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**FOCUSED SITE INVESTIGATION
Amherst Fire Station
177 Amherst Street
Amherst, NH**

**NHDES Site #: 202203049
Project Type: Unsolicited Site Assessment
(HWRB Reviewed)
Project Number: 40542**

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Focused Site Investigation

AMHERST FIRE STATION

Amherst, New Hampshire

NHDES Site #202203049

Prepared for the Town of Amherst, NH

File No. 5439.01

February 16, 2023

TABLE OF CONTENTS

1.0	INTRODUCTION.....	1
1.1	Site Background.....	1
2.0	OBJECTIVES AND SCOPE OF SERVICES.....	3
2.1	Subsurface Utility Notification.....	3
2.2	Soil Sampling and Analysis.....	4
3.0	SUMMARY OF INVESTIGATION FINDINGS.....	4
3.1	Desktop Assessment of Hydrogeologic Setting, Potential Nearby Source Areas,.....	5
	and Potential Receptors.....	5
3.1.1	Hydrogeologic Setting.....	5
3.1.2	Potential Nearby Sources Areas.....	6
3.1.3	Potential Receptors.....	8
3.2	Ground Penetrating Radar (GPR) Survey Results.....	9
3.3	Summary of Results.....	9
3.3.1	Summary of Soil Analytical Results.....	9
3.3.2	Summary of Groundwater Data Reported by Others.....	10
4.0	CONCEPTUAL SITE MODEL.....	10
5.0	CONCLUSIONS AND RECOMMENDATIONS.....	13

TABLES

Table 1	Sampling Rationale
Table 2	Summary of Analytical Results – Soil

FIGURES

Figure 1	Locus Plan
Figure 2	Key Site Features and Exploration Location Plan
Figure 3	Site Vicinity and Well Inventory
Figure 4	On-Site Contaminant Distribution Plan
Figure 5	Off-Site Contaminant Distribution Plan
Figure 6A	Distribution of PFAS Compounds in Soil Chart
Figure 6B	Distribution of PFAS Compounds in Soil Chart
Figure 6C	Distribution of PFAS Compounds in Groundwater Chart
Figure 6D	Distribution of PFAS Compounds in Groundwater Chart

APPENDICES

Appendix A	Limitations
Appendix B	Boring Logs
Appendix C	GPRS Job Summary
Appendix D	Lineament Map
Appendix E	EDR Report
Appendix F	NHDES OneStop Data Mapper Screenshots
Appendix G	Analytical Laboratory Data Report
Appendix H	EMD Locations PFAS Data



1.0 INTRODUCTION

Sanborn, Head & Associates, Inc. (Sanborn Head) has prepared this Focused Site Investigation (FSI) report for the Town of Amherst (the Town) to summarize work conducted at the fire station located at 177 Amherst Street in the Town of Amherst, New Hampshire. The FSI was conducted in accordance with a request from the New Hampshire Department of Environmental Services (NHDES) in a June 8, 2022 letter associated with the Amherst Street / Cobble Lane Area Site (the site; NHDES #202203049).¹ Refer to Section 1.1 for additional information on NHDES's request for an FSI.

Our services and this report are subject to the limitations in Appendix A. A site Locus Plan is provided as Figure 1, and a Key Site Features and Exploration Location Plan is provided as Figure 2.

The work was conducted in accordance with our Work Plan for Focused Site Investigation (hereinafter referred to as Work Plan) which was submitted to the Town of Amherst and NHDES on September 12, 2022.

1.1 Site Background

We understand that NHDES collected drinking water samples in February, April, May, and June 2022 from thirteen private water supply wells along Cobble Lane and Thatcher Drive to the south of the Fire Station for analysis of per- and polyfluoroalkyl substances (PFAS). The PFAS compounds perfluorooctanoic acid (PFOA), perfluorohexanesulphonic acid (PFHxS), and/or perfluorooctanesulfonic acid (PFOS) were detected at concentrations exceeding their respective Ambient Groundwater Quality Standard (AGQS)² at eight of the properties sampled. Of the four PFAS compounds regulated by NHDES, PFOS was detected at the highest concentration in each sample. PFHxS was detected at slightly lower concentrations, and PFOA was detected at about an order of magnitude lower. We understand that the Town has offered temporary bottled water to the impacted properties based on the NHDES sampling. Additionally, it is our understanding that the Town has provided impacted wells located along Thatcher Drive and Cobble Lane access to public water by extending the existing Town water line.

Based on the findings of a private water supply well sample in February 2022, NHDES requested information from the Town in a letter dated April 11, 2022³ regarding fire-fighting activities at the Town Fire Station, located in the vicinity of the impacted supply well. The following information regarding Class B Aqueous Film Forming Foam (AFFF) usage and handling was included in a June 2, 2022 response letter from the Town to NHDES:

- Class B AFFF was historically used by the Amherst Fire Station.

¹ For the purposes of this report, the site boundary has been defined as the property line of the fire station.

² GW-1 Groundwater Standards are intended to be equivalent to the Ambient Groundwater Quality Standards (AGQSs) promulgated in Env-Or 600 (June 2015 with October 2016, September 2018, September 2019, and May 2020 amendments). The AGQS/GW-1 Groundwater Standards are intended to be protective of groundwater as a source of drinking water.

³ "Amherst – Amherst Street/Cobble Lane Area, Request for Information" prepared by NHDES and dated April 11, 2022.

- Class B AFFF was used for training purposes between 1988 and 2000 and occurred in paved and gravel areas to the rear of the Fire Station building, located on the northeastern portion of the site.
- Floor drains located in the Fire Station discharge to the same vicinity as the stormwater collection system on the southeast side of the property.
- The stormwater collection system was installed after Class B AFFF stopped being used at the property.
- The Fire Station's septic system and leachfield are located in the gravel area near where training occurred on the northeastern portion of the site.
- Firefighting equipment was cleaned inside the station and outside where the training was conducted. Equipment that contained AFFF was only cleaned outside.
- Personal protective equipment (PPE) was previously cleaned/decontaminated by spraying personnel down with water. In 2004, a gear washer extractor was purchased that discharges to a below grade concrete holding tank and is pumped out by a contractor.

Additional information regarding historical AFFF usage was provided by the Town Fire Chief during a site visit conducted by Sanborn Head on August 26, 2022. The Fire Chief indicated that fire training consisted of extinguishing burning pallets using AFFF, and that it occurred approximately two times between 1988 and 2000. The stormwater collection system was reportedly installed in 2020 and serves only the front side (southwestern side) of the Fire Station building, where fire training has reportedly not occurred. Trucks and equipment were cleaned in the paved area behind the fire station. Topography in the northeastern portion of the site, where fire training and equipment cleaning occurred, slopes to the wooded area to the southeast, where the topography then begins to slope to the southwest. Topography in the remainder of the site slopes to the southwest. The two floor drains located within the fire station garage where the fire trucks park discharge to a below grade oil-water separator that is located east of the garage building, in the vicinity of the former training area. Based on information provided by the Fire Chief, the oil-water separator is periodically pumped out by a contractor and the contents are disposed of off-site. Water that passes through the oil-water separator drains through a discharge pipe to the woods located in the southeast portion of the site. Key site features are shown on Figure 2.

Based on the results of the drinking water analyses from February and April 2022, and the potential sources of Class B AFFF discharges noted above, NHDES issued a June 8, 2022 letter⁴ to the Town of Amherst requesting that an FSI be conducted to further evaluate the potential source(s), nature, and extent of PFAS contamination at the Fire Station and in the Amherst Street/Cobbler Lane/Thatcher Drive area.

In June and July 2022, NHDES collected additional residential supply well samples at two residences to the north and east of the site, along Pettingale Road and Baboosic Lake Road. Supply well sampling had previously been conducted at additional locations in this area, as well as along Manchester Street to the north of the Site, in October and November 2021. The results

⁴ "Amherst – Amherst Street/Cobbler Lane Area, Request for Focused Site Investigation" prepared by NHDES and dated June 8, 2022.

indicated AGQS exceedances in several supply wells along these roads. NHDES requested that the FSI consider whether potential sources from the Fire Station could be impacting these areas.

Furthermore, on October 31, 2022, NHDES provided the Town with groundwater analytical results from a well located at 37 Courthouse Road, approximately 0.4 miles southwest of the site. Results from a sample collected on September 29, 2022 indicated exceedance of the AGQS for PFOS and PFHxS. This well reportedly supplies water to the nearby community garden.

2.0 OBJECTIVES AND SCOPE OF SERVICES

The objectives of Sanborn Head's FSI services were to evaluate potential source(s), nature, and extent of PFAS at the site. Our FSI was completed in general accordance with the requirements for a Site Investigation (Env-Or 600) and Sanborn Head's September 12, 2022 Work Plan.

A summary of the services completed by Sanborn Head is provided below. Sanborn Head's soil boring logs are included in Appendix B. Subsurface exploration and sampling locations are shown on Figure 2. The rationale for the explorations and sampling depths are presented in Table 1. The results of the work described below are included in Section 3.0.

Our scope of services included:

- Completion of a desktop assessment to evaluate the hydrogeological setting, potential nearby source areas, and potential receptors;
- Completion of seven soil borings and associated subsurface utility notification;
- Collection of soil samples for laboratory analysis;
- Completion of a relative elevation survey of the ground surface at SH-1 through SH-4 using a site-specific datum; and
- Preparation of this FSI Report, which includes our data compilation and analysis, and a summary of key findings.

Refer to the following sections for additional information on the field portions of the FSI.

2.1 Subsurface Utility Notification

Sanborn Head conducted a site visit on September 20, 2022 to mark out proposed soil boring locations, and subsequently notified Digsafe® for utility clearance purposes.

A subsurface utility survey was performed by Ground Penetrating Radar Systems, Inc. (GPRS) of Nashua, New Hampshire on October 12, 2022 to identify the presence of utilities near the proposed boring locations. A copy of the GPRS report is provided in Appendix C.



2.2 Soil Sampling and Analysis

Sanborn Head observed and logged seven soil borings (designated SH-1, SH-2, SH-3, SH-4, B-101, B-102, and B-103) advanced by Eastern Analytical Inc. (EAI) of Concord, New Hampshire on October 12, 2022. The soil borings were advanced using a GeoProbe® direct-push drill rig. Soil cores were retrieved using a 5-foot (ft), 2-inch-diameter, Macrocore® sampler with polyvinyl chloride (PVC) liners. A Sanborn Head field representative visually classified soil samples using the Modified Burmister System and field screened the soil samples for the potential presence of VOCs using a photoionization detector (PID). Refer to the boring logs provided in Appendix B.

Soil borings SH-1, SH-2, SH-3, and SH-4 were advanced to refusal, which ranged from 16.5 to 24 ft below ground surface (bgs). Note that soil borings SH-1 through SH-4 were intended to be completed as monitoring wells; however, groundwater was not encountered prior to refusal. SH-1 and SH-2 had been advanced to better understand overburden groundwater flow direction had it been encountered. No soil samples were collected from these two borings because they were not advanced within potential source areas.

One soil sample was collected from 1 to 2 ft bgs at SH-3 to evaluate potential PFAS impacts in the former fire training and equipment washing area. One deep soil sample was also collected from SH-3 of the soil interval located just above presumed bedrock (17.5 to 18.5 ft bgs) to assess potential impacts of the former fire training and equipment cleaning area in deeper soil and the potential for PFAS impacts to have leached downward.

Three shallow soil borings (B-101, B-102, and B-103) were advanced to depths of 2 ft bgs. Soil samples were collected from 1 to 2 ft bgs at the three shallow borings to further evaluate potential PFAS impacts in the former fire training and equipment washing area.

An additional boring (SH-4A) was advanced to a depth of 1.5 ft bgs using a stainless steel hand auger from the discharge point of the floor drain/oil-water separator. This boring was advanced using a hand auger (as opposed to being collected directly from soil boring SH-4) because the drill rig could not access the discharge point in the wooded area. The sample collected from SH-4A is noted as SH-4 on the analytical lab report provided in Appendix G, as well as in Table 2 and Figure 4.

Soil samples intended for laboratory analysis were collected directly into laboratory-provided containers and submitted to EAI. Soil samples were analyzed for PFAS using modified USEPA Method 537 with isotope dilution by Vista Analytical Laboratory (Vista) of El Dorado Hills, California (subcontracted through EAI).

3.0 SUMMARY OF INVESTIGATION FINDINGS

The following sections provide a summary of the FSI findings.

3.1 Desktop Assessment of Hydrogeologic Setting, Potential Nearby Source Areas, and Potential Receptors

3.1.1 Hydrogeologic Setting

Sanborn Head reviewed readily available information related to hydrogeology in the site vicinity to better understand depth to bedrock and overburden and bedrock groundwater flow directions. This included review of NHDES' OneStop database⁵, United States Geologic Survey (USGS) reports, New Hampshire GRANIT⁶, and other publicly available sources of information.

The site is comprised of an approximately 3.4-acre parcel located on Amherst Street, bordered by Amherst Street to the north and west, by NH-101 to the east, and by residential properties and Cobbler Lane to the south. Ground elevation at the site generally slopes downward to the southeast, from approximately 280 feet above mean sea level (AMSL) to 260 feet AMSL. Overburden at the site has been mapped primarily as glacial lake deposits of sand. Based on New Hampshire GRANIT, site soils are primarily mapped as excessively drained Hinckley loamy sand with high infiltration rates and 8 to 15 percent slopes, with some soils on the northern corner of the site mapped as very stony Canton fine sandy loam with 8 to 15 percent slopes and well drained. Site soils encountered (discussed below) are generally consistent with mapped soil types.

Bedrock in the site vicinity includes metasedimentary and metavolcanic rocks of the Merrimack Trough. Bedrock at the site is mapped as the Massabesic Gneiss Complex, a late protozoic formation consisting of quartzose-feldspathic gneiss and biotite schists, granofels, and calc-silicate rocks closely intruded by, and grading into, a pink gneissic granite that produced a migmatite. A gray biotite granite is mapped to the east and west of the site⁷.

Overburden materials encountered in borings B-101 through B-103, SH-1, SH-3 and SH-4/4A generally consisted of a fine to coarse sand layer with trace to little silt and trace to some gravel extending to depths ranging between 7.5 to 11 ft bgs, overlying a gravel layer (SH-1 and SH-3) or sand and gravel layer (SH-4). At SH-2, the upper sand layer extended to only approximately 1 ft bgs before transitioning to a sand and gravel layer to a depth of 10 ft bgs, followed by a gravel layer. Drilling refusal was encountered at SH-1 through SH-4 at depths ranging from 16.5 ft bgs (SH-2) to 24 ft bgs (SH-4). Refusal is anticipated to have been on bedrock based on the depth to bedrock provided in NHDES OneStop for the on-site water supply well (and other supply wells in the vicinity), and presumed weathered bedrock observed at SH-1 (approximately 19.5 to 20 ft bgs) and SH-3 (approximately 18.8 to 19 ft bgs).

Groundwater was not encountered during drilling activities completed at the site as part of the FSI. The elevation of anticipated bedrock (i.e., refusal) at the site ranged from approximately El. 83.6 ft (SH-2) to 70.2 (SH-4) ft based on a site-specific datum, indicating that bedrock may slope

⁵ <http://nhdesonestop.sr.unh.edu/html5viewer/>

⁶ https://granitview.unh.edu/html5viewer/index.html?viewer=granit_view

⁷ Bedrock Geologic Map of New Hampshire by John B. Lyons, Wallace A Bothner, Robert H. Moench, and James B. Thompson, Jr, 1997. Accessed October 25, 2021 at <https://dec.vermont.gov/sites/dec/files/geo/images/NH1997Map.pdf>



from the north downward to the south generally consistent with the slope of the land surface. Figure 3 indicates depths to bedrock at supply wells in the vicinity of the site based on the NHDES OneStop Water Well Inventory. Based on Sanborn Head's observations during drilling completed at part of the FSI, overburden groundwater did not appear to be present during this field program.

Based on the crystalline bedrock types mapped in the area, groundwater yield in bedrock is likely primarily associated with the presence of bedrock fractures. Bedrock fractures vary in frequency, aperture (opening) and extent but are often associated with faults, contacts, bedding planes, and rock fabric/foiliation. Locations of fractures may be associated with lineaments, which are linear landscape features that may express underlying geological structures such as faults. A regional lineament map⁸ is included in Appendix D, and indicates primarily north/south lineaments mapped in the vicinity of the site, the closest to the site being a north/south lineament within approximately a few hundred feet west of the site. This lineament was observed by the use of 1:250,000-scale side-looking airborne radar imagery. Note that the lineaments were mapped at scales ranging from 1:20,000 to 1:1,000,000, therefore, the position of the lineament features and inferred zones of more transmissive groundwater are approximate.

While lineaments do not directly correspond to groundwater flow, they do indicate generally north-south trending geologic features in the region. Furthermore, topographic features in the vicinity include Beaver Brook (located ¼-mile south of the site), which flows north to south for approximately two miles before discharging into the Souhegan River.

Based on the regional and site topography, surface water features, lineament mapping and bedrock mapping, bedrock groundwater is anticipated to flow generally south in the vicinity of the site. We note that the direction of groundwater transport in bedrock is complex, and additional field efforts would be required to understand the bedrock groundwater flow direction at and in the vicinity of the site.

3.1.2 Potential Nearby Source Areas

Potential nearby source areas were evaluated by contracting with Environmental Data Resources, Inc. (EDR) to perform a database search, which reviews federal and state environmental record sources, and by reviewing information available from NHDES OneStop. The search was conducted in an approximate ½-mile radius of the site. A copy of EDR's reports are provided in Appendix E.

The EDR Radius Map Report identified four listings in various databases within ½-mile of the site, including two listings for the site property (i.e., the Fire Station) associated with compliance under the Resource Conservation and Recovery Act (RCRA). The EDR report indicated that in 1999, the Fire Station was identified as not being a hazardous waste generator; however, no additional information was available in the EDR report or on NHDES

⁸ Clark, Jr., S.F., Ferguson, E.W., Picard, M.Z., and Moore, R.B., 1997, Lineament Map of Area 2 of the New Hampshire Bedrock Aquifer Assessment, South-Central New Hampshire, Open-File Report 96-460; Scale 1:48,000

OneStop regarding whether hazardous waste was generated at the site prior to 1999. During a site interview with the Fire Chief on August 26, 2022, Sanborn Head was not informed of any hazardous waste generation at the site. No violations were listed in the EDR report for the site.

The two other database listings in the EDR Report include the Amherst Village Dental, located adjacent to the north of the site (across Amherst Street), and the Southern Medical Center (now designated as Amherst Family Medicine), located approximately ¼-mile north of the site.

Information in the EDR report (and in NHDES OneStop) indicates that Amherst Village Dental was a Conditionally Exempt Small Quantity Generator (CESQG) of hazardous waste in at least 1999, 2006 and 2007, but has not generated hazardous waste since 2007 and has been listed as inactive since 2011 (RCRA ID NHD510115132). The listed waste code is D011 for silver, which is often associated with x-ray film.

The Southern New Hampshire Medical Center was listed for an underground injection control (UIC) system. The registration form indicates wastewater from a cation and anion water treatment system being discharged to the central septic located at the property (NHDES Site No. 201510012)⁹. Additional information regarding the type of waste being discharged was not available from EDR or NHDES OneStop. The discharge was registered by NHDES on October 13, 2015. Based on the parcel ownership history available online from the Town of Amherst, the parcel may have previously been occupied by a church prior to 2012. Although medical centers are not typically associated with being common sources of PFAS, the potential for the medical center to be a source of PFAS cannot be ruled out given the lack of information regarding the type of waste being discharged through the UIC at this property.

A remediation site was identified in the NHDES OneStop Data Mapper approximately 0.5 miles southwest of the site at a gas station at 148 Amherst Street (Site No. 199708008), however the site was not listed in the EDR Report. The property is listed under the hazardous waste generator, underground storage tank (UST) facility, UIC, and leaking underground storage tank (LUST) project types. Based on information available in NHDES OneStop, the property also acted as a CESQG from 1999 to approximately 2014 when their generator status changed to “inactive”. The primary waste type produced was petroleum naphtha (waste codes D001, D018 and D039), but other waste streams indicated include waste petroleum distillate, gasoline mix, and spent mineral spirits. Given the distance from the site, the hydrogeologic position (across from Beaver Brook), and the type of contamination (petroleum products), it is unlikely that this is a potential source of PFAS to the site vicinity.

Other potential sources of PFAS are the leach fields and corresponding septic systems associated with various properties in the vicinity of the site, including the septic system/leach field associated with the Southern New Hampshire Medical Center mentioned above.

⁹ “Registration and Notification Form for Floor Drains and Discharges to Groundwater”, SNHMC, dated September 30, 2015. Available in NHDES OneStop.

Based on a review of information provided in the EDR Report and NHDES OneStop, the dental office adjacent to the site and the gas station at 148 Amherst Street are not considered likely to be contributing to the PFAS impacts observed in bedrock supply wells given their historical and current operations, and their location in proximity to the observed impacts. While the UIC permit at the Southern New Hampshire Medical Center cannot be ruled out as a potential source, we note that the NHDES PFAS Sampling map indicates that PFAS was not detected above the laboratory reporting limit in a sample collected from the well at the property. Private septic systems and leach fields could also be potential contributors to the PFAS detections.

3.1.3 Potential Receptors

The general site setting is residential, with some commercial properties located adjacent to the north of the site. A tributary of the Beaver Brook is located approximately 450 feet east of the site, and Beaver Brook is located approximately ¼-mile south of the site. Wetlands are present within ¼-mile of the site to the northeast, south and west, are generally associated with Beaver Brook or the tributary of Beaver Brook, and are classified as freshwater forested/shrub wetlands and freshwater emergent wetlands. Wetlands and other relevant screen images from the NHDES OneStop Data Mapper are provided in Appendix F.

NHDES's OneStop Data Mapper Water Well Inventory identified eight water supply wells (including the on-site water supply well) located within 1,000 feet of the site. The location of these wells are shown on Figure 3. Based on the sample locations indicated on the NHDES PFAS Sampling map¹⁰, additional wells are present within this radius. The OneStop Data Mapper does not indicate water or sewer lines in the vicinity of the site, however, based on conversations with the Town, it is our understanding that the Town's water supply line has been expanded to residential properties located along Cobbler and Thatcher Lanes, south of the Site. Public water supply wells are not present within 1,000 feet of the site; however, two public water supply wells are located within one-half mile north of the site (Amherst Medical Center, public water system [PWS] ID 0075060, population 32; Meeting Place, PWS ID 0078090, population 76) and two additional public water supply wells are located approximately one-half mile to the south (PWS ID 1621010, population 87,932; PWS ID 0071010, population 1,080) but are listed as inactive.

Based on information on the NHDES OneStop Data Mapper, there are no National Pollutant Discharge Elimination System (NPDES) outfalls within 1,000 feet of the site. The site is located within a Source Water Protection Area for Pennichuck Water Works (ID: 18579). A groundwater classification area GA2 (indicating a potentially valuable stratified drift aquifer) is located approximately 230 feet south of the site, and two Wellhead Protection Areas (associated with the Amherst Medical Center and Meeting Place public water supply wells mentioned above) are located approximately 150 feet and 0.25 miles to the north of the site, respectively, as shown in Appendix F.

¹⁰ <https://www.arcgis.com/apps/View/index.html?appid=66770bef141c43a98a445c54a17720e2&extent=-73.5743,42.5413,-69.6852,45.4489>

3.2 Ground Penetrating Radar (GPR) Survey Results

A GPR survey was performed by GPRS of Nashua, New Hampshire on October 12, 2022, to evaluate the potential presence of underground utilities in the vicinity of each exploration location. Potential underground utilities were identified during the GPR survey in the vicinity of SH-2 and were marked in the field. A copy of the GPRS's report is provided in Appendix B.

3.3 Summary of Results

The results of the soil sampling completed by Sanborn Head are provided in Section 3.3.1. In addition, a discussion of the groundwater/drinking water sampling data for the site vicinity available in NHDES's Environmental Monitoring Database (EMD) is provided in Section 3.3.2.

3.3.1 Summary of Soil Analytical Results

Soil samples were collected from four of the seven borings (B-101, B-102, B-103, and SH-3), with both a shallow and a deep sample collected from SH-3, and from shallow hand auger location SH-4A, advanced near SH-4 (noting no soil sample was collected from SH-4¹¹), for a total of six soil samples. The rationale for sampling is included in Table 1.

The soil analytical results from the investigation are summarized in Table 2 and Figure 4 and the analytical laboratory data report is provided in Appendix G. The composition of the detected PFAS compounds in each soil sample are also shown on Figure 4 and on the bar charts on Figures 6A and 6B. The following provides a summary of the soil analytical results.

PFAS were detected above reporting limits in each of the six soil samples collected on-site, with PFOS detected as the dominant compound in each sample. The highest concentration of total PFAS was detected at the shallow sample collected from SH-3 (1 to 2 ft bgs), located in the former fire training and equipment cleaning area, at a concentration of 1,010 nanograms per gram (ng/g). At this location, PFOS was detected at a concentration of 964 ng/g, exceeding the S-1 and S-2 direct contact risk-based (DCRB) screening concentrations¹² for PFOS of 100 and 600 ng/g, respectively. No other PFAS exceeded the DCRB from any other soil sample collected, noting that DCRB have only been established for four analytes¹³.

In the deeper sample collected from SH-3 (17.5 to 18.5 ft bgs), the total PFAS concentration was relatively lower (11.1 ng/g), but PFOS was similarly the dominant compound. PFOS was also the dominant compound detected at the samples collected from B-101, B-102, and B-103, each of which was also advanced in the fire training and equipment cleaning area, or adjacent to it (B-102). In each of the six soil samples collected on-Site, the total concentration of perfluoroalkyl sulfonic acids (PFSA) were higher than the total concentration of perfluoroalkyl carboxylic acids (PFCA). PFHxS was detected in each of the six soil samples at concentrations ranging

¹¹ The soil sample collected from hand auger location SH-4A was identified as "SH-4" in the analytical laboratory report and for consistency is also named SH-4 in Table 2 and Figure 4.

¹² The direct contact risk-based (DCRB) screening level concentrations for residential ("S-1") and maintenance worker ("S-2") scenarios are derived by the State of New Hampshire Environmental Health Program and are presented in a memorandum from David B. Larson, M.P.H. to Karlee Kenison, P.G., dated December 11, 2019 and titled "Direct Contact Risk-Based Soil Concentrations".

¹³ DCRB have been established for PFOA, perfluorononanoic acid (PFNA), PFHxS, and PFOS.



from 0.779 to 28.5 ng/g, typically the second most predominant analyte in each sample. PFOA was only detected in three of the six soil samples, and at concentrations well below those of PFOS and PFHxS.

Soil sample SH-4A was collected downgradient of the floor drain/oil-water separator discharge point. PFOS was the dominant compound detected in this sample at a concentration of 4.38 ng/g. SH-4A was the only location with detections of a fluorotelomer and perfluoroalkane sulfonamides. The different distribution of compounds detected at SH-4A may indicate a separate source (i.e., the outlet of the floor drain/oil-water separator) is contributing to the detections at this location relative to the other on-site locations.

3.3.2 Summary of Groundwater Data Reported by Others

Groundwater was not encountered in the seven borings advanced at the site during the FSI. Therefore, no groundwater samples were submitted for analysis as part of this investigation. However, groundwater analytical results from NHDES's EMD were compiled to compare PFAS distributions in the vicinity of the site.

PFAS analytical data from NHDES's EMD is shown on Figure 5 and includes analytical results from samples included in the EMD within ¼-mile of the site. Figure 5 also shows the analytical data for the water supply sample collected from 17 Thornton Ferry Road I by NHDES in February 2022 which is greater than ¼-mile south of the site, but is being shown for completeness given the exceedance of PFHxS in the sample. Samples collected from 37 Courthouse Road and 8 Thornton Ferry Road I are also shown in Figure 5. The composition of the detected PFAS compounds in each sample is also shown on Figure 5 and the distribution in samples where PFAS exceedances have been observed are shown on the bar charts on Figures 6C and 6D. See Appendix H for a table of PFAS EMD data for samples shown on Figure 5.

In the reviewed groundwater analytical data, eight samples within ¼-mile to the south of the site and potentially downgradient were found to have exceedances of one or more PFAS, with PFOS and PFHxS being the dominant compounds detected in each of these samples. Total PFAS concentrations among the eight samples ranged from 90.7 nanograms per liter (ng/l) (7 Thatcher Drive) to 1,201 ng/l (4 Cobbler Lane).

Five samples within ¼-mile to the north and east of the site and potentially upgradient indicated exceedances of one or more PFAS. These samples have relatively lower total PFAS concentrations, which range from 26.8 ng/l (32 Manchester Road) to 69.3 ng/l (1 Pettingale Road). PFOA was the dominant compound and the only PFAS that exceeded the AGQS in four of the five upgradient samples, which distinguishes these samples from those collected from the Fire Station which primarily contained PFOS and PFHxS. In one outlier to the northeast, PFOA was the second most dominant compound after PFOS.

4.0 CONCEPTUAL SITE MODEL

As discussed in Section 1.1, drinking water samples collected in February and April 2022 by NHDES from several private water supply wells located along Cobbler Lane and Thatcher Drive,

south of the site, indicated concentrations of PFOA, PFHxS, and PFOS exceeding their respective AGQS at five properties. A sample collected further south at 17 Thornton Ferry Road I (approximately 2,300 ft south) also indicated a concentration of PFHxS which exceeded its AGQS; however, PFOS was not detected above the AGQS.

Further sampling conducted by NHDES in May, June, and July 2022 identified exceedances at six additional residential properties located along Cobbler Lane and Thatcher Drive to the south, as well as Baboosic Lake Road and Pettingale Road to the north and east. The distribution of PFAS exceedances observed north and east of the site appear to be primarily PFOA, and the distribution south of the site appear to be primarily PFOS and PFHxS.

As discussed in Section 3.1.1, as part of Sanborn Head's desktop assessment of hydrogeologic setting we reviewed various public sources of information including topographic mapping, lineament mapping and bedrock mapping. Based on this review, we anticipate generally southward bedrock groundwater flow in the vicinity of the site. We note that the direction of groundwater transport in bedrock is complex, and additional field efforts would be required to understand the bedrock groundwater flow direction at and in the vicinity of the site.

As part of the FSI, Sanborn Head collected five shallow soil samples and one deeper soil sample from potential on-site source areas including the fire training and equipment cleaning area, and the discharge point of the floor drain/oil-water separator. In addition, Sanborn Head reviewed data within NHDES's EMD for groundwater samples collected within ¼-mile of the site (and also for the well located at 17 Thornton Ferry Road I, 8 Thornton Ferry Road I, and 37 Courthouse Road, which are greater than ¼-mile from the site, as mentioned above). Refer to Appendix H for a table showing the analytical results reviewed from the EMD.

Overburden groundwater was not encountered as part of the FSI and therefore groundwater samples at the site could not be collected. Comparison of the soil analytical results to the residential supply well samples located south of the site indicate a generally similar distribution of PFAS, with PFOS and PFHxS being the predominant PFAS detected. The highest concentrations were observed in the two shallow soil samples (1 to 2 ft bgs) collected from the center of the former fire training and equipment cleaning area (B-103 and SH-3).

The elevated concentrations detected in on-site soil are anticipated to be a result of one or more historical releases of Class B AFFF in the former fire training and equipment cleaning area. The similar distribution of PFAS detected in bedrock supply wells located potentially downgradient from the site, and the similar distribution of PFAS detected in the deeper sample collected from SH-3 (17.5 to 18.5 ft bgs) compared to the surficial soil samples collected on-site indicates that soil contamination at the site may leach to bedrock groundwater through stormwater infiltration.

The concentration of PFAS detected in the shallow soil samples collected from B-101 and B-102 were lower than those detected in the central portion of the fire training area (B-103 and SH-3),

but were of similar distribution and may be attributed to overland stormwater flow from the fire training and equipment cleaning area.

The highest concentration of PFOS was detected from 1-2 ft bgs at SH-3, located within the former fire training area. Impacts detected in the deeper sample collected at SH-3 (17.5 to 18.5 ft bgs) demonstrates leaching of PFAS downward towards bedrock.

As shown in Figures 4 (soil) and 5 (groundwater), groundwater samples with exceedances to the south of the site along Cobbler Lane and Thatcher Drive demonstrated similar distributions of PFAS (i.e., PFOS and PFHxS dominant) to the soil samples collected on-site, particularly those collected in the former fire training and equipment cleaning area. The similar distributions indicate that on-site soil contamination may be a potential source of PFAS concentrations detected in bedrock water supply wells south of the site.

The PFAS detected in water supply wells located north and east of the site were detected at lower concentrations than the wells to the south of the site, and the distribution of PFAS observed was different. PFOA was the dominant source in each of the five wells north and east of the site with exceedances, with the exception of the sample from 1 Pettingale Road, in which PFOA was the second most dominant compound after PFOS. The distribution observed in these supply wells also differed from the on-site soil samples, where PFOA was detected only in SH-3 and B-103, at relatively low concentrations (0.748 to 3.45 ng/g). The difference in the distribution of PFAS compounds in these five wells from the on-site soil data and residential supply wells with exceedances located to the south of the site indicates the potential for a separate source to be contributing to the exceedances detected in these samples. Based on Sanborn Head's desktop hydrogeologic assessment, bedrock groundwater is anticipated to flow generally south in the vicinity of the site, which further supports the potential for an off-site source upgradient of the Fire Station to be impacting these wells.

Six additional water supply well samples collected within ¼-mile south of the site which did not indicate exceedances of the AGQS (169 Amherst Street and 1,2,3,4 and 5 Thatcher Drive) showed a different distribution from the wells south of the site with exceedances. In these six wells, PFOA and/or PFPeA are the dominant compounds, and the distributions more closely match the wells to the north, northeast and northwest of the site. Impacts in these wells may also be the result of an off-site source upgradient of the fire department.

The wells at 17 Thornton Ferry Road I and 37 Courthouse Road, though greater than ¼-mile from the site, demonstrated similar distributions of PFAS (i.e., PFOS and PFHxS dominant) to the soil samples collected on-site.

Soil sample SH-4A demonstrates a different distribution of PFAS compounds, with PFOS still the most dominant, but followed closely by 8:2 FTS and PFOSA. This distribution indicates a possible different/secondary source, which is anticipated to be the outlet of the floor drain/oil-water separator, which is located immediately upgradient of the sample location.

A number of potential receptors have been identified as part of this FSI. Based on the NHDES OneStop Well Inventory and NHDES PFAS Sampling map, a number of homes within 1,000 feet of the site parcel are on private water supply wells. It is our understanding that the Town is currently providing impacted wells within the vicinity of the site with bottled water. In addition, it is our understanding that the Town has extended the existing Town water line to the properties located along Cobbler Lane and Thatcher Drive, located south of the site. At the time of this report, the water line mains have reportedly been connected, and ongoing work is being completed to connect the residential properties. Public water supply wells are not present within 1,000 feet of the site. The site is located within a Source Water Protection Area for Pennichuck Water Works (ID: 18579). A groundwater classification area GA2 (indicating a potentially valuable stratified drift aquifer) is located approximately 230 feet south of the site, and two Wellhead Protection Areas (associated with the Amherst Medical Center and Meeting Place public water supply wells mentioned above) are located approximately 150 feet and 0.25 miles north of the site, respectively. Wetlands are also present within ¼-mile of the site to the northeast, south and west.

The human workers on-site (i.e., at the fire station and police department) are considered potential receptors based on their proximity to PFAS in soil at concentrations which exceed DCRB screening concentrations for PFOS at 1 to 2 ft bgs.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Sanborn Head completed this FSI report for the Fire Station located at 177 Amherst Street in Amherst, New Hampshire, on behalf of the Town of Amherst.

The following conclusions are based on the results of the hydrogeologic desktop review, on-site soil sampling, and off-site groundwater results by others.

Based on Sanborn Head's review of regional and site topography, surface water features, lineament mapping and bedrock mapping, bedrock groundwater is anticipated to flow generally south in the vicinity of the site. We note that the direction of groundwater transport in bedrock is complex, and additional field efforts would be required to understand the bedrock groundwater flow direction at and in the vicinity of the site.

One or more PFAS were detected above laboratory reporting limits in each of the six soil samples collected as part of the FSI. The highest concentration of total PFAS was detected at the shallow sample collected from SH-3 (1 to 2 ft bgs) at a concentration of 1,010 ng/g, located in the central portion of the fire training area. At this location, PFOS was detected at a concentration of 964 ng/g, exceeding both its S-1 and S-2 DCRB screening concentrations. PFOS and PFHxS were the dominant compounds detected in each of the soil samples except for SH-4A collected at the discharge point of the oil-water separator.

Elevated concentrations of PFAS (primarily PFOS) detected in on-site shallow soil are anticipated to be a result of one or more historical releases of Class B AFFF in the former fire training and equipment cleaning area. The lack of overburden groundwater observed during



the field program and the detection of PFAS compounds in deep soil just above the bedrock surface indicates that soil contamination at the site may leach to bedrock through stormwater infiltration and/or leaching from precipitation recharge.

Groundwater samples to the south of the site demonstrated similar distributions of PFAS (i.e., PFOS and PFHxS dominant) to the soil samples collected on-site. The similar distributions and potential southerly bedrock groundwater flow direction indicate that on-site soil contamination may be contributing to PFAS concentrations detected in bedrock water supply wells south of the site.

The PFAS compounds detected in water supply wells located north and east of the site were detected at lower concentrations than the eight wells with exceedances to the south of the site, and the distribution of PFAS observed was different than the eight water supply wells with exceedances to the south and the on-site soil samples. The difference in the distribution of PFAS compounds in these wells indicates the potential for a separate, off-site source to be contributing to the exceedances north and east of the site. Furthermore, PFAS distributions in wells within ¼-mile south of the site which do not exceed AGQS more closely resemble the distribution of wells to the north and east of the site. This suggests that these wells may also be impacted by a separate, off-site source.

Based on the information obtained from the FSI, the following next steps are recommended:

- Further evaluate the extent of groundwater impacts by sampling additional private water supply wells along Thornton Ferry Rd I if located outside the water line expansion area;
- Collect additional on-site shallow and deep soil samples from the former fire training and equipment cleaning area to assess:
 - horizontal and vertical extent of PFAS impacts, including the extent of soil that exceeds the DCRB screening level for PFOS; and
 - whether source removal would benefit groundwater quality.
- Advance additional soil borings completed as monitoring wells to assess whether overburden groundwater is present at the site seasonally and/or under various conditions;
- Evaluate the feasibility of excavating soil that exceeds the DCRB screening level for PFOS from the former fire training and equipment cleaning area to prevent direct contact with on-site workers; and
- Consider paving the former fire training and equipment cleaning area to prevent further stormwater infiltration and leaching from precipitation infiltration.

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Tables

**Table 1
Sampling Rationale
NHDES #202203049
Amherst Fire Station
Amherst, NH**

Sample Location	Sampling Interval (ft bgs)	Rationale	Analytes
SH-1	Groundwater not encountered - no sample collected.	Evaluate direction of overburden groundwater flow and magnitude/extent of PFAS in overburden groundwater.	NA
SH-2	Groundwater not encountered - no sample collected.	Assess for potential sources upgradient of the fire station. Evaluate direction of overburden groundwater flow.	NA
SH-3	Soil - 1-2 ft bgs Groundwater not encountered.	Assess the firefighting training area as a potential source of PFAS near the ground surface.	PFAS
SH-3	Soil - 17.5-18.5 ft bgs (above presumed bedrock). Groundwater not encountered.	Assess the firefighting training area as a potential source of PFAS just above the presumed bedrock surface.	PFAS
SH-4A	Soil - 0.5-1.5 ft bgs Groundwater not encountered.	Assess floor drain outlet as a potential source of PFAS at the discharge location.	PFAS
B-101	Soil - 1-2 ft bgs	Assess for potential impacts to shallow soil from overland stormwater flow from the fire training and equipment cleaning area	PFAS
B-102	Soil - 1-2 ft bgs		PFAS
B-103	Soil - 1-2 ft bgs		PFAS
QA/QC			
Trip Blank (TB-1)	NA	Trip blank prepared by the laboratory prior to sampling event using PFAS-free water.	PFAS
Equipment Blank (EB-1)	NA	Equipment rinseate blank prepared for non-dedicated sampling equipment (e.g., Macrocore sampler, stainless steel bowl) using PFAS-free water provided by the laboratory. The PFAS-free water was poured around and through sample collection equipment to evaluate the equipment decontamination procedures and the potential for cross-contamination between sample locations.	PFAS

Notes:

1. PFAS = per- and polyfluoroalkyl substances; analyzed via Modified USEPA Method 537 with isotope dilution.
2. QA/QC samples were collected in general accordance with NHDES SOP No. HWRB-21, "Sampling for Per- and Poly-Fluorinated Alkyl Substances", dated March 2017.
3. SH-4A was advanced using a hand auger (as opposed to being collected directly from soil boring SH-4) because the drill rig could not access the discharge point in the wooded area. The sample collected from SH-4A is noted as SH-4 on the analytical lab report provided in Appendix G, as well as in Table 2 and Figure 4.

