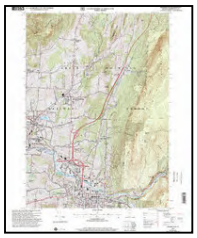
2012 Source Sheets

Bennington
2012
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1997 Source Sheets



Bennington
1997
7.5-minute, 24000
Aerial Photo Revised 1992

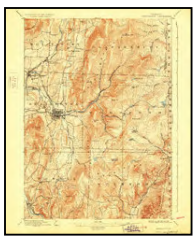
1954 Source Sheets

Bennington
1954
7.5-minute, 24000
Aerial Photo Revised 1951

1900 Source Sheets

Taconic
1900
30-minute, 125000

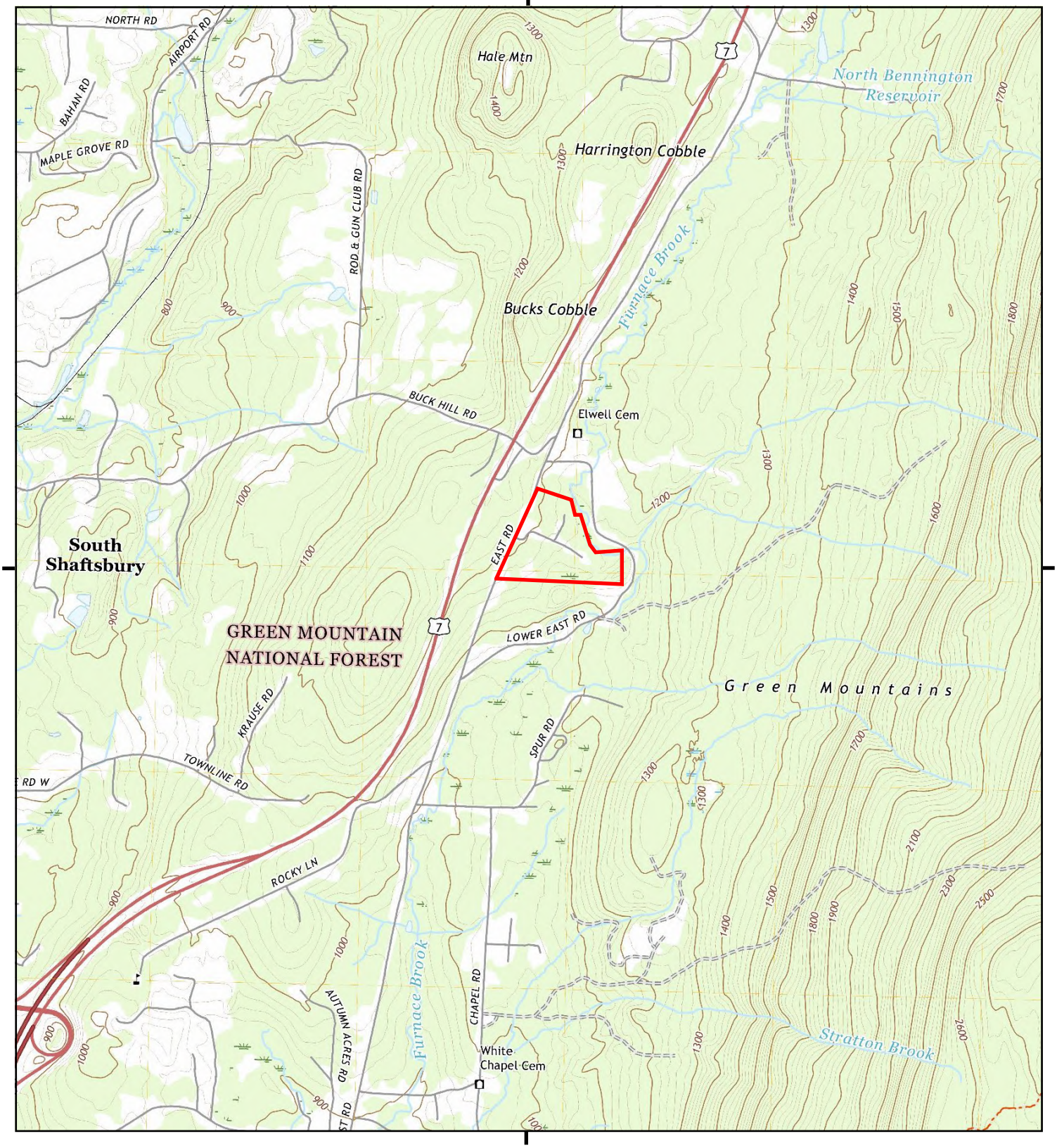
1898 Source Sheets



Bennington
1898
15-minute, 62500

Historical Topo Map

2021



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

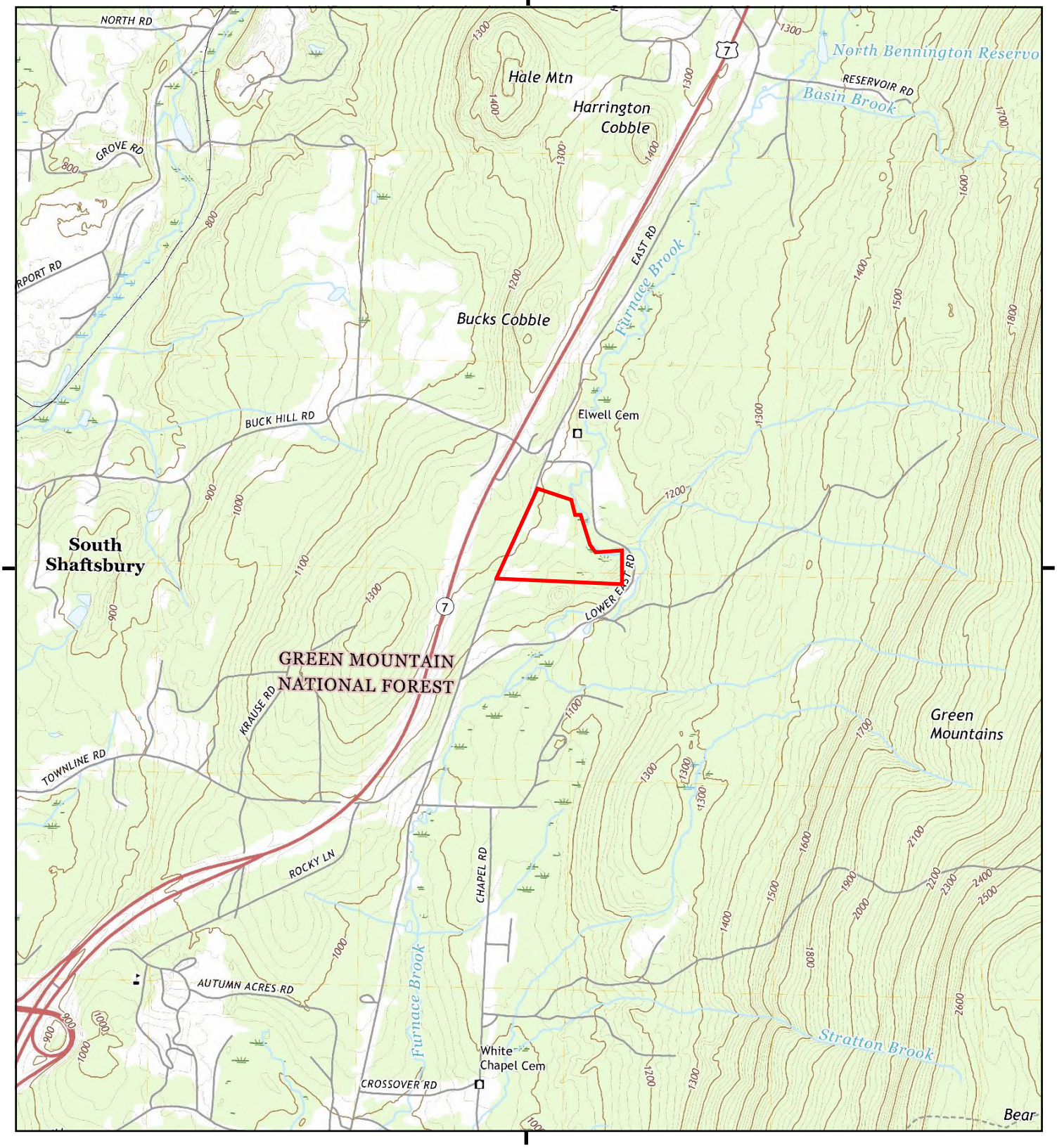
TP, Bennington, 2021, 7.5-minute

SITE NAME: Shaftsbury PFAS
ADDRESS: 76 Lucas Lane
Bennington, VT 05201
CLIENT: Atlas

N

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

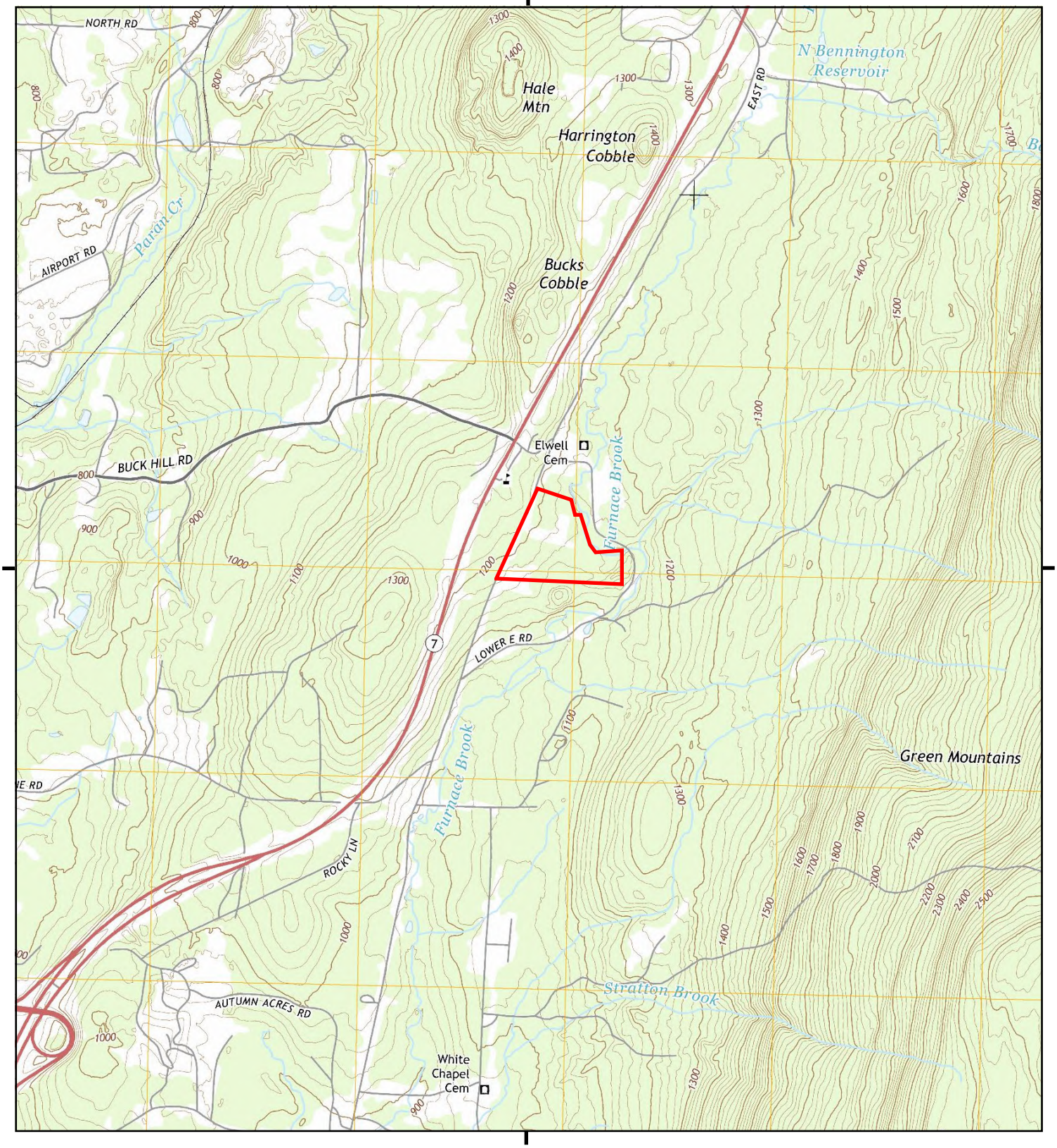
TP, Bennington, 2018, 7.5-minute

SITE NAME: Shaftsbury PFAS
ADDRESS: 76 Lucas Lane
Bennington, VT 05201
CLIENT: Atlas

N

Historical Topo Map

2015



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

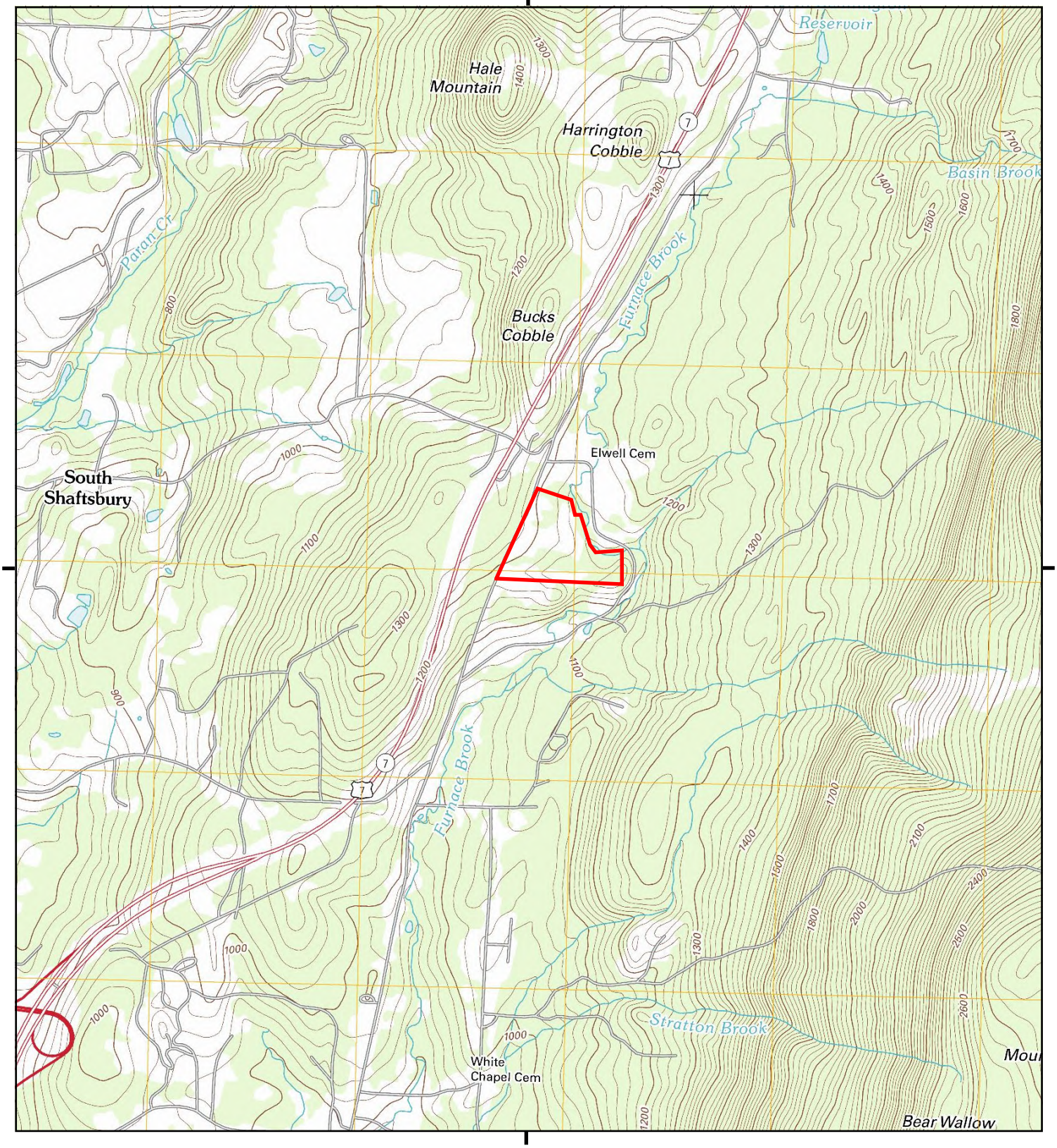
TP, Bennington, 2015, 7.5-minute

SITE NAME: Shaftsbury PFAS
ADDRESS: 76 Lucas Lane
Bennington, VT 05201
CLIENT: Atlas

