
Underhill Affordable Housing Site 16 Harvest Run, Proposed Lot #6 Underhill, Vermont 05489

KAS #503210610

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

March 25, 2021

Prepared for:

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1.0 EXECUTIVE SUMMARY

KAS, Inc. of Williston, Vermont (KAS) conducted a Phase I Environmental Site Assessment (ESA) of land and premises at 16 Harvest Run, Proposed Lot #6 in Underhill, Chittenden County, Vermont (property; see Appendix A, Site Location Map, Site Map and Tax Map). The ESA was conducted pursuant to the American Society of Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E 1527-13). This Phase I ESA was performed and overseen by environmental professionals as defined by ASTM E 1527-13 and is believed to accurately represent the environmental condition of the property as of the date of this report.

The property consists of one mostly rectangular shaped parcel containing 8.63 acres. The property contains portions of the parcel located at 16 Harvest Run which is proposed to be subdivided and sold. No development was noted on the property. KAS has reviewed available environmental data concerning the property and has determined that current and past uses of the property do not present material threat of a release of hazardous substances and/or petroleum products.

No surrounding properties appear to present an environmental risk based on their distance, location and/or environmental status. One of the adjacent parcels to the west was observed to contain various solid waste storage including several piles of tires, old appliances, vehicle parts, drums and containers of unknown content during the Phase I ESA site reconnaissance. This parcel was also reported to be used as a junkyard in the 1950's. However, this parcel is presumed to lie in a general down-gradient/cross-gradient direction to the property based off surface elevations and the nearest subsurface groundwater flow data and therefore is not considered to present a risk of contaminant migration to the property.

No additional investigation is deemed necessary to ascertain the presence or absence of a recognized environmental condition (REC) on the property. A Phase II ESA is not recommended for the property.

KAS has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-13 at 16 Harvest Run, proposed lot #6 in Underhill, Chittenden County, Vermont. Any exceptions to, or deletions from, this practice are described in Section 11.0 of this report. This assessment has revealed no evidence of a REC in connection with the property.

A REC is defined in ASTM E 1527 as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment".



2.0 INTRODUCTION

KAS, Inc. of Williston, VT (KAS) conducted a Phase I Environmental Site Assessment (ESA) of land and premises at 16 Harvest Run, proposed lot #6 in Underhill, Chittenden County, Vermont (property; see Appendix A, Site Location Map¹, Site Map² and Tax Map³). The ESA was conducted pursuant to the ASTM *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E 1527-13). This assessment was conducted for United Church of Underhill (User) who is the entity receiving federal liability protections under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). The owner of the property as of the date of this report is Philip Jacobs (Owner).

2.1. Purpose

The purpose of this ESA is to identify recognized environmental conditions (RECs), historical RECs (HRECs), controlled RECs (CRECs) and de minimis conditions in association with the property as defined and described in the ASTM standard.

2.2. Detailed Scope-of-Services

KAS was engaged by the client to conduct a Phase I ESA as defined in ASTM E 1527-13. The Phase I ESA work scope included the following elements:

- A general description of the site and vicinity, current property and adjoining property uses, and description of improvements.
- An evaluation of user supplied information including land records, liens, limitations, specialized knowledge, and valuation information.
- A review of practically reviewable regulatory and historic records in connection with the property.
- A site reconnaissance including general site setting, interior and exterior observations.
- Interviews with owner, site manager, occupants, local government officials and others as available.
- Presentation of Findings, Opinion, Conclusions, Deviations and the results of any out-of-scope contract obligations between client and KAS.

Unless otherwise stated in Section 12.0 of this document, no invasive environmental testing was conducted, and no assessment or testing of asbestos, lead paint, radon or other structural environmental hazards was conducted. If any of these tasks were contracted between KAS and client, the methodology, limitations and results of such tasks may be presented in Section 12.0 of this document.

¹ USGS, 1989

² Google Earth

³ Town of Underhill



3.0 SITE DESCRIPTION

3.1. Location and Legal Description

The property is located at 16 Harvest Run in Underhill, Vermont. The coordinates for the entrance of the property are as follows; 44°31'33.17" north latitude and 72°56'32.27" west longitude.⁴ A description of the property's land use history is included in Section 5.4 of this report. The property has no improvements and is further described in Section 3.4 of this report.

3.2. Site and Vicinity General Characteristics

The property consists of one mostly rectangular shaped parcel containing 8.63 acres in the Underhill Flats Village Center zoning district, which allows small-scale commercial operations, residential, and public uses according to the Town of Underhill.⁵ This property contains portions of the parcel at 16 Harvest Run that is proposed to be subdivided and sold. The property lies near the southwestern end of the Town of Underhill boundary. The property can be accessed by walking off of Harvest Run or Jacobs Hill Road. A perennial stream was observed to run along the southeastern side of the property. The nearest named surface water, The Creek, is located approximately 0.15 miles to the west. The property is generally flat throughout. Surficial groundwater in the vicinity is likely greater than 15 feet below grade. Given the close proximity to The Creek, groundwater is presumed to flow in a westerly direction. The depth to groundwater and flow direction were not confirmed during this Phase I ESA.

3.3. Current Use of the Property

The property is currently undeveloped and consists of vacant land. The property has been used for recreational purposes by neighbors. Additionally, the property is hayed approximately three times a year.

3.4. Descriptions of On-Site Structures, Roads and Other Improvements

The property is currently undeveloped with no structures or improvements.

3.5. Current Uses of Adjoining Properties

Land uses adjacent to the property as of the date of this assessment consisted of residential use except to the west which consisted of a church and fire department. A wooded area lies adjacent to the property, along the approximate center of the property parcel, which was noted to be used for storage of various materials.

⁴ Google Earth

⁵ Town of Underhill, VT Unified Land Use and Development Regulations, adopted March 1, 2011.



4.0 USER SUPPLIED INFORMATION

4.1. Title Records

The User did not provide title records. KAS reviewed chain of title information for the property through the Town of Underhill online database on March 19, 2021. Records found during the review are provided in Section 5.4.2.

4.2. Environmental Liens or Activity and Use Limitations

No environmental liens or use limitations were discovered during review of land records. The User did not provide positive information of the existence of environmental liens or use limitations in connection with the property.

4.3. Specialized Knowledge

The User did not provide any specialized knowledge regarding the property.

4.4. Commonly Known or Reasonably Ascertainable Information

The User provided the following commonly known or reasonable ascertainable information regarding the property: the property is currently vacant and is sometimes used for recreational purposes by the neighbors. The property is hayed up to three times a year.

4.5. Valuation Reduction for Environmental Issues

The User states that the property is for sale and reflects fair market value. There is no valuation reduction for environmental issues.

4.6. Owner, Property Manager, and Occupant Information

The property is owned by Philip Jacobs. The property is managed by the owner.

4.7. Reasons for Performing Phase I

The User provided the following reason(s) for conducting this Phase I ESA: due diligence to satisfy funding requirements.

4.8. Other User Supplied Information and Documentation

The User supplied an appraisal that was conducted for the property on March 15, 2021. The appraisal report stated that the United Church of Underhill requested the appraisal for the purpose of applying for a planning grant under the Community Development Program and the Town of Underhill. The property was described as an 8.63-acre parcel consisting of vacant land and was valued at \$275,000.



5.0 RECORDS REVIEW

5.1. Standard Environmental Record Sources

5.1.1 Regulatory Database Search

KAS contracted with Envirosearch Corporation (Envirosearch) to perform a detailed review of state and federal regulatory records to evaluate the environmental risk associated with the property. The search was conducted using All Appropriate Inquiry standards which comply with ASTM E 1527-13 search criteria. A full copy of the Envirosearch Radius Report is included in Appendix C. A summary of the pertinent data contained in the Envirosearch report is presented below.

Property

The property is not included in the database search report.

Immediately Adjacent Sites

One immediately adjacent property was listed as a state hazardous waste site (SHWS) in the government database search report. A site is identified as a SHWS if a reported release has occurred onsite, requiring investigation, monitoring, and/or clean up. This parcel was listed as a SHWS due to minor soil contamination found during the closure of a heating oil underground storage tank (UST). No impacts to groundwater were found and the site received a sites management activities complete (SMAC) designation on March 16, 2001. Based on this information this listing is not believed to present an environmental risk to the property; however, due to its close proximity to the property, this SHWS listing was further evaluated and is discussed in Section 5.2.

Other Sites

Envirosearch identified the following properties within a specified ASTM search radius that may present a potential environmental risk to the property based on the type of land use.

Envirosearch identified five (5) SHWS listings within one (1) mile of the property. All these sites are related to a release of heating oil from an UST, except for one that was related to a release of gasoline from a UST, and have received regulatory closure designation, which indicates contamination associated with past releases have been addressed to the satisfaction of the Vermont Department of Environmental Conservation (VT DEC). Also, the closest of these sites are located cross-gradient to the property based on the inferred westerly flow of groundwater towards The Creek. Therefore, these listed sites are not considered to present a risk of contaminant migration to the property.

Envirosearch identified two (2) UST sites within approximately a ¼ mile of the property, both of which are of higher elevation and, therefore, potentially hydraulically upgradient of the property. Both sites indicated that no contamination was found during the removal of the heating oil USTs. Therefore, these are not considered to present a risk of contaminant migration to the property.



One (1) property within one (1) mile of the property, the First Step Print Shop, was listed in four of the environmental regulatory databases search by Envirosearch. The first listing is in the ECHO database, which is an EPA centrally managed database that identifies facilities, sites, or places (program interest) subject to environmental regulations or environmental interest. From the information reviewed, the property listing appears to be related to this property use as a print shop. The second listing is for FRS database, which is also an EPA centrally managed database that integrates data from several national and state agencies. This property was listed for its use as a print shop and no violations were noted. The third listing is as a hazardous waste generator (HWG) in Vermont and the fourth listing is RCRA – VSQG very small quantities generators, also listed for the property's use as a print shop and no violations have occurred. Therefore, the listed property is not considered to present a risk of contaminant migration to the property.

5.2. Additional Environmental Record Sources

KAS reviewed available information concerning any nearby hazardous sites on file with the VT DEC. No nearby properties showed up in the VT DEC databases which were not included in the Envirosearch report.⁶

KAS reviewed the available site documents for the SHWS adjacent to the property. The SHWS is listed as the United Church of Underhill (SMS# 2000-2777) located at 9 Park Street, Underhill, Vermont. The site was listed as a SHWS due to the detection of petroleum impacted soils during the UST closure assessment of two No. 2 heating oil USTs. Impacted soils were observed near the vent and fill lines of both USTs. The impacted soil near UST #2 was able to be defined during the UST closure assessment and the impacted soil was drummed and disposed of by Clean Harbors Environmental Services. The limits of the impacted soil near UST #1 were not defined during the UST closure assessment and the VT DEC requested additional site investigation work. Four soil borings were advanced in the vicinity of UST #1 and soil samples were collected from the saturated zone of each soil boring. Based on the results of the investigation, petroleum impacts were determined to be limited to the area near the fill and vent lines of UST#1 between 0 to 4 feet below surface grade.⁷ Following the site investigation, the Site received SMAC designation and was closed on March 16, 2001. Based on this information, the listed site is not considered to present a risk of contaminant migration to the property.

Additionally, KAS reviewed available site documents for the SHWS listed as Village Auto and Service (SMS#97-2213) to gain information regarding nearby groundwater flow patterns. The groundwater at this SHWS has been documented to flow towards a low spot at the Site near MW-1, generally towards the north/northwest. Select volatile organic compounds (VOCs) were detected in groundwater samples from two of the Site monitoring wells, but at concentrations below the Vermont Groundwater Enforcement Standards (VGES). Additionally, based on the groundwater flow direction off-site contaminant migration was not deemed likely. Based on this information, the Site was deemed eligible for SMAC designation.⁸ However, the Site has

⁶ VT DEC Database

⁷ Site Investigation Report for United Church of Underhill, dated March 2, 2001. Prepared by Twin State Environmental.

⁸ Phase II Environmental Site Assessment Report for Village Service and Auto Repair, dated December 28, 2015. Prepared by Waite-Heindel Environmental Management.

not been officially closed yet because the VT DEC is still in the process of drafting the SMAC letter to be filed in the Underhill land records.⁹ Given the above information, this site is not considered to present a risk of contaminant migration to the property.

5.3. Physical Setting Sources

5.3.1 USGS Topographic Maps

The most recent available USGS topographic map which shows structures, revised in 1980, was examined during this assessment.¹⁰ No buildings are shown to be present on the property. The nearby street layouts and buildings appear as they currently exist.

5.3.2 State Geological Maps

Bedrock in the vicinity of the property consists of gray, foliated muscovite-chlorite-biotite-feldspar-quartz- schist, phyllite, and metagraywacke. Quartz is commonly blue, and local thin conglomeratic horizons are present.¹¹ The overburden deposits around the property are mapped as lake gravel.¹²

No Class 2 wetland areas or wetland advisory areas are identified on the property or its vicinity.¹³

5.4. Historical Use Information on the Property and Adjoining Properties

5.4.1 Standard Historical Sources

Aerial Photographs

KAS reviewed aerial photographs taken between 1960 and 2018 for the property (Appendix B).¹⁴ All of the photos appear to show the property as vacant with developed parcels in the vicinity as observed in March 2021. Specifically, development to the north of the property occurred between 1960 and 1972. The residential homes to the southeast of the property appear to have been built between 1986 and 1992 and the residential properties on Jacobs Hill Road appear to have been built between 2009 and 2011.

Fire Insurance Maps

The Sanborn Mapping and Geographic Information Service began producing maps of industrial areas across the USA for fire insurance purposes in the 1860's. These maps detail property use, construction of buildings and related fire risks. The Sanborn archives were searched by Envirosearch.¹⁵ Coverage of the property was not available. A no coverage statement is included in Appendix B.

⁹ VTDEC HazSite Database. Accessed on March 24, 2021 at <https://anrweb.vt.gov/DEC/ERT/Hazsites.aspx>.

¹⁰ Envirosearch

¹¹ Bedrock Geologic Map of Vermont

¹² Surficial Geologic Map Vermont

¹³ VT DEC Database

¹⁴ Envirosearch Historical Aerial Photo Report 2021.

¹⁵ Sanborn Fire Insurance Map Collection



City Directories

KAS reviewed available street directories online for the property and its vicinity.¹⁶ No residential, commercial or industrial listings were available for the property address or its immediate vicinity.

Historical USGS Topographic Maps

KAS reviewed historical USGS topographic maps from 1925-2018 during this assessment.¹⁷ The property is shown as undeveloped as far back as 1925. Development in the general area away from Harvest Run appears to be fairly dense consistent with observations made near the property in March 2021. Each historical topographic map is included in Appendix B.

Municipal Records

KAS reviewed the wastewater and stormwater permit state online databases regarding municipal records for the property. A stormwater permit was found with the effective date July 18, 2008. The permit was for a period of 10 years until July 18, 2018. The permit was for the discharge of stormwater from the Jacobs Subdivision located on Harvest Run to an unnamed tributary of the Browns River.¹⁸ No other permits for the property were found.

5.4.2 Other Historical Sources

KAS reviewed chain of title information for the property through the Underhill online land record database on March 19, 2021. The property history was ascertained and is presented in the following table.¹⁹

Table 5-1: Property Ownership Summary				
Grantee	Grantor	Book	Page	Date
Philip Jacobs	Wesley P. Jacobs	107	278	6/11/2001
Wesley P. Jacobs	Alonna E. Bolio	54	158	12/13/1984

No environmental liens or activity and use limitations were discovered for the property. No additional records could be found for the property using the online database. Due to the COVID-19 pandemic, records could not be viewed in person when KAS visited the property on March 11, 2021.

¹⁶ White pages

¹⁷ Envirosearch

¹⁸ ANR wastewater database

¹⁹ Town of Underhill Land Records



6.0 SITE RECONNAISSANCE

6.1. Methodology and Limiting Conditions

On March 11, 2021, Jeremy Roberts, Qualified Environmental Professional of KAS, conducted a site reconnaissance to inspect the property for indications of environmental risks or hazardous conditions. A completed site inspection checklist is included in Appendix D. KAS was not accompanied by anyone during the inspection. Photographs of the property are included in Appendix E.

6.2. General Site Setting

6.2.1 Current Uses

The property is currently vacant.

6.2.2 Past Uses

Differing past uses were not visually evident at the property.

6.2.3 Current and Past Uses of the Adjoining Properties

Current uses of the adjoining properties at the time of the site reconnaissance are as noted in Section 3.5 of this report. Past uses of the adjoining properties, appear to have been residential to the north, south, and east. To the west of the property is the United Church of Underhill and Underhill Fire Department. A wooded area lies adjacent to the property to the west and was noted to be used for storage of various materials.

6.2.4 Current and Past Uses in the Surrounding Area

The surrounding area uses at the time of the site reconnaissance were as noted in Section 3.5 of this report. Past uses of the surrounding area, as above, appear to have been residential use to the north, south, and east. Commercial and retail development is generally present further to the west.

6.2.5 Geologic, Hydrogeologic and Topographic Conditions

The property is generally flat throughout. No bedrock outcroppings were observed. A perennial stream was noted to run along the southeastern side of the property.

6.2.6 General Description of Structures

No structures were noted on the property.

6.2.7 Roads

The property can be accessed via walking off of Harvest Run and Jacobs Hill Road.



6.2.8 Potable Water Supply

No potable water source was noted for the property.

6.2.9 Sewage Disposal System

No sewage disposal source was noted for the property.

6.3. Interior and Exterior Observations

6.3.1 Current and Past Usage

See Sections 6.2.1 and 6.2.2. KAS completed a representative view of all spaces on the property.

6.3.2 Hazardous Substances and Petroleum Products and Unidentified Containers

No hazardous substances or petroleum products were noted on the property. A few drums and containers of unknown contents were noted on the adjacent wooded parcel to the west.

6.3.3 Storage Tanks

No storage tanks were noted on the property.

6.3.4 Odors

No odors were noted.

6.3.5 Pools of Liquid

No areas of surface water were noted on the property.

6.3.6 Drums

No drums were observed on the property. At least one drum and several containers of unknown contents were noted on the adjacent wooded parcel to the west.

6.3.7 PCBs

No obvious sources of PCBs were noted.

6.4 Exterior Observations

6.4.1 Pits, Ponds and Lagoons

None observed.

6.4.2 Stained Soil or Pavement

No stained soil or pavement was observed. Snow covered the ground on the day of the site inspection.



6.4.3 Stressed Vegetation

None observed. Snow covered the ground on the day of the site inspection.

6.4.4 Solid Waste

No solid waste was noted on the property. Evidence of solid waste storage including several piles of tires, old appliances, vehicle parts, drums and containers of unknown content were noted on the adjacent wooded parcel to the west.

6.4.5 Drains and Waste Water

No drains or wastewater were observed.

6.4.6 Wells

No wells were noted on the property.

6.4.7 Septic Systems

No evidence of septic systems was noted on the property.

7.0 INTERVIEWS

7.1 Interview with Property Owner

Mr. Philip Jacobs, owner of the property, completed a KAS interview questionnaire on March 22, 2021 (Appendix F). Important points raised during this interview included the following:

- The property consists of an open field which is used for recreational type use by locals. The property is hayed up to three times each year.
- Mr. Jacobs was asked about the adjacent wooded triangular lot to the west and he said the lot is owned by Underhill Garage and was previously used by Clark's Truck Center as a junkyard in the 1950's. He believes they primarily stored car parts there. He does not believe anyone is currently using this parcel but old junk likely remains.
- He is not aware of any aboveground or underground storage tanks on the property.
- He is not aware of any spills or releases occurring at the property.

7.2. Interview with Property Occupants

There are no property occupants. Mr. Philip Jacobs manages the property and details from his interview are included above in section 7.1.

7.3. User Interview

Ms. Sandy Wilmot, United Church of Underhill member, completed a KAS User Questionnaire (Appendix F). According to Ms. Wilmot, the Phase I ESA is being conducted to satisfy funding requirements to receive a planning grant through the Vermont Community Development



Program. Ms. Wilmot indicated she is not aware of any spills or releases that have occurred on the property.

7.4. Interview with Local Government Officials

To request information on potential spills and/or hazardous materials incidents associated with the property, KAS contacted the Underhill Fire Department. As of the date of this report, KAS has not received a response regarding any environmental incidents in which the Fire Department has responded at the property.

7.5. Interview with Others

No other interviews were conducted in preparation of this assessment.

8.0 FINDINGS

This assessment has revealed that the property presents no RECs as defined by ASTM.

8.1 Non-ASTM Scope Items

According to the Envirosearch database report, the average radon test result for the basement within Underhill, Vermont is 0.95 picocuries per liter (pCi/L)²⁰. This average basement result is below the EPA action limit of 4 pCi/L. Site-specific testing would be required to determine radon levels inside any future buildings located on the property.

9.0 OPINION

The property consists of one mostly rectangular shaped parcel containing 8.63 acres. The property contains portions of the parcel located at 16 Harvest Run which is proposed to be subdivided and sold. No development was noted on the property. KAS has reviewed available environmental data concerning the property and has determined that current and past uses of the property do not present material threat of a release of hazardous substances and/or petroleum products.

No surrounding properties appear to present an environmental risk based on their distance, location and/or environmental status. One of the adjacent parcels to the west was observed to contain various solid waste storage including several piles of tires, old appliances, vehicle parts, drums and containers of unknown content during the Phase I ESA site reconnaissance. This parcel was also reported to be used as a junkyard in the 1950's. However, this parcel is presumed to lie in a general down-gradient/cross-gradient direction to the property based off surface elevations and the nearest subsurface groundwater flow data and therefore is not considered to present a risk of contaminant migration to the property.

²⁰ Envirosearch Radius Report



No additional investigation is deemed necessary to ascertain the presence or absence of a recognized environmental condition (REC) on the property. A Phase II ESA is not recommended for the property.

10.0 CONCLUSIONS

KAS has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 at 16 Harvest Run, proposed lot #6 located in Underhill, Chittenden County, Vermont. Any exceptions to, or deletions from, this practice are described in Section 11.0 of this report. This assessment has revealed no evidence of a REC in connection with the property.

A REC is defined in ASTM E 1527 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property:

- 1) due to release to the environment;
- 2) under conditions indicative of a release to the environment; or
- 3) under conditions that pose a material threat of a future release to the environment.

11.0 LIMITING CONDITIONS/DEVIATIONS

11.1. Limiting Conditions/Deviations/Data Gaps

Noted limiting conditions and/or deviations to the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-13) included the following: KAS was unable to review land records for the property beyond 1984 due to the COVID-19 pandemic at the time of the assessment. This limiting condition is not believed to impact the overall findings of this assessment.

Noted deviations to the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-13) included the following: None.

Data gaps were not identified.

11.2. Significant Assumptions

KAS undertook performance of this Phase I ESA according to the following assumptions: None.

11.3. Limitations and Exclusions

KAS has prepared this Phase I ESA report in accord with ASTM E 1527-13 using the best efforts of Environmental Professionals and information available at the time of preparation. This report is intended to convey a point-in-time environmental evaluation of the property, as well as relevant information on past uses. The user of this document must recognize the



limitations inherent in conducting a Phase I ESA, as stated in ASTM E 1527-13, which include but are not necessarily limited to:

- This document does not address regulatory compliance issues and KAS makes no assurances relative to the federal, state or local regulatory compliance of the property (ref. Section 1.4).
- Uncertainty Not Eliminated: No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and this practice recognizes reasonable limits of time and cost (ref. Section 4.5.1).
- All appropriate inquiry as defined by ASTM E 1527-13 is not an exhaustive assessment of a property (ref. Section 4.5.2).
- A variable level of inquiry may be conducted depending on the specific characteristics and features of the property and the information developed during the course of the assessment (ref. Section 4.5.3).
- An assessment meeting or exceeding the requirements of ASTM E 1527-13 and completed less than 180 days prior to the date of acquisition or intended transaction is presumed to be valid (ref. Section 4.6).
- All appropriate inquiry as defined by ASTM E 1527-13 is not exhaustive and does not require assessment of historic uses more frequently than every five years (ref. Section 8.3.2.1).

11.4. Special Contractual Conditions

None.

11.5. User Reliance

This report is for the use and benefit of client as defined herein. Affiliates of client, and third parties authorized in writing by KAS and client, may rely upon this report to the extent that client is entitled to do so, provided said parties agree to abide by the limitations and exclusions as stated herein.

12.0 ADDITIONAL SERVICES

None requested.

13.0 REFERENCES

United States Geological Survey (USGS), Topographic Map of Underhill Vermont, 1989, viewed on line at <http://www.topoquest.com>



Town of Underhill Land Records viewed online at
<https://countyfusion12.kofiletech.us/countyweb/loginDisplay.action?town=UnderhillVT&countyname=TownFusion>

Town of Underhill, Vermont Tax Map viewed online at
<https://map.ccrpcvt.org/UnderhillMapView/>

Town of Underhill Vermont Zoning Map viewed online at
<https://map.ccrpcvt.org/UnderhillMapView/>

Government Records Report for Underhill Affordable Housing Project, 85 Harvest Run, Underhill, Vermont March 3, 2021, EnviroSite Corporation, Westport, CT

Historical Aerial Photos Report for Underhill Affordable Housing Project, 85 Harvest Run, Underhill, Vermont March 6, 2021, EnviroSite Corporation, Westport, CT

Google Earth Imagery of Underhill, Vermont 1999 – 2018

Sanborn Map No Coverage Statement for 16 Harvest Run, Underhill, Vermont March 4, 2021, EnviroSite Corporation, Westport, CT

Street directory review for Underhill, Vermont viewed online at www.whitepages.com

VTANR Natural Resources Atlas, viewed online at <http://anrmaps.vermont.gov/websites/anra/>.

KAS, Inc. Phase I ESA User interview with Ms. Sandy Wilmot, United Church of Underhill Member, March 15, 2021

KAS, Inc. Phase I ESA owner interview with Mr. Philip Jacobs, Property Owner, March 22, 2021

Twin State Environmental Site Investigation Report for United Church of Underhill, March 2, 2001.

Waite-Heindel Environmental Management Phase II Environmental Site Assessment for Village Service and Auto Repair, December 28, 2015.

VTDEC Hazardous Sites Database, viewed online at
<https://anrweb.vt.gov/DEC/ERT/Hazsites.aspx>



14.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

I hereby certify that this Phase I Environmental Site Assessment report, as presented, is a complete and accurate record of my findings, to the best of my knowledge.

Prepared by:

Jeremy Roberts, P.G., Environmental Professional

15.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of this part. I have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed the All-Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

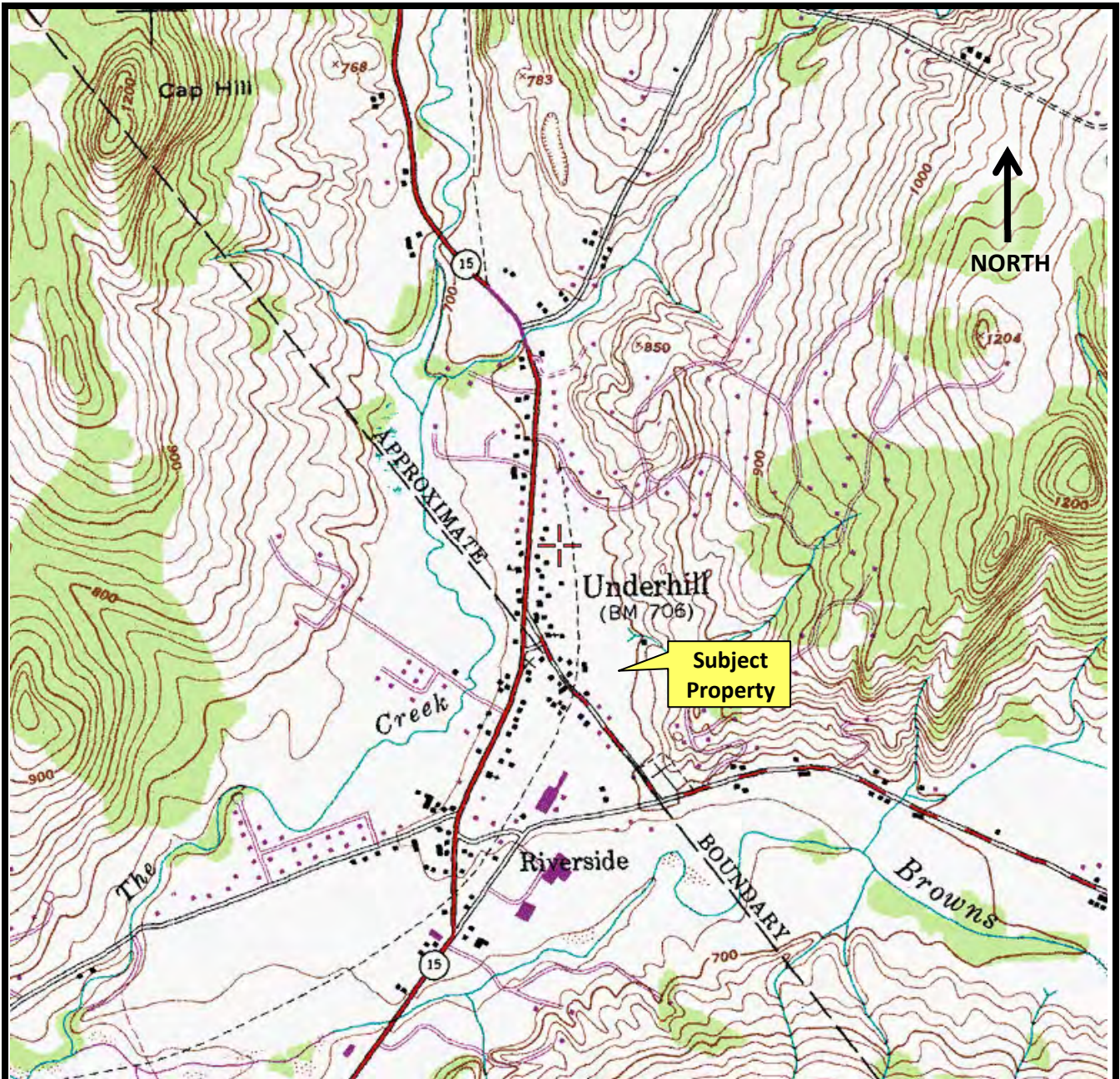
Jeremy Roberts, P.G., Environmental Professional



APPENDIX A

MAPS & DRAWINGS

- 1. Site Location Map**
- 2. Site Plan & Tax Map**



KAS Job #: 503210610

Source: Topoquest, <https://www.topoquest.com/>



16 Harvest Run, Proposed Lot #6 Underhill, Vermont

Site Location Map

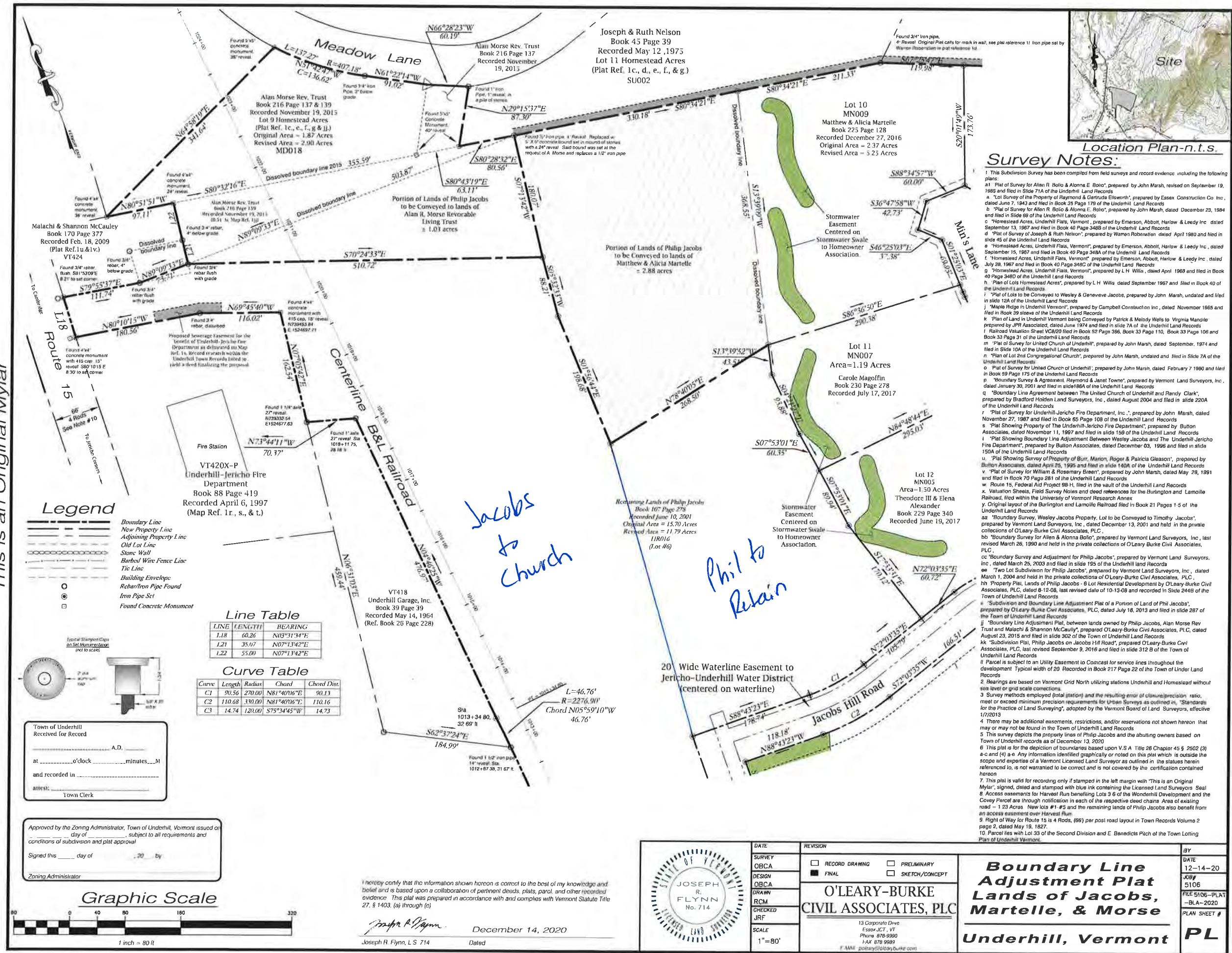
Underhill, VT Quadrangle, 1968 USGS Map

Date: 03/24/21

Drawing No. 0

Scale: NTS

By: ML



APPENDIX B

HISTORICAL RESEARCH DOCUMENTATION

- 1. Historical Fire Insurance Maps – No Coverage Statement**
- 2. Historical Aerial Photos**
- 3. Historical Topographic Maps**

Fire Insurance Maps No Coverage Statement

Site Location

Underhill Affordable Housing Project
85 Harvest Run
Underhill, NE

Requested by

Envirosite Corporation
2 Corporate Drive
Shelton, CT

HIG Project #

2047225

Client Project #

51718

Date Created

03/04/2021



Historical
Information
Gatherers

The HIG Historical Map Collection and the United States Library of Congress Map Collection were searched for fire insurance maps (FIM), real estate atlases and similar maps for the site location and adjoining properties. No FIMs or similar maps were identified for the site location and/or adjacent properties.