Table 2
Summary of Soil Analytical Results
Amherst Fire Station; NHDES #202203049
Amherst, New Hampshire

Analyte	Concentrations in ng/g								Concentrations in ng/L	
	DCRB		B-101	B-102	B-103	SH-3	SH-3	SH-4	QC_EB	QC_TB
	S-1	S-2	1-2'	1-2'	1-2'	1-2'	17.5-18.5'	0.5-1.5'	-	-
			10/12/2022	10/12/2022	10/12/2022	10/12/2022	10/12/2022	10/12/2022	10/12/2022	10/12/2022
Perfluoroalkyl Carboxylic Acids										
Perfluorobutanoic Acid (PFBA) [3]	-	-	<0.480	<0.494	1.73	1.1	<0.497	<0.490	<2.02	<2.01
Perfluoropentanoic Acid (PFPeA) [4]	-	-	<0.480	<0.494	1.36	1.15	<0.497	<0.490	<2.02	<2.01
Perfluorohexanoic Acid (PFHxA) [5]	-	-	<0.480	<0.494	1.07	2.69	<0.497	<0.490	<2.02	<2.01
Perfluoroheptanoic Acid (PFHpA) [6]	-	-	<0.480	<0.494	0.551	<0.479	<0.497	<0.490	<2.02	<2.01
Perfluorooctanoic Acid (PFOA) [7]	200	1,300	<0.480	<0.494	1.90	3.45	0.748	<0.490	<2.02	<2.01
Perfluorononanoic Acid (PFNA) [8]	100	900	<0.480	<0.494	2.92	1.04	<0.497	<0.490	<2.02	<2.01
Perfluorodecanoic Acid (PFDA) [9]	-	-	<0.480	<0.494	0.561	<0.479	<0.497	<0.490	<2.02	<2.01
Perfluoroundecanoic Acid (PFUnA) [10]	-	-	<0.961	<0.988	<0.997	<0.957	<0.993	<0.981	<2.02	<2.01
Perfluorododecanoic Acid (PFDoA) [11]	-	-	<0.480	<0.494	<0.498	<0.479	<0.497	<0.490	<2.02	<2.01
Perfluorotridecanoic Acid (PFTTrDA) [12]	-	-	<0.480	<0.494	<0.498	<0.479	<0.497	<0.490	<2.02	<2.01
Perfluorotetradecanoic Acid (PFTeA) [13]	-	-	<0.480	<0.494	<0.498	<0.479	<0.497	0.501	<2.02	<2.01
Total Perfluoroalkyl Carboxylic Acids	NS	NS	ND	ND	10.092	9.43	0.748	0.501	ND	ND
Perfluoroalkyl Sulfonic Acids										
Perfluorobutanesulfonic Acid (PFBS) [4S]	-	-	<0.480	<0.494	<0.498	0.624	<0.497	<0.490	<2.02	<2.01
Perfluoropentanesulfonic Acid (PFPeS) [5S]	-	-	<0.480	<0.494	<0.498	1.57	<0.497	<0.490	<2.02	<2.01
Perfluorohexanesulfonic Acid (PFHxS) [6S]	100	900	0.779	0.790	4.30	28.5	3.90	1.48	<2.02	<2.01
Perfluoroheptanesulfonic Acid (PFHpS) [7S]	-	-	<0.961	<0.988	<0.997	6.25	<0.993	<0.981	<2.02	<2.01
Perfluorooctanesulfonic Acid (PFOS) [8S]	100	600	13.2	6.64	81.6	964 D	6.51	4.38	<2.02	<2.01
Perfluorononanesulfonic Acid (PFNS) [9S]	-	-	<0.961	<0.988	<0.997	<0.957	<0.993	<0.981	<2.02	<2.01
Perfluorodecanesulfonic Acid (PFDS) [10S]	-	-	<0.480	<0.494	<0.498	<0.479	<0.497	<0.490	<2.02	<2.01
Total Perfluoroalkyl Sulfonic Acids	NS	NS	13.979	7.43	85.9	1,000.94	10.41	5.86	ND	ND
Fluorotelomers										
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	-	-	<0.961	<0.988	<0.997	<0.957	<0.993	<0.981	<2.02	<2.01
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	-	-	<0.961	<0.988	<0.997	<0.957	<0.993	<0.981	<2.02	<2.01
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	-	-	<0.961	<0.988	<0.997	<0.957	<0.993	3.36	<2.02	<2.01
Total Fluorotelomers	NS	NS	ND	ND	ND	ND	ND	3.36	ND	ND
Perfluoroalkane Sulfonamides										
Perfluorooctanesulfonamide (PFOSA)	-	-	<0.961	<0.988	<0.997	<0.957	<0.993	3.03	<2.02	<2.01
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	-	-	<0.480	<0.494	<0.498	<0.479	<0.497	<0.490	<2.02	<2.01
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	-	-	<0.480	<0.494	<0.498	<0.479	<0.497	0.501	<2.02	<2.01
Total Perfluoroalkane Sulfonamides	NS	NS	ND	ND	ND	ND	ND	3.531	ND	ND
Total PFAS	NS	NS	13.979	7.43	95.992	1,010.374	11.158	13.252	ND	ND

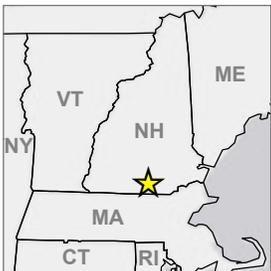
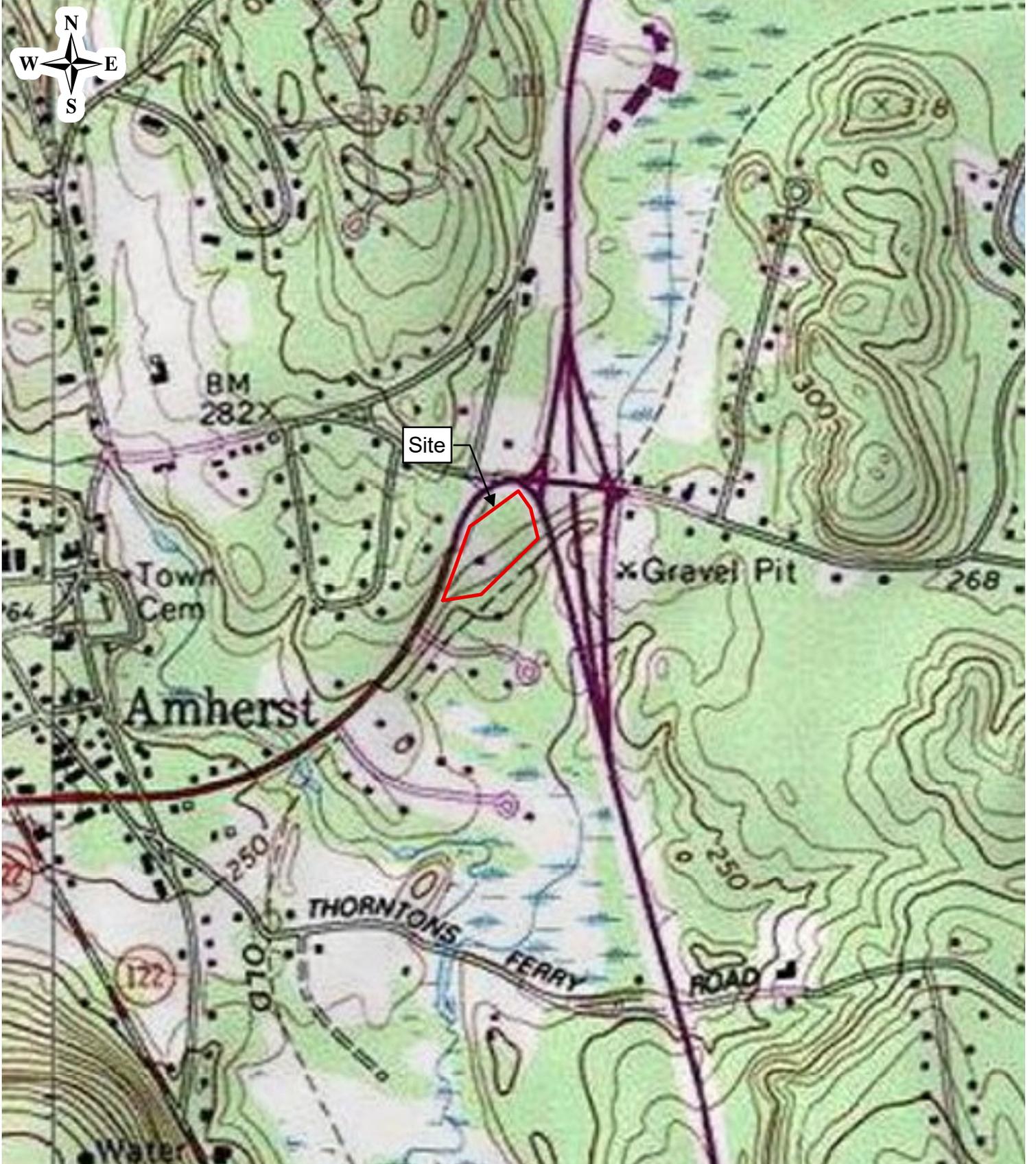
Notes:

- Samples were collected by Sanborn Head on the dates indicated and were analyzed for per- and polyfluoroalkyl substances (PFAS) by Vista Analytical Laboratory (Vista) of El Dorado Hills, California by USEPA Method 537 (modified) with isotope dilution. Vista was subcontracted through Eastern Analytical Inc. (EAI), of Concord, New Hampshire.
- Concentrations are presented in nanograms per gram (ng/g), unless otherwise noted, which are equivalent to parts per billion (ppb).
- "<" indicates the analyte was not detected above the indicated laboratory reporting limit (RL).
 "D" indicates the result comes from a dilution.
 "ND" indicates the analyte was not detected above the RL.
 "EB" indicates equipment rinse/blank QA/QC sample.
 "FB" indicates field blank QA/QC sample.
 [3] = number of carbons in the perfluorinated alkyl chain for perfluorinated carboxylic acids (PFCAs). The carbon included in the carboxylic functional group is non-fluorinated.
 [4S] = number of carbons in the perfluorinated alkyl chain for perfluorinated sulfonic acids (PFSA). All of the carbons are fluorinated.

Table 2
Summary of Soil Analytical Results
Amherst Fire Station; NHDES #202203049
Amherst, New Hampshire

4. "S-1" and "S-2" indicate the direct contact risk-based (DCRB) screening level concentrations for residential (S-1) and maintenance worker (S-2) scenarios derived by the State of New Hampshire Environmental Health Program and are presented in a memorandum from David B. Larson, M.P.H. to Karlee Kenison, P.G., dated December 11, 2019 and titled "Direct Contact Risk-Based Soil Concentrations".
5. **Bold** values exceed the S-1 screening level concentration.
Italic values exceed the S-2 screening level concentration.

Figures



Drawn By: H. LaPointe
 Designed By: G. Panik
 Reviewed By: H. Caprood
 Project No: 5439.01
 Date: February 2023

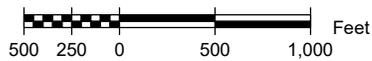


Figure 1

Locus Plan

Focused Site Investigation Report

Amherst St / Cobler Lane Area Site
NHDES Site #202203049

Amherst, New Hampshire



Figure 2
Site Features and Exploration Location Plan

Focused Site Investigation Report

Amherst St / Cobbler Lane Area Site
 NHDES Site #202203049

Amherst, New Hampshire

Drawn By: H. LaPointe
 Designed By: G. Panik
 Reviewed By: H. Caprood
 Project No: 5439.01
 Date: February 2023

Figure Narrative

This figure shows key site features and exploration locations from the Focused Site Investigation.

Notes

1. Aerial Image .
2. Water wells downloaded from NHDES One-Stop on October 24, 2022. Additional water supply wells are located within the site vicinity, but are not included in the NHDES OneStop inventory.
3. Soil borings were advanced by Eastern Analytical, Inc. of Concord, NH on October 12, 2022 and observed and documented by Sanborn, Head & Associates, Inc.
4. Boring locations were approximated using a hand held GPS unit and field observations.

Legend

- Approximate Site Boundary
- Approximate Parcel Boundaries
- Catch Basins
- Shallow Soil Boring
- Soil sample collected using a hang auger
- Wells from NHDES OneStop





Figure 3

Site Vicinity and Well Inventory

Focused Site Investigation Report

Amherst St / Cobble Lane Area Site
NHDES Site #202203049

Amherst, New Hampshire

Drawn By: H. LaPointe
 Designed By: G. Panik
 Reviewed By: H. Caprood
 Project No: 5439.01
 Date: February 2023

Figure Narrative

This figure shows the approximate reported locations and depths to bedrock of water wells in the vicinity of the site as listed in the NHDES OneStop Data Mapper Water Well Inventory Layer.

Notes

1. Aerial Image Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.
2. Water wells downloaded from NHDES One-Stop on October 24, 2022.
3. Well locations are based on information from NHDES OneStop Data Mapper Water Well Inventory Layer and/or NHDES' EMD and are considered approximate.

Legend

- Approximate Site Boundary
- Site Buffer for Potential Receptor Survey (1,000 feet)
- Approximate Parcel Boundaries
- Wells from NHDES OneStop
- Wells from NHDES' EMD
- 18** Depth to Bedrock in Feet





Figure 4 On-Site Contaminant Distribution Plan - PFAS in Soil

Focused Site Investigation Report

Amherst St / Cobbler Lane Area Site
NHDES Site #202203049

Amherst, New Hampshire

Drawn By: H. LaPointe
Designed By: G. Panik
Reviewed By: J. Sanborn
Project No: 5439.01
Date: February 2023

Figure Narrative

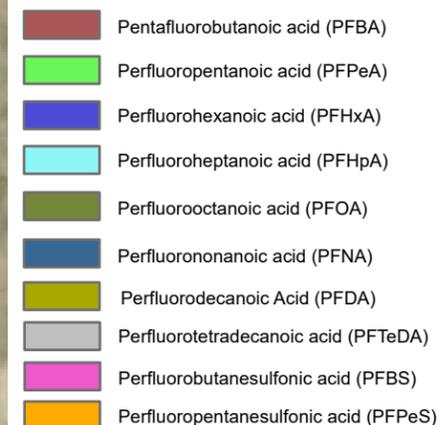
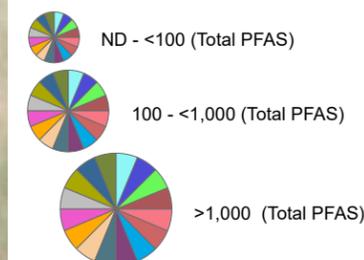
The purpose of this figure is to present PFAS data for soil samples collected at the Site on October 12, 2022.

Notes

1. Aerial Image Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.
2. Qualifier definitions are provided as presented in the EMD. "D" indicates dilution data. Result was obtained from the analysis of a dilution.
3. See previous figures for additional notes and legend.

Legend

Analytes (Concentrations in ng/g)



SH-3 (1-2')	10/12/2022
PFBA	1.10
PFPeA	1.15
PFHxA	2.69
PFOA	3.45
PFNA	1.04
PFBS	0.624
PFPeS	1.57
PFHxS	28.5
PFHpS	6.25
PFOS	964 D

SH-3 (17.5-18.5')	10/12/2022
PFOA	0.748
PFHxS	3.90
PFOS	6.51

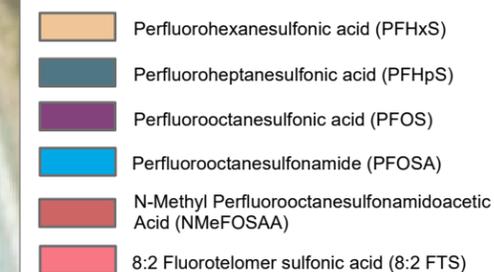
B-103 (1-2')	10/12/2022
PFBA	1.73
PFPeA	1.36
PFHxA	1.07
PFHpA	0.551
PFOA	1.90
PFNA	2.92
PFDA	0.561
PFHxS	4.30
PFOS	81.6

B-101 (1-2')	10/12/2022
PFHxS	0.779
PFOS	13.2

B-102 (1-2')	10/12/2022
PFHxS	0.790
PFOS	6.64

SH-4 (0.5-1.5')	10/12/2022
PFTeDA	0.501
PFHxS	1.48
PFOS	4.38
8:2 FTS	3.36
FOSA	3.03
NMeFOSAA	0.501

Legend (continued)



SH-3 (1-2')	10/12/2022
PFOS	964 D

Bold and grey highlighting indicates exceedance of direct contact risk-based (DCRB) screening concentration

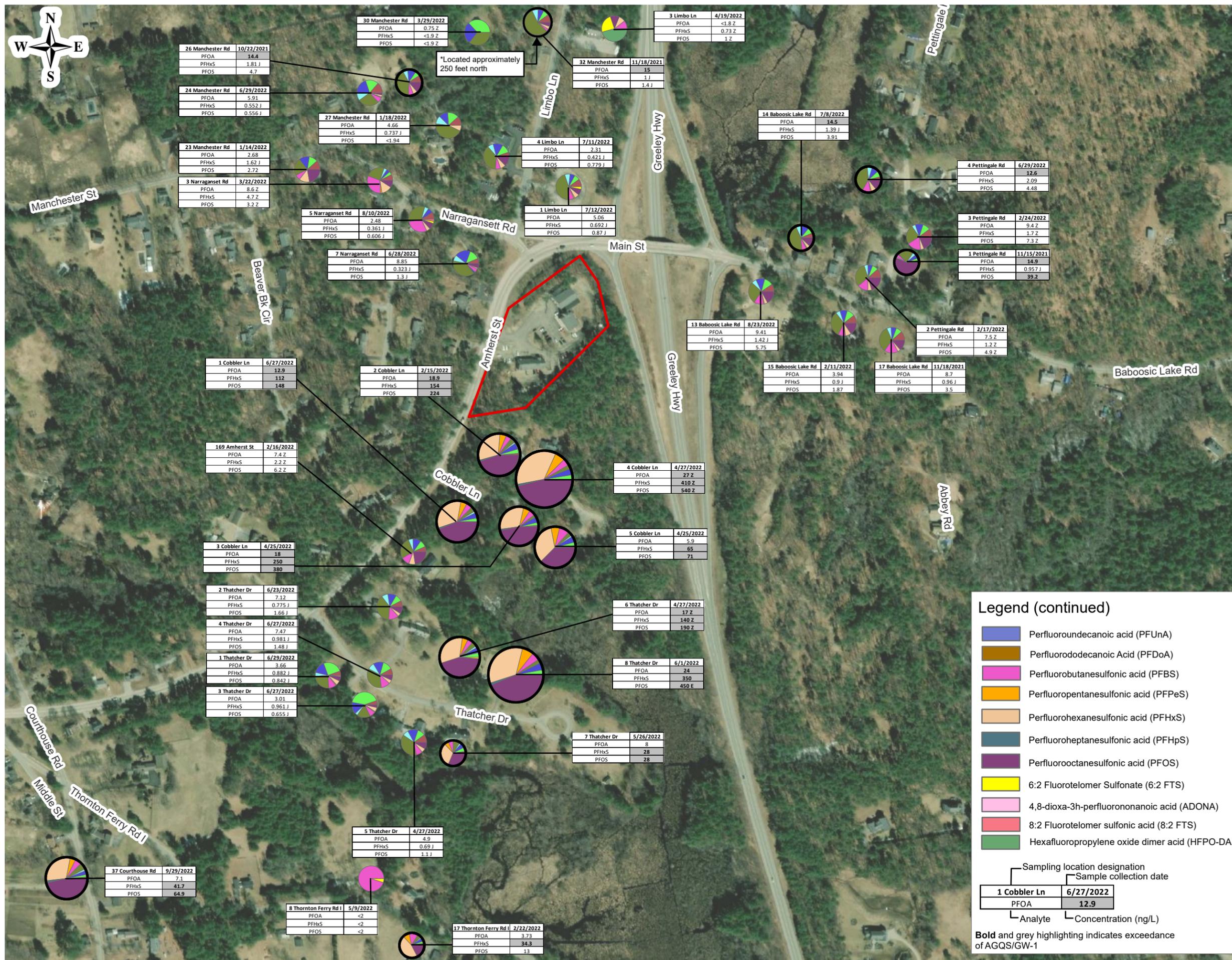


Figure 5
Off-Site Contaminant Distribution Plan - PFAS in Groundwater
 Focused Site Investigation Report

Amherst St / Cobble Lane Area Site
 NHDES Site #202203049
 Amherst, New Hampshire

Drawn By: H. LaPointe
 Designed By: G. Panik
 Reviewed By: J. Sanborn
 Project No: 5439.01
 Date: February 2023

Figure Narrative
 The purpose of this figure is to present PFAS data for groundwater samples collected in the vicinity of the Site between November 2021 and July 2022 by the NHDES.

Notes
 1. Aerial Image Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

2. Qualifier definitions are provided as presented in the EMD dataset. "J" indicates result is less than the reporting limit but greater than or equal to the method detection limit (MDL) and the concentration is an approximate value. "E" indicates the compound concentration exceeded the calibration range of the instrument and should be considered an estimate. "Z" indicates see report for qualifier details.

3. If multiple sampling rounds were conducted, only the most recent data are shown. Refer to Appendix H for additional rounds.

4. See previous figures for additional notes and legend.

Legend
 Analytes (Concentrations in ng/L)

- ND - <100 (Total PFAS)
- 100 - <1,000 (Total PFAS)
- >1,000 (Total PFAS)

- Pentafluorobutanoic acid (PFBA)
- Perfluoropentanoic acid (PFPeA)
- Perfluorohexanoic acid (PFHxA)
- Perfluoroheptanoic acid (PFHpA)
- Perfluorooctanoic acid (PFOA)
- Perfluorononanoic acid (PFNA)
- Perfluorodecanoic Acid (PFDA)
- Perfluoroundecanoic acid (PFUnA)
- Perfluorododecanoic Acid (PFDoA)
- Perfluorobutanesulfonic acid (PFBS)
- Perfluoropentanesulfonic acid (PFPeS)
- Perfluorohexanesulfonic acid (PFHxS)
- Perfluoroheptanesulfonic acid (PFHpS)
- Perfluorooctanesulfonic acid (PFOS)
- 6:2 Fluorotelomer Sulfonate (6:2 FTS)
- 4,8-dioxa-3h-perfluorononanoic acid (ADONA)
- 8:2 Fluorotelomer sulfonic acid (8:2 FTS)
- Hexafluoropropylene oxide dimer acid (HFPO-DA)

Sampling location designation
 Sample collection date

1 Cobble Ln	6/27/2022
PFOA	12.9
PFHxS	112
PFOS	148

Analyte Concentration (ng/L)

175 87.5 0 175 350 Feet

Legend (continued)

- Perfluoroundecanoic acid (PFUnA)
- Perfluorododecanoic Acid (PFDoA)
- Perfluorobutanesulfonic acid (PFBS)
- Perfluoropentanesulfonic acid (PFPeS)
- Perfluorohexanesulfonic acid (PFHxS)
- Perfluoroheptanesulfonic acid (PFHpS)
- Perfluorooctanesulfonic acid (PFOS)
- 6:2 Fluorotelomer Sulfonate (6:2 FTS)
- 4,8-dioxa-3h-perfluorononanoic acid (ADONA)
- 8:2 Fluorotelomer sulfonic acid (8:2 FTS)
- Hexafluoropropylene oxide dimer acid (HFPO-DA)

Sampling location designation
 Sample collection date

1 Cobble Ln	6/27/2022
PFOA	12.9

Analyte Concentration (ng/L)

Bold and grey highlighting indicates exceedance of AGQS/GW-1

Figure 6A - Distribution of PFAS Compounds in Soil

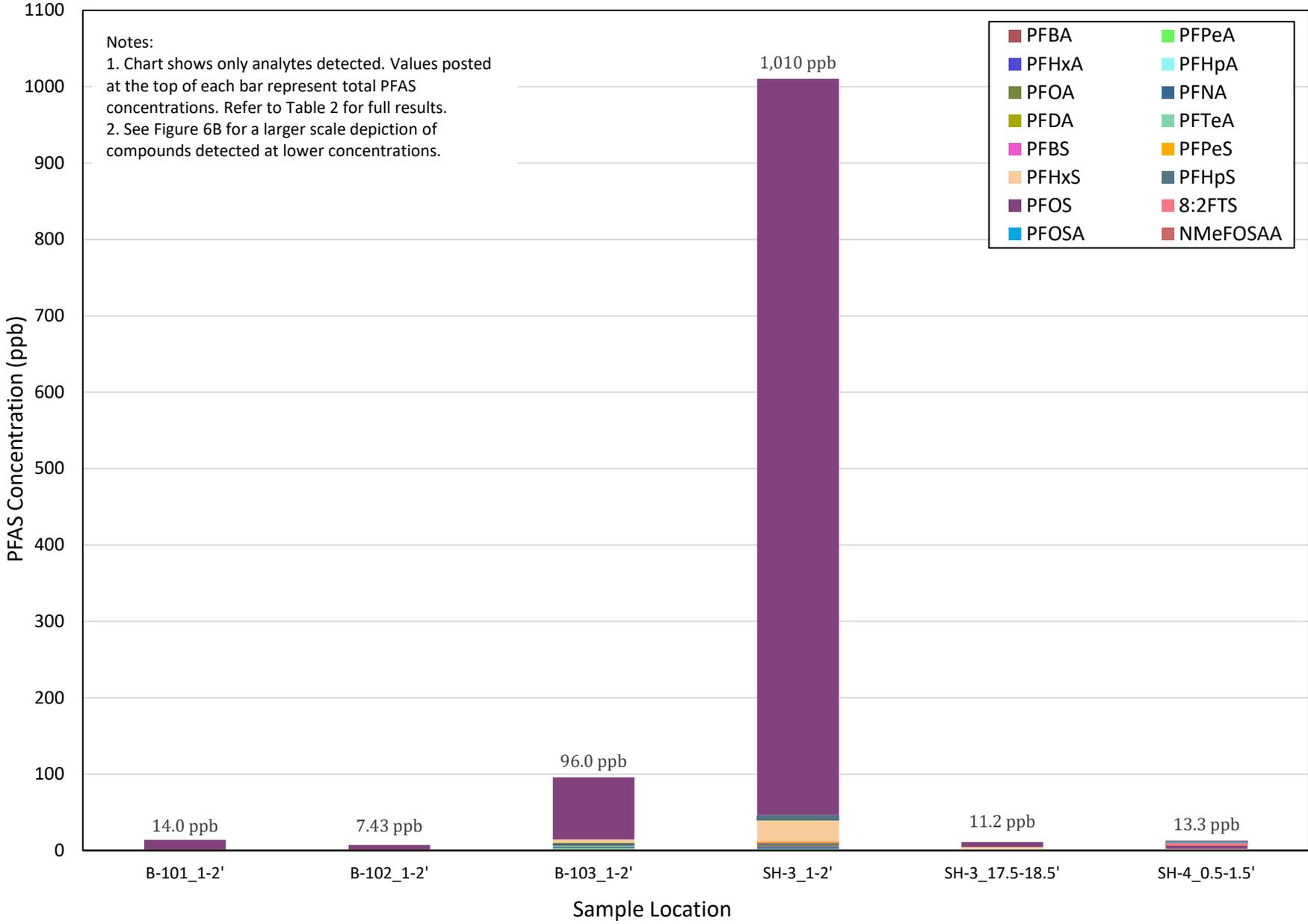


Figure 6B - Distribution of PFAS Compounds in Soil

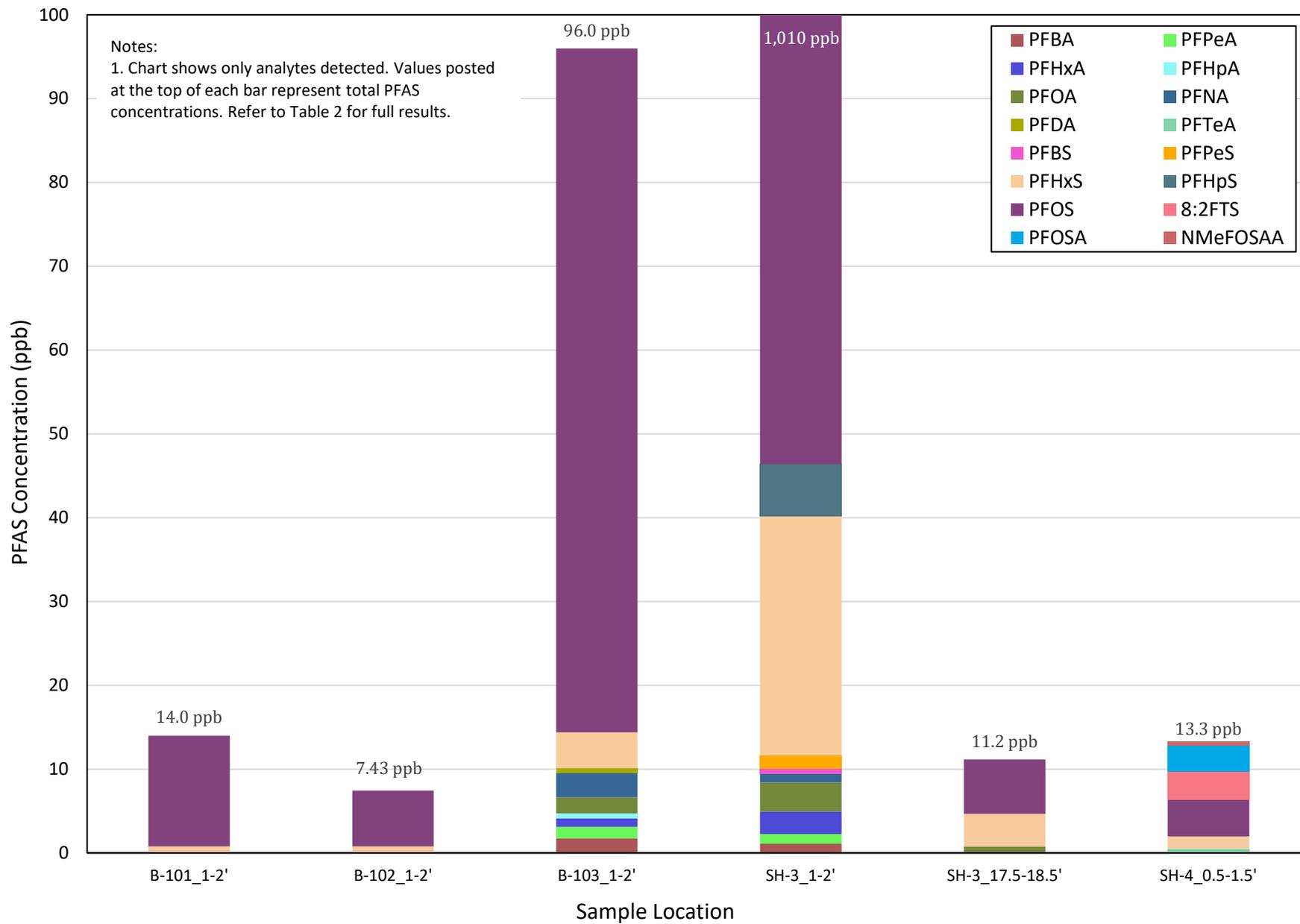


Figure 6C - Distribution of PFAS Compounds in Groundwater

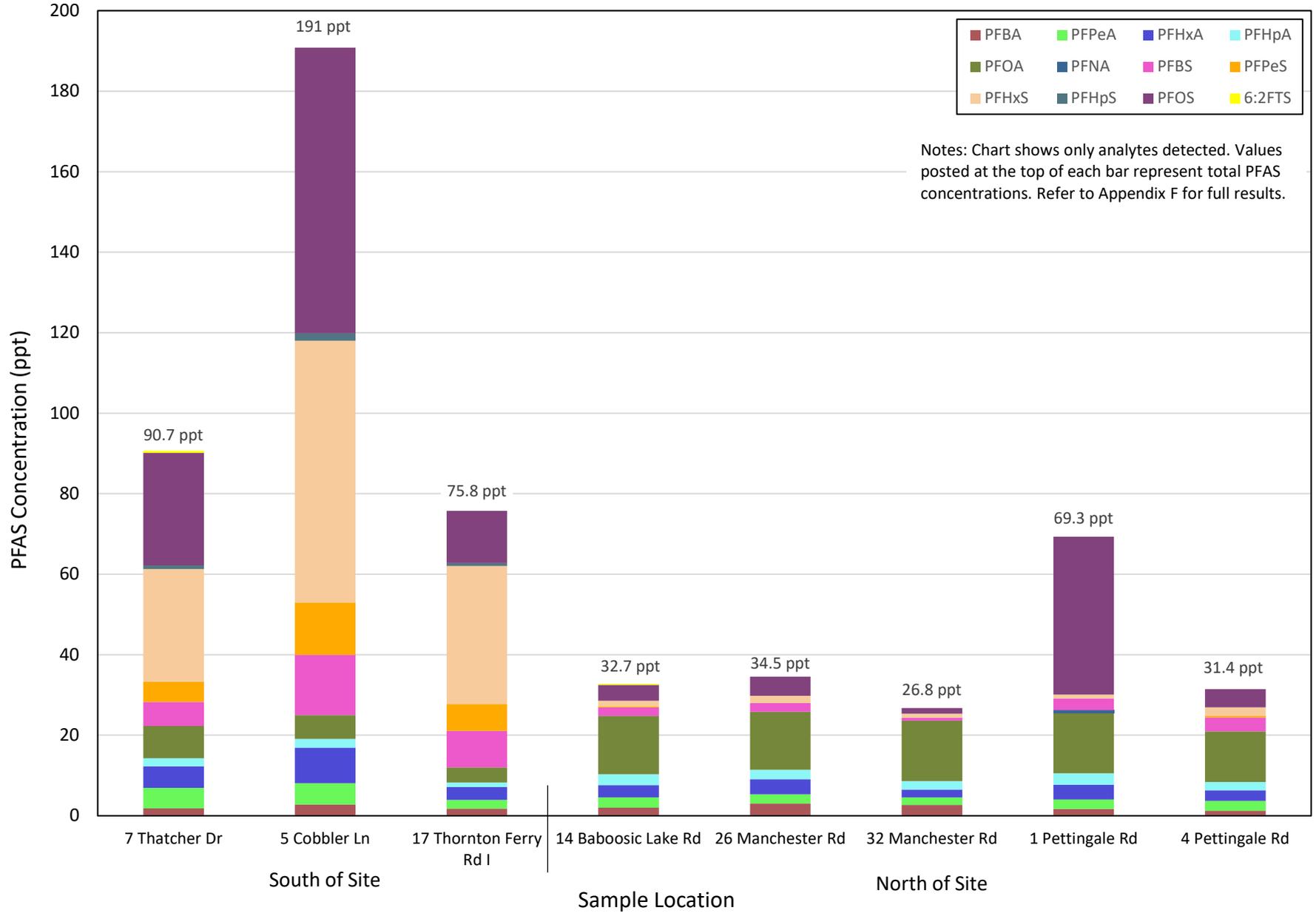
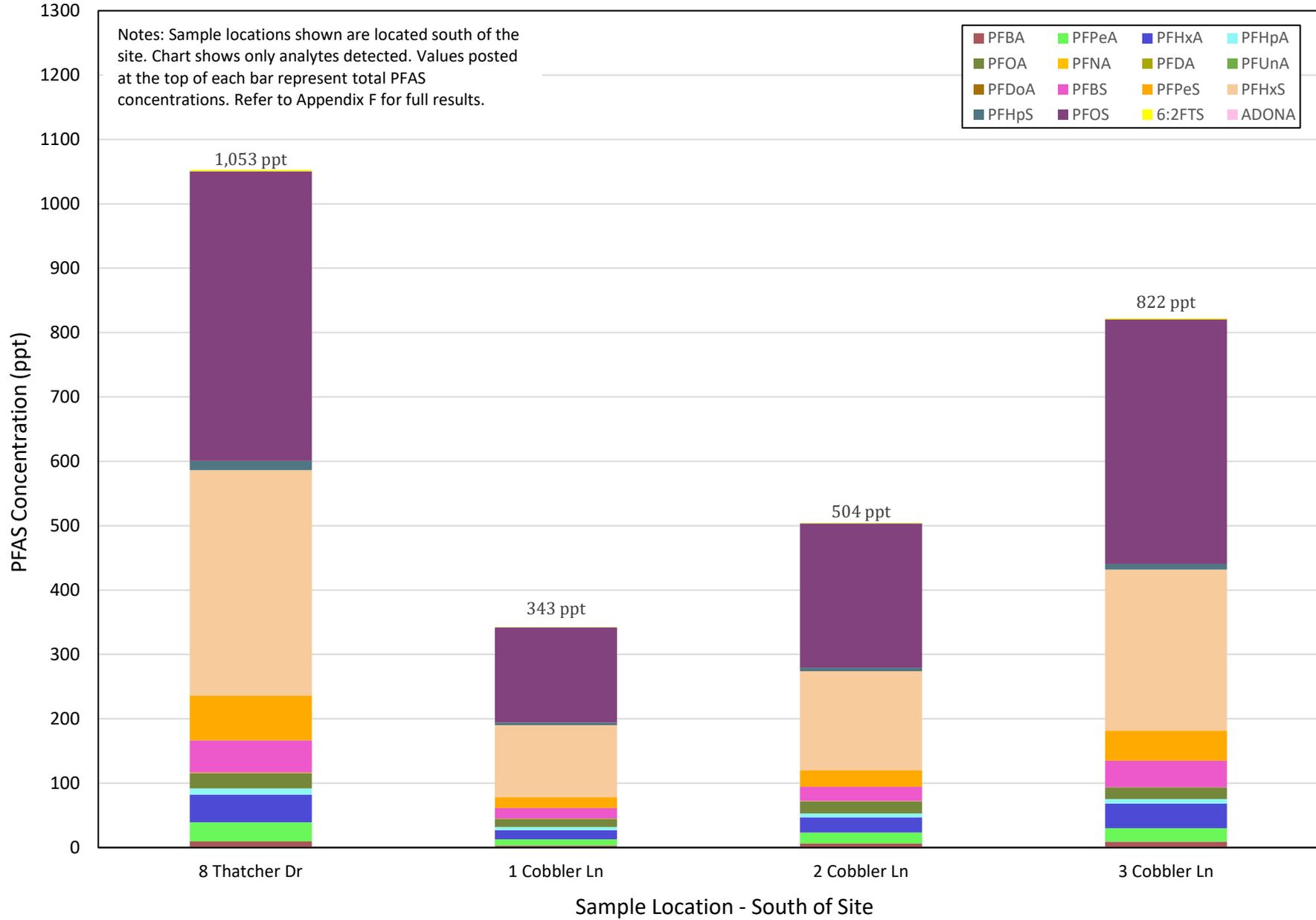


Figure 6D - Distribution of PFAS Compounds in Groundwater



Appendix A

Limitations

APPENDIX A

LIMITATIONS

1. The observations described in this report were made under the conditions stated herein. The conclusions presented in this report were based solely upon the services described herein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the Client.
2. In preparing this report, Sanborn Head has relied on certain information provided by state and local officials and other parties referenced herein, and on information contained in the files of state and/or local agencies available to us at the time of the site assessment. Although there may have been some degree of overlap in the information provided by these various sources, we did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.
3. Should additional information on environmental conditions at the site which is not contained in the report be obtained, such information should be brought to Sanborn Head's attention. We will evaluate such information and, on the basis of our evaluation, may modify the conclusions stated in this report.
4. The conclusions and recommendations contained in this report are based in part upon the data obtained from a limited number of soil samples obtained from widely spaced subsurface explorations/sample locations. The nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to re-evaluate the conclusions and recommendations of this report.
5. The conclusions and recommendations contained in this report are based in part upon various types of chemical data and are contingent upon their validity. These data have been reviewed and interpretations made in this report. As indicated within the report, some of these data are preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, these data should be reviewed by Sanborn Head, and the conclusions and recommendations presented herein modified accordingly.
6. Chemical analyses have been performed for specific parameters during the course of this site assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study might be present in soil and/or groundwater at the site.

Appendix B

Boring Logs



Project: Amherst FSI
 Location: Amherst, NH
 Project No.: 5439.01

Log of Boring B-101

Ground Elevation: Not Available

Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® DPT 7822DT

Sampling Method: 5' MacroCore® Sampler

Drilling Company: Eastern Analytical, Inc.

Foreman: B. Law

Date Started: 10/12/22

Date Finished: 10/12/22

Logged By: C. Vignola

Checked By: H. Caprood

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
10/12/22	---		No Groundwater Encountered			

Depth (ft)	Sample Information					Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Spoon Blows per 6 in	Pen/Rec (in)	Field Testing Data	Log	Description		
0	S-1	0 - 2		24/21	PID: 6.4 ppmv PID: 2.1 ppmv		---	S-1A (0 to 0.6'): Moist. TOPSOIL.	
2							---	S-1B (0.6 to 2'): Brown, fine to coarse SAND, some Gravel, trace Silt. Moist.	
2							---	Boring terminated at 2 feet bgs. Refusal not encountered.	
4								NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 3000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs.	
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8									
10									
12									
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BORING LOG \\CONSERV\1\ISHDATA\5400S\5439.01\WORK\LOGS\5439.01 LOGS.GPJ, 2017 SANBORN HEAD V1.GLB, 2017 SANBORN HEAD V1.GDT, 2/16/23



Project: Amherst FSI
 Location: Amherst, NH
 Project No.: 5439.01

Log of Boring B-102

Ground Elevation: Not Available

Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® DPT 7822DT

Sampling Method: 5' MacroCore® Sampler

Drilling Company: Eastern Analytical, Inc.

Foreman: B. Law

Date Started: 10/12/22

Date Finished: 10/12/22

Logged By: C. Vignola

Checked By: H. Caprood

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
10/12/22	---		No Groundwater Encountered			

Depth (ft)	Sample Information					Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Spoon Blows per 6 in	Pen/ Rec (in)	Field Testing Data	Log	Description		
0	S-1	0 - 2		24/18	PID: 1.6 ppmv PID: 1.1 ppmv		-----0'----- TOPSOIL -----0.6'----- SAND -----2'-----	S-1A (0 to 0.6'): Moist. TOPSOIL. S-1B (0.6 to 2'): Brown, fine to coarse SAND, some Gravel, trace Silt. Moist.	
2								Boring terminated at 2 feet bgs. Refusal not encountered.	
4								NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 3000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs.	
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BORING LOG \\CONSERV\1\ISHDATA\5400S\5439.01\WORK\LOGS\5439.01 LOGS.GPJ 2017 SANBORN HEAD V1.GLB 2017 SANBORN HEAD V1.GDT 2/16/23



Project: Amherst FSI
 Location: Amherst, NH
 Project No.: 5439.01

Log of Boring B-103

Ground Elevation: Not Available

Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® DPT 7822DT

Sampling Method: 5' MacroCore® Sampler

Drilling Company: Eastern Analytical, Inc.

Foreman: B. Law

Date Started: 10/12/22

Date Finished: 10/12/22

Logged By: C. Vignola

Checked By: H. Caprood

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
10/12/22	---		No Groundwater Encountered			

Depth (ft)	Sample Information					Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Spoon Blows per 6 in	Pen/Rec (in)	Field Testing Data	Log	Description		
0	S-1	0 - 2		24/17	PID: 1.9 ppmv PID: 2.4 ppmv PID: 2.1 ppmv		---0'--- TOPSOIL ---0.5'--- SAND ---2'---	S-1A (0 to 0.5'): Moist. TOPSOIL. S-1B (0.5 to 1'): Brown, fine to coarse SAND, some Gravel, trace Silt. Moist. S-1C (1 to 2'): Brown/orange, fine to coarse SAND, little Silt, trace Gravel. Moist.	
2								Boring terminated at 2 feet bgs. Refusal not encountered.	
4								NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 3000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs.	
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BORING LOG \\CONSERV\1\ISHDATA\5400S\5439.01\WORK\LOGS\5439.01 LOGS.GPJ 2017 SANBORN HEAD V1.GLB 2017 SANBORN HEAD V1.GDT 2/16/23



Project: Amherst FSI
 Location: Amherst, NH
 Project No.: 5439.01

Log of Boring SH-1

Ground Elevation: 101.87 ± feet
 Datum: Site Specific

Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® DPT 7822DT

Sampling Method: 5' MacroCore® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.
10/12/22	---	No Groundwater Encountered	

Depth of Casing	Depth of Hole	Stab. Time

Drilling Company: Eastern Analytical, Inc.

Foreman: B. Law

Date Started: 10/12/22

Date Finished: 10/12/22

Logged By: C. Vignola

Checked By: H. Caprood

BORING LOG \\CONSERV\1\ISHDATA\154005\5439.01\WORK\LOGS\5439.01 LOGS.GPJ, 2017 SANBORN HEAD V1.GLB, 2017 SANBORN HEAD V1.GDT, 2/16/23

Depth (ft)	Sample Information				Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Spoon Blows per 6 in	Pen/Rec (in)	Field Testing Data	Log Description		
0	S-1	0 - 5		60/37	PID: 3.8 ppmv PID: 4.1 ppmv	0' TOPSOIL 0.8'	S-1A (0 to 0.8'): Moist. TOPSOIL.	
2							S-1B (0.8 to 5'): Brown, fine to coarse SAND, trace Gravel, trace Silt. Moist. Pulverized Gravel at 4.8-5.0 feet.	
4						SAND		
6	S-2	5 - 10		60/24	PID: 3.8 ppmv		S-2A (5 to 7.5'): Brown, fine to coarse SAND, trace Gravel, trace Silt. Moist.	
8					PID: 5.4 ppmv	7.5'	S-2B (7.5 to 10'): Gray to white, Pulverized fine to coarse GRAVEL, some Sand, trace Silt. Moist.	
10	S-3	10 - 15		60/32	PID: 3.9 ppmv	10'	S-3 (10 to 15'): Brown, fine to coarse SAND and Gravel, trace Silt. Moist. Pulverized Gravel at 14.7-15 feet.	
12						SAND & GRAVEL		
14								
16	S-4	15 - 20		60/40	PID: 6.7 ppmv		S-4A (15 to 16.5'): Brown, fine to coarse SAND and Gravel, trace Silt. Moist.	
18					PID: 6.1 ppmv	16.5'	S-4B (16.5 to 19.5'): White and gray, fine to coarse GRAVEL, some Sand, trace Silt. Moist.	
20	S-5	20 - 21		12/0	PID: 5.4 ppmv	19.5'	S-4C (19.5 to 20'): Gray, Weathered Bedrock. Moist.	
21						WEATHERED BEDROCK 21'	S-5 (20 to 21'): No recovery.	
22							Boring terminated at 21 feet bgs due to refusal.	
24							NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 3000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs. 2. One offset completed approximately 5 feet from original boring; refusal encountered at similar depth.	
26								
28								
30								
32								



Project: Amherst FSI
 Location: Amherst, NH
 Project No.: 5439.01

Log of Boring SH-2

Ground Elevation: 100.05 ± feet
 Datum: Site Specific

Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® DPT 7822DT

Sampling Method: 5' MacroCore® Sampler

Drilling Company: Eastern Analytical, Inc.

Foreman: B. Law

Date Started: 10/12/22

Date Finished: 10/12/22

Logged By: C. Vignola

Checked By: H. Caprood

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
10/12/22	---	No Groundwater Encountered				

BORING LOG \\CONSERV\1\ISHDATA\54005\5439.01\WORK\LOGS\5439.01 LOGS.GPJ, 2017 SANBORN HEAD V1.GLB, 2017 SANBORN HEAD V1.GDT, 2/16/23

Depth (ft)	Sample Information					Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Spoon Blows per 6 in	Pen/ Rec (in)	Field Testing Data	Log	Description		
0	S-1	0 - 5		60/23	PID: 3.1 ppmv PID: 4.2 ppmv		ASPHALT SAND	S-1A (0 to 0.3'): Crushed Asphalt. S-1B (0.3 to 1'): Brown to orange/brown, fine to coarse SAND, trace Silt, trace Silt, very few Organic particles. Moist.	
2								S-1C (1 to 5'): Brown, fine to coarse SAND and Gravel, trace Silt. Moist. Pulverized Gravel at 3.5-4.0 feet.	
4									
6	S-2	5 - 10		60/32	PID: 4.7 ppmv		SAND & GRAVEL	S-2 (5 to 10'): Brown, fine to coarse SAND and Gravel, trace Silt. Moist. Pulverized Gravel at 7.5-8.0 feet.	
8									
10	S-3	10 - 15		60/33	PID: 3.5 ppmv			S-3 (10 to 15'): White and gray, fine to coarse GRAVEL, some Sand, trace Silt. Moist.	
12									
14							GRAVEL		
16	S-4	15 - 16.5		18/10	PID: 3.0 ppmv			S-4 (15 to 16.5'): White and gray, fine to coarse GRAVEL, some Sand, trace Silt. Moist.	
18								Boring terminated at 16.5 feet bgs due to refusal.	
20								NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 3000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs. 2. One offset completed approximately 5 feet from original boring; refusal encountered at similar depth.	
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26									
28									
30									
32									



Project: Amherst FSI
 Location: Amherst, NH
 Project No.: 5439.01

Log of Boring SH-3

Ground Elevation: 95.98 ± feet
 Datum: Site Specific

Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® DPT 7822DT

Sampling Method: 5' MacroCore® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
10/12/22	---	No Groundwater Encountered				

Drilling Company: Eastern Analytical, Inc.