N

Historical Topo Map

2012



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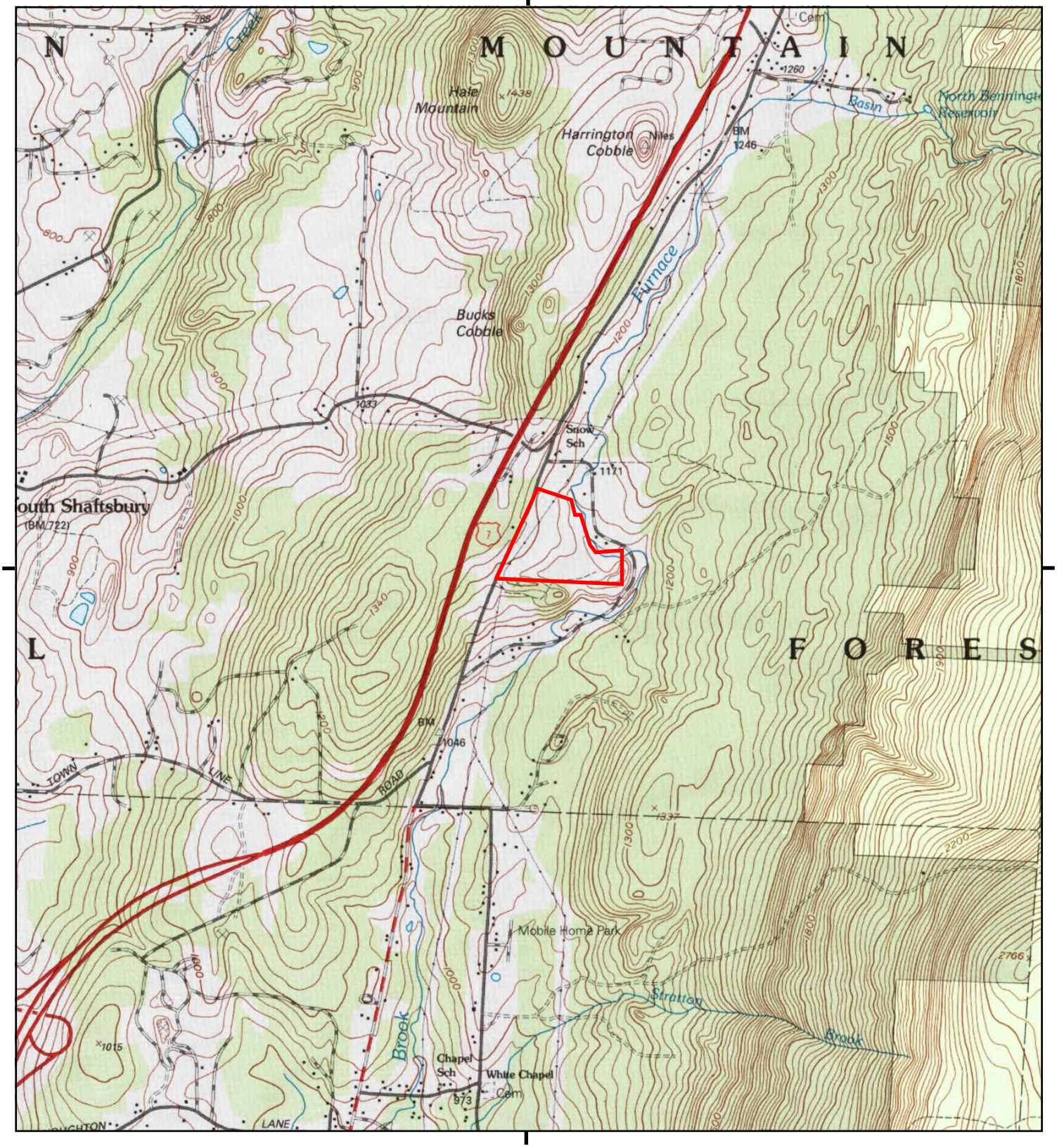
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Bennington, 2012, 7.5-minute

SITE NAME: Shaftsbury PFAS
ADDRESS: 76 Lucas Lane
Bennington, VT 05201
CLIENT: Atlas

N



This report includes information from the following map sheet(s).

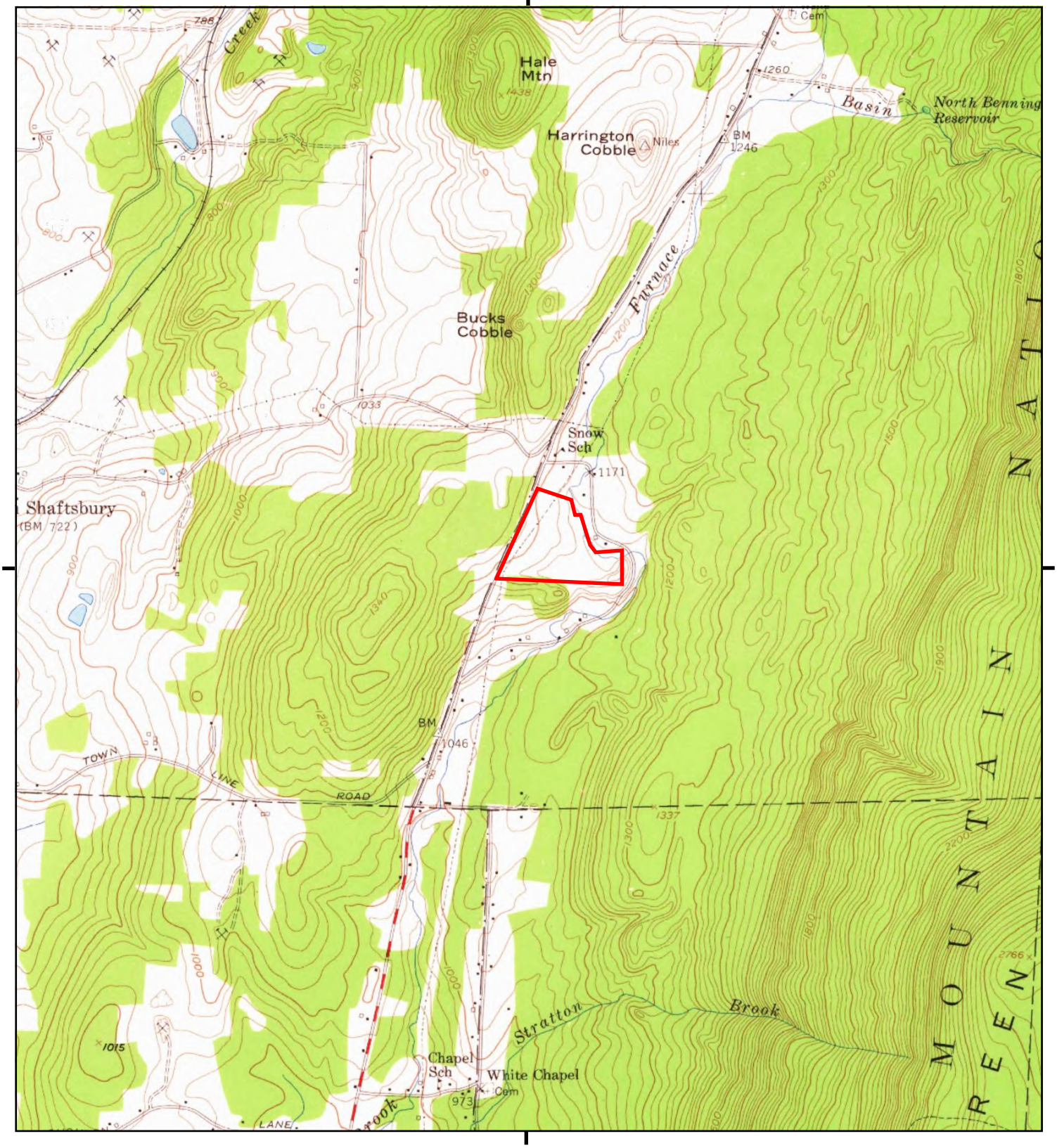
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Bennington, 1997, 7.5-minute

SITE NAME: Shaftsbury PFAS
ADDRESS: 76 Lucas Lane
Bennington, VT 05201
CLIENT: Atlas

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

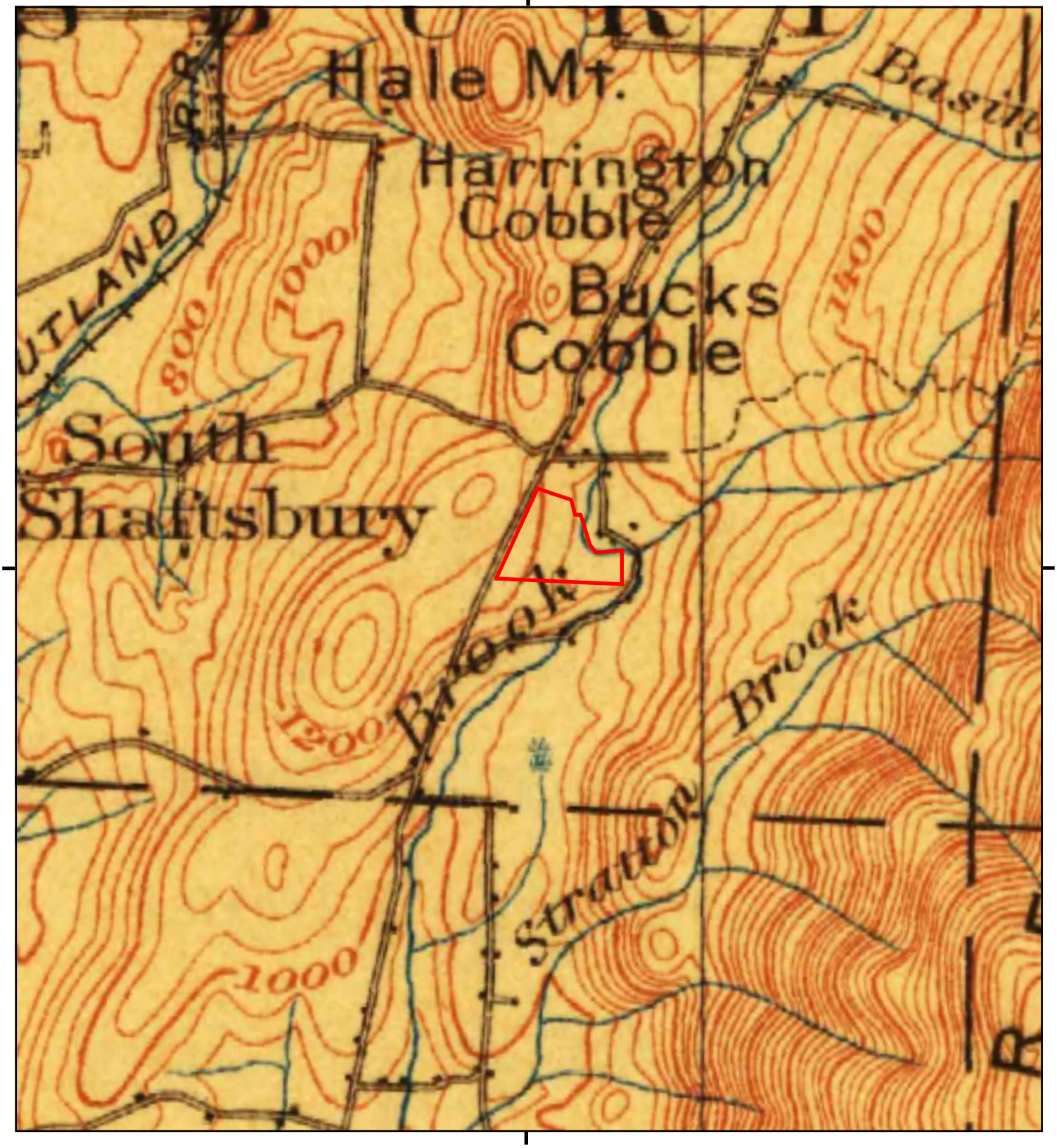
TP, Bennington, 1954, 7.5-minute

SITE NAME: Shaftsbury PFAS
ADDRESS: 76 Lucas Lane
Bennington, VT 05201
CLIENT: Atlas

N

Historical Topo Map

1900



This report includes information from the following map sheet(s).

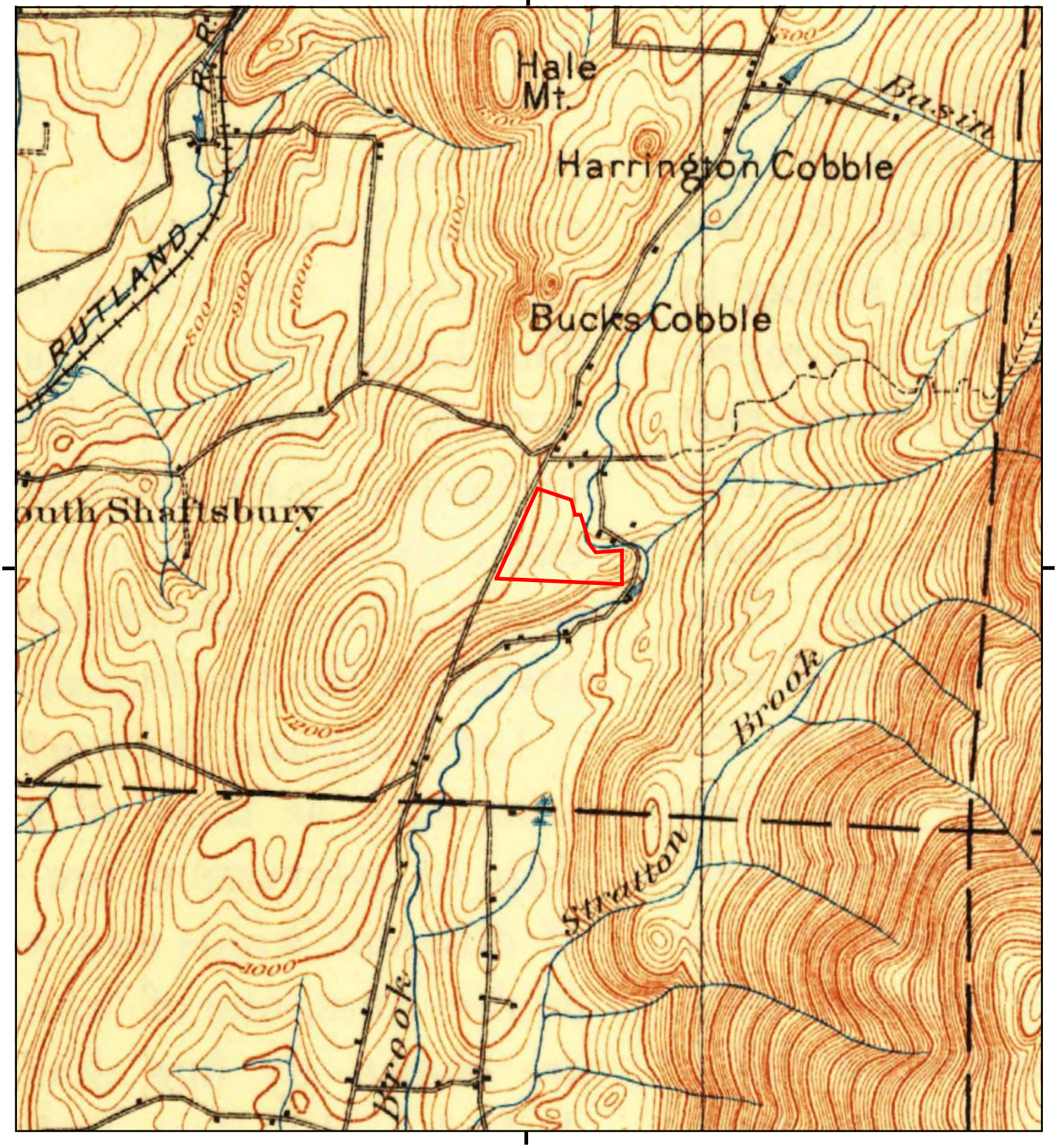
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Taconic, 1900, 30-minute