FIM+ Maps

The HIG Historical Map Collection and the United States Library of Congress Map Collection were searched for fire insurance maps (FIMs), real estate atlases and similar maps for the site location and adjoining properties. No FIMs or similar maps were identified for the site location and/or adjoining properties.



Historical Aerial Photo Report | 2021

Order Number: 51718

Report Generated: 03/06/2021

Project Name: Underhill Affordable
Housing Project

Project Number: 503210610

Underhill Affordable Housing Project
85 Harvest Run
Underhill, Vermont, 05489

2 Corporate Dr
Suite 450
Shelton, CT 06484
Toll Free: 866-211-2028
www.envirositecorp.com

Envirosite's Historical Aerial Photo Report is designed to assist in evaluating a subject property resulting from past activities. EnviroSite's Historical Aerial Photo Report includes a search of available historical aerial photographs, dating back to the 1930s, or earliest available photographs.

ENVIROSITE SEARCHED SOURCES

SUBJECT PROPERTY:

Underhill Affordable Housing Project
85 Harvest Run
Underhill, Vermont, 05489

YEAR:

1960
1972
1976
1978
1986
1992
1999
2003
2008
2009
2011
2012
2014
2016
2018

SCALE:

1" = 1,000'
1" = 1,000'
1" = 1,000'
1" = 1,500'
1" = 1,000'
1" = 1,000'
1" = 500'
1" = 500'
1" = 500'
1" = 500'
1" = 500'
1" = 500'
1" = 500'
1" = 500'
1" = 500'

SOURCE:

U.S.G.S
U.S.G.S
U.S.G.S
U.S.G.S
NHAP
NAPP
DOQ
NAIP
NAIP
NAIP
NAIP
NAIP
NAIP
NAIP
NAIP

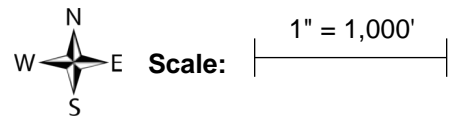
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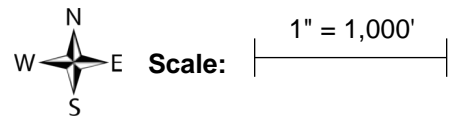
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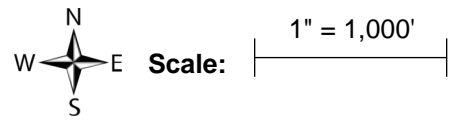
FLIGHT YEAR:
1960



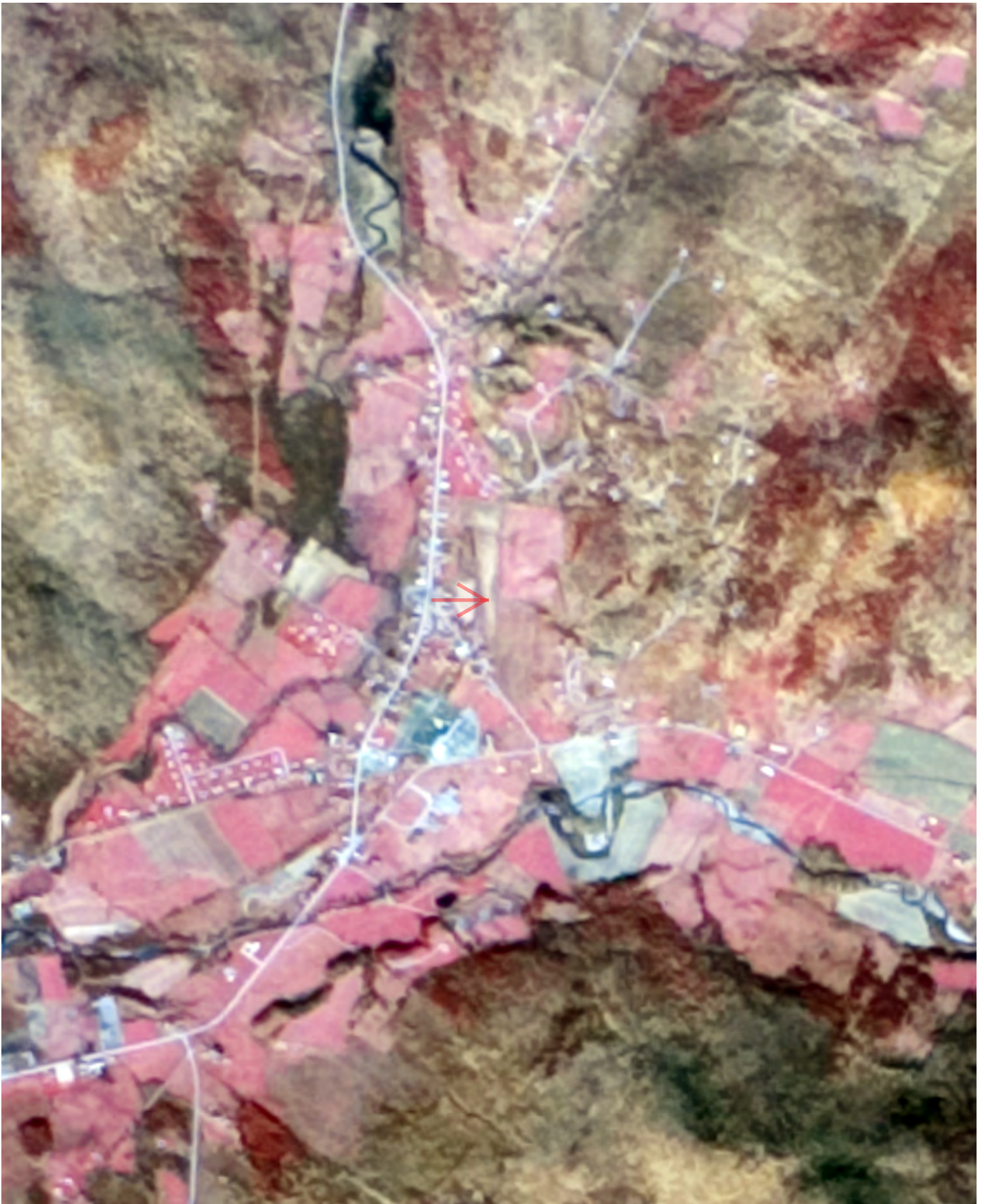
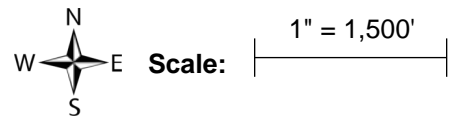
FLIGHT YEAR:
1972



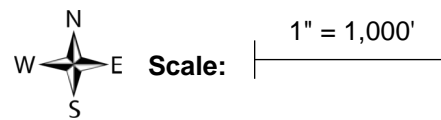
FLIGHT YEAR:
1976



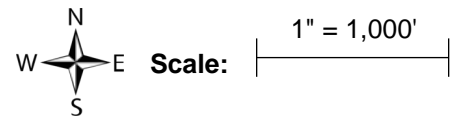
FLIGHT YEAR:
1978



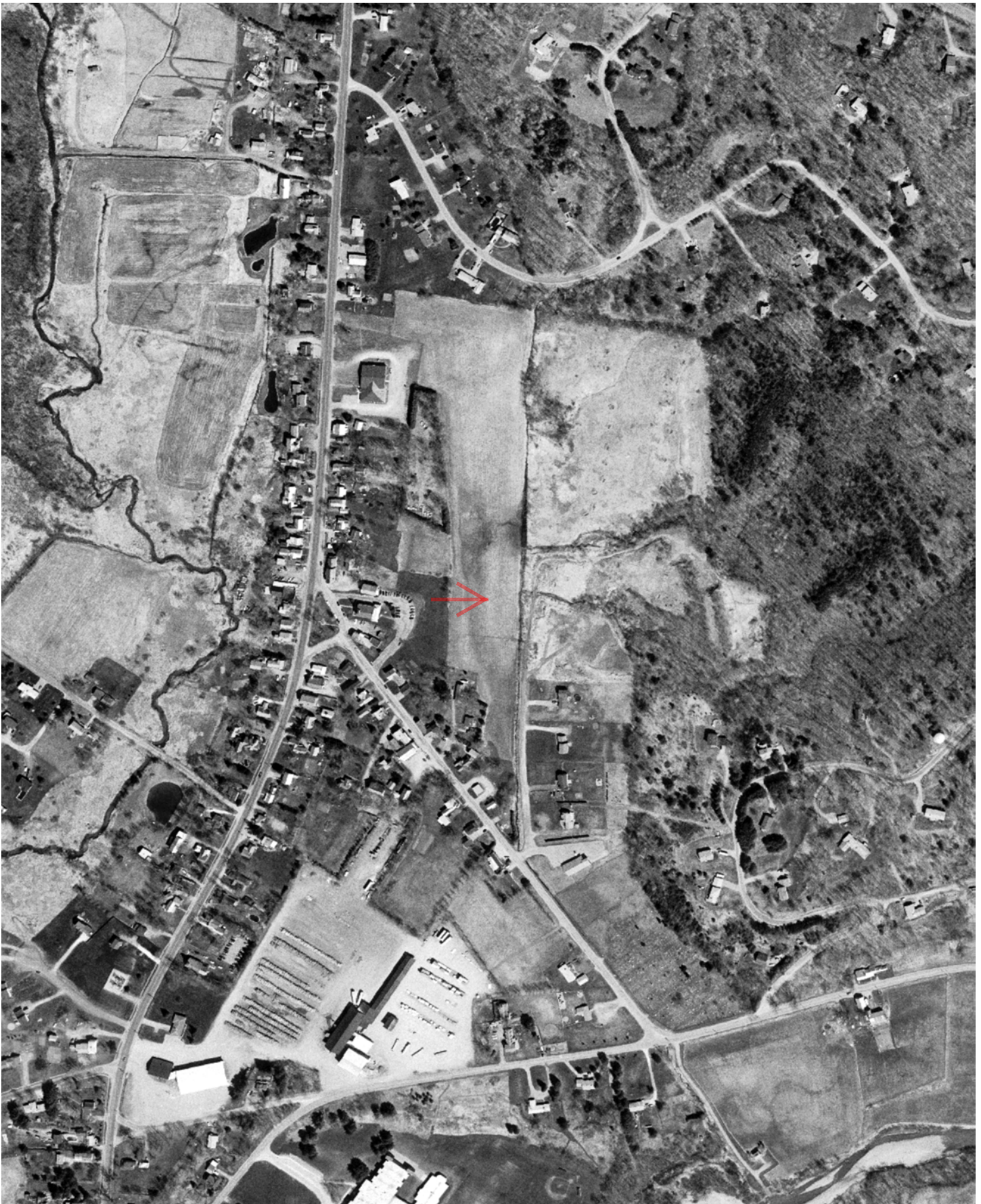
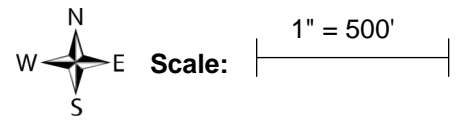
FLIGHT YEAR:
1986



FLIGHT YEAR:
1992



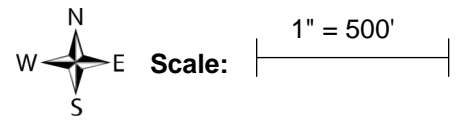
FLIGHT YEAR:
1999



FLIGHT YEAR:
2003



FLIGHT YEAR:
2008



FLIGHT YEAR:
2009



FLIGHT YEAR:
2011



FLIGHT YEAR:
2012



FLIGHT YEAR:
2014



FLIGHT YEAR:
2016



FLIGHT YEAR:
2018





Historical Topographic Map Report | 2021

Order Number: 51718

Report Generated: 03/03/2021

Project Name: Underhill Affordable Housing Project

Project Number: 503210610

Underhill Affordable Housing Project

85 Harvest Run

Underhill, Vermont 05489

2 Corporate Drive
Suite 450
Shelton, CT 06484
Toll Free: 866-211-2028
www.envirositecorp.com

Envirosite's Historical Topographic Map Report is designed to assist in evaluating a subject property resulting from past activities. Envirosite's Historical Topographic Map Report includes a search of USGS historical topographic maps, dating back to the early 1900s.

TOPOGRAPHIC MAPS FOUND:

	<u>Map Name:</u>	<u>Year:</u>	<u>Revision Year:</u>	<u>Scale:</u>
1.	<u>Mount Mansfield</u>	1925	N/R	1 : 48000
2.	<u>Mount Mansfield</u>	1927	N/R	1 : 62500
3.	<u>Mount Mansfield</u>	1927	N/R	1 : 62500
4.	<u>Mount Mansfield</u>	1927	N/R	1 : 62500
5.	<u>Mount Mansfield</u>	1944	N/R	1 : 62500
6.	<u>Underhill</u>	1948	1980	1 : 24000
7.	<u>Underhill</u>	1948	N/R	1 : 24000
8.	<u>Mount Mansfield</u>	1948	N/R	1 : 62500
9.	<u>Underhill</u>	2012	N/R	1 : 24000
10.	<u>Underhill</u>	2015	N/R	1 : 24000
11.	<u>Underhill</u>	2018	N/R	1 : 24000

The USGS 7.5 minute series includes scales 1:24,000 / 1:25,000 / 1:31,680. The USGS 15 minute series includes scales 1:48,000 / 1:62,500 / 1:63,360. The USGS 30x60 minute series scale is 1:100,000.

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SUBJECT NAME: Underhill Affordable Housing Project
ADDRESS: 85 Harvest Run, Underhill, Vermont, 05489
LAT/LONG: 44.525309 / -72.942831

PREPARED FOR: KAS, Inc.
ORDER #: 51718
REPORT DATE: 03/03/2021

SUBJECT QUAD:

MAP NAME:	Mount Mansfield	MAP YEAR:	1925	REVISION YEAR:	N/R
SCALE:	1 : 48000	Part	1		



SUBJECT NAME: Underhill Affordable Housing Project
ADDRESS: 85 Harvest Run, Underhill, Vermont, 05489
LAT/LONG: 44.525309 / -72.942831

PREPARED FOR: KAS, Inc.
ORDER #: 51718
REPORT DATE: 03/03/2021

SUBJECT QUAD:

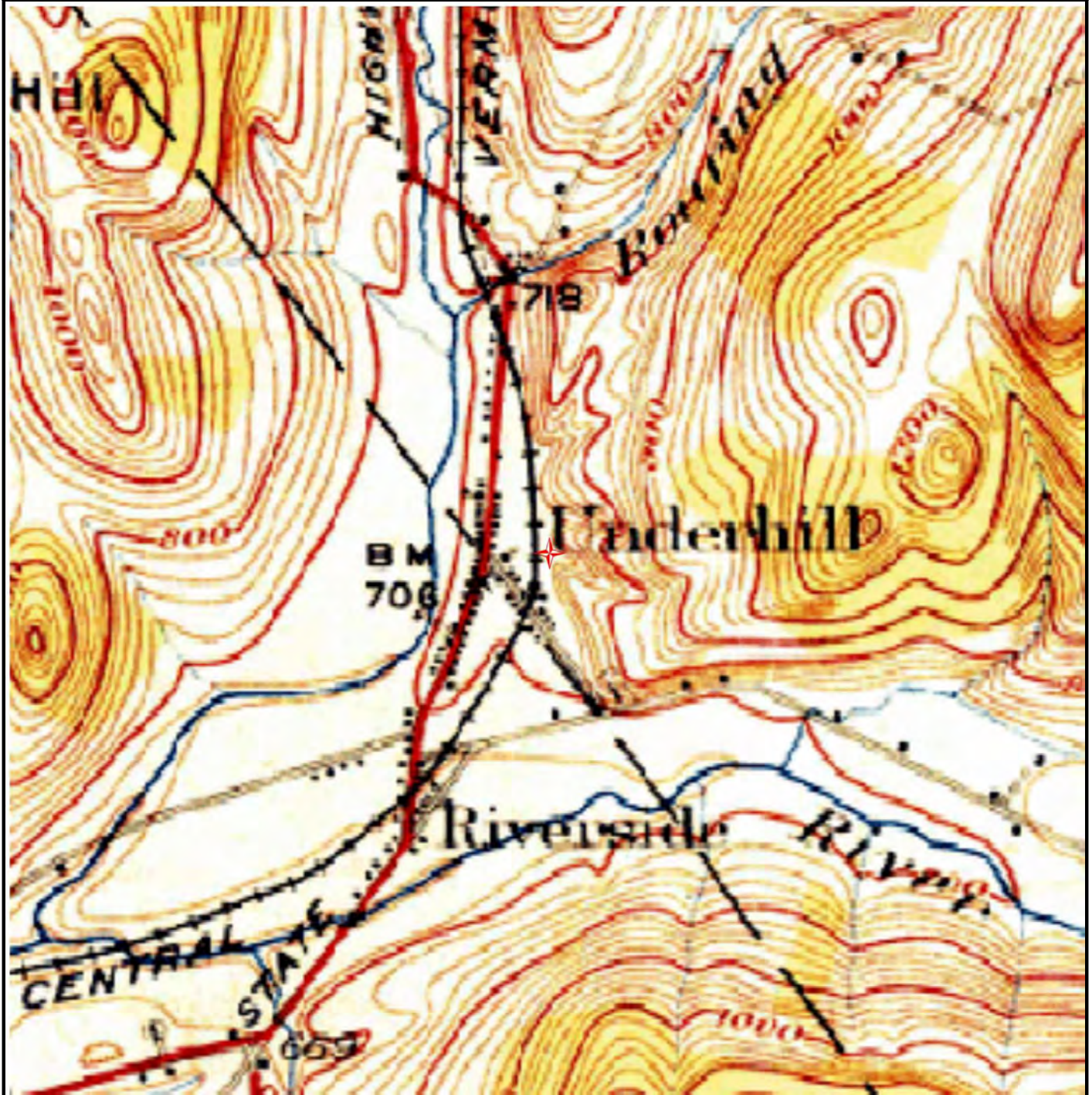
MAP NAME: Mount Mansfield

MAP YEAR: 1927

REVISION YEAR: N/R

SCALE: 1 : 62500

Part 1



SUBJECT NAME: Underhill Affordable Housing Project
 ADDRESS: 85 Harvest Run, Underhill, Vermont, 05489
 LAT/LONG: 44.525309 / -72.942831

PREPARED FOR: KAS, Inc.
 ORDER #: 51718
 REPORT DATE: 03/03/2021

SUBJECT QUAD:

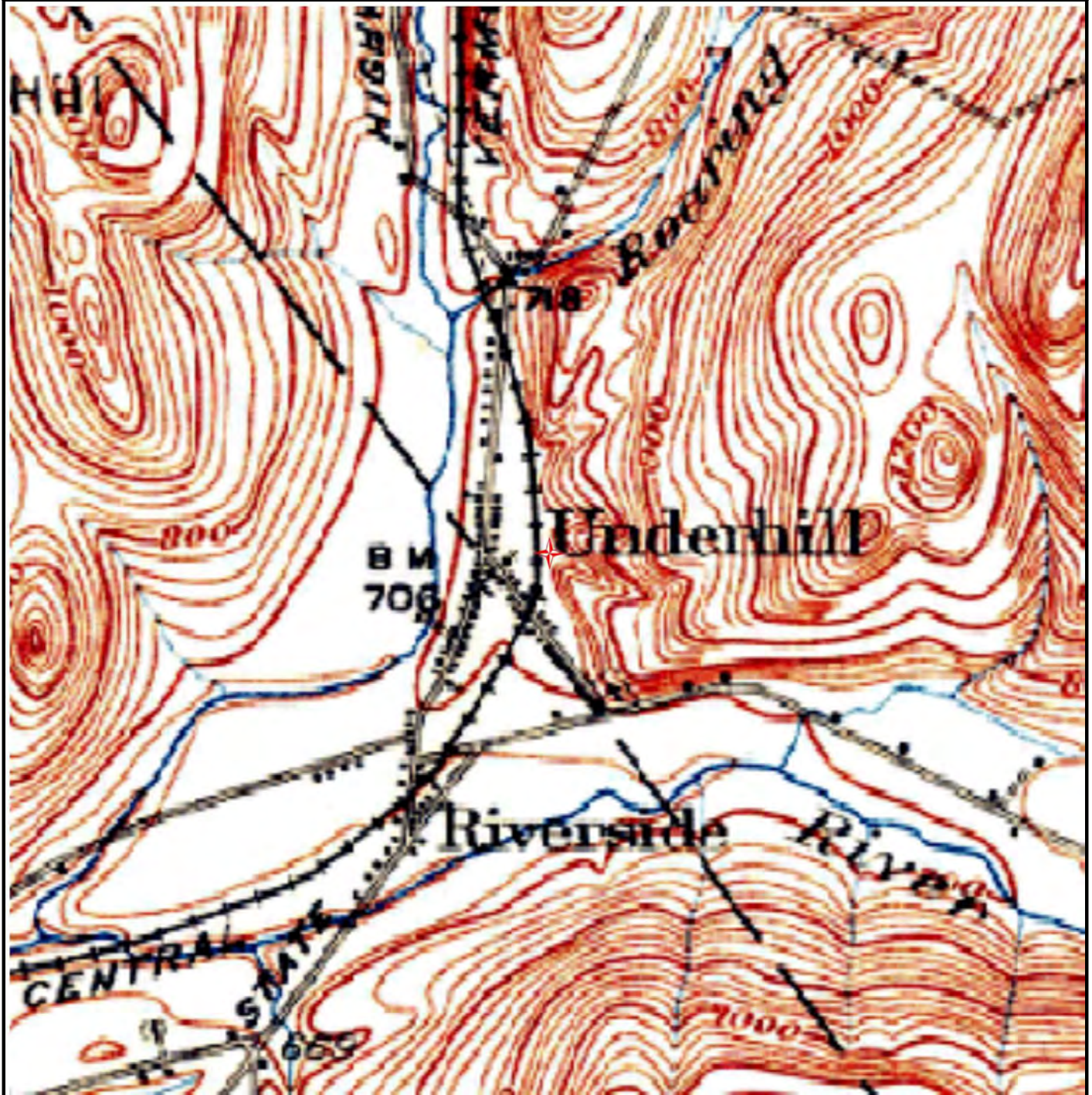
MAP NAME: Mount Mansfield

MAP YEAR: 1927

REVISION YEAR: N/R

SCALE: 1 : 62500

Part 1



SUBJECT NAME: Underhill Affordable Housing Project
 ADDRESS: 85 Harvest Run, Underhill, Vermont, 05489
 LAT/LONG: 44.525309 / -72.942831

PREPARED FOR: KAS, Inc.
 ORDER #: 51718
 REPORT DATE: 03/03/2021

SUBJECT QUAD:

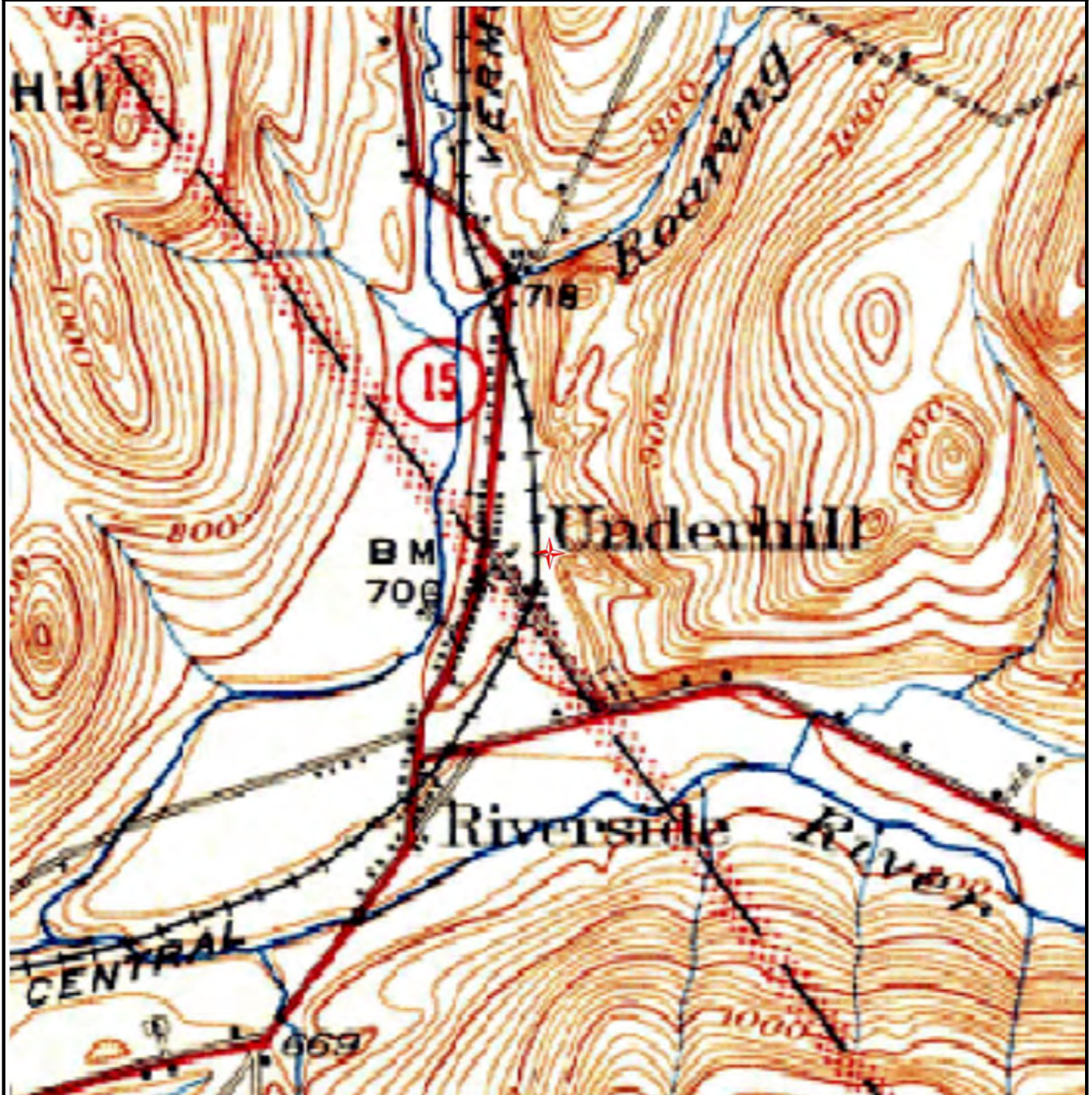
MAP NAME: Mount Mansfield

MAP YEAR: 1927

REVISION YEAR: N/R

SCALE: 1 : 62500

Part 1



SUBJECT NAME: Underhill Affordable Housing Project
 ADDRESS: 85 Harvest Run, Underhill, Vermont, 05489
 LAT/LONG: 44.525309 / -72.942831

PREPARED FOR: KAS, Inc.
 ORDER #: 51718
 REPORT DATE: 03/03/2021

SUBJECT QUAD:

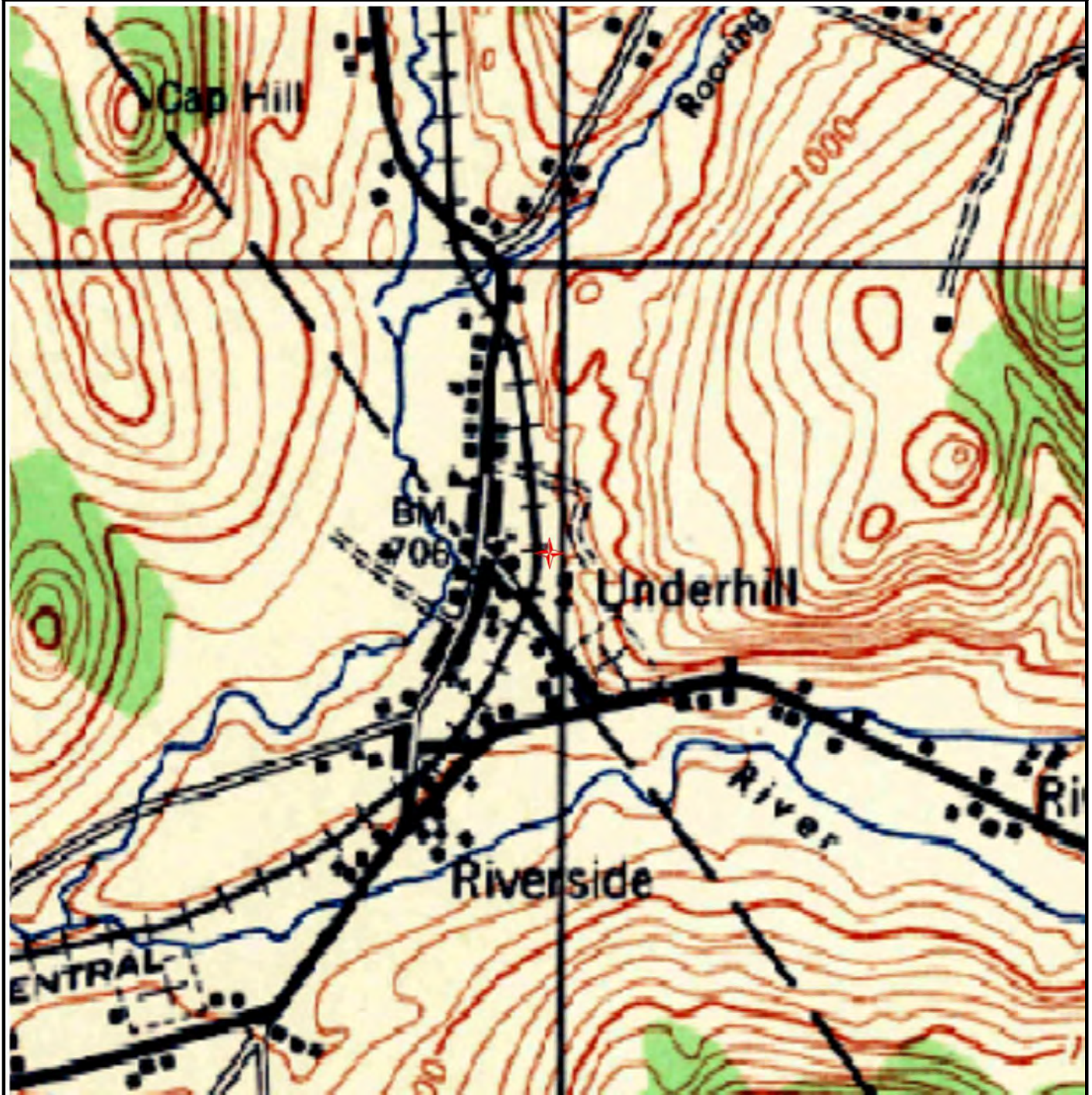
MAP NAME: Mount Mansfield

MAP YEAR: 1944

REVISION YEAR: N/R

SCALE: 1 : 62500

Part 1

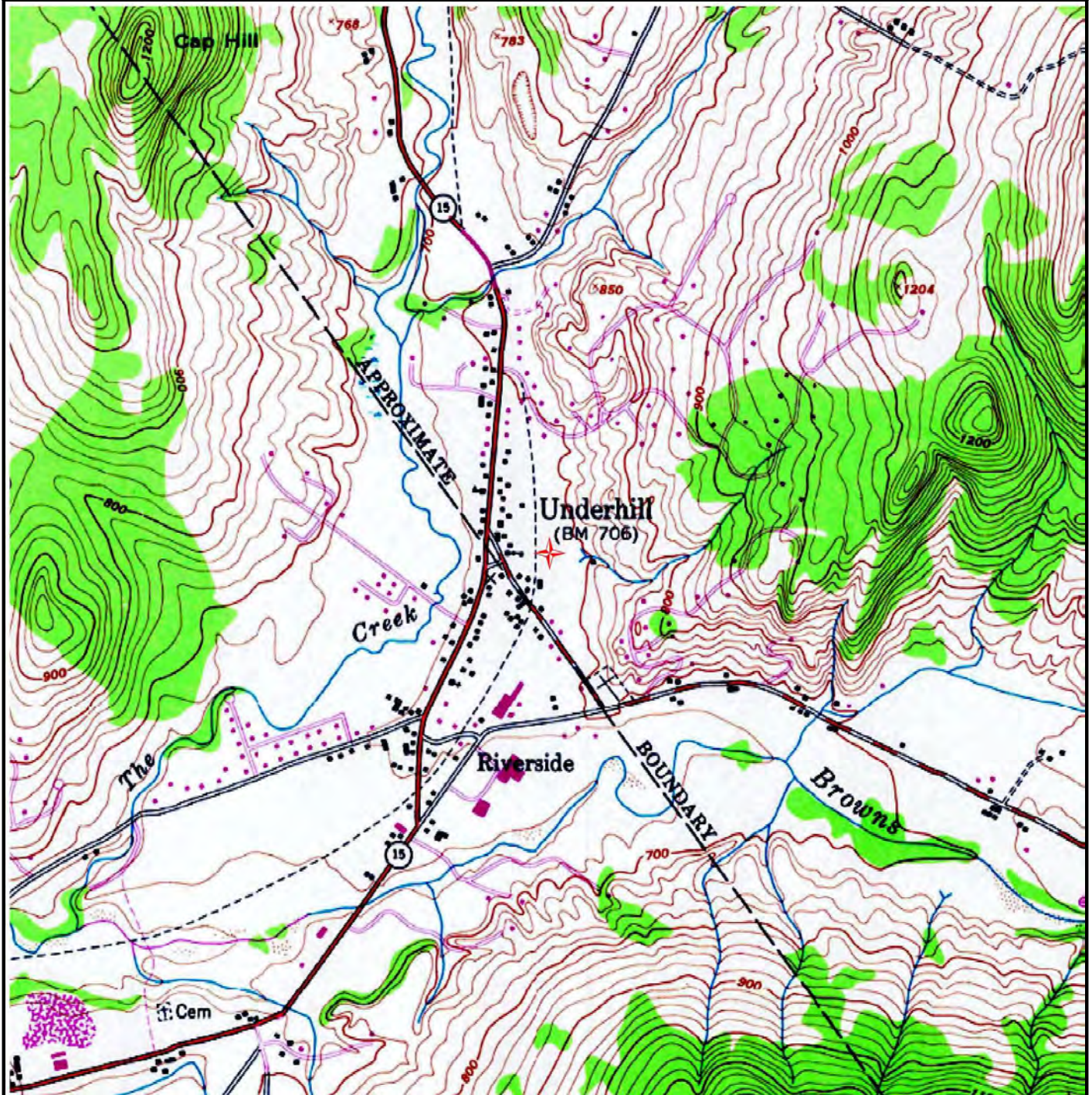


SUBJECT NAME: Underhill Affordable Housing Project
 ADDRESS: 85 Harvest Run, Underhill, Vermont, 05489
 LAT/LONG: 44.525309 / -72.942831

PREPARED FOR: KAS, Inc.
 ORDER #: 51718
 REPORT DATE: 03/03/2021

SUBJECT QUAD:

MAP NAME:	Underhill	MAP YEAR:	1948	REVISION YEAR:	1980
SCALE:	1 : 24000	Part	1		



SUBJECT NAME: Underhill Affordable Housing Project
 ADDRESS: 85 Harvest Run, Underhill, Vermont, 05489
 LAT/LONG: 44.525309 / -72.942831

PREPARED FOR: KAS, Inc.
 ORDER #: 51718
 REPORT DATE: 03/03/2021

SUBJECT QUAD:

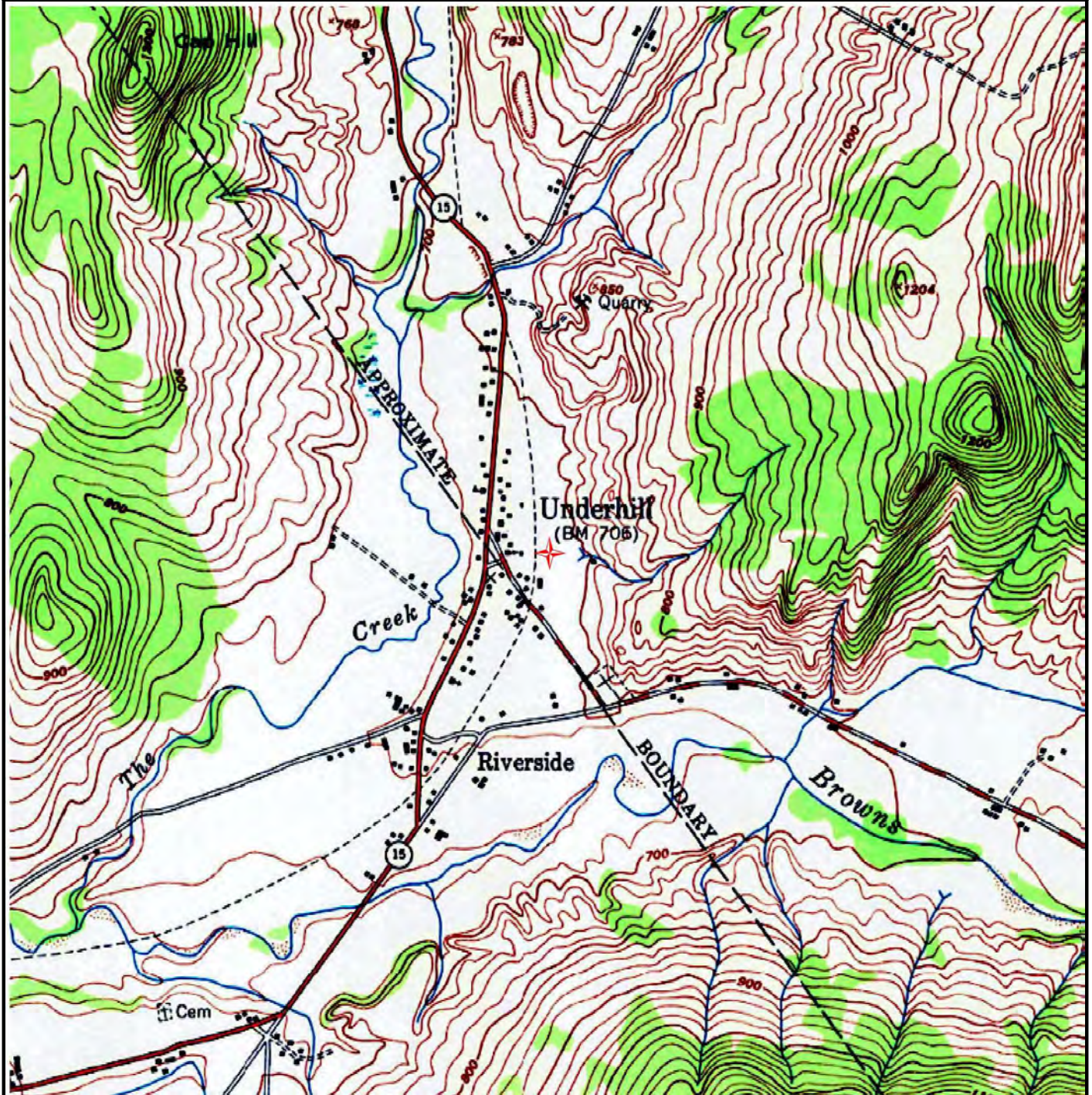
MAP NAME: Underhill

MAP YEAR: 1948

REVISION YEAR: N/R

SCALE: 1 : 24000

Part 1



SUBJECT NAME: Underhill Affordable Housing Project
 ADDRESS: 85 Harvest Run, Underhill, Vermont, 05489
 LAT/LONG: 44.525309 / -72.942831

PREPARED FOR: KAS, Inc.
 ORDER #: 51718
 REPORT DATE: 03/03/2021

SUBJECT QUAD:

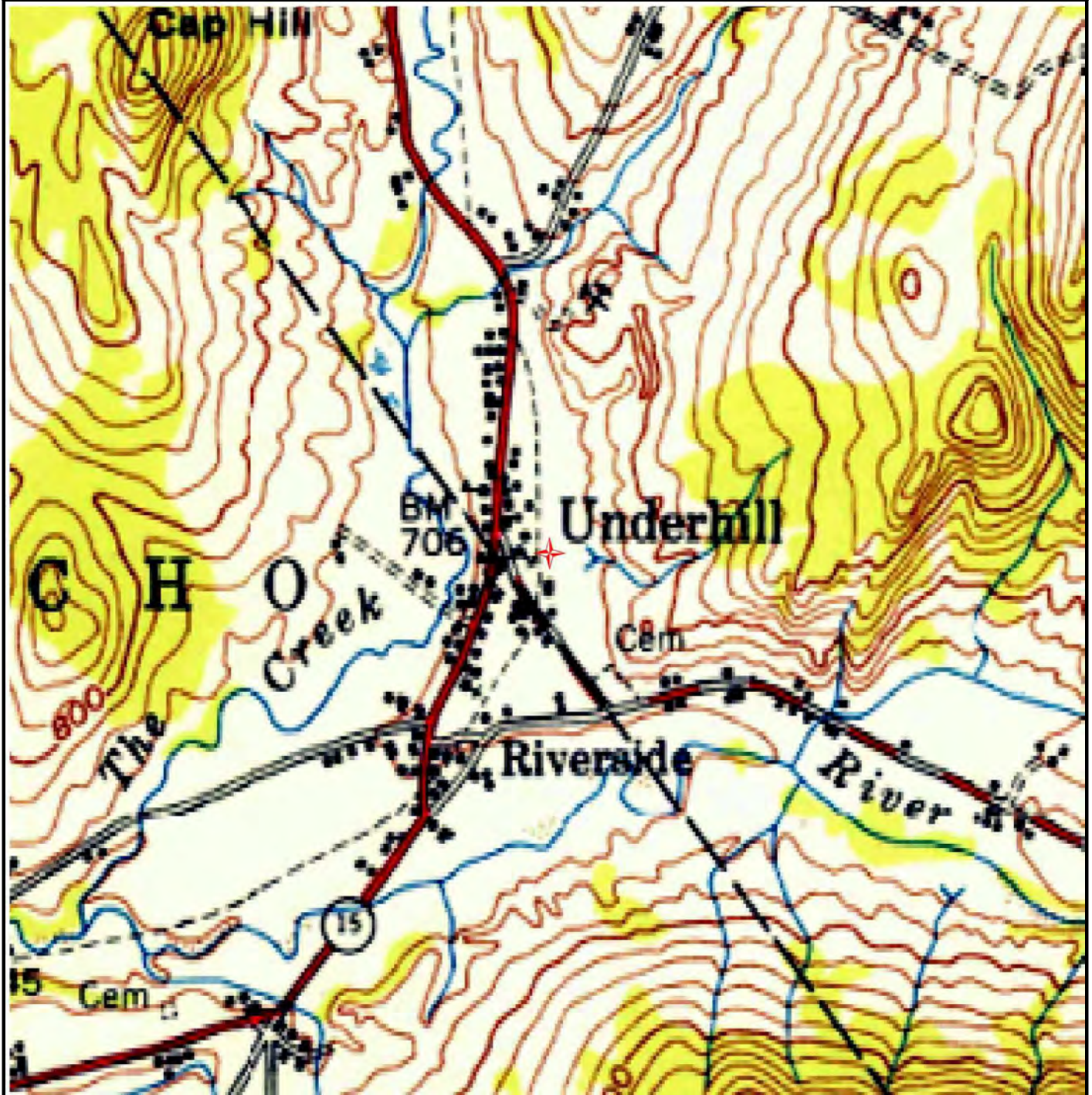
MAP NAME: Mount Mansfield

MAP YEAR: 1948

REVISION YEAR: N/R

SCALE: 1 : 62500

Part 1



SUBJECT NAME: Underhill Affordable Housing Project
 ADDRESS: 85 Harvest Run, Underhill, Vermont, 05489
 LAT/LONG: 44.525309 / -72.942831

PREPARED FOR: KAS, Inc.
 ORDER #: 51718
 REPORT DATE: 03/03/2021

SUBJECT QUAD:

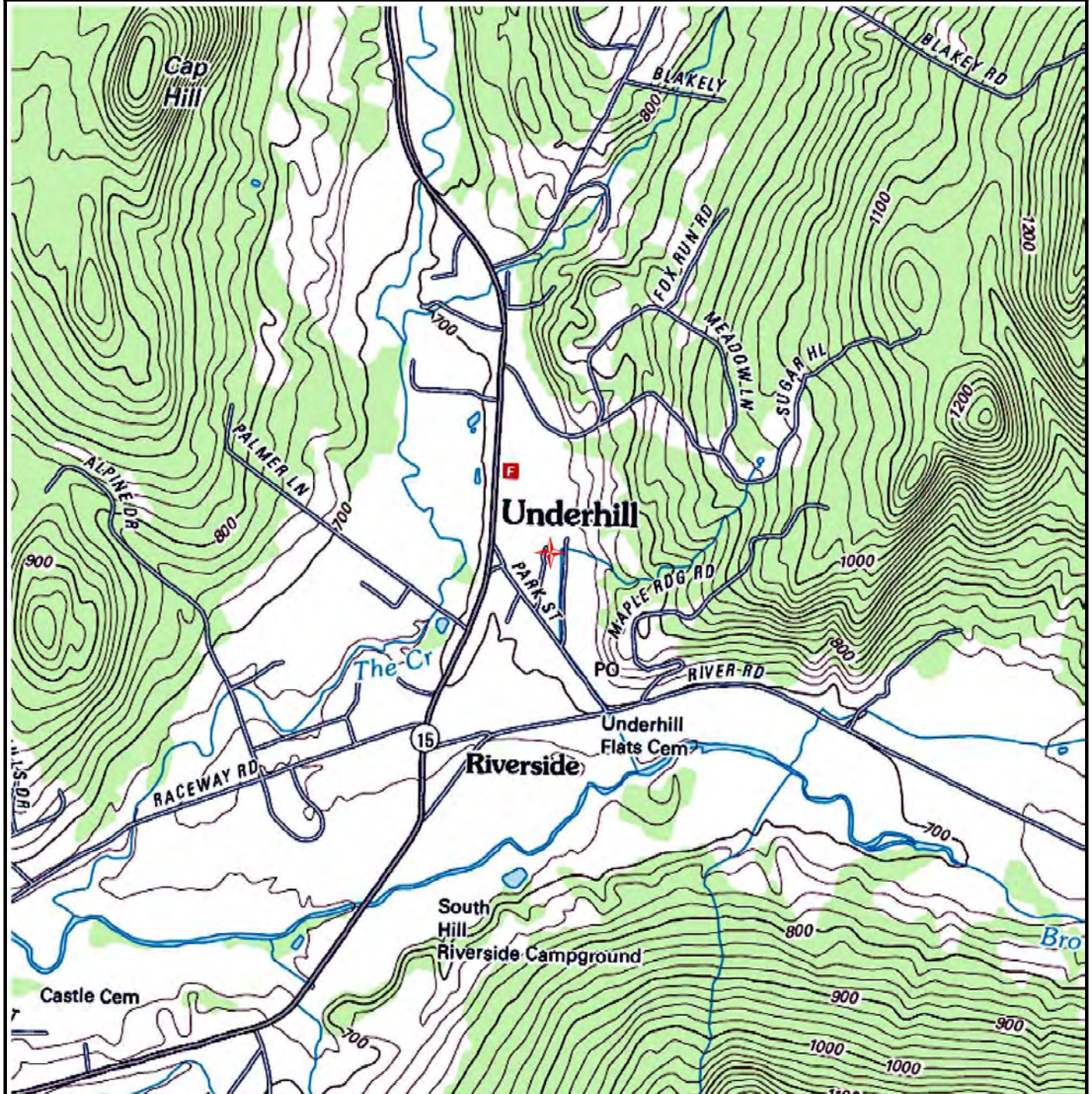
MAP NAME: Underhill

MAP YEAR: 2012

REVISION YEAR: N/R

SCALE: 1 : 24000

Part 1



SUBJECT NAME: Underhill Affordable Housing Project
 ADDRESS: 85 Harvest Run, Underhill, Vermont, 05489
 LAT/LONG: 44.525309 / -72.942831

PREPARED FOR: KAS, Inc.
 ORDER #: 51718
 REPORT DATE: 03/03/2021

SUBJECT QUAD:

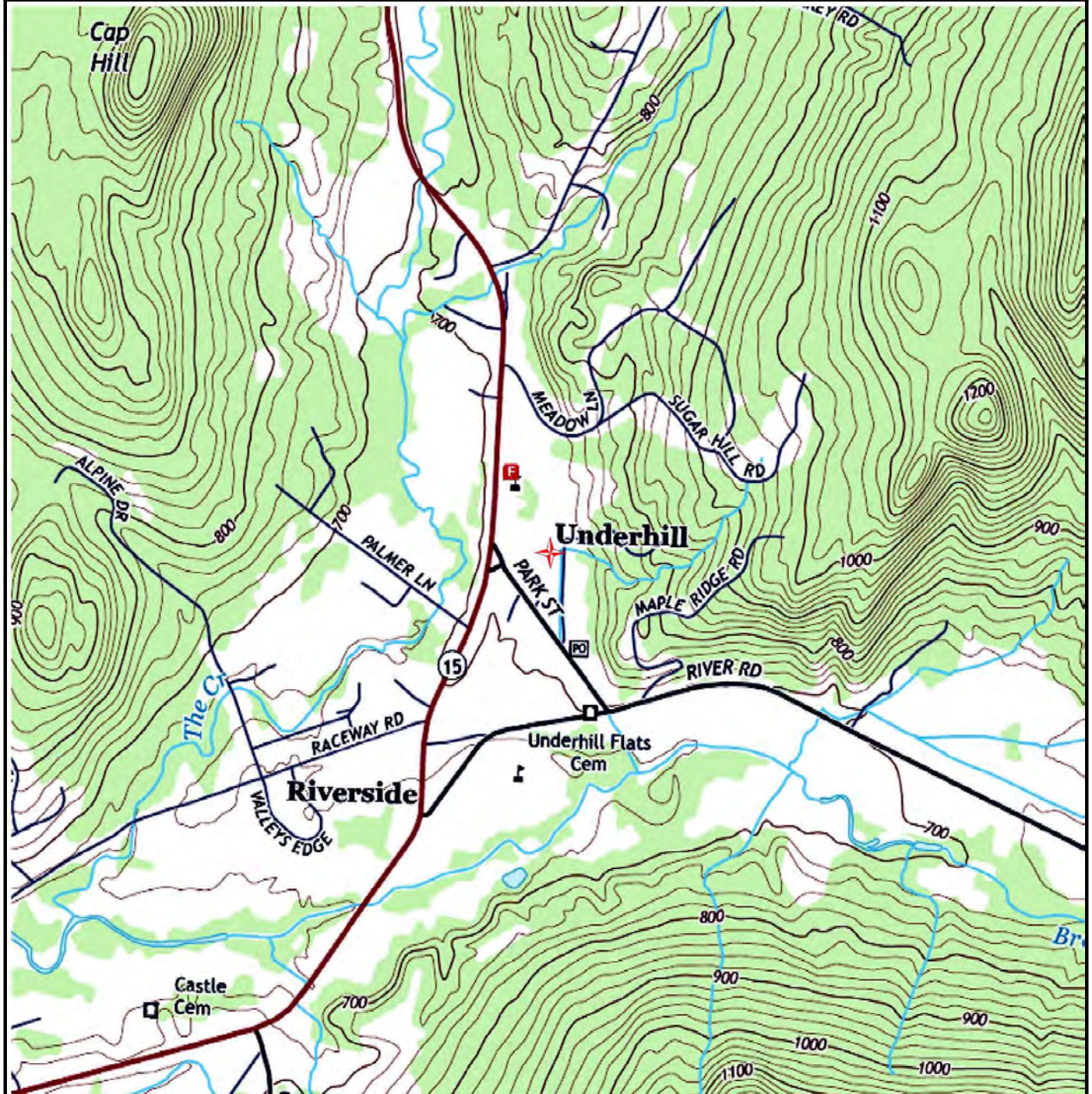
MAP NAME: Underhill

MAP YEAR: 2015

REVISION YEAR: N/R

SCALE: 1 : 24000

Part 1



SUBJECT NAME: Underhill Affordable Housing Project
 ADDRESS: 85 Harvest Run, Underhill, Vermont, 05489
 LAT/LONG: 44.525309 / -72.942831

PREPARED FOR: KAS, Inc.
 ORDER #: 51718
 REPORT DATE: 03/03/2021

SUBJECT QUAD:

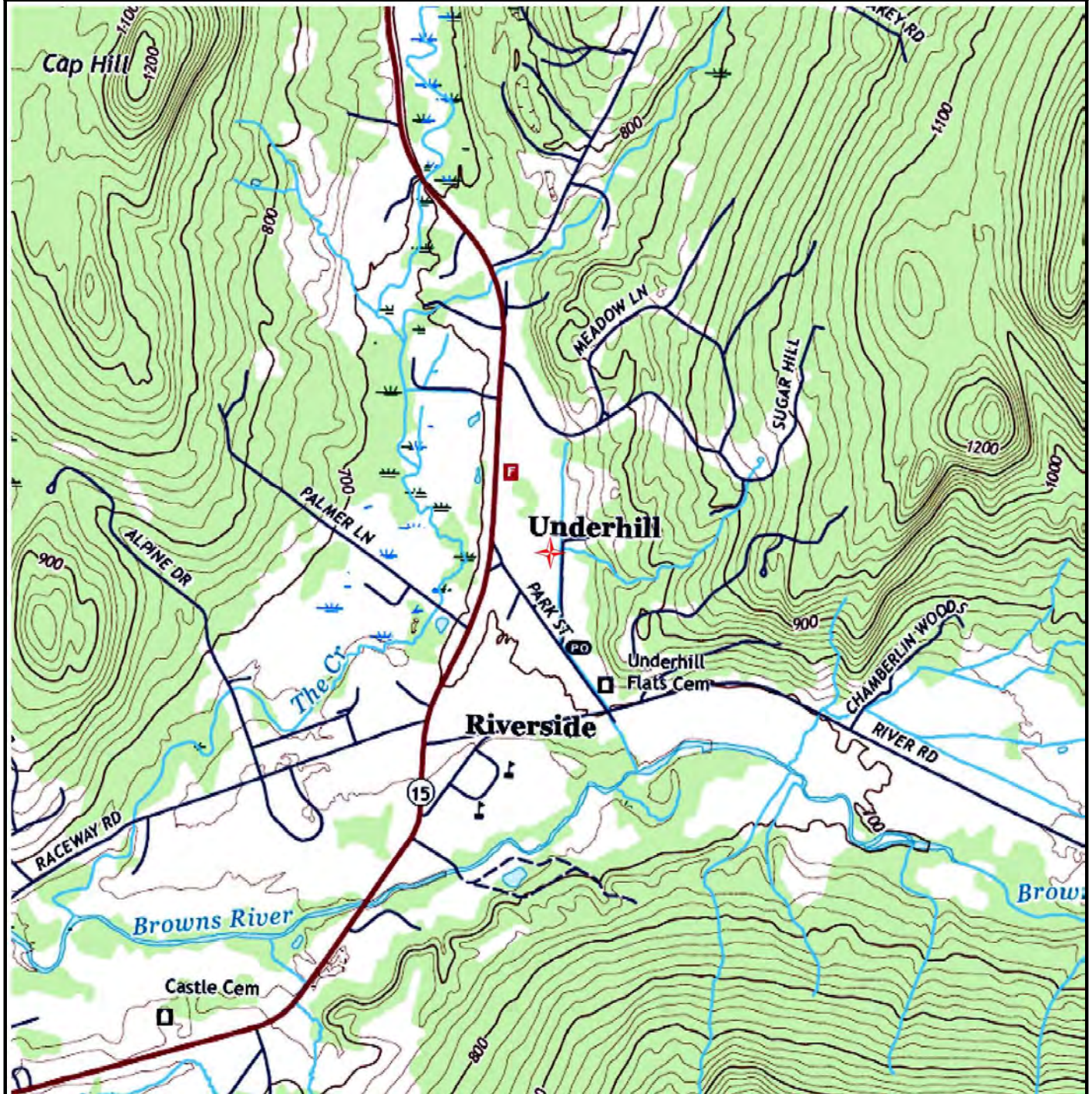
MAP NAME: Underhill

MAP YEAR: 2018

REVISION YEAR: N/R

SCALE: 1 : 24000

Part 1





APPENDIX C

REGULATORY RECORDS DOCUMENTATION



Government Records Report | 2021

Order Number: 51718

Report Generated: 03/03/2021

Project Name: Underhill Affordable Housing Project

Project Number: 503210610

Underhill Affordable Housing Project

85 Harvest Run

Underhill, Vermont 05489

2 Corporate Drive
Suite 450
Shelton, CT 06484
Toll Free: 866-211-2028
www.envirositecorp.com

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<u>Executive Summary by Distance</u>	<u>2</u>
<u>Executive Summary by Database</u>	<u>3</u>
<u>Property Proximity Map</u>	<u>9</u>
<u>Area Map</u>	<u>10</u>
<u>Map Findings Summary</u>	<u>11</u>
<u>Map Findings</u>	<u>16</u>
<u>Unmappable Summary</u>	<u>32</u>
<u>Environmental Records Searched</u>	<u>33</u>
<u>Geological Landscape Section</u>	<u>50</u>
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<u>Geological Landscape Section Map Findings Radon</u>	<u>106</u>
<u>Geological Landscape Records Searched</u>	<u>107</u>

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Envirosite Corporation has conducted a search of all reasonably ascertainable records in accordance with EPA's AAI (40 CFR Part 312) requirements and the ASTM E-1527-13 Environmental Site Assessments standard.

SUBJECT PROPERTY INFORMATION:**ADDRESS:**

Underhill Affordable Housing Project
85 Harvest Run
Underhill, Vermont 05489

COORDINATES:

Latitude (North):	44.525309 - 44°31'31.1"
Longitude (West):	-72.942831 - -72°56'34.2"
Universal Transverse Mercator:	Zone 18N
UTM X (Meters):	663470.19
UTM Y (Meters):	4932278.71

ELEVATION:

Elevation:	702.497 ft. above sea level
------------	-----------------------------

USGS TOPOGRAPHIC MAP ASSOCIATED WITH SUBJECT PROPERTY:

Subject Property Map: 44072-E8 Underhill, VT
Most Recent Revision: 2018

<u>MAP ID</u>	<u>SITE NAME</u>	<u>ADDRESS</u>	<u>DATABASE(S)</u>	<u>RELATIVE ELEVATION</u>	<u>DIRECTION / DISTANCE</u>
1	United Church of Christ	9 Park St	SHWS - VT	Higher	W / 0.094 mi.
A2	Greenia Residence	Park & Depot	HIST SPILLS - VT, LAST - VT	Higher	SSW / 0.113 mi.
A3	FIRST STEP PRINT SHOP	22 PARK ST	ECHO, FRS, HWG - VT, RCRA_VSQG	Higher	S / 0.145 mi.
4	Tonn Residence	7 Gar Place	UST - VT	Higher	SW / 0.149 mi.
A5	FAIRPOINT UNDERHILL DIAL OFC (FPT...	24 PARK ST (JERICHO)	HIST T 2 - VT	Higher	S / 0.175 mi.
6	McDevitt Residence	35 Maple Ridge Road	UST - VT	Higher	ESE / 0.220 mi.
7	GREEN MOUNT LUMBER	N/A	SHWS - VT	Lower	SSE / 0.351 mi.
8	Village Service And Auto	Rt 15, Box 111	SHWS - VT	Higher	NNW / 0.457 mi.
9	Nadeau Residence Furtado Residence	38 Palmer Lane	SHWS - VT, UST - VT	Higher	W / 0.459 mi.
10	Big Johns Riverside Store	Route 15	SHWS - VT	Lower	SW / 0.598 mi.

SUBJECT PROPERTY SEARCH RESULTS:

The subject property was not listed in any of the databases searched by Envirosite Corporation.

SEARCH RESULTS:**FEDERAL RCRA GENERATORS LIST**

RCRA_VSQG: Resource Conservation and Recovery Act listing of licensed very small quantity generators. **1 SITE FOUND WITHIN .25 MILE**

EQUAL/HIGHER ELEVATION

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
A3	FIRST STEP PRINT SHOP	22 PARK ST	S / 0.145 mi.	17
	- ID: VTR000013813	Status: No Violation/Inspections	Date: N/A	

STATE AND TRIBAL REGISTERED STORAGE TANK LISTS

UST - VT: Registered Underground Storage Tanks **2 SITES FOUND WITHIN .25 MILE**

EQUAL/HIGHER ELEVATION

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
4	Tonn Residence	7 Gar Place	SW / 0.149 mi.	22
	- ID: Facility ID 5550674	Status: PULLED	Date: N/A	
	- ID: Tank ID 18890	Status: PULLED	Date: N/A	
6	McDevitt Residence	35 Maple Ridge Road	ESE / 0.220 mi.	25
	- ID: Facility ID 5550813	Status: PULLED	Date: N/A	
	- ID: Tank ID 17193	Status: PULLED	Date: N/A	

STATE RCRA GENERATORS LIST

HWG - VT: Hazardous waste generator listing **1 SITE FOUND WITHIN .25 MILE**

EQUAL/HIGHER ELEVATION

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
A3	FIRST STEP PRINT SHOP	22 PARK ST	S / 0.145 mi.	17
	- ID: EPA ID VTR000013813	Status: VSG	Date: N/A	

STATE AND TRIBAL LEAKING STORAGE TANK LISTS

LAST - VT: Aboveground Storage Tank with releases/ leaks **1 SITE FOUND WITHIN .5 MILE**

EQUAL/HIGHER ELEVATION

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
A2	Greenia Residence	Park & Depot	SSW / 0.113 mi.	16
	- ID: WMD340	Status: N/A	Date: Date Closed 1997-10-24	

STATE- AND TRIBAL - EQUIVALENT CERCLIS

SHWS - VT: State Hazardous Waste sites recorded in the state **5 SITES FOUND WITHIN 1 MILE**

EQUAL/HIGHER ELEVATION

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
1	United Church of Christ	9 Park St	W / 0.094 mi.	16
	- ID: 20002777	Status: N/R	Date: Record Last Updated 05/09/2005	

STATE- AND TRIBAL - EQUIVALENT CERCLIS (cont.)SHWS - VT: State Hazardous Waste sites recorded in the state **5 SITES FOUND WITHIN 1 MILE****EQUAL/HIGHER ELEVATION (cont.)**

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
8	Village Service And Auto - ID: 972213	Rt 15, Box 111 Status: Voluntary Action	NNW / 0.457 mi. Date: Record Last Updated 10/30/2020	27
9	Nadeau Residence Furtado Residence - ID: 982489	38 Palmer Lane Status: N/R	W / 0.459 mi. Date: Record Last Updated N/R	28

LOWER ELEVATION

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
7	GREEN MOUNT LUMBER - ID: 900583	N/A Status: N/R	SSE / 0.351 mi. Date: Record Last Updated 10/03/2017	26
10	Big Johns Riverside Store - ID: 951889	Route 15 Status: Voluntary Action	SW / 0.598 mi. Date: Record Last Updated 10/01/2015	31

RECORDS OF EMERGENCY RELEASE REPORTSHIST SPILLS - VT: Remediated Spills **1 SITE FOUND WITHIN .125 MILE****EQUAL/HIGHER ELEVATION**

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
A2	Greenia Residence - ID: WMD340	Park & Depot Status: N/A	SSW / 0.113 mi. Date: Date Closed 1997-10- 24	16

OTHER ASCERTAINABLE RECORDSHIST T 2 - VT: Historical List of facilities that submit an Emergency and Hazardous Chemical Inventory Form **1 SITE FOUND WITHIN . 25 MILE****EQUAL/HIGHER ELEVATION**

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
A5	FAIRPOINT UNDERHILL DIAL OFC (FPT- VT474806) FAIRPOINT UNDERHILL DIAL OFC (VT474806)	24 PARK ST (JERICHO)	S / 0.175 mi.	23

Following sites were unable to be mapped.

<u>SITE NAME:</u>	<u>ADDRESS, CITY, ZIP:</u>	<u>DATABASE(S):</u>
VERIZON	PARK STREET, UNDERHILL 05489	AST - VT

DATABASE(S) WITH NO MAPPED SITES:**FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST**

ARCHIVED RCRA TSDF	Archived Resource Conservation and Recovery Act: Treatment Storage and Disposal Facilities
RCRA_TSDF	Resource Conservation and Recovery Act: Treatment Storage and Disposal Facilities

FEDERAL CERCLIS LIST

CERCLIS NFRAP	Comprehensive Environmental Response Compensation and Liability Act No Further Remedial Action Planned
CERCLIS-HIST	Comprehensive Environmental Response Compensation and Liability Act
FEDERAL FACILITY	Federal Facility sites
SEMS_8R_ACTIVE SITES	Sites on SEMS Active Site Inventory
SEMS_8R_ARCHIVED SITES	Sites on SEMS Archived Site Inventory

FEDERAL RCRA CORRACTS FACILITIES LIST

CORRACTS	Hazardous Waste Corrective Action
HIST CORRACTS 2	Historical Hazardous Waste Corrective Action

FEDERAL DELISTED NPL SITE LIST

DELISTED NPL	Delisted National Priority List
DELISTED PROPOSED NPL	Delisted proposed National Priority List
SEMS_DELETED NPL	Sites Deleted from National Priorities List

FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

EPA LF MOP	EPA Landfill Methane Outreach Project Database
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FEDERAL ERNS LIST

ERNS	Emergency Response Notification System
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FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

FED E C	Engineering Controls
FED I C	Institutional Controls
RCRA IC_EC	RCRA sites with Institutional and Engineering Controls

FEDERAL RCRA GENERATORS LIST

HIST RCRA_CESQG	Historical Resource Conservation and Recovery Act_Conditionally Exempt Small Quantity Generators
HIST RCRA_LQG	Historical Resource Conservation and Recovery Act_Large Quantity Generators
HIST RCRA_NONGEN	Historical Resource Conservation and Recovery Act_Non Generators
HIST RCRA_SQG	Historical Resource Conservation and Recovery Act_Small Quantity Generators
RCRA_LQG	Resource Conservation and Recovery Act_Large Quantity Generators
RCRA_NONGEN	Resource Conservation and Recovery Act_Non Generators
RCRA_SQG	Resource Conservation and Recovery Act_Small Quantity Generators

FEDERAL NPL SITE LIST

NPL	National Priority List
NPL EPA R1 GIS	GIS for EPA Region 1 NPL
NPL EPA R3 GIS	GIS for EPA Region 3 NPL
NPL EPA R6 GIS	GIS for EPA Region 6 NPL
NPL EPA R8 GIS	GIS for EPA Region 8 NPL
NPL EPA R9 GIS	GIS for EPA Region 9 NPL
PART NPL	Part National Priority List
PROPOSED NPL	Proposed National Priority List
SEMS_FINAL NPL	Sites included on the Final National Priorities List
SEMS_PROPOSED NPL	Sites Proposed to be Added to the National Priorities List

STATE AND TRIBAL REGISTERED STORAGE TANK LISTS

FEMA UST	FEMA Underground Storage Tanks
INDIAN UST R1	Underground Storage Tanks on Indian Land in EPA Region 1
INDIAN UST R10	Underground Storage Tanks on Indian Land in EPA Region 10
INDIAN UST R2	Underground Storage Tanks on Indian Land in EPA Region 2
INDIAN UST R4	Underground Storage Tanks on Indian Land in EPA Region 4
INDIAN UST R5	Underground Storage Tanks on Indian Land in EPA Region 5
INDIAN UST R6	Underground Storage Tanks on Indian Land in EPA Region 6
INDIAN UST R7	Underground Storage Tanks on Indian Land in EPA Region 7
INDIAN UST R8	Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN UST R9	Underground Storage Tanks on Indian Land in EPA Region 9
AST - VT	Aboveground Storage Tanks

STATE AND TRIBAL BROWNFIELD SITES

TRIBAL BROWNFIELDS	Tribal Brownfields
BROWNFIELDS - VT	Brownfield

STATE INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

I C - VT	Institutional Controls
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STATE AND TRIBAL LEAKING STORAGE TANK LISTS

INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land in EPA Region 1
INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land in EPA Region 10
INDIAN LUST R2	Leaking Underground Storage Tanks on Indian Land in EPA Region 2
INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land in EPA Region 4
INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land in EPA Region 5
INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land in EPA Region 6
INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land in EPA Region 7
INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land in EPA Region 9
LUST - VT	Leaking Underground Storage Tanks

STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

SWF/LF - VT	Solid Waste Facilities and Landfills
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LOCAL BROWNFIELD LISTS

BROWNFIELDS-ACRES	EPA ACRES Brownfields
FED BROWNFIELDS	Federal Brownfields

LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES

FED CDL	DOJ Clandestine Drug Labs
US HIST CDL	Historical Clandestine Drug Labs

LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES

HIST INDIAN ODI R8	Historical Open Dump Inventory
INDIAN ODI R8	Open Dump Inventory
ODI	Open Dump Inventory
TRIBAL ODI	Indian Open Dump Inventory Sites
SWRCY - VT	Solid Waste Recycling

RECORDS OF EMERGENCY RELEASE REPORTS

HMIRS (DOT)	Hazardous Materials Information Reporting Systems
SPILLS - VT	Spills

LOCAL LAND RECORDS

LIENS 2	CERCLA Lien Information
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OTHER ASCERTAINABLE RECORDS

AFS	Air Facility Systems
ALT FUELING	Alternative Fueling Stations
AST PBS	ASTs at Bulk Petroleum Terminals

OTHER ASCERTAINABLE RECORDS (cont.)

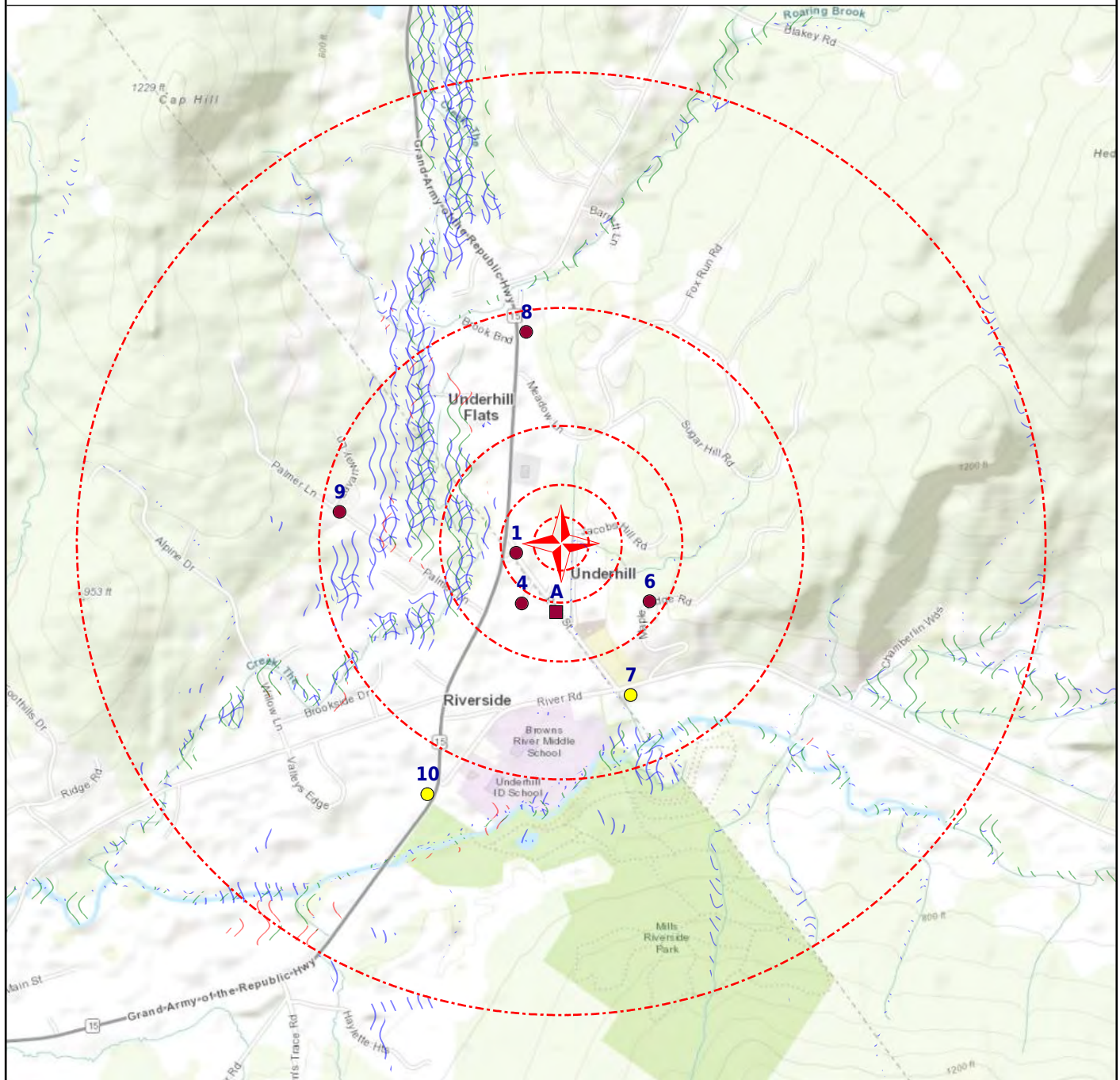
BRS	Biennial Reporting Systems
CDC HAZDAT	Hazardous Substance Release and Health Effects Information
COAL ASH DOE	Coal Ash: Department of Energy
COAL ASH EPA	Coal Ash: Environmental Protection Agency
COAL GAS	Coal Gas Plants
CONSENT (DECREEES)	Superfund Consent Decree
CORRECTIVE ACTIONS_2020	Wastes - Hazardous Waste - Corrective Action
DEBRIS R5 LF	Disaster Debris Landfill Data
DEBRIS R5 SWRCY	Disaster Debris Recovery Data
DOD	Department of Defense
DOT OPS	Department of Transportation Office of Pipeline Safety
ECHO	EPA Enforcement and Compliance History Online
ENOI	Electronic Notice of Intent
EPA FUELS	EPA Fuels Registration, Reporting, and Compliance List
EPA OSC	EPA On-Site Coordinator
EPA WATCH	EPA Watch List
FA HWF	Financial Assurance for Hazardous Waste Facilities
FEDLAND	Federal Lands
FRS	Facility Index Systems
FTTS	FIFRA/TSCA Tracking System
FTTS INSP	FIFRA/TSCA Tracking System: Inspections
FUDS	Formerly Used Defense Sites
HIST AFS	Historical Air Facility Systems
HIST AFS 2	Historical Air Facility Systems
HIST DOD	Department of Defense historical sites
HIST LEAD_SMELTER	Historical Lead Smelter Sites
HIST MLTS	Historical Material Licensing Tracking Systems
HIST PCB TRANS	Historical Polychlorinated Biphenyl (PCB) Facilities
HIST PCS ENF	Historical Enforced Permit Compliance Facilities
HIST PCS FACILITY	Historical Permit Compliance Facilities
HIST SSTS	Historical Section 7 Tracking Systems
HWC DOCKET	Hazardous Waste Compliance Docket
ICIS	Integrated Compliance Information System
INACTIVE PCS	Inactive Permit Compliance Facilities
INDIAN RESERVATION	Indian Reservations
LUCIS	Land Use Control Information Systems
LUCIS 2	Land Use Control Information Systems 2
MINES	Mines
MINES USGS	Mines list from USGS
MLTS	Material Licensing Tracking Systems
NPL AOC	Areas related to NPL remediation sites
NPL LIENS	National Priority List Liens
OSHA	Occupational Safety & Health Administration
PADS	PCB Activity Database Systems
PCB TRANSFORMER	Polychlorinated Biphenyl (PCB) Waste
PCS ENF	Enforced Permit Compliance Facilities
PCS FACILITY	Permit Compliance Facilities
RAATS	RCRA Administrative Action Tracking Systems
RADINFO	Radiation Information Systems
RMP	Risk Management Plans
ROD	Record of Decision
SCRD DRYCLEANERS	SCRD Drycleaners
SEMS_SMELTER	Sites on SEMS Potential Smelter Activity
SSTS	Section 7 Tracking Systems
STORMWATER	Storm Water Permits
TOSCA-PLANT	Toxic Substance Control Act: Plants
TRIS	Toxic Release Inventory Systems
UMTRA	Uranium Mill Tailing Sites

OTHER ASCERTAINABLE RECORDS (cont.)

VAPOR	EPA Vapor Intrusion
AIRS - VT	Air Permits
DAYCARE - VT	Day Care Facilities
DRYCLEANERS - VT	Drycleaners
DRYCLEANERS 2 - VT	Drycleaners 2
MANIFEST - VT	Hazardous Waste Manifest
NPDES - VT	State Wastewater and NPDES Permits
T 2 - VT	Tier 2
UIC - VT	Underground Injection Controls

SUBJECT NAME: Underhill Affordable Housing Project
 ADDRESS: 85 Harvest Run, Underhill, Vermont, 05489
 LAT/LONG: 44.525309 / -72.942831

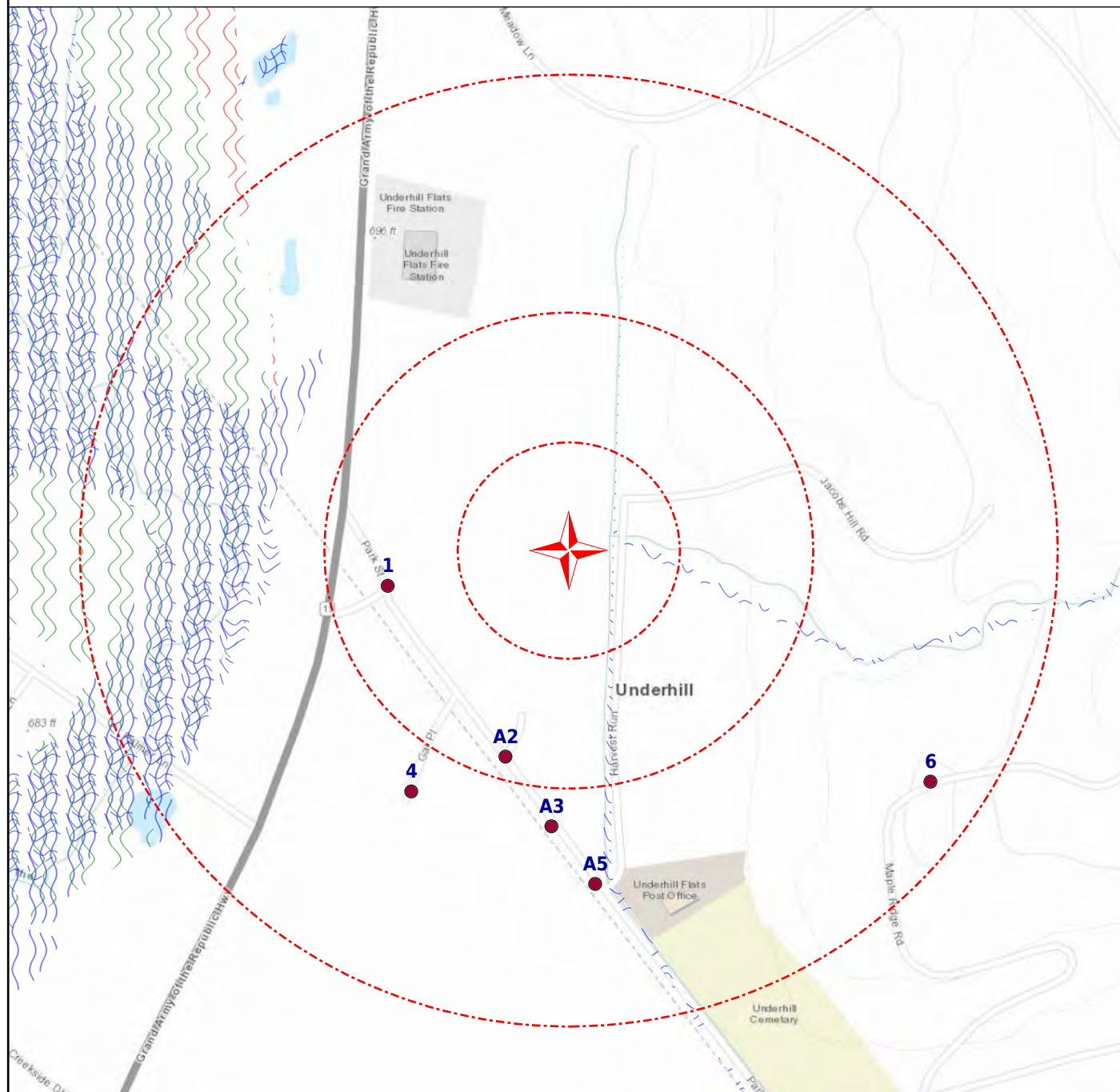
PREPARED FOR: KAS, Inc.
 ORDER #: 51718
 REPORT DATE: March 03, 2021



- | | | | |
|------------------------------------|--------------------------------|----------------------------|--------------------------------|
| ★ Subject Property | ● Equal/Higher Elevation | ● Lower Elevation | ⚠ CDC HAZDAT (No Data) |
| ■ Department of Defense (No Data) | ⋈ DFIRM Floodzone 100 | ⋈ DFIRM Floodzone 500 | ■ Federal Lands (No Data) |
| 🌊 FEMA FloodZone 100 (No Data) | 🌊 FEMA FloodZone 500 (No Data) | 🌊 Historical DOD (No Data) | 🏠 Indian Reservation (No Data) |
| 📋 National Priority List (No Data) | 🌊 NWI | 🌊 WetLands | |

SUBJECT NAME: Underhill Affordable Housing Project
 ADDRESS: 85 Harvest Run, Underhill, Vermont, 05489
 LAT/LONG: 44.525309 / -72.942831

PREPARED FOR: KAS, Inc.
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|------------------------------------|--------------------------------|----------------------------|--------------------------------|
| ★ Subject Property | ● Equal/Higher Elevation | ● Lower Elevation | ⚠ CDC HAZDAT (No Data) |
| ■ Department of Defense (No Data) | ⊘ DFIRM FloodZone 100 | ⊘ DFIRM FloodZone 500 | ■ Federal Lands (No Data) |
| ⊘ FEMA FloodZone 100 (No Data) | ⊘ FEMA FloodZone 500 (No Data) | ■ Historical DOD (No Data) | ▲ Indian Reservation (No Data) |
| ■ National Priority List (No Data) | ⊘ NWI | ⊘ Wetlands | |

<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u><1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>>1</u>	<u>TOTAL MAPPED</u>
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FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST

ARCHIVED RCRA TSDF		0.500	0	0	0	--	--	0
RCRA_TSDF		0.500	0	0	0	--	--	0

FEDERAL CERCLIS LIST

CERCLIS NFRAP		0.500	0	0	0	--	--	0
CERCLIS-HIST		0.500	0	0	0	--	--	0
FEDERAL FACILITY		1.000	0	0	0	0	--	0
SEMS_8R_ACTIVE SITES		0.500	0	0	0	--	--	0
SEMS_8R_ARCHIVED SITES		0.500	0	0	0	--	--	0

FEDERAL RCRA CORRACTS FACILITIES LIST

CORRACTS		1.000	0	0	0	0	--	0
HIST CORRACTS 2		1.000	0	0	0	0	--	0

FEDERAL DELISTED NPL SITE LIST

DELISTED NPL		1.000	0	0	0	0	--	0
DELISTED PROPOSED NPL		1.000	0	0	0	0	--	0
SEMS_DELETED NPL		1.000	0	0	0	0	--	0

FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

EPA LF MOP		0.500	0	0	0	--	--	0
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FEDERAL ERNS LIST

ERNS		SP	0	--	--	--	--	0
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FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

FED E C		0.500	0	0	0	--	--	0
FED I C		0.500	0	0	0	--	--	0
RCRA IC_EC		0.250	0	0	--	--	--	0

FEDERAL RCRA GENERATORS LIST

HIST RCRA_CESQG		0.250	0	0	--	--	--	0
HIST RCRA_LQG		0.250	0	0	--	--	--	0
HIST RCRA_NONGEN		0.250	0	0	--	--	--	0
HIST RCRA_SQG		0.250	0	0	--	--	--	0
RCRA_LQG		0.250	0	0	--	--	--	0
RCRA_NONGEN		0.250	0	0	--	--	--	0
RCRA_SQG		0.250	0	0	--	--	--	0
RCRA_VSQG		0.250	0	1	--	--	--	1

<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u><1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>>1</u>	<u>TOTAL MAPPED</u>
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FEDERAL NPL SITE LIST

NPL		1.000	0	0	0	0	--	0
NPL EPA R1 GIS		1.000	0	0	0	0	--	0
NPL EPA R3 GIS		1.000	0	0	0	0	--	0
NPL EPA R6 GIS		1.000	0	0	0	0	--	0
NPL EPA R8 GIS		1.000	0	0	0	0	--	0
NPL EPA R9 GIS		1.000	0	0	0	0	--	0
PART NPL		1.000	0	0	0	0	--	0
PROPOSED NPL		1.000	0	0	0	0	--	0
SEMS_FINAL NPL		1.000	0	0	0	0	--	0
SEMS_PROPOSED NPL		1.000	0	0	0	0	--	0

STATE AND TRIBAL REGISTERED STORAGE TANK LISTS

FEMA UST		0.250	0	0	--	--	--	0
INDIAN UST R1		0.250	0	0	--	--	--	0
INDIAN UST R10		0.250	0	0	--	--	--	0
INDIAN UST R2		0.250	0	0	--	--	--	0
INDIAN UST R4		0.250	0	0	--	--	--	0
INDIAN UST R5		0.250	0	0	--	--	--	0
INDIAN UST R6		0.250	0	0	--	--	--	0
INDIAN UST R7		0.250	0	0	--	--	--	0
INDIAN UST R8		0.250	0	0	--	--	--	0
INDIAN UST R9		0.250	0	0	--	--	--	0
AST - VT		0.250	0	0	--	--	--	0
UST - VT		0.250	0	2	--	--	--	2

STATE AND TRIBAL BROWNFIELD SITES

TRIBAL BROWNFIELDS		0.500	0	0	0	--	--	0
BROWNFIELDS - VT		0.500	0	0	0	--	--	0

STATE RCRA GENERATORS LIST

HWG - VT		0.250	0	1	--	--	--	1
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STATE INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

I C - VT		0.500	0	0	0	--	--	0
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STATE AND TRIBAL LEAKING STORAGE TANK LISTS

INDIAN LUST R1		0.500	0	0	0	--	--	0
INDIAN LUST R10		0.500	0	0	0	--	--	0
INDIAN LUST R2		0.500	0	0	0	--	--	0

<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u><1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>>1</u>	<u>TOTAL MAPPED</u>
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STATE AND TRIBAL LEAKING STORAGE TANK LISTS (cont.)

INDIAN LUST R4		0.500	0	0	0	--	--	0
INDIAN LUST R5		0.500	0	0	0	--	--	0
INDIAN LUST R6		0.500	0	0	0	--	--	0
INDIAN LUST R7		0.500	0	0	0	--	--	0
INDIAN LUST R8		0.500	0	0	0	--	--	0
INDIAN LUST R9		0.500	0	0	0	--	--	0
LAST - VT		0.500	1	0	0	--	--	1
LUST - VT		0.500	0	0	0	--	--	0

STATE- AND TRIBAL - EQUIVALENT CERCLIS

SHWS - VT		1.000	1	0	3	1	--	5
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STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

SWF/LF - VT		0.500	0	0	0	--	--	0
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LOCAL BROWNFIELD LISTS

BROWNFIELDS-ACRES		0.500	0	0	0	--	--	0
FED BROWNFIELDS		0.500	0	0	0	--	--	0

LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES

FED CDL		SP	0	--	--	--	--	0
US HIST CDL		SP	0	--	--	--	--	0

LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES

HIST INDIAN ODI R8		0.500	0	0	0	--	--	0
INDIAN ODI R8		0.500	0	0	0	--	--	0
ODI		0.500	0	0	0	--	--	0
TRIBAL ODI		0.500	0	0	0	--	--	0
SWRCY - VT		0.500	0	0	0	--	--	0

RECORDS OF EMERGENCY RELEASE REPORTS

HMIRS (DOT)		SP	0	--	--	--	--	0
HIST SPILLS - VT		0.125	1	--	--	--	--	1
SPILLS - VT		0.125	0	--	--	--	--	0

LOCAL LAND RECORDS

LIENS 2		SP	0	--	--	--	--	0
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OTHER ASCERTAINABLE RECORDS

AFS		SP	0	--	--	--	--	0
-----	--	----	---	----	----	----	----	---

<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u><1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>>1</u>	<u>TOTAL MAPPED</u>
OTHER ASCERTAINABLE RECORDS (cont.)								
ALT FUELING		0.250	0	0	--	--	--	0
AST PBS		0.250	0	0	--	--	--	0
BRS		SP	0	--	--	--	--	0
CDC HAZDAT		1.000	0	0	0	0	--	0
COAL ASH DOE		0.500	0	0	0	--	--	0
COAL ASH EPA		0.500	0	0	0	--	--	0
COAL GAS		1.000	0	0	0	0	--	0
CONSENT (DECREEES)		1.000	0	0	0	0	--	0
CORRECTIVE ACTIONS_2020		0.500	0	0	0	--	--	0
DEBRIS R5 LF		0.500	0	0	0	--	--	0
DEBRIS R5 SWRCY		0.500	0	0	0	--	--	0
DOD		1.000	0	0	0	0	--	0
DOT OPS		SP	0	--	--	--	--	0
ECHO		SP	0	--	--	--	--	0
ENOI		SP	0	--	--	--	--	0
EPA FUELS		SP	0	--	--	--	--	0
EPA OSC		0.125	0	--	--	--	--	0
EPA WATCH		SP	0	--	--	--	--	0
FA HWF		SP	0	--	--	--	--	0
FEDLAND		1.000	0	0	0	0	--	0
FRS		SP	0	--	--	--	--	0
FTTS		SP	0	--	--	--	--	0
FTTS INSP		SP	0	--	--	--	--	0
FUDS		1.000	0	0	0	0	--	0
HIST AFS		SP	0	--	--	--	--	0
HIST AFS 2		SP	0	--	--	--	--	0
HIST DOD		1.000	0	0	0	0	--	0
HIST LEAD_SMELTER		SP	0	--	--	--	--	0
HIST MLTS		SP	0	--	--	--	--	0
HIST PCB TRANS		SP	0	--	--	--	--	0
HIST PCS ENF		SP	0	--	--	--	--	0
HIST PCS FACILITY		SP	0	--	--	--	--	0
HIST SSTS		SP	0	--	--	--	--	0
HWC DOCKET		SP	0	--	--	--	--	0
ICIS		SP	0	--	--	--	--	0
INACTIVE PCS		SP	0	--	--	--	--	0

<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u><1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>>1</u>	<u>TOTAL MAPPED</u>
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OTHER ASCERTAINABLE RECORDS (cont.)

INDIAN RESERVATION		1.000	0	0	0	0	--	0
LUCIS		0.500	0	0	0	--	--	0
LUCIS 2		0.500	0	0	0	--	--	0
MINES		0.250	0	0	--	--	--	0
MINES USGS		0.250	0	0	--	--	--	0
MLTS		SP	0	--	--	--	--	0
NPL AOC		1.000	0	0	0	0	--	0
NPL LIENS		SP	0	--	--	--	--	0
OSHA		SP	0	--	--	--	--	0
PADS		SP	0	--	--	--	--	0
PCB TRANSFORMER		SP	0	--	--	--	--	0
PCS ENF		SP	0	--	--	--	--	0
PCS FACILITY		SP	0	--	--	--	--	0
RAATS		SP	0	--	--	--	--	0
RADINFO		SP	0	--	--	--	--	0
RMP		0.500	0	0	0	--	--	0
ROD		1.000	0	0	0	0	--	0
SCRD DRYCLEANERS		0.250	0	0	--	--	--	0
SEMS_SMELTER		SP	0	--	--	--	--	0
SSTS		SP	0	--	--	--	--	0
STORMWATER		SP	0	--	--	--	--	0
TOSCA-PLANT		SP	0	--	--	--	--	0
TRIS		SP	0	--	--	--	--	0
UMTRA		0.500	0	0	0	--	--	0
VAPOR		0.500	0	0	0	--	--	0
AIRS - VT		SP	0	--	--	--	--	0
DAYCARE - VT		SP	0	--	--	--	--	0
DRYCLEANERS - VT		0.250	0	0	--	--	--	0
DRYCLEANERS 2 - VT		0.250	0	0	--	--	--	0
HIST T 2 - VT		0.250	0	1	--	--	--	1
MANIFEST - VT		0.250	0	0	--	--	--	0
NPDES - VT		SP	0	--	--	--	--	0
T 2 - VT		0.250	0	0	--	--	--	0
UIC - VT		SP	0	--	--	--	--	0

Map Id: 1
 Direction: W
 Distance: 0.094 mi.
 Actual: 495.013 ft.
 Elevation: 0.134 mi. / 705.315 ft.
 Relative: Higher

Site Name : United Church of Christ
 9 Park St
 Underhill, VT
Database(s) : [SHWS - VT]

EnviroSite ID: 6506438
EPA ID: N/R

SHWS - VT

Facility Name : United Church of Christ
 Facility Address : 9 Park St, Underhill
 County : Chittenden

Discovery Date : 06/21/2000
 Closure Date : 03/16/2001
 Site Number : 20002777
 Site Use : Other
 Priority : SMAC - Site Management Activities Completed
 Site Status : N/R

Project Status : UST removed. Contam found. Investigation complete. Minor soil impact adjacent to UST. No impact to groundwater. SMAC

Source of Contamination : UST-Heating Oil
 Contaminant : N/R
 Institutional Control : N/R
 Site Closure Date : 03/16/2001
 Record Last Updated : 05/09/2005
 DEC Manager : Gerold Noyes
 DEC Staff Person : Gerold Noyes
 DEC Contact Email Address : Gerold.Noyes@vermont.gov
 Latitude : 44.52517921
 Longitude : -72.9445257
 Last Date in Agency List : 11/10/2020

Map Id: A2
 Direction: SSW
 Distance: 0.113 mi.
 Actual: 596.719 ft.
 Elevation: 0.134 mi. / 705.266 ft.
 Relative: Higher

Site Name : Greenia Residence
 Park & Depot
 Underhill, VT
Database(s) : [HIST SPILLS - VT, LAST - VT]

EnviroSite ID: 6507643
EPA ID: N/R

HIST SPILLS - VT

Facility Name : Greenia Residence
 Facility Address : Park & Depot, Underhill

Date Reported : 1997-09-30
 Date Closed : 1997-10-24
 Spill Number : WMD340
 Report Number : WMD340
 Year : 1997
 Responsible Party : Gordon Fuel Supply
 Nature of Incident : Spill While Moving Aboveground Tank
 Product : #2
 Contaminants : N/R
 Quantity : 150 Gallons
 Spill Manager : Marc Coleman
 Comments : N/A

Map Id: A2
 Direction: SSW
 Distance: 0.113 mi.
 Actual: 596.719 ft.
 Elevation: 0.134 mi. / 705.266 ft.
 Relative: Higher

Site Name : Greenia Residence
 Park & Depot
 Underhill, VT
Database(s) : [HIST SPILLS - VT, LAST - VT] **(cont.)**

EnviroSite ID: 6507643
EPA ID: N/R

HIST SPILLS - VT (cont.)

Actions Taken : R P Clean Up, Hired EPS.
 DEC Contact Email Address : Chuck.Schwer@vermont.gov
 Last Date in Agency List : 2021-02-23

LAST - VT

Facility Name : Greenia Residence
 Facility Address : Park & Depot, Underhill

Date Reported : 1997-09-30
 Date Closed : 1997-10-24
 Spill Number : WMD340
 Report Number : WMD340
 Year : 1997
 Responsible Party : Gordon Fuel Supply
 Nature of Incident : Spill While Moving Aboveground Tank
 Product : #2
 Contaminants : N/R
 Quantity : 150 Gallons
 Spill Manager : Marc Coleman
 Comments : N/A
 Actions Taken : R P Clean Up, Hired EPS.
 DEC Contact Email Address : Chuck.Schwer@vermont.gov
 Last Date in Agency List : 2021-02-23

Map Id: A3
 Direction: S
 Distance: 0.145 mi.
 Actual: 764.337 ft.
 Elevation: 0.133 mi. / 703.215 ft.
 Relative: Higher

Site Name : FIRST STEP PRINT SHOP
 22 PARK ST
 UNDERHILL, VT 05489
Database(s) : [ECHO, FRS, HWG - VT, RCRA_VSQQ]

EnviroSite ID: 6509936
EPA ID: N/R

ECHO

Facility Name : FIRST STEP PRINT SHOP
 Facility Address : 22 PARK ST, UNDERHILL, VT 05489
 County : CHITTENDEN

Last Inspection Date : N/R
 Registry ID : 110005299168
 FIPS Code : 50007
 EPA Region : 01
 Inspection Count : 0
 Last Inspection Days : N/R
 Informal Count : 0
 Last Informal Action Date : N/R
 Formal Action Count : 0
 Last Formal Action Date : N/R
 Total Penalties : 0

Map Id: A3
 Direction: S
 Distance: 0.145 mi.
 Actual: 764.337 ft.
 Elevation: 0.133 mi. / 703.215 ft.
 Relative: Higher

Site Name : FIRST STEP PRINT SHOP
 22 PARK ST
 UNDERHILL, VT 05489
Database(s) : [ECHO, FRS, HWG - VT, RCRA_VSQG]
(cont.)

EnviroSite ID: 6509936
EPA ID: N/R

ECHO (cont.)

Penalty Count :	N/R
Last Penalty Date :	N/R
Last Penalty Amount :	N/R
QTRS IN NC :	0
Programs IN SNC :	0
Current Compliance Status :	No Violation Identified
Three-Year Compliance Status :	
Collection Method :	ADDRESS MATCHING-HOUSE NUMBER
Reference Point :	ENTRANCE POINT OF A FACILITY OR STATION
Accuracy Meters :	50
Derived Tribes :	N/R
Derived HUC :	02010005
Derived WBD :	N/R
Derived STCTY FIPS :	50007
Derived Zip :	05489
Derived CD113 :	01
Derived CB2010 :	500070029002034
MYRTK Universe :	NNN
NPDES IDs :	N/R
CWA Permit Types :	N/R
CWA Compliance Tracking :	N/R
CWA NAICS :	N/R
CWA SICS :	N/R
CWA Inspection Count :	N/R
CWA Last Inspection Days :	N/R
CWA Informal Count :	N/R
CWA Formal Action Count :	N/R
CWA Last Formal Action Date :	N/R
CWA Penalties :	N/R
CWA Last Penalty Date :	N/R
CWA Last Penalty Amount :	N/R
CWA Quarters IN NC :	N/R
CWA Current Compliance Status :	N/R
CWA Current SNC Flag :	N
CWA 13 Quarters Compliance Status :	N/R
CWA 13 Quarters Effluent Exceedances:	N/R
CWA Three-Year QNCR Codes :	N/R
DFR URL :	Click here for hyperlink provided by the agency.
Facility SIC :	N/R
Facility NAICS :	32311 - Printing
Facility Last Inspection EPA Date :	N/R
Facility Last Inspection State Date :	N/R
Facility Last Formal Act EPA Date :	N/R
Facility Last Formal Act State Date :	N/R
Facility Last Informal Act EPA Date :	N/R
Facility Last Informal Act State Date:	N/R
Facility Federal Agency :	N/R
TRI Reporter :	N/R
Facility Imp Water Flag :	N/R
Current SNC Flag :	N
Indian County Flag :	N
Federal Flag :	N/R
US Mexico Border Flag :	N/R
Chesapeake Bay Flag :	N/R
AIR Flag :	N
NPDES Flag :	N

Map Id: A3
 Direction: S
 Distance: 0.145 mi.
 Actual: 764.337 ft.
 Elevation: 0.133 mi. / 703.215 ft.
 Relative: Higher

Site Name : FIRST STEP PRINT SHOP
 22 PARK ST
 UNDERHILL, VT 05489
Database(s) : [ECHO, FRS, HWG - VT, RCRA_VSQG]
(cont.)

EnviroSite ID: 6509936
EPA ID: N/R

ECHO (cont.)

SDWIS Flag : N
 RCRA Flag : Y
 TRI Flag : N
 GHG Flag : N
 Major Flag : N/R
 Active Flag : Y
 NAA Flag : N
 Latitude : 44.523229
 Longitude : -72.942971
 Last Date in Agency List : 2021-02-17

FRS

Facility Name : FIRST STEP PRINT SHOP
 Facility Address : 22 PARK ST, UNDERHILL, VT 05489
 County : CHITTENDEN

Site Details

Registry ID : 110005299168
 FRS Facility URL : [Click here for hyperlink provided by the agency.](#)
 Last Date in Agency List : 11/27/2020

Source Description

Source Description :

RCRAInfo is EPA's comprehensive information system that supports the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984 through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA. RCRAInfo also supports generation of the National Hazardous Waste Biennial Report. All generators and treatment, storage, and disposal facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years to support creation of the Biennial Report.

FRS Environmental Interest

Source and System ID : RCRAINFO - VTR000013813

HWG - VT

Facility Name : FIRST STEP PRINT SHOP
 Facility Address : 22 PARK ST, UNDERHILL, VT 05489

 EPA ID : VTR000013813
 Status : VSG
 Mailing Name : FIRST STEP PRINT SHOP
 Mailing Address : PO BOX 311, UNDERHILL, VT 05489
 Contact Name : BOB MARTELLE
 Contact Phone Number : 8028992708
 Contact Email : N/R

Map Id: A3
 Direction: S
 Distance: 0.145 mi.
 Actual: 764.337 ft.
 Elevation: 0.133 mi. / 703.215 ft.
 Relative: Higher

Site Name : FIRST STEP PRINT SHOP
 22 PARK ST
 UNDERHILL, VT 05489
Database(s) : [ECHO, FRS, HWG - VT, RCRA_VSQG]
(cont.)

Envirosite ID: 6509936
EPA ID: N/R

HWG - VT (cont.)

Comments : N/R
 Last Date in Agency List : 11/10/2020

RCRA_VSQG

Facility Name : FIRST STEP PRINT SHOP
 Facility Address : 22 PARK ST, UNDERHILL, VT 05489
 County : CHITTENDEN

Date Form Received by Agency : 04/27/2004
 EPA ID : VTR000013813
 Mailing Address : PO BOX 311, UNDERHILL, VT 05489
 Contact : BOB MARTELLE
 Contact Address : PO BOX 311, UNDERHILL, VT 05489
 Contact Country : US
 Contact Telephone : 802-899-2708
 Contact Email : N/R
 EPA Region : 01
 Land Type : Private
 Source Type : Notification
 Classification : Very Small Quantity Generator

Description :

Handlers that generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste.

Last Date in Agency List : 10/19/2020

Owner/Operator Summary

Owner/Operator Name : FIRST STEP PRINT SHOP
 Owner/Operator Address : N/R
 Owner/Operator Country : US
 Owner/Operator Telephone : N/R
 Owner/Operator Email : N/R
 Owner/Operator Fax : N/R
 Legal Status : Private
 Owner/Operator Type : Operator
 Owner/Operator Start Date : 01/01/1992
 Owner/Operator End Date : N/R

Owner/Operator Name : MARY MARTELLE
 Owner/Operator Address : 22 PARK ST, UNDERHILL, VT 05489
 Owner/Operator Country : N/R
 Owner/Operator Telephone : 802-899-2708

Map Id: A3
 Direction: S
 Distance: 0.145 mi.
 Actual: 764.337 ft.
 Elevation: 0.133 mi. / 703.215 ft.
 Relative: Higher

Site Name : FIRST STEP PRINT SHOP
 22 PARK ST
 UNDERHILL, VT 05489
Database(s) : [ECHO, FRS, HWG - VT, RCRA_VSQG]
(cont.)

EnviroSite ID: 6509936
EPA ID: N/R

RCRA_VSQG (cont.)

Owner/Operator Email :	N/R
Owner/Operator Fax :	N/R
Legal Status :	Private
Owner/Operator Type :	Owner
Owner/Operator Start Date :	01/01/1776
Owner/Operator End Date :	N/R

Handler Activities Summary

U.S. Importer of Hazardous Waste :	N
Mixed Waste (Haz. and Radioactive) :	N
Recycler of Hazardous Waste :	N
Transporter of Hazardous Waste :	N
Treater, Storer or Disposer of HW :	N
Underground Injection Activity :	N
On-site Burner Exemption :	N
Furnace Exemption :	N
Used Oil Fuel Burner :	N
Used Oil Processor :	N
Used Oil Refiner :	N
Used Oil Fuel Marketer to Burner :	N
Used Oil Specification Marketer :	N
Used Oil Transfer Facility :	N
Used Oil Transporter :	N

Historical Generators

Date Form Received by Agency :	09/22/1999
Facility Name :	FIRST STEP PRINT SHOP
Classification :	Very Small Quantity Generator

Hazardous Waste Summary

Waste Code / Name :	D011 - SILVER
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Notices of Violations Summary

Regulation Violated :	N
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Map Id: 4
 Direction: SW
 Distance: 0.149 mi.
 Actual: 788.156 ft.
 Elevation: 0.133 mi. / 703.803 ft.
 Relative: Higher

Site Name : Tonn Residence
 7 Gar Place
 Jericho, VT
Database(s) : [UST - VT]

EnviroSite ID: 6528284
EPA ID: N/R

UST - VT

Facility Name : Tonn Residence
 Facility Address : 7 Gar Place, Jericho, VT
 County : Chittenden

Site Details

Facility ID : 5550674
 Facility Status : PULLED
 Facility Phone : N/R
 Permitted to : N/R
 Owner Name : Barbara Tonn
 Owner Person : N/R
 Owner Address : 7 Gar Place, Underhill, VT 05489
 Owner Phone : N/R
 Operator Name : N/R
 Operator Person : N/R
 Operator Address : N/R
 Operator Phone : N/R
 Land Owner : Barbara Tonn
 Type of Facility : Residential
 Permit Expires : N/R
 Fee Status : N/R
 Receipt : N/R
 Tanks Pulled : 1
 Removed : 1
 GWM Wells : N/R
 Vapor Monitoring Points : N/R
 Site Condition : N/R
 Sites Number : N/R
 Pin : N/R
 Latitude : N/R
 Longitude : N/R
 Last Date in Agency List : 2021-02-03

Tank Details

Tank ID : 18890
 Tank Status : PULLED
 Tank Ext : 1984-1-R
 COT : N
 OOS : N/R
 Year Removed : 2019
 Capacity : 500
 Protection : N/R
 CP Tested : N/R
 Monitor 1 : N/R
 Monitor 2 : N/R
 Condition : GOOD
 Date Ref : N/R

Compartment

Compartment ID : 23295
 Compartment Ext : A

Map Id: 4
 Direction: SW
 Distance: 0.149 mi.
 Actual: 788.156 ft.
 Elevation: 0.133 mi. / 703.803 ft.
 Relative: Higher

Site Name : Tonn Residence
 7 Gar Place
 Jericho, VT
Database(s) : [UST - VT] **(cont.)**

EnviroSite ID: 6528284
EPA ID: N/R

UST - VT **(cont.)**

Substance : Fuel Oil #2 or #4
 Spill : N/R
 Overkill : N/R

Pipes

Piping ID : 23551
 Sequence : 1
 Type : DEFAULT
 Protection Type : N/R
 Installed : N/R
 CP Tested : N/R
 Monitor 1 : N/R
 Monitor 1 Tested Date : N/R
 Monitor 2 : N/R
 Monitor 2 Tested Date : N/R
 Pump Type : N/R

Map Id: A5
 Direction: S
 Distance: 0.175 mi.
 Actual: 925.295 ft.
 Elevation: 0.133 mi. / 702.553 ft.
 Relative: Higher

Site Name : FAIRPOINT UNDERHILL DIAL OFC (FPT- VT474806) | FAIRPOINT UNDERHILL DIAL OFC (VT474806)
 24 PARK ST (JERICHO)
 UNDERHILL, VT 05489
Database(s) : [HIST T 2 - VT]

EnviroSite ID: 6522216
EPA ID: N/R

HIST T 2 - VT

Facility Name : Fairpoint UNDERHILL DIAL OFC (FPT- VT474806)
 Facility Address : 24 PARK ST (JERICHO), UNDERHILL, VT 05489
 County : Chittenden

Site Details

Facility Record ID : FATR2016VT474806
 Facility Address 2 : 1 Davis Farm Road, Portland, ME 04103
 Report Year : 2016
 Last Date in Agency List : 10/23/2017

Chemicals Category

Category : Acute
 Chronic
 Fire
 N/R
 Reactive
 Sudden Release of Pressure

Map Id: A5
Direction: S
Distance: 0.175 mi.
Actual: 925.295 ft.
Elevation: 0.133 mi. / 702.553 ft.
Relative: Higher

Site Name : FAIRPOINT UNDERHILL DIAL OFC (FPT-VT474806) | FAIRPOINT UNDERHILL DIAL OFC (VT474806)
24 PARK ST (JERICHO)
UNDERHILL, VT 05489
Database(s) : [HIST T 2 - VT] (**cont.**)

EnviroSite ID: 6522216
EPA ID: N/R

HIST T 2 - VT (**cont.**)

Amount Details

Average Amount : 14092
Average Amount Code : 6
Maximum Amount : 14092
Maximum Amount Code : 6

Average Amount : N/R
Average Amount Code : N/R
Maximum Amount : N/R
Maximum Amount Code : N/R

Facility Name : Fairpoint UNDERHILL DIAL OFC (VT474806)
Facility Address : 24 PARK ST (JERICHO), UNDERHILL, VT 05489
County : CHITTENDEN

Site Details

Facility Record ID : FATR2012VT474806
Facility Address 2 : N/R
Report Year : 2012
Last Date in Agency List : 04/19/2013

Chemicals

Acute : T
Chronic : T
Reactive : T
Mixture : T
Pure : F
Solid : T
Liquid : T
Gas : F
Fire : T
Pressure : F

Amount Details

Average Amount : 8404
Average Amount Code : 3
Maximum Amount : 8404
Maximum Amount Code : 3

Map Id: 6
 Direction: ESE
 Distance: 0.220 mi.
 Actual: 1164.074 ft.
 Elevation: 0.152 mi. / 801.647 ft.
 Relative: Higher

Site Name : McDevitt Residence
 35 Maple Ridge Road
 Underhill, VT
Database(s) : [UST - VT]

EnviroSite ID: 6503564
EPA ID: N/R

UST - VT

Facility Name : McDevitt Residence
 Facility Address : 35 Maple Ridge Road, Underhill, VT
 County : Chittenden

Site Details

Facility ID : 5550813
 Facility Status : PULLED
 Facility Phone : N/R
 Permitted to : N/R
 Owner Name : Tom McDevitt
 Owner Person : N/R
 Owner Address : 35 Maple Ridge Road, Underhill, VT
 Owner Phone : N/R
 Operator Name : N/R
 Operator Person : N/R
 Operator Address : N/R
 Operator Phone : N/R
 Land Owner : Tom McDevitt
 Type of Facility : Residential
 Permit Expires : N/R
 Fee Status : N/R
 Receipt : N/R
 Tanks Pulled : 1
 Removed : 1
 GWM Wells : N/R
 Vapor Monitoring Points : N/R
 Site Condition : No contamination
 Sites Number : N/R
 Pin : N/R
 Latitude : N/R
 Longitude : N/R
 Last Date in Agency List : 2021-02-03

Tank Details

Tank ID : 17193
 Tank Status : PULLED
 Tank Ext : -1-1-R
 COT : n
 OOS : N/R
 Year Removed : 2011
 Capacity : 900
 Protection : N/R
 CP Tested : N/R
 Monitor 1 : N/R
 Monitor 2 : N/R
 Condition : POOR
 Date Ref : N/R

Compartment

Compartment ID : 17485
 Compartment Ext : A

Map Id: 6
 Direction: ESE
 Distance: 0.220 mi.
 Actual: 1164.074 ft.
 Elevation: 0.152 mi. / 801.647 ft.
 Relative: Higher

Site Name : McDevitt Residence
 35 Maple Ridge Road
 Underhill, VT
Database(s) : [UST - VT] **(cont.)**

Envirosite ID: 6503564
EPA ID: N/R

UST - VT **(cont.)**

Substance : Fuel Oil #2 or #4
 Spill : N/R
 Overkill : N/R

Pipes

Piping ID : 17690
 Sequence : 1
 Type : DEFAULT
 Protection Type : N/R
 Installed : N/R
 CP Tested : N/R
 Monitor 1 : N/R
 Monitor 1 Tested Date : N/R
 Monitor 2 : N/R
 Monitor 2 Tested Date : N/R
 Pump Type : N/R

Map Id: 7
 Direction: SSE
 Distance: 0.351 mi.
 Actual: 1851.870 ft.
 Elevation: 0.131 mi. / 692.349 ft.
 Relative: Lower

Site Name : GREEN MOUNT LUMBER
 N/A
 UNDERHILL, VT
Database(s) : [SHWS - VT]

Envirosite ID: 16754914
EPA ID: N/R

SHWS - VT

Facility Name : Green Mount Lumber
 Facility Address : n/a, Underhill
 County : Chittenden

Discovery Date : N/R
 Closure Date : 12/20/1990
 Site Number : 900583
 Site Use : N/R
 Priority : NFAP - No Further Action Planned
 Site Status : N/R
 Project Status : Site Closed
 Source of Contamination : UST-Gasoline
 Contaminant : N/R
 Institutional Control : N/R
 Site Closure Date : 12/20/1990
 Record Last Updated : 10/03/2017
 DEC Manager : Unassigned
 DEC Staff Person : Unassigned
 DEC Contact Email Address : Chuck.Schwer@vermont.gov
 Latitude : 44.52067198
 Longitude : -72.93993318
 Last Date in Agency List : 11/10/2020

Map Id: 7
 Direction: SSE
 Distance: 0.351 mi.
 Actual: 1851.870 ft.
 Elevation: 0.131 mi. / 692.349 ft.
 Relative: Lower

Site Name : GREEN MOUNT LUMBER
 N/A
 UNDERHILL, VT
Database(s) : [SHWS - VT] (**cont.**)

Envirosite ID: 16754914
EPA ID: N/R

SHWS - VT (**cont.**)

Facility Name : Green Mount Lumber
 Facility Address : 44.5206719823, -72.9399331757, Underhill
 County : Chittenden

Discovery Date : N/R
 Closure Date : 12/20/1990
 Site Number : 900583
 Site Use : N/R
 Priority : NFAP - No Further Action Planned
 Site Status : N/R
 Project Status : Site Closed
 Source of Contamination : N/R
 Contaminant : N/R
 Institutional Control : N/R
 Site Closure Date : N/R
 Record Last Updated : N/R
 DEC Manager : N/R
 DEC Staff Person : Unassigned
 DEC Contact Email Address : N/R
 Latitude : 44.52067198
 Longitude : -72.93993318
 Last Date in Agency List : 09/24/2015

Map Id: 8
 Direction: NNW
 Distance: 0.457 mi.
 Actual: 2413.615 ft.
 Elevation: 0.134 mi. / 707.923 ft.
 Relative: Higher

Site Name : Village Service And Auto
 Rt 15, Box 111
 Underhill, VT
Database(s) : [SHWS - VT]

Envirosite ID: 16673416
EPA ID: N/R

SHWS - VT

Facility Name : Village Service And Auto
 Facility Address : Rt 15, Box 111, Underhill
 County : Chittenden

Discovery Date : 07/01/1997
 Closure Date : N/R
 Site Number : 972213
 Site Use : Business

Priority : LOW - Site with contamination to soils or groundwater, but no effect on sensitive receptors

Site Status : Voluntary Action

Map Id: 8
 Direction: NNW
 Distance: 0.457 mi.
 Actual: 2413.615 ft.
 Elevation: 0.134 mi. / 707.923 ft.
 Relative: Higher

Site Name : Village Service And Auto
 Rt 15, Box 111
 Underhill, VT
Database(s) : [SHWS - VT] **(cont.)**

Envirosite ID: 16673416
EPA ID: N/R

SHWS - VT (cont.)

Project Status :	Initial site investigation conducted under ARRA contract. Some elevated VOCs in one well. Requested one additional downgradient well. This work was performed in 2015 - no offsite migration; no exceedences in GW; USTs were removed in 2016; no additional contamination was reported; site is eligible for SMAC when wells are abandoned.
Source of Contamination :	UST-Gasoline
Contaminant :	Gasoline
Institutional Control :	N/R
Site Closure Date :	N/R
Record Last Updated :	10/30/2020
DEC Manager :	Tami Wuestenberg
DEC Staff Person :	Tami Wuestenberg
DEC Contact Email Address :	Tami.Wuestenberg@vermont.gov
Latitude :	44.53184307
Longitude :	-72.94428545
Last Date in Agency List :	11/10/2020

Map Id: 9
 Direction: W
 Distance: 0.459 mi.
 Actual: 2425.196 ft.
 Elevation: 0.137 mi. / 722.372 ft.
 Relative: Higher

Site Name : Nadeau Residence | Furtado Residence
 38 Palmer Lane
 Jericho, VT
Database(s) : [SHWS - VT, UST - VT]

Envirosite ID: 6502644
EPA ID: N/R

SHWS - VT

Facility Name :	Nadeau Residence
Facility Address :	38 Palmer Lane, Jericho
County :	Chittenden
Discovery Date :	10/02/1998
Closure Date :	12/01/1998
Site Number :	982489
Site Use :	Residential
Priority :	SMAC - Site Management Activities Completed
Site Status :	N/R
Project Status :	Soils affected below standards. Groundwater not affected.
Source of Contamination :	UST-Diesel
Contaminant :	N/R
Institutional Control :	N/R
Site Closure Date :	12/01/1998
Record Last Updated :	N/R
DEC Manager :	Unassigned
DEC Staff Person :	Unassigned
DEC Contact Email Address :	Chuck.Schwer@vermont.gov
Latitude :	44.52674101
Longitude :	-72.95168045
Last Date in Agency List :	11/10/2020

Map Id: 9
 Direction: W
 Distance: 0.459 mi.
 Actual: 2425.196 ft.
 Elevation: 0.137 mi. / 722.372 ft.
 Relative: Higher

Site Name : Nadeau Residence | Furtado Residence
 38 Palmer Lane
 Jericho, VT
Database(s) : [SHWS - VT, UST - VT] **(cont.)**

EnviroSite ID: 6502644
EPA ID: N/R

UST - VT

Facility Name : Furtado Residence
 Facility Address : 38 Palmer Lane, Jericho, VT
 County : Chittenden

Site Details

Facility ID : 5558625
 Facility Status : PULLED
 Facility Phone : N/R
 Permitted to : N/R
 Owner Name : Peter Furtado
 Owner Person : N/R
 Owner Address : 38 Palmer Lane, Jericho, VT
 Owner Phone : N/R
 Operator Name : Ray Nadeau
 Operator Person : N/R
 Operator Address : N/R
 Operator Phone : 802-899-3881
 Land Owner : Peter Furtado
 Type of Facility : Residential
 Permit Expires : N/R
 Fee Status : N/R
 Receipt : N/R
 Tanks Pulled : 1/1
 Removed : 2
 GWM Wells : N/R
 Vapor Monitoring Points : N/R
 Site Condition : Contamination found
 Sites Number : 982489
 Pin : N/R
 Latitude : N/R
 Longitude : N/R
 Last Date in Agency List : 2021-02-03

Tank Details

Tank ID : 15601
 Tank Status : PULLED
 Tank Ext : 1990-2-R
 COT : N
 OOS : N/R
 Year Removed : 2006
 Capacity : 2000
 Protection : Unprotected Steel
 CP Tested : N/R
 Monitor 1 : N/R
 Monitor 2 : N/R
 Condition : GOOD
 Date Ref : N/R

Compartment

Compartment ID : 15758
 Compartment Ext : A

Map Id: 9
 Direction: W
 Distance: 0.459 mi.
 Actual: 2425.196 ft.
 Elevation: 0.137 mi. / 722.372 ft.
 Relative: Higher

Site Name : Nadeau Residence | Furtado Residence
 38 Palmer Lane
 Jericho, VT
Database(s) : [SHWS - VT, UST - VT] **(cont.)**

EnviroSite ID: 6502644
EPA ID: N/R

UST - VT **(cont.)**

Substance : Fuel Oil #2 or #4
 Spill : N/R
 Overkill : N/R

Pipes

Piping ID : 15758
 Sequence : 1
 Type : DEFAULT
 Protection Type : N/R
 Installed : N/R
 CP Tested : N/R
 Monitor 1 : N/R
 Monitor 1 Tested Date : N/R
 Monitor 2 : N/R
 Monitor 2 Tested Date : N/R
 Pump Type : N/R

Tank Details

Tank ID : 4515
 Tank Status : PULLED
 Tank Ext : -1-1-R
 COT : N
 OOS : N/R
 Year Removed : 1998
 Capacity : 500
 Protection : N/R
 CP Tested : N/R
 Monitor 1 : N/R
 Monitor 2 : N/R
 Condition : POOR
 Date Ref : N/R

Compartment

Compartment ID : 4510
 Compartment Ext : A
 Substance : Diesel
 Spill : N/R
 Overkill : N/R

Pipes

Piping ID : 4510
 Sequence : 1
 Type : DEFAULT
 Protection Type : N/R
 Installed : N/R
 CP Tested : N/R
 Monitor 1 : N/R
 Monitor 1 Tested Date : N/R
 Monitor 2 : N/R

Map Id: 9
 Direction: W
 Distance: 0.459 mi.
 Actual: 2425.196 ft.
 Elevation: 0.137 mi. / 722.372 ft.
 Relative: Higher

Site Name : Nadeau Residence | Furtado Residence
 38 Palmer Lane
 Jericho, VT
Database(s) : [SHWS - VT, UST - VT] **(cont.)**

EnviroSite ID: 6502644
EPA ID: N/R

UST - VT (cont.)

Monitor 2 Tested Date : N/R
 Pump Type : N/R

Map Id: 10
 Direction: SW
 Distance: 0.598 mi.
 Actual: 3160.006 ft.
 Elevation: 0.128 mi. / 674.232 ft.
 Relative: Lower

Site Name : Big Johns Riverside Store
 Route 15
 Jericho, VT
Database(s) : [SHWS - VT]

EnviroSite ID: 16672010
EPA ID: N/R

SHWS - VT

Facility Name : Big Johns Riverside Store
 Facility Address : Route 15, Jericho
 County : Chittenden

Discovery Date : 10/01/1995
 Closure Date : 09/28/2015
 Site Number : 951889
 Site Use : Commercial - Retail
 Priority : SMAC - Site Management Activities Completed
 Site Status : Voluntary Action

Project Status : Gasoline UST release. Initial impact to nearby dug well, since rectified.
 Site now attenuated with no GW contaminants detected in fall 2010.
 Monitoring wells closed July 2011. PCS thin spread 8/99.

Source of Contamination : UST-Gasoline
 Contaminant : Gasoline, MTBE
 Institutional Control : N/R
 Site Closure Date : 09/28/2015
 Record Last Updated : 10/01/2015
 DEC Manager : James Donaldson
 DEC Staff Person : James Donaldson
 DEC Contact Email Address : James.Donaldson@vermont.gov
 Latitude : 44.51761965
 Longitude : -72.94842642
 Last Date in Agency List : 11/10/2020

<u>ENVIROSITE ID</u>	<u>NAME</u>	<u>ADDRESS</u>	<u>CITY</u>	<u>ZIP</u>	<u>DATABASE(S)</u>
<u>16707303</u>	VERIZON	PARK STREET	UNDERHILL	05489	AST - VT

FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST

ARCHIVED RCRA TSD: Resource Conservation and Recovery Act hazardous waste transportation storage disposal and treatment facilities

Agency Version Date: 10/12/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 04/13/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 01/15/2021

RCRA_TSD: Resource Conservation and Recovery Act hazardous waste transportation storage disposal and treatment facilities

Agency Version Date: 10/12/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 04/13/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 01/15/2021

FEDERAL CERCLIS LIST

CERCLIS NFRAP: The CERCLIS sites with No Further Remedial Action Planned from the CERCLIS program database. The Environmental Protection Agency decommissioned the CERCLIS data in 2014. The last update was November 12, 2013.

Agency Version Date: 10/25/2013
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 02/12/2021

CERCLIS-HIST: The CERCLIS program database contains information on the assessment and remediation of federal hazardous waste sites. The Environmental Protection Agency decommissioned the CERCLIS data in 2014. The last update was November 12, 2013.

Agency Version Date: 10/29/2013
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 02/12/2021

FEDERAL FACILITY: Sites where Federal Facilities Restoration and Reuse Office (FFRRO) arranged cleanup for Base Closure and Property Transfer at Federal Facilities

Agency Version Date: 11/17/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8712
Most Recent Contact: 02/12/2021

SEMS_8R_ACTIVE SITES: The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. NPL sites include latitude and longitude information. For non-NPL sites, a brief site status is provided.

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

SEMS_8R_ARCHIVED SITES: The Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Agency Version Date: 10/28/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

FEDERAL RCRA CORRACTS FACILITIES LIST

CORRACTS: List of facilities where Resource Conservation and Recovery Act Corrective Action Program used to investigate and remediate hazardous releases

Agency Version Date: 10/12/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 04/13/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-1667
Most Recent Contact: 01/15/2021

HIST CORRACTS 2: List of facilities where Resource Conservation and Recovery Act Corrective Action Program used to investigate and remediate hazardous releases that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 03/12/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-1667
Most Recent Contact: 12/15/2020

FEDERAL DELISTED NPL SITE LIST

DELISTED NPL: National Priority List of sites that were delisted and no longer require action

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

DELISTED PROPOSED NPL: Sites that have been delisted from the proposed National Priority List

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

SEMS_DELETED NPL: All Deleted National Priority List Sties

Agency Version Date: 10/28/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

EPA LF MOP: Sites in the EPA Landfill Methane Outreach Program

Agency Version Date: 01/11/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 04/09/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 01/11/2021

FEDERAL ERNS LIST

ERNS: Emergency Response Notification System records of reported spills

Agency Version Date: 02/04/2021
Agency Update Frequency: Annually
Planned Next Contact: 05/03/2021

Agency: National Response Center United States Coast Guard
Agency Contact: N/R
Most Recent Contact: 02/04/2021

FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

FED E C: Federal listing of remediation sites with engineering controls

Agency Version Date: 12/18/2020
Agency Update Frequency: Varies
Planned Next Contact: 03/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 12/18/2020

FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES (cont.)

FED I C: Federal listing of remediation sites with institutional controls

Agency Version Date: 12/18/2020
Agency Update Frequency: Varies
Planned Next Contact: 03/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 12/18/2020

RCRA IC_EC: Sites with institutional or engineering controls related to Resource Conservation and Recovery Act

Agency Version Date: 11/23/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/18/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 02/19/2021

FEDERAL RCRA GENERATORS LIST

HIST RCRA_CESQG: List of Resource Conservation and Recovery Act licensed conditionally exempt small quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 03/12/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 12/15/2020

HIST RCRA_LQG: List of Resource Conservation and Recovery Act licensed large quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 03/12/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 12/15/2020

HIST RCRA_NONGEN: List of Resource Conservation and Recovery Act licensed non-generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 03/12/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 12/15/2020

HIST RCRA_SQG: List of Resource Conservation and Recovery Act licensed small quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 03/12/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 12/15/2020

RCRA_LQG: Resource Conservation and Recovery Act listing of licensed large quantity generators

Agency Version Date: 10/12/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 04/13/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 01/15/2021

RCRA_NONGEN: Resource Conservation and Recovery Act listing of licensed non-generators

Agency Version Date: 10/12/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/13/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 01/15/2021

RCRA_SQG: Resource Conservation and Recovery Act listing of licensed small quantity generators

Agency Version Date: 10/12/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 04/13/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 01/15/2021

FEDERAL RCRA GENERATORS LIST (cont.)

RCRA_VSQG: Resource Conservation and Recovery Act listing of licensed very small quantity generators.

Agency Version Date: 10/12/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/13/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 01/15/2021

FEDERAL NPL SITE LIST

NPL: List of priority contaminated sites among identified releases or threatened releases of hazardous substances pollutants or contaminants nationally

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

NPL EPA R1 GIS: Geospatial data for the Environmental Protection Agency Region 1 National Priority List subject to environmental regulation

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 02/12/2021

NPL EPA R3 GIS: Geospatial data for the Environmental Protection Agency Region 3 National Priority List subject to environmental regulation

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 02/12/2021

NPL EPA R6 GIS: Geospatial data for the Environmental Protection Agency Region 6 National Priority List subject to environmental regulation

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 02/12/2021

NPL EPA R8 GIS: Geospatial data for the Environmental Protection Agency Region 8 National Priority List subject to environmental regulation

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 02/12/2021

NPL EPA R9 GIS: Geospatial data for the Environmental Protection Agency Region 9 National Priority List subject to environmental regulation

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 02/12/2021

PART NPL: Sites that are a part of an National Priority List site referred to as the parent site

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

FEDERAL NPL SITE LIST (cont.)

PROPOSED NPL: Sites that have been proposed for the National Priority List

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

SEMS_FINAL NPL: All Included National Priority List Sites

Agency Version Date: 10/28/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

SEMS_PROPOSED NPL: All Proposed National Priority List Sites

Agency Version Date: 10/28/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

STATE AND TRIBAL REGISTERED STORAGE TANK LISTS

FEMA UST: FEMA underground storage tank listing

Agency Version Date: 06/21/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/16/2021

Agency: FEMA
Agency Contact: 202-212-5283
Most Recent Contact: 01/19/2021

INDIAN UST R1: Underground Storage Tanks on Indian Land in EPA Region 1

Agency Version Date: 02/03/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 05/03/2021

Agency: U.S. Environmental Protection Agency Region 1
Agency Contact: 855-246-3642
Most Recent Contact: 02/03/2021

INDIAN UST R10: Underground Storage Tanks on Indian Land in EPA Region 10

Agency Version Date: 12/02/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/27/2021

Agency: U.S. Environmental Protection Agency Region 10
Agency Contact: 855-246-3642
Most Recent Contact: 03/01/2021

INDIAN UST R2: Underground Storage Tanks on Indian Land in EPA Region 2

Agency Version Date: 12/07/2016
Agency Update Frequency: Quarterly
Planned Next Contact: 05/05/2021

Agency: U.S. Environmental Protection Agency Region 2
Agency Contact: 855-246-3642
Most Recent Contact: 02/05/2021

INDIAN UST R4: Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 04/14/2020
Agency Update Frequency: Semi Annually
Planned Next Contact: 05/27/2021

Agency: U.S. Environmental Protection Agency Region 4
Agency Contact: 855-246-3642
Most Recent Contact: 03/01/2021

INDIAN UST R5: Underground Storage Tanks on Indian Land in EPA Region 5

Agency Version Date: 11/19/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/14/2021

Agency: U.S. Environmental Protection Agency Region 5
Agency Contact: 855-246-3642
Most Recent Contact: 02/15/2021

STATE AND TRIBAL REGISTERED STORAGE TANK LISTS (cont.)**INDIAN UST R6: Underground Storage Tanks on Indian Land in EPA Region 6**

Agency Version Date: 09/21/2020
Agency Update Frequency: Semi Annually
Planned Next Contact: 03/17/2021

Agency: U.S. Environmental Protection Agency Region 6
Agency Contact: 855-246-3642
Most Recent Contact: 12/18/2020

INDIAN UST R7: Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 11/19/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/14/2021

Agency: U.S. Environmental Protection Agency Region 7
Agency Contact: 855-246-3642
Most Recent Contact: 02/15/2021

INDIAN UST R8: Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 02/01/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 04/29/2021

Agency: U.S. Environmental Protection Agency Region 8
Agency Contact: 855-246-3642
Most Recent Contact: 02/01/2021

INDIAN UST R9: Underground Storage Tanks on Indian Land in EPA Region 9

Agency Version Date: 02/01/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 04/29/2021

Agency: U.S. Environmental Protection Agency Region 9
Agency Contact: 855-246-3642
Most Recent Contact: 02/01/2021

AST - VT: Aboveground storage tank listing

Agency Version Date: 01/06/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 03/22/2021

Agency: Department of Environmental Conservation
Agency Contact: 802.522.0469
Most Recent Contact: 12/25/2020

UST - VT: Registered Underground Storage Tanks

Agency Version Date: 12/21/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 03/19/2021

Agency: Department of Environmental Conservation
Agency Contact: (802) 828-1138
Most Recent Contact: 12/21/2020

STATE AND TRIBAL BROWNFIELD SITES**TRIBAL BROWNFIELDS: Tribal brownfield remediation site listing**

Agency Version Date: 02/10/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 04/02/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 01/05/2021

BROWNFIELDS - VT: List of brownfield Sites

Agency Version Date: 10/30/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/23/2021

Agency: Department of Environmental Conservation
Agency Contact: (802) 241-3296
Most Recent Contact: 01/26/2021

STATE RCRA GENERATORS LIST**HWG - VT: Hazardous waste generator listing**

Agency Version Date: 11/10/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/03/2021

Agency: Department of Environmental Conservation
Agency Contact: 800.522.5729
Most Recent Contact: 02/04/2021

STATE INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

I C - VT: Sites with institutional controls

Agency Version Date: 10/30/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/23/2021

Agency: Department of Environmental Conservation
Agency Contact: (802) 241-3296
Most Recent Contact: 01/26/2021

STATE AND TRIBAL LEAKING STORAGE TANK LISTS

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land in EPA Region 1

Agency Version Date: 02/02/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 04/30/2021

Agency: U.S. Environmental Protection Agency Region 1
Agency Contact: 855-246-3642
Most Recent Contact: 02/02/2021

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land in EPA Region 10

Agency Version Date: 04/14/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/27/2021

Agency: U.S. Environmental Protection Agency Region 10
Agency Contact: 855-246-3642
Most Recent Contact: 03/01/2021

INDIAN LUST R2: Leaking Underground Storage Tanks on Indian Land in EPA Region 2

Agency Version Date: 12/07/2016
Agency Update Frequency: Quarterly
Planned Next Contact: 05/05/2021

Agency: U.S. Environmental Protection Agency Region 2
Agency Contact: 855-246-3642
Most Recent Contact: 02/05/2021

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 12/02/2020
Agency Update Frequency: Semi Annually
Planned Next Contact: 05/27/2021

Agency: U.S. Environmental Protection Agency Region 4
Agency Contact: 855-246-3642
Most Recent Contact: 03/01/2021

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land in EPA Region 5

Agency Version Date: 11/19/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/14/2021

Agency: U.S. Environmental Protection Agency Region 5
Agency Contact: 855-246-3642
Most Recent Contact: 02/15/2021

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land in EPA Region 6

Agency Version Date: 11/23/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/18/2021

Agency: U.S. Environmental Protection Agency Region 6
Agency Contact: 855-246-3642
Most Recent Contact: 02/19/2021

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 04/15/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/14/2021

Agency: U.S. Environmental Protection Agency Region 7
Agency Contact: 855-246-3642
Most Recent Contact: 02/15/2021

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 11/23/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/18/2021

Agency: U.S. Environmental Protection Agency Region 8
Agency Contact: 855-246-3642
Most Recent Contact: 02/19/2021

STATE AND TRIBAL LEAKING STORAGE TANK LISTS (cont.)

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land in EPA Region 9

Agency Version Date: 02/01/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 04/29/2021

Agency: U.S. Environmental Protection Agency Region 9
Agency Contact: 855-246-3642
Most Recent Contact: 02/01/2021

LAST - VT: Aboveground Storage Tank with releases/ leaks

Agency Version Date: 02/04/2021
Agency Update Frequency: No update
Planned Next Contact: 05/03/2021

Agency: Department of Environmental Conservation
Agency Contact: (802) 249-5601
Most Recent Contact: 02/04/2021

LUST - VT: Underground Storage Tank with releases/ leaks

Agency Version Date: 12/21/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 03/19/2021

Agency: Department of Environmental Conservation
Agency Contact: (802) 249-5346
Most Recent Contact: 12/21/2020

STATE- AND TRIBAL - EQUIVALENT CERCLIS

SHWS - VT: State Hazardous Waste sites recorded in the state

Agency Version Date: 11/10/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/03/2021

Agency: Department of Environmental Conservation
Agency Contact: (802) 241-3888
Most Recent Contact: 02/04/2021

STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

SWF/LF - VT: State Landfill locations

Agency Version Date: 12/22/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 03/22/2021

Agency: Department of Environmental Conservation
Agency Contact: (802) 241-3888
Most Recent Contact: 12/22/2020

LOCAL BROWNFIELD LISTS

BROWNFIELDS-ACRES: EPA Brownfields Assessment, Cleanup and Redevelopment Exchange System.

Agency Version Date: 12/28/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 03/26/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 12/28/2020

FED BROWNFIELDS: Federal brownfield remediation sites

Agency Version Date: 11/10/2020
Agency Update Frequency: Semi Annually
Planned Next Contact: 05/05/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 02/05/2021

LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES

FED CDL: The U.S. Department of Justice listing of clandestine drug lab locations

Agency Version Date: 01/28/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 04/26/2021

Agency: U.S. Department of Justice
Agency Contact: 202-307-7610
Most Recent Contact: 01/28/2021

LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES (cont.)

US HIST CDL: The U.S. Department of Justice historical listing of clandestine drug lab locations

Agency Version Date: 08/05/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/31/2021

Agency: U.S. Department of Justice
Agency Contact: 202-307-7610
Most Recent Contact: 03/03/2021

LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES

HIST INDIAN ODI R8: List of Region 8 Indian land open dump inventory sites maintained within the STARS program that is no longer in current agency list.

Agency Version Date: 11/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 04/29/2021

Agency: Indian Health Service
Agency Contact: 855-246-3642
Most Recent Contact: 02/01/2021

INDIAN ODI R8: Region 8 Indian land open dump inventory sites maintained within the STARS program

Agency Version Date: 11/13/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/11/2021

Agency: Indian Health Service
Agency Contact: 855-246-3642
Most Recent Contact: 02/12/2021

ODI: Open dump inventory sites

Agency Version Date: 10/03/2017
Agency Update Frequency: No Update
Planned Next Contact: 05/24/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 02/25/2021

TRIBAL ODI: Indian land open dump inventory for all regions

Agency Version Date: 12/18/2020
Agency Update Frequency: Varies
Planned Next Contact: 03/10/2021

Agency: Indian Health Service
Agency Contact: 301-443-3593
Most Recent Contact: 12/18/2020

SWRCY - VT: Recycling facilities

Agency Version Date: 11/09/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/05/2021

Agency: Department of Environmental Conservation
Agency Contact: (410) 333-2730
Most Recent Contact: 02/05/2021

RECORDS OF EMERGENCY RELEASE REPORTS

HMIRS (DOT): Hazardous Material spills reported by the Department of Transportation

Agency Version Date: 01/05/2021
Agency Update Frequency: Varies
Planned Next Contact: 04/02/2021

Agency: U.S. Department of Transportation
Agency Contact: (202) 366-4996
Most Recent Contact: 01/05/2021

HIST SPILLS - VT: Remediated Spills

Agency Version Date: 02/04/2021
Agency Update Frequency: Varies
Planned Next Contact: 05/03/2021

Agency: Department of Environmental Conservation
Agency Contact: (802) 249-5346
Most Recent Contact: 02/04/2021

SPILLS - VT: List of reported chemical spills

Agency Version Date: 02/04/2021
Agency Update Frequency: Varies
Planned Next Contact: 05/03/2021

Agency: Department of Environmental Conservation
Agency Contact: (802) 249-5346
Most Recent Contact: 02/04/2021

LOCAL LAND RECORDS

LIENS 2: Comprehensive Environmental Response Compensation and Liability Act sites with liens

Agency Version Date: 05/11/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 04/02/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 01/05/2021

OTHER ASCERTAINABLE RECORDS

AFS: Air Facility Systems Quarterly Extract

Agency Version Date: 11/20/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/14/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/16/2021

ALT FUELING: Alternative Fueling Stations by fuel type.

Agency Version Date: 01/14/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 04/12/2021

Agency: U.S. Department of Energy
Agency Contact: N/R
Most Recent Contact: 01/14/2021

AST PBS: Bulk petroleum terminals with a total bulk storage capacity of 50,000 barrels or more.

Agency Version Date: 12/11/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 03/09/2021

Agency: Department of Homeland Security
Agency Contact: 202-853-5361
Most Recent Contact: 12/11/2020

BRS: Reporting of hazardous waste generation and management from large quantity generators

Agency Version Date: 10/12/2020
Agency Update Frequency: Biennial
Planned Next Contact: 04/13/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 01/15/2021

CDC HAZDAT: The Agency for Toxic Substances and Disease Registry's Hazardous Substance Release/Health Effects Database.

Agency Version Date: 08/21/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/11/2021

Agency: Agency for Toxic Substances and Disease Registry
Agency Contact: 770-488-6399
Most Recent Contact: 02/12/2021

COAL ASH DOE: List of existing and planned generators with 1 megawatt or greater of combined capacity that are utilizing coal ash impoundments.

Agency Version Date: 10/12/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/07/2021

Agency: Department of Energy
Agency Contact: (202) 586-8800
Most Recent Contact: 01/08/2021

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

Agency Version Date: 07/31/2014
Agency Update Frequency: Varies
Planned Next Contact: 05/17/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/18/2021

COAL GAS: Manufactured Gas Plant locations

Agency Version Date: 01/22/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 04/20/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 01/22/2021

OTHER ASCERTAINABLE RECORDS (cont.)

CONSENT (DECREES): Legal decisions regarding responsibility for Superfund locations

Agency Version Date: 11/13/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/10/2021

Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 02/10/2021

CORRECTIVE ACTIONS_2020: In 2009 the EPA created the 2020 Corrective Action Baseline list of contaminated or potentially contaminated sites with a cleanup goal to complete 95% by the year 2020. The names on the list indicate the facility owners who may or may not have caused the contamination.

Agency Version Date: 12/21/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 05/04/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: N/R
Most Recent Contact: 02/05/2021

DEBRIS R5 LF: US EPA Region 5 Disaster Debris Recovery Database is a list of public facilities for disaster construction and demolition materials, electronics, household hazardous waste, metals, tires, and vehicles in EPA Region 5.

Agency Version Date: 02/28/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 04/27/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 01/26/2021

DEBRIS R5 SWRCY: US EPA Region 5 Disaster Debris Recovery Database is a list of public facilities for disaster construction and demolition materials, electronics, household hazardous waste, metals, tires, and vehicles in EPA Region 5.

Agency Version Date: 10/30/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 04/27/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 01/26/2021

DOD: Department of Defense sites

Agency Version Date: 11/17/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/11/2021

Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 02/12/2021

DOT OPS: Incident Data Report

Agency Version Date: 11/30/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/26/2021

Agency: U.S. Department of Transportation
Agency Contact: (202) 366-4996
Most Recent Contact: 02/26/2021

ECHO: ECHO is EPA Enforcement and Compliance History Online website to search for facilities in your community to assess their compliance with environmental regulations related to CAA, CWA, RCRA, & SDWA.

Agency Version Date: 01/07/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 04/05/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-1667
Most Recent Contact: 01/07/2021

ENOI: The Electronic Notice of Intent (eNOI) database contains construction sites and industrial facilities that submit permit requests to EPA for Construction General Permits (CGP) and Multi-Sector General Permits (MSGP).

Agency Version Date: 09/25/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 03/19/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 12/22/2020

EPA FUELS: List of companies and facilities registered to participate in EPA Fuel Programs under Title 40 CFR Part 80.

Agency Version Date: 11/23/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/18/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 02/19/2021

OTHER ASCERTAINABLE RECORDS (cont.)

EPA OSC: Listing of oil spills and hazardous substance release sites requiring EPA On-Site Coordinators.

Agency Version Date: 10/09/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 04/02/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 01/05/2021

EPA WATCH: The EPA Watch List was used 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. EPA maintained the lists from 2011 - 2013.

Agency Version Date: 02/09/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 04/02/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 01/05/2021

FA HWF: Hazardous Waste Facilities with Financial Assurance

Agency Version Date: 01/20/2021
Agency Update Frequency: Varies
Planned Next Contact: 04/19/2021

Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 01/20/2021

FEDLAND: Federal land locations

Agency Version Date: 01/06/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/07/2021

Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 02/09/2021

FRS: Facility Registry Systems

Agency Version Date: 11/27/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/24/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/23/2021

FTTS: Tracking of administrative and enforcement activities related to FIFRA/TSCA

Agency Version Date: 04/16/2013
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 04/20/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 564-2280
Most Recent Contact: 01/22/2021

FTTS INSP: Tracking of inspections related to FIFRA/TSCA

Agency Version Date: 05/08/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 04/13/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 564-2280
Most Recent Contact: 01/15/2021

FUDS: Defense sites that require cleanup

Agency Version Date: 11/23/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/19/2021

Agency: US Army Corps of Engineering
Agency Contact: (202) 761-0011
Most Recent Contact: 02/19/2021

HIST AFS: List of Air Facility Systems Quarterly Extract that are no longer in current agency list.

Agency Version Date: 06/14/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 04/01/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 01/05/2021

OTHER ASCERTAINABLE RECORDS (cont.)

HIST AFS 2: List of Air Facility Systems Quarterly Extract that are no longer in current agency list.

Agency Version Date: 11/26/2018
Agency Update Frequency: Quarterly
Planned Next Contact: 05/04/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/05/2021

HIST DOD: Department of Defense historical sites

Agency Version Date: 08/17/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 05/11/2021

Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 02/12/2021

HIST LEAD_SMELTER: List of former lead smelter sites that is no longer in current agency list.

Agency Version Date: 12/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 04/19/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 01/21/2021

HIST MLTS: List of sites in possession/use of radioactive materials regulated by NRC that is no longer in current agency list.

Agency Version Date: 07/13/2016
Agency Update Frequency: Annually
Planned Next Contact: 04/29/2021

Agency: Nuclear Regulatory Commission
Agency Contact: (800) 397-4209
Most Recent Contact: 02/01/2021

HIST PCB TRANS: List of PCB Disposal Facilities that are no longer in current agency list.

Agency Version Date: 01/18/2018
Agency Update Frequency: No Update
Planned Next Contact: 05/17/2021

Agency: Environmental Protection Agency
Agency Contact: (703) 308-8404
Most Recent Contact: 02/18/2021

HIST PCS ENF: List of permitted facilities to discharge wastewater (Federal equivalent to NPDES) that are no longer in current agency list.

Agency Version Date: 12/08/2018
Agency Update Frequency: Annually
Planned Next Contact: 03/09/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 564-6582
Most Recent Contact: 12/11/2020

HIST PCS FACILITY: List of Permitted facilities to discharge wastewater (Federal equivalent to NPDES) that are no longer in current agency list.

Agency Version Date: 12/18/2018
Agency Update Frequency: Annually
Planned Next Contact: 03/12/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 564-6582
Most Recent Contact: 12/15/2020

HIST SSTs: List of tracking of facilities who produce pesticides and their quantity that are no longer in current agency list.

Agency Version Date: 02/13/2019
Agency Update Frequency: Annually
Planned Next Contact: 05/21/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/23/2021

HWC DOCKET: Listing of Federal facilities which are managing or have managed hazardous waste; or have had a release of hazardous waste.

Agency Version Date: 02/16/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 05/17/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 02/16/2021

OTHER ASCERTAINABLE RECORDS (cont.)

ICIS: Comprised of all Federal Administrative and Judicial enforcement information [intended to replace PCS] by tracking enforcement and compliance information (also contains what used to be known as FFTS)

Agency Version Date: 10/16/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/09/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 01/12/2021

INACTIVE PCS: Inactive Permitted facilities to discharge wastewater

Agency Version Date: 10/16/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/09/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 564-6582
Most Recent Contact: 01/12/2021

INDIAN RESERVATION: Indian Reservation sites

Agency Version Date: 10/26/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/19/2021

Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 01/21/2021

LUCIS: Land Use Control Information Systems

Agency Version Date: 07/24/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 04/06/2021

Agency: Department of the Navy: BRAC PMO
Agency Contact: (619) 532-0900
Most Recent Contact: 01/08/2021

LUCIS 2: Land Use Control Information Systems

Agency Version Date: 01/17/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 05/18/2021

Agency: Department of the Navy: BRAC PMO
Agency Contact: (619) 532-0900
Most Recent Contact: 02/19/2021

MINES: Mines Master Index Files

Agency Version Date: 01/11/2021
Agency Update Frequency: Varies
Planned Next Contact: 04/09/2021

Agency: Department of Labor
Agency Contact: (202) 693-9400
Most Recent Contact: 01/11/2021

MINES USGS: Listing of all active mines and mineral plants in 2003

Agency Version Date: 02/02/2021
Agency Update Frequency: Varies
Planned Next Contact: 04/13/2021

Agency: USGS Mineral Resources Program
Agency Contact: (703) 648-5953
Most Recent Contact: 01/15/2021

MLTS: Sites in possession/use of radioactive materials regulated by NRC

Agency Version Date: 05/19/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/04/2021

Agency: Nuclear Regulatory Commission
Agency Contact: (800) 397-4209
Most Recent Contact: 02/05/2021

NPL AOC: Areas of Concern related to NPL remediation sites

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: Environmental Protection Agency
Agency Contact: N/R
Most Recent Contact: 02/12/2021

NPL LIENS: National Priority List of sites with Liens

Agency Version Date: 10/28/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

OTHER ASCERTAINABLE RECORDS (cont.)

OSHA: OSHA's listing of inspections violations and fatality information

Agency Version Date: 10/16/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/08/2021

Agency: Occupational Safety & Health Administration
Agency Contact: 800-321-6742
Most Recent Contact: 01/11/2021

PADS: Listing of generators transporters commercial store/ brokers and disposers of PCB

Agency Version Date: 11/16/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/11/2021

Agency: Environmental Protection Agency
Agency Contact: (703) 308-8404
Most Recent Contact: 02/12/2021

PCB TRANSFORMER: Disposal and Storage of Polychlorinated Biphenyl (PCB) Waste

Agency Version Date: 11/27/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/24/2021

Agency: Environmental Protection Agency
Agency Contact: (703) 308-8404
Most Recent Contact: 02/24/2021

PCS ENF: Permitted facilities to discharge wastewater (Federal equivalent to NPDES)

Agency Version Date: 10/16/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/09/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 564-6582
Most Recent Contact: 01/12/2021

PCS FACILITY: Permitted facilities to discharge wastewater (Federal equivalent to NPDES)

Agency Version Date: 10/16/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/09/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 564-6582
Most Recent Contact: 01/12/2021

RAATS: Listing of major violators with enforcement actions issued under RCRA. Includes administrative and civil actions filed by the EPA. This dataset is no longer maintained.

Agency Version Date: 09/23/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/04/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/05/2021

RADINFO: EPA regulated facilities with radiation and radioactive materials

Agency Version Date: 08/01/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/23/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 01/26/2021

RMP: Facilities producing/handling/ process/ distribute/ store specific chemicals report plans required by the Clean Air Act

Agency Version Date: 03/17/2020
Agency Update Frequency: Monthly
Planned Next Contact: 04/16/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 564-2534
Most Recent Contact: 01/19/2021

ROD: Permanent remedy at an NPL site

Agency Version Date: 11/17/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/11/2021

Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 02/12/2021

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners

Agency Version Date: 09/21/2020
Agency Update Frequency: No Update
Planned Next Contact: 03/16/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 12/18/2020

OTHER ASCERTAINABLE RECORDS (cont.)

SEMS_SMELTER: This report includes sites that have smelting-related, or potentially smelting-related, indicators in the SEMS database. The report includes information on the site location as well as contaminants of concern.

Agency Version Date: 10/28/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

SSTS: Tracking of facilities who produce pesticides and their quantity

Agency Version Date: 12/25/2020
Agency Update Frequency: Annually
Planned Next Contact: 03/23/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 12/25/2020

STORMWATER: Permitted storm water sites

Agency Version Date: 10/16/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/09/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 01/12/2021

TOSCA-PLANT: Plants controlled by the Toxic Substance Control Act

Agency Version Date: 12/28/2020
Agency Update Frequency: Varies
Planned Next Contact: 03/26/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 12/28/2020

TRIS: Information regarding toxic chemicals that are being used/manufactured/ treated/ transported/released into the environment

Agency Version Date: 10/14/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/09/2021

Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 01/11/2021

UMTRA: Uranium Recovery Sites

Agency Version Date: 01/14/2021
Agency Update Frequency: Varies
Planned Next Contact: 04/12/2021

Agency: United States Nuclear Regulatory Commission
Agency Contact: (301) 415-8200
Most Recent Contact: 01/14/2021

VAPOR: EPA Vapor Intrusion Database

Agency Version Date: 12/21/2020
Agency Update Frequency: Varies
Planned Next Contact: 03/19/2021

Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 12/21/2020

AIRS - VT: Air permits

Agency Version Date: 11/20/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/17/2021

Agency: Department of Environmental Conservation
Agency Contact: (802) 828-1288
Most Recent Contact: 02/17/2021

DAYCARE - VT: Day Care Providers

Agency Version Date: 01/01/2021
Agency Update Frequency: Varies
Planned Next Contact: 03/30/2021

Agency: Vermont Child Care Information Systems
Agency Contact: (800) 649-2642
Most Recent Contact: 01/01/2021

OTHER ASCERTAINABLE RECORDS (cont.)

DRYCLEANERS - VT: perchloroethylene Drycleaners

Agency Version Date: 12/15/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 03/12/2021

Agency: Department of Environmental Conservation
Agency Contact: (802) 272-4088
Most Recent Contact: 12/15/2020

DRYCLEANERS 2 - VT: Perchloroethylene Drycleaners

Agency Version Date: 02/17/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 04/27/2021

Agency: Department of Environmental Conservation
Agency Contact: (802) 272-4088
Most Recent Contact: 01/26/2021

HIST T 2 - VT: Historical List of facilities that submit an Emergency and Hazardous Chemical Inventory Form

Agency Version Date: 05/21/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 05/28/2021

Agency: Department of Environmental Conservation
Agency Contact: (802) 479-7586
Most Recent Contact: 03/01/2021

MANIFEST - VT: Hazardous Waste Generators Manifest

Agency Version Date: 10/15/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2021

Agency: Department of Environmental Conservation
Agency Contact: (802) 241-3888
Most Recent Contact: 02/26/2021

NPDES - VT: Listing of facilities with wastewater and NPDES permits

Agency Version Date: 10/20/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/13/2021

Agency: Department of Environmental Conservation
Agency Contact: (802) 241-3770
Most Recent Contact: 01/15/2021

T 2 - VT: List of facilities that submit an Emergency and Hazardous Chemical Inventory Form

Agency Version Date: 05/21/2018
Agency Update Frequency: No update
Planned Next Contact: 03/12/2021

Agency: Department of Environmental Conservation
Agency Contact: (802) 479-7586
Most Recent Contact: 12/15/2020

UIC - VT: Regulated Underground Injection Controlled wells

Agency Version Date: 01/08/2021
Agency Update Frequency: Semi Annually
Planned Next Contact: 04/06/2021

Agency: Department of Environmental Conservation
Agency Contact: (802) 585-4913
Most Recent Contact: 01/08/2021

SUBJECT PROPERTY ADDRESS:

Underhill Affordable Housing Project
85 Harvest Run
Underhill, Vermont 05489

SUBJECT PROPERTY COORDINATES:

Latitude(North):	44.525309 - 44°31'31.1"
Longitude(West):	-72.942831 - -72°56'34.2"
Universal Transverse Mercator:	Zone 18N
UTM X (Meters):	663470.19
UTM Y (Meters):	4932278.71

ELEVATION:

Elevation: 702.497 ft. above sea level

USGS TOPOGRAPHIC MAP:

Subject Property Map:	44072-E8 Underhill, VT
Most Recent Revision:	2018

GEOHYDROLOGY DATA:**SUBJECT PROPERTY TOPOGRAPHY:**

Topographic Gradient: Southwest

DFIRM FLOOD ZONE:

	DFIRM Flood
Subject Property County:	Electronic Data:
CHITTENDEN	Yes - refer to the PROPERTY PROXIMITY MAP and AREA MAP
Flood Plain Panel at Subject Property:	50007C
Additional Panels in search area:	No available data

FEMA FLOOD ZONE:

	FEMA Flood
Subject Property County:	Electronic Data:
CHITTENDEN	No available data.
Flood Plain Panel at Subject Property:	No available data
Additional Panels in search area:	No available data

NATIONAL WETLAND INVENTORY:

NWI Electronic	
<u>NWI Quad at Subject Property:</u>	<u>Data Coverage:</u>
Underhill	Yes - refer to the Geological Findings Map

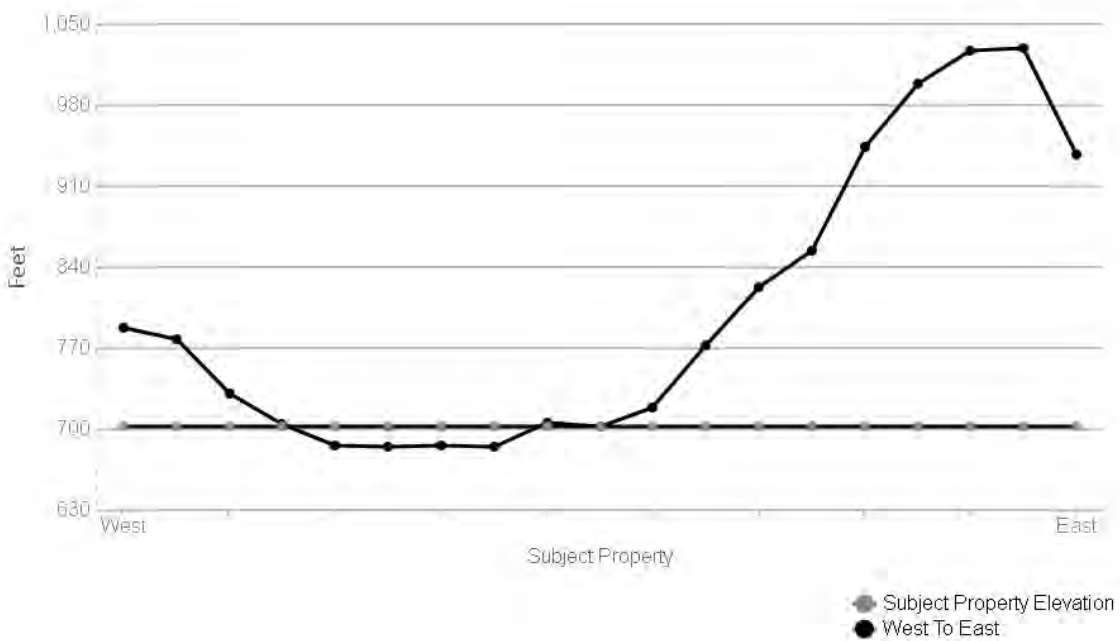
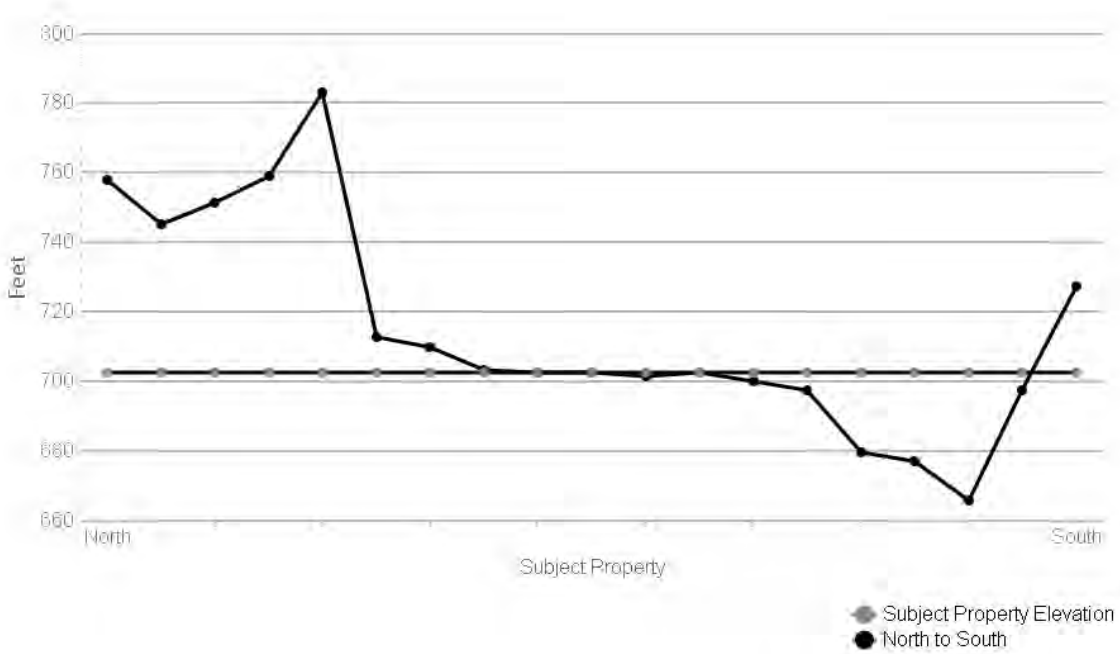
LITHOSTRATIGRAPHIC INFORMATION:

ROCK STRATIGRAPHIC UNIT:

GEOLOGIC AGE IDENTIFICATION

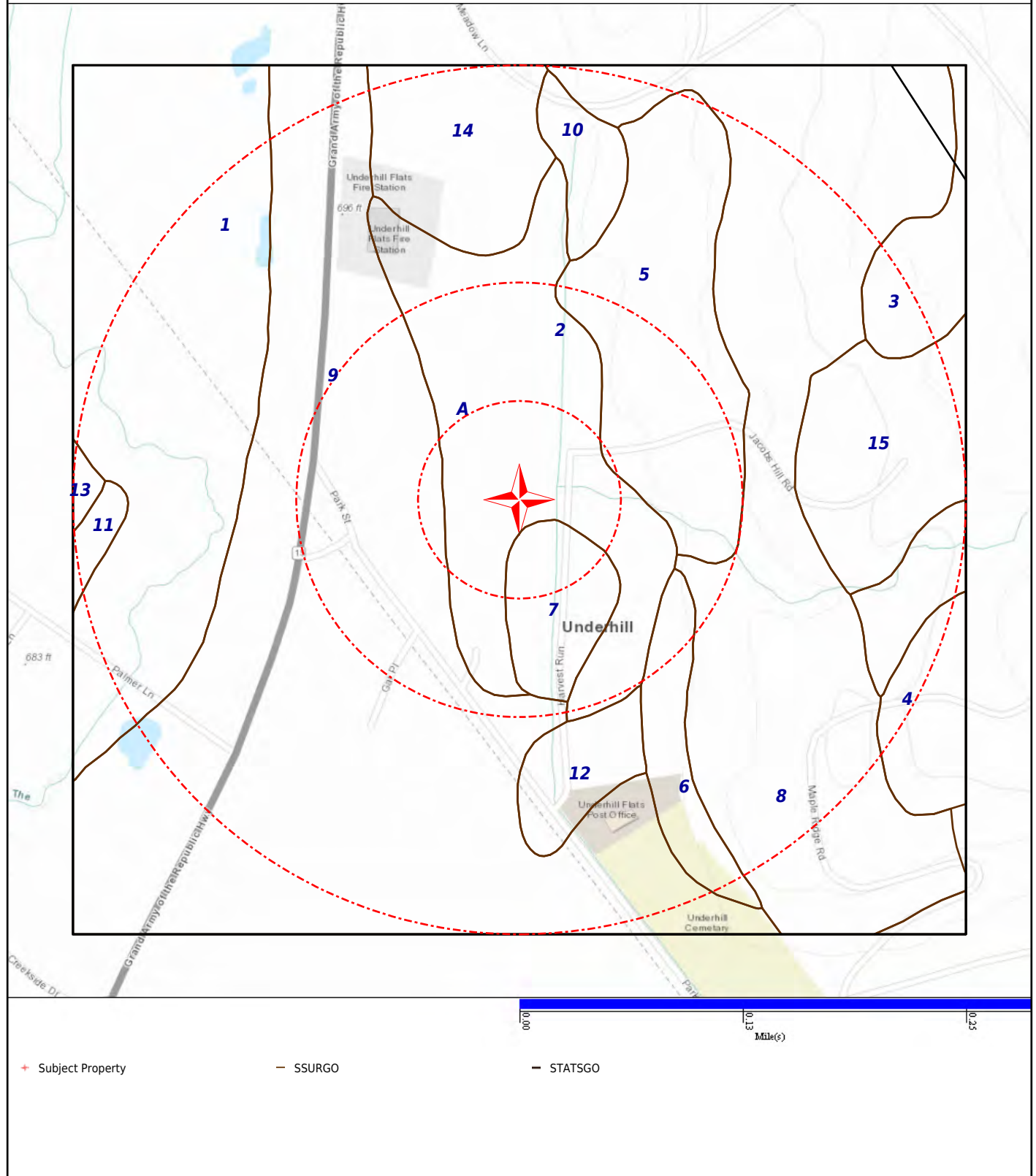
Era:	Paleozoic	Category: 135 Ce Cambrian eugeosynclinal
System:	Cambrian	
Series:	Cambrian eugeosynclinal	
Code:	Ce	

SURROUNDING ELEVATION PROFILES:



SUBJECT NAME: Underhill Affordable Housing Project
 ADDRESS: 85 Harvest Run, Underhill, Vermont, 05489
 LAT/LONG: 44.525309 / -72.942831

PREPARED FOR: KAS, Inc.
 ORDER #: 51718
 REPORT DATE: March 03, 2021



SOIL COMPOSITION IN GENERAL AREA OF SUBJECT PROPERTY:

Agency source: Soil Conservation Service, US Department of Agriculture

SOIL MAP ID 1

USDA Soil Name	Limerick, Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	B/D
Soil Drainage Class	Poorly drained
Hydric Classification	92
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-5	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.2333-14.1111	5.1-7.3
2	5-28	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.2333-14.1111	5.6-7.3
3	28-65	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials,	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and	4.2333-14.1111	5.6-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	28-65	Silt loam	1984.	the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.2333-14.1111	5.6-7.3

SOIL MAP ID 2

USDA Soil Name	Raynham, Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Poorly drained
Hydric Classification	45
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-6	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4111-14.1111	5.1-7.3
2	6-22	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM,	1.4111-14.1111	5.1-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	6-22	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	1984).	1.4111-14.1111	5.1-7.3
3	22-65	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.4233-1.4111	5.6-7.8

SOIL MAP ID 3

USDA Soil Name	Peru, Series
USDA Soil Texture	Not Reported
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	4
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-1		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM,	10-99.9999	3.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-1		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	1984).	10-99.9999	3.5-5.5
2	1-5	Fine sandy loam	Silt-Clay Materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Organic Clay or Organic Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1-99.9999	3.5-6.5
3	5-6	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1-99.9999	3.5-6.5
4	6-7	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials,	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and	1-99.9999	3.5-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
4	6-7	Fine sandy loam	1984.	the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1-99.9999	3.5-6.5
5	7-13	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1-99.9999	3.5-6.5
6	13-18	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1-99.9999	3.5-6.5
7	18-21	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	1-99.9999	3.5-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
7	18-21	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	1-99.9999	3.5-6.5
8	21-37	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.1-9.9999	3.5-6.5
9	37-65	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.1-9.9999	3.5-6.5

SOIL MAP ID 4

USDA Soil Name	Lyman, Series
USDA Soil Texture	Not Reported
Hydrologic Soil Group	D
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	3
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-1		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	10-99	3.5-5.5
2	1-3	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1-99	3.5-6
3	3-5	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1-99	3.5-6
4	5-7	Loam	Silt-Clay materials	COARSE-GRAINED SOILS,	1-99	3.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
4	5-7	Loam	(more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1-99	3.5-6
5	7-11	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1-99	3.5-6
6	11-18	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1-99	3.5-6
7	18-28		No data	No data	0.01-99.9999	0-0

SOIL MAP ID 5

USDA Soil Name	Colton, Series
USDA Soil Texture	Loamy sand
Hydrologic Soil Group	A
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-4	Loamy sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42.3333-141.1111	4.5-6
2	4-27	Loamy sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42.3333-141.1111	4.5-6
3	27-60	Coarse sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	COARSE-GRAINED SOILS, Gravels, clean gravels, Poorly Graded Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	141.1111-705	4.5-6.5

SOIL MAP ID 6

USDA Soil Name	Stetson, Series
USDA Soil Texture	Fine sandy loam
Hydrologic Soil Group	A
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Low

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Fine sandy loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.2333-42.3333	4.5-6.5
2	8-16	Fine sandy loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.2333-42.3333	4.5-6.5
3	16-25	Loamy coarse sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.2333-42.3333	4.5-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
4	25-65	Coarse sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42.3333-141.1111	4.5-7.8

SOIL MAP ID 7

USDA Soil Name	Scantic, Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Poorly drained
Hydric Classification	95
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-13	Silt loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4111-14.1111	4.5-6.5
2	13-26	Silty clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75	0-1.4111	5.1-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	13-26	Silty clay loam	Transportation Officials, 1984.	mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0-1.4111	5.1-7.3
3	26-65	Silty clay	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0-1.4111	5.6-7.3

SOIL MAP ID 8

USDA Soil Name	Colton, Series
USDA Soil Texture	Loamy sand
Hydrologic Soil Group	A
Soil Drainage Class	Excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-4	Loamy sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in	42.3333-141.1111	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-4	Loamy sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	organic matter (ASTM test D 2487, in ASTM, 1984).	42.3333-141.1111	4.5-6
2	4-27	Loamy sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42.3333-141.1111	4.5-6
3	27-60	Coarse sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, clean gravels, Poorly Graded Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	141.1111-705	4.5-6.5

SOIL MAP ID 9

USDA Soil Name	Stetson, Series
USDA Soil Texture	Fine sandy loam
Hydrologic Soil Group	A
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Low

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Fine sandy loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.2333-42.3333	4.5-6.5
2	8-16	Fine sandy loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.2333-42.3333	4.5-6.5
3	16-25	Loamy coarse sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.2333-42.3333	4.5-6.5
4	25-65	Coarse sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM,	42.3333-141.1111	4.5-7.8

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
4	25-65	Coarse sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	1984).	42.3333-141.1111	4.5-7.8

SOIL MAP ID 10

USDA Soil Name	Hinesburg, Series
USDA Soil Texture	Fine sandy loam
Hydrologic Soil Group	A
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42.3333-141.1111	5.6-6.5
2	8-28	Loamy fine sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil	42.3333-141.1111	5.6-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	8-28	Loamy fine sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42.3333-141.1111	5.6-6.5
3	28-65	Very fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4111-4.2333	5.1-7.3

SOIL MAP ID 11

USDA Soil Name	Stetson, Series
USDA Soil Texture	Fine sandy loam
Hydrologic Soil Group	A
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Low

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Fine sandy loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil	4.2333-42.3333	4.5-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Fine sandy loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.2333-42.3333	4.5-6.5
2	8-16	Fine sandy loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.2333-42.3333	4.5-6.5
3	16-25	Loamy coarse sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.2333-42.3333	4.5-6.5
4	25-65	Coarse sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42.3333-141.1111	4.5-7.8

SOIL MAP ID 12

USDA Soil Name	Eldridge, Series
USDA Soil Texture	Loamy fine sand
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	10
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-9	Loamy fine sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42.3333-141.1111	5.1-7.3
2	9-27	Loamy fine sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42.3333-141.1111	5.1-7.3
3	27-60	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.4233-4.2333	5.1-7.3

SOIL MAP ID 13

USDA Soil Name	Duane, Series
USDA Soil Texture	Fine sandy loam
Hydrologic Soil Group	A/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-4	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14.1111-42.3333	3.6-6
2	4-11	Loamy fine sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42.3333-141.1111	4.5-6
3	11-15	Loamy fine sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42.3333-141.1111	4.5-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
4	15-52	Sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly Graded Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42.3333-141.1111	4.5-6

SOIL MAP ID 14

USDA Soil Name	Agawam, Series
USDA Soil Texture	Fine sandy loam
Hydrologic Soil Group	A
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-9	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14.1111-42.3333	4.5-6.5
2	9-18	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	14.1111-42.3333	4.5-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	9-18	Fine sandy loam	M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14.1111-42.3333	4.5-6.5
3	18-32	Loamy sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42.3333-141.1111	4.5-6.5
4	32-65	Loamy fine sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	141.1111-705	4.5-6.5

SOIL MAP ID 15

USDA Soil Name	Peru, Series
USDA Soil Texture	Not Reported
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	5
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-1		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	10-99.9999	3.5-5.5
2	1-5	Fine sandy loam	Silt-Clay Materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Organic Clay or Organic Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1-99.9999	3.5-6.5
3	5-6	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1-99.9999	3.5-6.5
4	6-7	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials,	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and	1-99.9999	3.5-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
4	6-7	Fine sandy loam	1984.	the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1-99.9999	3.5-6.5
5	7-13	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1-99.9999	3.5-6.5
6	13-18	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1-99.9999	3.5-6.5
7	18-21	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	1-99.9999	3.5-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
7	18-21	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	1-99.9999	3.5-6.5
8	21-37	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.1-9.9999	3.5-6.5
9	37-65	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.1-9.9999	3.5-6.5

SOIL MAP ID A

USDA Soil Name	Windsor, Series
USDA Soil Texture	Loamy sand
Hydrologic Soil Group	A
Soil Drainage Class	Well drained
Hydric Classification	7
Corrosion Potential - Uncoated Steel	Low

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-2	Loamy sand	No data	No data	42.343-141.1433	4.5-6
2	2-20	No data	No data	No data	42.343-141.1433	4.5-6
3	20-65	No data	No data	No data	42.343-141.1433	4.5-6.5

WATER AGENCY DATA:**WATER AGENCY SEARCH DISTANCES:**

<u>DATABASE:</u>	<u>SEARCH DISTANCE (MILES):</u>
NWIS	1.000
PWS	1.000

<u>DISTANCE TO NEAREST:</u>	<u>DISTANCE:</u>
NWIS	0.197 mi / 1040 ft
PWS	0.263 mi / 1387 ft

FEDERAL WATER AGENCY DATA SUMMARY:

<u>MAP ID:</u>	<u>WELL ID:</u>	<u>LOCATION FROM SP:</u>
1	443140072562901	1/8 - 1/4 Mile NE
2	443119072563601	1/8 - 1/4 Mile S
A3	VT0005096 JERICHO UNDERHILL WATER-TREATMENT PLANT 1	1/4 - 1/2 Mile ESE
A4	443124072561901	1/4 - 1/2 Mile ESE
5	443117072564701	1/4 - 1/2 Mile SW
6	443143072561701	1/4 - 1/2 Mile ENE
7	443153072563101	1/4 - 1/2 Mile NNE
8	443144072561001	1/4 - 1/2 Mile ENE
9	443149072561601	1/4 - 1/2 Mile NE
B10	443150072565401	1/4 - 1/2 Mile NW
B11	443150072565501	1/4 - 1/2 Mile NW
12	443149072555701	1/2 - 1 Mile ENE
13	443202072565901	1/2 - 1 Mile NW
14	443120072554701	1/2 - 1 Mile ESE
15	443207072561701	1/2 - 1 Mile NNE
16	443208072560901	1/2 - 1 Mile NE
17	443151072554101	1/2 - 1 Mile ENE
18	443213072561301	1/2 - 1 Mile NNE

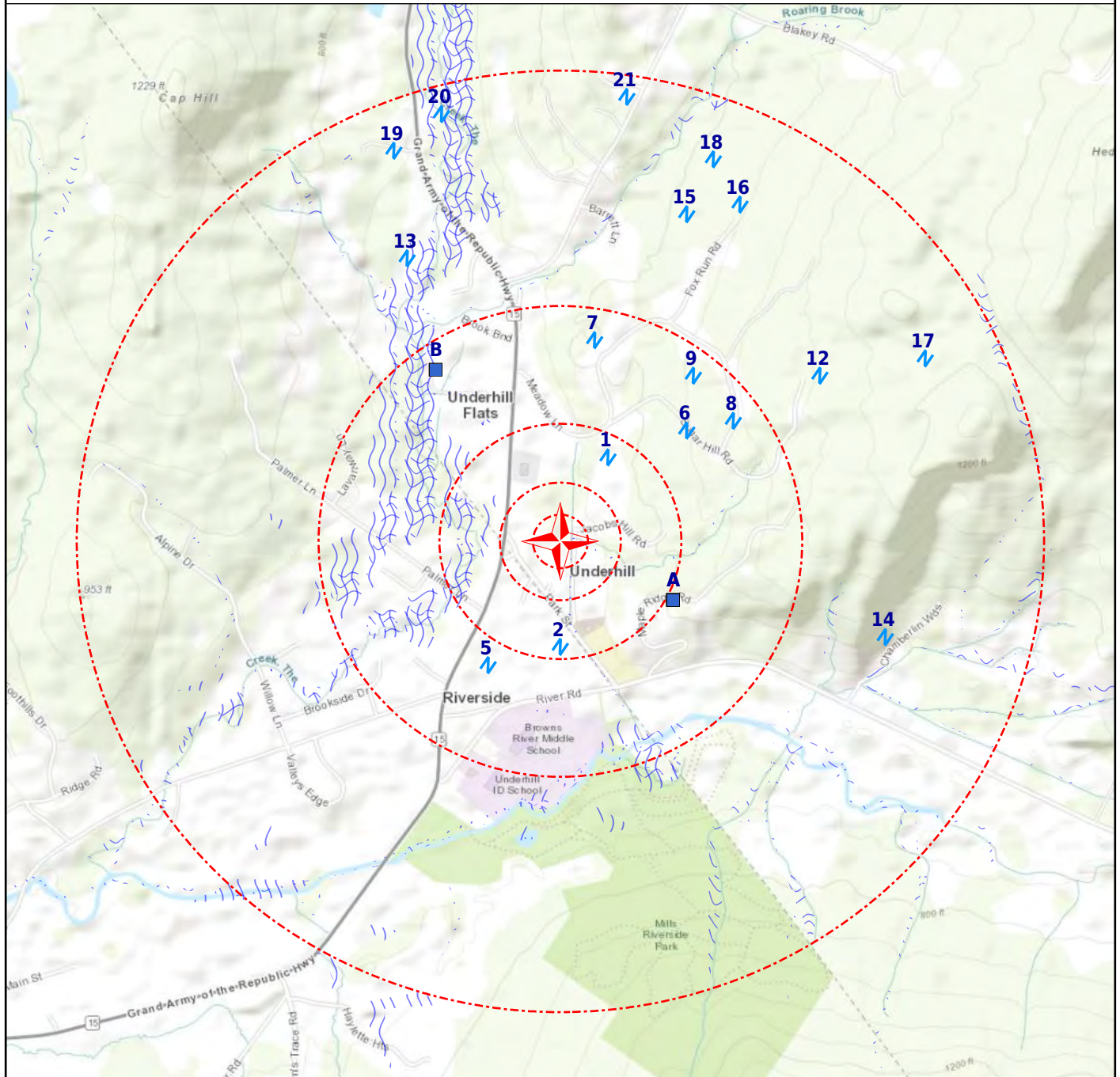
FEDERAL WATER AGENCY DATA SUMMARY: (cont.)

<u>MAP ID:</u>	<u>WELL ID:</u>	<u>LOCATION FROM SP:</u>
19	443214072570101	1/2 - 1 Mile NNW
20	443218072565401	1/2 - 1 Mile NNW
21	443220072562601	1/2 - 1 Mile N

Note: PWS System location is not always the same as well location.

SUBJECT NAME: Underhill Affordable Housing Project
 ADDRESS: 85 Harvest Run, Underhill, Vermont, 05489
 LAT/LONG: 44.525309 / -72.942831

PREPARED FOR: KAS, Inc.
 ORDER #: 51718
 REPORT DATE: March 03, 2021



- | | | | |
|--------------------|--------------------|------------------------------------|-------------------|
| ★ Subject Property | X Basins (No Data) | ■ Geologic Cluster with Water Well | ○ Geological Site |
| ⚡ NWIS | ⚡ NWIS | 〰 Wetlands | |

Site Name : 443140072562901
44.52782865, -72.94096
VT

Database(s) : [NWIS]

Envirosite ID: 16789248
EPA ID: N/R

NWIS

Site Identification Number :	443140072562901
Site Type :	Well
Station Name :	VT-UHW 22
Agency :	Vermont Department of Water Resources
District :	New Hampshire
State :	VT
County :	Chittenden County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	UNDERHILL
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	850.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	20
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Lamoille River
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19691006
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYYYNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	136
Hole Depth :	136
Source of Depth Data :	N/R
Project Number :	445002000
Real-Time Data Flag :	N/R
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	N/R
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	N/R
Field Water-Level Data Begin Date :	N/R
Field Water-Level Data End Date :	N/R
Field Water-Level Data Count :	N/R
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	N/R
Latitude :	44.52782865
Longitude :	-72.94096000
Last Date in Agency List :	11/27/2020

Site Name : 443119072563601
44.52199536, -72.9429042
VT

Database(s) : [NWIS]

NWIS

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Map Id: A3
 Direction: ESE
 Distance: 0.263 mi.
 Actual: 1387.171 ft.
 Elevation: 0.154 mi. / 813.238 ft.
 Relative: Higher

Site Name : VT0005096 | JERICHO UNDERHILL WATER-TREATMENT PLANT 1
 41 MAPLE RIDGE RD
 UNDERHILL, VT 05489
Database(s) : [PWS, PWS ENF]

EnviroSite ID: 6528312
EPA ID: N/R

PWS

Facility Address : 41 MAPLE RIDGE RD, UNDERHILL, VT 05489

PWS ID : VT0005096
 PWS Type : Community water system
 PWS Name : JERICHO UNDERHILL WATER
 Activity Status : Active
 Primary Source : Ground water
 Submission Year : 2019
 Submission Year Quarter : 2019Q4
 Population Served Count : 825
 Service Connections Count : 310
 Population Category 2 : <10,000
 Population Category 3 : <=3300
 Population Category 4 : <10K
 Population Category 5 : 501-3,300
 Population Category 11 : 501-1,000
 Submission Quarter : 4
 Submission Status Code : Y
 First Reported Date : 07/23/1981
 Last Reported Date : 11/19/2019
 Deactivation Date : N/R
 GW or SW : Groundwater
 Is Grant Eligible : Y
 Is Outstanding Performer : N/R
 Is School or Daycare : N
 Is Source Water Protected : N
 Primacy Agency : Vermont
 Primacy Type : State
 Org Name : OBRIEN, JOSEPH P
 EPA Region : Region 1
 Admin Name : OBRIEN, JOSEPH P
 Owner Type : Local government
 Phone Number : 802-899-3297
 Phone Ext Number : N/R
 Alt Phone Number : N/R
 Email Address : jpobrien47@comcast.net
 Fax Number : N/R
 Is Wholesaler : N
 LT2 Schedule Category : N/R
 NPM Candidate : Y
 CDS ID : N/R
 DBPR Schedule Category : N/R
 Outstanding Performer Date : N/R
 Season Begin Date : N/R
 Season End Date : N/R
 Source Water Protection Date : N/R
 Seasonal Startup System : N/R
 Reduced Monitoring Begin Date : N/R
 Reduced Monitoring End Date : N/R
 Reduced RTRC Monitoring : N/R
 Last Date in Agency List : 02/20/2020

PWS ID : VT0005096
 PWS Type : Community water system

Map Id: A3
 Direction: ESE
 Distance: 0.263 mi.
 Actual: 1387.171 ft.
 Elevation: 0.154 mi. / 813.238 ft.
 Relative: Higher

Site Name : VT0005096 | JERICHO UNDERHILL WATER-TREATMENT PLANT 1
 41 MAPLE RIDGE RD
 UNDERHILL, VT 05489
Database(s) : [PWS, PWS ENF] **(cont.)**

Envirosite ID: 6528312
EPA ID: N/R

PWS (cont.)

PWS Name :	JERICHO UNDERHILL WATER
Activity Status :	Active
Primary Source :	Ground water
Submission Year :	2020
Submission Year Quarter :	2020Q3
Population Served Count :	825
Service Connections Count :	310
Population Category 2 :	<10,000
Population Category 3 :	<=3300
Population Category 4 :	<10K
Population Category 5 :	501-3,300
Population Category 11 :	501-1,000
Submission Quarter :	3
Submission Status Code :	Y
First Reported Date :	07/23/1981
Last Reported Date :	08/17/2020
Deactivation Date :	N/R
GW or SW :	Groundwater
Is Grant Eligible :	Y
Is Outstanding Performer :	N/R
Is School or Daycare :	N
Is Source Water Protected :	N
Primacy Agency :	Vermont
Primacy Type :	State
Org Name :	OBRIEN, JOSEPH P
EPA Region :	Region 1
Admin Name :	OBRIEN, JOSEPH P
Owner Type :	Local government
Phone Number :	802-899-3297
Phone Ext Number :	N/R
Alt Phone Number :	N/R
Email Address :	jpobrien47@comcast.net
Fax Number :	N/R
Is Wholesaler :	N
LT2 Schedule Category :	N/R
NPM Candidate :	Y
CDS ID :	N/R
DBPR Schedule Category :	N/R
Outstanding Performer Date :	N/R
Season Begin Date :	N/R
Season End Date :	N/R
Source Water Protection Date :	N/R
Seasonal Startup System :	N/R
Reduced Monitoring Begin Date :	N/R
Reduced Monitoring End Date :	N/R
Reduced RTRC Monitoring :	N/R
Last Date in Agency List :	10/26/2020

PWS ENF

Facility Address :	41 MAPLE RIDGE RD, UNDERHILL, VT 05489
PWS ID :	VT0005096
PWS Name :	JERICHO UNDERHILL WATER
EPA Region :	Region 1

Map Id: A3
 Direction: ESE
 Distance: 0.263 mi.
 Actual: 1387.171 ft.
 Elevation: 0.154 mi. / 813.238 ft.
 Relative: Higher

Site Name : VT0005096 | JERICHO UNDERHILL WATER-TREATMENT PLANT 1
 41 MAPLE RIDGE RD
 UNDERHILL, VT 05489
Database(s) : [PWS, PWS ENF] (**cont.**)

EnviroSite ID: 6528312
EPA ID: N/R

PWS ENF (**cont.**)

Primacy Agency :	Vermont
PWS Type :	Community water system
Primacy Type :	State
Primary Source :	Ground water
Activity Status :	Active
Deactivation Date :	N/R
Owner Type :	Local government
Phone Number :	802-899-3297
Last Date in Agency List :	10/26/2020

Violation Details

RTC Enforcement ID :	1
Violation ID :	586507
Submission Year :	2020
Violation First Reported Date :	05/11/2007
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	UNDERHILL, 05489
Address Line 2 :	41 MAPLE RIDGE RD
Compliance Status :	Returned to Compliance
RTC Date :	09/25/2009
Enforcement Action Description :	State Compliance achieved
Admin Name :	OBRIEN, JOSEPH P
Email Address :	jpobrien47@comcast.net

RTC Enforcement ID :	1454412
Violation ID :	586508
Submission Year :	2020
Violation First Reported Date :	11/20/2012
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	UNDERHILL, 05489
Address Line 2 :	41 MAPLE RIDGE RD
Compliance Status :	Returned to Compliance
RTC Date :	09/21/2012
Enforcement Action Description :	State Compliance achieved
Admin Name :	OBRIEN, JOSEPH P
Email Address :	jpobrien47@comcast.net

Map Id: A3
 Direction: ESE
 Distance: 0.263 mi.
 Actual: 1387.171 ft.
 Elevation: 0.154 mi. / 813.238 ft.
 Relative: Higher

Site Name : VT0005096 | JERICHO UNDERHILL WATER-TREATMENT PLANT 1
 41 MAPLE RIDGE RD
 UNDERHILL, VT 05489
Database(s) : [PWS, PWS ENF] (**cont.**)

Envirosite ID: 6528312
EPA ID: N/R

PWS ENF (**cont.**)

RTC Enforcement ID : 1454421
 Violation ID : 586511
 Submission Year : 2020
 Violation First Reported Date : 06/22/2015
 Contaminant Name : TTHM
 Rule Family : Stage 2 Disinfectants and Disinfection Byproducts Rule
 Rule Group : Disinfectants and Disinfection Byproducts Rule
 Rule Name : Stage 2 Disinfectants and Disinfection Byproducts Rule
 Violation Type : Monitoring and Reporting (DBP)
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : UNDERHILL, 05489
 Address Line 2 : 41 MAPLE RIDGE RD
 Compliance Status : Returned to Compliance
 RTC Date : 08/04/2015
 Enforcement Action Description : State Compliance achieved
 Admin Name : OBRIEN, JOSEPH P
 Email Address : jpobrien47@comcast.net

RTC Enforcement ID : 1454421
 Violation ID : 586512
 Submission Year : 2020
 Violation First Reported Date : 06/22/2015
 Contaminant Name : Total Haloacetic Acids (HAA5)
 Rule Family : Stage 2 Disinfectants and Disinfection Byproducts Rule
 Rule Group : Disinfectants and Disinfection Byproducts Rule
 Rule Name : Stage 2 Disinfectants and Disinfection Byproducts Rule
 Violation Type : Monitoring and Reporting (DBP)
 Is Health Based : N
 Is Major Violation : Y
 Severity Indicator Count : N/R
 Public Notification Tier : 3
 Address Line 1 : UNDERHILL, 05489
 Address Line 2 : 41 MAPLE RIDGE RD
 Compliance Status : Returned to Compliance
 RTC Date : 08/04/2015
 Enforcement Action Description : State Compliance achieved
 Admin Name : OBRIEN, JOSEPH P
 Email Address : jpobrien47@comcast.net

RTC Enforcement ID : 1454422
 Violation ID : 586496
 Submission Year : 2020
 Violation First Reported Date : 11/20/1996
 Contaminant Name : Coliform (TCR)
 Rule Family : Total Coliform Rules
 Rule Group : Microbials
 Rule Name : Total Coliform Rule
 Violation Type : Maximum Contaminant Level Violation, Monthly (TCR)
 Is Health Based : Y
 Is Major Violation : N/R
 Severity Indicator Count : N/R

Envirosite ID: 6528312
EPA ID: N/R

Public Notification Tier :	2
Address Line 1 :	UNDERHILL, 05489
Address Line 2 :	41 MAPLE RIDGE RD
Compliance Status :	Returned to Compliance
RTC Date :	09/03/2019
Enforcement Action Description :	State Compliance achieved
Admin Name :	O'BRIEN, JOSEPH P
Email Address :	jpobrien47@comcast.net

Envirosite ID: 16791342
EPA ID: N/R

[illegible]

Geological Landscape Section Map Findings

2021

Map Id: A4
Direction: ESE
Distance: 0.265 mi.
Actual: 1398.228 ft.
Elevation: 0.153 mi. / 805.869 ft.
Relative: Higher

Site Name : 443124072561901
44.52338427, -72.9381819
VT

Database(s) : [NWIS] (*cont.*)

Envirosite ID: 16791342
EPA ID: N/R

NWIS (cont.)

Real-Time Data Flag :	N/R
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	N/R
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	N/R
Field Water-Level Data Begin Date :	N/R
Field Water-Level Data End Date :	N/R
Field Water-Level Data Count :	N/R
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	N/R
Latitude :	44.52338427
Longitude :	-72.93818190
Last Date in Agency List :	11/27/2020

Map Id: 5
Direction: SW
Distance: 0.309 mi.
Actual: 1629.199 ft.
Elevation: 0.131 mi. / 691.112 ft.
Relative: Lower

Site Name : 443117072564701
44.52143978, -72.9459598
VT
Database(s) : [NWIS]

Envirosite ID: 16792663
EPA ID: N/R

NWIS

[illegible]

Map Id: 5
 Direction: SW
 Distance: 0.309 mi.
 Actual: 1629.199 ft.
 Elevation: 0.131 mi. / 691.112 ft.
 Relative: Lower

Site Name : 443117072564701
 44.52143978, -72.9459598
 VT
Database(s) : [NWIS] (*cont.*)

Envirosite ID: 16792663
EPA ID: N/R

NWIS (*cont.*)

National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	373
Hole Depth :	373
Source of Depth Data :	N/R
Project Number :	445002000
Real-Time Data Flag :	N/R
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	N/R
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	N/R
Field Water-Level Data Begin Date :	N/R
Field Water-Level Data End Date :	N/R
Field Water-Level Data Count :	N/R
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	N/R
Latitude :	44.52143978
Longitude :	-72.94595980
Last Date in Agency List :	11/27/2020

Map Id: 6
 Direction: ENE
 Distance: 0.346 mi.
 Actual: 1824.376 ft.
 Elevation: 0.166 mi. / 875.489 ft.
 Relative: Higher

Site Name : 443143072561701
 44.528662, -72.9376266
 VT
Database(s) : [NWIS]

Envirosite ID: 16789801
EPA ID: N/R

NWIS

Site Identification Number :	443143072561701
Site Type :	Well
Station Name :	VT-UHW 24
Agency :	Vermont Department of Water Resources
District :	New Hampshire
State :	VT
County :	Chittenden County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	UNDERHILL
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	870.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	20
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Lamoille River
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO

Map Id: 6
 Direction: ENE
 Distance: 0.346 mi.
 Actual: 1824.376 ft.
 Elevation: 0.166 mi. / 875.489 ft.
 Relative: Higher

Site Name : 443143072561701
 44.528662, -72.9376266
 VT
Database(s) : [NWIS] (*cont.*)

Envirosite ID: 16789801
EPA ID: N/R

NWIS (*cont.*)

Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19711029
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	70.0
Hole Depth :	70.0
Source of Depth Data :	N/R
Project Number :	445002000
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1971-10-29
Field Water-Level Data End Date :	1971-10-29
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	44.52866200
Longitude :	-72.93762660
Last Date in Agency List :	11/27/2020

Map Id: 7
 Direction: NNE
 Distance: 0.429 mi.
 Actual: 2262.762 ft.
 Elevation: 0.156 mi. / 824.564 ft.
 Relative: Higher

Site Name : 443153072563101
 44.5314397, -72.9415158
 VT
Database(s) : [NWIS]

Envirosite ID: 16795012
EPA ID: N/R

NWIS

Site Identification Number :	443153072563101
Site Type :	Well
Station Name :	VT-UHW 16
Agency :	Vermont Department of Water Resources
District :	New Hampshire
State :	VT
County :	Chittenden County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	UNDERHILL
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	830.00

Geological Landscape Section Map Findings

2021

Map Id: 7
Direction: NNE
Distance: 0.429 mi.
Actual: 2262.762 ft.
Elevation: 0.156 mi. / 824.564 ft.
Relative: Higher

Site Name : 443153072563101
44.5314397, -72.9415158
VT

Database(s) : [NWIS] (**cont.**)

Envirosite ID: 16795012
EPA ID: N/R

NWIS (cont.)

[illegible]

Map Id: 8
Direction: ENE
Distance: 0.432 mi.
Actual: 2282.972 ft.
Elevation: 0.179 mi. / 945.571 ft.
Relative: Higher

Site Name : 443144072561001
44.5289398, -72.9356822
VT

Database(s) : [NWIS]

Envirosite ID: 16792031
EPA ID: N/R

NWIS

Site Identification Number :	443144072561001
Site Type :	Well
Station Name :	VT-UHW 104
Agency :	Vermont Department of Water Resources
District :	New Hampshire

Site Name : 443144072561001
44.5289398, -72.9356822
VT

Database(s) : [NWIS] (**cont.**)

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Site Name : 443149072561601
44.53032866, -72.937349
VT
Database(s) : [NWIS]

Envirosite ID: 16794969
EPA ID: N/R

NWIS

[illegible]

Site Name : 443150072565401
44.53060636, -72.9479048
VT

Database(s) : [NWIS]

Envirosite ID: 16793982
EPA ID: N/R

NWIS

[illegible]

Site Name : 443150072565501
44.53060635, -72.9481826
VT

Database(s) : [NWIS]

Envirosite ID: 16792802
EPA ID: N/R

NWIS

[illegible]

Site Name : 443149072555701
44.5303287, -72.932071
VT

Database(s) : [NWIS]

Envirosite ID: 16795555
EPA ID: N/R

NWIS

[illegible]

Map Id: 13
 Direction: NW
 Distance: 0.676 mi.
 Actual: 3569.356 ft.
 Elevation: 0.133 mi. / 704.475 ft.
 Relative: Higher

Site Name : 443202072565901
 44.53393965, -72.949294
 VT
Database(s) : [NWIS]

Envirosite ID: 16795558
EPA ID: N/R

NWIS

Site Identification Number :	443202072565901
Site Type :	Well
Station Name :	VT-JEW 14
Agency :	Vermont Department of Water Resources
District :	New Hampshire
State :	VT
County :	Chittenden County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	UNDERHILL
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	710.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Lamoille River
Drainage Basin :	N/R
Topographic Setting :	Alluvial terrace
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19661117
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	41.0
Hole Depth :	41.0
Source of Depth Data :	N/R
Project Number :	445002000
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1966-11-17
Field Water-Level Data End Date :	1966-11-17
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	44.53393965
Longitude :	-72.94929400
Last Date in Agency List :	11/27/2020

Site Name : 443120072554701
44.5222732, -72.9292927
VT

Database(s) : [NWIS]

Envirosite ID: 16792671
EPA ID: N/R

NWIS

[illegible]

Site Name : 443207072561701
44.5353286, -72.937627
VT

Database(s) : [NWIS]

Envirosite ID: 16789261
EPA ID: N/R

NWIS

[illegible]

Site Name : 443208072560901
44.5356064, -72.9354048
VT

Database(s) : [NWIS]

Envirosite ID: 16792056
EPA ID: N/R

NWIS

Site Identification Number :	443208072560901
Site Type :	Well
Station Name :	VT-UHW 103
Agency :	Vermont Department of Water Resources
District :	New Hampshire
State :	VT
County :	Chittenden County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	UNDERHILL
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	870.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	20
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Lamoille River
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19790725
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYYYNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	97.0
Hole Depth :	97.0
Source of Depth Data :	N/R
Project Number :	445002000
Real-Time Data Flag :	N/R
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	N/R
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	N/R
Field Water-Level Data Begin Date :	N/R
Field Water-Level Data End Date :	N/R
Field Water-Level Data Count :	N/R
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	N/R
Latitude :	44.53560640
Longitude :	-72.93540480
Last Date in Agency List :	11/27/2020

Site Name : 443151072554101
44.53088428, -72.92762649
VT

Database(s) : [NWIS]

Envirosite ID: 16790363
EPA ID: N/R

NWIS

[illegible]

Site Name : 443213072561301
44.53699527, -72.93651599
VT
Database(s) : [NWIS]

Envirosite ID: 16795290
EPA ID: N/R

NWIS

[illegible]

Map Id: 19
 Direction: NNW
 Distance: 0.896 mi.
 Actual: 4731.068 ft.
 Elevation: 0.138 mi. / 726.729 ft.
 Relative: Higher

Site Name : 443214072570101
 44.53727295, -72.9498497
 VT
Database(s) : [NWIS]

EnviroSite ID: 16791448
EPA ID: N/R

NWIS

Site Identification Number :	443214072570101
Site Type :	Well
Station Name :	VT-UHW 15
Agency :	Vermont Department of Water Resources
District :	New Hampshire
State :	VT
County :	Chittenden County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	UNDERHILL
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	730.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Lamoille River
Drainage Basin :	N/R
Topographic Setting :	Alluvial terrace
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19700827
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	80.0
Hole Depth :	80.0
Source of Depth Data :	N/R
Project Number :	445002000
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1970-08-27
Field Water-Level Data End Date :	1970-08-27
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	44.53727295
Longitude :	-72.94984970
Last Date in Agency List :	11/27/2020

Site Name : 443218072565401
44.53838407, -72.9479053
VT

Database(s) : [NWIS]

Envirosite ID: 16790385
EPA ID: N/R

NWIS

[illegible]

Map Id: 21
 Direction: N
 Distance: 0.951 mi.
 Actual: 5022.341 ft.
 Elevation: 0.165 mi. / 871.037 ft.
 Relative: Higher

Site Name : 443220072562601
 44.53893968, -72.9401273
 VT
Database(s) : [NWIS]

Envirosite ID: 16794078
EPA ID: N/R

NWIS

Site Identification Number :	443220072562601
Site Type :	Well
Station Name :	VT-UHW 57
Agency :	Vermont Department of Water Resources
District :	New Hampshire
State :	VT
County :	Chittenden County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	UNDERHILL
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	860.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	20
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Lamoille River
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19770627
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	350
Hole Depth :	350
Source of Depth Data :	N/R
Project Number :	445002000
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1977-07-19
Field Water-Level Data End Date :	1977-07-19
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	44.53893968
Longitude :	-72.94012730
Last Date in Agency List :	11/27/2020

RADON DATA:

STATE SOURCE: No Available Data

FEDERAL AREA RADON INFORMATION FOR: 05489

NUMBER OF SAMPLE SITES: 2

<u>Area:</u>	<u>Average Activity:</u>	<u>% <4 pCi/L:</u>	<u>% 4-20 pCi/L:</u>	<u>% >20 pCi/L:</u>
basement	0.95 pCi/L	100%	0%	0%

HIST PWS ENF

Historical Public Water Supply locations with Enforcement Violations

Environmental Protection Agency

(800) 426-4791

List of Safe Drinking Water Information Systems (SDWIS) with enforcement violations that are no longer in current agency list.

NWIS

National Water Information Systems

United States Geological Society

(703) 648-5953

Information on all water resources for the United States. This database contains all current and historical data for the nation.

PWS

Public Water Supply

Environmental Protection Agency

(800) 426-4791

Safe drinking water information Systems

PWS ENF

Public Water Supply locations with Enforcement Violations

Environmental Protection Agency

(800) 426-4791

Safe drinking water information Systems with enforcement violations

FLOOD Q3

Flood data

Environmental Protection Agency

(202) 566-1667

Q3 Flood Data

HYDROLOGIC UNIT

Hydrologic Unit Maps

USGS

The United States Geological Survey created a hierarchical system of hydrologic units originally called regions, sub-regions, accounting units, and cataloging units. Each unit was assigned a unique Hydrologic Unit Code (HUC). As first implemented the system had 21 regions, 221 subregions, 378 accounting units, and 2,264 cataloging units. Over time the system was changed and expanded. As of 2010 there are six levels in the hierarchy, represented by hydrologic unit codes from 2 to 12 digits long, called regions, subregions, basins, subbasins, watersheds, and subwatersheds. The table below describes the system's hydrologic unit levels and their characteristics, along with example names and codes.

WETLANDS NWI

National Wetland Inventory

U.S. Fish and Wildlife Service

(703) 358-2171

Wetland Inventory for the United States

WETLANDS - VT

Wetlands

Vermont Center for Geographic Information, Inc.

(802) 882-3003

Wetlands Inventory

SSURGO

Detailed Soil Data Map

Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985

Detailed Soil Data Map

STATSGO & MUI

General Soil Data Map

Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985

General Soil Data Map

USGS GEOLOGIC AGE

USGS Digital Data Series DDS

Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985

USGS Digital Data Series DDS: Geologic Age and Rock Stratigraphic Unit

RADON

National Radon Database

USGS

703-605-6008

A study of the EPA/State Residential Radon Survey and the National Residential Radon Survey.

AIRPORT FACILITIES

Airport landing facilities

Federal Aviation Administration

(866) 835-5322

Airport landing facilities

BASINS

Better Assessment Science Integrating point & Non-point Sources

U.S. Environmental Protection Agency

855-246-3642

Integrated geographical information system national watershed data and environmental assessment known as Better Assessment Science Integrating point & Non-point Sources

DIGITAL OBSTACLE

Obstacles of interest to aviation users

Federal Aviation Administration

855-379-6518

The Digital Obstacle File describes all known obstacles of interest to aviation users in the U.S. with limited coverage of the Pacific the Caribbean Canada and Mexico. The obstacles are assigned unique numerical identifiers; accuracy codes and listed in order of ascending latitude within each state or area by FAA Region.

EPICENTERS

National Geographical Data Center

National Geographical Data Center

303-497-6826

List of recent and historic earthquakes and information.

FLOOD DFIRM

National Flood Hazard Layer Database

Federal Emergency Management Agency

The National Flood Hazard Layer Database (NFHL) is a computer database that contains the flood hazard map information from FEMA's Flood Map Modernization program. These map data are from Digital Flood Insurance Rate Map (DFIRM) databases and Letters of Map Revision.



APPENDIX D

SITE RECONNAISSANCE CHECKLIST

KAS, Inc.

Site Reconnaissance Checklist

Phase I Environmental Site Assessment ASTM E 1527-13

KAS Project No.: 503210610

Date: 3/11/2021

Site Name: Underhill Affordable Housing Site

Location: Harvest Run, Underhill, VT

Inspector: Jeremy Roberts

Weather: ~ 40 deg.F, sunny

Accompanied By: Nobody

Title, or Relationship to the Property: N/A

Telephone: N/A

Section 1. General Site Setting (ASTM E-1527-13 Section 9.4.1)

A. Current uses of the property (Section 9.4.1.1): Describe current property uses with emphasis on those likely to involve use, treatment, storage, disposal and/or generation of hazardous substances and/or petroleum products. Generate site sketch map (or obtain existing site plans). Include an estimate of the subject property boundaries. Include detail sketches if appropriate. Describe structures and other improvements on the property.

- The property consists of one irregular shaped parcel containing ~ 15.70 acres. No development was noted on the property.

B. Past uses of the property (Section 9.4.1.2): To the extent visually evident, describe past property uses with emphasis on those likely to involve use, treatment, storage, disposal and/or generation of hazardous substances and/or petroleum products.

- Differing past use was not visually evident.

C. Current and past uses of adjoining properties (Section 9.4.1.3 and 9.4.1.4.): To the extent visually identifiable from the subject property, list current uses of adjoining properties with emphasis on those likely to indicate recognized environmental conditions on the subject property. If past uses of adjoining properties with such potential are evident list these also.

- The following properties were noted to adjoin the property:

North: Residential properties with the Village Service & Auto Repair to the northwest

South: Residential properties

East: Residential properties

West: Mix of residential properties, United Church of Underhill and Underhill Fire Department. A wooded area lies adjacent to the property along the approximate center of the property which was noted to be used for storage of various materials.

KAS, Inc.

Site Reconnaissance Checklist

Phase I Environmental Site Assessment ASTM E 1527-13

- D. Current or past uses in the surrounding area (Section 9.4.1.5): To the extent visually identifiable from the subject property and public thoroughfares in the vicinity, describe general area development with potential to indicate recognized environmental conditions with the subject property.
- The surrounding properties would likely be similar to what was currently observed. No past uses were evident. Commercial and retail development is generally present further to the west, northwest and south.
- E. Geologic, Hydrogeologic, Hydrologic and Topographic Conditions (Section 9.4.1.6): Describe the overall property setting. Describe natural bodies of water (including springs and seeps) and possible wetlands on subject property and indicate location(s) on site sketch map. Note presence of exposed bedrock on property grounds and indicate general location(s) on site sketch map.
- The property is generally flat throughout. No bedrock outcroppings were noted. A stream was noted to run along the southeastern side of the property.
- F. General Description of Structures (Section 9.4.1.7): Describe structures or other improvements on the property including number and size of buildings, footprints, number of stories each, approximate age of buildings, occupancy status, pavement, fences, foundations/ruins, utilities, product pipelines, and ancillary structures such as railroad spurs and power transmission lines.
- No structures were noted on the property.
- G. Roads (Section 9.4.1.8): List public thoroughfares, roads, streets and parking facilities adjoining / on the subject property.
- The property can be accessed via walking off of Harvest Run and Jacobs Hill Road.
- H. Potable Water Supply (Section 9.4.1.9): Identify potable water supply source(s) for the subject property as apparent from visual inspection.
- No potable water source was noted for the property.
- I. Sewage Disposal System (Section 9.4.1.10): Identify current sewage disposal system as apparent from visual inspection.
- No sewage disposal source was noted for the property.

Section 2. Interior and Exterior Observations (ASTM E-1527-13 Section 9.4.2)

- A. Current and Past Property Use (Sections 9.4.2.1 and 9.4.2.2): If building structures are identified on the subject property, visually inspect accessible common areas (lobbies, hallways), maintenance and repair areas (boiler rooms) and a representative sample of occupant spaces. Identify below which interior spaces were inspected and describe. Also note which interior spaces were not inspected.
- A representative view of the property was noted.

KAS, Inc.

Site Reconnaissance Checklist

Phase I Environmental Site Assessment ASTM E 1527-13

- B. Hazardous Substances and Petroleum Products and Unidentified Containers (Sections 9.4.2.3, 9.4.2.8 and 9.4.2.9): List apparent hazardous substances, petroleum products, pollutants, contaminants, unidentified containers and raw materials observed interior to any buildings. Include type, container size and quantity, locations and whether stored appropriately. Note presence or absence of labeling, content according to labels, drum condition. Are adverse environmental conditions observed? Obtain/ review Material Safety Data Sheets if possible.

No hazardous substances or petroleum products were noted on the property. A few drums and containers of unknown contents were noted on the adjacent wooded parcel to the west.

- C. Storage Tanks (Section 9.4.2.4): Identify ASTs and USTs on the subject property. Note pumps, fill pipes, vents, access ways, concrete pads, saw cuts in paved areas, etc. Determine location, size and construction material to the extent visually identifiable, apparent contents, spill/ release protection, containment measures, status (active or inactive). Note upgrades such as corrosion protection, spill and overflow protection, secondary containment systems, etc. Note visual evidence of whether tank(s) have been taken out of operation, removed, closed in place, or otherwise closed.

- No storage tanks were noted on the property.

- D. Odors (Section 9.4.2.5): Note strong, pungent, or noxious odors and attempt to identify source.

- None observed

- E. Pools of Liquid (Section 9.4.2.6): Note standing surface water, and pools or sumps containing liquids likely to be hazardous substances or petroleum products, to the extent visually identifiable.

- None observed

- F. Drums (Section 9.4.2.7): Identify drums potentially containing hazardous substances, petroleum products, pollutants, or contaminants. Identify storage methods including whether release protection measures are in place. Are adverse environmental conditions such as leakage, weeping or overfilling observed? If drums are identified, indicate whether they are labeled and identify drum contents according to labeling.

- No drums were noted on the property. At least one drum and several containers of unknown contents were noted on the adjacent wooded parcel to the west.

- G. PCBs (Section 9.4.2.10): List suspect sources of polychlorinated biphenyls (PCBs) such as electrical or other equipment with potential to contain PCBs (transformers, circuit breakers, capacitors, hydraulic fluids, pesticide extenders, lubricants, cutting oils, vacuum pumps, heat transfer systems, plasticizer applications). Fluorescent light ballasts need not be noted. Note with respect to each whether known to contain PCBs (as indicated by labeling), name of utility company (if applicable) and serial numbers, other marks, manufacturer, and model number; evidence of spill or release. Indicate location(s) on site sketch map.

- No suspect sources of PCBs were noted on the property.

Section 3. Interior Observations (ASTM E-1527-13 Section 9.4.3)

- A. Heating/Cooling (Section 9.4.3.1): Identify current fuel source(s) for heating and cooling. If possible to identify past fuel sources for heating and cooling, list these also.

- N/A

KAS, Inc.

Site Reconnaissance Checklist

Phase I Environmental Site Assessment ASTM E 1527-13

- B. Stains/Corrosion (Section 9.4.3.2): Identify stains or corrosion of floors, walls, or ceilings except for staining from water.

- N/A

- C. Drains and Sumps (Section 9.4.3.3): Identify floor drains, other drains, ditches, and sumps interior to buildings. Note the presence or absence of wastewater or other liquid discharge, and sediments, in or into these structures. Describe whether flowing or pooled, sheens, color, odor. Note processes active in their vicinity and whether drains are sealed or operational. Can discharge pipes be seen and if so, note the direction they exit the floor drain. Do drains daylight on the property?

- N/A

Section 4. Exterior Observations (ASTM E-1527-13 Section 9.4.4)

- A. Pits, Ponds and Lagoons (Section 9.4.4.1): Note pits, pools, ponds, lagoons, sumps, or catch basins and indicate location on site sketch map and indicate whether they appear to have been used in connection with waste disposal or treatment.

- None observed

- B. Stained soil or pavement (Section 9.4.4.2): Note stained soil or pavement.

- None observed. Snow covered the ground on the day of the site inspection.

- C. Stressed Vegetation (section 9.4.4.3): Note areas of stressed vegetation from cause other than lack of water and indicate location on site sketch map.

- None observed. Snow covered the ground on the day of the site inspection.

- D. Solid Waste (Section 9.4.4.4): Note landfills for solid waste or hazardous waste and whether active or abandoned. Note presence of trash and/or construction debris. Note areas that are apparently filled or graded by non-natural causes or filled with material of unknown origin, mounds, or depressions suggesting solid waste disposal.

- No solid waste was noted on the property. Evidence of solid waste storage including several piles of tires, old appliances, vehicle parts, drums and containers of unknown content were noted on the adjacent wooded parcel to the west.

- E. Drains and Waste Water (Section 9.4.4.5): Describe wastewater or other liquid (including storm water) discharge into drain, ditch, or stream on or adjacent to the subject property. Note the condition of wastewater or liquid discharge (e.g., water flowing or pooled, sheens on the liquid surface, color, odor)

- No drains or wastewater was noted on the property.

- F. Wells (Section 9.4.4.6): Note active or inactive wells on the subject property (including oil or gas wells, injection wells, irrigation wells, groundwater monitoring wells, dry wells, abandoned wells, or other wells) and indicate location on site sketch map.

- No evidence of wells was observed.

- G. Septic Systems (Section 9.4.4.7): Indicate whether evidence exists of on-site septic systems and/or cesspools, to the extent visually identifiable.

- No evidence of a private septic system was noted.

KAS, Inc.

Site Reconnaissance Checklist

Phase I Environmental Site Assessment ASTM E 1527-13

H. Limitations (Section 9.2.4): Identify condition(s) which prevented thorough inspection of building interiors and/or property grounds (snow cover, denied access, safety or structural issues).

- Snow covered the ground on the day of the site inspection.

I. Additional Site Reconnaissance Observations: This section is used to describe other contract specific requests not addressed above, whether ASTM or non-ASTM criteria are used to evaluate the specific feature (Attach additional pages as needed.)

- None



APPENDIX E

SITE PHOTOGRAPHS



Photographic Documentation
Phase I Environmental Site Assessment
Underhill Affordable Housing Site
16 Harvest Run, Proposed Lot #6, Underhill, VT
KAS # 503210610

Photograph ID: 001

Date: March 11, 2021

Location:
Property

Direction:
Facing Northwest

View of the parcel from the southeastern corner. Perennial stream is in the foreground. Wooded parcel to the west can be seen in the distance.



Photograph ID: 002

Date: March 11, 2021

Location:
Property

Direction:
Southwest

Comments:

View of Underhill United Church to the southwest of property. Wooded area to west is also visible.





Photographic Documentation
Phase I Environmental Site Assessment
Underhill Affordable Housing Site
16 Harvest Run, Proposed Lot #6, Underhill, VT
KAS # 503210610

Photograph ID: 003

Date: March 11, 2021

Location:
Wooded area to the west of
property.

Direction:

-

Comments:

Picture of drum observed on
adjacent wooded lot to the west of
the property.



Photograph ID: 004

Date: March 11, 2021

Location:
Wooded area to the west of

Direction:
Facing Northwest

Comments:

Additional debris observed in
the wooded area to the west of
the property.





APPENDIX F

INTERVIEW DOCUMENTATION

QUESTIONNAIRE FOR INTERVIEW

Name of person being interviewed: Phil Jacobs

Title and address: Owner

In person or telephone: Telephone

Telephone Number: (802) 899-2511

Association with Property: Owner

Date of Interview: 3/22/2021

Name of person conducting interview: Jeremy Roberts (KAS)

“To the Best of your Knowledge”

1. Please provide a description of the property, its current use and past uses.

The property consists of an open field which is used for recreational type use by locals. He has the property hayed up to three times each year.

2. Has the property or an adjacent property ever been used for agriculture, mineral, commercial or industrial purposes? If yes, explain.

Not to his knowledge

3. Are any past or present improvements such as old building foundations, evident on the property: if yes, explain:

No

4. Have there been or are there any unnatural topographic features such as mounds, fill areas, depressions, etc.? If yes, explain.

No.

5. Has fill dirt ever been brought onto the property that originated from a contaminated site or that was of an unknown origin? If yes, explain.

No.

KAS, Inc.
Interview Questionnaire - Phase I ESA User
Phase I Environmental Site Assessment ASTM1527-13 X3

Date: March 15, 2021
Site name: 16 Harvest Run Lot 6
Location: Underhill, VT
Person Interviewed: Sandy Wilmot
Title/Affiliation: United Church of Underhill member
Relationship to Subject Property: Member of the UCU Land Team
Church address: 7 Park St., Underhill, VT
Contacts phone: 802-899-4366

1. Environmental Liens : Retention pond from homes on Jacob's Hill and Min's Lane
2. Activity and Use Limitations: None
3. Specialized knowledge or experience with property: The UCU is an adjoining property and has used the property each fall for hay rides during a special event.
4. Fair market purchase price: the purchase price seems reasonable and consistent with other land prices. Actual town assessed tax value is the selling price.
5. Information about the property:
 - a. The meadow is used as a hayfield and has been as far back as we can determine.
 - b. We are not aware of any chemicals currently present or present in the past.
 - c. We are not aware of any chemical releases at the property.
 - d. We are not aware of any environmental cleanups that have taken place at the property.
6. Obvious indicators of contamination: None

X3.

- A. Reason for Phase I assessment: requirements for a Vermont Community Development Program Planning Grant.
- B. Type of property and transaction: This is an open field being purchased.
- C. Address: 16 Harvest Run (map already provided)

6. Have any of the following been dumped above grade, or buried and/or burned on the property: hazardous substances or petroleum products (except when burned for heating), tires, automotive or industrial batteries, vehicles, barrels, pesticide containers or other waste materials? If yes, explain.

Not that he is aware of

7. Has there been any past, present or permitted or planned mining activity or oil and gas exploration or development on the property? If yes, explain.

No

8. Are there or have there ever been pipelines or utility lines, either buried or overhead, crossing the property and have there been spills or releases associated with them? If yes, explain.

No

9. Are PCBs present or have PCBs ever been present in transformers, capacitors, or hydraulic equipment on the property and have there been any releases? If yes, explain.

No

10. Is there or has there been any storage, mixing or disposal of pesticides on the property? Note: disposal means other than normal intended use of the product. If yes, explain.

No

11. Have any monitoring wells been installed in the property? If yes, explain any the purpose of the wells and provide any analytical results.

No

12. If the property is served by a private well have contaminants ever been identified in the well that exceeded acceptable levels? If yes, explain.

N/A

13. If surface water is present, are there or have there been any unnatural characteristics such as color, sheens, odors, etc.? If yes, explain.

No

14. Are there or have there been pits, ponds or lagoons associated with waste treatment or waste disposal on the property? If yes, explain.

No

15. Has the property discharged waste water (not including stormwater runoff) on or adjacent to the property? If yes, explain.

No

16. Is there or has there been stressed or dead vegetation present? If yes, explain.

No

17. Are floor drains present? If yes, explain and indicate whether the drains are connected to municipal sewer or whether they discharge on site.

No buildings are present

18. Are there or have there been any floors, drains or walls stained by substances other than water or which are emitting foul and/or unnatural odors? If yes, explain.

No buildings are present

19. Have radon, asbestos containing materials or lead based paint ever been identified in any on site structures? If yes, explain.

No buildings are present

20. Are there or were there ever above ground or underground storage tanks on the property? If yes, explain.

No

21. Have hazardous substances been stored on the property? If yes, explain.

No

22. Have there been any industrial drums, sacks or chemicals located or dumped on the property? If yes, explain.

No

23. Have there been any environmental permits or licenses associated with the property? If yes, explain.

No

24. Have there been any compliance / enforcement notices or environmental liens relating to past or recurrent violations of environmental laws with respect to the property or any facility on the property? If yes, explain.

No

25. Has an environmental site assessment of the property indicated the presence of hazardous substances, petroleum products or other potential environmental problems on the property, or recommended further assessments? If yes, explain.

No

26. Are you aware of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substances or petroleum products on the property? If yes, explain.

No

27. Have there been spills of hazardous substances or petroleum products on the property? If yes, explain and indicate whether these spills were reported to regulatory authorities.

No

28. Are material safety data sheets available for the facility? If yes, attempt to view.

No

29. If a purchase, does the purchase price reasonably reflect fair market value? If not, has the price been discounted due to real or perceived contamination?

Yes

30. If not mentioned above, is there anything else that could indicate the presence of hazardous substance and petroleum products which may impact the property? If yes, explain.

No. Mr. Jacobs was asked about the adjacent wooded triangular lot to the west and he said that lot is owned by the Underhill Garage and was previously used by Clark's Truck Center as a junkyard in the 1950's. He believes they primarily stored car parts there. He does not believe anyone is currently using it but old junk likely remains.



APPENDIX G

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS



**KAS, INC.
PROFESSIONAL PROFILE**

JEREMY P. ROBERTS, P.G.

TITLE	Environmental Program Manager / Senior Scientist
EXPERTISE	Environmental program project management. Collection of environmental samples and operation and maintenance of hazardous waste treatment systems. Project management, geological investigations, hazardous waste site assessments, water system monitoring and maintenance, groundwater and soil contamination, remedial system design, installation, and operation. Wetland delineation. Phase I and Phase II Environmental Site Assessments.
EXPERIENCE	<p>KAS, Inc., Williston, VT October 2004 – Present. Management of KAS' environmental projects/ programs, including environmental site assessments, UST removals, site investigations, and environmental clean up activities. Foster technical innovation, quality control and assurance on projects and written materials. Business development activities for environmental programs. Project Management.</p> <p>Griffin International, Inc., Williston, VT January 2002 – October 2004. Project management. Technical report writing. Geological investigations. Hazardous waste site assessments. Phase I and Phase II environmental site assessments. Collection of groundwater, surface water, and soil samples, soil screening, and soil vapor extraction system monitoring and maintenance.</p>
ACADEMIC BACKGROUND	BS, Plant and Soil Science, University of Vermont. May 1999.
PROFESSIONAL QUALIFICATIONS	New York Licensed Geologist #000453-1 ASTM/EPA Environmental Professional 40 Hour OSHA 29CFR1910.120 Hazardous Worker Training 40 Hour Certification in Federal Wetland Delineation, Identification, and Classification. Vermont Certified Asbestos Site Inspector ASTM Phase I Environmental Site Assessment Practices For Commercial Real Estate: Transaction Screen & Phase I Site Assessment, April 2012 IAQ/IH Sampling Workshop, August 2012 Practical Guide to Vapor Intrusion Course, April 2016