Foreman: B. Law

Date Started: 10/12/22

Date Finished: 10/12/22

Logged By: C. Vignola

Checked By: H. Caprood

BORING LOG \\CONSERV1\ISHDATA\54005\5439.01\WORK\LOGS\5439.01 LOGS.GPJ 2017 SANBORN HEAD V1.GLB 2017 SANBORN HEAD V1.GDT 2/16/23

Depth (ft)	Sample Information					Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Spoon Blows per 6 in	Pen/ Rec (in)	Field Testing Data	Log	Description		
0	S-1	0 - 5		60/37	PID: 0.6 ppmv PID: 0.8 ppmv PID: 2.4 ppmv		S-1A (0 to 0.8'): Moist. TOPSOIL.		
2							S-1B (0.8 to 1.5'): Brown, fine to coarse SAND, little Gravel, trace Silt, very few Organic particles. Moist. Crushed Gravel at 1-1.2 feet.		
4					PID: 1.5 ppmv		S-1C (1.5 to 3.5'): Orange/brown, fine to coarse SAND, little Silt, trace Gravel. Moist.		
6	S-2	5 - 10		60/19	PID: 1.3 ppmv		S-1D (3.5 to 5'): Light brown, fine to coarse SAND, trace Gravel, trace Silt. Moist.	S-2 (5 to 10'): Light brown, fine to coarse SAND, trace Gravel, trace Silt. Moist. Pulverized Gravel at 7-8 feet.	
10	S-3	10 - 15		60/28	PID: 1.6 ppmv PID: 2.3 ppmv		S-3A (10 to 11'): Light brown, fine to coarse SAND, trace Gravel, trace Silt. Moist.		
12							S-3B (11 to 15'): Gray, fine to coarse GRAVEL, some Sand, trace Silt. Moist.		
16	S-4	15 - 19		48/36	PID: 0.8 ppmv		S-4 (15 to 19'): Brown, fine to coarse SAND and Gravel, trace Silt. Moist. Pulverized Gravel at 18.5-18.8 feet. Potential Weathered Bedrock observed at 18.8-19 feet.		
19							Boring terminated at 19 feet bgs due to refusal.		
<p>NOTES:</p> <p>1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 3000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs.</p> <p>2. One offset completed approximately 5 feet from original boring; refusal encountered at similar depth.</p>									



Project: Amherst FSI
 Location: Amherst, NH
 Project No.: 5439.01

Log of Boring SH-4

Ground Elevation: 94.10 ± feet
 Datum: Site Specific

Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® DPT 7822DT

Sampling Method: 5' MacroCore® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
10/12/22	---	No Groundwater Encountered				

Drilling Company: Eastern Analytical, Inc.

Foreman: B. Law

Date Started: 10/12/22

Date Finished: 10/12/22

Logged By: C. Vignola

Checked By: H. Caprood

BORING LOG \\CONSERV\1\SHDATA\54005\5439.01\WORK\LOGS\5439.01 LOGS.GPJ_2017 SANBORN HEAD V1.GLB_2017 SANBORN HEAD V1.GDT_2/16/23

Depth (ft)	Sample Information				Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Spoon Blows per 6 in	Pen/Rec (in)	Field Testing Data	Log Description		
0	S-1	0 - 5		60/17	PID: 6.7 ppmv PID: 5.3 ppmv	TOPSOIL	S-1A (0 to 1'): Moist. TOPSOIL.	
2							S-1B (1 to 5'): Brown, fine to coarse SAND, some Gravel, trace Silt. Moist.	
4	S-2	5 - 10		60/34	PID: 5.0 ppmv PID: 2.2 ppmv	SAND	S-2A (5 to 6'): Brown, fine to coarse SAND, some Gravel, trace Silt. Moist. S-2B (6 to 8'): Brown, fine to coarse SAND, little Silt, trace Gravel, very few Root particles. Moist.	
6							S-2C (8 to 10'): Tan, fine to coarse SAND, some Gravel, trace Silt. Moist.	
8					PID: 4.4 ppmv			
10	S-3	10 - 15		60/25	PID: 5.3 ppmv PID: 4.9 ppmv		S-3A (10 to 11'): Brown, fine to coarse SAND, some Gravel, trace Silt. Moist.	
12							S-3B (11 to 15'): Brown to light brown, fine to coarse SAND and Gravel. Moist. Pulverized Gravel at 13-13.2 feet and 14.4-14.6 feet.	
14	S-4	15 - 20		60/23	PID: 4.2 ppmv	SAND & GRAVEL	S-4A (15 to 17'): Brown to light brown, fine to coarse SAND and Gravel. Moist. Pulverized Gravel at 16.7-17 feet.	
16								
18					PID: 5.2 ppmv		S-4B (17 to 20'): Brown, fine to coarse SAND, trace Gravel, trace Silt. Moist. Pulverized Gravel at 19.7-20 feet.	
20	S-5	20 - 24		48/36	PID: 5.9 ppmv PID: 3.3 ppmv	SAND	S-5A (20 to 21'): Brown, fine to coarse SAND, some Gravel, trace Silt. Moist. S-5B (21 to 23.5'): Brown, fine to coarse SAND, little Gravel, trace Silt. Moist.	
22								
24					PID: 5.1 ppmv		S-5C (23.5 to 24'): Brown, fine to coarse SAND, little Silt, little Gravel. Moist.	
26							Boring terminated at 24 feet bgs due to refusal.	
28							NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 3000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs. 2. One offset completed approximately 5 feet from original boring; refusal encountered at similar depth	
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34								

Appendix C

GPRS Job Summary



Job Summary

Job Date : 10/12/2022

Customer	Sanborn Head & Associates Inc	Phone Number	(941) 685-6697
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Billing Address	City	State	Zip
20 Foundry Street	Concord	NH	03301

Job Details

Jobsite Location	177 AMHERST STREET
City	AMHERST
State	NH

WA Number	391773
Job Num	
PO Num	

Lead Technician	PETERS, MICHAEL	Phone	617-997-7626	Email	michael.peters@gprsinc.com
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Thank you for using GPRS on your project. We appreciate the opportunity to work with you. If you have questions regarding the results of this scanning, please contact the lead GPRS technician on this project.

EQUIPMENT USED

The following equipment was used on this project:

- Underground Scanning GPR antenna. Typically capable of detecting objects up to 8' deep or more in ideal conditions but maximum effective depth can vary widely and depends on site and soil conditions. Depth penetration is most commonly limited by moisture and clay/conductive soils. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors.
- Electromagnetic Pipe and Cable Locator. Detects electromagnetic fields. Used to actively trace conductive pipes and tracer wires, or passively detect power and radio signals traveling along conductive pipes and utilities. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors.

Work Performed

Ground Penetrating Radar Systems performed the following work on this project:

Underground Utility

The scope of work included scanning the specified area to locate underground utilities. A tracer signal was sent along any accessible metallic utility or tracer wire, and the area was scanned with GPR to locate any additional targets. The locations of any detected utilities and anomalies were marked directly at the site with paint, flags, stakes, or other appropriate means, and results were reviewed with onsite personnel unless otherwise noted.

- The scope of work included scanning the areas around proposed soil borings. A radius of approximately 10' around each proposed soil boring was scanned unless otherwise noted. A total of 7 boring locations were scanned.
- Clearing 7 areas for soil boring locations around fire/police/ems station. All findings will be mapped directly on ground and mapped with GPS.
- The effective depth of GPR will vary throughout a site depending on surface and soil conditions. In this area, the maximum effective GPR depth was approximately 5 feet.



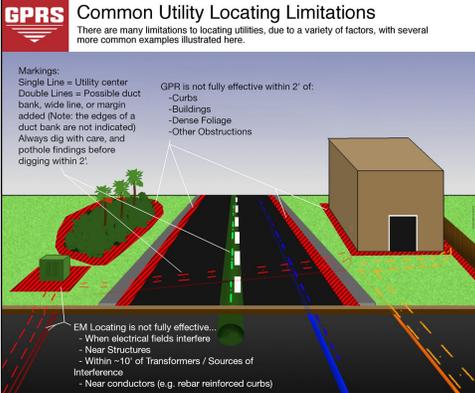
Job Summary

Job Date : 10/12/2022

- All boring locations clears to a max depth of 5'. Scan boundaries are marked in white brackets, no digging should be done outside this markings.

The location behind the fire station nearest the garage was moved due to the findings of an electrical line and an unknown line. Please stay within scan boundaries and avoided these lines by at least 2'.

Pictures



Utility Limitations





Job Summary

Job Date : 10/12/2022





Job Summary

Job Date : 10/12/2022



TERMS & CONDITIONS

https://www.gp-radar.com/legal/terms-conditions?utm_source=jobsummary&utm_medium=referral



Job Summary

Job Date : 10/12/2022

SIGNATURE

A handwritten signature in black ink is located in the signature box. The signature is stylized and appears to be "Gina Panik".

Contact Name

Gina Panik (941) 685-6697 gpanik@sanbornhead.com



Job Summary

Job Date : 10/12/2022



SUBSURFACE INVESTIGATION METHODOLOGY

POWERING THE INDUSTRY STANDARD

Proper training, multiple technologies, and a field-tested methodology are the key to a successful utility locate, concrete scan, and video pipe inspection. GPRS is a master of all three components by utilizing the SIM Specification.

✓ TRAINING
 The industry standard recommends 8 hours as a minimum for training and 60 hours practicing GPR to become certified NDT Level I in Ground Penetrating Radar. In contrast, SIM requires 320 hours of mentorship in the field prior to 80 hours of classroom/hands-on training.

In addition, the classroom training reinforces what a technician learns in the field. This classroom setting also allows them to go deeper into the technical aspects and knowledge needed to perform their jobs at the highest level.

✓ EQUIPMENT
 Subsurface Investigation Methodology (SIM) requires multiple technologies to be used in an investigation. With any investigation, more data points yield the best outcome. When SIM qualified technicians locate a subsurface target such as a pipe, utility, or reinforcing with more than one technology, it confirms the accuracy of the locate. This redundancy also reduces the likelihood of missing a buried target. Redundant results bear more data points; by locating pipes and other targets with different methods utilizing each tool's strengths and weaknesses, technicians reduce the risk of missing key site information.

✓ METHODOLOGY
 The SIM specification is a tested process that allows technicians to acquire accurate and repeatable results. SIM is similar to a machine that requires multiple gears, all working in unison for it to function properly. One of the most critical gears and steps in the SIM process is the repeated methodology that technicians must know for each project.

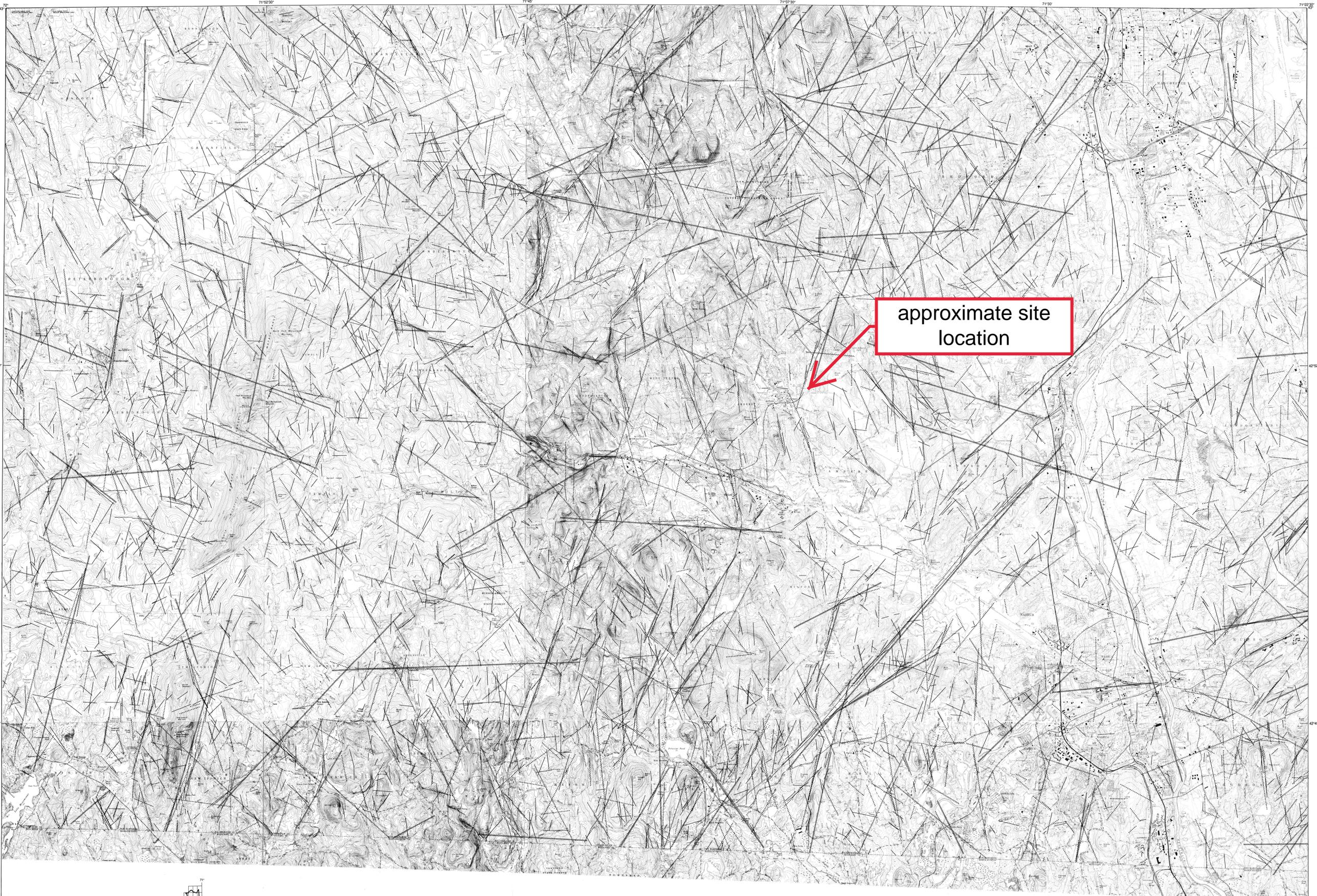
A solid, repeatable methodology guarantees that a concrete scanning, utility locating, or video pipe inspection job can be performed by a seasoned professional but also by a new-to-the-business technician. When the SIM methodology is followed, it allows technicians to achieve the same results regardless of their experience in the field.

SIMSPEC.ORG

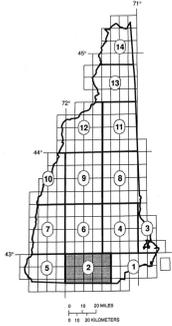


Appendix D

Lineament Map



approximate site
location



Index of New Hampshire showing plate areas,
7.5x7.5 minute topographic quadrangles, and
map area (shaded)

EXPLANATION

Lineaments shown here represent straight photolinear features that are likely to be the result of underlying zones of vertical or high-angle bedrock fractures and are not obviously caused by other geologic or cultural features. U.S. Geological Survey Open-File Report 96-479 Clark and others, 1996, describes the criteria and methods used to identify the lineaments shown in this map.

- Lineament observed by the use of low-altitude aerial photography having an approximate scale of 1:20,000
- Lineament observed by the use of high-altitude aerial photography having an approximate scale of 1:80,000
- Lineament observed by the use of 1:250,000-scale side-looking airborne radar imagery
- Lineament observed by the use of 1:1,000,000-scale Landsat imagery

Note: Additional lineaments that extend into this plate area will likely be identified as work progresses in adjacent map areas. These additions near plate boundaries will be included in future interpretive maps and Geographic Information Systems (GIS) coverages.

REFERENCE CITED

Clark, S.F., Jr., Moore, R.B., Ferguson, E.W., and Picard, M.Z., 1996, Criteria and methods for fracture-trace analysis of the New Hampshire bedrock aquifer. U.S. Geological Survey Open-File Report 96-479, 12 p.



CONTOUR INTERVAL VARIES
NATIONAL GEODETIC VERTICAL DATUM OF 1989

Base from U.S. Geological Survey
Auburnham, Mass.-N.H., 1965, photorevised 1979;
Ashby, Mass.-N.H., 1968, Greenfield, 1967, Greenfield, 1967;
Manchester South, 1968, photorevised 1985; Milford, 1968,
photorevised 1985; Naahua North, 1968, photorevised 1985;
Naahua South, N.H. Mass., 1965, photorevised 1979;
New Boston, 1968, photorevised 1985; Pepperell,
Mass.-N.H., 1965, photorevised 1979; Peterborough
North, 1967; Peterborough South, 1967; Plattsburgh, 1968,
photorevised 1985; South Merrimack, 1968, photorevised 1985;
Townsend, Mass.-N.H., 1965, photorevised 1979;
7.5 x 7.5 minute, 1:24,000 scale

LINEAMENT MAP OF AREA 2 OF THE NEW HAMPSHIRE BEDROCK AQUIFER ASSESSMENT, SOUTH-CENTRAL NEW HAMPSHIRE

By
Stewart F. Clark, Jr., Eric W. Ferguson, M. Zoe Picard, and Richard Bridge Moore
1997

Appendix E

EDR Report



Amherst FSI

177 Amherst Street

Amherst, NH 03031

Inquiry Number: 7154035.8

October 20, 2022

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

10/20/22

Site Name:

Amherst FSI
177 Amherst Street
Amherst, NH 03031
EDR Inquiry # 7154035.8

Client Name:

Sanborn, Head and Associates
20 Foundry Street
Concord, NH 03301
Contact: Gina Ann Panik



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

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1998	1"=500'	Acquisition Date: April 12, 1998	USGS/DOQQ
1993	1"=500'	Flight Date: April 24, 1993	USGS
1985	1"=500'	Flight Date: April 17, 1985	USDA
1977	1"=500'	Flight Date: May 04, 1977	USDA
1967	1"=500'	Flight Date: April 25, 1967	USGS
1965	1"=500'	Flight Date: April 25, 1965	USGS
1952	1"=500'	Flight Date: June 14, 1952	USDA
1947	1"=500'	Flight Date: April 28, 1947	USGS

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INQUIRY #: 7154035.8

YEAR: 2016

— = 500'





INQUIRY #: 7154035.8

YEAR: 2012

— = 500'





INQUIRY #: 7154035.8

YEAR: 2009

— = 500'





INQUIRY #: 7154035.8

YEAR: 2006

— = 500'





INQUIRY #: 7154035.8

YEAR: 1998

— = 500'



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



INQUIRY #: 7154035.8

YEAR: 1993

— = 500'





INQUIRY #: 7154035.8

YEAR: 1985

— = 500'





INQUIRY #: 7154035.8

YEAR: 1977

— = 500'





INQUIRY #: 7154035.8

YEAR: 1967

— = 500'





INQUIRY #: 7154035.8

YEAR: 1965

 = 500'

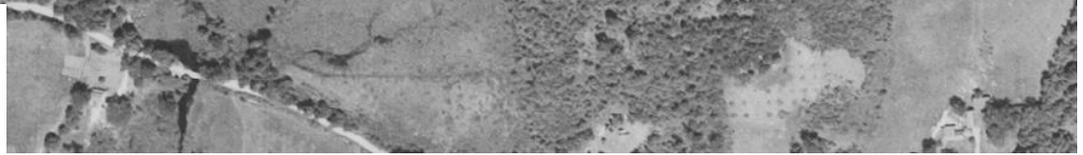




INQUIRY #: 7154035.8

YEAR: 1952

 = 500'





INQUIRY #: 7154035.8

YEAR: 1947

 = 500'





Amherst FSI
177 Amherst Street
Amherst, NH 03031

Inquiry Number: 7154035.3

October 20, 2022

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

10/20/22

Site Name:

Amherst FSI
177 Amherst Street
Amherst, NH 03031
EDR Inquiry # 7154035.3

Client Name:

Sanborn, Head and Associates
20 Foundry Street
Concord, NH 03301
Contact: Gina Ann Panik



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Sanborn, Head and Associates were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

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Certified Sanborn Results:

Certification # CE2C-4BBB-9AA0

PO # 5439.01

Project Amherst FSI

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: CE2C-4BBB-9AA0

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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Amherst FSI

177 Amherst Street
Amherst, NH 03031

Inquiry Number: 7160259.1
October 27, 2022

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2017	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2014	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive

FINDINGS

TARGET PROPERTY STREET

177 Amherst Street
Amherst, NH 03031

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

AMHERST ST

2017	pg A1	EDR Digital Archive
2014	pg A3	EDR Digital Archive
2010	pg A5	EDR Digital Archive
2005	pg A7	EDR Digital Archive
2000	pg A9	EDR Digital Archive
1995	pg A11	EDR Digital Archive
1992	pg A13	EDR Digital Archive

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

LIMBO LN

2017	pg. A2	EDR Digital Archive
2014	pg. A4	EDR Digital Archive
2010	pg. A6	EDR Digital Archive
2005	pg. A8	EDR Digital Archive
2000	pg. A10	EDR Digital Archive
1995	pg. A12	EDR Digital Archive
1992	pg. A14	EDR Digital Archive

City Directory Images

AMHERST ST 2017

141	DUNLAP, WILLIAM H MAVERICKS SQUARE
142	SPIESS, PAUL D
148	B & E CUSTOM CYCLE SHELL WALTS SERVICE
150	GAGNON, CHRIS M
154	FRIEL, THOMAS P
158	STRICKLAND, MARK J
160	TRENTINI, EDWARD J
162	BILLERICA MASONRY MONAGLE, PHILLIP J
164	ROOKBERRY, DANIEL R
166	SICKLER, JAMES L
168	MCNEIL, BRYAN A
169	BAWELL, SHAWN P
170	WOJCICKI, ANTHONY D
174	MORRISON, ARTHUR J
175	TOWN OF AMHERST
176	TEICHMANN, THOMAS
177	TOWN OF AMHERST
178	MACDONALD, STEVEN G

LIMBO LN 2017

- 1 AMHERST VILLAGE DENTAL
ARMSTRONG, ADELLE
ARMSTRONG, JEFFREY W
BERNARD W ANG DMD
- 2 MACKINNON, KATHLEEN J
- 3 ST LUKES ANGLICAN CHURCH
- 4 VIACOM PUBLISHING
VICON PUBLISHING
- 5 PARTNERS EQUITY GROUP OF AMHERST
THISTLE REAL ESTATE HOLDINGS
- 7 GOODEN, RICHARD E

AMHERST ST 2014

141 DUNLAP, WILLIAM H
MAVERICKS SQUARE
142 OCCUPANT UNKNOWN,
144 OCCUPANT UNKNOWN,
148 B & E CUSTOM CYCLE
WALTS SERVICE
149 SALVAS, DAVID G
150 SOUCY, ERIC R
158 STRICKLAND, MARK D
160 TRENTINI, EDWARD J
162 BILLERICA MASONARY
MONAGLE, PHILLIP J
164 CLOSE, LINDSAY M
166 SICKLER, JAMES L
168 MCNEIL, BRYAN A
169 BAWELL, SHAWN P
170 WOJCICKI, ANTHONY M
174 MORRISON, ARTHUR J
175 TOWN OF AMHERST
176 OCCUPANT UNKNOWN,
177 TOWN OF AMHERST
178 WOLSKY, AMELIA

LIMBO LN 2014

- 1 AMHERST VILLAGE DENTAL
ANG BERNARD W DMD
ANG, BERNARD
- 2 SOVIC, MARIJANA
- 3 ST LUKES ANGLICAN CHURCH
- 4 VICON PUBLISHING
- 5 HIGHLAND CONSTRUCTION CORPORATION
MARTIN REALTY
THISTLE REAL ESTATE HOLDINGS
- 7 GOODEN, RICHARD E

AMHERST ST 2010

138	TRIANGLE CREDIT UNION
141	DUNLAP, WILLIAM H SAVOIE, A
142	KEITH, DOUGLAS N
144	MAYHEW, ELAINE M
148	B & E CUSTOM CYCLE WALTS SERVICE
149	SALVAS, DAVID G
150	OCCUPANT UNKNOWN,
154	GERSTENBERGER, RONALD H
158	STRICKLAND, MARK D
160	TRENTINI, EDWARD J
162	BILLERICA MASONRY MONAGLE, PHILLIP J
164	MEZESKE, ANDREW M
166	J L SICKLER CONSTRUCTION SICKLER, THOMAS
168	BREWSTER, PAUL V
169	BAWELL, SHAWN P
170	WOJCICKI, ANTHONY M
174	MORRISON, ARTHUR J
175	AMHERST EMS
176	TEICHMANN, THOMAS E
177	AMHERST FIRE DEPT
178	WOLSKY, STEVEN S

LIMBO LN 2010

- 1 AMHERST VILLAGE DENTAL
PREW JONATHAN
PREW, JONATHAN
- 2 WEHRLI, SANDRA S
- 4 VIACOM PUBLISHING
VICON PUBLISHING
- 5 THISTLE REAL ESTATE HOLDINGS
- 7 GOODEN, RICHARD E

AMHERST ST 2005

141 BLACKLOCK, ANDREA L
DUNLAP, WILLIAM H
HI FI EXCHANGE
OCCUPANT UNKNOWN,
142 KEITH, DOUGLAS N
144 MAYHEW, ELAINE M
148 B & E CUSTOM CYCLE
WALTS TEXACO
149 SALVAS, DAVID G
150 DONOVAN, JEREMIAH M
153 OCCUPANT UNKNOWN,
154 GERSTENBERGER, RONALD H
158 STRICKLAND, MARK D
160 TRENTINI, EDWARD J
162 BILLERICA MASONRY
164 RUDOLPH, AARON
166 SICKLER, THOMAS
168 BREWSTER, PAUL V
169 SLAUGHTER, WAYNE R
170 WOJCICKI, ANTHONY M
174 MORRISON, ARTHUR J
175 AMHERST EMS
176 OCCUPANT UNKNOWN,
177 AMHERST TOWN FIRE DEPT
178 MICROTIME COMPUTERS INC
WOLSKY, STEVEN S
180 STATE FARM INSURANCE

LIMBO LN 2005

- 1 OCCUPANT UNKNOWN,
PATTEN DAVID L
VICTOR HOUSE NEWS CO
- 2 JACKSON, ROBERT F
- 4 ANIMAL LAB
PROTAGORAS SOFTWARE
VICON PUBLISHING INC
VICON PUBLISHING LLC
- 5 ATLANTIC TIMBER
- 7 KOZLOWSKI, LYNN M

AMHERST ST 2000

142 KEITH, CAROLYN R
144 MAYHEW, DANA
148 AMHERST TEXACO
B & E CUSTOM CYCLE
MURRAY, WALTER E
150 BUCK, JULIA
GILCHRIST, EDGAR
154 GERSTENBERGER, RONALD
158 STRICKLAND, M D
160 TRENTINI, EDWARD J
162 BILLERICA MASONRY
164 RUDOLPH, AARON
166 SICKLER, JAMES L
168 BREWSTER PAUL V TAX CONSULTANT
BREWSTER, PAUL
169 SLAUGHTER, WAYNE R
170 WOJCICKI, ANTHONY
175 TOWN OF AMHERST POLICE DEPARTMENT
176 ARNESEN, HANS
177 TOWN OF AMHERST FIRE DEPARTMENT
178 MAPES E W

LIMBO LN 2000

- 1 AMHERST VILLAGE DENTAL
CAVANAUGH, JAMES S
MARTECH COMMUNICATIONS
VICTOR HOUSE NEWS COMPANY
- 2 JACKSON R F ASSOCIATES ARCHT
JACKSON, ROBERT F
PREW JONATHAN ATTORNEY
- 3 PERRY FRANCIS N INS
ST LUKES ANGLICAN CHURCH
- 4 DREHER GREENHALGH & STURM ATTORNEYS
GREENHALGH CHARLES L ATTORNEY
PRAGMATECH
STURM DAVID G ATTORNEY
- 5 ATLANTIC TIMBER
HIGHLAND CONSTRUCTION CORPORATION
THISTLE REAL ESTATE HOLDINGS

AMHERST ST 1995

141 HERTZKA, FELIX
142 BLANNIN, ALAN & DEBRA
144 MAYHEW, DANA
148 AMHERST SERVICE CENTER
KINNEY'S TOWING & TRANSPORTATION INC
TEXACO-AMHERST CENTER
150 HUGHES, WILSON
MEADE, HOLLY
SMICK, NICOLE & NOAH
154 GERSTENBERGER, RONALD
158 STRICKLAND, MARSHALL D
160 TRENTINI, EDW J
162 BILLERICA MASONRY
164 CONNORS, JOS C
168 BREWSTER, PAUL V, TAX CONSLTNT
BREWSTER, PAUL V, TAX CONSLTNT-RES
169 KJELLMAN, HAROLD R
170 WOJCICKI, ANTHONY
175 AMHERST TOWN OF-POLICE DEPTT
MSS
176 ARNESEN, HANS REV & JANINE
MESSIAH LUTHERAN CHURCH ELCA
177 AMHERST TOWN OF FIRE DEPT FIRE DEPT/CIVIL DEFENSEE
178 MAPES, E W
MAPES, EUGENE W, CHIRPRCTR

LIMBO LN 1995

- 1 AMHERST VILLAGE DENTAL
CAVANAUGH, JAS S, III
MARTECH COMMUNICATIONS
VICTOR HOUSE NEWS COMPANY
- 2 ARGONNE INDUSTRIES
JACKSON R F ASSOC, ARCHT
JACKSON, ROBT F
- 4 BRICK HOUSE PUBLISHING
CODDINGTON ENVIRONMENTAL MANAGEMENT INC
EARTH DAY EVERYDAY NETWORK
SEVEN D WHOLESALE
STURM, DAVID G, ATTY
THOMPSON TECHNOLOGY INC
- 5 BASEMENT DE-WATERING SYSTEMS BY JAGER
JAGER CONSTRUCTION
JAGER MOORING'S AND ANCHORS INC
- 7 CORKUM, RONALD & LORRAINE

AMHERST ST 1992

- 141 HERTZKA, FELIX
- 142 BLANNIN, ALAN & DEBRA
- 144 MAYHEW, DANA
- 148 AMHERST SERVICE CENTER
KINNEY'S TOWING & RECOVERY
- 154 GERSTENBERGER, RONALD
- 158 STRICKLAND, MARSHALL D
- 160 TRENTINI, EDW J
- 162 BILLERICA MASONRY
- 168 BREWSTER, PAUL V, TAX CONSLTNT
BREWSTER, PAUL V, TAX CONSLTNT-RES
- 169 KJELLMAN, HAROLD R
- 170 WOJCICKI, ANTHONY
- 175 AMHERST TOWN OF-POLICE DEPT
MSS
- 176 MESSIAH LUTHERAN CHURCH
- 177 AMHERST TOWN OF-FIRE DEPT-FIRE STA

LIMBO LN 1992

- 1 AMHERST VILLAGE DENTAL ASSOCS
CRT BUSINESS SERVICES
VICTOR HOUSE NEWS COMPANY
- 2 DONOVON SERVICE
JACKSON R F ASSOC, ARCHT
JACKSON, ROBT F
- 4 AGI INTERNATIONAL
ANATEK CORP
ANSWERBANK
PHYSICIANS & DENTAL CONSORTIUM OF NE
ROWE, ROBT H, ATTY
THOMPSON TECHNOLOGY INC
- 5 JAGER CONSTRUCTION
NEW ENGLAND MULTI-FUNDING
TRUE SOUND PRODUCTIONS

Amherst FSI
177 Amherst Street
Amherst, NH 03031

Inquiry Number: 7154035.4

October 20, 2022

EDR Historical Topo Map Report

with QuadMatch™



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

EDR Historical Topo Map Report

10/20/22

Site Name:

Amherst FSI
177 Amherst Street
Amherst, NH 03031
EDR Inquiry # 7154035.4

Client Name:

Sanborn, Head and Associates
20 Foundry Street
Concord, NH 03301
Contact: Gina Ann Panik



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

Search Results:**Coordinates:**

P.O.#	5439.01	Latitude:	42.865203 42° 51' 55" North
Project:	Amherst FSI	Longitude:	-71.615353 -71° 36' 55" West
		UTM Zone:	Zone 19 North
		UTM X Meters:	286355.84
		UTM Y Meters:	4749164.26
		Elevation:	269.16' above sea level

Maps Provided:

2018	1906
2015	
2012	
1985	
1974	
1968	
1953	
1943	

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Topo Sheet Key

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

2018 Source Sheets



South Merrimack
2018
7.5-minute, 24000



Milford
2018
7.5-minute, 24000



Pinardville
2018
7.5-minute, 24000



New Boston
2018
7.5-minute, 24000

2015 Source Sheets



South Merrimack
2015
7.5-minute, 24000



Milford
2015
7.5-minute, 24000



Pinardville
2015
7.5-minute, 24000



New Boston
2015
7.5-minute, 24000

2012 Source Sheets



South Merrimack
2012
7.5-minute, 24000



Milford
2012
7.5-minute, 24000



Pinardville
2012
7.5-minute, 24000

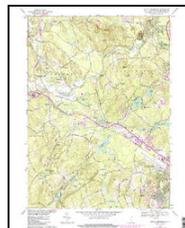


New Boston
2012
7.5-minute, 24000

1985 Source Sheets



New Boston
1985
7.5-minute, 24000
Aerial Photo Revised 1982



South Merrimack
1985
7.5-minute, 24000
Aerial Photo Revised 1982



Pinardville
1985
7.5-minute, 24000
Aerial Photo Revised 1985

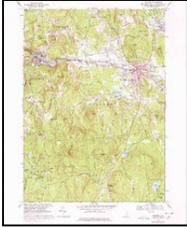


Milford
1985
7.5-minute, 24000
Aerial Photo Revised 1982

Topo Sheet Key

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

1974 Source Sheets



Milford
1974
7.5-minute, 24000
Aerial Photo Revised 1974

1968 Source Sheets



Milford
1968
7.5-minute, 24000
Aerial Photo Revised 1967

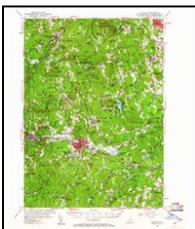


South Merrimack
1968
7.5-minute, 24000
Aerial Photo Revised 1965



Pinardville
1968
7.5-minute, 24000
Aerial Photo Revised 1965

1953 Source Sheets



Milford
1953
15-minute, 62500
Aerial Photo Revised 1952

1943 Source Sheets



Fitchburg
1943
30-minute, 125000

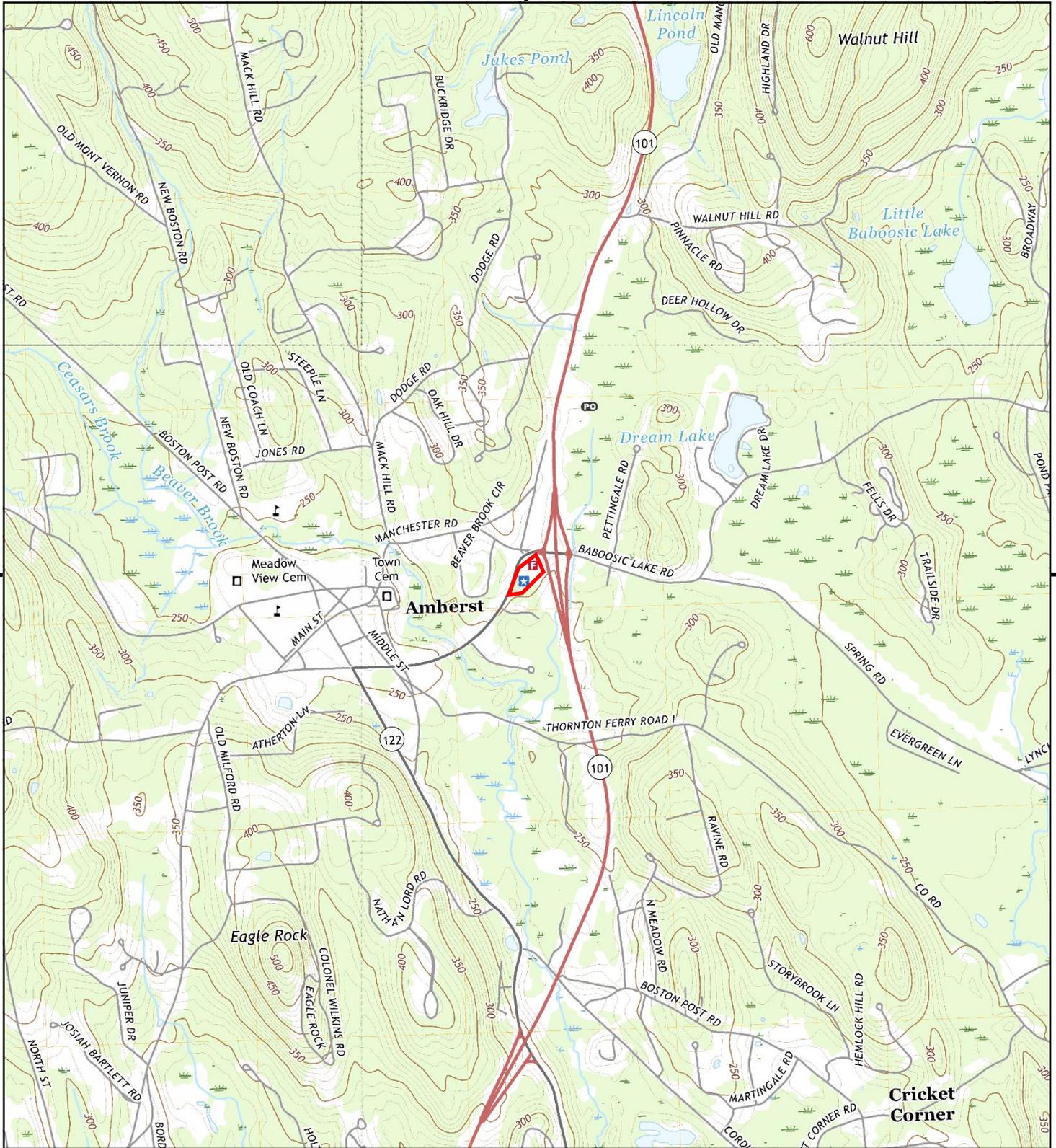
Topo Sheet Key

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

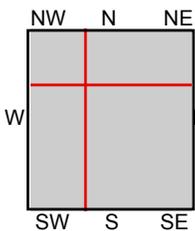
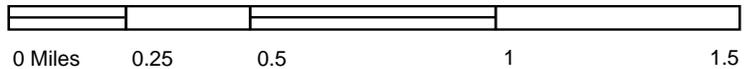
1906 Source Sheets



Milford
1906
15-minute, 62500



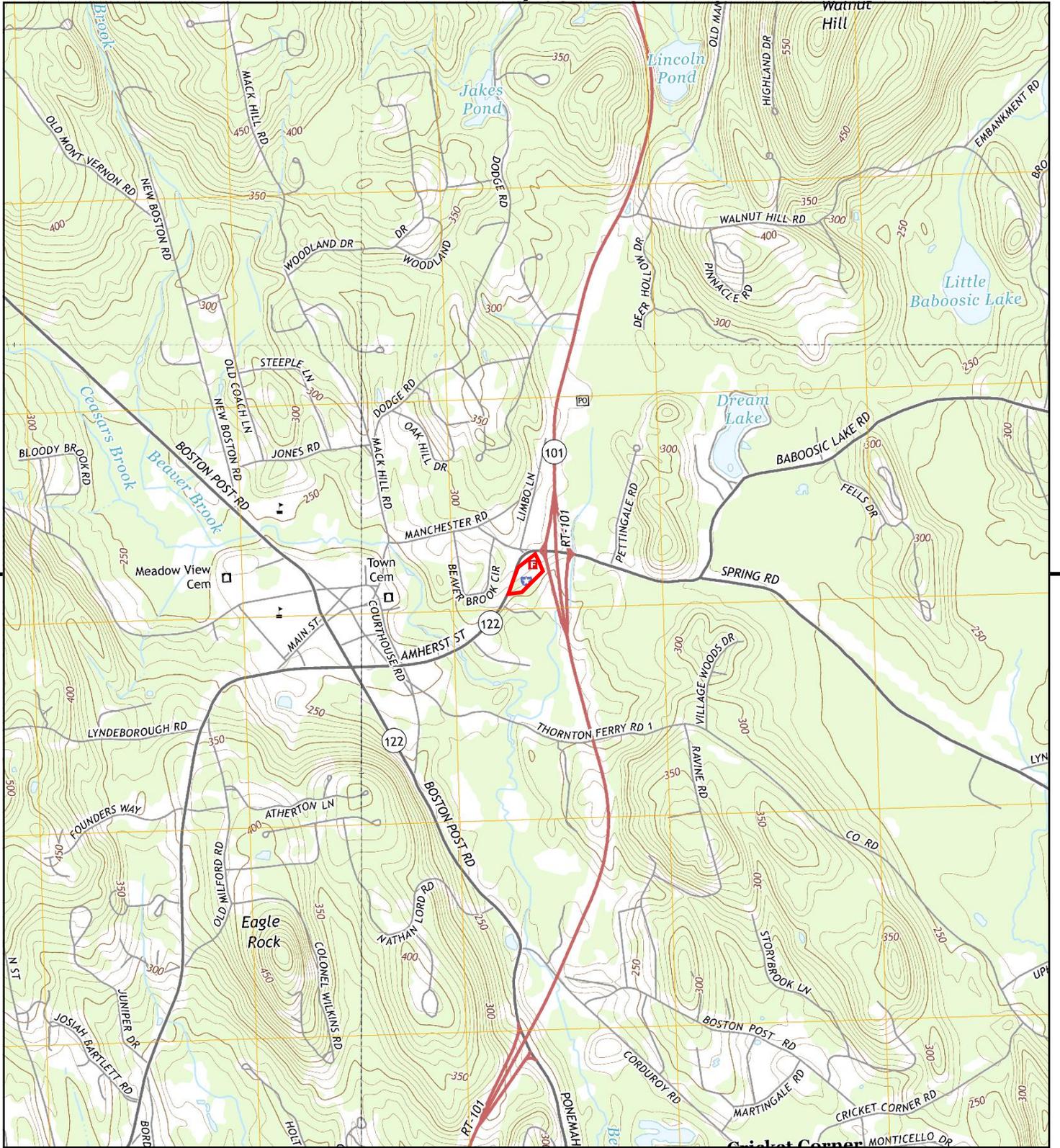
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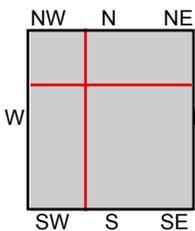
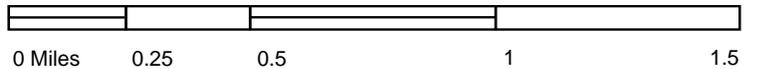
TP, South Merrimack, 2018, 7.5-minute
 NE, Pinardville, 2018, 7.5-minute
 SW, Milford, 2018, 7.5-minute
 NW, New Boston, 2018, 7.5-minute

SITE NAME: Amherst FSI
ADDRESS: 177 Amherst Street
 Amherst, NH 03031
CLIENT: Sanborn, Head and Associates