SITE NAME: Shaftsbury PFAS
ADDRESS: 76 Lucas Lane
Bennington, VT 05201
CLIENT: Atlas

N



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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Bennington, 1898, 15-minute

SITE NAME: Shaftsbury PFAS
ADDRESS: 76 Lucas Lane
Bennington, VT 05201
CLIENT: Atlas

N

Shaftsbury PFAS
76 Lucas Lane
Bennington, VT 05201

Inquiry Number: 7570395.2s
February 15, 2024

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

76 LUCAS LANE
BENNINGTON, VT 05201

COORDINATES

Latitude (North):	42.9422300 - 42° 56' 32.02''
Longitude (West):	73.1763890 - 73° 10' 35.00''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	648784.8
UTM Y (Meters):	4755798.0
Elevation:	1179 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	24165950 BENNINGTON, VT
Version Date:	2021

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20180823, 20181005, 20181026
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
76 LUCAS LANE
BENNINGTON, VT 05201

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROLS ..... Institutional Controls Sites List

Federal ERNS list

ERNS ..... Emergency Response Notification System

Lists of state- and tribal hazardous waste facilities

SHWS ..... Sites Database

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ..... Landfills and Transfer Stations

Lists of state and tribal leaking storage tanks

LAST ..... Sites Database
LUST ..... Sites Database
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ..... Underground Storage Tank Listing
UST ..... State of Vermont Underground Storage Tank Database
AST ..... Above Ground Storage Tanks
INDIAN UST ..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

ENG CONTROLS ..... Engineering Controls Site Listing
INST CONTROL ..... Institutional Control Sites Listing

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS ..... Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands
ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ..... Delisted National Clandestine Laboratory Register

US CDL	National Clandestine Laboratory Register

Local Land Records

LIENS 2	CERCLA Lien Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Sites Database
SPILLS 90	SPILLS 90 data from FirstSearch
SPILLS 80	SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
MINES MRDS	Mineral Resources Data System
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
ECHO	Enforcement & Compliance History Information
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information

EXECUTIVE SUMMARY

PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TRIS	List of PFAS Added to the TRI
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
BIOSOLIDS	ICIS-NPDES Biosolids Facility Data
PFAS	Sites With Known PFAS Contamination
AQUEOUS FOAM	Hazardous Substance Fire Foam Listing
AIRS	Permitted AIRS Facility Listing
ASBESTOS	ASBESTOS
DRYCLEANERS	Drycleaner Facilities List
Financial Assurance	Financial Assurance Information Listing
HW GEN	Hazardous Waste Generators
MANIFEST	Hazardous Waste Manifest Data
NPDES	Inventory of NPDES Permits
TIER 2	Tier 2 Data Listing
VAPOR	Vapor Intrusion
UIC	Underground Injection Wells Listing
UST FINDER	UST Finder Database
UST FINDER RELEASE	UST Finder Releases Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF	Recovered Government Archive Solid Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

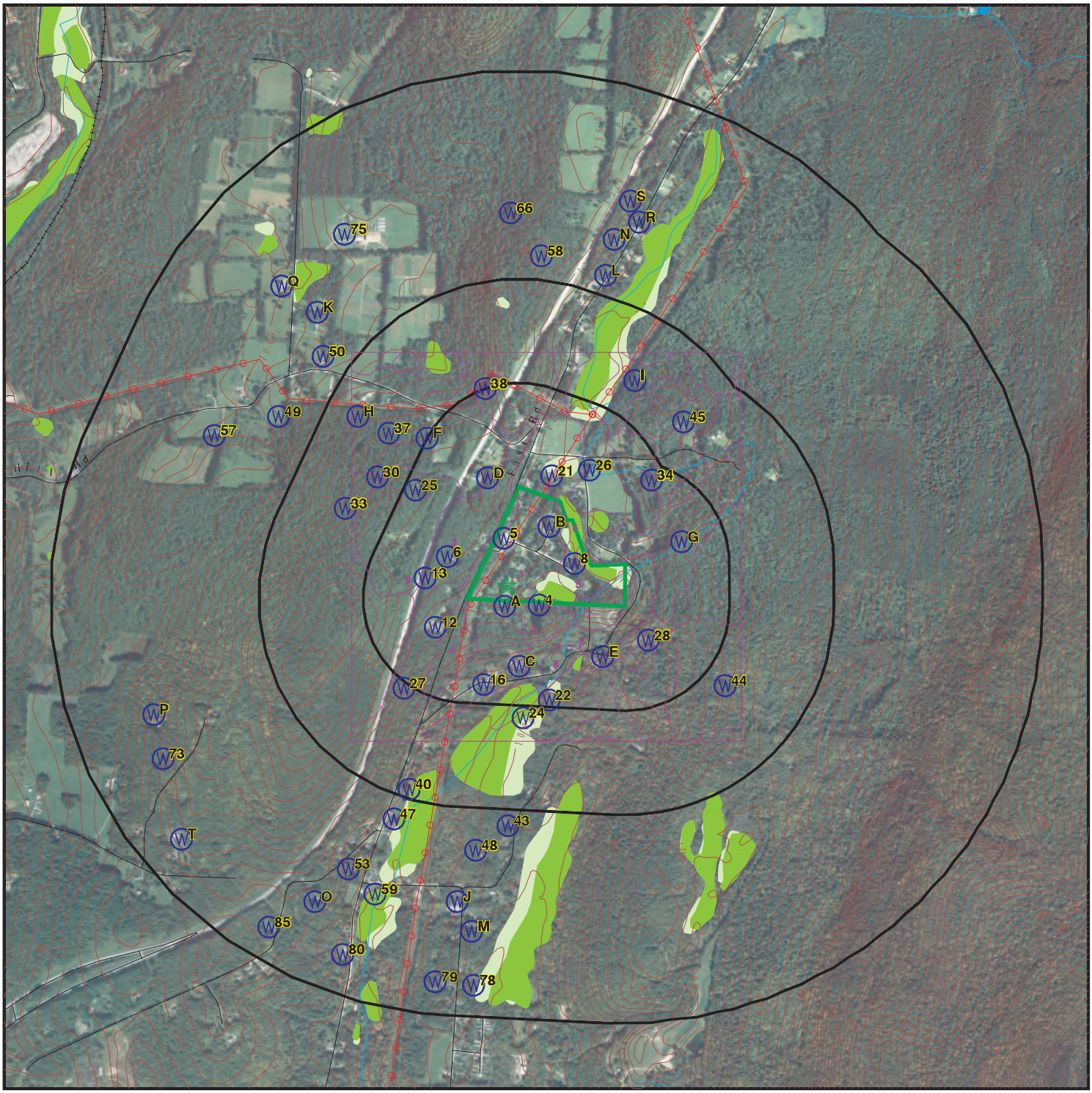
Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

Site Name	Database(s)
ROUTE 279 EAST	SEMS, PRP
SHAFTSBURY ELEMENTARY SCHOOL	FTTS, HIST FTTS
SHAFTSBURY ELEMENTARY SCHOOL	UST
SHAFTSBURY ELEMENTARY SCHOOL	FINDS

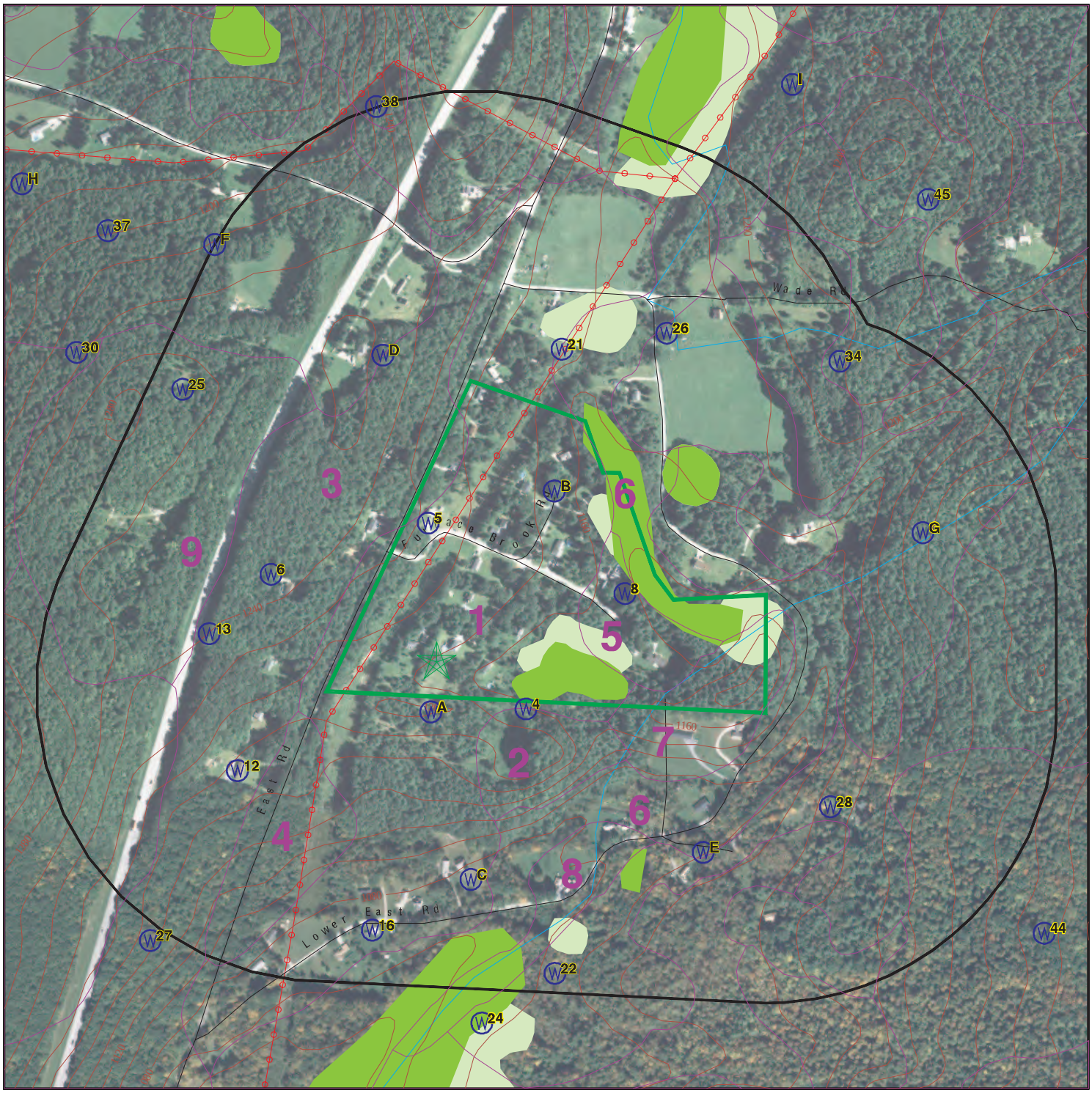
OVERVIEW MAP - 7570395.2S



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Shaftsbury PFAS	CLIENT:	Atlas
ADDRESS:	76 Lucas Lane Bennington VT 05201	CONTACT:	Johanna Palmer
		INQUIRY #:	7570395.2s
LAT/LONG:	42.94223 / 73.176389	DATE:	February 15, 2024 3:45 pm

DETAIL MAP - 7570395.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Power transmission lines

National Wetland Inventory

State Wetlands

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Shaftsbury PFAS	CLIENT:	Atlas
ADDRESS:	76 Lucas Lane Bennington VT 05201	CONTACT:	Johanna Palmer
		INQUIRY #:	7570395.2s
LAT/LONG:	42.94223 / 73.176389	DATE:	February 15, 2024 3:46 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
LAST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
SPILLS 80	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ASBESTOS	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HW GEN	0.250		0	0	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
VAPOR	0.500		0	0	0	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number

NO SITES FOUND

Count: 4 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BENNINGTON	1026463659	ROUTE 279 EAST	0 FURNACE BROOK ROAD	05201	SEMS, PRP
SHAFTSBURY	1016297229	SHAFTSBURY ELEMENTARY SCHOOL	EAST STREET	05262	FINDS
SHAFTSBURY	1004611831	SHAFTSBURY ELEMENTARY SCHOOL	EAST STREET	05262	FTTS, HIST FTTS
SHAFTSBURY	1000973675	SHAFTSBURY ELEMENTARY SCHOOL	EAST STREET	05262	UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/26/2023
Date Data Arrived at EDR: 01/02/2024
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 02/01/2024
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/26/2023
Date Data Arrived at EDR: 01/02/2024
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 02/01/2024
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/26/2023
Date Data Arrived at EDR: 01/02/2024
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 02/01/2024
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2023
Date Data Arrived at EDR: 12/20/2023
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/20/2023
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/01/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/01/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/03/2023
Date Data Arrived at EDR: 08/07/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 64

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/26/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/26/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/18/2023
Date Data Arrived at EDR: 09/20/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 82

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/13/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: Sites Database

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 09/12/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 09/22/2023
Number of Days to Update: 9

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Landfills and Transfer Stations

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/04/2023
Date Made Active in Reports: 12/08/2023
Number of Days to Update: 4

Source: Department of Environmental Conservation
Telephone: 802-241-3444
Last EDR Contact: 11/30/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

Lists of state and tribal leaking storage tanks

LAST: Sites Database

Leaking aboveground storage tank site locations included in the Sites database.

Date of Government Version: 09/12/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 09/22/2023
Number of Days to Update: 9

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Quarterly

LUST: Sites Database

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. Source Type: Underground Storage Tank.

Date of Government Version: 09/12/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 09/22/2023
Number of Days to Update: 9

Source: Department of Environmental Conservation
Telephone: 802-241-3888
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 11/16/2023
Date Data Arrived at EDR: 11/16/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 89

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

UST: State of Vermont Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/31/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/29/2024
Number of Days to Update: 88

Source: Department of Environmental Conservation
Telephone: 802-241-3888
Last EDR Contact: 01/31/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

AST: Above Ground Storage Tanks
A listing of facilities with aboveground storage tanks.

Date of Government Version: 06/15/2023
Date Data Arrived at EDR: 06/15/2023
Date Made Active in Reports: 09/07/2023
Number of Days to Update: 84

Source: Department of Public Safety
Telephone: 802-244-8721
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Semi-Annually

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/14/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Site Listing
A listing of Active and Closed sites with institutional controls in place

Date of Government Version: 09/12/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 09/22/2023
Number of Days to Update: 9

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Quarterly

INST CONTROL: Institutional Control Sites Listing
Active and Closed Sites with institutional controls in place.

Date of Government Version: 09/12/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 09/22/2023
Number of Days to Update: 9

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/12/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Site LIst
A listing of sites in the Brownfields program.

Date of Government Version: 11/13/2023
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/09/2024
Number of Days to Update: 88

Source: Department of Environmental Conservation
Telephone: 802-241-3888
Last EDR Contact: 02/14/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 08/15/2023
Date Data Arrived at EDR: 08/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/14/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/26/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 11/17/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 11/17/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 11/14/2023
Date Data Arrived at EDR: 12/22/2023
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/01/2024
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/18/2023
Date Data Arrived at EDR: 09/20/2023
Date Made Active in Reports: 11/14/2023
Number of Days to Update: 55

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/13/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

SPILLS: Sites Database

Hazardous materials spills included in the Sites database.

Date of Government Version: 11/13/2023
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/09/2024
Number of Days to Update: 88

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 02/14/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 04/19/2000
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 09/28/2023
Date Data Arrived at EDR: 11/10/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 89

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/13/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/10/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/18/2023
Date Data Arrived at EDR: 09/20/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/13/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/14/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 86

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/13/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/19/2023
Date Data Arrived at EDR: 10/20/2023
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 88

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/26/2023
Date Data Arrived at EDR: 01/02/2024
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 22

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 02/01/2024
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 09/01/2023
Date Data Arrived at EDR: 09/27/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/12/2024
Next Scheduled EDR Contact: 04/19/2024
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/01/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/26/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/20/2023
Date Data Arrived at EDR: 09/01/2023
Date Made Active in Reports: 09/20/2023
Number of Days to Update: 19

Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 04/14/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/27/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 11/27/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 12/19/2023
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/11/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 5

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/02/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/09/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 12/26/2024
Date Data Arrived at EDR: 01/02/2024
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 02/01/2024
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/01/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 88

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 1

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/20/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/20/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/20/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 11/28/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 12

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 11/28/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/03/2023
Date Data Arrived at EDR: 11/08/2023
Date Made Active in Reports: 11/20/2023
Number of Days to Update: 12

Source: EPA
Telephone: (617) 918-1111
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 93
Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/15/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/10/2023
Date Data Arrived at EDR: 11/10/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 89
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/13/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information
EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information
Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information
EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 09/23/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: No Update Planned

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

PFAS: Sites With Known PFAS Contamination

PFAS have been widely used in numerous industrial and residential applications since the 1950a??s. Their stability and unique chemical properties produce waterproof, stain resistant, and nonstick qualities in products. They are found in some firefighting foams and a wide range of consumer products such as carpet treatments, non-stick cookware, water-resistant fabrics, food packaging materials, and personal care products.

Date of Government Version: 09/11/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 11/30/2023
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 802-828-1556
Last EDR Contact: 12/11/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Varies

AQUEOUS FOAM: Hazardous Substance Fire Foam Listing

A list of discovered releases stemming from an AFFF sources.

Date of Government Version: 04/06/2022
Date Data Arrived at EDR: 04/06/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 802-828-1138
Last EDR Contact: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

AIRS: Permitted AIRS Facility Listing

A listing of permitted AIRS facility locations.

Date of Government Version: 11/17/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/14/2024
Number of Days to Update: 89

Source: Department of Environmental Conservation
Telephone: 802-241-3840
Last EDR Contact: 11/16/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ASBESTOS: Asbestos Notification Listing
Asbestos notification sites

Date of Government Version: 03/09/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 82

Source: Department of Health
Telephone: 802-865-7784
Last EDR Contact: 11/29/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facilities List
A listing of drycleaners that use perchloroethylene.

Date of Government Version: 10/31/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/29/2024
Number of Days to Update: 88

Source: Department of Environmental Conservation
Telephone: 802-241-3857
Last EDR Contact: 01/31/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

Financial Assurance: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 05/04/2023
Date Data Arrived at EDR: 05/11/2023
Date Made Active in Reports: 08/07/2023
Number of Days to Update: 88

Source: Department of Environmental Conservation
Telephone: 802-241-3868
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: No Update Planned

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing
Information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/02/2023
Date Data Arrived at EDR: 11/03/2023
Date Made Active in Reports: 01/29/2024
Number of Days to Update: 87

Source: Department of Environmental Conservation
Telephone: 802-522-0261
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

HW GEN: Hazardous Waste Generators
The Vermont Department of Environmental Conservation maintains a database of facilities, which generate hazardous waste or treat, store, and/or dispose of hazardous wastes.

Date of Government Version: 11/13/2023
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/09/2024
Number of Days to Update: 88

Source: Department of Environmental Conservation
Telephone: 802-828-1138
Last EDR Contact: 02/14/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Annually

NPDES: Inventory of NPDES Permits
A listing of NPDES permits.

Date of Government Version: 10/09/2023
Date Data Arrived at EDR: 10/10/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 86

Source: Department of Environmental Conservation
Telephone: 802-241-2369
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Varies

TIER 2: Tier 2 Data Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 20

Source: Department of Public Safety
Telephone: 802-244-8721
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: No Update Planned

VAPOR: Vapor Intrusion

A listing of where the site project manager has determined that an indoor air impact has occurred. This may be due to either vapor intrusion (VI) or direct releases of a hazardous material into a building.

Date of Government Version: 09/05/2017
Date Data Arrived at EDR: 09/08/2017
Date Made Active in Reports: 01/24/2018
Number of Days to Update: 138

Source: Agency of Natural Resources
Telephone: 802-828-1295
Last EDR Contact: 12/19/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Varies

UIC: Underground Injection Wells Listing

A listing of underground injection wells in the state.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/02/2023
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 802-585-4913
Last EDR Contact: 02/05/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79

Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Semi-Annually

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in Vermont.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/08/2014
Number of Days to Update: 191

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in Vermont.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/17/2014
Number of Days to Update: 200

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in Vermont.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/04/2014
Number of Days to Update: 187

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/06/2023
Date Data Arrived at EDR: 11/07/2023
Date Made Active in Reports: 01/31/2024
Number of Days to Update: 85

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/26/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Child Care Providers
Source: Social & Rehabiltation Services
Telephone: 802-241-2158

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: VT Center for Geographic Information
Telephone: 802-882-3001

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SHAFTSBURY PFAS
76 LUCAS LANE
BENNINGTON, VT 05201

TARGET PROPERTY COORDINATES

Latitude (North):	42.94223 - 42° 56' 32.03''
Longitude (West):	73.176389 - 73° 10' 35.00''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	648784.8
UTM Y (Meters):	4755798.0
Elevation:	1179 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	24165950 BENNINGTON, VT
Version Date:	2021

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

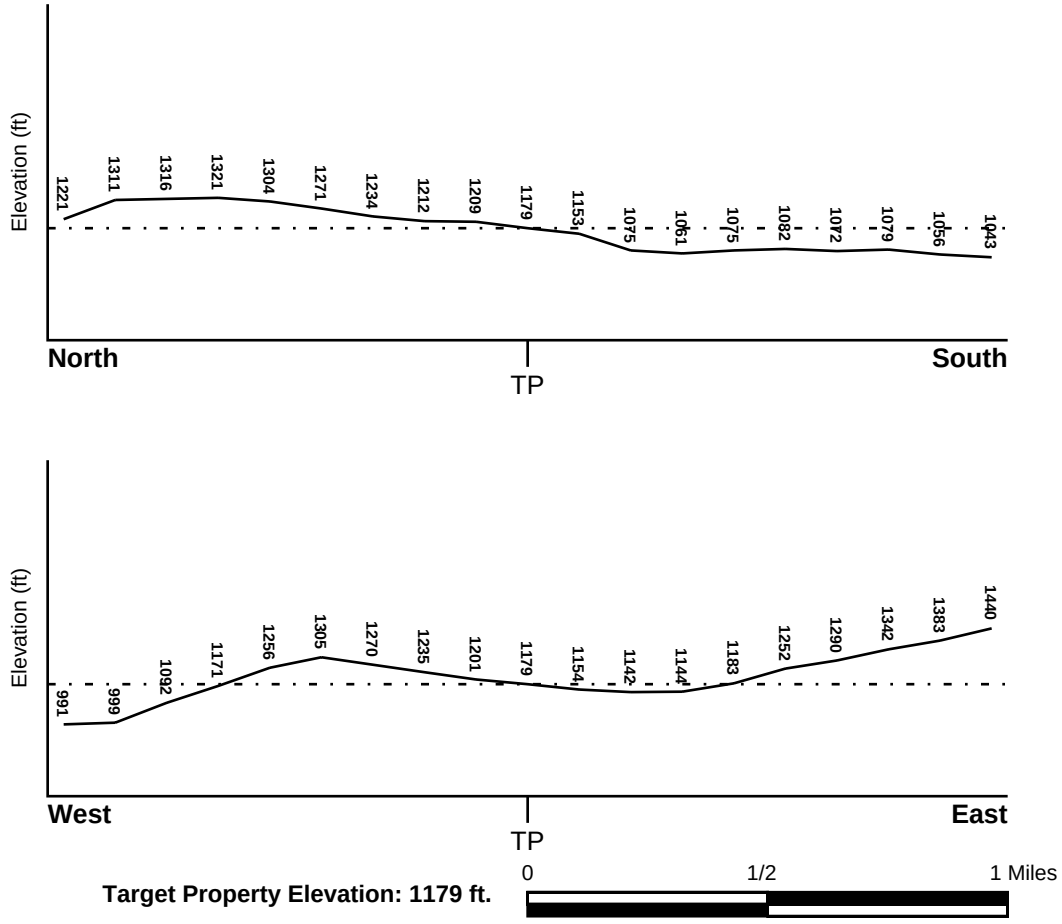
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 1179 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
Not Reported	

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BENNINGTON	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

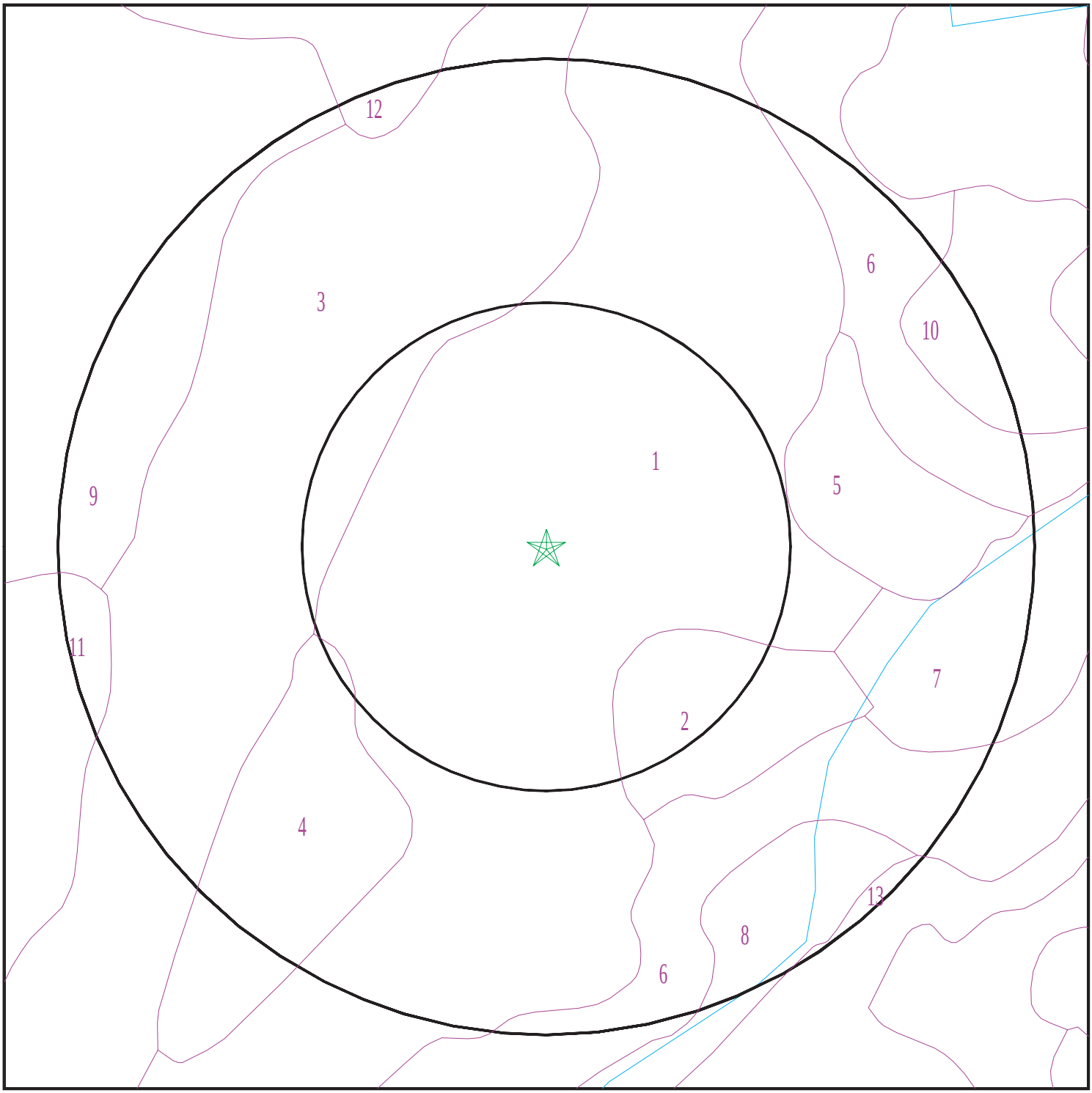
Era:	Paleozoic
System:	Cambrian
Series:	basal Lower Cambrian clastic rocks
Code:	Cq *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7570395.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Shaftsbury PFAS	CLIENT:	Atlas
ADDRESS:	76 Lucas Lane Bennington VT 05201	CONTACT:	Johanna Palmer
LAT/LONG:	42.94223 / 73.176389	INQUIRY #:	7570395.2s
		DATE:	February 15, 2024 3:47 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Copake

Soil Surface Texture: gravelly fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.1111	Max: 8.4 Min: 6.1
2	5 inches	22 inches	gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.1111	Max: 8.4 Min: 6.1
3	22 inches	64 inches	very gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.1111	Max: 8.4 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Copake

Soil Surface Texture: gravelly fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.1111	Max: 8.4 Min: 6.1
2	5 inches	22 inches	gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.1111	Max: 8.4 Min: 6.1
3	22 inches	64 inches	very gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.1111	Max: 8.4 Min: 6.1

Soil Map ID: 3

Soil Component Name: Pittsfield

Soil Surface Texture: moderately decomposed plant material

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	1 inches	moderately decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.3333 Min: 4.2333	Max: 8.4 Min: 5.6
2	1 inches	7 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.3333 Min: 4.2333	Max: 8.4 Min: 5.6
3	7 inches	29 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.3333 Min: 4.2333	Max: 8.4 Min: 5.6
4	29 inches	64 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.3333 Min: 4.2333	Max: 8.4 Min: 5.6

Soil Map ID: 4

Soil Component Name: Pittsfield

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.3333 Min: 4.2333	Max: 8.4 Min: 5.6
2	7 inches	29 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.3333 Min: 4.2333	Max: 8.4 Min: 5.6
3	29 inches	64 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.3333 Min: 4.2333	Max: 8.4 Min: 5.6

Soil Map ID: 5

Soil Component Name: Hero

Soil Surface Texture: gravelly fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141.1111 Min: 42.3333	Max: 8.4 Min: 7.4
2	7 inches	24 inches	gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141.1111 Min: 42.3333	Max: 8.4 Min: 7.4
3	24 inches	64 inches	very gravelly sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141.1111 Min: 42.3333	Max: 8.4 Min: 7.4