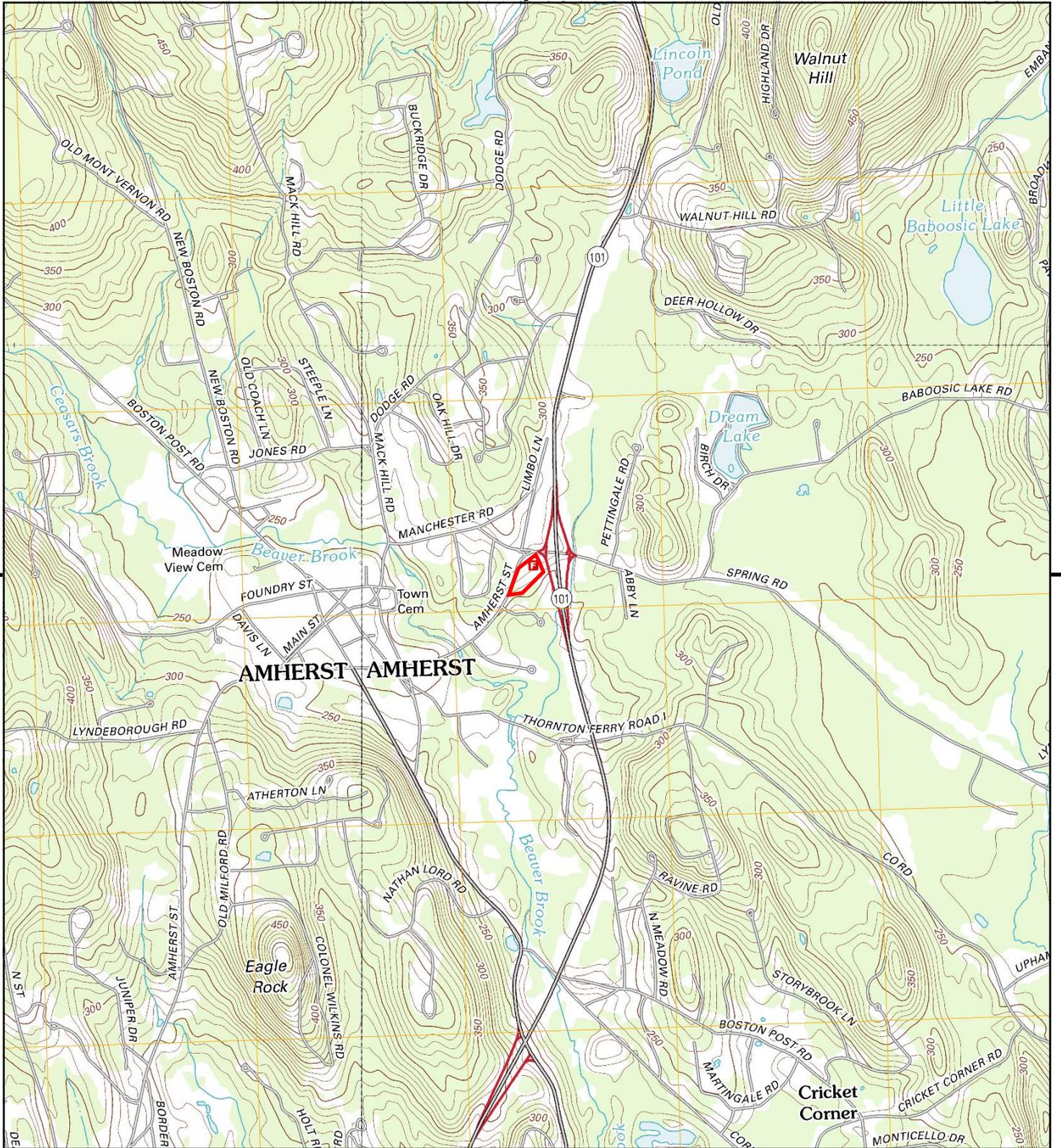
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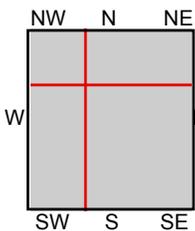
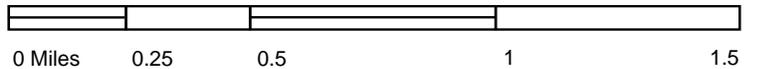
TP, South Merrimack, 2015, 7.5-minute
 NE, Pinardville, 2015, 7.5-minute
 SW, Milford, 2015, 7.5-minute
 NW, New Boston, 2015, 7.5-minute

SITE NAME: Amherst FSI
ADDRESS: 177 Amherst Street
 Amherst, NH 03031
CLIENT: Sanborn, Head and Associates





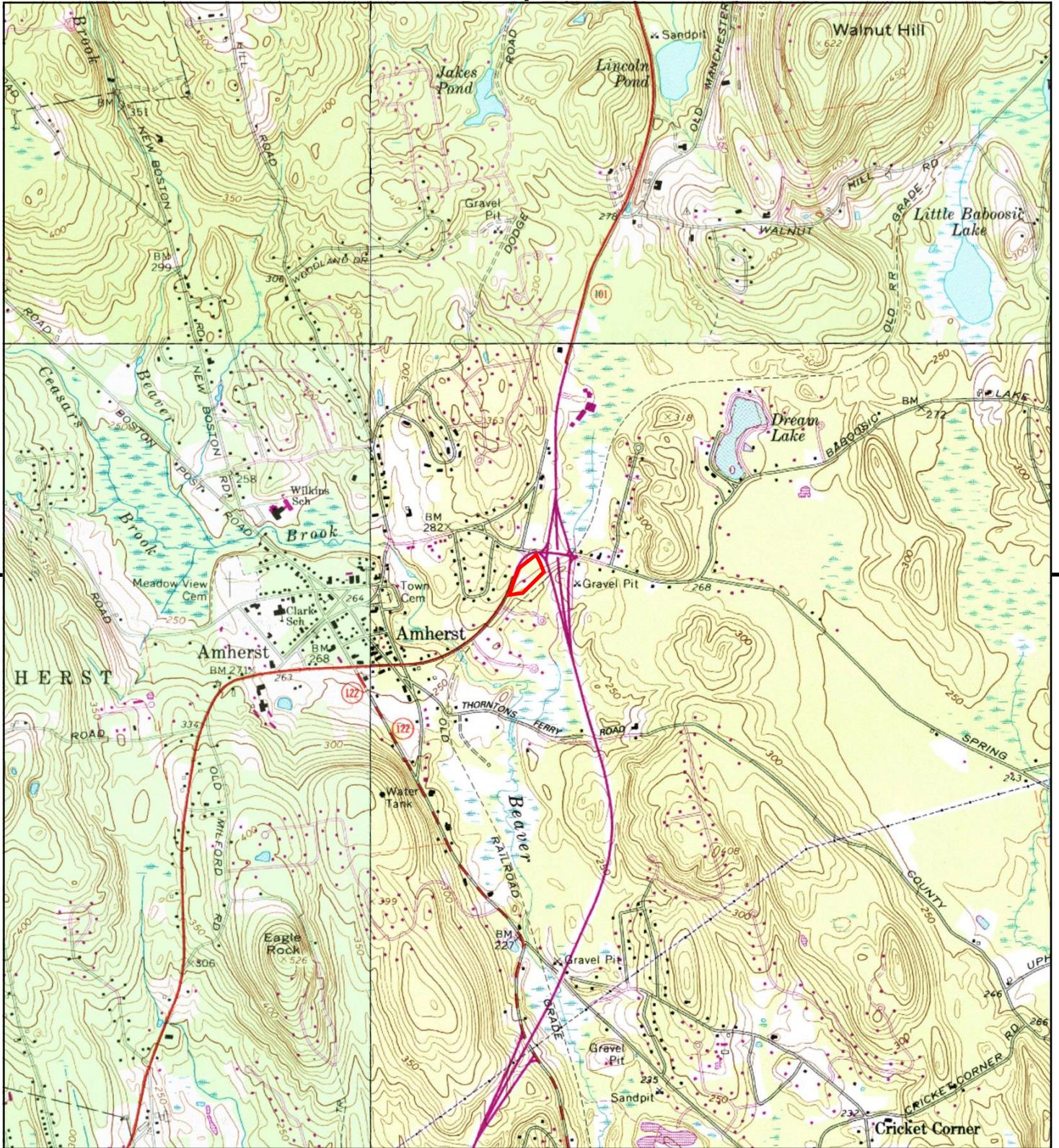
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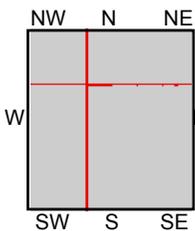
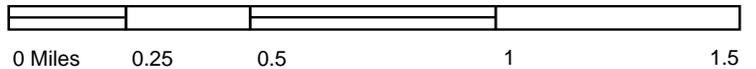
TP, South Merrimack, 2012, 7.5-minute
 NE, Pinardville, 2012, 7.5-minute
 SW, Milford, 2012, 7.5-minute
 NW, New Boston, 2012, 7.5-minute

SITE NAME: Amherst FSI
ADDRESS: 177 Amherst Street
 Amherst, NH 03031
CLIENT: Sanborn, Head and Associates





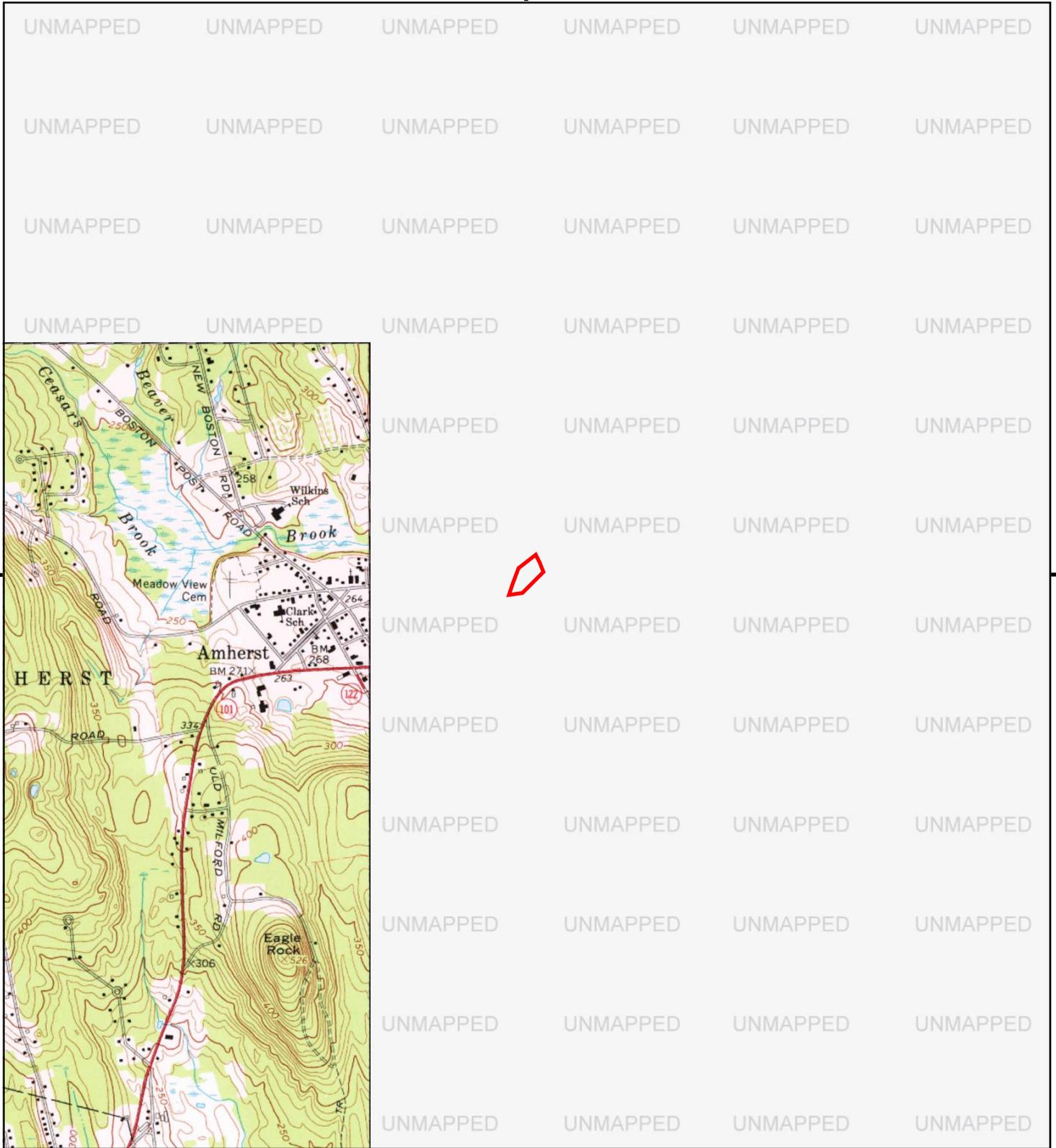
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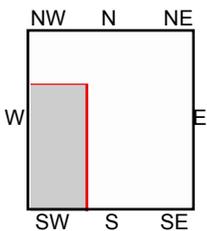
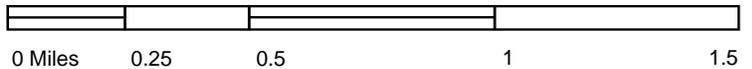
TP, South Merrimack, 1985, 7.5-minute
 NE, Pinardville, 1985, 7.5-minute
 SW, Milford, 1985, 7.5-minute
 NW, New Boston, 1985, 7.5-minute

SITE NAME: Amherst FSI
ADDRESS: 177 Amherst Street
 Amherst, NH 03031
CLIENT: Sanborn, Head and Associates





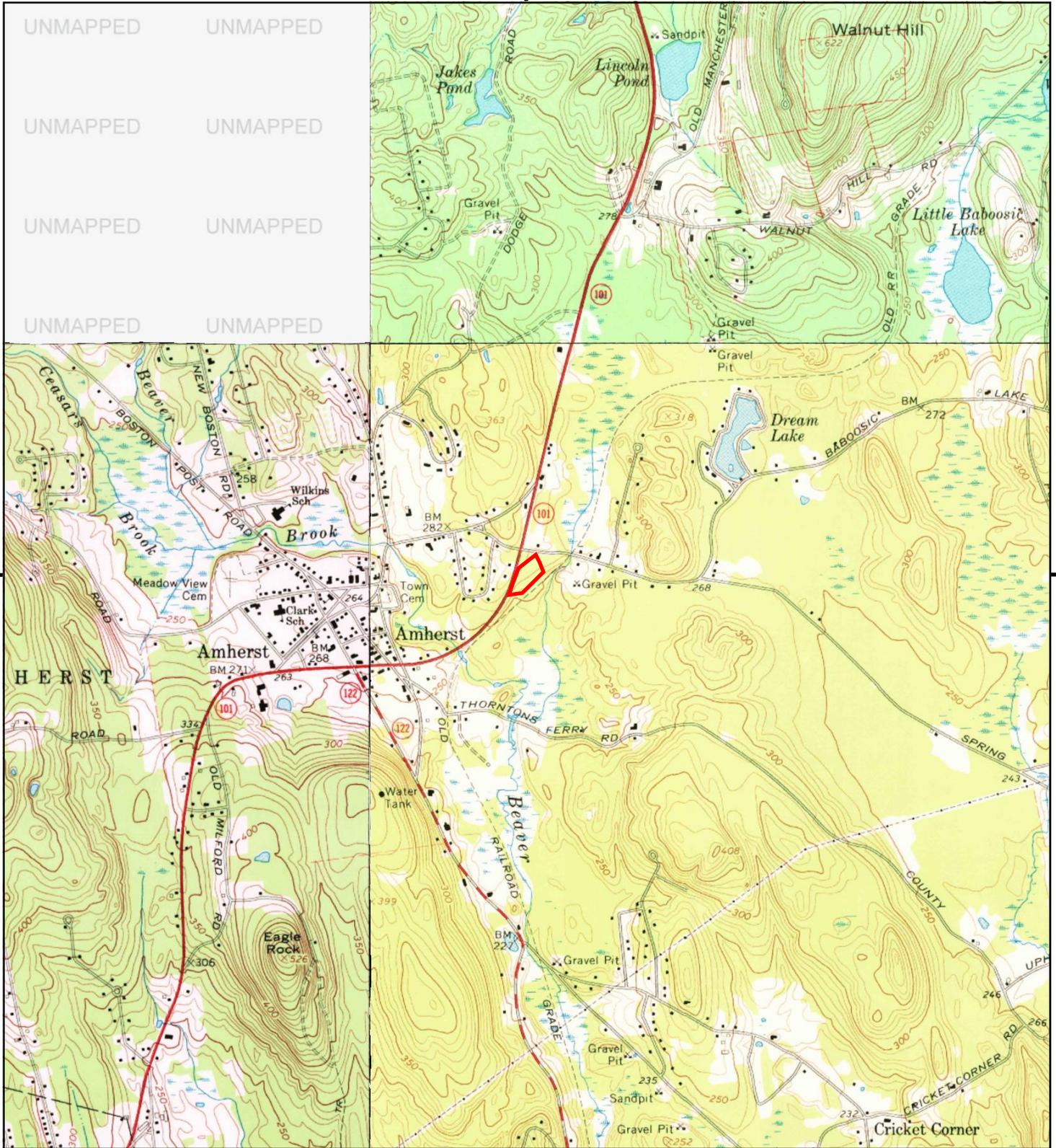
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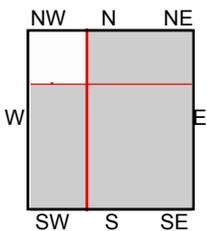
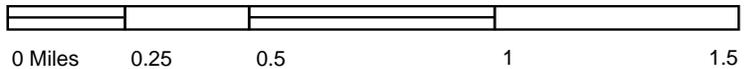
SW, Milford, 1974, 7.5-minute

SITE NAME: Amherst FSI
 ADDRESS: 177 Amherst Street
 Amherst, NH 03031
 CLIENT: Sanborn, Head and Associates





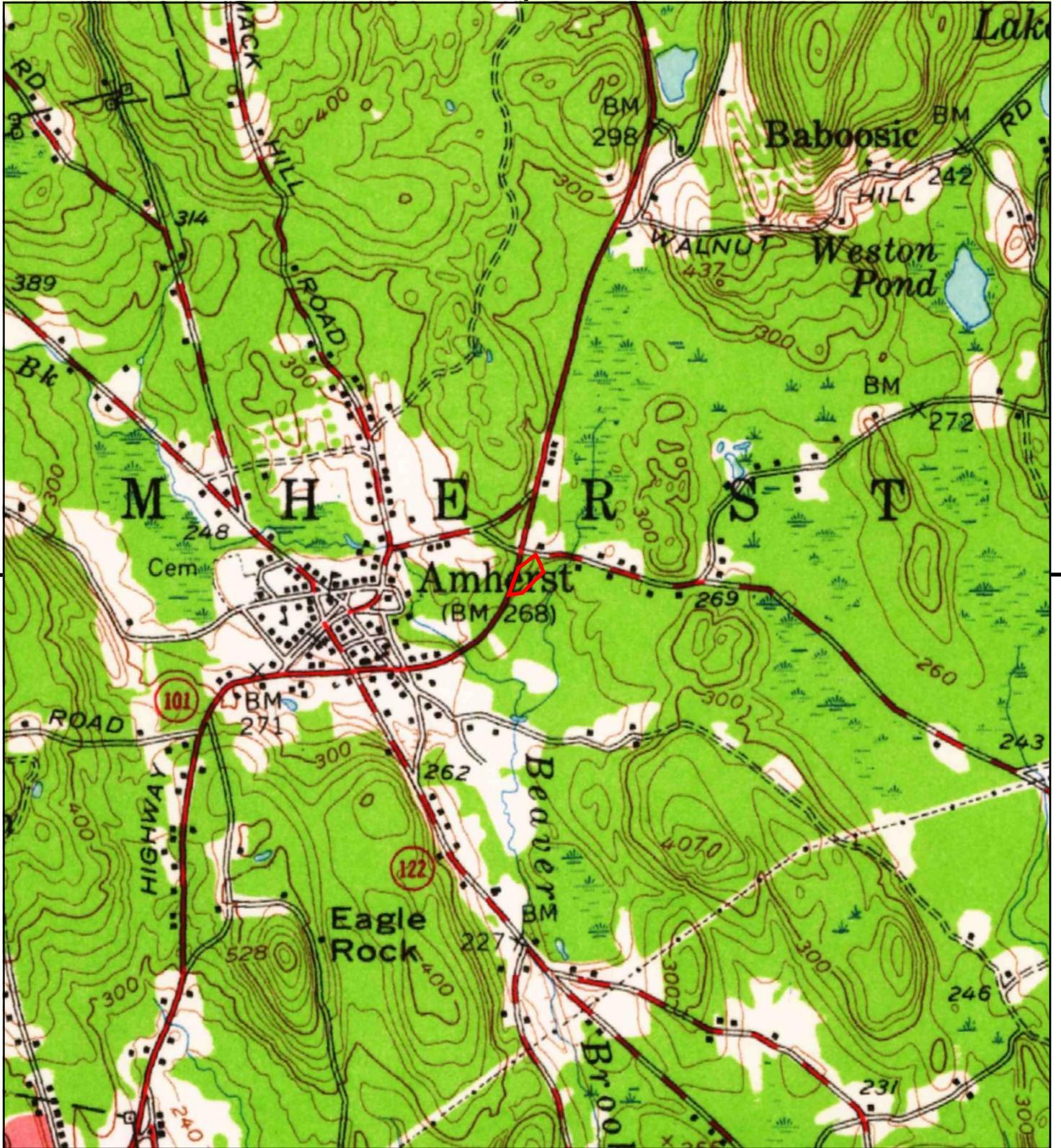
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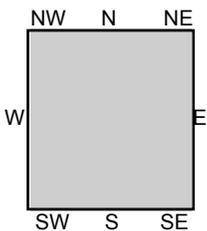
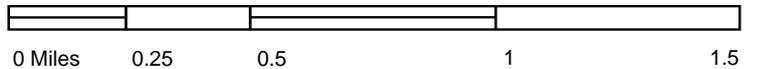
TP, South Merrimack, 1968, 7.5-minute
 NE, Pinardville, 1968, 7.5-minute
 SW, Milford, 1968, 7.5-minute

SITE NAME: Amherst FSI
ADDRESS: 177 Amherst Street
 Amherst, NH 03031
CLIENT: Sanborn, Head and Associates





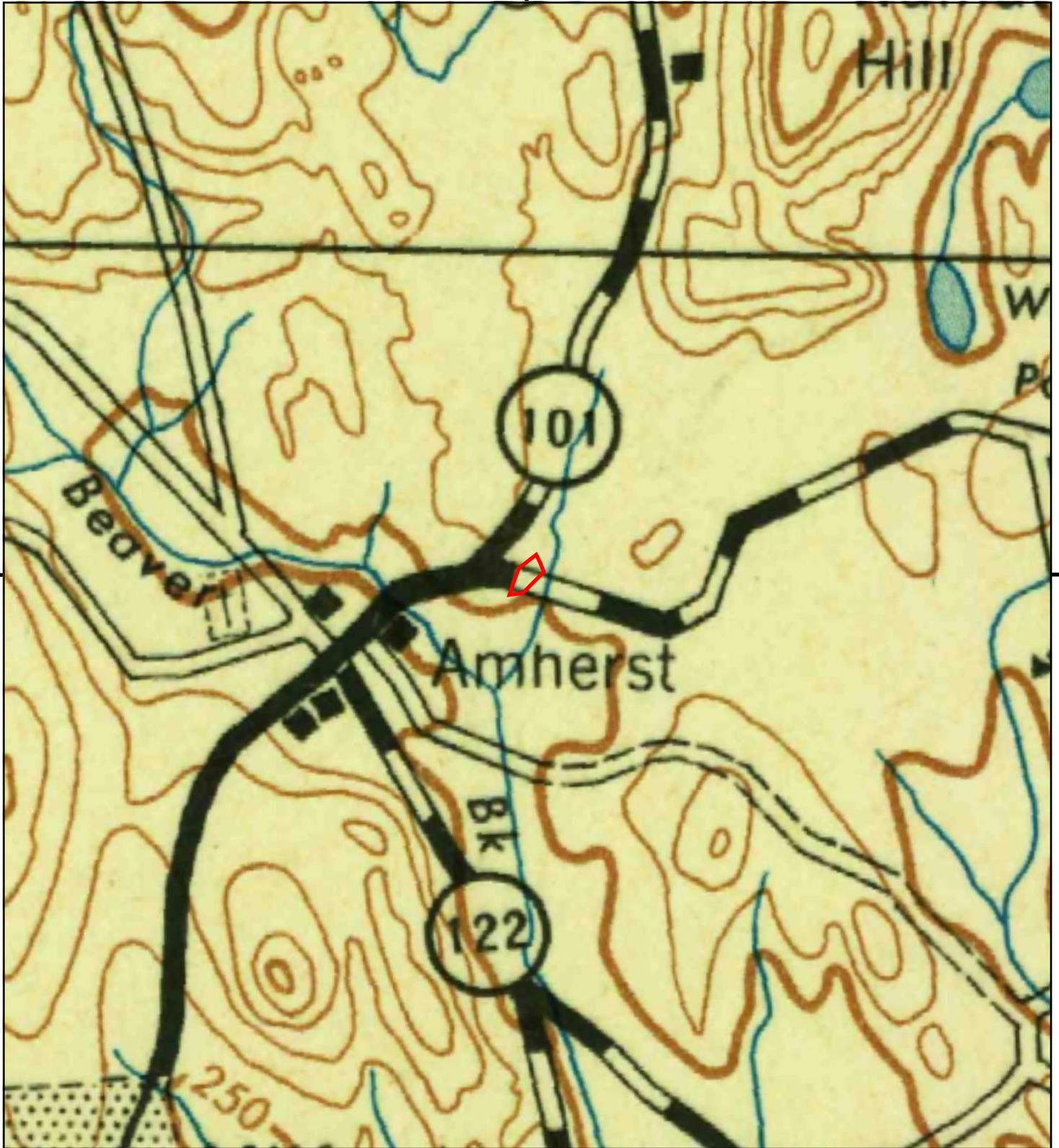
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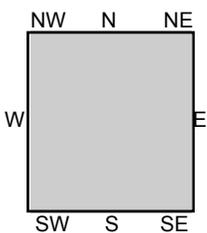
TP, Milford, 1953, 15-minute

SITE NAME: Amherst FSI
 ADDRESS: 177 Amherst Street
 Amherst, NH 03031
 CLIENT: Sanborn, Head and Associates





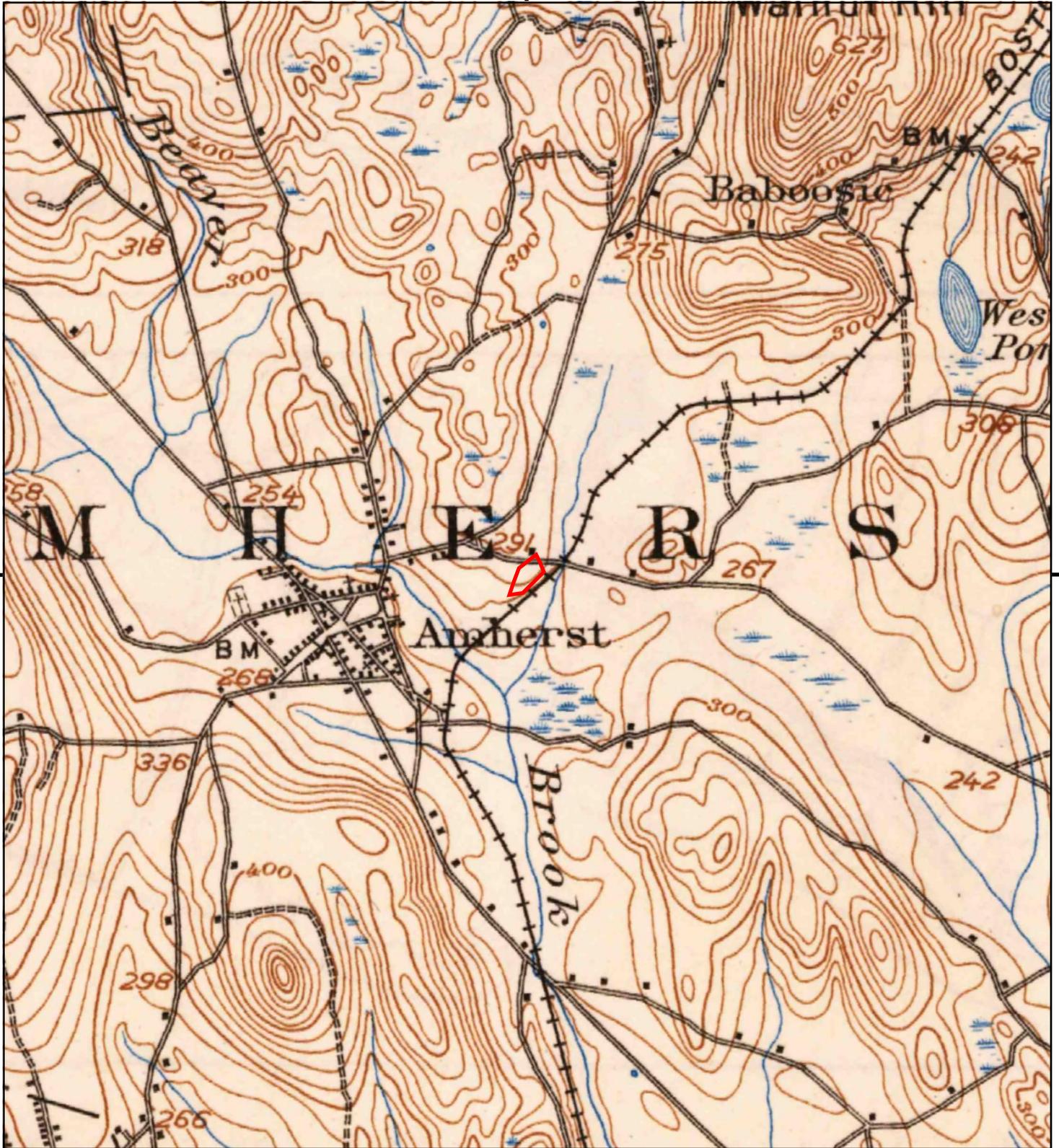
This report includes information from the following map sheet(s).



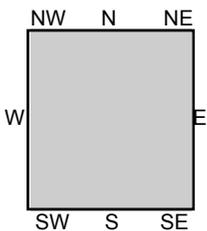
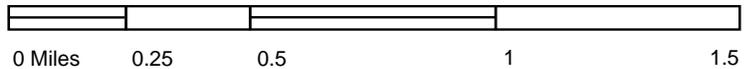
TP, Fitchburg, 1943, 30-minute

SITE NAME: Amherst FSI
ADDRESS: 177 Amherst Street
Amherst, NH 03031
CLIENT: Sanborn, Head and Associates





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



TP, Milford, 1906, 15-minute

SITE NAME: Amherst FSI
 ADDRESS: 177 Amherst Street
 Amherst, NH 03031
 CLIENT: Sanborn, Head and Associates



Amherst FSI

177 Amherst Street
Amherst, NH 03031

Inquiry Number: 7154035.2s
October 20, 2022

The EDR Radius Map™ Report with GeoCheck®



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

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	16
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-20
Physical Setting Source Map Findings	A-22
Physical Setting Source Records Searched	PSGR-1

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

177 AMHERST STREET
AMHERST, NH 03031

COORDINATES

Latitude (North): 42.8652030 - 42° 51' 54.73"
Longitude (West): 71.6153530 - 71° 36' 55.27"
Universal Tranverse Mercator: Zone 19
UTM X (Meters): 286349.8
UTM Y (Meters): 4748949.5
Elevation: 269 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	11743669 SOUTH MERRIMACK, NH
Version Date:	2018
Northeast Map:	11743667 PINARDVILLE, NH
Version Date:	2018
Southwest Map:	11743659 MILFORD, NH
Version Date:	2018
Northwest Map:	11743661 NEW BOSTON, NH
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140712
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
177 AMHERST STREET
AMHERST, NH 03031

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	AMHERST FIRE DEPARTM	177 AMHERST RD	FINDS, ECHO		TP
A2	AMHERST FIRE DEPT TO	177 AMHERST RD	RCRA NonGen / NLR		TP
3	AMHERST VILLAGE DENT	1 LIMBO LN	RCRA NonGen / NLR	Higher	212, 0.040, North
4	SNHMC	8 LIMBO LANE	ALLSITES	Higher	1109, 0.210, North

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
AMHERST FIRE DEPARTM 177 AMHERST RD AMHERST, NH 03031	FINDS Registry ID:: 110023111602 ECHO Registry ID: 110023111602	N/A
AMHERST FIRE DEPT TO 177 AMHERST RD AMHERST, NH 03031	RCRA NonGen / NLR EPA ID:: NHD510069768	NHD510069768

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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

Lists of Federal CERCLA sites with NFRAP

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

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS..... Corrective Action Report

Lists of Federal RCRA TSD facilities

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

EXECUTIVE SUMMARY

Lists of Federal RCRA generators

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

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal hazardous waste facilities

SHWS..... Listing of All Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Solid Waste Facility Information

Lists of state and tribal leaking storage tanks

LAST..... Listing of All Sites
LUST..... Listing of All Sites
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
UST..... Underground Storage Tank Registration Data
AST..... Registered Aboveground Petroleum Storage Tank Database
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

INST CONTROL..... Activity and Use Restrictions

Lists of state and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program Sites

Lists of state and tribal brownfield sites

BROWNFIELDS..... Brownfields Sites

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL.....	Delisted National Clandestine Laboratory Register
CDL.....	Clandestine Drug Lab Listing
US CDL.....	National Clandestine Laboratory Register
AQUEOUS FOAM.....	Aqueous Film Forming Foam Release Investigations Listing
PFAS.....	PFAS Contamination Site Location Listing

Local Land Records

LIENS.....	Environmental Liens Information Listing
LIENS 2.....	CERCLA Lien Information

Records of Emergency Release Reports

HMIRS.....	Hazardous Materials Information Reporting System
SPILLS.....	Listing of All Sites
SPILLS 90.....	SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees

EXECUTIVE SUMMARY

INDIAN RESERV.	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
AIRS	Permitted Airs Facility Listing
ASBESTOS	ASBESTOS
DRYCLEANERS	Listing of Drycleaners
Financial Assurance	Financial Assurance Information Listing
LEAD	Lead Inspection Database
NPDES	NPDES Permit Listing
MINES MRDS	Mineral Resources Data System
MANIFEST	Hazardous Waste Manifest Information Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

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

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

ALLSITES: Provides information on sites in New Hampshire, with activities that either have resulted in groundwater contamination or pose a potential hazard to groundwater supplies. The regulated activities and groundwater hazards include: confirmed releases of oil or hazardous materials to the soil and/or groundwater as a result of discharges, spills, and removal of underground storage tanks; underground injection wells such as floor drains, leaching galleries, and septic systems anything other than domestic wastewater; large discharges of wastewater such as domestic wastewater septic systems which are designed to discharge more than 20,000 gpd, land application of wastewater treatment facility effluent (spray irrigation, rapid infiltration rapid infiltration basins, etc.) and unlined septage and wastewater lagoons; unpermitted hazardous waste storage facilities; landfills and other waste repositories in which groundwater quality is at risk.

A review of the ALLSITES list, as provided by EDR, and dated 07/29/2022 has revealed that there is 1 ALLSITES site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SNHMC Facility Id: 201510012 Project Manager: REGISTRATION	8 LIMBO LANE	N 1/8 - 1/4 (0.210 mi.)	4	15

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/20/2022 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

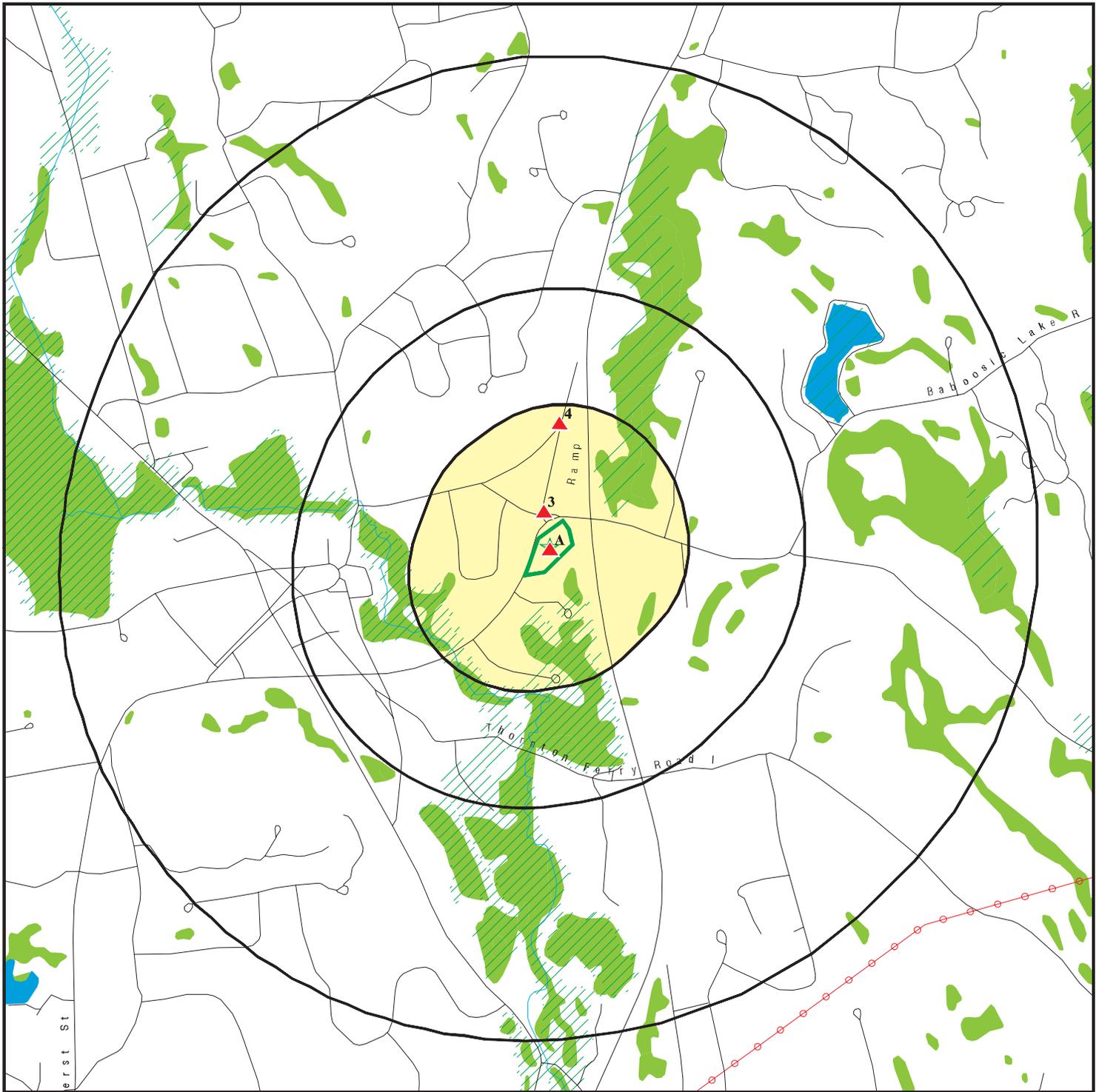
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMHERST VILLAGE DENT EPA ID:: NHD510115132	1 LIMBO LN	N 0 - 1/8 (0.040 mi.)	3	10

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

<u>Site Name</u>	<u>Database(s)</u>
AMHERST STREET/COBBLER LANE AREA	ALLSITES
AMHERST STREET EXXON	EDR Hist Auto

OVERVIEW MAP - 7154035.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

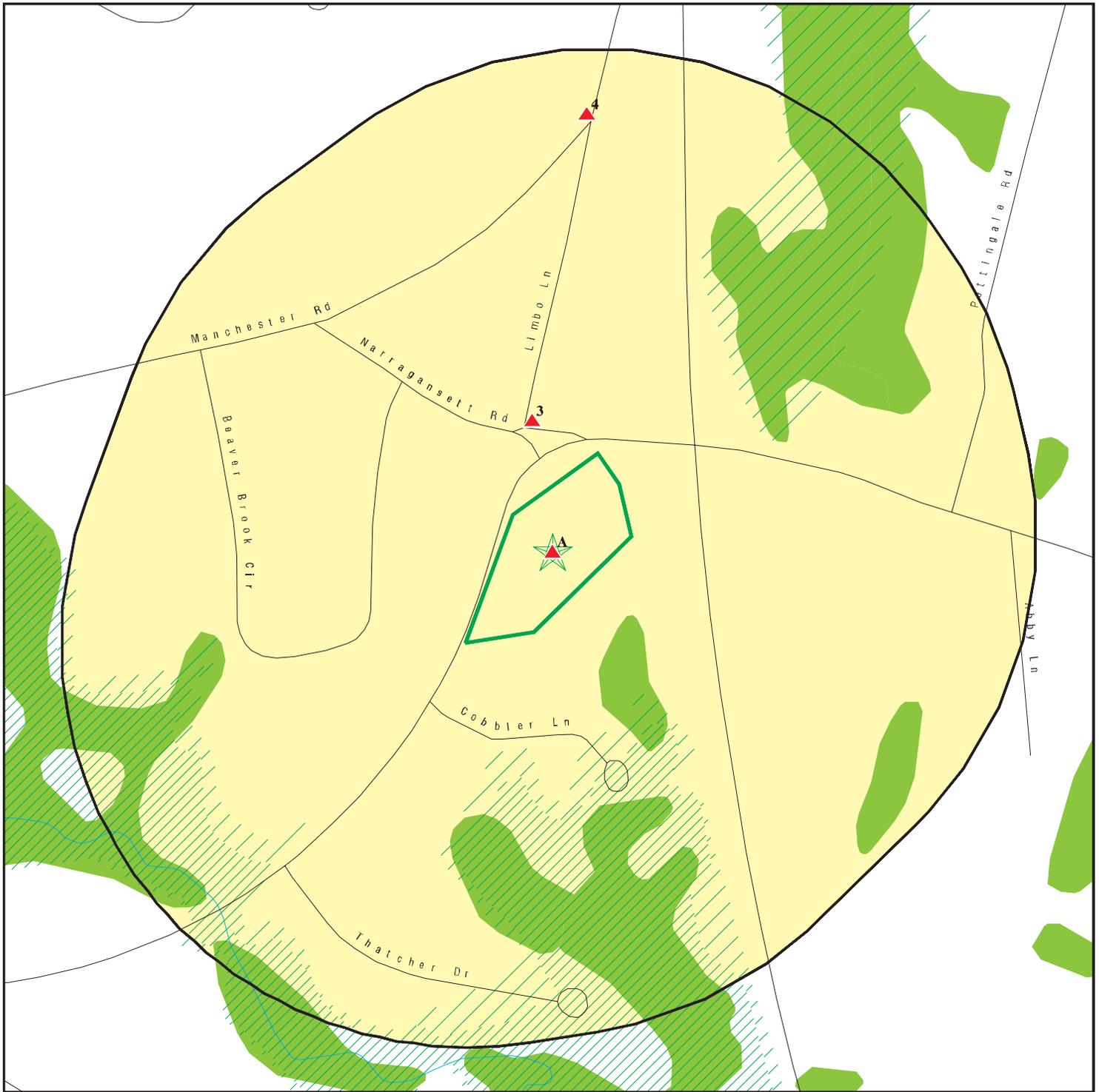
State Wetlands

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

SITE NAME: Amherst FSI
 ADDRESS: 177 Amherst Street
 Amherst NH 03031
 LAT/LONG: 42.865203 / 71.615353

CLIENT: Sanborn, Head and Associates
 CONTACT: Gina Ann Panik
 INQUIRY #: 7154035.2s
 DATE: October 20, 2022 9:53 am

DETAIL MAP - 7154035.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands

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

SITE NAME: Amherst FSI
 ADDRESS: 177 Amherst Street
 Amherst NH 03031
 LAT/LONG: 42.865203 / 71.615353

CLIENT: Sanborn, Head and Associates
 CONTACT: Gina Ann Panik
 INQUIRY #: 7154035.2s
 DATE: October 20, 2022 9:54 am

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	1	1	0	NR	NR	NR	2
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
ECHO	TP	1	NR	NR	NR	NR	NR	1
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
LEAD	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		3	1	1	0	0	0	5

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AMHERST FIRE DEPT TOWN OF (Continued)

1008884596

Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDs Where RCRA CA has Been Imposed Universe:		No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSD Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20051020
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		Not reported
Manifest Broker:		Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AMHERST FIRE DEPT TOWN OF (Continued)

1008884596

Sub-Part P Indicator: No

Historic Generators:
 Receive Date: 19990306
 Handler Name: AMHERST FIRE DEPT TOWN OF
 Federal Waste Generator Description: Not a generator, verified
 State District Owner: Not reported
 Large Quantity Handler of Universal Waste: No
 Recognized Trader Importer: No
 Recognized Trader Exporter: No
 Spent Lead Acid Battery Importer: No
 Spent Lead Acid Battery Exporter: No
 Current Record: Yes
 Non Storage Recycler Activity: Not reported
 Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
 NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
 Violations: No Violations Found

Evaluation Action Summary:
 Evaluations: No Evaluations Found

3
North
< 1/8
0.040 mi.
212 ft.

AMHERST VILLAGE DENTAL ASSOCIATES
1 LIMBO LN
AMHERST, NH 03031

RCRA NonGen / NLR

1005416978
NHD510115132

Relative:
Higher
Actual:
284 ft.

RCRA Listings:
 Date Form Received by Agency: 20110308
 Handler Name: AMHERST VILLAGE DENTAL ASSOCIATES
 Handler Address: 1 LIMBO LN
 Handler City,State,Zip: AMHERST, NH 03031
 EPA ID: NHD510115132
 Contact Name: DIANE BEAULIEU
 Contact Address: Not reported
 Contact City,State,Zip: Not reported
 Contact Telephone: 603-673-5510
 Contact Fax: Not reported
 Contact Email: FRONTDESK@ANG-DMD.COM
 Contact Title: Not reported
 EPA Region: 01
 Land Type: Private
 Federal Waste Generator Description: Not a generator, verified
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Not reported
 State District Owner: Not reported
 State District: Not reported
 Mailing Address: PO BOX 1080

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AMHERST VILLAGE DENTAL ASSOCIATES (Continued)

1005416978

Mailing City,State,Zip:		AMHERST, NH 03031
Owner Name:	BERNARD W ANG D	
Owner Type:		Private
Operator Name:	BERNARD W ANG D	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRC Permit Baseline:		Not on the Baseline
2018 GPRC Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRC Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20110727
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMHERST VILLAGE DENTAL ASSOCIATES (Continued)

1005416978

Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported
Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D011
Waste Description: SILVER

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: BERNARD W ANG DMD PC
Legal Status: Private
Date Became Current: 20051207
Date Ended Current: Not reported
Owner/Operator Address: 53 STOWELL RD
Owner/Operator City,State,Zip: BEDFORD, NH 03108
Owner/Operator Telephone: 603-315-7750
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BERNARD W ANG D
Legal Status: Private
Date Became Current: 20051207
Date Ended Current: Not reported
Owner/Operator Address: 53 STOWELL RD
Owner/Operator City,State,Zip: BEDFORD, NH 03108
Owner/Operator Telephone: 603-315-7750
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: OWNER
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: OWNER STREET
Owner/Operator City,State,Zip: OWNER CITY, NH 12345
Owner/Operator Telephone: 603-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BERNARD W ANG D
Legal Status: Private
Date Became Current: 20051207
Date Ended Current: Not reported
Owner/Operator Address: 53 STOWELL RD
Owner/Operator City,State,Zip: BEDFORD, NH 03108
Owner/Operator Telephone: 603-315-7750
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMHERST VILLAGE DENTAL ASSOCIATES (Continued)

1005416978

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: BERNARD W ANG DMD PC

Legal Status: Private

Date Became Current: 20051207

Date Ended Current: Not reported

Owner/Operator Address: 53 STOWELL RD

Owner/Operator City,State,Zip: BEDFORD, NH 03108

Owner/Operator Telephone: 603-315-7750

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: BERNARD W ANG DMD PC

Legal Status: Private

Date Became Current: 20051207

Date Ended Current: Not reported

Owner/Operator Address: 53 STOWELL RD

Owner/Operator City,State,Zip: BEDFORD, NH 03108

Owner/Operator Telephone: 603-315-7750

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: BERNARD W ANG DMD PC

Legal Status: Private

Date Became Current: 20051207

Date Ended Current: Not reported

Owner/Operator Address: 53 STOWELL RD

Owner/Operator City,State,Zip: BEDFORD, NH 03108

Owner/Operator Telephone: 603-315-7750

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20050609

Handler Name: AMHERST VILLAGE DENTAL PLLC

Federal Waste Generator Description: Not a generator, verified

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No

Recognized Trader Importer: No

Recognized Trader Exporter: No

Spent Lead Acid Battery Importer: No

Spent Lead Acid Battery Exporter: No

Current Record: No

Non Storage Recycler Activity: Not reported

Electronic Manifest Broker: Not reported

Receive Date: 20020326

Handler Name: AMHERST VILLAGE DENTAL PLLC

Federal Waste Generator Description: Not a generator, verified

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMHERST VILLAGE DENTAL ASSOCIATES (Continued)

1005416978

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060514
Handler Name: AMHERST VILLAGE DENTAL ASSOCIATES
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20071213
Handler Name: AMHERST VILLAGE DENTAL ASSOCIATES
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20110308
Handler Name: AMHERST VILLAGE DENTAL ASSOCIATES
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 62121
NAICS Description: OFFICES OF DENTISTS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

4
North
1/8-1/4
0.210 mi.
1109 ft.

SNHMC
8 LIMBO LANE
AMHERST, NH

ALLSITES

S118361834
N/A

Relative:
Higher

ALLSITES:

Actual:
293 ft.

Name:	SNHMC
Address:	8 LIMBO LANE
City,State,Zip:	AMHERST, NH
Facility ID:	201510012
Project Type:	UIC
Project Description:	UNDERGROUND INJECTION CONTROL
Project Manager:	REGISTRATION
Expiration Date:	Not reported

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
AMHERST	S128651886	AMHERST STREET/COBBLER LANE AREA	AMHERST STREET/COBBLER LANE AR		ALLSITES
AMHERST	1021837813	AMHERST STREET EXXON	A234 AMHERST ST RR 101	03031	EDR Hist Auto

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

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

Date of Government Version: 07/26/2022	Source: EPA
Date Data Arrived at EDR: 08/02/2022	Telephone: N/A
Date Made Active in Reports: 08/22/2022	Last EDR Contact: 10/05/2022
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/09/2023
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 07/26/2022	Source: EPA
Date Data Arrived at EDR: 08/02/2022	Telephone: N/A
Date Made Active in Reports: 08/22/2022	Last EDR Contact: 10/05/2022
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/09/2023
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 09/06/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 07/26/2022	Source: EPA
Date Data Arrived at EDR: 08/02/2022	Telephone: 800-424-9346
Date Made Active in Reports: 08/22/2022	Last EDR Contact: 10/05/2022
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/23/2023
	Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/20/2022	Source: EPA
Date Data Arrived at EDR: 06/21/2022	Telephone: 800-424-9346
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 09/19/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (888) 372-7341
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 09/19/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (888) 372-7341
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 09/19/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (888) 372-7341
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 09/19/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (888) 372-7341
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 09/19/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 05/16/2022	Source: Department of the Navy
Date Data Arrived at EDR: 05/19/2022	Telephone: 843-820-7326
Date Made Active in Reports: 07/29/2022	Last EDR Contact: 08/03/2022
Number of Days to Update: 71	Next Scheduled EDR Contact: 11/21/2022
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 05/16/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/24/2022	Telephone: 703-603-0695
Date Made Active in Reports: 07/29/2022	Last EDR Contact: 08/17/2022
Number of Days to Update: 66	Next Scheduled EDR Contact: 12/05/2022
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 05/16/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/24/2022	Telephone: 703-603-0695
Date Made Active in Reports: 07/29/2022	Last EDR Contact: 08/17/2022
Number of Days to Update: 66	Next Scheduled EDR Contact: 12/05/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 06/14/2022

Source: National Response Center, United States Coast Guard

Date Data Arrived at EDR: 06/15/2022

Telephone: 202-267-2180

Date Made Active in Reports: 06/21/2022

Last EDR Contact: 09/20/2022

Number of Days to Update: 6

Next Scheduled EDR Contact: 01/02/2023

Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: Listing of All Sites

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

Date of Government Version: 07/29/2022

Source: Department of Environmental Services

Date Data Arrived at EDR: 07/29/2022

Telephone: 603-271-2919

Date Made Active in Reports: 10/14/2022

Last EDR Contact: 07/29/2022

Number of Days to Update: 77

Next Scheduled EDR Contact: 11/14/2022

Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Solid Waste Facility Information

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

Date of Government Version: 04/12/2022

Source: Department of Environmental Services

Date Data Arrived at EDR: 04/13/2022

Telephone: 603-271-5380

Date Made Active in Reports: 07/11/2022

Last EDR Contact: 09/22/2022

Number of Days to Update: 89

Next Scheduled EDR Contact: 01/23/2023

Data Release Frequency: Annually

Lists of state and tribal leaking storage tanks

LUST: Listing of All Sites

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

Date of Government Version: 07/29/2022

Source: Department of Environmental Services

Date Data Arrived at EDR: 07/29/2022

Telephone: 603-271-2975

Date Made Active in Reports: 10/14/2022

Last EDR Contact: 07/29/2022

Number of Days to Update: 77

Next Scheduled EDR Contact: 11/14/2022

Data Release Frequency: Quarterly

LAST: Listing of All Sites

Leaking Aboveground Storage Tank Incident Reports.

Date of Government Version: 07/29/2022

Source: Department of Environmental Services

Date Data Arrived at EDR: 07/29/2022

Telephone: 603-271-2975

Date Made Active in Reports: 10/14/2022

Last EDR Contact: 07/29/2022

Number of Days to Update: 77

Next Scheduled EDR Contact: 11/14/2022

Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/11/2022	Source: EPA, Region 5
Date Data Arrived at EDR: 06/13/2022	Telephone: 312-886-7439
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/28/2022	Source: EPA Region 6
Date Data Arrived at EDR: 06/13/2022	Telephone: 214-665-6597
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/13/2022	Telephone: 415-972-3372
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 06/02/2022	Source: EPA Region 4
Date Data Arrived at EDR: 06/13/2022	Telephone: 404-562-8677
Date Made Active in Reports: 08/31/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/20/2022	Source: EPA Region 8
Date Data Arrived at EDR: 06/13/2022	Telephone: 303-312-6271
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2022	Source: EPA Region 10
Date Data Arrived at EDR: 06/13/2022	Telephone: 206-553-2857
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021	Source: EPA Region 1
Date Data Arrived at EDR: 06/11/2021	Telephone: 617-918-1313
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 10/17/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/14/2022	Source: EPA Region 7
Date Data Arrived at EDR: 06/13/2022	Telephone: 913-551-7003
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021	Source: FEMA
Date Data Arrived at EDR: 11/05/2021	Telephone: 202-646-5797
Date Made Active in Reports: 02/01/2022	Last EDR Contact: 09/27/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

UST: Underground Storage Tank Registration Data

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

Date of Government Version: 07/29/2022	Source: Department of Environmental Services
Date Data Arrived at EDR: 07/29/2022	Telephone: 603-271-2975
Date Made Active in Reports: 10/17/2022	Last EDR Contact: 07/29/2022
Number of Days to Update: 80	Next Scheduled EDR Contact: 11/14/2022
	Data Release Frequency: Quarterly

AST: Registered Aboveground Petroleum Storage Tank Database

Registered Aboveground Storage Tanks.

Date of Government Version: 05/02/2022	Source: Department of Environmental Services
Date Data Arrived at EDR: 05/04/2022	Telephone: 603-271-6058
Date Made Active in Reports: 07/26/2022	Last EDR Contact: 07/29/2022
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/14/2022
	Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 06/02/2022	Source: EPA Region 4
Date Data Arrived at EDR: 06/13/2022	Telephone: 404-562-9424
Date Made Active in Reports: 08/31/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/08/2022	Source: EPA Region 9
Date Data Arrived at EDR: 06/13/2022	Telephone: 415-972-3368
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2022	Source: EPA Region 7
Date Data Arrived at EDR: 06/13/2022	Telephone: 913-551-7003
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022	Source: EPA Region 10
Date Data Arrived at EDR: 06/13/2022	Telephone: 206-553-2857
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/07/2022	Source: EPA, Region 1
Date Data Arrived at EDR: 06/13/2022	Telephone: 617-918-1313
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/11/2022	Source: EPA Region 5
Date Data Arrived at EDR: 06/13/2022	Telephone: 312-886-6136
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/28/2022	Source: EPA Region 6
Date Data Arrived at EDR: 06/13/2022	Telephone: 214-665-7591
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022	Source: EPA Region 8
Date Data Arrived at EDR: 06/13/2022	Telephone: 303-312-6137
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal institutional control / engineering control registries

Inst Control: Activity and Use Restrictions

An inventory of sites where Activity and Use Restrictions have been utilized.

Date of Government Version: 06/13/2022	Source: Department of Environmental Services
Date Data Arrived at EDR: 06/14/2022	Telephone: 603-271-2659
Date Made Active in Reports: 08/31/2022	Last EDR Contact: 09/12/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 12/26/2022
	Data Release Frequency: Semi-Annually

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 09/13/2022
Number of Days to Update: 142	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites

The program provides comprehensive liability protections to eligible persons who voluntarily assume responsibility for the cleanup of contaminated properties. The sites on the list are ones where persons have applied to participate in the program and in most cases have been deemed eligible.

Date of Government Version: 01/04/2022	Source: Department of Environmental Services
Date Data Arrived at EDR: 01/11/2022	Telephone: 603-271-2183
Date Made Active in Reports: 04/04/2022	Last EDR Contact: 10/11/2022
Number of Days to Update: 83	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 07/08/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Sites

Sites that have benefited from one or more brownfields initiative.

Date of Government Version: 08/01/2022	Source: Department of Environmental Services
Date Data Arrived at EDR: 08/02/2022	Telephone: 603-271-6422
Date Made Active in Reports: 10/14/2022	Last EDR Contact: 08/02/2022
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/14/2022
	Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/09/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Centers

A listing of recycling center locations in the state of New Hampshire.

Date of Government Version: 07/11/2022
Date Data Arrived at EDR: 07/11/2022
Date Made Active in Reports: 09/23/2022
Number of Days to Update: 74

Source: Department of Environmental Services
Telephone: 603-271-0675
Last EDR Contact: 10/10/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

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

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

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

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

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

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

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

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

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

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/30/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/18/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

ALLSITES: Site Remediation & Groundwater Hazard Inventory Listing of All Sites

Provides information on sites in New Hampshire, with activities that either have resulted in groundwater contamination or pose a potential hazard to groundwater supplies. The regulated activities and groundwater hazards include: confirmed releases of oil or hazardous materials to the soil and/or groundwater as a result of discharges, spills, and removal of underground storage tanks; underground injection wells such as floor drains, leaching galleries, and septic systems anything other than domestic wastewater; large discharges of wastewater such as domestic wastewater septic systems which are designed to discharge more than 20,000 gpd, land application of wastewater treatment facility effluent (spray irrigation, rapid infiltration basins, etc.) and unlined septage and wastewater lagoons; unpermitted hazardous waste storage facilities; landfills and other waste repositories in which groundwater quality is at risk.

Date of Government Version: 07/29/2022
Date Data Arrived at EDR: 07/29/2022
Date Made Active in Reports: 10/14/2022
Number of Days to Update: 77

Source: Department of Environmental Services
Telephone: 603-271-3503
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab site locations included in the Site Remediation and Groundwater Hazard Inventory.

Date of Government Version: 07/29/2022
Date Data Arrived at EDR: 07/29/2022
Date Made Active in Reports: 10/14/2022
Number of Days to Update: 77

Source: Department of Environmental Services
Telephone: 603-271-0650
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Every 4 Years

US CDL: Clandestine Drug Labs

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

Date of Government Version: 04/30/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/18/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Quarterly

AQUEOUS FOAM: Aqueous Film Forming Foam Release Investigations Listing

A listing of sites included in the New Hampshire Department of Environmental Services (DES) OneStop database where the project type is Class B Foam / AFF - Fire Fighting Use Area.

Date of Government Version: 07/28/2022
Date Data Arrived at EDR: 07/29/2022
Date Made Active in Reports: 10/14/2022
Number of Days to Update: 77

Source: Department of Environmental Services
Telephone: 603-271-3744
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

a listing (current as of today) of the Waste Management Division Remediation Program's sites where PFAS has been detected to date.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/29/2021
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/09/2022
Number of Days to Update: 83

Source: Department of Environmental Services
Telephone: 603-271-3744
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

Local Land Records

LIENS: Environmental Liens Information Listing

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/13/2022
Number of Days to Update: 85

Source: Department of Environmental Services
Telephone: 603-271-8808
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: No Update Planned

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/19/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 11

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

NH SPILLS: Listing of All Sites

Spills reported to the Emergency Response section that are included in the All Sites database.

Date of Government Version: 07/29/2022
Date Data Arrived at EDR: 07/29/2022
Date Made Active in Reports: 10/14/2022
Number of Days to Update: 77

Source: Department of Environmental Services
Telephone: 603-271-2975
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

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

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/28/2013
Number of Days to Update: 56

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Other Ascertainable Records

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

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

Date of Government Version: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (888) 372-7341
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 09/19/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 08/11/2022	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/11/2022	Telephone: 202-528-4285
Date Made Active in Reports: 09/30/2022	Last EDR Contact: 08/11/2022
Number of Days to Update: 50	Next Scheduled EDR Contact: 11/28/2022
	Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 06/07/2021	Source: USGS
Date Data Arrived at EDR: 07/13/2021	Telephone: 888-275-8747
Date Made Active in Reports: 03/09/2022	Last EDR Contact: 10/13/2022
Number of Days to Update: 239	Next Scheduled EDR Contact: 01/23/2023
	Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 10/03/2022
Number of Days to Update: 574	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 08/03/2022
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/21/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: 202-566-1917
Date Made Active in Reports: 08/31/2022	Last EDR Contact: 09/20/2022
Number of Days to Update: 71	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 07/29/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/14/2022
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 08/04/2022
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/14/2022
	Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/17/2020	Telephone: 202-260-5521
Date Made Active in Reports: 09/10/2020	Last EDR Contact: 09/12/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 12/26/2022
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2018	Source: EPA
Date Data Arrived at EDR: 08/14/2020	Telephone: 202-566-0250
Date Made Active in Reports: 11/04/2020	Last EDR Contact: 08/11/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 11/28/2022
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 07/18/2022	Source: EPA
Date Data Arrived at EDR: 07/18/2022	Telephone: 202-564-4203
Date Made Active in Reports: 07/29/2022	Last EDR Contact: 10/18/2022
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 07/26/2022	Source: EPA
Date Data Arrived at EDR: 08/02/2022	Telephone: 703-416-0223
Date Made Active in Reports: 08/22/2022	Last EDR Contact: 10/05/2022
Number of Days to Update: 20	Next Scheduled EDR Contact: 12/12/2022
	Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 04/27/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/04/2022	Telephone: 202-564-8600
Date Made Active in Reports: 05/10/2022	Last EDR Contact: 10/11/2022
Number of Days to Update: 6	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 07/26/2022	Source: EPA
Date Data Arrived at EDR: 08/02/2022	Telephone: 202-564-6023
Date Made Active in Reports: 08/31/2022	Last EDR Contact: 10/05/2022
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

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

Date of Government Version: 01/20/2022	Source: EPA
Date Data Arrived at EDR: 01/20/2022	Telephone: 202-566-0500
Date Made Active in Reports: 03/25/2022	Last EDR Contact: 10/06/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 09/27/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

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

Date of Government Version: 06/10/2022	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 06/14/2022	Telephone: 301-415-7169
Date Made Active in Reports: 08/22/2022	Last EDR Contact: 10/11/2022
Number of Days to Update: 69	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2020	Source: Department of Energy
Date Data Arrived at EDR: 11/30/2021	Telephone: 202-586-8719
Date Made Active in Reports: 02/22/2022	Last EDR Contact: 08/25/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 12/12/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 08/25/2022
Number of Days to Update: 251	Next Scheduled EDR Contact: 12/12/2022
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 08/04/2022
Number of Days to Update: 96	Next Scheduled EDR Contact: 11/14/2022
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 09/21/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/10/2023
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

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

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

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 06/30/2022
Date Data Arrived at EDR: 07/21/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 71

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

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

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

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

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/24/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/26/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/02/2022	Telephone: 703-603-8787
Date Made Active in Reports: 08/22/2022	Last EDR Contact: 10/05/2022
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/09/2023
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

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

Date of Government Version: 10/12/2016	Source: EPA
Date Data Arrived at EDR: 10/26/2016	Telephone: 202-564-2496
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 100	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016	Source: EPA
Date Data Arrived at EDR: 10/26/2016	Telephone: 202-564-2496
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 100	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/03/2022	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 08/17/2022	Telephone: 303-231-5959
Date Made Active in Reports: 08/31/2022	Last EDR Contact: 08/17/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 12/05/2022
	Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 08/01/2022	Source: DOL, Mine Safety & Health Admi
Date Data Arrived at EDR: 08/02/2022	Telephone: 202-693-9424
Date Made Active in Reports: 09/30/2022	Last EDR Contact: 10/04/2022
Number of Days to Update: 59	Next Scheduled EDR Contact: 12/12/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

Date of Government Version: 05/06/2020	Source: USGS
Date Data Arrived at EDR: 05/27/2020	Telephone: 703-648-7709
Date Made Active in Reports: 08/13/2020	Last EDR Contact: 08/17/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 12/05/2022
	Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 08/17/2022
Number of Days to Update: 97	Next Scheduled EDR Contact: 12/05/2022
	Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 06/14/2022	Source: Department of Interior
Date Data Arrived at EDR: 06/15/2022	Telephone: 202-208-2609
Date Made Active in Reports: 08/22/2022	Last EDR Contact: 09/13/2022
Number of Days to Update: 68	Next Scheduled EDR Contact: 12/19/2022
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 05/13/2022	Source: EPA
Date Data Arrived at EDR: 05/18/2022	Telephone: (617) 918-1111
Date Made Active in Reports: 05/31/2022	Last EDR Contact: 08/25/2022
Number of Days to Update: 13	Next Scheduled EDR Contact: 12/12/2022
	Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 06/25/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2022	Telephone: 202-564-2280
Date Made Active in Reports: 09/30/2022	Last EDR Contact: 09/30/2022
Number of Days to Update: 91	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/22/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 08/11/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 50

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

AIRS: Permitted Airs Facility Listing

A listing of permitted Airs facility locations in New Hampshire.

Date of Government Version: 05/28/2022
Date Data Arrived at EDR: 06/01/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 83

Source: Department of Environmental Services
Telephone: 603-271-6283
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing

Asbestos notification sites

Date of Government Version: 08/10/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 12

Source: Department of Environmental Services
Telephone: 603-271-1373
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

DRYCLEANERS: Listing of Drycleaners

A listing of drycleaner locations in New Hampshire.

Date of Government Version: 06/13/2022
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 77

Source: Department of Environmental Services
Telephone: 603-271-2937
Last EDR Contact: 09/12/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 04/12/2022
Date Data Arrived at EDR: 04/13/2022
Date Made Active in Reports: 07/11/2022
Number of Days to Update: 89

Source: Department of Environmental Services
Telephone: 602-271-0675
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Financial Assurance 2: Financial Assurance Information listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 04/11/2022	Source: Department of Environmental Services
Date Data Arrived at EDR: 04/13/2022	Telephone: 603-271-5328
Date Made Active in Reports: 07/11/2022	Last EDR Contact: 10/05/2022
Number of Days to Update: 89	Next Scheduled EDR Contact: 01/23/2023
	Data Release Frequency: Varies

LEAD: Lead Inspection Database

The Childhood Lead Poisoning Prevention Program data of lead inspection for the state.

Date of Government Version: 10/16/2007	Source: Department of Health & Human Services, Childhood Lead Poisoning Prevention Progr
Date Data Arrived at EDR: 10/18/2007	Telephone: 603-271-3854
Date Made Active in Reports: 11/13/2007	Last EDR Contact: 09/22/2022
Number of Days to Update: 26	Next Scheduled EDR Contact: 11/14/2022
	Data Release Frequency: Varies

NPDES: NPDES Permit Listing

General information regarding NPDES (National Pollutant Discharge Elimination System) permits.

Date of Government Version: 05/20/2022	Source: Department of Environmental Services
Date Data Arrived at EDR: 05/20/2022	Telephone: 603-271-0671
Date Made Active in Reports: 06/07/2022	Last EDR Contact: 08/16/2022
Number of Days to Update: 18	Next Scheduled EDR Contact: 12/05/2022
	Data Release Frequency: Semi-Annually

PCS: Permit Compliance System

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

Date of Government Version: 07/14/2011	Source: EPA, Office of Water
Date Data Arrived at EDR: 08/05/2011	Telephone: 202-564-2496
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 09/28/2022
Number of Days to Update: 55	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014	Source: EPA
Date Data Arrived at EDR: 01/06/2015	Telephone: 202-564-2496
Date Made Active in Reports: 05/06/2015	Last EDR Contact: 09/28/2022
Number of Days to Update: 120	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018	Source: USGS
Date Data Arrived at EDR: 10/21/2019	Telephone: 703-648-6533
Date Made Active in Reports: 10/24/2019	Last EDR Contact: 08/17/2022
Number of Days to Update: 3	Next Scheduled EDR Contact: 12/05/2022
	Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 09/28/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

MANIFEST: Hazardous Waste Manifest Information Listing

Hazardous waste manifest information for the state of New Hampshire.

Date of Government Version: 06/30/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 02/03/2020
Number of Days to Update: 195

Source: Department of Environmental Services
Telephone: 603-271-3203
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Services in New Hampshire.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/08/2014
Number of Days to Update: 191

Source: Department of Environmental Services
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Services in New Hampshire.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/17/2014
Number of Days to Update: 200

Source: Department of Environmental Services
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Services in New Hampshire.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Environmental Services
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/08/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 80

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/03/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 08/29/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List

Source: Department of Health & Human Services

Telephone: 603-271-4624

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

AMHERST FSI
177 AMHERST STREET
AMHERST, NH 03031

TARGET PROPERTY COORDINATES

Latitude (North): 42.865203 - 42° 51' 54.73"
Longitude (West): 71.615353 - 71° 36' 55.27"
Universal Transverse Mercator: Zone 19
UTM X (Meters): 286349.8
UTM Y (Meters): 4748949.5
Elevation: 269 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 11743669 SOUTH MERRIMACK, NH
Version Date: 2018

Northeast Map: 11743667 PINARDVILLE, NH
Version Date: 2018

Southwest Map: 11743659 MILFORD, NH
Version Date: 2018

Northwest Map: 11743661 NEW BOSTON, NH
Version Date: 2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK[®] - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

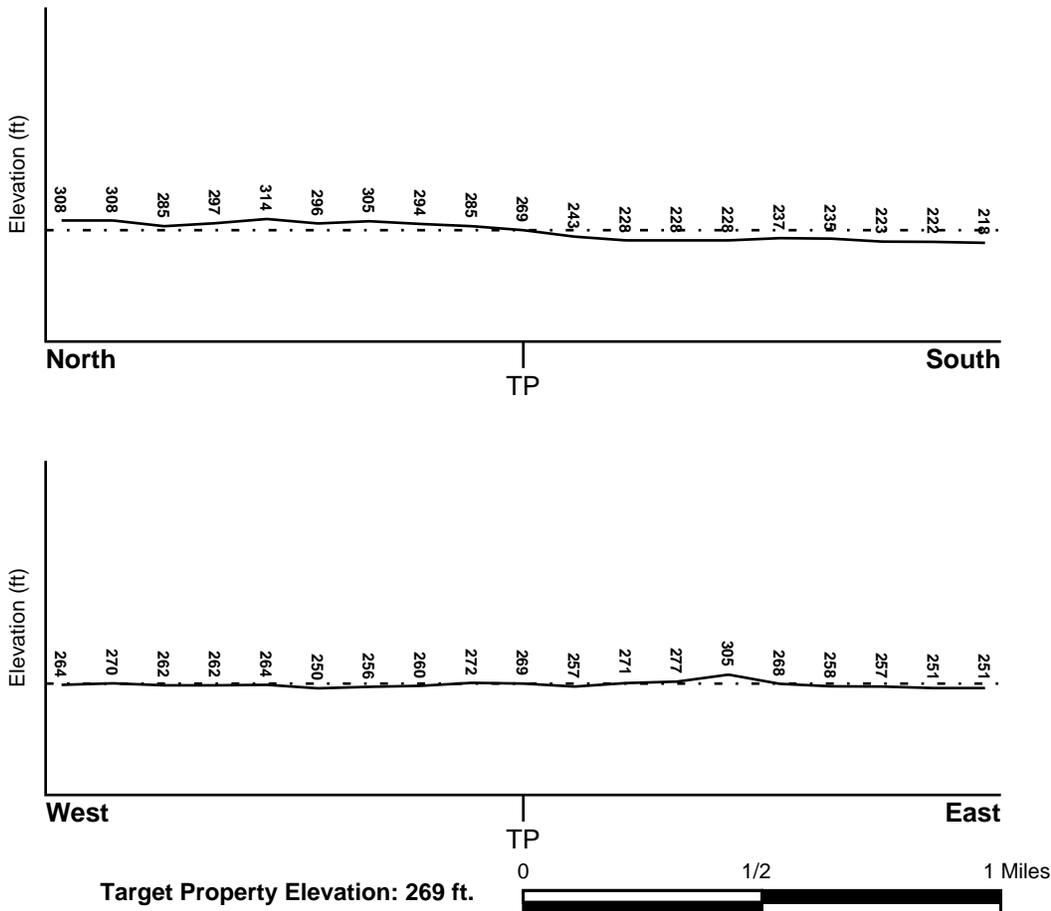
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
33011C0476D	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
33011C0344D	FEMA FIRM Flood data
33011C0363D	FEMA FIRM Flood data
33011C0457D	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
SOUTH MERRIMACK	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

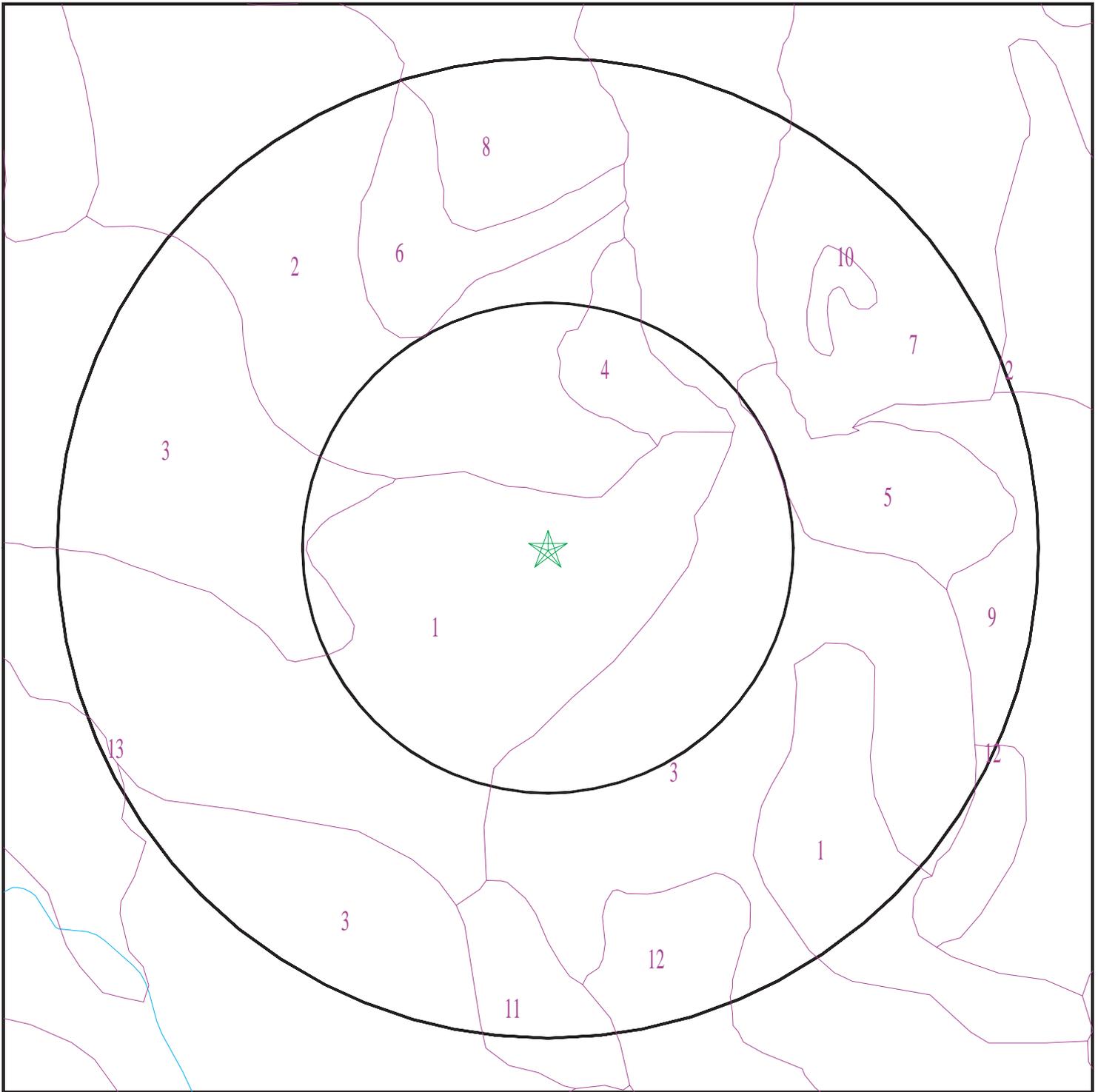
Era: Paleozoic
System: Devonian
Series: Middle Paleozoic granitic rocks
Code: Pzg2 (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7154035.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Amherst FSI
ADDRESS: 177 Amherst Street
Amherst NH 03031
LAT/LONG: 42.865203 / 71.615353

CLIENT: Sanborn, Head and Associates
CONTACT: Gina Ann Panik
INQUIRY #: 7154035.2s
DATE: October 20, 2022 9:54 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Hinckley

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.1111	Max: 6 Min: 3.6
2	3 inches	20 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.1111	Max: 6 Min: 3.6
3	20 inches	59 inches	very gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.1111	Max: 6 Min: 3.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Canton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 6 Min: 3.6
2	3 inches	18 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 6 Min: 3.6
3	18 inches	59 inches	gravelly loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 6 Min: 3.6

Soil Map ID: 3

Soil Component Name: Hinckley

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.1111	Max: 6 Min: 3.6
2	3 inches	20 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.1111	Max: 6 Min: 3.6
3	20 inches	59 inches	very gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.1111	Max: 6 Min: 3.6

Soil Map ID: 4

Soil Component Name: Canton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 6 Min: 3.6
2	3 inches	18 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 6 Min: 3.6
3	18 inches	59 inches	gravelly loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 6 Min: 3.6

Soil Map ID: 5

Soil Component Name: Hinckley

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.1111	Max: 6 Min: 3.6
2	3 inches	20 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.1111	Max: 6 Min: 3.6
3	20 inches	59 inches	very gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141.1111	Max: 6 Min: 3.6

Soil Map ID: 6

Soil Component Name: Leicester

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 4.2333	Max: 5.5 Min: 4.5
2	9 inches	22 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 4.2333	Max: 5.5 Min: 4.5
3	22 inches	59 inches	gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 4.2333	Max: 5.5 Min: 4.5

Soil Map ID: 7

Soil Component Name: Greenwood

Soil Surface Texture: mucky peat

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	61 inches	mucky peat	A-8	Highly organic soils, Peat.	Max: 141.1111 Min: 42.3333	Max: Min:

Soil Map ID: 8

Soil Component Name: Chatfield

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 38 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141.1111 Min: 0.0706	Max: Min:
2	3 inches	24 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141.1111 Min: 0.0706	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	24 inches	27 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141.1111 Min: 0.0706	Max: Min:

Soil Map ID: 9

Soil Component Name: Canton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 6 Min: 3.6
2	3 inches	18 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 6 Min: 3.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	18 inches	59 inches	gravelly loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 6 Min: 3.6

Soil Map ID: 10

Soil Component Name: Water < 40

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 11

Soil Component Name: Pipestone

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Poorly drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 7.3 Min: 4.5
2	9 inches	22 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 7.3 Min: 4.5
3	22 inches	61 inches	coarse sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 7.3 Min: 4.5

Soil Map ID: 12

Soil Component Name: Borohemists

Soil Surface Texture: mucky peat

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	mucky peat	A-8	Not reported	Max: 141.1111 Min: 0.0706	Max: Min:
2	5 inches	16 inches	mucky peat	A-8	Not reported	Max: 141.1111 Min: 0.0706	Max: Min:
3	16 inches	59 inches	variable	A-8	Not reported	Max: 141.1111 Min: 0.0706	Max: Min:

Soil Map ID: 13

Soil Component Name: Deerfield

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 6.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	9 inches	20 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 6.5 Min: 4.5
3	20 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.1111 Min: 42.3333	Max: 6.5 Min: 4.5

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	USGS40000777718	0 - 1/8 Mile NE
4	USGS40000777746	0 - 1/8 Mile NE
B6	USGS40000777815	1/8 - 1/4 Mile NNE
C8	USGS40000777757	1/8 - 1/4 Mile ENE
E13	USGS40000777873	1/4 - 1/2 Mile North
F14	USGS40000777681	1/4 - 1/2 Mile East
D16	USGS40000777502	1/4 - 1/2 Mile SSW
G18	USGS40000777716	1/4 - 1/2 Mile East
I26	USGS40000777801	1/4 - 1/2 Mile WNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
J29	USGS40000777643	1/4 - 1/2 Mile East
K30	USGS40000777374	1/2 - 1 Mile SSE
L33	USGS40000777489	1/2 - 1 Mile SE
M35	USGS40000777332	1/2 - 1 Mile South
O38	USGS40000777858	1/2 - 1 Mile SSW
O39	USGS40000777816	1/2 - 1 Mile SSW
O40	USGS40000777859	1/2 - 1 Mile SSW
O41	USGS40000777896	1/2 - 1 Mile SSW
O42	USGS40000777895	1/2 - 1 Mile SSW
O43	USGS40000777894	1/2 - 1 Mile SSW
O44	USGS40000777333	1/2 - 1 Mile SSW
O45	USGS40000777334	1/2 - 1 Mile SSW
O46	USGS40000777802	1/2 - 1 Mile SSW
K50	USGS40000777331	1/2 - 1 Mile SSE
M52	USGS40000777307	1/2 - 1 Mile South
P55	USGS40000777544	1/2 - 1 Mile ESE
Q57	USGS40000777872	1/2 - 1 Mile ENE
S62	USGS40000777421	1/2 - 1 Mile SE
T64	USGS40000777299	1/2 - 1 Mile SSE
65	USGS40000777633	1/2 - 1 Mile West
M66	USGS40000777284	1/2 - 1 Mile South
R68	USGS40000777373	1/2 - 1 Mile SE
W74	USGS40000777242	1/2 - 1 Mile South
W75	USGS40000777243	1/2 - 1 Mile South
X77	USGS40000777241	1/2 - 1 Mile SSE
W80	USGS40000777228	1/2 - 1 Mile South
U81	USGS40000777227	1/2 - 1 Mile South
W83	USGS40000777229	1/2 - 1 Mile South
Y85	USGS40000778185	1/2 - 1 Mile North
89	USGS40000777644	1/2 - 1 Mile West
W90	USGS40000777209	1/2 - 1 Mile South
U91	USGS40000777208	1/2 - 1 Mile South
Z92	USGS40000777190	1/2 - 1 Mile South
93	USGS40000777244	1/2 - 1 Mile SSW
94	USGS40000777490	1/2 - 1 Mile WSW
Z97	USGS40000777145	1/2 - 1 Mile South
Z98	USGS40000777146	1/2 - 1 Mile South
AA99	USGS40000777170	1/2 - 1 Mile SSE
AB100	USGS40000777948	1/2 - 1 Mile WNW
Z101	USGS40000777121	1/2 - 1 Mile South
104	USGS40000777780	1/2 - 1 Mile West
AC106	USGS40000778209	1/2 - 1 Mile NNE
AD109	USGS40000777330	1/2 - 1 Mile SE
AE112	USGS40000777911	1/2 - 1 Mile WNW
AF114	USGS40000778155	1/2 - 1 Mile NE
AH118	USGS40000778225	1/2 - 1 Mile NE
AG119	USGS40000778064	1/2 - 1 Mile NW
AJ123	USGS40000777285	1/2 - 1 Mile SW
AD126	USGS40000777298	1/2 - 1 Mile SE
AK127	USGS40000777563	1/2 - 1 Mile WSW
AL135	USGS40000778319	1/2 - 1 Mile NNE
AM142	USGS40000776958	1/2 - 1 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
143	USGS40000777965	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
H21	NH0071010	1/4 - 1/2 Mile South

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

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	NHINV0000034830	0 - 1/8 Mile ENE
3	NHINV0000001367	0 - 1/8 Mile NW
5	NHINV0000031095	1/8 - 1/4 Mile South
B7	NHINV0000000131	1/8 - 1/4 Mile NNE
C9	NHINV0000000505	1/8 - 1/4 Mile ENE
B10	NHINV0000043429	1/8 - 1/4 Mile North
D11	NHINV0000034053	1/8 - 1/4 Mile South
E12	NHINV0000045403	1/4 - 1/2 Mile North
F15	NHINV0000000283	1/4 - 1/2 Mile East
D17	NHINV0000000359	1/4 - 1/2 Mile SSW
F19	NHINV0000000093	1/4 - 1/2 Mile East
E20	NHPW00000005530	1/4 - 1/2 Mile North
G22	NHINV0000033850	1/4 - 1/2 Mile East
23	NHINV0000034579	1/4 - 1/2 Mile North
H24	NHINV0000001383	1/4 - 1/2 Mile SSW
I25	NHINV0000000770	1/4 - 1/2 Mile WNW
27	NHINV0000046180	1/4 - 1/2 Mile SE
J28	NHINV0000000501	1/4 - 1/2 Mile East
L31	NHINV0000034843	1/2 - 1 Mile SE
32	NHINV0000063741	1/2 - 1 Mile SSE
K34	NHINV0000030875	1/2 - 1 Mile SSE
36	NHPW00000004917	1/2 - 1 Mile NNE
N37	NHINV0000001297	1/2 - 1 Mile East
K47	NHINV0000000172	1/2 - 1 Mile SSE
M48	NHINV0000000015	1/2 - 1 Mile South
49	NHINV0000030720	1/2 - 1 Mile East
P51	NHINV0000000224	1/2 - 1 Mile ESE
M53	NHINV0000034846	1/2 - 1 Mile South
O54	NHPW00000005155	1/2 - 1 Mile SSW
Q56	NHINV0000000424	1/2 - 1 Mile ENE
R58	NHINV0000044062	1/2 - 1 Mile SE
Q59	NHINV0000063691	1/2 - 1 Mile ENE
N60	NHINV0000060728	1/2 - 1 Mile East
S61	NHINV0000034827	1/2 - 1 Mile SE
T63	NHINV0000000171	1/2 - 1 Mile SSE
M67	NHINV0000000025	1/2 - 1 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
R69	NHINV0000052681	1/2 - 1 Mile SE
U70	NHINV0000035495	1/2 - 1 Mile South
U71	NHINV0000035513	1/2 - 1 Mile South
V72	NHINV0000045497	1/2 - 1 Mile ENE
V73	NHINV0000046281	1/2 - 1 Mile ENE
X76	NHINV0000000189	1/2 - 1 Mile SSE
78	NHINV0000064259	1/2 - 1 Mile NE
79	NHINV0000046195	1/2 - 1 Mile East
Y82	NHINV0000000642	1/2 - 1 Mile North
U84	NHINV0000000842	1/2 - 1 Mile South
Y86	NHPW00000001624	1/2 - 1 Mile North
87	NHINV0000034648	1/2 - 1 Mile SSE
U88	NHINV0000000014	1/2 - 1 Mile South
95	NHINV0000001303	1/2 - 1 Mile ENE
AA96	NHINV0000000190	1/2 - 1 Mile SSE
AB102	NHINV0000000292	1/2 - 1 Mile WNW
AA103	NHINV0000001450	1/2 - 1 Mile South
AC105	NHINV0000034851	1/2 - 1 Mile NNE
107	NHINV0000000063	1/2 - 1 Mile SSE
108	NHINV0000000111	1/2 - 1 Mile East
AD110	NHINV0000000334	1/2 - 1 Mile SE
111	NHINV0000001366	1/2 - 1 Mile SE
AE113	NHINV0000000649	1/2 - 1 Mile WNW
AF115	NHINV0000001206	1/2 - 1 Mile NE
AG116	NHINV0000000779	1/2 - 1 Mile NW
AH117	NHINV0000000129	1/2 - 1 Mile NE
120	NHINV0000043383	1/2 - 1 Mile NW
121	NHINV0000031282	1/2 - 1 Mile WNW
AI122	NHINV0000000199	1/2 - 1 Mile SSW
AJ124	NHINV0000036541	1/2 - 1 Mile SW
125	NHINV0000064497	1/2 - 1 Mile ESE
128	NHINV0000046271	1/2 - 1 Mile ENE
129	NHINV0000033025	1/2 - 1 Mile WNW
AK130	NHINV0000000016	1/2 - 1 Mile WSW
AJ131	NHPW00000000042	1/2 - 1 Mile SW
AD132	NHINV0000000361	1/2 - 1 Mile SE
AJ133	NHPW00000000041	1/2 - 1 Mile SW
134	NHINV0000000001	1/2 - 1 Mile SSE
136	NHPW00000001280	1/2 - 1 Mile WSW
AI137	NHINV0000039596	1/2 - 1 Mile SSW
AL138	NHINV0000000039	1/2 - 1 Mile NNE
139	NHINV0000035972	1/2 - 1 Mile SSE
140	NHINV0000034639	1/2 - 1 Mile SE
AM141	NHINV0000036529	1/2 - 1 Mile SSW
144	NHINV0000034120	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
ENE
0 - 1/8 Mile
Lower

NH WELLS NHINV0000034830

Database:	Well Locations	Driller #:	34831
Well #:	488	WRB ID:	007.0284
Elevation:	270	Well Owner:	TOWN OF AMHERST
Date Completed:	198810 6	Well Use:	Other
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	700	Bedrock Depth:	18
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	0	Discharge (GPM):	60
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

A2
NE
0 - 1/8 Mile
Higher

FED USGS USGS40000777718

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 270	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	19880000
Well Depth:	700	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

3
NW
0 - 1/8 Mile
Higher

NH WELLS NHINV0000001367

Database:	Well Locations	Driller #:	1368
Well #:	5809	WRB ID:	007.0766
Elevation:	285	Well Owner:	GAUTHIER
Date Completed:	19981122	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	640	Bedrock Depth:	10
Casing Length:	20	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	.5
Static Water Level:	60	Date Measured:	19981123
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

4
NE
0 - 1/8 Mile
Higher

FED USGS USGS40000777746

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMB 3		
Type:	Well: Test hole not completed as a well		
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1967	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	10
Well Hole Depth Units:	ft		

5
South
1/8 - 1/4 Mile
Lower

NH WELLS NHINV0000031095

Database:	Well Locations	Driller #:	31096
Well #:	14280	WRB ID:	007.0850
Elevation:	232	Well Owner:	MURPHY
Date Completed:	2000 914	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	520	Bedrock Depth:	16
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	3
Static Water Level:	11	Date Measured:	2000 915
Water Quality Checked:	Y		

B6
NNE
1/8 - 1/4 Mile
Higher

FED USGS USGS40000777815

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 423	Type:	Well
Description:	Field location by NHDES staff by method 6		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock	Aquifer Type:	Not Reported
Construction Date:	19961007	Well Depth:	120
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B7
NNE
1/8 - 1/4 Mile
Higher

NH WELLS NHINV000000131

Database:	Well Locations	Driller #:	132
Well #:	2725	WRB ID:	007.0576
Elevation:	279	Well Owner:	ST LUKES ANGLICAN CHURCH
Date Completed:	199610 7	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	120	Bedrock Depth:	10
Casing Length:	21	Yield Test Method:	Compressed Air
Duration:	0	Discharge (GPM):	60
Static Water Level:	0	Date Measured:	199611 5
Water Quality Checked:	Not Reported		

C8
ENE
1/8 - 1/4 Mile
Lower

FED USGS USGS40000777757

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 191	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	19870000
Well Depth:	580	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

C9
ENE
1/8 - 1/4 Mile
Lower

NH WELLS NHINV0000000505

Database:	Well Locations	Driller #:	506
Well #:	356	WRB ID:	007.0168
Elevation:	270	Well Owner:	GOODNOW
Date Completed:	1987 5 8	Well Use:	Domestic
Well Need:	Replace Existing	Well Type:	Drilled in Bedrock
Well Depth:	580	Bedrock Depth:	16
Casing Length:	41	Yield Test Method:	Compressed Air
Duration:	0	Discharge (GPM):	4
Static Water Level:	1.5	Date Measured:	1987 5 8
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B10
North
1/8 - 1/4 Mile
Higher

NH WELLS NHINV0000043429

Database:	Well Locations	Driller #:	43430
Well #:	06006	WRB ID:	007.1143
Elevation:	0	Well Owner:	WEHRLI
Date Completed:	2006 113	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	260	Bedrock Depth:	1
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	12
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

D11
South
1/8 - 1/4 Mile
Lower

NH WELLS NHINV0000034053

Database:	Well Locations	Driller #:	34054
Well #:	59-350-02	WRB ID:	007.0966
Elevation:	229	Well Owner:	SAVAGE
Date Completed:	2002 7 2	Well Use:	Domestic
Well Need:	Replace Existing	Well Type:	Drilled in Bedrock
Well Depth:	265	Bedrock Depth:	33
Casing Length:	55	Yield Test Method:	Compressed Air
Duration:	2	Discharge (GPM):	10
Static Water Level:	12	Date Measured:	2002 7 3
Water Quality Checked:	Not Reported		

E12
North
1/4 - 1/2 Mile
Higher

NH WELLS NHINV0000045403

Database:	Well Locations	Driller #:	45404
Well #:	7190	WRB ID:	007.1039
Elevation:	0	Well Owner:	HIGHLAND CONSTRUCTION
Date Completed:	2003 217	Well Use:	Domestic
Well Need:	Replace Existing	Well Type:	Drilled in Bedrock
Well Depth:	205	Bedrock Depth:	21
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	6.5
Static Water Level:	20	Date Measured:	2003 218
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

E13
North
1/4 - 1/2 Mile
Higher

FED USGS USGS40000777873

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 484	Type:	Well
Description:	Field location by Water well contractor		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock	Aquifer Type:	Not Reported
Construction Date:	20030217	Well Depth:	205
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

F14
East
1/4 - 1/2 Mile
Higher

FED USGS USGS40000777681

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 94	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	19840000
Well Depth:	305	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

F15
East
1/4 - 1/2 Mile
Higher

NH WELLS NHINV0000000283

Database:	Well Locations	Driller #:	284
Well #:	154	WRB ID:	007.0017
Elevation:	270	Well Owner:	CASBONE HOMES
Date Completed:	1984 914	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	305	Bedrock Depth:	9
Casing Length:	20	Yield Test Method:	Compressed Air
Duration:	2	Discharge (GPM):	3.5
Static Water Level:	20	Date Measured:	1984 914
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D16
SSW
1/4 - 1/2 Mile
Lower

FED USGS USGS40000777502

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 150	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	19850000
Well Depth:	260	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

D17
SSW
1/4 - 1/2 Mile
Lower

NH WELLS NHINV0000000359

Database:	Well Locations	Driller #:	360
Well #:	166-18003	WRB ID:	007.0098
Elevation:	230	Well Owner:	W FLETCHER WATTON CONST
Date Completed:	19851024	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	260	Bedrock Depth:	50
Casing Length:	80	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	4
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

G18
East
1/4 - 1/2 Mile
Higher

FED USGS USGS40000777716

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 394	Type:	Well
Description:	Field location by NHDES staff by method 6		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock	Aquifer Type:	Not Reported
Construction Date:	19950926	Well Depth:	465
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

F19
East
 1/4 - 1/2 Mile
Higher

NH WELLS NHINV0000000093

Database:	Well Locations	Driller #:	94
Well #:	5003	WRB ID:	007.0507
Elevation:	279	Well Owner:	PERREAULT
Date Completed:	1995 926	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	465	Bedrock Depth:	8
Casing Length:	20	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	2
Static Water Level:	23	Date Measured:	199510 2
Water Quality Checked:	Not Reported		

E20
North
 1/4 - 1/2 Mile
Higher

NH WELLS NHPW0000000530

Database:	Public Water Supply Sources		
NH DES ID:	69854	PWS ID:	0075060-001
Water System Facility ID:	0075060	Name:	AMHERST MEDICAL CENTER
System Active/Inactive:	A		
System Type:	Non-transient, non community system (school/hospital/business/etc.)		
Population Served:	25	Source Active/Inactive:	A
Water Source:	Groundwater	Source Record and Water Type:	Groundwater, non-purchased
Well Type:	Bedrock Well	Well Depth:	405
Well Protection Delineation:	Well connected to system without active WHPP.		
Max Extraction Rate:	2860	Production Volume:	0
Yield:	12		

H21
South
 1/4 - 1/2 Mile
Lower

FRDS PWS NH0071010

Epa region:	01	State:	NH
Pwsid:	NH0071010	Pwsname:	AMHERST VILLAGE DISTRICT
Cityserved:	Not Reported	Stateserved:	NH
Zipserved:	Not Reported	Fipscounty:	33011
Status:	Closed	Retpopsrvd:	1080
Pwssvconn:	501	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Private
Contact:	CHRISTOPHER COUNTIE	Contactorgname:	PENNICHUCK WATER WORKS INC
Contactphone:	Not Reported	Contactaddress1:	25 MANCHESTER ST
Contactaddress2:	PO BOX 1947	Contactcity:	MERRIMACK
Contactstate:	NH	Contactzip:	03054
Pwsactivitycode:	I		
Pwsid:	NH0071010	Facid:	501
Facname:	TREATMENT FACILITY	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS ID:	NH0071010	PWS name:	AMHERST VILLAGE DISTRICT
Address:	P.O. BOX 968	Care of:	Not Reported
City:	AMHERST	State:	NH
Zip:	03031	Owner:	AMHERST VILLAGE DISTRICT
Source code:	Purchases surface water	Population:	1080
PWS ID:	NH0071010	PWS type:	Mailing
PWS name:	AMHERST VILLAGE DISTRICT	PWS address:	Not Reported
PWS city:	AMHERST	PWS state:	NH
PWS zip:	03031	County:	HILLSBOROUGH
Source:	Purchases surface water	Treatment Objective:	CORROSION CONTROL
Process:	SEQUESTRATION	Population:	1080
County:	HILLSBOROUGH	Source:	Purchases surface water
Treatment Objective:	DISINFECTION	Process:	HYPOCHLORINATION, POST
Population:	1080		
PWS ID:	NH0071010	Activity status:	Active
Date system activated:	7706	Date system deactivated:	Not Reported
Retail population:	00001000	System name:	AMHERST VILLAGE DISTRICT
System address:	Not Reported	System address:	P.O. BOX 968
System city:	AMHERST	System state:	NH
System zip:	03031		
County FIPS:	011	City served:	AMHERST
Population served:	501 - 1,000 Persons	Treatment:	Treated
Latitude:	425136	Longitude:	0713700
State:	NH	Latitude degrees:	42
Latitude minutes:	51	Latitude seconds:	36.0000
Longitude degrees:	71	Longitude minutes:	37
Longitude seconds:	0.0000		
Violation id:	0700007	Orig code:	S
State:	NH	Violation Year:	2006
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2006
Cmp edt:	10/31/2006		
Violation id:	0700008	Orig code:	S
State:	NH	Violation Year:	2007
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2007
Cmp edt:	Not Reported		

**G22
East
1/4 - 1/2 Mile
Higher**

NH WELLS NHINV0000033850

Database:	Well Locations	Driller #:	33851
Well #:	15055	WRB ID:	007.0962
Elevation:	277	Well Owner:	GAMACHE

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Date Completed:	200110 9	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	800	Bedrock Depth:	22
Casing Length:	40	Yield Test Method:	Pumped
Duration:	7.75	Discharge (GPM):	2.5
Static Water Level:	36	Date Measured:	20011011
Water Quality Checked:	Y		

**23
North
1/4 - 1/2 Mile
Higher**

NH WELLS NHINV0000034579

Database:	Well Locations	Driller #:	34580
Well #:	15141	WRB ID:	007.0956
Elevation:	311	Well Owner:	FAY
Date Completed:	2001 814	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	680	Bedrock Depth:	6
Casing Length:	20	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	6
Static Water Level:	120	Date Measured:	2001 815
Water Quality Checked:	Y		

**H24
SSW
1/4 - 1/2 Mile
Lower**

NH WELLS NHINV0000001383

Database:	Well Locations	Driller #:	1384
Well #:	4135	WRB ID:	007.0791
Elevation:	237	Well Owner:	JONES
Date Completed:	1999 824	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	500	Bedrock Depth:	68
Casing Length:	82	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	2
Static Water Level:	8	Date Measured:	1999 831
Water Quality Checked:	Not Reported		

**I25
WNW
1/4 - 1/2 Mile
Higher**

NH WELLS NHINV0000000770

Database:	Well Locations	Driller #:	771
Well #:	4738	WRB ID:	007.0356
Elevation:	265	Well Owner:	STEELE
Date Completed:	1992 4 9	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	400	Bedrock Depth:	10
Casing Length:	23	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	5
Static Water Level:	15	Date Measured:	1992 410
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

I26
WNW
1/4 - 1/2 Mile
Higher

FED USGS USGS40000777801

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 326	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	19920000
Well Depth:	400	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

27
SE
1/4 - 1/2 Mile
Lower

NH WELLS NHINV0000046180

Database:	Well Locations	Driller #:	46181
Well #:	16368	WRB ID:	007.1005
Elevation:	262	Well Owner:	STANLEY CONSTRUCTION CORP
Date Completed:	2003 331	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	500	Bedrock Depth:	18
Casing Length:	40	Yield Test Method:	Pumped
Duration:	6	Discharge (GPM):	10
Static Water Level:	8	Date Measured:	2003 4 1
Water Quality Checked:	Y		

J28
East
1/4 - 1/2 Mile
Higher

NH WELLS NHINV0000000501

Database:	Well Locations	Driller #:	502
Well #:	143-86	WRB ID:	007.0158
Elevation:	275	Well Owner:	BURNS
Date Completed:	1986 6 4	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	805	Bedrock Depth:	6
Casing Length:	20	Yield Test Method:	Compressed Air
Duration:	0	Discharge (GPM):	.5
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

J29
East
1/4 - 1/2 Mile
Higher

FED USGS USGS40000777643

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 186	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	19860000
Well Depth:	805	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

K30
SSE
1/2 - 1 Mile
Lower

FED USGS USGS40000777374

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMB 4		
Type:	Well: Test hole not completed as a well		
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	197012	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	29
Well Hole Depth Units:	ft		

L31
SE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000034843

Database:	Well Locations	Driller #:	34844
Well #:	2048	WRB ID:	007.0428
Elevation:	272	Well Owner:	SULLIVAN
Date Completed:	1994 725	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	360	Bedrock Depth:	7
Casing Length:	21	Yield Test Method:	Compressed Air
Duration:	4	Discharge (GPM):	3
Static Water Level:	8	Date Measured:	1994 8 9
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

32
SSE
1/2 - 1 Mile
Lower

NH WELLS NHINV0000063741

Database:	Well Locations	Driller #:	63742
Well #:	18577	WRB ID:	007.1133
Elevation:	0	Well Owner:	STANLEY CONSTRUCTION
Date Completed:	20051026	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	500	Bedrock Depth:	3
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	6
Static Water Level:	15	Date Measured:	20051031
Water Quality Checked:	Y		

L33
SE
1/2 - 1 Mile
Higher

FED USGS USGS40000777489

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 366	Type:	Well
Description:	Field location by NHDES staff by method 6		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock	Aquifer Type:	Not Reported
Construction Date:	19940725	Well Depth:	360
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

K34
SSE
1/2 - 1 Mile
Lower

NH WELLS NHINV0000030875

Database:	Well Locations	Driller #:	30876
Well #:	Not Reported	WRB ID:	007.0796
Elevation:	254	Well Owner:	PAPPAS
Date Completed:	1999 9 5	Well Use:	Other
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	500	Bedrock Depth:	18
Casing Length:	30	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	.5
Static Water Level:	50	Date Measured:	1999 9 8
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

M35
South
1/2 - 1 Mile
Lower

FED USGS USGS40000777332

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 372	Type:	Well
Description:	Field location by NHDES staff by method 6		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Units:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock	Aquifer Type:	Not Reported
Construction Date:	19940919	Well Depth:	500
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

36
NNE
1/2 - 1 Mile
Lower

NH WELLS NHPW00000004917

Database:	Public Water Supply Sources		
NH DES ID:	52264	PWS ID:	0078090-001
Water System Facility ID:	0078090	Name:	MEETING PLACE
System Active/Inactive:	A		
System Type:	Non-transient, non community system (school/hospital/business/etc.)		
Population Served:	76	Source Active/Inactive:	A
Water Source:	Groundwater	Source Record and Water Type:	Groundwater, non-purchased
Well Type:	Gravel Packed Well	Well Depth:	35
Well Protection Delineation:	Well connected to system within waiver program, volume derived from meter or estimation.		
Max Extraction Rate:	1500	Production Volume:	0
Yield:	100		

N37
East
1/2 - 1 Mile
Lower

NH WELLS NHINV0000001297

Database:	Well Locations	Driller #:	1298
Well #:	12556	WRB ID:	007.0739
Elevation:	270	Well Owner:	R LABONTE CONSTRUCTION
Date Completed:	1998 820	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	1200	Bedrock Depth:	7
Casing Length:	20	Yield Test Method:	Pumped
Duration:	10	Discharge (GPM):	1.25
Static Water Level:	40	Date Measured:	1998 822
Water Quality Checked:	Y		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

O38
SSW
1/2 - 1 Mile
Lower

FED USGS USGS4000077858

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 6	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1950	Well Depth:	15
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

O39
SSW
1/2 - 1 Mile
Lower

FED USGS USGS4000077816

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 10	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1950	Well Depth:	17
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

O40
SSW
1/2 - 1 Mile
Lower

FED USGS USGS4000077859

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 7	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1950	Well Depth:	16
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

O41
SSW
1/2 - 1 Mile
Lower

FED USGS USGS40000777896

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 15	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1950	Well Depth:	18
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

O42
SSW
1/2 - 1 Mile
Lower

FED USGS USGS40000777895

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 4	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Stratified Deposits, Undifferentiated		
Aquifer Type:	Not Reported	Construction Date:	1950
Well Depth:	19	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

O43
SSW
1/2 - 1 Mile
Lower

FED USGS USGS40000777894

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 1	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1950	Well Depth:	16
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

O44
SSW
1/2 - 1 Mile
Lower

FED USGS USGS40000777333

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 11	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Stratified Deposits, Undifferentiated		
Aquifer Type:	Not Reported	Construction Date:	1950
Well Depth:	29	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

O45
SSW
1/2 - 1 Mile
Lower

FED USGS USGS40000777334

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 18	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Stratified Deposits, Undifferentiated		
Aquifer Type:	Not Reported	Construction Date:	1950
Well Depth:	29.5	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

O46
SSW
1/2 - 1 Mile
Lower

FED USGS USGS40000777802

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 8	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Stratified Deposits, Undifferentiated		
Aquifer Type:	Not Reported	Construction Date:	1950
Well Depth:	40	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

K47
SSE
1/2 - 1 Mile
Lower

NH WELLS NHINV0000000172

Database:	Well Locations	Driller #:	173
Well #:	2963	WRB ID:	007.0631
Elevation:	259	Well Owner:	PAPPAS
Date Completed:	1997 610	Well Use:	Domestic
Well Need:	Deepen Existing	Well Type:	Drilled in Bedrock
Well Depth:	885	Bedrock Depth:	8
Casing Length:	21	Yield Test Method:	Compressed Air
Duration:	0	Discharge (GPM):	8
Static Water Level:	32	Date Measured:	2007 8 1
Water Quality Checked:	Not Reported		

M48
South
1/2 - 1 Mile
Lower

NH WELLS NHINV0000000015

Database:	Well Locations	Driller #:	16
Well #:	69-19-94	WRB ID:	007.0446
Elevation:	246	Well Owner:	PALLARDY
Date Completed:	1994 919	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	500	Bedrock Depth:	14
Casing Length:	20	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	2.33
Static Water Level:	30	Date Measured:	1994 919
Water Quality Checked:	Not Reported		

49
East
1/2 - 1 Mile
Lower

NH WELLS NHINV00000030720

Database:	Well Locations	Driller #:	30721
Well #:	00075	WRB ID:	007.0894
Elevation:	256	Well Owner:	PARKER
Date Completed:	1999 918	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	260	Bedrock Depth:	19
Casing Length:	29	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	12.9
Static Water Level:	15	Date Measured:	1999 919
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

K50
SSE
1/2 - 1 Mile
Lower

FED USGS USGS40000777331

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 444	Type:	Well
Description:	Field location by NHDES staff by method 6		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock	Aquifer Type:	Not Reported
Construction Date:	19970610	Well Depth:	500
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

P51
ESE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000000224

Database:	Well Locations	Driller #:	225
Well #:	16	WRB ID:	007.0002
Elevation:	320	Well Owner:	TO
Date Completed:	1984 3 9	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	150	Bedrock Depth:	5
Casing Length:	15	Yield Test Method:	Pumped
Duration:	0	Discharge (GPM):	25
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

M52
South
1/2 - 1 Mile
Lower

FED USGS USGS40000777307

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 380	Type:	Well
Description:	Field location by NHDES staff by method 6		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock	Aquifer Type:	Not Reported
Construction Date:	19940712	Well Depth:	800
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

M53
South
1/2 - 1 Mile
Lower

NH WELLS NHINV0000034846

Database:	Well Locations	Driller #:	34847
Well #:	51-7-12-94	WRB ID:	007.0461
Elevation:	246	Well Owner:	PERRELLA
Date Completed:	1994 712	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	800	Bedrock Depth:	14
Casing Length:	20	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	.14
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

O54
SSW
1/2 - 1 Mile
Lower

NH WELLS NHPW00000005155

Database:	Public Water Supply Sources	PWS ID:	1621010-007
NH DES ID:	18579	Name:	PENNICHUCK WATER WORKS
Water System Facility ID:	1621010	System Type:	Community System
System Active/Inactive:	A	Source Active/Inactive:	I
Population Served:	87682	Source Record and Water Type:	Groundwater, non-purchased
Water Source:	Groundwater	Well Depth:	60
Well Type:	Gravel Packed Well	Phase I delineation for overburden well pre-dating CWP. Uses basic hydrologic methods like UFE.	
Well Protection Delineation:	Phase I delineation for overburden well pre-dating CWP. Uses basic hydrologic methods like UFE.	Production Volume:	0
Max Extraction Rate:	288000		
Yield:	200		

P55
ESE
1/2 - 1 Mile
Higher

FED USGS USGS40000777544

Organization ID:	USGS-NH	Type:	Well
Organization Name:	USGS New Hampshire Water Science Center	HUC:	01070002
Monitor Location:	NH-AMW 82	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Bedrock
Contrib Drainage Area:	Not Reported	Construction Date:	19840000
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	Not Reported
Well Depth:	150		
Well Hole Depth:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

Q56
ENE
1/2 - 1 Mile
Higher

NH WELLS NHINV000000424

Database:	Well Locations	Driller #:	425
Well #:	176-18074	WRB ID:	007.0116
Elevation:	270	Well Owner:	SWEEDE
Date Completed:	19851115	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	330	Bedrock Depth:	28
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	4
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

Q57
ENE
1/2 - 1 Mile
Lower

FED USGS USGS40000777872

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 164	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	19850000
Well Depth:	330	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

R58
SE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000044062

Database:	Well Locations	Driller #:	44063
Well #:	20838	WRB ID:	007.1178
Elevation:	0	Well Owner:	JONES
Date Completed:	2007 917	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	160	Bedrock Depth:	14
Casing Length:	50	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	40
Static Water Level:	12.3	Date Measured:	2007 918
Water Quality Checked:	Y		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

Q59
ENE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000063691

Database:	Well Locations	Driller #:	63692
Well #:	18368	WRB ID:	007.1122
Elevation:	272	Well Owner:	STEVE DESMARAIS CONST
Date Completed:	2005 822	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	365	Bedrock Depth:	16
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	10
Static Water Level:	20	Date Measured:	2005 823
Water Quality Checked:	Y		

N60
East
1/2 - 1 Mile
Lower

NH WELLS NHINV0000060728

Database:	Well Locations	Driller #:	60729
Well #:	Not Reported	WRB ID:	007.1103
Elevation:	266	Well Owner:	COX
Date Completed:	200012 8	Well Use:	Domestic
Well Need:	Replace Existing	Well Type:	Drilled in Bedrock
Well Depth:	1505	Bedrock Depth:	15
Casing Length:	60	Yield Test Method:	Compressed Air
Duration:	2	Discharge (GPM):	.5
Static Water Level:	80	Date Measured:	20001211
Water Quality Checked:	Not Reported		

S61
SE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000034827

Database:	Well Locations	Driller #:	34828
Well #:	382	WRB ID:	007.0257
Elevation:	290	Well Owner:	PERRY
Date Completed:	1989 712	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	145	Bedrock Depth:	45
Casing Length:	55	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	50
Static Water Level:	10	Date Measured:	1989 713
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

S62
SE
1/2 - 1 Mile
Higher

FED USGS USGS40000777421

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 254	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	19890000
Well Depth:	145	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

T63
SSE
1/2 - 1 Mile
Lower

NH WELLS NHINV0000000171

Database:	Well Locations	Driller #:	172
Well #:	2917	WRB ID:	007.0630
Elevation:	262	Well Owner:	CHING
Date Completed:	1997 5 1	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	500	Bedrock Depth:	8
Casing Length:	21	Yield Test Method:	Compressed Air
Duration:	0	Discharge (GPM):	2
Static Water Level:	12	Date Measured:	1997 529
Water Quality Checked:	Not Reported		

T64
SSE
1/2 - 1 Mile
Lower

FED USGS USGS40000777299

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 443	Type:	Well
Description:	Field location by NHDES staff by method 6		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock	Aquifer Type:	Not Reported
Construction Date:	19970501	Well Depth:	500
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

65
West
1/2 - 1 Mile
Lower

FED USGS USGS40000777633

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 54	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	1948
Well Depth:	150	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

M66
South
1/2 - 1 Mile
Lower

FED USGS USGS40000777284

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 381	Type:	Well
Description:	Field location by NHDES staff by method 6		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock	Aquifer Type:	Not Reported
Construction Date:	19940708	Well Depth:	800
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

M67
South
1/2 - 1 Mile
Lower

NH WELLS NHINV0000000025

Database:	Well Locations	Driller #:	26
Well #:	50-7-8-94	WRB ID:	007.0462
Elevation:	246	Well Owner:	GELFAND
Date Completed:	1994 7 8	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	800	Bedrock Depth:	20
Casing Length:	29	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	.14
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

R68
SE
1/2 - 1 Mile
Higher

FED USGS USGS40000777373

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 475	Type:	Well
Description:	Field location by Water well contractor		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock	Aquifer Type:	Not Reported
Construction Date:	20031217	Well Depth:	340
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

R69
SE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000052681

Database:	Well Locations	Driller #:	52682
Well #:	16971	WRB ID:	007.1056
Elevation:	0	Well Owner:	STANLEY CONSTRUCTION CORP
Date Completed:	20031217	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	340	Bedrock Depth:	17
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	30
Static Water Level:	4.5	Date Measured:	20031218
Water Quality Checked:	Y		

U70
South
1/2 - 1 Mile
Lower

NH WELLS NHINV0000035495

Database:	Well Locations	Driller #:	35496
Well #:	Not Reported	WRB ID:	007.0980
Elevation:	0	Well Owner:	GELFOND
Date Completed:	1999 412	Well Use:	Domestic
Well Need:	Replace Existing	Well Type:	Drilled in Bedrock
Well Depth:	765	Bedrock Depth:	20
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	0
Static Water Level:	0	Date Measured:	1999 412
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

U71
South
1/2 - 1 Mile
Lower

NH WELLS NHINV0000035513

Database:	Well Locations	Driller #:	35514
Well #:	Not Reported	WRB ID:	007.0981
Elevation:	0	Well Owner:	GELFAND
Date Completed:	1999 416	Well Use:	Domestic
Well Need:	Replace Existing	Well Type:	Drilled in Bedrock
Well Depth:	1500	Bedrock Depth:	20
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	0	Discharge (GPM):	0
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

V72
ENE
1/2 - 1 Mile
Lower

NH WELLS NHINV0000045497

Database:	Well Locations	Driller #:	45498
Well #:	Not Reported	WRB ID:	007.1051
Elevation:	259	Well Owner:	LAISI
Date Completed:	20021110	Well Use:	Abandoned
Well Need:	Other	Well Type:	Dug
Well Depth:	12	Bedrock Depth:	0
Casing Length:	12	Yield Test Method:	Not Reported
Duration:	0	Discharge (GPM):	0
Static Water Level:	4	Date Measured:	20021110
Water Quality Checked:	Not Reported		

V73
ENE
1/2 - 1 Mile
Lower

NH WELLS NHINV0000046281

Database:	Well Locations	Driller #:	46282
Well #:	Not Reported	WRB ID:	007.1020
Elevation:	259	Well Owner:	LAISI
Date Completed:	200211 9	Well Use:	Domestic
Well Need:	Replace Existing	Well Type:	Drilled in Bedrock
Well Depth:	385	Bedrock Depth:	18
Casing Length:	26	Yield Test Method:	Pumped
Duration:	10	Discharge (GPM):	4
Static Water Level:	5	Date Measured:	20021110
Water Quality Checked:	Y		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

W74
South
1/2 - 1 Mile
Lower

FED USGS USGS40000777242

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 78	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Stratified Deposits, Undifferentiated		
Aquifer Type:	Not Reported	Construction Date:	19820915
Well Depth:	49	Well Depth Units:	ft
Well Hole Depth:	56	Well Hole Depth Units:	ft

W75
South
1/2 - 1 Mile
Lower

FED USGS USGS40000777243

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMA 6	Type:	Well: Test hole not completed as a well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	10	Well Hole Depth Units:	ft

X76
SSE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000000189

Database:	Well Locations	Driller #:	190
Well #:	3162	WRB ID:	007.0649
Elevation:	289	Well Owner:	PERROS
Date Completed:	1997 927	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	620	Bedrock Depth:	4
Casing Length:	21	Yield Test Method:	Compressed Air
Duration:	0	Discharge (GPM):	2
Static Water Level:	40	Date Measured:	199710 2
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

X77
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000777241

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 451	Type:	Well
Description:	Field location by NHDES staff by method 6		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock	Aquifer Type:	Not Reported
Construction Date:	19970927	Well Depth:	620
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

78
NE
1/2 - 1 Mile
Lower

NH WELLS NHINV0000064259

Database:	Well Locations	Driller #:	64260
Well #:	1-8826	WRB ID:	007.1124
Elevation:	266	Well Owner:	TWO VEST INC
Date Completed:	2005 816	Well Use:	Agricultural
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	780	Bedrock Depth:	15
Casing Length:	42	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	4
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

79
East
1/2 - 1 Mile
Lower

NH WELLS NHINV0000046195

Database:	Well Locations	Driller #:	46196
Well #:	15860	WRB ID:	007.1010
Elevation:	261	Well Owner:	ANDREASEN
Date Completed:	2002 830	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	740	Bedrock Depth:	6
Casing Length:	20	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	30
Static Water Level:	0	Date Measured:	2002 9 2
Water Quality Checked:	Y		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

W80
South
1/2 - 1 Mile
Lower

FED USGS USGS40000777228

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMA 5		
Type:	Well: Test hole not completed as a well		
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	11	Well Hole Depth Units:	ft

U81
South
1/2 - 1 Mile
Lower

FED USGS USGS40000777227

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 358	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	19930000
Well Depth:	520	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Y82
North
1/2 - 1 Mile
Lower

NH WELLS NHINV0000000642

Database:	Well Locations	Driller #:	643
Well #:	00107	WRB ID:	007.0269
Elevation:	270	Well Owner:	SIR WILLIAMS RESTAURANT
Date Completed:	19891110	Well Use:	Commercial
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	425	Bedrock Depth:	15
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	11
Static Water Level:	6	Date Measured:	19891111
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

W83
South
1/2 - 1 Mile
Lower

FED USGS USGS40000777229

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 77	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Stratified Deposits, Undifferentiated		
Aquifer Type:	Not Reported	Construction Date:	19820915
Well Depth:	35	Well Depth Units:	ft
Well Hole Depth:	36	Well Hole Depth Units:	ft

U84
South
1/2 - 1 Mile
Lower

NH WELLS NHINV0000000842

Database:	Well Locations	Driller #:	843
Well #:	88-10-19-93	WRB ID:	007.0410
Elevation:	240	Well Owner:	BESHULE
Date Completed:	19931019	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	520	Bedrock Depth:	12
Casing Length:	21	Yield Test Method:	Compressed Air
Duration:	.25	Discharge (GPM):	100
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

Y85
North
1/2 - 1 Mile
Lower

FED USGS USGS40000778185

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 262	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	19890000
Well Depth:	425	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

Y86
North
1/2 - 1 Mile
Lower

NH WELLS NHPW0000001624

Database:	Public Water Supply Sources	PWS ID:	0078050-001
NH DES ID:	52262	Name:	BLACK FOREST CAFE
Water System Facility ID:	0078050	Source Active/Inactive:	A
System Active/Inactive:	A	Source Record and Water Type:	Groundwater, non-purchased
System Type:	Transient, non community system (hotel/restaurant/campground/etc.)		
Population Served:	25	Well Depth:	425
Water Source:	Groundwater	Max Extraction Rate:	0
Well Type:	Bedrock Well	Yield:	11
Well Protection Delineation:	Not Reported		
Production Volume:	0		

87
SSE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000034648

Database:	Well Locations	Driller #:	34649
Well #:	15488	WRB ID:	007.0959
Elevation:	337	Well Owner:	STANLEY CONSTRUCTION CORP
Date Completed:	2002 322	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	420	Bedrock Depth:	12
Casing Length:	80	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	6
Static Water Level:	21	Date Measured:	2002 325
Water Quality Checked:	Y		

U88
South
1/2 - 1 Mile
Lower

NH WELLS NHINV0000000014

Database:	Well Locations	Driller #:	15
Well #:	4696	WRB ID:	007.0445
Elevation:	243	Well Owner:	BAKER
Date Completed:	1994 629	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	765	Bedrock Depth:	18
Casing Length:	30	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	10
Static Water Level:	15	Date Measured:	1994 630
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

89
West
1/2 - 1 Mile
Lower

FED USGS USGS4000077644

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 31	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19630705	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

W90
South
1/2 - 1 Mile
Lower

FED USGS USGS40000777209

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 79	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Stratified Deposits, Undifferentiated		
Aquifer Type:	Not Reported	Construction Date:	19820917
Well Depth:	42	Well Depth Units:	ft
Well Hole Depth:	45	Well Hole Depth Units:	ft

U91
South
1/2 - 1 Mile
Lower

FED USGS USGS40000777208

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 371	Type:	Well
Description:	Field location by NHDES staff by method 6		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock		
Construction Date:	19940629	Aquifer Type:	Not Reported
Well Depth Units:	ft	Well Depth:	765
Well Hole Depth Units:	Not Reported	Well Hole Depth:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

Z92
South
1/2 - 1 Mile
Lower

FED USGS USGS40000777190

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMA 7		
Type:	Well: Test hole not completed as a well		
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	17	Well Hole Depth Units:	ft

93
SSW
1/2 - 1 Mile
Lower

FED USGS USGS40000777244

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 38	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1925	Well Depth:	31.1
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

94
WSW
1/2 - 1 Mile
Lower

FED USGS USGS40000777490

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 57	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	1946
Well Depth:	234	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

95
ENE
1/2 - 1 Mile
Lower

NH WELLS NHINV0000001303

Database:	Well Locations	Driller #:	1304
Well #:	3533	WRB ID:	007.0750
Elevation:	260	Well Owner:	BAROWSKI
Date Completed:	1998 728	Well Use:	Domestic
Well Need:	Replace Existing	Well Type:	Drilled in Bedrock
Well Depth:	160	Bedrock Depth:	34
Casing Length:	41	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	60
Static Water Level:	4	Date Measured:	1998 8 6
Water Quality Checked:	Not Reported		

AA96
SSE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000000190

Database:	Well Locations	Driller #:	191
Well #:	3096	WRB ID:	007.0650
Elevation:	272	Well Owner:	ALLAIRE
Date Completed:	1997 823	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	600	Bedrock Depth:	2
Casing Length:	21	Yield Test Method:	Compressed Air
Duration:	6	Discharge (GPM):	1
Static Water Level:	50	Date Measured:	1997 917
Water Quality Checked:	Not Reported		

Z97
South
1/2 - 1 Mile
Lower

FED USGS USGS40000777145

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 80	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Stratified Deposits, Undifferentiated		
Aquifer Type:	Not Reported	Construction Date:	19830722
Well Depth:	35	Well Depth Units:	ft
Well Hole Depth:	38	Well Hole Depth Units:	ft

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

Z98
South
1/2 - 1 Mile
Lower

FED USGS USGS40000777146

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 75	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Stratified Deposits, Undifferentiated		
Aquifer Type:	Not Reported	Construction Date:	19820618
Well Depth:	21	Well Depth Units:	ft
Well Hole Depth:	22	Well Hole Depth Units:	ft

AA99
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000777170

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 452	Type:	Well
Description:	Field location by NHDES staff by method 6		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock	Aquifer Type:	Not Reported
Construction Date:	19970823	Well Depth:	600
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AB100
WNW
1/2 - 1 Mile
Higher

FED USGS USGS40000777948

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 104	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	19840000
Well Depth:	655	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

Z101
South
1/2 - 1 Mile
Lower

FED USGS USGS40000777121

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 76	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Stratified Deposits, Undifferentiated		
Aquifer Type:	Not Reported	Construction Date:	19820622
Well Depth:	31	Well Depth Units:	ft
Well Hole Depth:	32.5	Well Hole Depth Units:	ft

AB102
WNW
1/2 - 1 Mile
Higher

NH WELLS NHINV0000000292

Database:	Well Locations	Driller #:	293
Well #:	81-17182	WRB ID:	007.0030
Elevation:	280	Well Owner:	J ALDRICH CONST
Date Completed:	19841219	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	655	Bedrock Depth:	50
Casing Length:	60	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	2
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

AA103
South
1/2 - 1 Mile
Lower

NH WELLS NHINV00000001450

Database:	Well Locations	Driller #:	1451
Well #:	4069	WRB ID:	007.0808
Elevation:	246	Well Owner:	FORSITE CONSTRUCTION
Date Completed:	1999 721	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	298	Bedrock Depth:	14
Casing Length:	41	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	50
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

104
West
1/2 - 1 Mile
Lower

FED USGS USGS40000777780

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMB 2		
Type:	Well: Test hole not completed as a well		
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	196808	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	27
Well Hole Depth Units:	ft		

AC105
NNE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000034851

Database:	Well Locations	Driller #:	34852
Well #:	10898	WRB ID:	007.0545
Elevation:	269	Well Owner:	BOLLING
Date Completed:	1996 4 1	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	480	Bedrock Depth:	8
Casing Length:	20	Yield Test Method:	Pumped
Duration:	8	Discharge (GPM):	8
Static Water Level:	15	Date Measured:	1996 410
Water Quality Checked:	Not Reported		

AC106
NNE
1/2 - 1 Mile
Higher

FED USGS USGS40000778209

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 408	Type:	Well
Description:	Field location by NHDES staff by method 6		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock	Aquifer Type:	Not Reported
Construction Date:	19960401	Well Depth:	480
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

107
SSE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000000063

Database:	Well Locations	Driller #:	64
Well #:	93041	WRB ID:	007.0500
Elevation:	363	Well Owner:	QUEENEY
Date Completed:	19931026	Well Use:	Domestic
Well Need:	Deepen Existing	Well Type:	Drilled in Bedrock
Well Depth:	425	Bedrock Depth:	0
Casing Length:	0	Yield Test Method:	Bailed
Duration:	4	Discharge (GPM):	1
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

108
East
1/2 - 1 Mile
Lower

NH WELLS NHINV0000000111

Database:	Well Locations	Driller #:	112
Well #:	317	WRB ID:	007.0544
Elevation:	255	Well Owner:	BUXTON
Date Completed:	1996 227	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	560	Bedrock Depth:	8
Casing Length:	30	Yield Test Method:	Compressed Air
Duration:	2	Discharge (GPM):	8
Static Water Level:	20	Date Measured:	1996 227
Water Quality Checked:	Not Reported		

AD109
SE
1/2 - 1 Mile
Higher

FED USGS USGS40000777330

Organization ID:	USGS-NH	Type:	Well
Organization Name:	USGS New Hampshire Water Science Center	HUC:	01070002
Monitor Location:	NH-AMW 122	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Bedrock
Contrib Drainage Area:	Not Reported	Construction Date:	19850000
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	Not Reported
Well Depth:	280		
Well Hole Depth:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

AD110
SE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000000334

Database:	Well Locations	Driller #:	335
Well #:	1985-16	WRB ID:	007.0059
Elevation:	280	Well Owner:	MARSH
Date Completed:	1985 4 9	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	280	Bedrock Depth:	24
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	5
Static Water Level:	20	Date Measured:	1985 410
Water Quality Checked:	Not Reported		

111
SE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000001366

Database:	Well Locations	Driller #:	1367
Well #:	3717	WRB ID:	007.0763
Elevation:	338	Well Owner:	CHARLES SMITH
Date Completed:	19981117	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	300	Bedrock Depth:	8
Casing Length:	21	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	20
Static Water Level:	18	Date Measured:	19981120
Water Quality Checked:	Not Reported		

AE112
WNW
1/2 - 1 Mile
Lower

FED USGS USGS40000777911

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 271	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	19880000
Well Depth:	500	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AE113
WNW
1/2 - 1 Mile
Lower

NH WELLS NHINV0000000649

Database:	Well Locations	Driller #:	650
Well #:	491	WRB ID:	007.0285
Elevation:	260	Well Owner:	TINGLEFF
Date Completed:	19881017	Well Use:	Domestic
Well Need:	Replace Existing	Well Type:	Drilled in Bedrock
Well Depth:	500	Bedrock Depth:	15
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	0	Discharge (GPM):	20
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

AF114
NE
1/2 - 1 Mile
Higher

FED USGS USGS40000778155

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 458	Type:	Well
Description:	Field location by NHDES staff by method 6		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock	Aquifer Type:	Not Reported
Construction Date:	19980108	Well Depth:	160
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AF115
NE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000001206

Database:	Well Locations	Driller #:	1207
Well #:	12134	WRB ID:	007.0681
Elevation:	279	Well Owner:	HUYCK
Date Completed:	1998 1 8	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	160	Bedrock Depth:	10
Casing Length:	20	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	25
Static Water Level:	20	Date Measured:	1998 110
Water Quality Checked:	Y		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

AG116
NW
 1/2 - 1 Mile
 Higher

NH WELLS NHINV0000000779

Database:	Well Locations	Driller #:	780
Well #:	69	WRB ID:	007.0369
Elevation:	330	Well Owner:	CASTILLIO
Date Completed:	1992 9 3	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	220	Bedrock Depth:	44
Casing Length:	60	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	15
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

AH117
NE
 1/2 - 1 Mile
 Higher

NH WELLS NHINV0000000129

Database:	Well Locations	Driller #:	130
Well #:	11367	WRB ID:	007.0574
Elevation:	292	Well Owner:	DANIELS
Date Completed:	19961214	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	500	Bedrock Depth:	26
Casing Length:	40	Yield Test Method:	Pumped
Duration:	9	Discharge (GPM):	3.5
Static Water Level:	20	Date Measured:	1997 121
Water Quality Checked:	Y		

AH118
NE
 1/2 - 1 Mile
 Higher

FED USGS USGS40000778225

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 421	Type:	Well
Description:	Field location by NHDES staff by method 6		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock	Aquifer Type:	Not Reported
Construction Date:	19971214	Well Depth:	500
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

AG119
NW
1/2 - 1 Mile
Higher

FED USGS USGS40000778064

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 336	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	19920000
Well Depth:	220	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

120
NW
1/2 - 1 Mile
Higher

NH WELLS NHINV0000043383

Database:	Well Locations	Driller #:	43384
Well #:	Not Reported	WRB ID:	007.1145
Elevation:	304	Well Owner:	VERROCHI
Date Completed:	2006 4 8	Well Use:	Domestic
Well Need:	Replace Existing	Well Type:	Drilled in Bedrock
Well Depth:	525	Bedrock Depth:	29
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	4	Discharge (GPM):	0
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

121
WNW
1/2 - 1 Mile
Lower

NH WELLS NHINV0000031282

Database:	Well Locations	Driller #:	31283
Well #:	4795	WRB ID:	007.0864
Elevation:	259	Well Owner:	TOWNER
Date Completed:	2000 929	Well Use:	Domestic
Well Need:	Replace Existing	Well Type:	Drilled in Bedrock
Well Depth:	520	Bedrock Depth:	21
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	1
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AI122
SSW
1/2 - 1 Mile
Higher

NH WELLS NHINV000000199

Database:	Well Locations	Driller #:	200
Well #:	7	WRB ID:	007.0661
Elevation:	305	Well Owner:	OLIVA
Date Completed:	1998 112	Well Use:	Abandoned
Well Need:	Other	Well Type:	Other
Well Depth:	0	Bedrock Depth:	0
Casing Length:	0	Yield Test Method:	Not Reported
Duration:	0	Discharge (GPM):	0
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

AJ123
SW
1/2 - 1 Mile
Higher

FED USGS USGS40000777285

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 182	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	19860000
Well Depth:	620	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

AJ124
SW
1/2 - 1 Mile
Higher

NH WELLS NHINV0000036541

Database:	Well Locations	Driller #:	36542
Well #:	103	WRB ID:	007.0153
Elevation:	350	Well Owner:	ATHERTON COMMON
Date Completed:	1986 710	Well Use:	Small Community Water Supply
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	620	Bedrock Depth:	40
Casing Length:	100	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	8
Static Water Level:	15	Date Measured:	1986 710
Water Quality Checked:	Y		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

125
ESE
1/2 - 1 Mile
Lower

NH WELLS NHINV0000064497

Database:	Well Locations	Driller #:	64498
Well #:	18164	WRB ID:	007.1131
Elevation:	251	Well Owner:	CJ COVELL CONSTRUCTION
Date Completed:	2005 9 1	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	500	Bedrock Depth:	25
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	2
Static Water Level:	10	Date Measured:	2005 9 2
Water Quality Checked:	Y		

AD126
SE
1/2 - 1 Mile
Higher

FED USGS USGS40000777298

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 152	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Stratified Deposits, Undifferentiated		
Aquifer Type:	Not Reported	Construction Date:	19850000
Well Depth:	15	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

AK127
WSW
1/2 - 1 Mile
Lower

FED USGS USGS40000777563

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 373	Type:	Well
Description:	Field location by NHDES staff by method 6		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock	Aquifer Type:	Not Reported
Construction Date:	19940502	Well Depth:	125
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

128
ENE
1/2 - 1 Mile
Lower

NH WELLS NHINV0000046271

Database:	Well Locations	Driller #:	46272
Well #:	Not Reported	WRB ID:	007.1019
Elevation:	261	Well Owner:	S L SICKLER CONSTRUCTION
Date Completed:	2003 825	Well Use:	Domestic
Well Need:	Replace Existing	Well Type:	Drilled in Bedrock
Well Depth:	205	Bedrock Depth:	25
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	2	Discharge (GPM):	10
Static Water Level:	10	Date Measured:	2003 825
Water Quality Checked:	Not Reported		

129
WNW
1/2 - 1 Mile
Higher

NH WELLS NHINV0000033025

Database:	Well Locations	Driller #:	33026
Well #:	1-5442	WRB ID:	007.0937
Elevation:	283	Well Owner:	HARTWOOD BUILDING
Date Completed:	200110 2	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	500	Bedrock Depth:	19
Casing Length:	63	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	1
Static Water Level:	20	Date Measured:	200110 2
Water Quality Checked:	Not Reported		

AK130
WSW
1/2 - 1 Mile
Higher

NH WELLS NHINV0000000016

Database:	Well Locations	Driller #:	17
Well #:	4657	WRB ID:	007.0447
Elevation:	282	Well Owner:	JAY
Date Completed:	1994 5 2	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	125	Bedrock Depth:	30
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	15
Static Water Level:	11	Date Measured:	1994 5 4
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

AJ131
SW
1/2 - 1 Mile
Higher

NH WELLS NHPW0000000042

Database:	Public Water Supply Sources	PWS ID:	0072040-003
NH DES ID:	52250	Name:	ATHERTON COMMON
Water System Facility ID:	0072040	System Type:	Community System
System Active/Inactive:	I	Source Active/Inactive:	A
Population Served:	113	Source Record and Water Type:	Groundwater, non-purchased
Water Source:	Groundwater	Well Depth:	600
Well Type:	Bedrock Well	Well Protection Delineation: Fixed radius based on max daily withdrawal reported under NHDES sampling waiver.	
Max Extraction Rate:	14200	Production Volume:	0
Yield:	15		

AD132
SE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000000361

Database:	Well Locations	Driller #:	362
Well #:	7	WRB ID:	007.0101
Elevation:	280	Well Owner:	MELE
Date Completed:	1985 824	Well Use:	Domestic
Well Need:	New	Well Type:	Dug
Well Depth:	15	Bedrock Depth:	0
Casing Length:	18	Yield Test Method:	Not Reported
Duration:	0	Discharge (GPM):	0
Static Water Level:	.5	Date Measured:	1985 827
Water Quality Checked:	Not Reported		

AJ133
SW
1/2 - 1 Mile
Higher

NH WELLS NHPW0000000041

Database:	Public Water Supply Sources	PWS ID:	0072040-001
NH DES ID:	52250	Name:	ATHERTON COMMON
Water System Facility ID:	0072040	System Type:	Community System
System Active/Inactive:	I	Source Active/Inactive:	A
Population Served:	113	Source Record and Water Type:	Groundwater, non-purchased
Water Source:	Groundwater	Well Depth:	400
Well Type:	Bedrock Well	Well Protection Delineation: Fixed radius based on max daily withdrawal reported under NHDES sampling waiver.	
Max Extraction Rate:	14200	Production Volume:	0
Yield:	15		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

134
SSE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000000001

Database:	Well Locations	Driller #:	2
Well #:	10505	WRB ID:	007.0423
Elevation:	369	Well Owner:	SPIESS
Date Completed:	199411 8	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	860	Bedrock Depth:	4
Casing Length:	20	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	50
Static Water Level:	30	Date Measured:	199411 9
Water Quality Checked:	Not Reported		

AL135
NNE
1/2 - 1 Mile
Higher

FED USGS USGS40000778319

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 383	Type:	Well
Description:	Field location by NHDES staff by method 6		
HUC:	Not Reported	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Units:	Not Reported	Aquifer:	Not Reported
Formation Type:	Bedrock	Aquifer Type:	Not Reported
Construction Date:	19941130	Well Depth:	240
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

136
WSW
1/2 - 1 Mile
Higher

NH WELLS NHPW00000001280

Database:	Public Water Supply Sources		
NH DES ID:	91	PWS ID:	0072020-001
Water System Facility ID:	0072020	Name:	COUNTRY MANSION CONDO
System Active/Inactive:	I	System Type:	Community System
Population Served:	75	Source Active/Inactive:	A
Water Source:	Groundwater	Source Record and Water Type:	Groundwater, non-purchased
Well Type:	Bedrock Well	Well Depth:	300
Well Protection Delineation:	Fixed radius based on max daily withdrawal reported under NHDES sampling waiver.		
Max Extraction Rate:	6141	Production Volume:	0
Yield:	13		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AI137
SSW
1/2 - 1 Mile
Higher

NH WELLS NHINV0000039596

Database:	Well Locations	Driller #:	39597
Well #:	5-3-21-01	WRB ID:	007.0991
Elevation:	355	Well Owner:	QUINN
Date Completed:	2001 321	Well Use:	Domestic
Well Need:	Replace Existing	Well Type:	Drilled in Bedrock
Well Depth:	600	Bedrock Depth:	8
Casing Length:	20	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	7
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

AL138
NNE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000000039

Database:	Well Locations	Driller #:	40
Well #:	10263	WRB ID:	007.0465
Elevation:	285	Well Owner:	SMITH
Date Completed:	19941130	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	240	Bedrock Depth:	20
Casing Length:	60	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	8
Static Water Level:	20	Date Measured:	19941220
Water Quality Checked:	Not Reported		

139
SSE
1/2 - 1 Mile
Lower

NH WELLS NHINV0000035972

Database:	Well Locations	Driller #:	35973
Well #:	1-5984	WRB ID:	007.0976
Elevation:	248	Well Owner:	CONSTITUTION HOMES
Date Completed:	2002 724	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	400	Bedrock Depth:	12
Casing Length:	41	Yield Test Method:	Compressed Air
Duration:	1	Discharge (GPM):	2
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

140
SE
1/2 - 1 Mile
Higher

NH WELLS NHINV0000034639

Database:	Well Locations	Driller #:	34640
Well #:	15240	WRB ID:	007.0957
Elevation:	313	Well Owner:	WILLIAMS
Date Completed:	20011121	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	300	Bedrock Depth:	25
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	10
Static Water Level:	10	Date Measured:	20011122
Water Quality Checked:	Y		

AM141
SSW
1/2 - 1 Mile
Higher

NH WELLS NHINV0000036529

Database:	Well Locations	Driller #:	36530
Well #:	73-17109	WRB ID:	007.0023
Elevation:	300	Well Owner:	CHARPENTIER
Date Completed:	19841126	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	485	Bedrock Depth:	12
Casing Length:	21	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	5
Static Water Level:	0	Date Measured:	0
Water Quality Checked:	Not Reported		

AM142
SSW
1/2 - 1 Mile
Higher

FED USGS USGS40000776958

Organization ID:	USGS-NH	Type:	Well
Organization Name:	USGS New Hampshire Water Science Center	HUC:	01070002
Monitor Location:	NH-AMW 99	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Bedrock
Contrib Drainage Area:	Not Reported	Construction Date:	19840000
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	Not Reported
Well Depth:	485		
Well Hole Depth:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

143
ENE
1/2 - 1 Mile
Lower

FED USGS USGS4000077965

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	NH-AMW 37	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19630705	Well Depth:	12.6
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

144
North
1/2 - 1 Mile
Higher

NH WELLS NHINV0000034120

Database:	Well Locations	Driller #:	34121
Well #:	15715	WRB ID:	007.0968
Elevation:	322	Well Owner:	WORTH
Date Completed:	2002 5 9	Well Use:	Domestic
Well Need:	New	Well Type:	Drilled in Bedrock
Well Depth:	280	Bedrock Depth:	10
Casing Length:	40	Yield Test Method:	Compressed Air
Duration:	.5	Discharge (GPM):	12
Static Water Level:	25	Date Measured:	2002 513
Water Quality Checked:	Y		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: NH Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Max Result	Min Result
HILLSBOROUGH	AMHERST	647	4.6	80.2	0.3
HILLSBOROUGH	ANTRIM	71	0.8	3.7	0.3
HILLSBOROUGH	BEDFORD	790	5.8	153.9	0.3
HILLSBOROUGH	BENNINGTON	96	1.2	4.5	0.3
HILLSBOROUGH	BROOKLINE	192	3.1	22.4	0.3
HILLSBOROUGH	DEERING	90	2.1	24.5	0.3
HILLSBOROUGH	DUNBARTON	283	5.9	71.3	0.3
HILLSBOROUGH	FRANCESTOWN	96	1.1	9.1	0.3
HILLSBOROUGH	GOFFSTOWN	443	9.5	151.6	0.3
HILLSBOROUGH	GREENFIELD	83	2.3	38.4	0.3
HILLSBOROUGH	HANCOCK	116	1.0	8.1	0.3
HILLSBOROUGH	HILLSBOROUGH	117	1.1	6.5	0.3
HILLSBOROUGH	HOLLIS	454	6.4	77.8	0.3
HILLSBOROUGH	HUDSON	618	6.7	203.3	0.3
HILLSBOROUGH	LITCHFIELD	276	4.9	41.4	0.5
HILLSBOROUGH	LYNDEBORO	29	3.5	9.2	0.5
HILLSBOROUGH	LYNDEBOROUGH	132	6.0	106.4	0.3
HILLSBOROUGH	MANCHESTER	409	4.3	43.3	0.3
HILLSBOROUGH	MASON	118	5.9	46.8	0.3
HILLSBOROUGH	MERRIMACK	958	4.7	105.5	0.3
HILLSBOROUGH	MILFORD	464	5.2	151.5	0.3
HILLSBOROUGH	NASHUA	344	5.2	119.7	0.3
HILLSBOROUGH	NEW BOSTON	308	4.1	83.9	0.3
HILLSBOROUGH	NEW IPSWICH	329	3.2	17.8	0.5
HILLSBOROUGH	PELHAM	382	4.7	40.5	0.3
HILLSBOROUGH	TEMPLE	72	3.4	19.8	0.3
HILLSBOROUGH	WEARE	489	1.8	20.0	0.3
HILLSBOROUGH	WILTON	297	4.7	39.3	0.3
HILLSBOROUGH	GREENVILLE	88	3.1	19.0	0.3
HILLSBOROUGH	PETERBOROUGH	206	1.3	7.9	0.3
HILLSBOROUGH	SHARON	65	3.5	29.9	0.3
HILLSBOROUGH	MONT VERNON	143	5.1	59.1	0.3

Federal EPA Radon Zone for HILLSBOROUGH County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for HILLSBOROUGH COUNTY, NH

Number of sites tested: 578

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	1.640 pCi/L	79%	19%	2%
Basement	2.970 pCi/L	67%	29%	4%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Public Water Supply Sources

Source: Department of Environmental Services

Telephone: 603-271-3503

Well Locations

Source: University of New Hampshire, GRANIT

Telephone: 603-862-1792

OTHER STATE DATABASE INFORMATION

RADON

State Database: NH Radon

Source: Department of Health and Human Services

Telephone: 603-271-4610

Summary Table of Short-term Radon Test Results

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

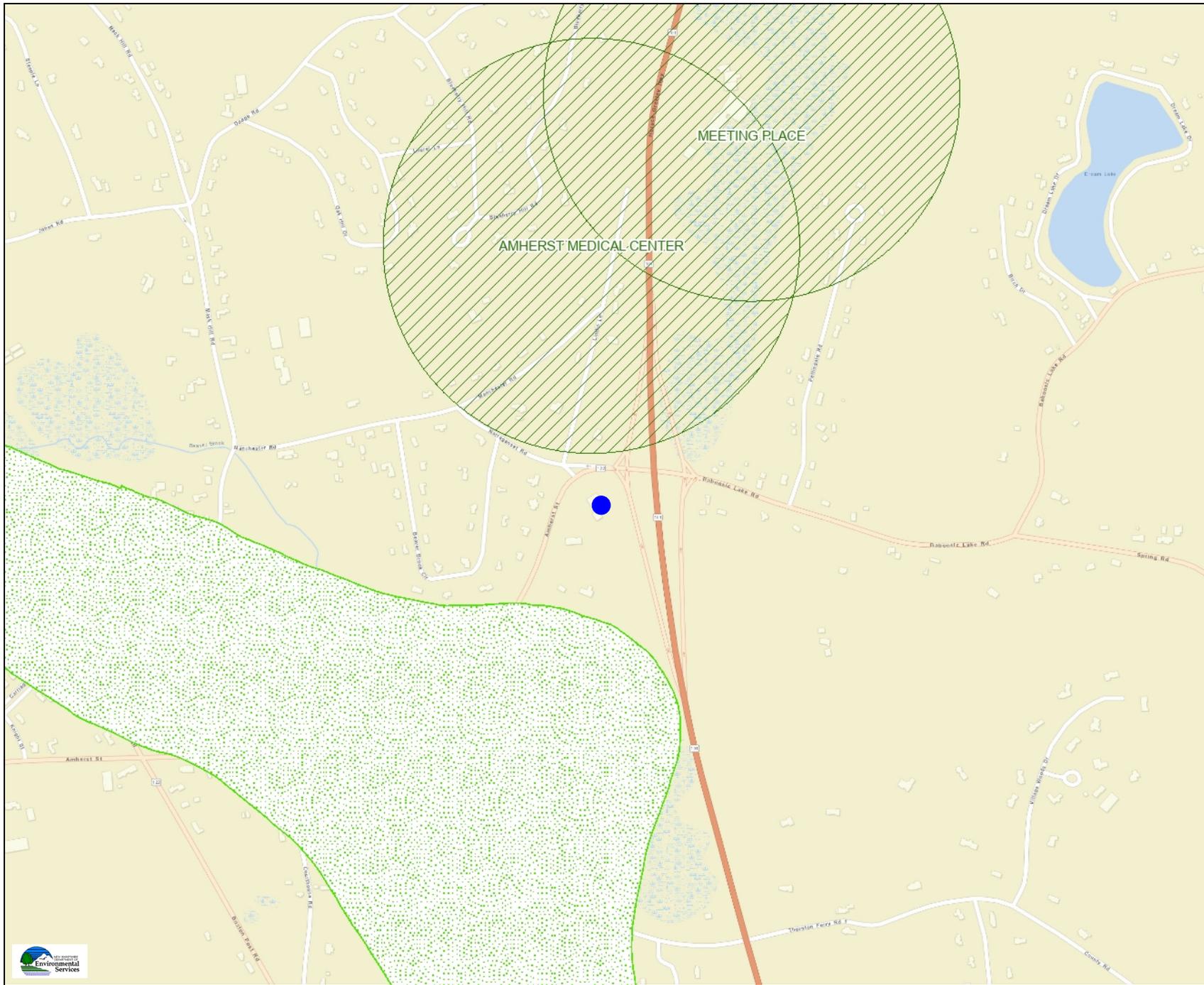
STREET AND ADDRESS INFORMATION

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Appendix F

NHDES OneStop Data Mapper Screenshots

Groundwater Classification Areas and Wellhead Protection Areas



Legend

-  Wellhead Protection Areas
-  Groundwater Classification / GA1
-  Groundwater Classification / GA2

Map Scale

1: 10,000

© NH DES, <http://des.nh.gov>

Map Generated: 12/16/2022

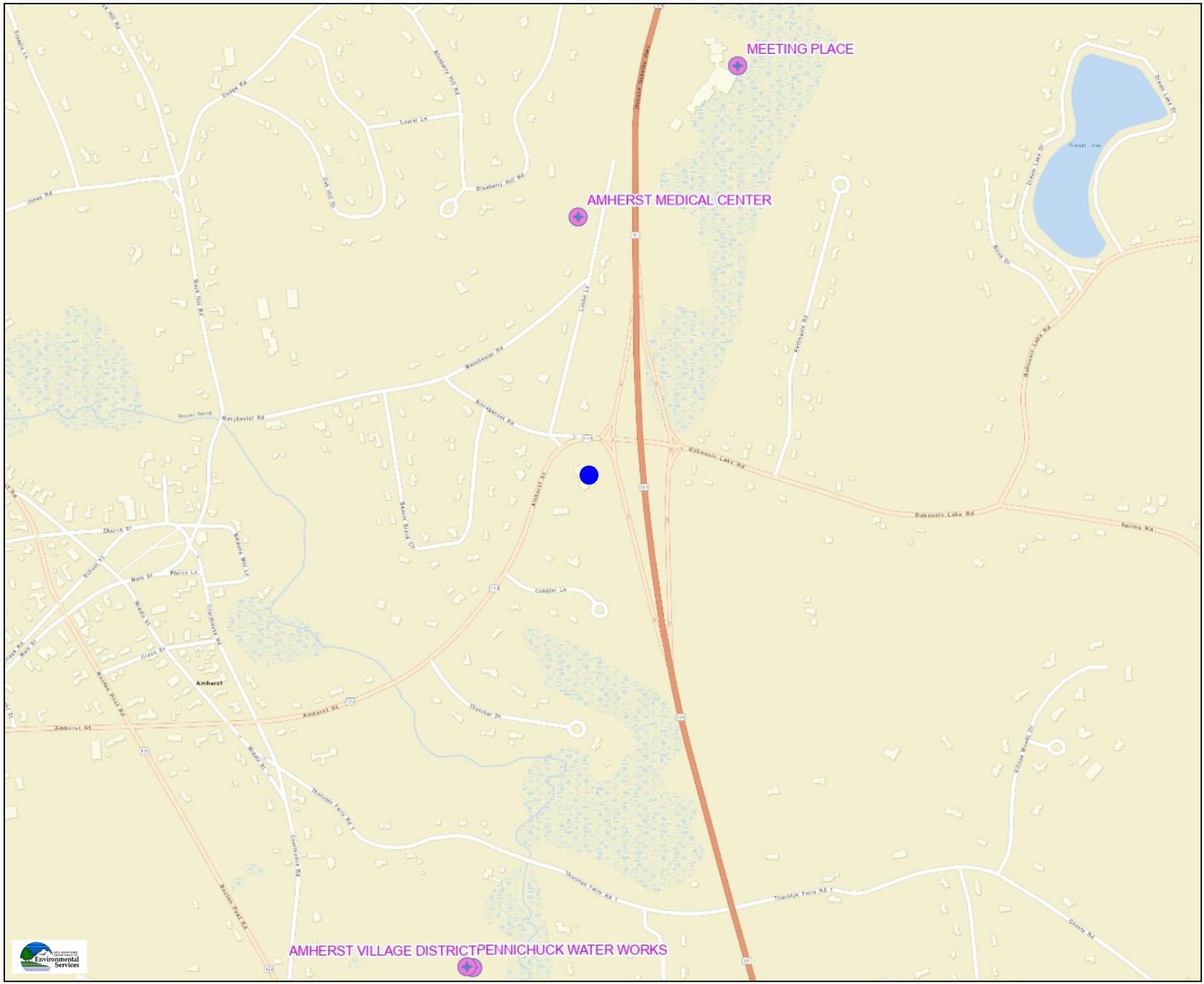


Notes

-  Approximate location of site



Public Water Supply Wells



AMHERST VILLAGE DISTRICT PENNICHUCK WATER WORKS

Legend

- Public Water Supply Wells

Map Scale
1: 10,000



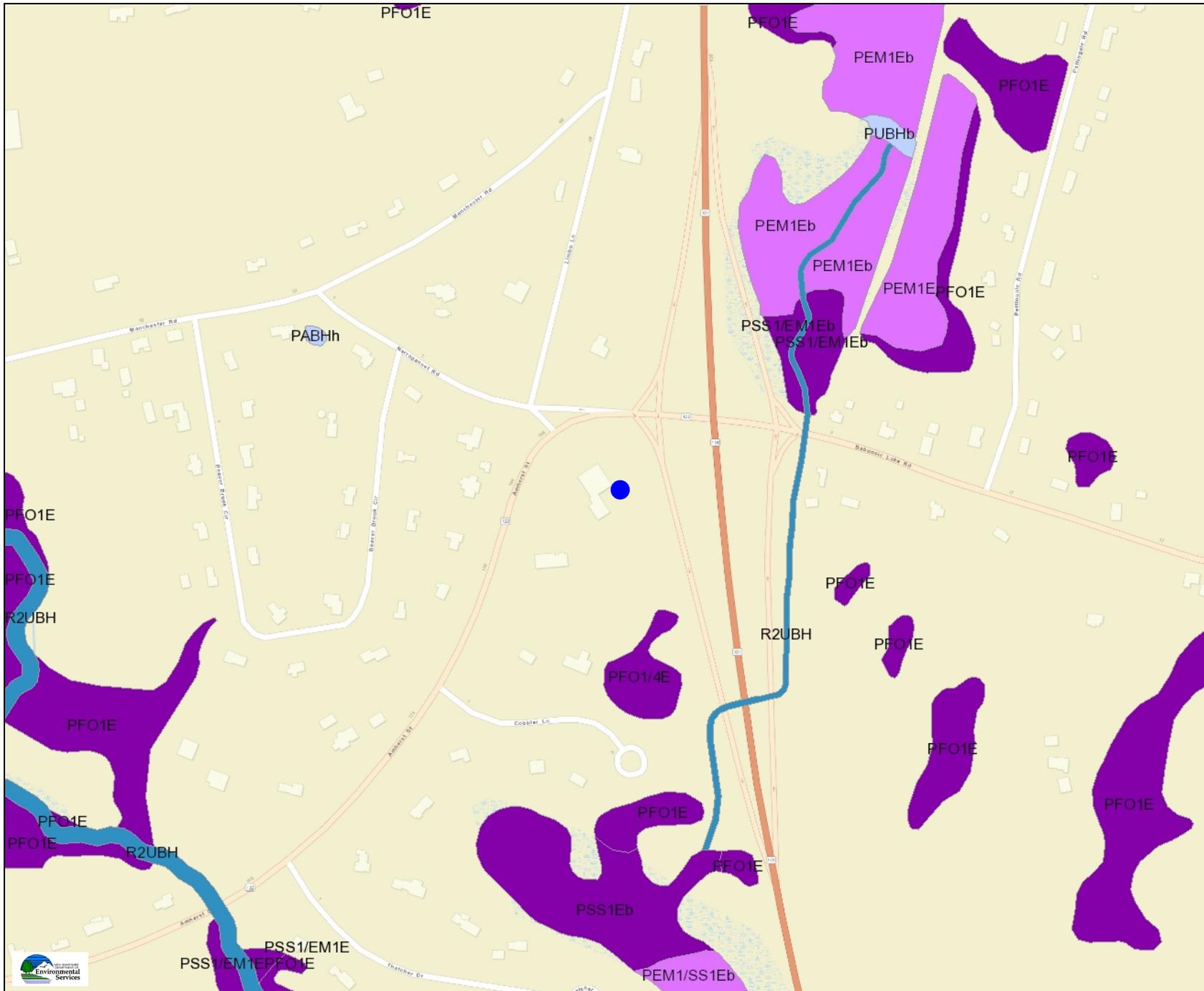
© NH DES, <http://des.nh.gov>
Map Generated: 12/16/2022

Notes

- Approximate location of site

Wetlands

Legend



Map Scale
 1: 5,000

© NH DES, <http://des.nh.gov>
 Map Generated: 12/16/2022



Notes

- Approximate location of site



Appendix G

Analytical Laboratory Data Report



Eastern Analytical, Inc.

professional laboratory and drilling services

Heidi Caprood
Sanborn, Head & Associates, Inc. (NH)
20 Foundry Street
Concord, NH 03301



Subject: Laboratory Report

Eastern Analytical, Inc. ID: 250598
Client Identification: Amherst Fire Station | 5439.00
Date Received: 10/13/2022

Dear Ms. Caprood :

Enclosed please find the report of analysis for the above identified project. As discussed, analyses were subcontracted and are listed as follows:

Analysis: PFAS EPA Method 537mod

Subcontractor Lab: Vista Analytical Laboratory

A complete copy of the report is attached. This report may not be reproduced except in full, without the written approval of the laboratory.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director

Date



SAMPLE CONDITIONS PAGE

EAI ID#: 250598

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **Amherst Fire Station | 5439.00**

Temperature upon receipt (°C): 4.5

Acceptable temperature range (°C): 0-6

Received on ice or cold packs (Yes/No): Y

Lab ID	Sample ID	Date Received	Date/Time Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
250598.01	SH-3_1-2_20221012	10/13/22	10/12/22 08:30	soil		Adheres to Sample Acceptance Policy
250598.02	SH-4_0.5-1.5_20221012	10/13/22	10/12/22 13:10	soil		Adheres to Sample Acceptance Policy
250598.03	B-101_1-2_20221012	10/13/22	10/12/22 09:40	soil		Adheres to Sample Acceptance Policy
250598.04	B-102_1-2_20221012	10/13/22	10/12/22 09:30	soil		Adheres to Sample Acceptance Policy
250598.05	B-103_1-2_20221012	10/13/22	10/12/22 09:48	soil		Adheres to Sample Acceptance Policy
250598.06	EB-1_20221012	10/13/22	10/12/22 15:35	aqueous		Adheres to Sample Acceptance Policy
250598.07	TB-1_20221012	10/13/22	10/12/22 15:45	aqueous		Adheres to Sample Acceptance Policy
250598.08	SH-3_17.5-18.5_20221012	10/13/22	10/12/22 09:00	soil		Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.
- Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.
- Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.
- Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.



November 15, 2022

Vista Work Order No. 2210131

Ms. Jennifer Laramie
Eastern Analytical, Inc.
51 Antrim Avenue
Concord, NH 03301

Dear Ms. Laramie,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on October 14, 2022 under your Project Name '250598 NH'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at frschwebel@enthalpy.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Frieda Schwebel
Project Manager



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 2210131

Case Narrative

Sample Condition on Receipt:

Six soil samples and two aqueous samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the recommended temperature requirements.

Analytical Notes:

PFAS Isotope Dilution/LC-MSMS Method Compliant with Table B-15 of DoD QSM 5.3 (Solid)

The samples were extracted and analyzed for a selected list of PFAS using Isotope Dilution and LC-MS/MS compliant with Table B-15 of DoD QSM 5.3. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above the Reporting Limits (RL). The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are listed in the table below. The responses of the internal standards with low recoveries were greater than 10:1 signal-to-noise, which is the limit generally considered acceptable for accurate quantitation by isotope dilution analysis.

PFAS Isotope Dilution/LC-MSMS Method Compliant with Table B-15 of DoD QSM 5.3 (Aqueous)

The samples were extracted and analyzed for a selected list of PFAS using Isotope Dilution and LC-MS/MS compliant with Table B-15 of DoD QSM 5.3. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above the Reporting Limits (RL). The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries for all QC and field samples were within the acceptance criteria.

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
2210131-01	SH-3_1-2_20221012	PFAS Isotope Dilution Table B-15	13C2-PFDoA	H	49.3
2210131-01	SH-3_1-2_20221012	PFAS Isotope Dilution Table B-15	13C2-PFTeDA	H	34.7
2210131-04	B-102_1-2_20221012	PFAS Isotope Dilution Table B-15	13C8-PFOA	H	49.0
2210131-08	SH-3_17.5-18.5_20221012	PFAS Isotope Dilution Table B-15	13C8-PFOA	H	41.6
B22J243-BS1	B22J243-BS1	PFAS Isotope Dilution Table B-15	13C8-PFOA	H	44.4

H = Recovery was outside laboratory acceptance criteria.

TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	4
Sample Inventory.....	5
Analytical Results.....	6
Qualifiers.....	31
Certifications.....	32
Sample Receipt.....	35

Sample Inventory Report



Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2210131-01	SH-3_1-2_20221012	12-Oct-22 08:30	14-Oct-22 10:02	HDPE Jar, 6 oz
2210131-02	SH-4_0.5-1.5_20221012	12-Oct-22 13:10	14-Oct-22 10:02	HDPE Jar, 6 oz
2210131-03	B-101_1-2_20221012	12-Oct-22 09:40	14-Oct-22 10:02	HDPE Jar, 6 oz
2210131-04	B-102_1-2_20221012	12-Oct-22 09:30	14-Oct-22 10:02	HDPE Jar, 6 oz
2210131-05	B-103_1-2_20221012	12-Oct-22 09:48	14-Oct-22 10:02	HDPE Jar, 6 oz
2210131-06	EB-1_20221012	12-Oct-22 15:35	14-Oct-22 10:02	Polypropylene, 250mL Polypropylene, 250mL
2210131-07	TB-1_20221012	12-Oct-22 15:45	14-Oct-22 10:02	Polypropylene, 250mL Polypropylene, 250mL
2210131-08	SH-3_17.5-18.5_20221012	12-Oct-22 09:00	14-Oct-22 10:02	HDPE Jar, 6 oz

ANALYTICAL RESULTS

Sample ID: Method Blank

PFAS Isotope Dilution Table B-15

Client Data	Laboratory Data
Name: Eastern Analytical, Inc.	Lab Sample: B221243-BLK1
Project: 250598 NH	Column: BEH C18
Matrix: Solid	

Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PBBA	375-22-4	ND	0.250		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PFPeA	2706-90-3	ND	0.250		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PFBS	375-73-5	ND	0.250		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
4:2 FTS	757124-72-4	ND	0.500		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PFHxA	307-24-4	ND	0.250		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PFPeS	2706-91-4	ND	0.250		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PFHpA	375-85-9	ND	0.250		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PFHxS	355-46-4	ND	0.250		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
6:2 FTS	27619-97-2	ND	0.500		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PFOA	335-67-1	ND	0.250		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PFHpS	375-92-8	ND	0.500		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PENA	375-95-1	ND	0.250		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PFOSA	754-91-6	ND	0.500		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PFOS	1763-23-1	ND	0.500		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PFDA	335-76-2	ND	0.250		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
8:2 FTS	39108-34-4	ND	0.500		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PENS	68259-12-1	ND	0.500		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
MeFOSAA	2355-31-9	ND	0.250		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
EtFOSAA	2991-50-6	ND	0.250		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PFuHA	2058-94-8	ND	0.500		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PFDS	335-77-3	ND	0.250		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PFDoA	307-55-1	ND	0.250		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PFTDA	72629-94-8	ND	0.250		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
PFTeDA	376-06-7	ND	0.250		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
Labeled Standards									
	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	103	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
13C3-PFPeA	IS	99.4	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
13C3-PFBS	IS	108	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
13C2-4:2 FTS	IS	95.6	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
13C2-PFHxA	IS	104	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
13C4-PFHpA	IS	95.3	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
13C3-PFHxS	IS	88.7	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
13C2-6:2 FTS	IS	103	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
13C2-PFOA	IS	95.6	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
13C5-PFNA	IS	88.5	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
13C8-PFOSA	IS	56.3	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
13C8-PFOS	IS	98.5	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
13C2-PFDA	IS	75.7	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1

Sample ID: Method Blank

PFAS Isotope Dilution Table B-15

Client Data		Laboratory Data	
Name: Eastern Analytical, Inc.	Matrix: Solid	Lab Sample: B221243-BLK1	Column: BEH C18
Project: 250598 NH			

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8-2-FTS	IS	93.4	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
d3-MeFOSAA	IS	75.6	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
d5-EtFOSAA	IS	70.7	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
13C2-PFUnA	IS	70.2	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
13C2-PFD0A	IS	70.2	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1
13C2-PFTeDA	IS	77.3	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:30	1

RL - Reporting Limit
 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR

PFAS Isotope Dilution Table B-15

Client Data

Name: Eastern Analytical, Inc.
Project: 250598 NH

Matrix: Solid

Laboratory Data

Lab Sample: B221243-BS1 Column: BEH C18

Analyte	CAS Number	Amt Found (ug/g)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	5.41	5.00	108	71 - 135		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFPeA	2706-90-3	5.38	5.00	108	69 - 132		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFBS	375-73-5	5.78	5.05	115	72 - 128		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
4:2 FTS	757124-72-4	5.29	5.00	106	62 - 145		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFHxA	307-24-4	5.43	5.00	109	70 - 132		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFPeS	2706-91-4	4.96	5.05	98.1	73 - 123		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFHpA	375-85-9	5.39	5.00	108	71 - 131		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFHxS	355-46-4	3.88	5.00	77.6	67 - 130		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
6:2 FTS	27619-97-2	4.62	5.00	92.4	64 - 140		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFOA	335-67-1	5.26	5.00	105	69 - 133		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFHpS	375-92-8	6.00	5.00	120	70 - 132		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFNA	375-95-1	5.30	5.00	106	72 - 129		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFOSA	754-91-6	5.55	5.00	111	67 - 137		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFOA	1763-23-1	5.84	5.00	117	68 - 136		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFDA	335-76-2	5.34	5.00	107	69 - 133		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
8:2 FTS	39108-34-4	6.32	5.00	126	65 - 137		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFNS	68259-12-1	5.03	5.00	101	69 - 125		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
MeFOSAA	2355-31-9	5.57	5.00	111	63 - 144		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
EtFOSAA	2991-50-6	5.28	5.00	106	61 - 139		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFUnA	2058-94-8	5.42	5.00	108	64 - 136		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFDS	335-77-3	4.63	5.00	92.7	59 - 134		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFDoA	307-55-1	5.38	5.00	108	69 - 135		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFTDA	72629-94-8	5.69	5.00	114	66 - 139		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
PFTeDA	376-06-7	5.36	5.00	107	69 - 133		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
Labeled Standards											
13C3-PFBa		IS		96.1	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
13C3-PFPeA		IS		90.9	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
13C3-PFBs		IS		112	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
13C2-4:2 FTS		IS		101	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
13C2-PFHxA		IS		96.7	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
13C4-PFHxA		IS		91.2	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
13C3-PFHxS		IS		121	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
13C2-6:2 FTS		IS		102	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
13C2-PFOA		IS		94.9	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
13C5-PFNA		IS		84.7	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1

Sample ID: OPR

PFAS Isotope Dilution Table B-15

Client Data

Name: Eastern Analytical, Inc.
Project: 250598 NH

Matrix: Solid

Laboratory Data

Lab Sample: B221243-BS1 Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOSA	IS	44.4	50 - 150	H	B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
13C8-PFOS	IS	77.9	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
13C2-PFDA	IS	75.3	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
13C2-8:2-FTS	IS	83.5	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
d3-MeFOSAA	IS	73.4	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
d5-EtFOSAA	IS	67.0	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
13C2-PFUnA	IS	68.3	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
13C2-PFD ₆ A	IS	64.0	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1
13C2-PFT ₆ DA	IS	72.2	50 - 150		B221243	01-Nov-22	2.00 g	03-Nov-22 18:41	1

Sample ID: SH-3_1-2_20221012

PFAS Isotope Dilution Table B-15

Client Data		Matrix:		Laboratory Data	
Name:	Eastern Analytical, Inc.	Soil		Lab Sample:	2210131-01
Project:	250598 NH	Date Collected:	12-Oct-22 08:30	Date Received:	14-Oct-22 10:02
Location:	250598			% Solids:	84.9
				Column:	BEH C18

Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Sampl Size	Analyzed	Dilution
PBBA	375-22-4	1.10	0.479		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
PFPeA	2706-90-3	1.15	0.479		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
PFBS	375-73-5	0.624	0.479		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
4:2 FTS	757124-72-4	ND	0.957		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
PFHxA	307-24-4	2.69	0.479		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
PFPeS	2706-91-4	1.57	0.479		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
PFHpA	375-85-9	ND	0.479		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
PFHxS	355-46-4	28.5	0.479		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
6:2 FTS	27619-97-2	ND	0.957		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
PFOA	335-67-1	3.45	0.479		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
PFHpS	375-92-8	6.25	0.957		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
PFNA	375-95-1	1.04	0.479		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
PFOSA	754-91-6	ND	0.957	D	B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
PFOs	1763-23-1	964	4.79		B221243	01-Nov-22	1.23 g	07-Nov-22 12:37	5
PFDA	335-76-2	ND	0.479		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
8:2 FTS	39108-34-4	ND	0.957		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
PFNS	68259-12-1	ND	0.957		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
MeFOSAA	2355-31-9	ND	0.479		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
EtFOSAA	2991-50-6	ND	0.479		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
PFUnA	2058-94-8	ND	0.957		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
PFDS	335-77-3	ND	0.479		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
PFDOA	307-55-1	ND	0.479		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
PFtHDA	72629-94-8	ND	0.479		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
PFtEDA	376-06-7	ND	0.479		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
Labeled Standards									
	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Sampl Size	Analyzed	Dilution
13C3-PFBa	IS	87.8	50 - 150		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
13C3-PPeA	IS	81.6	50 - 150		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
13C3-PFBS	IS	91.9	50 - 150		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
13C2-4:2 FTS	IS	90.3	50 - 150		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
13C2-PFHxA	IS	86.6	50 - 150		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
13C4-PFHbA	IS	79.0	50 - 150		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
13C3-PFHxS	IS	86.0	50 - 150		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
13C2-6:2 FTS	IS	75.6	50 - 150		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
13C2-PFOA	IS	80.8	50 - 150		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
13C5-PFNA	IS	70.8	50 - 150		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
13C8-PFOA	IS	50.5	50 - 150		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
13C8-PFOs	IS	89.5	50 - 150	D	B221243	01-Nov-22	1.23 g	07-Nov-22 12:37	5

Sample ID: SH-3_1-2_20221012

PFAS Isotope Dilution Table B-15

Client Data		Laboratory Data	
Name: Eastern Analytical, Inc.	Matrix: Soil	Lab Sample: 2210131-01	Column: BEH C18
Project: 250598 NH	Date Collected: 12-Oct-22 08:30	Date Received: 14-Oct-22 10:02	
Location: 250598		% Solids: 84.9	

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	66.5	50 - 150		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
13C2-8:2 FTS	IS	75.3	50 - 150		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
d3-MeFOSAA	IS	51.0	50 - 150		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
d5-EHfOSAA	IS	53.7	50 - 150		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
13C2-PFUnA	IS	55.5	50 - 150		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
13C2-PFD0A	IS	49.3	50 - 150		B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1
13C2-PFTeDA	IS	34.7	50 - 150	H	B221243	01-Nov-22	1.23 g	03-Nov-22 19:53	1

RL - Reporting limit
 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to RL.
 When reported, PFHxS, PFOA, PFOS, MeFOSAA and EHfOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SH-4_0-5-1.5_20221012

PFAS Isotope Dilution Table B-15

Client Data		Laboratory Data	
Name: Eastern Analytical, Inc.	Matrix: Soil	Lab Sample: 2210131-02	Column: BEH C18
Project: 250598 NH	Date Collected: 12-Oct-22 13:10	Date Received: 14-Oct-22 10:02	
Location: 250598		% Solids: 83.6	

Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PEBA	375-22-4	ND	0.490		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PEPeA	2706-90-3	ND	0.490		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PFBS	375-73-5	ND	0.490		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
4:2 FTS	757124-72-4	ND	0.981		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PFHxA	307-24-4	ND	0.490		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PFPeS	2706-91-4	ND	0.490		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PFHpA	375-85-9	ND	0.490		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PFHxS	355-46-4	1.48	0.490		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
6:2 FTS	27619-97-2	ND	0.981		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PFOA	335-67-1	ND	0.490		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PFHpS	375-92-8	ND	0.981		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PFNA	375-95-1	ND	0.490		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PFOSA	754-91-6	3.03	0.981		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PFOs	1763-23-1	4.38	0.981		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PFDA	335-76-2	ND	0.490		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
8:2 FTS	39108-34-4	3.36	0.981		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PFNS	68259-12-1	ND	0.981		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
MeFOSAA	2355-31-9	0.501	0.490		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
EtFOSAA	2991-50-6	ND	0.490		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PFUnA	2058-94-8	ND	0.981		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PFDS	335-77-3	ND	0.490		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PFDoA	307-55-1	ND	0.490		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PFtDA	72629-94-8	ND	0.490		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
PFtDA	376-06-7	0.501	0.490		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBa	IS	108	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
13C3-PPeA	IS	104	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
13C3-PFBs	IS	114	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
13C2-4:2 FTS	IS	112	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
13C2-PFHxA	IS	104	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
13C4-PFHxA	IS	109	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
13C3-PFHxS	IS	103	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
13C2-6:2 FTS	IS	95.9	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
13C2-PFOA	IS	103	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
13C5-PFNA	IS	100	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
13C8-PFOA	IS	73.2	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
13C8-PFOs	IS	102	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1

Sample ID: SH-4_0.5-1.5_20221012

PFAS Isotope Dilution Table B-15

Client Data				Laboratory Data					
Name:	Eastern Analytical, Inc.	Matrix:	Soil	Lab Sample:	2210131-02	Column:	BEH C18		
Project:	250598 NH	Date Collected:	12-Oct-22 13:10	Date Received:	14-Oct-22 10:02				
Location:	250598			% Solids:	83.6				
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	92.4	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
13C2-8-2-FTS	IS	101	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
d3-MeFOSAA	IS	82.6	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
d5-EtFOSAA	IS	86.9	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
13C2-PFUnA	IS	89.7	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
13C2-PFD0A	IS	94.1	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1
13C2-PFT8DA	IS	80.9	50 - 150		B221243	01-Nov-22	1.22 g	07-Nov-22 12:47	1

RT - Reporting limit
The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: B-101_1-2_20221012

PFAS Isotope Dilution Table B-15

Client Data
 Name: Eastern Analytical, Inc.
 Project: 250598 NH
 Location: 250598

Laboratory Data
 Lab Sample: 2210131-03
 Date Received: 14-Oct-22 10:02
 % Solids: 97.3

Matrix: Soil
Date Collected: 12-Oct-22 09:40
Column: BEH C18

Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Sampl Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.480		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFPeA	2706-90-3	ND	0.480		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFBS	375-73-5	ND	0.480		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
4:2 FTS	757124-72-4	ND	0.961		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFHxA	307-24-4	ND	0.480		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFPeS	2706-91-4	ND	0.480		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFHpA	375-85-9	ND	0.480		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFHxS	355-46-4	0.779	0.480		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
6:2 FTS	27619-97-2	ND	0.961		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFOA	335-67-1	ND	0.480		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFHps	375-92-8	ND	0.961		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFNA	375-95-1	ND	0.480		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFOSA	754-91-6	ND	0.961		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFOS	1763-23-1	13.2	0.961		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFDA	335-76-2	ND	0.480		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
8:2 FTS	39108-34-4	ND	0.961		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFNS	68259-12-1	ND	0.961		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
MeFOSAA	2355-31-9	ND	0.480		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
EtFOSAA	2991-50-6	ND	0.480		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFUnA	2058-94-8	ND	0.961		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFDS	335-77-3	ND	0.480		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFDoA	307-55-1	ND	0.480		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFTtDA	72629-94-8	ND	0.480		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
PFTeDA	376-06-7	ND	0.480		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
Labeled Standards									
	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Sampl Size	Analyzed	Dilution
13C3-PFBA	IS	101	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
13C3-PPPeA	IS	98.5	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
13C3-PFBS	IS	117	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
13C2-4:2 FTS	IS	101	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
13C2-PFHxA	IS	103	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
13C4-PFHpA	IS	95.1	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
13C3-PFHxS	IS	116	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
13C2-6:2 FTS	IS	109	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
13C2-PFOA	IS	92.7	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
13C5-PFNA	IS	84.6	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
13C8-PFOA	IS	51.2	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
13C8-PFOS	IS	105	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1

Sample ID: B-101_1-2_20221012

PFAS Isotope Dilution Table B-15

Client Data			Laboratory Data		
Name:	Eastern Analytical, Inc.	Matrix:	Soil	Lab Sample:	2210131-03
Project:	250598 NH	Date Collected:	12-Oct-22 09:40	Date Received:	14-Oct-22 10:02
Location:	250598			% Solids:	97.3
				Column:	BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	82.9	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
13C2-8:2 FTS	IS	102	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
d3-MeFOSAA	IS	76.2	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
d5-EtFOSAA	IS	83.2	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
13C2-PFUnA	IS	80.1	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
13C2-PFD0A	IS	79.0	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1
13C2-PTeDA	IS	83.3	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:14	1

RL - Reporting limit
 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to RL.

When reported, PTHs, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: B-102_1-2_20221012

PFAS Isotope Dilution Table B-15

Client Data			Matrix:			Laboratory Data			
Name:	Eastern Analytical, Inc.		Soil		Lab Sample:	2210131-04	Column:	BEH C18	
Project:	250598 NH		Date Collected:	12-Oct-22 09:30	Date Received:	14-Oct-22 10:02			
Location:	250598				% Solids:	94.6			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Sampl Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.494		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFPeA	2706-90-3	ND	0.494		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFBS	375-73-5	ND	0.494		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
4:2 FTS	757124-72-4	ND	0.988		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFHxA	307-24-4	ND	0.494		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFPeS	2706-91-4	ND	0.494		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFHpA	375-85-9	ND	0.494		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFHxS	355-46-4	0.790	0.494		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
6:2 FTS	27619-97-2	ND	0.988		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFnOA	335-67-1	ND	0.494		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFHps	375-92-8	ND	0.988		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFNA	375-95-1	ND	0.494		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFOSA	754-91-6	ND	0.988		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFOS	1763-23-1	6.64	0.988		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFDA	335-76-2	ND	0.494		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
8:2 FTS	39108-34-4	ND	0.988		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFNS	68259-12-1	ND	0.988		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
MeFOSAA	2355-31-9	ND	0.494		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
EtFOSAA	2991-50-6	ND	0.494		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFUnA	2058-94-8	ND	0.988		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFDS	335-77-3	ND	0.494		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFDoA	307-55-1	ND	0.494		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFTDA	72629-94-8	ND	0.494		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
PFTeDA	376-06-7	ND	0.494		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Sampl Size	Analyzed	Dilution
13C3-PFBA	IS	92.3	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
13C3-PFPeA	IS	91.6	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
13C3-PFBS	IS	92.0	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
13C2-4:2 FTS	IS	95.1	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
13C2-PFHxA	IS	93.9	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
13C4-PFHpA	IS	85.2	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
13C3-PFHxS	IS	89.6	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
13C2-6:2 FTS	IS	93.5	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
13C2-PFOA	IS	84.1	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
13C5-PFNA	IS	76.0	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
13C8-PFOA	IS	49.0	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
13C8-PFOS	IS	83.1	50 - 150	H	B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1

Sample ID: B-102_1-2_20221012

PFAS Isotope Dilution Table B-15

Client Data				Laboratory Data					
Name:	Eastern Analytical, Inc.	Matrix:	Soil	Lab Sample:	2210131-04	Column:	BEH C18		
Project:	250598 NH	Date Collected:	12-Oct-22 09:30	Date Received:	14-Oct-22 10:02				
Location:	250598			% Solids:	94.6				
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	74.9	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
13C2-8-2 FTS	IS	91.5	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
d3-MeFOSAA	IS	75.7	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
d5-EFOSAA	IS	70.0	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
13C2-PFUnA	IS	79.9	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
13C2-PFD0A	IS	74.3	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1
13C2-PFTdDA	IS	61.3	50 - 150		B221243	01-Nov-22	1.07 g	03-Nov-22 20:25	1

RL - Reporting limit
The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

When reported, PTHs, PFOA, PFOS, MeFOSAA and EFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: B-103_1-2_20221012

PFAS Isotope Dilution Table B-15

Client Data		Laboratory Data	
Name: Eastern Analytical, Inc.	Matrix: Soil	Lab Sample: 2210131-05	Column: BEH C18
Project: 250598 NH	Date Collected: 12-Oct-22 09:48	Date Received: 14-Oct-22 10:02	
Location: 250598		% Solids: 83.6	

Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Sampl Size	Analyzed	Dilution
PFBA	375-22-4	1.73	0.498		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PFPeA	2706-90-3	1.36	0.498		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PFBS	375-73-5	ND	0.498		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
4:2 FTS	757124-72-4	ND	0.997		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PFHxA	307-24-4	1.07	0.498		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PFPeS	2706-91-4	ND	0.498		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PFHpA	375-85-9	0.551	0.498		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PFHxS	355-46-4	4.30	0.498		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
6:2 FTS	27619-97-2	ND	0.997		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PFOA	335-67-1	1.90	0.498		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PFHps	375-92-8	ND	0.997		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PfNA	375-95-1	2.92	0.498		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PFOSA	754-91-6	ND	0.997		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PFOS	1763-23-1	81.6	0.997		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PFDA	335-76-2	0.561	0.498		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
8:2 FTS	39108-34-4	ND	0.997		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PFNS	68259-12-1	ND	0.997		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
MeFOSAA	2355-31-9	ND	0.498		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
EtFOSAA	2991-50-6	ND	0.498		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PFUnA	2058-94-8	ND	0.997		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PFDS	335-77-3	ND	0.498		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PFDoA	307-55-1	ND	0.498		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PFTDA	72629-94-8	ND	0.498		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
PFTeDA	376-06-7	ND	0.498		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Sampl Size	Analyzed	Dilution
13C3-PFBA	IS	108	50 - 150		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
13C3-PFPeA	IS	106	50 - 150		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
13C3-PFBS	IS	124	50 - 150		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
13C2-4:2 FTS	IS	107	50 - 150		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
13C2-PFHxA	IS	108	50 - 150		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
13C4-PFHxA	IS	100	50 - 150		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
13C3-PFHxS	IS	107	50 - 150		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
13C2-6:2 FTS	IS	110	50 - 150		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
13C2-PFOA	IS	98.5	50 - 150		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
13C5-PFNA	IS	90.9	50 - 150		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
13C8-PFOA	IS	54.5	50 - 150		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1
13C8-PFOS	IS	114	50 - 150		B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1



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Sample ID: B-103_1-2_20221012

PFAS Isotope Dilution Table B-15

Client Data		Laboratory Data	
Name: Eastern Analytical, Inc.	Matrix: Soil	Lab Sample: 2210131-05	Column: BEH C18
Project: 250598 NH	Date Collected: 12-Oct-22 09:48	Date Received: 14-Oct-22 10:02	
Location: 250598		% Solids: 83.6	

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	89.0	50 - 150	B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1	
13C2-8-2-FTS	IS	99.3	50 - 150	B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1	
d3-MeFOSAA	IS	91.6	50 - 150	B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1	
d5-EFOSAA	IS	84.0	50 - 150	B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1	
13C2-PFUnA	IS	93.7	50 - 150	B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1	
13C2-PFD0A	IS	82.8	50 - 150	B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1	
13C2-PFTeDA	IS	60.8	50 - 150	B221243	01-Nov-22	1.20 g	03-Nov-22 20:35	1	

RL - Reporting Limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SH-3_17-5-18.5_20221012

PFAS Isotope Dilution Table B-15

Client Data		Laboratory Data	
Name: Eastern Analytical, Inc.	Matrix: Soil	Lab Sample: 2210131-08	Column: BEH C18
Project: 250598 NH	Date Collected: 12-Oct-22 09:00	Date Received: 14-Oct-22 10:02	
Location: 250598		% Solids: 97.8	

Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Sampl Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.497		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFPeA	2706-90-3	ND	0.497		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFBS	375-73-5	ND	0.497		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
4:2 FTS	757124-72-4	ND	0.993		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFHxA	307-24-4	ND	0.497		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFPeS	2706-91-4	ND	0.497		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFHpA	375-85-9	ND	0.497		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFHxS	355-46-4	3.90	0.497		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
6:2 FTS	27619-97-2	ND	0.993		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFOA	335-67-1	0.748	0.497		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFHpS	375-92-8	ND	0.993		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFNA	375-95-1	ND	0.497		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFOSA	754-91-6	ND	0.993		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFOS	1763-23-1	6.51	0.993		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFDA	335-76-2	ND	0.497		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
8:2 FTS	39108-34-4	ND	0.993		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFNS	68259-12-1	ND	0.993		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
MeFOSAA	2355-31-9	ND	0.497		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
EtFOSAA	2991-50-6	ND	0.497		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFUnA	2058-94-8	ND	0.993		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFDS	335-77-3	ND	0.497		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFDoA	307-55-1	ND	0.497		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFTDA	72629-94-8	ND	0.497		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
PFTeDA	376-06-7	ND	0.497		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Sampl Size	Analyzed	Dilution
13C3-PFBA	IS	104	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
13C3-PFPeA	IS	102	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
13C3-PFBS	IS	134	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
13C2-4:2 FTS	IS	106	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
13C2-PFHxA	IS	103	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
13C4-PFHpA	IS	95.0	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
13C3-PFHxS	IS	106	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
13C2-6:2 FTS	IS	103	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
13C2-PFOA	IS	97.4	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
13C5-PFNA	IS	87.6	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
13C8-PFOA	IS	41.6	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
13C8-PFOS	IS	105	50 - 150	H	B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1

Sample ID: SH-3_17.5-18.5_20221012

PFAS Isotope Dilution Table B-15

Client Data				Laboratory Data					
Name:	Eastern Analytical, Inc.	Matrix:	Soil	Lab Sample:	2210131-08	Column:	BEH C18		
Project:	250598 NH	Date Collected:	12-Oct-22 09:00	Date Received:	14-Oct-22 10:02				
Location:	250598			% Solids:	97.8				
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	75.6	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
13C2-8:2 FTS	IS	89.1	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
d3-MeFOSAA	IS	66.6	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
d5-EHFOsAA	IS	64.1	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
13C2-PFUa	IS	71.0	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
13C2-PFD0A	IS	63.4	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1
13C2-PFTeDA	IS	68.1	50 - 150		B221243	01-Nov-22	1.03 g	03-Nov-22 20:45	1

RL - Reporting limit
The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EHFOsAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: Method Blank

PFAS Isotope Dilution Table B-15

Client Data
 Name: Eastern Analytical, Inc.
 Project: 250598 NH
 Matrix: Aqueous

Laboratory Data
 Lab Sample: B22J125-BLK1
 Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Sampl Size	Analyzed	Dilution
PFBA	375-22-4	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PFPeA	2706-90-3	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PFBS	375-73-5	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
4:2 FTS	757124-72-4	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PFHxA	307-24-4	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PFPeS	2706-91-4	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PFHpA	375-85-9	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PFHxS	355-46-4	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
6:2 FTS	27619-97-2	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PFOA	335-67-1	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PFHpS	375-92-8	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PFNA	375-95-1	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PFOSA	754-91-6	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PFOA	1763-23-1	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
8:2 FTS	335-76-2	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PFOA	39108-34-4	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PENS	68259-12-1	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
MeFOSAA	2355-31-9	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
EtFOSAA	2991-50-6	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PFuHA	2058-94-8	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PFDS	335-77-3	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PFDoA	307-55-1	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PFtDA	72629-94-8	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
PFtDA	376-06-7	ND	2.00		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
Labeled Standards									
	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Sampl Size	Analyzed	Dilution
13C3-PFBa	IS	93.5	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
13C3-PFPeA	IS	102	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
13C3-PFBS	IS	110	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
13C2-4:2 FTS	IS	123	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
13C2-PFHxA	IS	114	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
13C4-PFHxA	IS	107	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
13C3-PFHxS	IS	104	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
13C2-6:2 FTS	IS	112	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
13C2-PFOA	IS	114	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
13C5-PFNA	IS	107	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
13C8-PFOA	IS	85.8	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
13C8-PFOS	IS	104	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
13C2-PFtDA	IS	109	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1

Sample ID: Method Blank

PFAS Isotope Dilution Table B-15

Client Data		Laboratory Data	
Name: Eastern Analytical, Inc.	Matrix: Aqueous	Lab Sample: B22J125-BLK1	Column: BEH C18
Project: 250598 NH			

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8-2-FTS	IS	108	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
d3-MeFOSAA	IS	95.8	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
d5-EtFOSAA	IS	96.3	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
13C2-PFUnA	IS	104	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
13C2-PFD0A	IS	95.1	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1
13C2-PFTeDA	IS	93.1	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 15:55	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR

PFAS Isotope Dilution Table B-15

Client Data
Name: Eastern Analytical, Inc.
Project: 250598 NH

Laboratory Data
Matrix: Aqueous
Lab Sample: B221125-BS1
Column: BEH C18

Analyte	CAS Number	Amt Found (ug/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
Labeled Standards											
Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
13C3-PFBa	IS	79.2	50 - 150	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1		
13C3-PFPeA	IS	87.5	50 - 150	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1		
13C3-PFBs	IS	99.3	50 - 150	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1		
13C2-4:2 FTS	IS	100	50 - 150	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1		
13C2-PFHxA	IS	91.5	50 - 150	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1		
13C4-PFHdA	IS	88.6	50 - 150	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1		
13C3-PFHxS	IS	83.4	50 - 150	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1		
13C2-6:2 FTS	IS	87.2	50 - 150	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1		
13C2-PFOA	IS	92.9	50 - 150	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1		
13C5-PFNA	IS	92.8	50 - 150	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1		
PFBA	375-22-4	40.2	40.0	100	73 - 129	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFPeA	2706-90-3	38.9	40.0	97.3	72 - 129	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFBS	375-73-5	39.9	40.4	98.7	72 - 130	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
4:2 FTS	757124-72-4	38.7	40.0	96.6	63 - 143	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFHxA	307-24-4	39.9	40.0	99.7	72 - 129	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFPeS	2706-91-4	38.7	40.4	95.8	71 - 127	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFHpA	375-85-9	40.0	40.0	100	72 - 130	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFHxS	355-46-4	43.3	40.0	108	68 - 131	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
6:2 FTS	27619-97-2	46.7	40.0	117	64 - 140	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFOA	335-67-1	40.6	40.0	101	71 - 133	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFHpS	375-92-8	36.1	40.0	90.1	69 - 134	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFNA	375-95-1	36.1	40.0	90.3	69 - 130	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFOSA	754-91-6	38.0	40.0	95.1	67 - 137	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFOs	1763-23-1	39.8	40.0	99.4	65 - 140	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFDA	335-76-2	39.7	40.0	99.2	71 - 129	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
8:2 FTS	39108-34-4	40.3	40.0	101	67 - 138	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFNS	68259-12-1	38.5	40.0	96.4	69 - 127	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
MeFOSAA	2355-31-9	37.6	40.0	94.0	65 - 136	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
EtFOSAA	2991-50-6	37.5	40.0	93.8	61 - 135	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFUnA	2058-94-8	42.0	40.0	105	69 - 133	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFDS	335-77-3	39.3	40.0	98.2	53 - 142	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFDoA	307-55-1	41.5	40.0	104	72 - 134	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFTdA	72629-94-8	40.8	40.0	102	65 - 144	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1
PFTeDA	376-06-7	41.0	40.0	103	71 - 132	B221125	28-Oct-22	0.250 L	02-Nov-22	16:05	1

Sample ID: OPR

PFAS Isotope Dilution Table B-15

Client Data

Name: Eastern Analytical, Inc.
Project: 250598 NH

Matrix: Aqueous

Laboratory Data

Lab Sample: B22J125-BS1 Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOA	IS	70.6	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 16:05	1
13C8-PFOS	IS	85.1	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 16:05	1
13C2-PFDA	IS	89.1	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 16:05	1
13C2-8:2 FTS	IS	89.9	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 16:05	1
d3-MeFOSAA	IS	87.7	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 16:05	1
d5-EtFOSAA	IS	87.7	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 16:05	1
13C2-PFUnA	IS	81.9	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 16:05	1
13C2-PFD0A	IS	79.8	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 16:05	1
13C2-PFTeDA	IS	72.1	50 - 150		B22J125	28-Oct-22	0.250 L	02-Nov-22 16:05	1

Sample ID: EB-1_20221012

PFAS Isotope Dilution Table B-15

Client Data
 Name: Eastern Analytical, Inc.
 Project: 250598 NH
 Location: 250598

Laboratory Data
 Lab Sample: 2210131-06
 Date Received: 14-Oct-22 10:02

Matrix: Aqueous
 Date Collected: 12-Oct-22 15:35
 Column: BEH C18

Analyte	CAS Number	Conc. (ug/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PEBA	375-22-4	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PEPeA	2706-90-3	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PEBS	375-73-5	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
4:2 FTS	757124-72-4	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PFHxA	307-24-4	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PFPeS	2706-91-4	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PFHpA	375-85-9	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PFHxS	355-46-4	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
6:2 FTS	27619-97-2	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PFOA	335-67-1	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PFHpS	375-92-8	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PFNA	375-95-1	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PFOSA	754-91-6	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PFOs	1763-23-1	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PFDA	335-76-2	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
8:2 FTS	39108-34-4	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PFNS	68259-12-1	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
MeFOSAA	2355-31-9	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
EtFOSAA	2991-50-6	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PFUnA	2058-94-8	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PFDS	335-77-3	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PFDOA	307-55-1	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PFTrDA	72629-94-8	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
PFTeDA	376-06-7	ND	2.02		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBa	IS	124	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
13C3-PPeA	IS	133	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
13C3-PFBs	IS	120	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
13C2-4:2 FTS	IS	131	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
13C2-PFHxA	IS	114	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
13C4-PFHxA	IS	112	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
13C3-PFHxS	IS	111	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
13C2-6:2 FTS	IS	106	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
13C2-PFOA	IS	109	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
13C5-PFNA	IS	125	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
13C8-PFOSA	IS	76.9	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
13C8-PFOs	IS	114	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1

Sample ID: EB-1_20221012

PFAS Isotope Dilution Table B-15

Client Data			Laboratory Data		
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2210131-06
Project:	250598 NH	Date Collected:	12-Oct-22 15:35	Date Received:	14-Oct-22 10:02
Location:	250598			Column:	BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	110	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
13C2-8-2 FTS	IS	100	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
d3-MeFOSAA	IS	114	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
d5-EtFOSAA	IS	102	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
13C2-PFuHA	IS	110	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
13C2-PFD0A	IS	108	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1
13C2-PFT8DA	IS	102	50 - 150		B22J125	28-Oct-22	0.247 L	02-Nov-22 00:07	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: TB-1_20221012

PFAS Isotope Dilution Table B-15

Client Data		Laboratory Data	
Name: Eastern Analytical, Inc.	Matrix: Aqueous	Lab Sample: 2210131-07	Column: BEH C18
Project: 250598 NH	Date Collected: 12-Oct-22 15:45	Date Received: 14-Oct-22 10:02	
Location: 250598			

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFPeA	2706-90-3	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFBS	375-73-5	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
4:2 FTS	757124-72-4	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFHxA	307-24-4	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFPeS	2706-91-4	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFHpA	375-85-9	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFHxS	355-46-4	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
6:2 FTS	27619-97-2	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFOA	335-67-1	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFHpS	375-92-8	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFNA	375-95-1	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFOSA	754-91-6	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFOA	1763-23-1	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFOA	335-76-2	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFDA	39108-34-4	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
8:2 FTS	68259-12-1	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFNS	2355-31-9	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
MeFOSAA	2991-50-6	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
EtFOSAA	2058-94-8	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFUnA	335-77-3	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFDS	307-55-1	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFDOa	72629-94-8	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFTHDA	376-06-7	ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
PFTeDA		ND	2.01		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	124	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
13C3-PFPeA	IS	135	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
13C3-PFBS	IS	128	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
13C2-4:2 FTS	IS	120	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
13C2-PFHxA	IS	119	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
13C4-PFHxA	IS	119	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
13C3-PFHxS	IS	117	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
13C2-6:2 FTS	IS	97.1	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
13C2-PFOA	IS	117	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
13C5-PFNA	IS	131	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
13C8-PFOA	IS	81.1	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
13C8-PFOA	IS	115	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1

Sample ID: TB-1_20221012

PFAS Isotope Dilution Table B-15

Client Data			Laboratory Data		
Name:	Eastern Analytical, Inc.	Matrix:	Aqueous	Lab Sample:	2210131-07
Project:	250598 NH	Date Collected:	12-Oct-22 15:45	Date Received:	14-Oct-22 10:02
Location:	250598			Column:	BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFDA	IS	116	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
13C2-8:2 FTS	IS	120	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
43-MeFOSAA	IS	108	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
45-EFOSAA	IS	97.1	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
13C2-PFUnA	IS	111	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
13C2-PFD0A	IS	114	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1
13C2-PFTeDA	IS	112	50 - 150		B22J125	28-Oct-22	0.248 L	02-Nov-22 00:18	1

RL - Reporting limit
Results reported to RL.

When reported, PTHs, PFOA, PFOS, MeFOSAA and EFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Pennsylvania Department of Environmental Protection	018
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p- Dioxins & Polychlorinated Dibenzofurans	EPA 23
Polychlorinated Dibenzodioxins in Ambient Air by GC/HRMS	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613/1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537.1
Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry	EPA 533
Perfluorooctanesulphonate (PFOS) and Perfluorooctanoate (PFOA) - Method for Unfiltered Samples Using Solid Phase Extraction and Liquid Chromatography/Mass Spectrometry	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

CHAIN-OF-CUSTODY RECORD

2210131



Eastern Analytical, Inc.
Professional Laboratory and Drilling Services

EAL ID# 250598

Page 2

Sample ID Date Sampled Matrix Parameters

Sample Notes

B-103_1-2_20221012 | 10/12/2022 | soil | Subcontract - Perfluorinated Compounds EPA Method 537 modified
09:48

EB-1_20221012 | 10/12/2022 | aqueous | Subcontract - Perfluorinated Compounds EPA Method 537 modified
15:35

TB-1_20221012 | 10/12/2022 | aqueous | Subcontract - Perfluorinated Compounds EPA Method 537 modified
15:45

SH-3_17.5 | 10/12/2022 | soil | Subcontract - Perfluorinated Compounds EPA Method 537 modified
-18.5_20221012 | 09:00

EAL ID# 250598 Project State: NH

Project ID:

Results Needed: Preferred Date: Standard

RUSH Due Date: _____

QC Deliverables

A A+ B B+ C MA MCP

Notes about project:

Email login confirmation, pdf of results and invoice to customerservice@easternanalytical.com.

24 PFAS Compounds

Company Vista Analytical Laboratory
Address 1104 Windfield Way
Address El Dorado Hills, CA 95762
Account #
Phone # (916) 673-1520

PO #: 58434

EAL ID# 250598

Data Deliverable (circle)

Excel NH EMD EQUIS ME EGAD

Call prior to analyzing, if RUSH charges will be applied.

Samples Collected by:

M. Williams 10/13/22 *TRAC UPS*

Relinquished by *MS* Date/Time 10/14/22 1002 Received by *MS*

Relinquished by _____ Date/Time _____ Received by _____

Eastern Analytical, Inc. 51 Antim Ave Concord, NH 03301

Phone: (603)228-0525 1-800-287-0525

customerservice@easternanalytical.com

As a subcontract lab to EAL, you will defend, indemnify and hold Eastern Analytical, Inc., its officers, employees, and agents harmless from and against any and all liability, loss, expense or claims for injury or damages arising out of the performance against this chain of custody but only in proportion to and to the extent such liability, loss, expense, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of you as a subcontract lab, your officers, agents or employees
Work Order 2210131

2210131

Amherst - PFAS Compound List

Analyte Name	CAS #	Analyte
Perfluorobutanoic acid	375-22-4	PFBA
Perfluoropentanoic acid	2706-90-3	PFPeA
Perfluorobutanesulfonic acid	375-73-5	PFBS
Perfluorohexanoic acid	307-24-4	PFHxA
Perfluoroheptanoic acid	375-85-9	PFHpA
Perfluorohexanesulfonic acid	355-46-4	PFHxS
6:2 Fluorotelomer sulfonic acid	27619-97-2	6:2-FTS
Perfluorooctanoic acid	355-67-1	PFOA
Perfluoroheptanesulfonic acid	375-92-8	PFHpS
Perfluorooctanesulfonic acid	1763-23-1	PFOS
Perfluorononanoic acid	375-95-1	PFNA
Perfluorodecanoic acid	335-76-2	PFDA
8:2 Fluorotelomer sulfonic acid	39108-34-4	8:2-FTS
Perfluorooctane sulfonamide	754-91-6	PFOSA
Perfluorodecanesulfonic acid	335-77-3	PFDS
Perfluoroundecanoic acid	2058-94-8	PFUnA/PFUdA
Perfluorododecanoic acid	307-55-1	PFDoA
Perfluorotridecanoic acid	72629-94-8	PFTTrDA
Perfluorotetradecanoic acid	376-06-7	PFTeDA
N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	EtFOSAA
N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	MeFOSAA
4:2 Fluorotelomer sulfonic acid	757124-72-4	4:2-FTS
Perfluoropentane sulfonic acid	2706-91-4	PFPeS
Perfluorononane sulfonic acid	68259-12-1	PFNS

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2210131 TAT std

Samples Arrival:	Date/Time 10/14/22 1002	Initials: WWS	Location: WR-2 Shelf/Rack: N/A				
Delivered By:	FedEx	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	Ice	Blue Ice	Techni Ice	Dry Ice	None		
Temp °C:	1.3 (uncorrected)	Probe used: Y / (N)			Thermometer ID: IR-3		
Temp °C:	1.2 (corrected)						

	YES	NO	NA			
Shipping Container(s) Intact?	✓					
Shipping Custody Seals Intact?			✓			
Airbill <u>---</u> Trk # <u>1Z XHG 500 01 9704</u>	✓					
Shipping Documentation Present?	✓					
Shipping Container	Vista	Client	Retain	Return	Dispose	
Chain of Custody / Sample Documentation Present?	✓					
Chain of Custody / Sample Documentation Complete?	✓					
Holding Time Acceptable?	✓					
Logged In:	Date/Time 10/14/22 1148	Initials: WWS	Location: R-13, WR-2 Shelf/Rack: A-1, B-5, A-3			
COC Anomaly/Sample Acceptance Form completed?				✓	✓	

Comments:

CoC/Label Reconciliation Report WO# 2210131

LabNumber	CoC Sample ID	Sample Alias	Sample Date/Time	Container	Base Matrix	Sample Comments
2210131-01	A SH-3_1-2_20221012	250598	12-Oct-22 08:30	HDPE Jar, 6 oz	Solid	
2210131-02	A SH-4_0.5-1.5_20221012	250598	12-Oct-22 13:10	HDPE Jar, 6 oz	Solid	
2210131-03	A B-101_1-2_20221012	250598	12-Oct-22 09:40	HDPE Jar, 6 oz	Solid	
2210131-04	A B-102_1-2_20221012	250598	12-Oct-22 09:30	HDPE Jar, 6 oz	Solid	
2210131-05	A B-103_1-2_20221012	250598	12-Oct-22 09:48	HDPE Jar, 6 oz	Solid	
2210131-06	A EB-1_20221012	250598	12-Oct-22 15:35	Polypropylene, 250mL	Aqueous	
2210131-06	B EB-1_20221012	250598	12-Oct-22 15:35	Polypropylene, 250mL	Aqueous	
2210131-07	A TB-1_20221012	250598	12-Oct-22 15:45	Polypropylene, 250mL	Aqueous	
2210131-07	B TB-1_20221012	250598	12-Oct-22 15:45	Polypropylene, 250mL	Aqueous	
2210131-08	A SH-3_17.5-18.5_20221012	250598	12-Oct-22 09:00	HDPE Jar, 6 oz	Solid	

Checkmarks indicate that information on the CoC reconciled with the sample label.
 Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample Custody Seals Intact?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Adequate Sample Volume?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Container Type Appropriate for Analysis(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

Trizma T6
 Trizma T5

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None Other

Verified by/Date: BAC 10/14/22

Amherst - PFAS Compound List

Analyte Name	CAS #	Analyte
Perfluorobutanoic acid	375-22-4	PFBA
Perfluoropentanoic acid	2706-90-3	PFPeA
Perfluorobutanesulfonic acid	375-73-5	PFBS
Perfluorohexanoic acid	307-24-4	PFHxA
Perfluoroheptanoic acid	375-85-9	PFHpA
Perfluorohexanesulfonic acid	355-46-4	PFHxS
6:2 Fluorotelomer sulfonic acid	27619-97-2	6:2-FTS
Perfluorooctanoic acid	355-67-1	PFOA
Perfluoroheptanesulfonic acid	375-92-8	PFHpS
Perfluorooctanesulfonic acid	1763-23-1	PFOS
Perfluorononanoic acid	375-95-1	PFNA
Perfluorodecanoic acid	335-76-2	PFDA
8:2 Fluorotelomer sulfonic acid	39108-34-4	8:2-FTS
Perfluorooctane sulfonamide	754-91-6	PFOSA
Perfluorodecanesulfonic acid	335-77-3	PFDS
Perfluoroundecanoic acid	2058-94-8	PFUnA/PFUdA
Perfluorododecanoic acid	307-55-1	PFDoA
Perfluorotridecanoic acid	72629-94-8	PFTTrDA
Perfluorotetradecanoic acid	376-06-7	PFTeDA
N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	EtFOSAA
N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	MeFOSAA
4:2 Fluorotelomer sulfonic acid	757124-72-4	4:2-FTS
Perfluoropentane sulfonic acid	2706-91-4	PFPeS
Perfluorononane sulfonic acid	68259-12-1	PFNS

Appendix H

EMD

EMD Data Table
NHDES #202203049
Amherst Fire Station
Amherst, NH

Address	Station ID	Sample Date	Sample Type	Concentrations in ng/L																							
				Perfluoroalkyl Carboxylic Acids									Perfluoroalkyl Sulfonic Acids					Fluorotelomers			Per- and Polyfluoroalkyl Ether Carboxylic Acids					Additional Substances	
				Perfluorobutanoic Acid (PFBA) [3]	Perfluoropentanoic Acid (PFPeA) [4]	Perfluorohexanoic Acid (PFHxA) [5]	Perfluoroheptanoic Acid (PFHpA) [6]	Perfluorooctanoic Acid (PFOA) [7]	Perfluorononanoic Acid (PFNA) [8]	Perfluorodecanoic Acid (PFDA) [9]	Perfluoroundecanoic Acid (PFUnA) [10]	Perfluorododecanoic Acid (PFDoA) [11]	Perfluorobutanesulfonic Acid (PFBS) [4S]	Perfluoropentanesulfonic Acid (PFPeS) [5S]	Perfluorohexanesulfonic Acid (PFHxS) [6S]	Perfluoroheptanesulfonic Acid (PFHpS) [7S]	Perfluorooctanesulfonic Acid (PFOS) [8S]	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1H,1H,2H,2H-Perfluorodecane sulfonic Acid (8:2FTS)	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoic acid (HFPO-DA)	4,8-dioxa-3h-perfluorononanoic acid (ADONA)	Perfluoro-3-methoxypropanoic Acid (PFMPA)	Perfluoro-4-methoxybutanoic Acid (PFMBA)	Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA)	9-chlorohexadecafluoro-3-oxanonone-1-sulfonic acid (9Cl-PF3ONS)	11-chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)
CAS Number	375-22-4	2706-90-3	307-24-4	375-85-9	335-67-1	375-95-1	335-76-2	2058-94-8	307-55-1	375-73-5	2706-91-4	355-46-4	375-92-8	1763-23-1	757124-72-4	27619-97-2	39108-34-4	13252-13-6	919005-14-4	377-73-1	863090-89-5	151772-58-6	756426-58-1	763051-92-9	113507-82-7		
NHDES AGQS/GW-1				NS	NS	NS	NS	12	11	NS	NS	NS	NS	18	NS	15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
169 Amherst St	MTBE_9530	02/16/22	N	1.8 Z	2.4 Z	2.8 Z	1.6 Z	7.4 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	3 Z	<1.8 Z	2.2 Z	<1.8 Z	6.2 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	
169 Amherst St	MTBE_9530_DW	02/16/22	N	<4.6 Z	2.3 Z	2.8 Z	1.5 Z	7 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	3.1 Z	<1.8 Z	2.1 Z	<1.8 Z	3.3 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	
13 Baboosic Lake Rd	MTBE_10684	08/23/22	N	3.22	3.88	3.81	2.18	9.41	<1.83	<1.83	<1.83	<1.83	4.25	0.381 J	1.42 J	<1.83	5.75	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83	
14 Baboosic Lake Rd	MTBE_18411	07/08/22	N	1.98	2.6 J	3.04	2.7	14.5	<1.88	<1.88	<1.88	<1.88	2.03	0.33 J	1.39 J	<1.88	3.91	0.225 J	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	
15 Baboosic Lake Rd	MTBE_18259	02/11/22	N	1.27 J	1.24 J	1.12 J	0.675 J	3.94	<1.87	<1.87	<1.87	<1.87	1.12 J	<1.87	0.9 J	<1.87	1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	
17 Baboosic Lake Rd	MTBE_18158	11/18/21	N	2.5 J	1.7 J	1.4 J	1.2 J	7	<1.8	<1.8	<1.8	<1.8	3.7	<1.8	0.81 J	<1.8	2.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	
17 Baboosic Lake Rd	MTBE_18158_DW	11/18/21	N	3 J	2	1.8	1.4 J	8.7	<1.8	<1.8	<1.8	<1.8	4.5	<1.8	0.96 J	<1.8	3.5	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	
1 Cobbler Ln	MTBE_17295	06/27/22	N	3.09	9.82	14.3	4.7	12.9	0.396 J	<1.77	<1.77	<1.77	16.1	16.9	112	3.96	148	0.47 J	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	
2 Cobbler Ln	MTBE_9527	02/15/22	N	6.27	17.2	23.5	6.08	18.9	0.623 J	<1.83	<1.83	<1.83	22	25.4	154	5.61	224	0.77 J	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83	
3 Cobbler Ln	MTBE_9602	04/25/22	N	8.9	21	37	7.3	18	0.27 J	<1.9	<1.9	<1.9	42	46	250	9.3	380	1.3 J	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	
3 Cobbler Ln	MTBE_9602_DW	04/25/22	N	9.2	21	38	7.3	18	0.32 J	<1.9	<1.9	<1.9	41	47	250	9	380	1.3 J	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	
4 Cobbler Ln	MTBE_19307	04/27/22	N	10 Z	29 Z	43 Z	10 Z	27 Z	0.65 Z	<1.9 Z	<1.9 Z	<1.9 Z	47 Z	68 Z	410 Z	13 Z	540 Z	3.4 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	
5 Cobbler Ln	MTBE_9605	04/25/22	N	2.8	5.3	8.8	2.2	5.9	<1.9	<1.9	<1.9	<1.9	15	13	65	1.8 J	71	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	
5 Cobbler Ln	MTBE_9605_DW	04/25/22	N	2.9	5.1	8.7	2.1	5.7	<1.9	<1.9	<1.9	<1.9	16	13	66	1.8 J	69	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	
37 Courthouse Rd	MTBE_9727	09/29/22	N	1.55 J	2.75 J	4.28	1.88	7.1	<1.81	<1.81	<1.81	<1.81	7.1	5.94	41.7	2.55	64.9	<1.81	<1.81	<1.81	<1.81	<1.81	<1.81	<1.81	<1.81	<1.81	
1 Limbo Ln	MTBE_17304	07/12/22	N	1.07 J	0.728 J	0.709 J	0.839 J	4.75	<1.92	<1.92	<1.92	<1.92	0.812 J	0.163 J	0.674 J	<1.92	0.923 J	0.269 J	<1.92	<1.92	<1.92	<1.92	<1.92	<1.92	<1.92	<1.92	
1 Limbo Ln	MTBE_17304_DW	07/12/22	N	1.15 J	0.802 J	0.708 J	0.783 J	5.06	<1.98	<1.98	<1.98	<1.98	0.83 J	0.156 J	0.692 J	<1.98	0.87 J	0.344 J	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	
3 Limbo Ln	MTBE_10604	04/19/22	N	<4.4 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	0.91 Z	<1.8 Z	0.73 Z	<1.8 Z	1 Z	2.1 Z	<1.8 Z	4 BZ	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	
3 Limbo Ln	MTBE_10604_DW	04/19/22	N	<4.2 Z	<1.7 Z	<1.7 Z	<1.7 Z	<1.7 Z	<1.7 Z	<1.7 Z	<1.7 Z	<1.7 Z	0.81 Z	<1.7 Z	0.69 Z	<1.7 Z	0.92 Z	<1.7 Z	<1.7 Z	3.9 BZ	<1.7 Z	<1.7 Z	<1.7 Z	<1.7 Z	<1.7 Z	<1.7 Z	
4 Limbo Ln	MTBE_16797	07/11/22	N	0.328 J	0.696 J	0.769 J	0.455 J	2.31	<1.67	<1.67	<1.67	<1.67	0.395 J	<1.67	0.421 J	<1.67	0.779 J	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	
23 Manchester Rd	MTBE_10498	01/14/22	N	1.4 J	1.36 J	1.59 J	<1.89	2.68	<1.89	<1.89	<1.89	<1.89	0.832 J	<1.89	1.62 J	<1.89	2.72	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	
24 Manchester Rd	MTBE_17300	06/29/22	N	2.97	3.62	4.34	2.14	5.91	<1.79	<1.79	<1.79	<1.79	1.48 J	0.231 J	0.552 J	<1.79	0.556 J	<1.79	0.199 J	<1.79	<1.79	<1.79	<1.79	<1.79	<1.79	<1.79	
26 Manchester Rd	MTBE_9421	10/22/21	N	3.08	2.26	3.76	2.33	14.4	<1.88	<1.88	<1.88	<1.88	2.18	<1.88	1.81 J	<1.88	4.7	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	
26 Manchester Rd	MTBE_9421_DW	10/22/21	N	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	
27 Manchester Rd	MTBE_18221	01/18/22	N	1.2 J	1.51 J	1.2 J	1.09 J	4.66	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	0.737 J	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	
30 Manchester Rd	MTBE_18316	03/29/22	N	<4.8 Z	0.78 Z	0.58 Z	<1.9 Z	0.75 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	
30 Manchester Rd	MTBE_18316	03/29/22	FD	<4.7 Z	0.78 Z	0.63 Z	<1.9 Z	0.66 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	
32 Manchester Rd	MTBE_18157	11/18/21	N	2.7 J	1.9	1.9	2.1	15	<1.8	<1.8	<1.8	<1.8	0.78 J	<1.8	1 J	<1.8	1.4 J	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	

**EMD Data Table
NHDES #202203049
Amherst Fire Station
Amherst, NH**

32 Manchester Rd	MTBE_18157_DW	11/18/21	N	<4.6	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<9.2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
3 Narraganset Rd	MTBE_18308	03/22/22	N	2.6 Z	1.5 Z	1.5 Z	1.4 Z	8.6 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	11 Z	0.69 Z	4.7 Z	<1.8 Z	3.2 Z	<9.2 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z	<1.8 Z
5 Narraganset Rd	MTBE_9685	08/10/22	N	0.69 J	<3.65	0.504 J	0.401 J	2.48	<1.82	<1.82	<1.82	<1.82	2.22	<1.82	0.361 J	<1.82	0.606 J	0.207 J	0.206 J	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82	<1.82
5 Narraganset Rd	MTBE_9685_DW	08/10/22	N	0.277 J	<3.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
7 Narraganset Rd	MTBE_10647	06/28/22	N	1.4 J	3.04 J	4.49	1.76	8.85	0.491 J	<1.74	<1.74	<1.74	1.13 J	<1.74	0.323 J	<1.74	1.3 J	<1.74	0.166 J	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74
1 Pettingale Rd	MTBE_18153	11/15/21	N	1.73 J	2.32	3.61	2.91	14.9	0.736 J	<1.84	<1.84	<1.84	2.94	<1.84	0.957 J	<1.84	39.2	<1.84	<1.84	<1.84	<1.84	<1.84	<1.84	<1.84	<1.84	<1.84	<1.84
1 Pettingale Rd	MTBE_18153	11/15/21	FD	1.62 J	2.28	3.05	2.54	15	0.849 J	<1.93	<1.93	<1.93	2.97	<1.93	1.2 J	<1.93	37.1	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93	<1.93
1 Pettingale Rd	MTBE_18153_DW	11/15/21	N	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85
2 Pettingale Rd	MTBE_18273	02/17/22	N	2.8 Z	1.9 Z	1.4 Z	1.2 Z	7.5 Z	<2 Z	<2 Z	<2 Z	<2 Z	3.3 Z	<2 Z	1.2 Z	<2 Z	4.9 Z	<9.9 Z	<2 Z	<2 Z	<2 Z	<2 Z	<2 Z	<2 Z	<2 Z	<2 Z	<2 Z
3 Pettingale Rd	MTBE_16695	02/24/22	N	4 Z	3.8 Z	3.9 Z	1.8 Z	9.4 Z	<2 Z	<2 Z	<2 Z	<2 Z	7 Z	<2 Z	1.7 Z	<2 Z	7.3 Z	<10 Z	<2 Z	<2 Z	<2 Z	<2 Z	<2 Z	<2 Z	<2 Z	<2 Z	<2 Z
4 Pettingale Rd	MTBE_17301	06/29/22	N	1.25 J	2.45 J	2.66	2.01	12.6	<1.81	<1.81	<1.81	<1.81	3.46	0.422 J	2.09	<1.81	4.48	<1.81	<1.81	<1.81	<1.81	<1.81	<1.81	<1.81	<1.81	<1.81	<1.81
1 Thatcher Dr	MTBE_16780	06/29/22	N	0.839 J	3.69	2.3	0.724 J	3.66	<1.79	<1.79	<1.79	<1.79	1.46 J	0.158 J	0.882 J	<1.79	0.842 J	<1.79	0.216 J	<1.79	<1.79	<1.79	<1.79	<1.79	<1.79	<1.79	<1.79
2 Thatcher Dr	MTBE_16778	06/23/22	N	1.42 J	1.65 J	1.98	1.51 J	7.12	<1.87	<1.87	<1.87	<1.87	2.4	<1.87	0.775 J	<1.87	1.66 J	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87
3 Thatcher Dr	MTBE_17297	06/27/22	N	0.968 J	7.44	2.68	0.609 J	3.01	<1.78	<1.78	<1.78	<1.78	1.37 J	0.189 J	0.961 J	<1.78	0.655 J	<1.78	<1.78	<1.78	<1.78	<1.78	<1.78	<1.78	<1.78	<1.78	<1.78
4 Thatcher Dr	MTBE_17296	06/27/22	N	1.74 J	2.73 J	2.78	1.83 J	7.47	<1.89	<1.89	<1.89	<1.89	2.54	0.166 J	0.981 J	<1.89	1.48 J	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89
5 Thatcher Dr	MTBE_19306_DW	04/27/22	N	1.3 J	1.3 J	1.7 J	1 J	4.9	<1.9	<1.9	<1.9	<1.9	1.1 J	<1.9	0.69 J	<1.9	1.1 J	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
5 Thatcher Dr	MTBE_19306_DW2	04/27/22	N	1.3 Z	1.3 Z	1.6 Z	1 Z	4.7 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	1.2 Z	<1.9 Z	0.66 Z	<1.9 Z	1.1 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z	<1.9 Z
6 Thatcher Dr	MTBE_19303	04/27/22	N	4.6	12	17	4.4	14	0.37 J	<1.9	<1.9	<1.9	16	21	130	4	190	1.7 J	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
6 Thatcher Dr	MTBE_19303_DW	04/27/22	N	3.1 Z	16 Z	19 Z	6.4 Z	17 Z	1.7 Z	1.1 Z	0.47 Z	0.38 Z	19 Z	21 Z	140 Z	3 Z	190 Z	5 Z	<2 Z	<2 Z	0.22 Z	<2 Z	<2 Z	<2 Z	<2 Z	<2 Z	<2 Z
7 Thatcher Dr	MTBE_10638	05/26/22	N	1.8	5.1	5.4	2	8	<1.7	<1.7	<1.7	<1.7	6	5	28	0.85 J	28	0.53 J	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
7 Thatcher Dr	MTBE_10638_DW	05/26/22	N	1.9	5.2	5.5	2.1	8.1	<1.8	<1.8	<1.8	<1.8	6	5.1	28	0.82 J	26	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
8 Thatcher Dr	MTBE_16745	06/01/22	N	9.4	30	43	9.6	24	0.54 J	<1.8	<1.8	<1.8	50	70	350	14	450 E	2.4	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
8 Thatcher Dr	MTBE_16745_DW	06/01/22	N	9.5	30	43	9.2	23	0.39 J	<1.8	<1.8	<1.8	50	68	340	13	430 E	2.7	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
8 Thornton Ferry Rd I	MTBE_10625	05/09/22	N	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	0.56 J	0.2 J	<2	<2	<2	<2	<2	<2	<2	<2
8 Thornton Ferry Rd I	MTBE_10625_DW	05/09/22	N	<2	<3.9	<2	<2	<2	<2	<2	<2	<2	6.2	<2	<2	<2	<2	0.32 J	<2	<2	<2	<2	<2	<2	<2	<2	<2
17 Thornton Ferry Rd I	MTBE_16693	02/22/22	N	1.76 J	2.16	3.22	1.13 J	3.73	<1.83	<1.83	<1.83	<1.83	9.11	6.62	34.3	0.732 J	13	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83

Notes:

- PFAS data was provided from the New Hampshire Department of Environmental Services (NHDES) Environmental Monitoring Database (EMD) on 10/31/2022 for locations within a quarter-mile radius of the center point of the site with the exception of 37 Courthouse Rd and 8 & 17 Thornton Ferry Rd I. Addresses were not originally included with the EMD PFAS data. Addresses were assigned from the "NH Parcel Mosaic" shapefile provided by New Hampshire GRANIT GIS Clearinghouse and managed by NHGRANIT, last updated 1/6/2022. Qualifier definitions are provided as presented in the EMD dataset. Where multiple results were present for an analyte due to reanalysis, the highest concentration is shown. A sample type of "N" indicates a normal primary sample. A sample type of "FD" indicates a field duplicate sample.
- Concentrations are presented in nanograms per liter (ng/L) which are equivalent to parts per trillion (ppt).
- "<" indicates the analyte was not detected above the indicated laboratory reporting limit (RL).
 "ND" indicates the analyte was not detected.
 "J" indicates result is less than the reporting limit but greater than or equal to the method detection limit (MDL) and the concentration is an approximate value.
 "Z" indicates see report for qualifier details.
 "B" indicates compound was found in the blank and sample.
 "E" indicates estimated result or QC outlier.
 A blank cell indicates the sample was not analyzed for this analyte.
 [3] = number of carbons in the alkyl chain for perfluorinated carboxylic acids (PFCAs). The carbon included in the carboxylic functional group is non-fluorinated and the remaining carbons (i.e., alkyl chain) are fluorinated.
 [4S] = number of carbons in the alkyl chain for perfluorinated sulfonic acids (PFSAs). All of the carbons are fluorinated.
- "GW-1" Groundwater Standards are from the New Hampshire Department of Environmental Services (NHDES) Contaminated Sites Risk Characterization and Management Policy (RCMP) (January 1998, with 2000 through 2018 revisions/addenda). GW-1 Groundwater Standards are intended to be equivalent to the Ambient Groundwater Quality Standards (AGQSs) promulgated in Env-Or 600 (June 2015 with October 2016, September 2018, September 2019, May 2020, January 2021, and July 2021 amendments). For analytes where GW-1 and AGQS values differ, the values presented in this table reflect the AGQSs in the latest Env-Or 600 update. The AGQS/GW-1 Groundwater Standards are intended to be protective of groundwater as a source of drinking water.
- "NS" indicates the analyte is not listed in the RCMP.
- Gray shaded values exceed the MCL/GW-1 (AGQS) Groundwater Standard.