Soil Map ID: 6

Soil Component Name: Limerick

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 23 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.1111 Min: 4.2333	Max: 7.3 Min: 5.6
2	5 inches	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.1111 Min: 4.2333	Max: 7.3 Min: 5.6
3	11 inches	64 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.1111 Min: 4.2333	Max: 7.3 Min: 5.6

Soil Map ID: 7

Soil Component Name: Windsor

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 6.5 Min: 4.5
2	3 inches	22 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 6.5 Min: 4.5
3	22 inches	64 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 6.5 Min: 4.5

Soil Map ID: 8

Soil Component Name: Hero

Soil Surface Texture: gravelly fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141.1111 Min: 42.3333	Max: 8.4 Min: 7.4
2	7 inches	24 inches	gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141.1111 Min: 42.3333	Max: 8.4 Min: 7.4
3	24 inches	64 inches	very gravelly sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141.1111 Min: 42.3333	Max: 8.4 Min: 7.4

Soil Map ID: 9

Soil Component Name: Pittsfield

Soil Surface Texture: moderately decomposed plant material

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	1 inches	moderately decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.3333 Min: 4.2333	Max: 8.4 Min: 5.6
2	1 inches	7 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.3333 Min: 4.2333	Max: 8.4 Min: 5.6
3	7 inches	29 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.3333 Min: 4.2333	Max: 8.4 Min: 5.6
4	29 inches	64 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.3333 Min: 4.2333	Max: 8.4 Min: 5.6

Soil Map ID: 10

Soil Component Name: Fredon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.1111 Min: 1.4111	Max: 7.3 Min: 5.6

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	22 inches	64 inches	very gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.1111 Min: 1.4111	Max: 7.3 Min: 5.6
3	9 inches	22 inches	silt loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.1111 Min: 1.4111	Max: 7.3 Min: 5.6

Soil Map ID: 11

Soil Component Name: Lyman

Soil Surface Texture: slightly decomposed plant material

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 48 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	slightly decomposed plant material	A-8	Not reported	Max: 141.1111 Min: 0.0706	Max: Min:

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	3 inches	5 inches	fine sandy loam	A-8	Not reported	Max: 141.1111 Min: 0.0706	Max: Min:
3	5 inches	18 inches	fine sandy loam	A-8	Not reported	Max: 141.1111 Min: 0.0706	Max: Min:
4	18 inches	22 inches	unweathered bedrock	A-8	Not reported	Max: 141.1111 Min: 0.0706	Max: Min:

Soil Map ID: 12

Soil Component Name: Stockbridge

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4.2333 Min: 0.4233	Max: 8.4 Min: 5.6
2	9 inches	24 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4.2333 Min: 0.4233	Max: 8.4 Min: 5.6

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	24 inches	35 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4.2333 Min: 0.4233	Max: 8.4 Min: 5.6
4	35 inches	64 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4.2333 Min: 0.4233	Max: 8.4 Min: 5.6

Soil Map ID: 13

Soil Component Name: Georgia

Soil Surface Texture: moderately decomposed plant material

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	1 inches	moderately decomposed plant material	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4111 Min: 0.4233	Max: 7.3 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	1 inches	9 inches	loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4111 Min: 0.4233	Max: 7.3 Min: 5.1
3	9 inches	29 inches	silt loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4111 Min: 0.4233	Max: 7.3 Min: 5.1
4	29 inches	64 inches	gravelly silt loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4111 Min: 0.4233	Max: 7.3 Min: 5.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

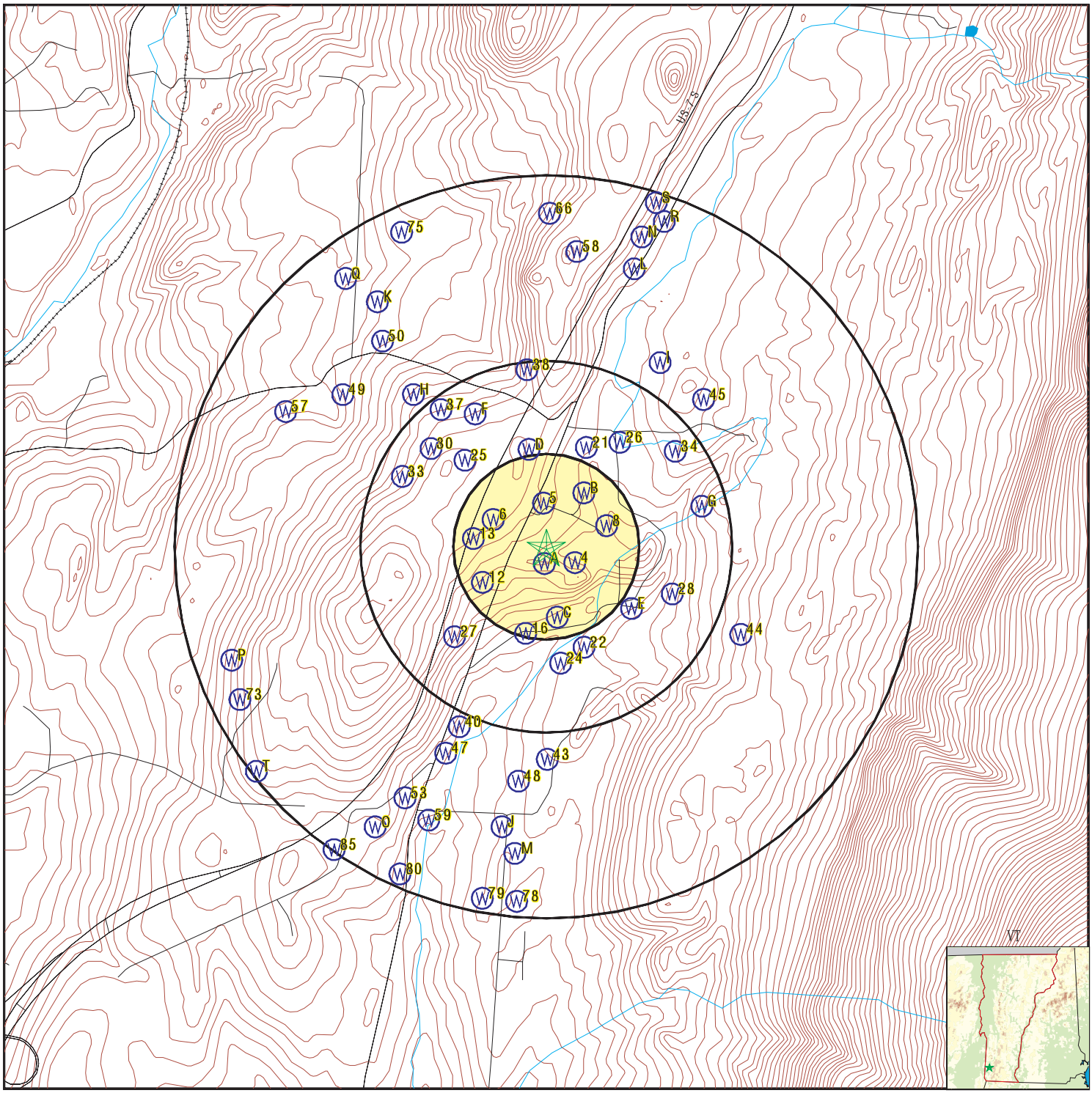
MAP ID	WELL ID	LOCATION FROM TP
A1	VT8000149268201	0 - 1/8 Mile WSW
A2	VT8000149238603	0 - 1/8 Mile SSE
A3	VT8000149238541	0 - 1/8 Mile SSW
4	VT8000149259640	0 - 1/8 Mile ESE
5	VT8000149284124	0 - 1/8 Mile North
6	VT8000149283387	1/8 - 1/4 Mile WNW
B7	VT8000149286305	1/8 - 1/4 Mile NNE
8	VT8000149238455	1/8 - 1/4 Mile ENE
C9	VT8000149304368	1/8 - 1/4 Mile South
C10	VT8000149238525	1/8 - 1/4 Mile South
B11	VT8000149238591	1/8 - 1/4 Mile NE
12	VT8000149284463	1/8 - 1/4 Mile WSW
13	VT8000149238483	1/8 - 1/4 Mile West
C14	VT8000149238437	1/8 - 1/4 Mile South
C15	VT8000149238438	1/8 - 1/4 Mile SSE
16	VT8000149276587	1/8 - 1/4 Mile SSW
D17	VT8000149238354	1/8 - 1/4 Mile North
D18	VT8000149286534	1/4 - 1/2 Mile NNW
E19	VT8000149295637	1/4 - 1/2 Mile ESE
D20	VT8000149238395	1/4 - 1/2 Mile North
21	VT8000149238220	1/4 - 1/2 Mile NNE
22	VT8000149238574	1/4 - 1/2 Mile SSE
E23	VT8000149292158	1/4 - 1/2 Mile SE
24	VT8000149238466	1/4 - 1/2 Mile South
25	VT8000149238595	1/4 - 1/2 Mile NW
26	VT8000149272872	1/4 - 1/2 Mile NE
27	VT8000149238356	1/4 - 1/2 Mile SW
28	VT8000149269417	1/4 - 1/2 Mile ESE
F29	VT8000149238382	1/4 - 1/2 Mile NNW
30	VT8000149259803	1/4 - 1/2 Mile NW
F31	VT8000149238464	1/4 - 1/2 Mile NNW
F32	VT8000149294308	1/4 - 1/2 Mile NNW
33	VT8000149238416	1/4 - 1/2 Mile WNW
34	VT8000149238607	1/4 - 1/2 Mile NE
G35	VT8000149238509	1/4 - 1/2 Mile ENE
G36	VT8000149262568	1/4 - 1/2 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
37	VT8000149238263	1/4 - 1/2 Mile NW
38	VT8000149238386	1/4 - 1/2 Mile North
H39	VT8000149238282	1/2 - 1 Mile NW
40	VT8000149238225	1/2 - 1 Mile SSW
H41	VT8000149301148	1/2 - 1 Mile NW
I42	VT8000149238502	1/2 - 1 Mile NNE
43	VT8000149238473	1/2 - 1 Mile South
44	VT8000149238540	1/2 - 1 Mile ESE
45	VT8000149238507	1/2 - 1 Mile NE
I46	VT8000149238494	1/2 - 1 Mile NNE
47	VT8000149275778	1/2 - 1 Mile SSW
48	VT8000149238573	1/2 - 1 Mile South
49	VT8000149238229	1/2 - 1 Mile NW
50	VT8000149275375	1/2 - 1 Mile NW
J51	VT8000149288162	1/2 - 1 Mile South
K52	VT8000149274135	1/2 - 1 Mile NW
53	VT8000149238576	1/2 - 1 Mile SSW
L54	VT8000149238236	1/2 - 1 Mile NNE
J55	VT8000149287710	1/2 - 1 Mile South
L56	VT8000149298337	1/2 - 1 Mile NNE
57	VT8000149238383	1/2 - 1 Mile WNW
58	VT8000149238419	1/2 - 1 Mile North
59	VT8000149193613	1/2 - 1 Mile SSW
M60	VTPUB3000002875	1/2 - 1 Mile South
K61	VT8000149268603	1/2 - 1 Mile NNW
M62	VT8000149193575	1/2 - 1 Mile South
N63	VT8000149289764	1/2 - 1 Mile NNE
O64	VT8000149193522	1/2 - 1 Mile SSW
N65	VT8000149238363	1/2 - 1 Mile NNE
66	VT8000149283106	1/2 - 1 Mile North
P67	VT8000149288108	1/2 - 1 Mile WSW
Q68	VT8000149238398	1/2 - 1 Mile NW
Q69	VT8000149238420	1/2 - 1 Mile NW
P70	VT8000149238418	1/2 - 1 Mile WSW
O71	VT8000149193593	1/2 - 1 Mile SSW
R72	VT8000149288592	1/2 - 1 Mile NNE
73	VT8000149261300	1/2 - 1 Mile WSW
R74	VT8000149300241	1/2 - 1 Mile NNE
75	VT8000149259942	1/2 - 1 Mile NNW
R76	VT8000149288111	1/2 - 1 Mile NNE
S77	VT8000149284765	1/2 - 1 Mile NNE
78	VT8000149193599	1/2 - 1 Mile South
79	VT8000149293060	1/2 - 1 Mile South
80	VT8000149268285	1/2 - 1 Mile SSW
T81	VT8000149238543	1/2 - 1 Mile SW
T82	VT8000149290570	1/2 - 1 Mile SW
S83	VT8000149258386	1/2 - 1 Mile NNE
T84	VT8000149275327	1/2 - 1 Mile SW
85	VT8000149193536	1/2 - 1 Mile SW

PHYSICAL SETTING SOURCE MAP - 7570395.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location

SITE NAME:	Shaftsbury PFAS	CLIENT:	Atlas
ADDRESS:	76 Lucas Lane Bennington VT 05201	CONTACT:	Johanna Palmer
		INQUIRY #:	7570395.2s
LAT/LONG:	42.94223 / 73.176389	DATE:	February 15, 2024 3:47 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
WSW
0 - 1/8 Mile
Higher

VT WELLS **VT8000149268201**

WELLS - PRIVATE:

Well Report #:	15463	Well #/Tag #:	15463
Owner:	Bullet	Date Completed:	24-APR-01
Date Received:	27-JUN-01	Purchaser:	Freeman Builders
Well Depth (ft):	220	Yield (gpm):	10
Static Water Level (ft):	40	Depth to Bedrock (ft):	25
Casing Length (ft):	120	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	120
Liner Diameter (in):	4	Liner Material:	Plastic (AB, PVC)
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	2-4X6 Jasewells		
Comments:	Installed slotted liner 90-220'		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=84530&option=view		

A2
SSE
0 - 1/8 Mile
Higher

VT WELLS **VT8000149238603**

WELLS - PRIVATE:

Well Report #:	2847	Well #/Tag #:	7858
Owner:	Not Reported	Date Completed:	09-OCT-96
Date Received:	17-OCT-96	Purchaser:	GODAN
Well Depth (ft):	200	Yield (gpm):	25
Static Water Level (ft):	20	Depth to Bedrock (ft):	30
Casing Length (ft):	140	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51750&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A3
SSW
0 - 1/8 Mile
Lower

VT WELLS **VT8000149238541**

WELLS - PRIVATE:

Well Report #:	347	Well #/Tag #:	9/94
Owner:	Not Reported	Date Completed:	02-MAR-94
Date Received:	21-APR-94	Purchaser:	Frasier Construction
Well Depth (ft):	440	Yield (gpm):	6
Static Water Level (ft):	0	Depth to Bedrock (ft):	17
Casing Length (ft):	301	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51680&option=view		

4
ESE
0 - 1/8 Mile
Lower

VT WELLS **VT8000149259640**

WELLS - PRIVATE:

Well Report #:	6344	Well #/Tag #:	819
Owner:	Stratton (Builder)	Date Completed:	12-JUN-98
Date Received:	22-JUN-98	Purchaser:	Not Reported
Well Depth (ft):	365	Yield (gpm):	8
Static Water Level (ft):	16	Depth to Bedrock (ft):	269
Casing Length (ft):	290	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Not Reported
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=74508&option=view		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

5
North
0 - 1/8 Mile
Higher | **VT WELLS** | **VT8000149284124**

WELLS - PRIVATE:

Well Report #:	34898	Well #/Tag #:	34898
Owner:	Harrington	Date Completed:	01-JUN-06
Date Received:	29-AUG-06	Purchaser:	Not Reported
Well Depth (ft):	320	Yield (gpm):	25
Static Water Level (ft):	270	Depth to Bedrock (ft):	20
Casing Length (ft):	240	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	105
Liner Diameter (in):	5	Liner Material:	Steel
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Water fracture at 297' Set pump 290' 2nd section of 5" is slotted for water fracture		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=100772&option=view		

6
WNW
1/8 - 1/4 Mile
Higher | **VT WELLS** | **VT8000149283387**

WELLS - PRIVATE:

Well Report #:	34869	Well #/Tag #:	34869
Owner:	Bridigan	Date Completed:	13-MAR-06
Date Received:	24-MAR-06	Purchaser:	Not Reported
Well Depth (ft):	420	Yield (gpm):	20
Static Water Level (ft):	420	Depth to Bedrock (ft):	40
Casing Length (ft):	105	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	105
Liner Diameter (in):	5	Liner Material:	Plastic (AB, PVC)
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Deepen/Hydrofracture existing well		
Water Analysis:	N	Well Screen:	N
Well Type:	Bedrock	Seal Type:	none perforated 380-440
Comments:	Set pump 440 Re-drill after Green Mt. Drilling		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=99972&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B7
NNE **VT WELLS** **VT8000149286305**
1/8 - 1/4 Mile
Higher

WELLS - PRIVATE:

Well Report #:	46225	Well #/Tag #:	46225
Owner:	Niles	Date Completed:	22-APR-07
Date Received:	18-JUL-07	Purchaser:	Not Reported
Well Depth (ft):	80	Yield (gpm):	30
Static Water Level (ft):	22	Depth to Bedrock (ft):	48
Casing Length (ft):	62	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	74’ - 30+ gpm 80’ = 30+ gpm		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=102983&option=view		

8
ENE **VT WELLS** **VT8000149238455**
1/8 - 1/4 Mile
Lower

WELLS - PRIVATE:

Well Report #:	259	Well #/Tag #:	Not Reported
Owner:	CARPENTER	Date Completed:	22-DEC-87
Date Received:	06-JAN-88	Purchaser:	Not Reported
Well Depth (ft):	135	Yield (gpm):	20
Static Water Level (ft):	0	Depth to Bedrock (ft):	95
Casing Length (ft):	97	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Replace existing supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	OVERFLOW IS GROUNDLEVEL.		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51593&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C9
South
1/8 - 1/4 Mile
Lower

VT WELLS **VT8000149304368**

WELLS - PRIVATE:

Well Report #:	62700	Well #/Tag #:	62700
Owner:	SWANSON	Date Completed:	18-APR-23
Date Received:	20-APR-23	Purchaser:	Not Reported
Well Depth (ft):	325	Yield (gpm):	6
Static Water Level (ft):	120	Depth to Bedrock (ft):	170
Casing Length (ft):	245	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	155	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply - Undeveloped Lot		
Water Analysis:	N	Well Screen:	N
Well Type:	Bedrock	Seal Type:	Not Reported
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=123985&option=view		

C10
South
1/8 - 1/4 Mile
Lower

VT WELLS **VT8000149238525**

WELLS - PRIVATE:

Well Report #:	330	Well #/Tag #:	461
Owner:	CORNELL	Date Completed:	10-DEC-92
Date Received:	15-APR-93	Purchaser:	Rowe - Original Driller
Well Depth (ft):	360	Yield (gpm):	15
Static Water Level (ft):	174	Depth to Bedrock (ft):	180
Casing Length (ft):	110	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Deepen/Hydrofracture existing well		
Water Analysis:	N	Well Screen:	N
Well Type:	Bedrock	Seal Type:	Not Reported
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51663&option=view		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B11
NE
1/8 - 1/4 Mile
Lower

VT WELLS **VT8000149238591**

WELLS - PRIVATE:

Well Report #:	405	Well #/Tag #:	567
Owner:	Becker	Date Completed:	21-NOV-95
Date Received:	11-JAN-96	Purchaser:	Stratton
Well Depth (ft):	95	Yield (gpm):	60
Static Water Level (ft):	14	Depth to Bedrock (ft):	70
Casing Length (ft):	81	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51738&option=view		

12
WSW
1/8 - 1/4 Mile
Lower

VT WELLS **VT8000149284463**

WELLS - PRIVATE:

Well Report #:	44179	Well #/Tag #:	44179
Owner:	Dains	Date Completed:	06-AUG-07
Date Received:	29-AUG-06	Purchaser:	Not Reported
Well Depth (ft):	445	Yield (gpm):	10
Static Water Level (ft):	360	Depth to Bedrock (ft):	164
Casing Length (ft):	220	Casing Diameter (in):	7
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=101112&option=view		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

13
West
1/8 - 1/4 Mile
Higher

VT WELLS **VT8000149238483**

WELLS - PRIVATE:

Well Report #:	288	Well #/Tag #:	3
Owner:	Jones	Date Completed:	13-APR-89
Date Received:	18-AUG-89	Purchaser:	Not Reported
Well Depth (ft):	400	Yield (gpm):	7
Static Water Level (ft):	340	Depth to Bedrock (ft):	30
Casing Length (ft):	224	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	casing length is 224' 7"		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51621&option=view		

C14
South
1/8 - 1/4 Mile
Lower

VT WELLS **VT8000149238437**

WELLS - PRIVATE:

Well Report #:	241	Well #/Tag #:	Not Reported
Owner:	CORNELL	Date Completed:	11-MAY-87
Date Received:	22-JUN-87	Purchaser:	Not Reported
Well Depth (ft):	178	Yield (gpm):	5
Static Water Level (ft):	140	Depth to Bedrock (ft):	110
Casing Length (ft):	112	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51575&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C15
SSE
1/8 - 1/4 Mile
Lower

VT WELLS **VT8000149238438**

WELLS - PRIVATE:

Well Report #:	242	Well #/Tag #:	Not Reported
Owner:	MILLIGAN	Date Completed:	06-MAY-87
Date Received:	22-JUN-87	Purchaser:	Not Reported
Well Depth (ft):	90	Yield (gpm):	30
Static Water Level (ft):	11	Depth to Bedrock (ft):	20
Casing Length (ft):	71	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51576&option=view		

16
SSW
1/8 - 1/4 Mile
Lower

VT WELLS **VT8000149276587**

WELLS - PRIVATE:

Well Report #:	27602	Well #/Tag #:	27602
Owner:	Hall	Date Completed:	25-NOV-03
Date Received:	02-FEB-04	Purchaser:	Not Reported
Well Depth (ft):	240	Yield (gpm):	30
Static Water Level (ft):	140	Depth to Bedrock (ft):	180
Casing Length (ft):	200	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Replace existing supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=93038&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D17
North
1/8 - 1/4 Mile
Higher

VT WELLS **VT8000149238354**

WELLS - PRIVATE:

Well Report #:	145	Well #/Tag #:	Not Reported
Owner:	LATCHUM	Date Completed:	01-JUL-75
Date Received:	25-JAN-80	Purchaser:	Not Reported
Well Depth (ft):	305	Yield (gpm):	10
Static Water Level (ft):	280	Depth to Bedrock (ft):	270
Casing Length (ft):	28	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51479&option=view		

D18
NNW
1/4 - 1/2 Mile
Higher

VT WELLS **VT8000149286534**

WELLS - PRIVATE:

Well Report #:	33810	Well #/Tag #:	33810
Owner:	Ostrander	Date Completed:	07-AUG-06
Date Received:	21-AUG-06	Purchaser:	Ransom
Well Depth (ft):	700	Yield (gpm):	9
Static Water Level (ft):	360	Depth to Bedrock (ft):	100
Casing Length (ft):	318	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Clay/Seal Bentonite	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=103217&option=view		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E19
ESE
1/4 - 1/2 Mile
Lower

VT WELLS **VT8000149295637**

WELLS - PRIVATE:

Well Report #:	56746	Well #/Tag #:	56746
Owner:	Outwater	Date Completed:	12-AUG-15
Date Received:	25-AUG-15	Purchaser:	Not Reported
Well Depth (ft):	513	Yield (gpm):	10
Static Water Level (ft):	40	Depth to Bedrock (ft):	80
Casing Length (ft):	511	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=113768&option=view		

D20
North
1/4 - 1/2 Mile
Higher

VT WELLS **VT8000149238395**

WELLS - PRIVATE:

Well Report #:	194	Well #/Tag #:	Not Reported
Owner:	LATCHUM	Date Completed:	27-APR-84
Date Received:	09-MAY-84	Purchaser:	Not Reported
Well Depth (ft):	40	Yield (gpm):	1
Static Water Level (ft):	10	Depth to Bedrock (ft):	0
Casing Length (ft):	22	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Replace existing supply	Water Analysis:	N
Well Screen:	Y	Well Type:	Not Reported
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51528&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

21
NNE
1/4 - 1/2 Mile
Higher

VT WELLS **VT8000149238220**

WELLS - PRIVATE:

Well Report #:	3	Well #/Tag #:	Not Reported
Owner:	WHITNEY FARMS	Date Completed:	07-SEP-66
Date Received:	06-OCT-66	Purchaser:	Not Reported
Well Depth (ft):	230	Yield (gpm):	40
Static Water Level (ft):	38	Depth to Bedrock (ft):	30
Casing Length (ft):	37	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Agricultural
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51337&option=view		

22
SSE
1/4 - 1/2 Mile
Lower

VT WELLS **VT8000149238574**

WELLS - PRIVATE:

Well Report #:	388	Well #/Tag #:	7-749
Owner:	JOHNSON	Date Completed:	15-SEP-95
Date Received:	05-OCT-95	Purchaser:	Not Reported
Well Depth (ft):	220	Yield (gpm):	25
Static Water Level (ft):	20	Depth to Bedrock (ft):	50
Casing Length (ft):	110	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51721&option=view		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E23
SE
1/4 - 1/2 Mile
Lower

VT WELLS **VT8000149292158**

WELLS - PRIVATE:

Well Report #:	41919	Well #/Tag #:	41919
Owner:	Kaffan	Date Completed:	21-JUL-11
Date Received:	25-AUG-11	Purchaser:	Not Reported
Well Depth (ft):	200	Yield (gpm):	25
Static Water Level (ft):	40	Depth to Bedrock (ft):	50
Casing Length (ft):	160	Casing Diameter (in):	7
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Ring bit Fracture 185		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=108956&option=view		

24
South
1/4 - 1/2 Mile
Lower

VT WELLS **VT8000149238466**

WELLS - PRIVATE:

Well Report #:	271	Well #/Tag #:	10
Owner:	Lamoureaux	Date Completed:	28-JUN-88
Date Received:	01-JUL-88	Purchaser:	Not Reported
Well Depth (ft):	214	Yield (gpm):	10
Static Water Level (ft):	150	Depth to Bedrock (ft):	15
Casing Length (ft):	199	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Replace existing supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	casing length is 199' 10"		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51604&option=view		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

25
NW
1/4 - 1/2 Mile
Higher

VT WELLS **VT8000149238595**

WELLS - PRIVATE:

Well Report #:	409	Well #/Tag #:	557
Owner:	NOTARDONATO	Date Completed:	05-JAN-96
Date Received:	31-JAN-96	Purchaser:	Not Reported
Well Depth (ft):	420	Yield (gpm):	1
Static Water Level (ft):	360	Depth to Bedrock (ft):	9
Casing Length (ft):	400	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51742&option=view		

26
NE
1/4 - 1/2 Mile
Lower

VT WELLS **VT8000149272872**

WELLS - PRIVATE:

Well Report #:	19882	Well #/Tag #:	19882
Owner:	Mattison	Date Completed:	16-JUL-02
Date Received:	03-OCT-02	Purchaser:	Not Reported
Well Depth (ft):	175	Yield (gpm):	5
Static Water Level (ft):	40	Depth to Bedrock (ft):	115
Casing Length (ft):	140	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Replace existing supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=89237&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

27
SW
1/4 - 1/2 Mile
Lower

VT WELLS **VT8000149238356**

WELLS - PRIVATE:

Well Report #:	147	Well #/Tag #:	Not Reported
Owner:	GREEN	Date Completed:	19-DEC-79
Date Received:	15-FEB-80	Purchaser:	Not Reported
Well Depth (ft):	80	Yield (gpm):	12
Static Water Level (ft):	7	Depth to Bedrock (ft):	45
Casing Length (ft):	55	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	CASING SEALED WITH 10' OF 8 3/4" HOLE IN ROCK.		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51481&option=view		

28
ESE
1/4 - 1/2 Mile
Lower

VT WELLS **VT8000149269417**

WELLS - PRIVATE:

Well Report #:	18546	Well #/Tag #:	18546
Owner:	Babcock	Date Completed:	24-OCT-01
Date Received:	26-NOV-01	Purchaser:	Not Reported
Well Depth (ft):	170	Yield (gpm):	50
Static Water Level (ft):	40	Depth to Bedrock (ft):	50
Casing Length (ft):	160	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=85755&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F29
NNW
1/4 - 1/2 Mile
Higher

VT WELLS **VT8000149238382**

WELLS - PRIVATE:

Well Report #:	179	Well #/Tag #:	Not Reported
Owner:	MORRISON	Date Completed:	20-MAY-82
Date Received:	07-DEC-82	Purchaser:	Not Reported
Well Depth (ft):	303	Yield (gpm):	2
Static Water Level (ft):	20	Depth to Bedrock (ft):	130
Casing Length (ft):	138	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51513&option=view		

30
NW
1/4 - 1/2 Mile
Higher

VT WELLS **VT8000149259803**

WELLS - PRIVATE:

Well Report #:	6422	Well #/Tag #:	37731
Owner:	GATES	Date Completed:	02-JUN-98
Date Received:	06-JUL-98	Purchaser:	Not Reported
Well Depth (ft):	550	Yield (gpm):	2
Static Water Level (ft):	0	Depth to Bedrock (ft):	20
Casing Length (ft):	423	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Replace existing supply	Water Analysis:	N
Well Screen:	N	Well Type:	Not Reported
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=74674&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F31
NNW
1/4 - 1/2 Mile
Higher

VT WELLS **VT8000149238464**

WELLS - PRIVATE:

Well Report #:	269	Well #/Tag #:	5
Owner:	Gates	Date Completed:	21-APR-88
Date Received:	01-JUL-88	Purchaser:	Not Reported
Well Depth (ft):	348	Yield (gpm):	4
Static Water Level (ft):	263	Depth to Bedrock (ft):	5
Casing Length (ft):	342	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51602&option=view		

F32
NNW
1/4 - 1/2 Mile
Higher

VT WELLS **VT8000149294308**

WELLS - PRIVATE:

Well Report #:	47943	Well #/Tag #:	47943
Owner:	Clifford	Date Completed:	25-JUN-13
Date Received:	22-JUL-13	Purchaser:	Patrick
Well Depth (ft):	785	Yield (gpm):	3
Static Water Level (ft):	0	Depth to Bedrock (ft):	13
Casing Length (ft):	185	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=112372&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

33
WNW
1/4 - 1/2 Mile
Higher

VT WELLS **VT8000149238416**

WELLS - PRIVATE:

Well Report #:	219	Well #/Tag #:	Not Reported
Owner:	LATCHUM	Date Completed:	07-SEP-84
Date Received:	02-OCT-84	Purchaser:	Not Reported
Well Depth (ft):	141	Yield (gpm):	5
Static Water Level (ft):	90	Depth to Bedrock (ft):	0
Casing Length (ft):	146	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Gravel
Seal Type:	Not Reported		
Comments:	SN; HIT BEDROCK AT 142'.		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51553&option=view		

34
NE
1/4 - 1/2 Mile
Higher

VT WELLS **VT8000149238607**

WELLS - PRIVATE:

Well Report #:	3231	Well #/Tag #:	207
Owner:	SAUSVILLE	Date Completed:	13-SEP-96
Date Received:	27-NOV-96	Purchaser:	Not Reported
Well Depth (ft):	360	Yield (gpm):	15
Static Water Level (ft):	0	Depth to Bedrock (ft):	223
Casing Length (ft):	341	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51754&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G35
ENE
1/4 - 1/2 Mile
Higher

VT WELLS **VT8000149238509**

WELLS - PRIVATE:

Well Report #:	314	Well #/Tag #:	393
Owner:	Stratton	Date Completed:	22-AUG-91
Date Received:	11-SEP-91	Purchaser:	Not Reported
Well Depth (ft):	176	Yield (gpm):	18
Static Water Level (ft):	32	Depth to Bedrock (ft):	83
Casing Length (ft):	161	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Replace existing supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Ochre well. Filled in up to bottom of casing. Developed the same as a gravel well.		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51647&option=view		

G36
ENE
1/4 - 1/2 Mile
Higher

VT WELLS **VT8000149262568**

WELLS - PRIVATE:

Well Report #:	11126	Well #/Tag #:	11126
Owner:	Devens	Date Completed:	24-AUG-99
Date Received:	15-SEP-99	Purchaser:	Not Reported
Well Depth (ft):	360	Yield (gpm):	12
Static Water Level (ft):	150	Depth to Bedrock (ft):	0
Casing Length (ft):	338	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=77483&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

37
NW
1/4 - 1/2 Mile
Higher

VT WELLS **VT8000149238263**

WELLS - PRIVATE:

Well Report #:	45	Well #/Tag #:	Not Reported
Owner:	LATCHUM	Date Completed:	01-OCT-71
Date Received:	15-NOV-71	Purchaser:	Not Reported
Well Depth (ft):	560	Yield (gpm):	12
Static Water Level (ft):	290	Depth to Bedrock (ft):	215
Casing Length (ft):	221	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51380&option=view		

38
North
1/4 - 1/2 Mile
Higher

VT WELLS **VT8000149238386**

WELLS - PRIVATE:

Well Report #:	183	Well #/Tag #:	Not Reported
Owner:	GARDNER	Date Completed:	09-NOV-82
Date Received:	29-MAR-83	Purchaser:	Not Reported
Well Depth (ft):	240	Yield (gpm):	12
Static Water Level (ft):	0	Depth to Bedrock (ft):	210
Casing Length (ft):	210	Casing Diameter (in):	0
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51517&option=view		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H39
NW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149238282**

WELLS - PRIVATE:

Well Report #:	67	Well #/Tag #:	Not Reported
Owner:	VILNER	Date Completed:	13-OCT-72
Date Received:	10-NOV-72	Purchaser:	Not Reported
Well Depth (ft):	110	Yield (gpm):	20
Static Water Level (ft):	20	Depth to Bedrock (ft):	10
Casing Length (ft):	20	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	NO DRILLING EQUIP. GIVEN.		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51402&option=view		

40
SSW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149238225**

WELLS - PRIVATE:

Well Report #:	8	Well #/Tag #:	Not Reported
Owner:	LLOYD	Date Completed:	28-APR-67
Date Received:	01-MAY-67	Purchaser:	Not Reported
Well Depth (ft):	350	Yield (gpm):	20
Static Water Level (ft):	0	Depth to Bedrock (ft):	100
Casing Length (ft):	345	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51342&option=view		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H41
NW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149301148**

WELLS - PRIVATE:

Well Report #:	57085	Well #/Tag #:	57085
Owner:	Harrington	Date Completed:	23-NOV-18
Date Received:	18-JUL-19	Purchaser:	Not Reported
Well Depth (ft):	360	Yield (gpm):	25
Static Water Level (ft):	260	Depth to Bedrock (ft):	0
Casing Length (ft):	0	Casing Diameter (in):	0
Casing Material:	Not Reported	Liner Length (ft):	350
Liner Diameter (in):	4	Liner Material:	Plastic (AB, PVC)
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	pump set @ 300 feet; well repair		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=119510&option=view		

I42
NNE
1/2 - 1 Mile
Higher

VT WELLS **VT8000149238502**

WELLS - PRIVATE:

Well Report #:	307	Well #/Tag #:	7-214
Owner:	Harrington	Date Completed:	30-OCT-90
Date Received:	11-DEC-90	Purchaser:	Not Reported
Well Depth (ft):	240	Yield (gpm):	25
Static Water Level (ft):	20	Depth to Bedrock (ft):	10
Casing Length (ft):	200	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51640&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

43
South
1/2 - 1 Mile
Lower

VT WELLS **VT8000149238473**

WELLS - PRIVATE:

Well Report #:	278	Well #/Tag #:	1/11
Owner:	Smith	Date Completed:	12-AUG-88
Date Received:	21-NOV-88	Purchaser:	Not Reported
Well Depth (ft):	104	Yield (gpm):	30
Static Water Level (ft):	18	Depth to Bedrock (ft):	50
Casing Length (ft):	85	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Replace existing supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	casing length is 85’ 9"		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51611&option=view		

44
ESE
1/2 - 1 Mile
Higher

VT WELLS **VT8000149238540**

WELLS - PRIVATE:

Well Report #:	346	Well #/Tag #:	7-605
Owner:	Not Reported	Date Completed:	12-JAN-94
Date Received:	14-APR-94	Purchaser:	Cornell
Well Depth (ft):	220	Yield (gpm):	20
Static Water Level (ft):	100	Depth to Bedrock (ft):	150
Casing Length (ft):	152	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Yield: 10 gpm at 160’ & 170’. NOTES: 5"sleeve - 90 to 165 sealing off bad frac. First 20’ is slotted.		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51679&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

45
NE
1/2 - 1 Mile
Higher

VT WELLS **VT8000149238507**

WELLS - PRIVATE:

Well Report #:	312	Well #/Tag #:	7-289
Owner:	Not Reported	Date Completed:	24-JUL-91
Date Received:	26-JUL-91	Purchaser:	Dream House
Well Depth (ft):	120	Yield (gpm):	100
Static Water Level (ft):	20	Depth to Bedrock (ft):	40
Casing Length (ft):	80	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51645&option=view		

I46
NNE
1/2 - 1 Mile
Higher

VT WELLS **VT8000149238494**

WELLS - PRIVATE:

Well Report #:	299	Well #/Tag #:	350
Owner:	Stratton	Date Completed:	29-JUN-90
Date Received:	02-AUG-90	Purchaser:	Not Reported
Well Depth (ft):	106	Yield (gpm):	10
Static Water Level (ft):	52	Depth to Bedrock (ft):	0
Casing Length (ft):	107	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Gravel
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51632&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

47
SSW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149275778**

WELLS - PRIVATE:

Well Report #:	21294	Well #/Tag #:	21294
Owner:	Madison	Date Completed:	26-FEB-03
Date Received:	12-MAY-03	Purchaser:	Not Reported
Well Depth (ft):	480	Yield (gpm):	20
Static Water Level (ft):	152	Depth to Bedrock (ft):	388
Casing Length (ft):	390	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	402' 7 gpm 420 7 469 20 480 20 set 20' of 5" casing from 380' to 400' to seal off bad fractures		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=92215&option=view		

48
South
1/2 - 1 Mile
Lower

VT WELLS **VT8000149238573**

WELLS - PRIVATE:

Well Report #:	387	Well #/Tag #:	7-748
Owner:	Not Reported	Date Completed:	15-SEP-95
Date Received:	05-OCT-95	Purchaser:	FREEMAN BUILDERS
Well Depth (ft):	100	Yield (gpm):	60
Static Water Level (ft):	20	Depth to Bedrock (ft):	10
Casing Length (ft):	70	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51720&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

49
NW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149238229**

WELLS - PRIVATE:

Well Report #:	11	Well #/Tag #:	Not Reported
Owner:	BURNHAM	Date Completed:	26-NOV-68
Date Received:	18-DEC-68	Purchaser:	Not Reported
Well Depth (ft):	100	Yield (gpm):	25
Static Water Level (ft):	50	Depth to Bedrock (ft):	0
Casing Length (ft):	100	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Gravel
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51346&option=view		

50
NW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149275375**

WELLS - PRIVATE:

Well Report #:	25739	Well #/Tag #:	25739
Owner:	Lucas	Date Completed:	18-JUN-03
Date Received:	04-SEP-03	Purchaser:	Conway Construction
Well Depth (ft):	370	Yield (gpm):	100
Static Water Level (ft):	180	Depth to Bedrock (ft):	80
Casing Length (ft):	195	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	203
Liner Diameter (in):	5	Liner Material:	Steel
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	set pump at 240'.		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=91797&option=view		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J51
South
1/2 - 1 Mile
Lower

VT WELLS **VT8000149288162**

WELLS - PRIVATE:

Well Report #:	96107	Well #/Tag #:	46107
Owner:	Green Mtn Mennonite Fellowship		
Date Completed:	06-NOV-07	Date Received:	03-MAR-08
Purchaser:	Not Reported	Well Depth (ft):	180
Yield (gpm):	10	Static Water Level (ft):	20
Depth to Bedrock (ft):	0	Casing Length (ft):	0
Casing Diameter (in):	0	Casing Material:	Not Reported
Liner Length (ft):	100	Liner Diameter (in):	5
Liner Material:	Steel	Grout Type:	Not Reported
Diam Drilled in Bedrock (in):	0	Depth Drilled (ft):	0
Screen Make:	Not Reported	Screen Material:	Not Reported
Screen Length (ft):	0	Screen Diameter (in):	0
Depth to Screen (ft):	0	Gravel Size/Type:	Not Reported
Well Use:	OTHER	Well Reason:	Deepen/Hydrofracture existing well
Water Analysis:	N	Well Screen:	N
Well Type:	Bedrock	Seal Type:	Not Reported
Comments:	Set pump 100 feet Well Use: Church		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=104868&option=view		

K52
NW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149274135**

WELLS - PRIVATE:

Well Report #:	17799	Well #/Tag #:	17799
Owner:	Johns	Date Completed:	06-SEP-02
Date Received:	01-NOV-02	Purchaser:	Not Reported
Well Depth (ft):	120	Yield (gpm):	15
Static Water Level (ft):	34	Depth to Bedrock (ft):	20
Casing Length (ft):	120	Casing Diameter (in):	7
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Clay/Seal Bentonite	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=90518&option=view		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

53
SSW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149238576**

WELLS - PRIVATE:

Well Report #:	390	Well #/Tag #:	7-769
Owner:	OUTWATER	Date Completed:	18-OCT-95
Date Received:	25-OCT-95	Purchaser:	Not Reported
Well Depth (ft):	260	Yield (gpm):	20
Static Water Level (ft):	40	Depth to Bedrock (ft):	0
Casing Length (ft):	178	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51723&option=view		

L54
NNE
1/2 - 1 Mile
Higher

VT WELLS **VT8000149238236**

WELLS - PRIVATE:

Well Report #:	18	Well #/Tag #:	Not Reported
Owner:	DERNIER	Date Completed:	10-JAN-69
Date Received:	15-JAN-69	Purchaser:	Not Reported
Well Depth (ft):	170	Yield (gpm):	10
Static Water Level (ft):	45	Depth to Bedrock (ft):	43
Casing Length (ft):	57	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51353&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J55
South
1/2 - 1 Mile
Lower

VT WELLS **VT8000149287710**

WELLS - PRIVATE:

Well Report #:	33816	Well #/Tag #:	33816
Owner:	Green Mountain Mennonite Fellowship		
Date Completed:	26-NOV-07	Date Received:	22-FEB-08
Purchaser:	Not Reported	Well Depth (ft):	560
Yield (gpm):	30	Static Water Level (ft):	69
Depth to Bedrock (ft):	75	Casing Length (ft):	420
Casing Diameter (in):	6	Casing Material:	Steel
Liner Length (ft):	0	Liner Diameter (in):	0
Liner Material:	Not Reported	Grout Type:	Clay/Seal Bentonite
Diam Drilled in Bedrock (in):	0	Depth Drilled (ft):	0
Screen Make:	Not Reported	Screen Material:	Not Reported
Screen Length (ft):	0	Screen Diameter (in):	0
Depth to Screen (ft):	0	Gravel Size/Type:	Not Reported
Well Use:	Domestic	Well Reason:	Replace existing supply
Water Analysis:	N	Well Screen:	N
Well Type:	Bedrock	Seal Type:	Not Reported
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=104414&option=view		

L56
NNE
1/2 - 1 Mile
Higher

VT WELLS **VT8000149298337**

WELLS - PRIVATE:

Well Report #:	54446	Well #/Tag #:	54446
Owner:	Outwater	Date Completed:	30-JAN-17
Date Received:	07-FEB-17	Purchaser:	Not Reported
Well Depth (ft):	318	Yield (gpm):	20
Static Water Level (ft):	140	Depth to Bedrock (ft):	30
Casing Length (ft):	315	Casing Diameter (in):	8
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	316-318 feet = 20 gpm		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=116566&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

57
WNW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149238383**

WELLS - PRIVATE:

Well Report #:	180	Well #/Tag #:	5
Owner:	PECKHAM	Date Completed:	02-DEC-82
Date Received:	04-MAR-83	Purchaser:	Not Reported
Well Depth (ft):	133	Yield (gpm):	30
Static Water Level (ft):	32	Depth to Bedrock (ft):	75
Casing Length (ft):	114	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Updated 11/24/97		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51514&option=view		

58
North
1/2 - 1 Mile
Higher

VT WELLS **VT8000149238419**

WELLS - PRIVATE:

Well Report #:	223	Well #/Tag #:	Not Reported
Owner:	GREEN	Date Completed:	13-MAY-85
Date Received:	06-JUN-85	Purchaser:	Not Reported
Well Depth (ft):	350	Yield (gpm):	2
Static Water Level (ft):	120	Depth to Bedrock (ft):	60
Casing Length (ft):	142	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51557&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

59
SSW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149193613**

WELLS - PRIVATE:

Well Report #:	1621	Well #/Tag #:	7-824
Owner:	OUTWATER	Date Completed:	06-JUN-96
Date Received:	20-JUN-96	Purchaser:	Not Reported
Well Depth (ft):	220	Yield (gpm):	30
Static Water Level (ft):	80	Depth to Bedrock (ft):	50
Casing Length (ft):	120	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=3515&option=view		

M60
South
1/2 - 1 Mile
Lower

VT WELLS **VTPUB3000002875**

WELLS - PUBLIC:

System Name:	GREEN MOUNTAIN MENNONITE FELLOWSHIP	System Type:	Non-public
System Status:	Inactive	Population Served:	0
Facility ID:	WL001	Facility Name:	WELL 1
Facility Status:	Active	Availability:	Permanent
Water Type:	Groundwater	Date Constructed:	26-NOV-07
Well Type:	Drilled	Diameter (in):	6
Well Depth:	560 FT	Casing Depth:	420 FT
Static Water Level:	Not Reported		

K61
NNW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149268603**

WELLS - PRIVATE:

Well Report #:	10983	Well #/Tag #:	10983
Owner:	Rocky Top Stables	Date Completed:	28-JUN-01
Date Received:	22-MAY-02	Purchaser:	Feux's Free Spirit Farm
Well Depth (ft):	960	Yield (gpm):	.5
Static Water Level (ft):	200	Depth to Bedrock (ft):	110
Casing Length (ft):	337	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0

Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Replace existing supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=84934&option=view		

M62
South
1/2 - 1 Mile
Lower

VT WELLS **VT8000149193575**

WELLS - PRIVATE:

Well Report #:	444	Well #/Tag #:	16
Owner:	DICKIE	Date Completed:	25-SEP-94
Date Received:	18-NOV-94	Purchaser:	Not Reported
Well Depth (ft):	200	Yield (gpm):	15
Static Water Level (ft):	30	Depth to Bedrock (ft):	60
Casing Length (ft):	140	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Gravel
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=3464&option=view		

N63
NNE
1/2 - 1 Mile
Higher

VT WELLS **VT8000149289764**

WELLS - PRIVATE:

Well Report #:	46078	Well #/Tag #:	46078
Owner:	Amadon	Date Completed:	21-JUL-08
Date Received:	20-AUG-08	Purchaser:	Not Reported
Well Depth (ft):	160	Yield (gpm):	30
Static Water Level (ft):	84	Depth to Bedrock (ft):	16
Casing Length (ft):	80	Casing Diameter (in):	7
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Pump setting at 140 feet.		

URL: https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=106486&option=view

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O64
SSW **VT WELLS** **VT8000149193522**
1/2 - 1 Mile
Lower

WELLS - PRIVATE:

Well Report #:	391	Well #/Tag #:	3-145
Owner:	Keeler	Date Completed:	08-MAY-88
Date Received:	06-JUN-88	Purchaser:	Not Reported
Well Depth (ft):	41	Yield (gpm):	0
Static Water Level (ft):	5	Depth to Bedrock (ft):	0
Casing Length (ft):	41	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Gravel
Seal Type:	Not Reported		
Comments:	ochre & clay - no gravel - no good - casing was capped, not removed - customer later place a pump we were told		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=3411&option=view		

N65
NNE **VT WELLS** **VT8000149238363**
1/2 - 1 Mile
Higher

WELLS - PRIVATE:

Well Report #:	155	Well #/Tag #:	Not Reported
Owner:	BOUPLAN	Date Completed:	01-MAY-80
Date Received:	08-JUL-80	Purchaser:	Not Reported
Well Depth (ft):	70	Yield (gpm):	15
Static Water Level (ft):	8	Depth to Bedrock (ft):	40
Casing Length (ft):	65	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	CASING SEALED WITH 8 3/4" HOLE 10’ IN ROCK.		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51489&option=view		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

66
North
1/2 - 1 Mile
Higher | **VT WELLS** | **VT8000149283106**

WELLS - PRIVATE:

Well Report #:	31371	Well #/Tag #:	31371
Owner:	Bridagon	Date Completed:	20-SEP-05
Date Received:	12-JAN-06	Purchaser:	Not Reported
Well Depth (ft):	500	Yield (gpm):	1.5
Static Water Level (ft):	425	Depth to Bedrock (ft):	4
Casing Length (ft):	401	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=99686&option=view		

P67
WSW
1/2 - 1 Mile
Lower | **VT WELLS** | **VT8000149288108**

WELLS - PRIVATE:

Well Report #:	46054	Well #/Tag #:	46054
Owner:	Kraus	Date Completed:	25-NOV-07
Date Received:	03-MAR-08	Purchaser:	Not Reported
Well Depth (ft):	140	Yield (gpm):	30
Static Water Level (ft):	0	Depth to Bedrock (ft):	18
Casing Length (ft):	120	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Pump setting 115’		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=104814&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q68
NW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149238398**

WELLS - PRIVATE:

Well Report #:	197	Well #/Tag #:	Not Reported
Owner:	GARDNER	Date Completed:	10-JAN-83
Date Received:	16-NOV-83	Purchaser:	Not Reported
Well Depth (ft):	260	Yield (gpm):	25
Static Water Level (ft):	176	Depth to Bedrock (ft):	20
Casing Length (ft):	240	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Gravel
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51531&option=view		

Q69
NW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149238420**

WELLS - PRIVATE:

Well Report #:	224	Well #/Tag #:	Not Reported
Owner:	GARDNER	Date Completed:	18-MAY-85
Date Received:	13-JUN-85	Purchaser:	Not Reported
Well Depth (ft):	160	Yield (gpm):	3
Static Water Level (ft):	37	Depth to Bedrock (ft):	28
Casing Length (ft):	171	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Replace existing supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	SN; PERFERATED PIPE 65' GOT 3 GPM.		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51558&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P70
WSW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149238418**

WELLS - PRIVATE:

Well Report #:	222	Well #/Tag #:	Not Reported
Owner:	DESOMMA	Date Completed:	18-MAR-85
Date Received:	20-MAY-85	Purchaser:	Not Reported
Well Depth (ft):	460	Yield (gpm):	20
Static Water Level (ft):	0	Depth to Bedrock (ft):	4
Casing Length (ft):	21	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Not Reported	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	SEE ORIGINAL REPORT FOR REST OF THE WELL LOG INFORMATION.		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51556&option=view		

O71
SSW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149193593**

WELLS - PRIVATE:

Well Report #:	476	Well #/Tag #:	2D9/2/95
Owner:	KLEIN	Date Completed:	22-FEB-95
Date Received:	06-SEP-95	Purchaser:	Not Reported
Well Depth (ft):	210	Yield (gpm):	15
Static Water Level (ft):	130	Depth to Bedrock (ft):	40
Casing Length (ft):	178	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Replace existing supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=3495&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R72
NNE
1/2 - 1 Mile
Higher

VT WELLS **VT8000149288592**

WELLS - PRIVATE:

Well Report #:	46096	Well #/Tag #:	46096
Owner:	Outwater	Date Completed:	22-OCT-08
Date Received:	27-OCT-08	Purchaser:	Not Reported
Well Depth (ft):	240	Yield (gpm):	15
Static Water Level (ft):	70	Depth to Bedrock (ft):	18
Casing Length (ft):	200	Casing Diameter (in):	7
Casing Material:	Steel	Liner Length (ft):	20
Liner Diameter (in):	7	Liner Material:	Plastic (AB, PVC)
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	on 3/5/10 - 20 feet of casing added and pump setting changed from 160’ to 190’ Added more casing on 4/17/09: Total length-63 ft; Depth to liner top: 150ft.; Diameter: 5 in.; Material: Steel; Weight: 17 lb/ft 5" casing slotted - 150’-223 Set pump 190		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=105303&option=view		

73
WSW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149261300**

WELLS - PRIVATE:

Well Report #:	8200	Well #/Tag #:	246
Owner:	HALE	Date Completed:	07-DEC-98
Date Received:	04-MAR-99	Purchaser:	Not Reported
Well Depth (ft):	440	Yield (gpm):	10
Static Water Level (ft):	0	Depth to Bedrock (ft):	0
Casing Length (ft):	100.8	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	320
Liner Diameter (in):	4	Liner Material:	Plastic (AB, PVC)
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Not Reported
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=76186&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R74
NNE
1/2 - 1 Mile
Higher

VT WELLS **VT8000149300241**

WELLS - PRIVATE:

Well Report #:	57186	Well #/Tag #:	57186
Owner:	McKinney	Date Completed:	03-OCT-18
Date Received:	16-OCT-18	Purchaser:	Not Reported
Well Depth (ft):	310	Yield (gpm):	8
Static Water Level (ft):	80	Depth to Bedrock (ft):	280
Casing Length (ft):	305	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Replace existing supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	@305-307' = 8 gpm		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=118545&option=view		

75
NNW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149259942**

WELLS - PRIVATE:

Well Report #:	6606	Well #/Tag #:	1
Owner:	Beaucheure	Date Completed:	26-MAR-98
Date Received:	14-AUG-98	Purchaser:	Not Reported
Well Depth (ft):	135	Yield (gpm):	0
Static Water Level (ft):	0	Depth to Bedrock (ft):	70
Casing Length (ft):	128.8	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Replace existing supply	Water Analysis:	N
Well Screen:	N	Well Type:	Not Reported
Seal Type:	Not Reported		
Comments:	"0" gpm did not finish at owners request. casing perforated at 65 to 68 feet		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=74817&option=view		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R76
NNE
1/2 - 1 Mile
Higher

VT WELLS **VT8000149288111**

WELLS - PRIVATE:

Well Report #:	46049	Well #/Tag #:	46049
Owner:	Outwater	Date Completed:	01-NOV-07
Date Received:	03-MAR-08	Purchaser:	Not Reported
Well Depth (ft):	135	Yield (gpm):	30
Static Water Level (ft):	86	Depth to Bedrock (ft):	12
Casing Length (ft):	100	Casing Diameter (in):	7
Casing Material:	Steel	Liner Length (ft):	42
Liner Diameter (in):	5	Liner Material:	Steel
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	n/a slotted		
Comments:	Pump setting 110’		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=104817&option=view		

S77
NNE
1/2 - 1 Mile
Higher

VT WELLS **VT8000149284765**

WELLS - PRIVATE:

Well Report #:	33492	Well #/Tag #:	33492
Owner:	Outwter	Date Completed:	15-DEC-06
Date Received:	24-JAN-07	Purchaser:	Not Reported
Well Depth (ft):	200	Yield (gpm):	20
Static Water Level (ft):	82	Depth to Bedrock (ft):	15
Casing Length (ft):	120	Casing Diameter (in):	7
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Pump setting 120’		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=101420&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

78
South
1/2 - 1 Mile
Lower

VT WELLS **VT8000149193599**

WELLS - PRIVATE:

Well Report #:	482	Well #/Tag #:	7-777
Owner:	HARRINGTON	Date Completed:	27-OCT-95
Date Received:	29-NOV-95	Purchaser:	Not Reported
Well Depth (ft):	50	Yield (gpm):	15
Static Water Level (ft):	30	Depth to Bedrock (ft):	0
Casing Length (ft):	50	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Replace existing supply	Water Analysis:	N
Well Screen:	N	Well Type:	Gravel
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=3501&option=view		

79
South
1/2 - 1 Mile
Lower

VT WELLS **VT8000149293060**

WELLS - PRIVATE:

Well Report #:	48627	Well #/Tag #:	48627
Owner:	Dunn	Date Completed:	07-DEC-12
Date Received:	13-MAR-13	Purchaser:	Not Reported
Well Depth (ft):	135	Yield (gpm):	25
Static Water Level (ft):	21	Depth to Bedrock (ft):	0
Casing Length (ft):	130	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Replace existing supply	Water Analysis:	N
Well Screen:	N	Well Type:	Gravel
Seal Type:	Not Reported		
Comments:	135 ft-- 25+ GPM		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=110062&option=view		

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Map ID
Direction
Distance
Elevation | Database | EDR ID Number

80
SSW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149268285**

WELLS - PRIVATE:

Well Report #:	14194	Well #/Tag #:	14194
Owner:	Andrews	Date Completed:	18-JAN-01
Date Received:	02-JUL-01	Purchaser:	Not Reported
Well Depth (ft):	480	Yield (gpm):	25
Static Water Level (ft):	190	Depth to Bedrock (ft):	94
Casing Length (ft):	418	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=84615&option=view		

T81
SW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149238543**

WELLS - PRIVATE:

Well Report #:	349	Well #/Tag #:	20
Owner:	Dwyer	Date Completed:	03-JUN-94
Date Received:	14-JUL-94	Purchaser:	Not Reported
Well Depth (ft):	370	Yield (gpm):	32
Static Water Level (ft):	0	Depth to Bedrock (ft):	17
Casing Length (ft):	40	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=51682&option=view		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T82
SW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149290570**

WELLS - PRIVATE:

Well Report #:	41405	Well #/Tag #:	41405
Owner:	Dwyer	Date Completed:	07-JAN-08
Date Received:	20-JAN-09	Purchaser:	Not Reported
Well Depth (ft):	400	Yield (gpm):	75
Static Water Level (ft):	260	Depth to Bedrock (ft):	35
Casing Length (ft):	300	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Replace existing supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Set pump at 340'.		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=107303&option=view		

S83
NNE
1/2 - 1 Mile
Higher

VT WELLS **VT8000149258386**

WELLS - PRIVATE:

Well Report #:	5117	Well #/Tag #:	37758
Owner:	Webb	Date Completed:	17-NOV-97
Date Received:	22-DEC-97	Purchaser:	Not Reported
Well Depth (ft):	455	Yield (gpm):	6
Static Water Level (ft):	340	Depth to Bedrock (ft):	70
Casing Length (ft):	440	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Not Reported
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=73226&option=view		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T84
SW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149275327**

WELLS - PRIVATE:

Well Report #:	25718	Well #/Tag #:	25718
Owner:	Dwyer	Date Completed:	09-APR-03
Date Received:	09-JUN-03	Purchaser:	Not Reported
Well Depth (ft):	380	Yield (gpm):	30
Static Water Level (ft):	80	Depth to Bedrock (ft):	30
Casing Length (ft):	140	Casing Diameter (in):	6
Casing Material:	Steel	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	New Supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Not Reported		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=91747&option=view		

85
SW
1/2 - 1 Mile
Lower

VT WELLS **VT8000149193536**

WELLS - PRIVATE:

Well Report #:	405	Well #/Tag #:	448
Owner:	Bromirski	Date Completed:	14-SEP-92
Date Received:	17-DEC-92	Purchaser:	Not Reported
Well Depth (ft):	340	Yield (gpm):	35
Static Water Level (ft):	235	Depth to Bedrock (ft):	31
Casing Length (ft):	80	Casing Diameter (in):	6
Casing Material:	Not Reported	Liner Length (ft):	0
Liner Diameter (in):	0	Liner Material:	Not Reported
Grout Type:	Not Reported	Diam Drilled in Bedrock (in):	0
Depth Drilled (ft):	0	Screen Make:	Not Reported
Screen Material:	Not Reported	Screen Length (ft):	0
Screen Diameter (in):	0	Depth to Screen (ft):	0
Gravel Size/Type:	Not Reported	Well Use:	Domestic
Well Reason:	Replace existing supply	Water Analysis:	N
Well Screen:	N	Well Type:	Bedrock
Seal Type:	Not Reported		
Comments:	Tested yield: 35 GPM at 340 feet.		
URL:	https://anrweb.vt.gov/DEC/WellDrillerReports/UpdateWellReportPublic.aspx?WR=3425&option=view		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: VT Radon

Radon Test Results

City	# Tests	Avg Result	Std Dev	Min	Max
RUPERT	7	2.1	1.5	0.5	4.7
ARLINGTON	57	4.8	7.4	0.1	32.0
BENNINGTON	188	1.8	2.3	0.1	16.4
DORSET	68	3.5	4.4	0.1	21.7
MANCHESTER	166	3.3	5.0	0.2	29.3
PERU	3	1.7	0.7	0.9	2.2
POWNAL	22	1.7	1.4	0.3	6.6
READSBORO	4	0.7	0.2	0.5	0.9
SANDGATE	2	1.3	0.6	0.8	1.7
SHAFTSBURY	38	2.1	2.9	0.2	13.3
STAMFORD	5	1.4	1.4	0.2	3.5
SUNDERLAND	6	2.4	1.8	0.4	4.6
WINHALL	8	0.8	0.4	0.4	1.7
WOODFORD	2	1.2	0.7	0.7	1.7

Federal EPA Radon Zone for BENNINGTON County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 05201

Number of sites tested: 8

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.750 pCi/L	83%	17%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.863 pCi/L	88%	12%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: VT Center for Geographic Information
Telephone: 802-882-3001

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Vermont Public Drinking Water Sources
Source: ANR, Water Supply Division
Telephone: 802-241-3406

Well Driller Report Database
Source: Dept of Environmental Conservation, Water Resource
Telephone: 802-585-4907
Private wells in this layer come from the Department of Environmental Conservation's Water Supply Data Composite. Managed by the Water Supply Division's Well Driller and Well Location Program, the database contains private well information submitted by Vermont licensed well drillers.

OTHER STATE DATABASE INFORMATION

RADON

State Database: VT Radon
Source: Department of Health
Telephone: 802-865-7200
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION