Environmental Assessment
Souther Farms Solar LLC

in

Livermore Falls, ME

Proposed Borrower: Aligned Solar Partners 4 LLC
Manager/Applicant: Aligned Climate Capital LLC
Project Developer & EPC: ReVision Energy, Inc.

U.S. Department of Agriculture Rural Utilities Service (RUS)

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ACRONYMS AND ABBREVIATIONS

APE	Area of Potential Effects
ASP4	Aligned Solar Partners 4 LLC
BMPs	Best Management Practices
CMP	Central Maine Power
CZMA	Coastal Zone Management Area
DEP	Department of Environmental Protection
DEQ	Department of Environmental Quality
EJ	Environmental Justice
EMF	Electromagnetic Fields
EPA	Environmental Protection Agency
ESA	Endangered Species Act
E&S	Environmental & Social
FAA	Federal Aviation Administration
FCIR	Farmland Conversion Impact Rating
FEMA	Federal Emergency Management Agency
GHGs	Greenhouse Gases
HUD	Housing and Urban Development
IPAC	Information for Planning and Consultation
KW	Kilowatts
KWDC	kilowatt, direct current
kWh	kilowatt-hours
MBTA	Migratory Bird Treaty Act
MHPC	Maine Historic Preservation Commission
NEPA	National Environmental Policy Act
NRCS	Natural Resources Conservation Service
NWI	National Wetland Inventory
O&M	Operations & Maintenance
PPA	Power Purchase Agreement
PUC	Public Utilities Commission
PV	Photovoltaics
RECs	Recognized Environmental Conditions
RUS	Rural Utilities Services
TDAT	Tribal Directory Assessment Tool
USACE	U.S. Army Corps of Engineers
USDA	U.S. Department of Agriculture
USFWS	U.S. Fish & Wildlife Services
VAC	Voltage, Alternating Current
VDC	Voltage, Direct Current

1. INTRODUCTION

1.1 Background

Aligned Climate Capital LLC (Aligned) initiated a loan application to the U.S. Department of Agriculture's (USDA) Rural Utilities Service (RUS) to secure a guaranteed loan on behalf of Aligned Solar Partners 4 LLC (ASP4), a single purpose entity created to own and operate solar photovoltaic projects in Maine and New Hampshire. ASP4 is the proposed borrower.

This environmental assessment is provided to support RUS's NEPA review pursuant to the National Environmental Policy Act (NEPA) of the Souther Farms Solar Project (Souther Farms Solar), which is one of the proposed solar generating assets ASP4 is seeking to finance with RUS debt.

Aligned has executed a Term Sheet with ReVision Energy, Inc. (ReVision) to develop and construct this project, which will be a 5,124 kilowatt (kWDC) solar photovoltaic generating unit. Souther Farms Solar will sell its renewable energy generation to the Town of Camden Schools District, Five Town CSD, the Town of Hope, ME, and Regional School Districts numbers 5 and 73 under 25-year Power Purchase Agreements (PPA).

Souther Farms Solar is located at 86 Souther Road, Livermore Falls, ME 04254 on private property that will be leased by the project for the purposes of constructing and operating the solar array. The borrower and this project received its full rural determination from RUS on July 2, 2019.

In order to qualify for RUS financing, Aligned recognizes that the RUS must comply with the requirements of NEPA, pursuant to 7 CFR 1970.

1.2 Project Description

The Souther Farms Solar project involves the construction of a 5,124 kWDC solar photovoltaic (PV) array located at the 86 Souther Road, Livermore Falls, ME 04254. The project would cover a 20.02-acre solar farm on a portion of a of a larger 72.42-acre parcel. The larger parcel is identified on the Town of Livermore Falls Property Map 10 as Parcel 5 and is currently privately owned. The prior owner still operates the farm on the premises.

Project components include the installation of 29 rows of photovoltaic panel arrays ground-mounted on single-axis tracking solar racking equipment (Reference Section 1.2.1 and 1.2.2 for more information). Souther Farms Solar will be constructed over an approximately 10-month period, and its construction will proceed through typical steps of overall site preparation, driven posts, racking assemblies, subsurface trenching, transformer and switchgear installation, module and inverter installations, final site finishing, perimeter fencing installation to enclose the arrays, vegetative buffers/ screening, necessary stormwater management Best Management Practices (BMPs), and commissioning. The project will not require drilling a well as a water source but will

require a gravel access road to provide maintenance vehicles adequate access to the project. The project will interconnect at Pole#14 on 58 Souther Rd, Livermore Falls, ME for the purposes of metering the electricity generation, which will then be credited to the offtakers under the terms of the Power Purchase Agreements (PPAs). The project site and the offtakers are located within the Central Maine Power (CMP) service territory.

The proposed project would operate seven days per week during daylight hours. Operational activities would consist of monitoring system operation to track status, performance, and diagnostics. Operations activities would include meter reading and production reporting, along with updating operations and maintenance (O&M) manuals. The project will be fenced to prevent access by the public to ensure public safety and protect equipment from theft and vandalism.

The solar field would be inspected once annually for condition of the arrays, inverters, and controls. Damaged or underperforming solar modules would be repaired and replaced as required and as flagged by the monitoring system. No on-site lighting will be present after construction.

The land would be limited to 20.02-acres (leased area) during construction. The final project area will also include a chain link fence perimeter for protection.

1.2.1. Project Layout

The layout of the PV array is shown in the Site Plan (Appendix 1). The PV panels will be laid out in 29 rows of varying lengths. Galvanized steel racking will be mounted on driven piles, with the solar PV modules mounted 2 up (portrait mode) oriented at 195.54° azimuth tilted at 35° from level. Inverters will be mounted on the back of the racking.

Each row is connected via underground conduit to a pad mounted combiner panel located to the southeast of the array which is fed by an adjacent dedicated transformer. The transformer feeding the combiner panel is connected at primary voltage to the CMP electric distribution grid.

1.2.2. Project Design & Specifications

The project electrical design is provided in the One Line schematic diagram (Appendix 2). Project electric design follows standard string inverter design for a nominal 5,124 kWDC. Each of 26 inverters will have approximately 20 strings of 27 modules connected, operating at a maximum of 1500VDC. All DC conductors will be copper, suitable to their application. All DC and AC equipment will be rated for its intended use and certified for exposed site conditions in Maine. All inverters will carry manufacturer warranty to 12 years and all solar modules will carry manufacturer warranty to 25 years. Project mechanical design is for driven hot-dipped galvanized steel piles supporting an electro-galvanized steel finish mounting structure; site conditions will be determined by a lateral, static, and axial load analysis of driven test piles determine embedment depth of structural foundation piles. Module layout is 2 high in portrait, at an elevation angle of 35. The

modules will be oriented at 195.54 degrees to the azimuth. The point of Interconnection to primary electrical distribution will be through the dedicated, 2000kVA service-grade transformers. All components, wiring methods, and protection hardware will be to National Electrical Code 2014 standards as adopted by the State of Maine, and subject to such inspection as deemed required by Authorities Having Jurisdiction which include both the State of Maine and the Town of Livermore Falls, Maine.

Souther Farms Solar will utilize the following equipment, which will comply with USDA's Buy American and other relevant requirements:

Item	Size	Manufacturer/Model
Solar Modules	355 watt 375 watt	REC 355TP25 72XV (355W) (7,020) REC 375TP25 72M (375W) (7,020)
Inverters	150 kW	SMA Sunny HighPower Peak3 150k, SHP-150-US-20 (600Vac) (26)
Racking (Ground)		RBI Fixed Tilt (Drive Pile, 72-Cell)
Interconnection		2000A Transformer (2)
Monitoring		Locus LGate 360
Fencing		Chain link fence surrounding the array

Panels and inverters listed are subject to market availability; replacement equipment, if necessary, would comply with USDA's Buy American and other relevant requirements. Final equipment specifications will depend upon market availability.

1.3 Purpose and Need

The purpose of the project is to provide clean renewable energy to the existing electrical grid for the purposes of improving the natural and human environment. The State of Maine established ambitious renewable energy goals to be achieved by 2030 and those goals can only be meant through cooperation with private projects. As a result, electrical utility providers have been requesting development of renewable energy projects from private entities to help meet or exceed the goal set by the state government. Aligned agreed to construct this project to limit greenhouse gas emissions through the generation of solar energy while providing renewable energy generation to the Town of Camden Schools District, Five Town CSD, the Town of Hope, ME, and Regional School Districts numbers 5 and 73, under 25-year PPAs. Souther Farms Solar generates electricity from solar PV

modules without emitting any criteria air pollutants or greenhouse gas emissions. By displacing a portion of the School Districts' existing electrical demand from fossil fuel generation, the project reduces both criteria air pollutants and greenhouse gas emissions.

Moreover, the project generates all of its electricity by converting solar irradiance (sunshine) into electrical energy using the PV panels. There is no secondary fuel source. The project will interconnect to the grid pursuant to the Maine Public Utilities Commission (PUC) rules, chapter 324. Solar power generated by the system will offset the electric generation mix currently serving the School Districts, which includes coal and natural gas-fired power plants, hydroelectric dams, and variety of other generation facilities serving the Independent System Operator-New England region.

2. ALTERNATIVES

2.1 Site Alternatives

ReVision considered its sites through a process of elimination which involved a wide area search, which was then further refined based on a set of established criteria. Specifically, a substation level review of parcels within a certain radius from each existing substation associated with the existing grid was completed and isolated parcels that had workable topography, few streams or wetlands (based on database and GIS information), no floodplain, and sufficient acreage were selected.

Once a viable lease was established with the property owner, ReVision conducted site specific constraint analyses and preliminary reviews of existing environmental conditions with the objective of refining a proposed site plan through design layout alterations based on the findings of those site-specific reviews. The project areas were refined following completion of on-site wetland delineations and reviews of endangered species, historic resource concerns, and environmental site assessment information to ensure minimal disturbance to environmental and historic resources.

In summary, ReVision evaluated various property alternatives through an iterative approach which started with a coarse scale identification of physical properties which met location requirements near existing infrastructure, then was further narrowed down using topography and readily available wetland and floodplain mapping information. Of the properties with suitable acreage, only properties where landowners were amenable to leasing were pursued and site-specific site layouts were then refined based on the results of on-the-ground evaluations. While this approach does not specifically allow for a discrete listing of specific parcels reviewed and eliminated, dozens of properties were initially evaluated using this process before the subject site was selected. Site-specific avoidance and minimization measures were then employed by the design team to avoid wetlands, streams, or other sensitive environmental concerns, of which there were few on the subject site due to the initial process of elimination. As such, the selected site and layout is considered the least environmentally damaging practicable alternative to achieve the project purpose.

2.2 Proposed Action

This project involves the construction of a 20.02-acre solar farm on a portion of a larger 72.42-acre property. Project components include the installation of PV panel arrays ground-mounted on single-axis tracking solar racking equipment. The project will be constructed over an approximately 10-month period beginning in March 2021 with an estimated completion date of December 2021. Construction will proceed through typical steps of overall site preparation, driven posts, racking assemblies, subsurface trenching, transformer and switchgear installation, module and inverter installations, final site finishing, perimeter fencing installation to enclose the arrays, vegetative buffers/screening, necessary stormwater management BMPs, and commissioning. The project will not require drilling a well as a water source but will require a gravel access road to provide maintenance vehicles adequate access to the project. Proposed grading has been minimized through the use of driven piles for the mounting poles which will therefore reduce excavation and earth disturbance. The project has been sited to avoid floodplains, wetlands, streams, minimize clearing, and planned to be situated on land that is currently used as agricultural land for hay crops and grazing.

2.3 No Action Alternative

The "no action alternative" would not provide benefits to the human environment nor provide a clean renewable energy alternative to other energy sources. The overall objective of the project is to provide clean energy to reduce the environmental impact of fossil fuel emissions. The No Action alternative would not realize this environmental benefit. As discussed throughout the remainder of this report, no significant adverse impacts are expected to the environment as a result of the proposed project. As such, the No Action alternative would not have less of an environmental impact than the preferred alternative of constructing the project as proposed.

3. AFFECTED ENVIRONMENT

3.1 Land Use

As stated above, the proposed Souther Farms Solar project will be located on private property leased for the purposes of constructing and operating the array. This property is immediately adjacent to roads and working farms. As a result, the property has been previously developed and disturbed. The land is currently used as agricultural land for hay crops and grazing. A total of 20.02 acres are proposed to be leased for the proposed solar arrays and the remainder of the larger 72.42-acre parcel will remain in agricultural use. In general, the project is located within a rural residential and agricultural area of Livermore Falls, ME. No known master plans or other development plans are known to exist for this

part of the County and the site and surrounding area has been rural residential and agricultural since at least the 1950s.

3.1.1. Important Farmland

Affected Environment

The site is located in a rural area within Livermore Falls, ME (Androscoggin County) and is currently developed pastureland. According to the USDA National Cooperative Soil Survey website, the site is located within an area designated as farmland of statewide importance or as prime farmland. This designation is based on the mapped soil type at the site and surrounding areas (Appendix 3).

Environmental Consequences

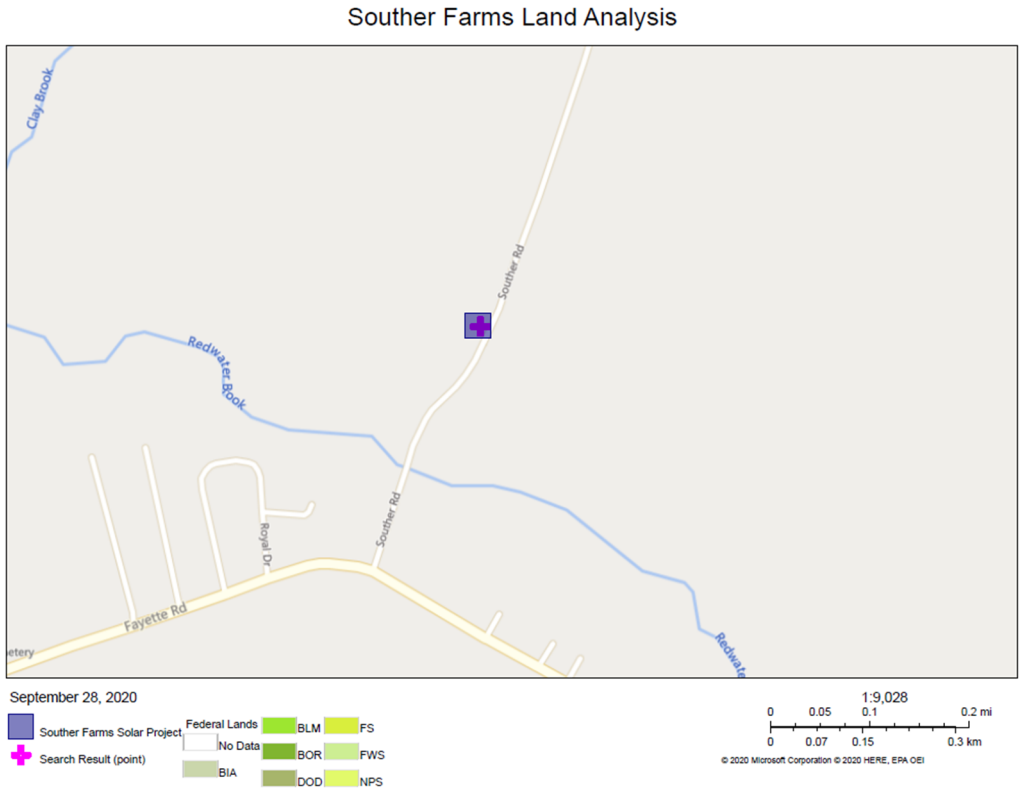
As a result of the presence of farmland and the proposed conversion to a non-agricultural use, Aligned worked with Maine's Natural Resources Conservation Service (NRCS) local field office to generate a USDA NRCS Soil Report and to complete the AD-1006 form. The proposed site resulted in a Farmland Conversion Impact Rating (FCIR) of 110. As the values from Sections V and VI for the project site does not equal or exceed 160 points, this project is not precluded from conversion of important farmland to non-agriculture uses. The FCIR form is attached as Appendix 4. Furthermore, ReVision has requested all necessary permits from the Maine Department of Environmental Protection (MDEP) and respective municipalities. To date, the project has received its stormwater permit, building permit, approved site plan, and signed planning board approval. ASP4 will not acquire or construct the Souther Farms Solar project unless relevant and required permits are approved.

3.1.2. Formally Classified Land

Affected Environment

The proposed project site is not located on any property designated as a National Park, National Forest, Wilderness Area, State Park, or State Forest according to the data provided by the U.S. Environmental Protection Agency's (EPA) NEPAssist tool (https://nepassisttool.epa.gov/nepassist/nepamap.aspx), included as Appendix 5 and provided as Figure 1 below.

Figure 1: Land Analysis for Souther Farms Solar



Environmental Consequences

Based Aligned's review of the proposed Souther Farms Solar project and the U.S. National Map, the project would not affect any formally classified land.

3.2 Floodplains

Affected Environment

Aligned reviewed the Federal Emergency Management Agency's (FEMA) floodplain maps (http://msc.fema.gov/portal) to evaluate whether the project was sited on a floodplain or would have any impact on such geography. As indicated in the full FEMA floodplain map attached to this report (Appendix 6) and the detail of that map with the project location highlighted in Figure 2, the project is not located on a floodplain and will not adversely impact any floodplains. This was one of the initial site selection criteria (avoidance of floodplains) and all appropriate and required stormwater quantity controls will be established so that no off-site flooding will occur.

Figure 2: FEMA Floodplain Map Project Overlay

Environmental Consequences

Based on the review of the floodplain maps, no environmental consequences to floodplains associated with the project are expected and additional analysis of floodplain impacts (i.e. 8-step decision making process) is not necessary.

3.3 Wetlands

Affected Environment

Aligned reviewed the National Wetland Inventory (NWI) Map available from the U.S. Fish and Wildlife Services (USFWS) (http://www.fws.gov/wetlands) to evaluate whether Souther Farms Solar is located on or adjacent to any wetlands. As indicated in the full USFWS wetlands map attached to this report (Appendix 7), the NWI map suggests that

there is a wetland area inside the Project Site. Specifically, a small freshwater pond has been identified onsite.

Environmental Consequences

Based on site inspections, correspondence with USFWS and theU.S. Army Corps of Engineers (USACE), and a Phase I Environmental Assessment, no wetlands were identified on the proposed site. Nonetheless, the project boundary has been drawn to include vegetative buffers on the proposed development plan, located between the solar arrays and the freshwater pond, as early design proposals included the pond as a potential concern. Additionally, no construction is proposed to impact the identified pond and construction BMPs will be implemented throughout the completion of this project, including ground stabilization for dust control, appropriate ground coverings to prevent runoffs, and the installation of sediment barriers, where applicable. This project will not involve any wetland fill and other environmentally disruptive activity related to the freshwater pond. As a result, no permit authorization is required from local, state, or federal authorities and an 8-step decision making process for wetland impacts is not necessary.

Figure 3: USFWS Wetlands Inventory Project Overlay

3.4 Water Resources

Affected Environment

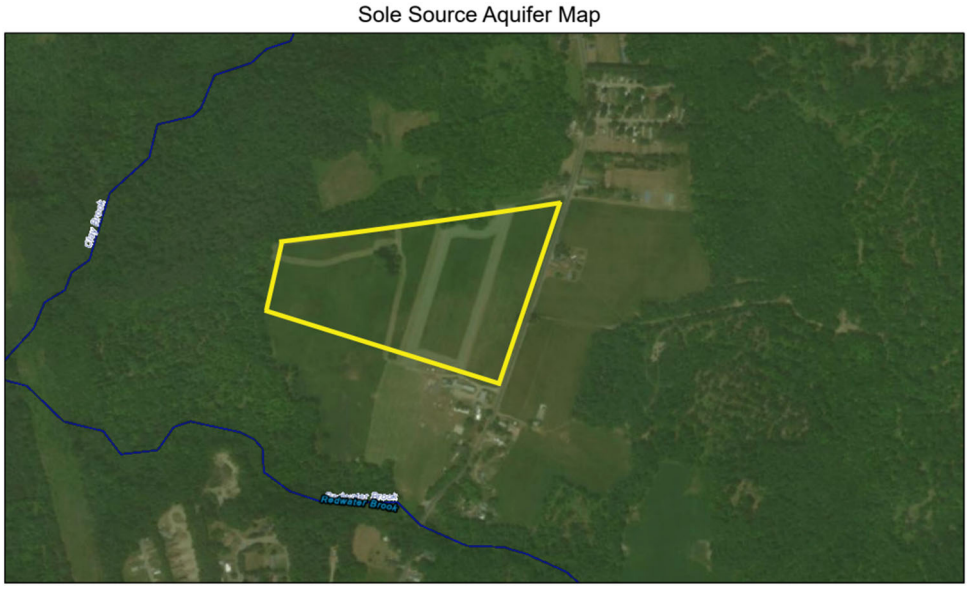
The site is not located in an area identified by the EPA as a sole source aquifer and there are no Wild or Scenic Rivers on or near the project site (Appendix 8). According to the Land Analysis Map (Appendix 3), the nearest surface water bodies are Redwater Brook and Clay Brook. Redwater Brook is located approximately 0.15 miles south of the site

while Clay Brook is located approximately 0.19 miles northwest of the site. Additionally, the NWI map depicts a freshwater water pond within the site boundary (Appendix 7).

Environmental Consequences

Based Aligned's review, no impacts to water quality are expected as a result of the proposed work. The stormwater management controls during and post-construction will be designed to meet or exceed local and state regulations and will therefore be protective of local water quality. All required design reviews and permits will be obtained prior to construction as part of the plan review and approval process. The site plan (Appendix 1) currently proposes stormwater BMPs of the site which will manage both stormwater quantity and quality in accordance with local, state, and federal regulations. Adequate and appropriate erosion and sediment controls during construction of the project will also be implemented as needed. Moreover, silt fences, gravel construction entrances, and other best management practices will be implemented. If needed, an erosion and sediment control plan will be prepared and will be implemented in compliance with County MDEP requirements. During land disturbance activities, routine inspections will be conducted to ensure erosion and sediment controls are adequate and functioning properly. No direct or indirect impacts to waters, either onsite or offsite, are proposed.

Figure 4: EPA Sole Source Aquifer Project Overlay



3.5 Coastal Resources

Affected Environment

In Maine, the Coastal Zone Management Area (CZMA) includes all towns on tidewaters and all islands. Maine has not listed RUS financing or solar power generation in its list of activities that require CZMA review pursuant under its Coastal Management Plan

(https://coast.noaa.gov/czm/consistency/media/me.pdf). Accordingly, because there are no foreseeable coast impacts and because solar is not a listed activity, USDA has no obligation to seek a coastal zone consultation per §1971.709(c)(2).

Environmental Consequences

The project is not located within an area subject to the Coastal Zone Management Act. Therefore, coastal resources would not be affected.

3.6 Biological Resources

3.6.1. Fish, Wildlife, and Vegetation Resources

Affected Environment

The project site is an existing agricultural field and has been managed as such since at least the 1950s. The open and previously disturbed pastureland provides no natural habitat for wildlife. Vegetation within the project area consists of grasses and hay crops, which provide minimal ecological functions or values. In general, the actively farmed and managed nature of the project site results in minimal wildlife habitat and vegetative resources being present on the site.

Environmental Consequences

The project will have no adverse impacts to fish or aquatic life as surface waters will be minimized to the greatest extent practical in the development of the solar arrays. Although the site provides minimal wildlife habitat, some wildlife may be displaced from the immediate area due to construction noise and human presence during construction. However, this is not expected to have a significant impact on wildlife. Areas of the field which are now open grassland will be converted to solar panel arrays. Upon construction, vegetation will be allowed to grow.

3.6.2. Federally Listed Threatened and Endangered Species

Affected Environment

Aligned reviewed the resources provided by the USFWS regarding compliance with Section 7 of the Endangered Species Act (ESA) to determine whether the project site and activities will directly or indirectly affect any threatened, endangered, proposed or candidate species, or would adversely affect designated critical habitat. Specifically, Aligned obtained an official species list for USFWS through its Information for Planning and Consultation (IPaC) (http://ecos.fws.gov/ipac/) system. Based on this review and direction from the USFWS Maine Field Office, three species were identified as potentially occurring in the project area. These species are shown in Figure 5 below.

Figure 5: USFWS Endangered and Threatened Species

Species	Species Present	Species ESA Status	Effect Determination	Notes
Northern Long-eared Bat	Unknown	Threatened	May affect, not likely to adversely affect	Project qualifies under the January 5, 2016, Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-eared Bat and Activities Excepted from Take Prohibitions
Atlantic Salmon	Not Present	Endangered	No Effect	The project site does not include any water bodies. Further, construction and operations of the project will not utilize any water or draw water from the rivers or streams.

Environmental Consequences

Based on guidance from the USFWS Maine Field Office, Aligned submitted the complete package of documents to the USFWS Maine Field Office on September 4, 2020 documenting the following and requesting that USFWS complete its consultation pursuant to Section 7 of the ESA (Appendix 9). On September 19, 2019, Aligned received a response from the USFWS Maine Field Office stating that it had received all documentation necessary to support the no effect finding under Section 7. The complete correspondence with the USFWS Maine Field Office is attached as Appendix 9.

With regards to the Northern Long-eared Bats, the USFWS issued a Final 4(d) rule under the Endangered Species Act (ESA) effective February 16, 2016. The rule specified that for areas of the country impacted by white-nose syndrome (WNS), incidental take is prohibited under the following circumstances:

1. If it occurs within a hibernacula,
2. If it results from tree removal activities and,
    a. The activity occurs within ¼-mile of a known, occupied hibernacula; or,
    b. The activity cuts or destroys a known, occupied maternity roost tree or other trees within a 150-foot radius from the maternity roost tree during the pup season from June 1 through July 31.

Because of the distance from the project site to the above-mentioned resources, as well as the lack of existing preferred habitat at the subject site, Aligned believes no adverse impacts to habitat or the species will occur for the species listed. A project review request package was prepared based on this information and is attached (Appendix 9). The Self Certification

Letter provides documentation that the project will not adversely impact protected species and was submitted to the USFWS on September 4, 2020, for their review and concurrence. That agency typically has 30 days to review and comment on the conclusions therein if they disagree with the findings. Based on the information reviewed, Aligned believes a no adverse effect determination is appropriate and that additional coordination with the USFWS is necessary.

3.6.3. Migratory Bird Treaty Act

Affected Environment

The project site consists of an actively managed farm field with no forested areas. Database information concerning the presence of Birds of Conservation Concern was reviewed from the USFWS (IPaC), and the Audubon Society's Important Bird Areas. IPaC identified the bald eagle as the only migratory bird of concern in the project area (Appendix 9 & 12).

Environmental Consequences

The bald eagle is listed on the USFWS' Birds of Conservation Concern and is protected under the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act. Aligned utilized the USFWS online mapping tool to conduct a bald eagle nest search (Appendix 10). The results concluded that there were no known nests within in the vicinity of the project site. The nearest site is over two miles from the project. Additionally, on December 29, 2020, Aligned completed the Northeast Bald Eagle Project Screening Form and submitted it to the USFWS (Appendix 11). To mitigate potential risks, the project certifies to adhere to all the suggested and applicable BMPs outlined in the Northeast Bald Eagle Project Screening Form, which includes maintaining a distance buffer of at least 660 feet (200 meters) between all project activities if any nests are later identified within that distance. Although construction of the project may occur during the bald eagle nesting season (February 1-August 15), no known nests were identified in the vicinity of the project and Aligned has committed to implementing appropriate mitigation measures in the event that a nest is discovered near the project. Therefore, the project is not expected to impact the bald eagle.

The proposed project will entail the construction of ground mounted solar arrays in a previously developed field and is not expected to have a significant impact on migratory bird populations or habitat.

3.6.4. Invasive Species

Affected Environment

The proposed project site includes an actively managed farm field, and no invasive plant species are known to exist within the project site. Some relatively common invasive plants may be present along the fringes of the project area, such as the Japanese honeysuckle or

the multiflora rose, but the project site in general does not appear to have an abundance of invasive species.

Environmental Consequences

The proposed project does not have the potential to increase the spread of invasive species. Solar panels require vegetation to be maintained below the panel surface to operate efficiently and plant life will not be expected to spread following construction. The lack of significant earthwork, no fill material being imported onto the site, and lack of aquatic habitats within the project site result in a minimal potential impact to the increase or establish invasive species as a result of the proposed project. Aligned has reviewed Maine's invasive species list for reference (Appendix 13).

3.7 Historic and Cultural Properties

3.7.1. State Historic Preservation

Affected Environment

The project site is located in a rural area of Livermore Falls, Maine and is currently developed pasture land. In order to evaluate the project's potential to impact cultural or historic resources, the direct Area of Potential Effect (APE) for the project was established as the 20.02 acre leased area. An additional indirect APE was established approximately 1/4 mile from the site to account for potential visual impacts. It should be noted that this indirect APE is likely over-conservative given the vegetative screening which will be provided or existing forest cover, which limits sight lines.

Environmental Consequences

On August 27, 2019, Aligned sent a consultation letter to the Maine Historic Preservation Commission (MHPC) (Appendix 14) seeking input on whether Souther Farms Solar raised any concerns under Section 106 of the National Historic Preservation Act. Based on this information, MHPC sent a final letter to Aligned on September 4, 2019 (Appendix 14) providing a finding that no historic or archaeological properties will be affected by the proposed project. Letters were sent to the following contacts:

- Maine Historic Preservation Commission: Kirk F. Mohney, Director and State Historic Preservation Officer

Based on the project location and the feedback received through this consultation process, the project will not have any adverse effect on historic or cultural resources.

3.7.2. Tribal Historic Preservation

Affected Environment

A review of the U.S. Department of Housing and Urban Development (HUD) Tribal Directory Assessment Tool (TDAT) v2.3 (https://egis.hud.gov/tdat/Tribal.aspx) indicated that the two Tribal Nations with potential interest in Souther Farms Solar were the Aroostook Band of Micmacs and the Penobscot Nation.

Environmental Consequences

As a result, Aligned sent consultation letters on September 4, 2020 to the Aroostook Band of Micmacs (Appendix 15) and the Penobscot Nation (Appendix 16) seeking input on whether Souther Farms Solar raised any concerns under Section 106 of the National Historic Preservation Act. A response was received from the Penobscot Nation on September 6, 2019 stating that no historic or cultural resources would be affected by the project. No comments were received from the Aroostook Band of Micmacs during the 30-day response window. Letters were sent to the following contacts:

- Aroostook Band of Micmacs: Edward Peter Paul, Chief
- Penobscot Nation: Kirk Francis, Chief and Christopher Sockalexis, Tribal Historic Preservation Officer

In an effort to provide the two tribal nations a second opportunity to respond due to the effect of COVID-19, Aligned sent follow-up consultation letters on December 18, 2020 (Appendix 15 & 16). As a good faith effort, Aligned had followed-up with both tribes via phone on December 28, 2020 and December 29, 2020. No comments were received from the Aroostook Band of Micmacs and the Penobscot Nation during the 15-day response window. Letters were sent to the same contacts in the original outreach.

Based on the consultation process and numerous outreach efforts, the project will not have any adverse effect under Section 106 of the National Historic Preservation Act.

3.8 Aesthetics

Affected Environment

The site is currently used as pastureland and is not located within a visually sensitive area such as a wilderness area, park, scenic area, etc. Moreover, the proposed solar panels will be placed far off the roadway in a low-lying position, thereby reducing or eliminating visibility from public thoroughfares.

Environmental Consequences

While the proposed developments will alter the landscape of the area from grassland, significant visual impacts on the surrounding area are not expected, especially in consideration of the limited height of the solar arrays and the surrounding wooded land and

vegetative screening. The site is also not located in a designated scenic or visually sensitive area. As such, adverse impacts to aesthetics are not expected.

3.9 Air Quality

Affected Environment

Souther Farms is located in the following Nonattainment Areas or Maintenance Areas as defined by the EPA GreenBook (https://www.epa.gov/green-book) and observed with the EPA's NEPAssist Tool. As such, no specific air quality standards are imposed on the project site.

Nonattainment Areas:

- 1-hour Ozone (1979 standard-revoked)

Maintenance Areas:

- No known maintenance areas

Environmental Consequences

Aligned has reviewed the air quality de minimis levels documented in 40CFR93.153(b) and considered emissions generated at the project site during construction and operation of the solar PV power plant. Aligned expects temporary and transient increases in air pollution as a result of construction activities associated with the project. These sources may include dust and emissions from construction equipment and vehicles. Aligned expects these increases to be sporadic and minimal. BMPs will be implemented, such as the application of water to suppress dust, washing down construction vehicles and paved roadways immediately adjacent to construction areas, and the allowance of no idle vehicles. No sources of particulate, odorous, or volatile pollutant emissions are proposed as part of the construction project (i.e. large boilers or generators). The main source of emissions during construction of a plant of this size and scope would be the gravel access road, which is anticipated to take less than 1 week to complete. Aligned has reviewed the equipment utilized during construction and attests to their emissions not exceeding the de minimis levels. Furthermore, BMPs should be utilized to reduce or eliminate construction vehicle emissions or dust generation for the short-term during construction. Long term air quality impacts are not expected; rather, given that the project involves implementing renewable energy generation, overall emissions would be expected to decrease as a result of lower fossil fuel demands for the existing power grid.

3.10 Socio-Economic/Environmental Justice

Affected Environment

A review of demographic information was performed by obtaining information from the U.S. Census Bureau. Year 2019 demographics data were obtained for Androscoggin County, Maine (Appendix 17). The census information indicates that approximately 91.7% of the population is white, approximately 4.5% of the population is black/African American, with the remaining 3.8% being Hispanic, American Indian, Asian, or other minorities.

According to EPA's Environmental Justice screening tool (Appendix 18), the site is located in an area with 48% of the population identified as low income, higher than the state average, and 2% minority population slightly below the state average. The project will involve new construction of a solar farm and therefore will not displace existing residents. Moreover, the EPA EJ Screen report and the Phase I Environmental Site Assessment did not identify environmental issues in the proximity of the property which would be expected to pose an environmental justice concern.

Environmental Consequences

The construction of the solar farm is not expected to have negative social or economic environmental consequences on the surrounding community. Conversely, the proposed project is intended to provide clean renewable energy for the purposes of bettering the natural and human environment. The proposed project will help limit greenhouse gas emissions through the generation of solar energy while providing electricity to the Town of Camden Schools District, Five Town CSD, the Town of Hope, ME, and Regional School Districts numbers 5 and 73. By displacing a portion of the School Districts' existing electrical demand from fossil fuel generation, the project not only reduces both criteria air pollutants and greenhouse gas emissions, but it will also serve as emergency back-up power during natural disasters and large power outages. No adverse environmental conditions were identified at the site or surrounding area which would pose a disproportionate environmental justice concern. Additionally, this project fits within the State of Maine's recently established ambitious 2030 renewable energy goals, which can only be meant through cooperation with private projects.

3.11 Miscellaneous Issues

3.11.1. Noise

Affected Environment

The ambient noise at the site is typical of the noise expected in a rural/agricultural area. The vicinity of the project site is considered rural and residential with sporadic residences. As a result, potential noise receptors are limited at the project site. The nearest identified noise sensitive area is over two mile radius from the project site.

Environmental Consequences

Construction activities will increase some noise levels initially from construction equipment; however, these activities are scheduled to be performed during normal working hours, 7am to 7pm, for a short duration during the construction of the project. Work outside these hours is not anticipated.

The level of noise produced by the solar farm after construction is not expected to exceed current ambient noise levels in the area and will be negligible outside of the fenced area. No specialized equipment that would generate loud noises is proposed to be used or installed. Also, the noise that a solar facility produces only occurs when the equipment is in use (no greater than 30 decibels) and when the panels and inverters are resting at night there is no noise. Minimal noise pollution is expected as a result of the proposed project to nearby sensitive areas, if at all.

BMPs, such as the aforementioned limited construction hours to prevent construction during the nights, will be employed to reduce or eliminate noise pollution during construction efforts but given the short duration and lack of nearby sensitive noise receptors, impacts are not expected.

3.11.2. Transportation

3.11.2.1. Federal Aviation Administration

Affected Environment

Based on the NEPA Assist Mapping tool and the Federal Aviation Administration (FAA), the Site is not located within 20,000 feet of an airport and site developments are proposed to be less then 200 feet above the ground surface. Specifically, the Souther Farms project will be installed at an elevation of 380 feet, and its ground-mounted solar panels will be approximately 11 feet tall. As such, no official notice must be filed with the FAA.

Environmental Consequences

Based on Aligned's review of the proposed project, no environmental consequences to air traffic appear to be associated with the project. Furthermore, Aligned consulted the Federal Aviation Administration's (FAA) Notice Criteria Tool (https://oeaaa.faa.gov/oeaaa/external/gisTools/gisAction.jsp?action=showNoNoticeRequiredToolForm) in reference to this project and received a "You do not exceed notice criteria" decision in accordance with 14CFR77.9e.2 (Appendix 19).

3.11.2.1. Traffic

Affected Environment

The proposed project anticipates a negligible increase in traffic to the site as the facility generally operates autonomously. Periodic (annual) and as-needed maintenance will be

necessary, but these will be very sporadic and will not increase local traffic volumes or noise levels. In addition, no transportation of hazardous or other substances to or from the site are proposed during or after construction.

The construction activities do not propose to impact traffic patterns as the work will not be performed within the roadways. Supply materials will be off loaded at the site at the beginning of the project to reduce truck volume and duration. This will only cause a temporary delay in traffic on the site and will not affect traffic on Souther Road given the low existing traffic and volume on that roadway. The access road to the site, located on private property, will be upgraded to accommodate the construction and maintenance traffic to the site. The road has been sited so that local traffic will not be impacted.

Environmental Consequences

The existing roadway is considered adequate to accommodate the anticipated construction traffic without disrupting local traffic flow or patterns. The solar array is designed to operate with minimal maintenance requirements and post construction traffic will also not adversely impact the site or surrounding area. No traffic impacts are expected.

3.12 Human Health and Safety

3.12.1. Electromagnetic Fields and Interference

Affected Environment

Because the project involves construction of a solar panel array and generation of electrical energy, the potential exists for Electromagnetic Fields (EMFs) to be generated. Studies conducted on the EMF generation of commercial solar fields have indicated that EMF generation at these commercial scale facilities is below acceptable exposure levels with the highest EMF generation measured near inverters and transformer units. While the project will likely generate some EMF, available scientific literature suggests they will be negligible levels well below established permissible exposure thresholds.

Environmental Consequences

The solar panel arrays have been sited away from occupied residences and well beyond the range expected for EMF generation. Studies show that at approximately 3 feet of distance from inverter units, which generate the highest EMF levels on a commercial solar project, EMF levels are a fraction of the permissible exposure level. Beyond 3 feet levels are negligible. Since the project site is several hundred feet from any occupied residence and will be fenced to prevent unauthorized access, exposure to EMF is not anticipated.

3.12.2. Environmental Risk Management

Affected Environment

A Phase I Environmental Site Assessment was conducted at the project site on August 2020 in accordance with American Society for Testing and Materials (ASTM) E1527-13. The Phase 1 Environmental Site Assessment did not reveal evidence of Recognized Environmental Conditions (RECs) associated with the project site but did identified three de minimis environmental conditions (Appendix 20).

Environmental Consequences

There were no RECs identified in the Environmental Site Assessment. As such, no impacts are expected. Separate from the RECs, the construction and operation of Souther Farms will not involve any hazardous materials, substances, or wastes that will be released on-site. All construction debris and waste will be transported off-site for appropriate disposal.

3.13 Corridor Analysis

Affected Environment

Interconnection will be completed sometime in the future. The project will interconnect at Pole #14 on 58 Souther Rd, Livermore Falls, ME for the purposes of metering the electricity generation, which will then be credited to the offtakers under the terms of the PPAs. The project site and the offtakers are located within the CMP service territory. The connection will be made to the primary voltage of 12.47 kV via Circuit 428D3 which is served from the Livermore Falls Substation. The distance from the point of interconnection to the nearest three phase line is approximately 0 miles, and approximately 1.66 miles to the substation. As a result, the interconnection corridor will not be extensive and will be completed at a later date, entirely contained within the site secured for the project.

Environmental Consequences

Based on Aligned's review of the proposed work, no corridor analysis is necessary at this time. Nonetheless, given the proximity to existing infrastructure, specifically electrical poles and lines, the interconnection corridor project to be conducted would not be expected to adversely impact environmental resources.

4. CUMULATIVE IMPACTS

Summary of Environmental Impacts

Resource	Impact Analysis
Land Use	No significant adverse impacts.

Farmland	Conversion of approximately 20.02 acres of NRCS deemed non-important farmland proposed. No significant impact to surrounding farmland infrastructure or capability and consultation with USDA concluded.
Formerly Classified Land	No significant adverse impacts.
Floodplains	No significant adverse impacts.
Wetlands	No significant adverse impacts.
Water Resources	No significant adverse impacts.
Coastal Resources	No significant adverse impacts.
Biological Resources – Fish, Wildlife and Vegetation	No significant deterioration or fragmentation of wildlife habitat or vegetation communities. No significant adverse impacts.
Biological Resources – Threatened and Endangered	Not likely to adversely effect Northern Long Eared Bats or Bald Eagles
Biological Resources – Migratory Bird Treaty Act	No significant adverse impacts.
Biological Resources – Invasive Species	No significant adverse impacts.
Historic and Cultural Properties	No significant adverse impacts.
Aesthetics	No significant adverse impacts.
Air Quality	Minimal short-term effect during construction; No significant adverse impacts.
Socio-Economic/ Environmental Justice	No significant adverse impacts.
Noise	Minimal short-term effect during construction; No significant adverse impacts.
Transportation	No significant adverse impacts.
Human Health and Safety	No significant adverse impacts.

Within the project footprint, Aligned anticipates minimal long-term cumulative impacts and no significantly adverse impacts. Temporary impacts due to noise and air pollution during construction are anticipated from construction vehicles; however, these impacts are temporary. At the completion of the project, the noise and air pollution will be comparable to the current conditions. Construction will only be allowed during normal working hours to prevent noise pollution on nearby properties outside of these times. Disturbance to the subsurface is proposed to be performed at shallow depths with the exception of piles, to be driven directly into the ground. On-site erosion and sediment controls will be utilized during and after construction to control surface runoff and all appropriate stormwater management plans and reviews will be completed prior to site plan approval. No listed historic or archaeological resources have been documented within the project limits nor are threatened or endangered species believed to be adversely impacted. Hazardous wastes will not be generated nor are anticipated to be encountered during construction. The proposed project will not be expected to impact the surrounding community but rather is designed to provide a benefit to it through the production of clean renewable energy for the purposes of bettering the natural and human environment.

In summary, no significant adverse environmental impacts are proposed or anticipated, and the minor/short term impacts discussed above are not expected to significantly impact the natural or human environment.

5. SUMMARY OF MITIGATION

The site selection procedures, project design layout, Maine Department of Environmental Protection permit conditions, standard construction BMPs, and adequate stormwater management and erosion and sediment control plans all appear sufficient to alleviate and/or prevent impacts to the natural or human environment. The avoidance and minimization measures have either already been employed in the design conducted to date, or will be part of the standard construction procedures for a project such as this. Additional mitigation measures beyond the procedures specified above do not appear warranted.

6. COORDINATION, CONSULTATION AND CORRESPONDENCE

During the preparation of this EA, Aligned consulted with the following agencies or agency websites:

- U.S. Department of Agriculture: NEPA Environmental Guidance Document
- U.S. Department of Agriculture: NRCS Web Soil Survey
- U.S. Department of Agriculture: NRCS Farmland Conversion Impact Rating and Local Maine Field Office
- U.S. Environmental Protection Agency: NEPA Assist
- U.S. Department of Homeland Security: FEMA Flood Plain Map
- U.S. Fish and Wildlife Services: Wetland Mapper

- U.S. Environmental Protection Agency: Sole Source Aquifer Mapping System
- National Oceanic and Atmospheric Administration: Coastal Zone Management Area (CZMA)
- U.S. Fish and Wildlife Services: Threatened and Endangered Species Maine
- U.S. Department of Housing and Urban Development: Tribal Directory Assessment Tool
- U.S. Department of Agriculture: RD Section 106 Review Basics
- Tribal Correspondence: Aroostook Band of Micmacs
- Tribal Correspondence: Penobscot Nation
- U.S. Environmental Protection Agency: Green Book - Nonattainment Areas for Criteria Pollutant
- U.S. Environmental Protection Agency: Environmental Justice Screening
- U.S. Census Data: Androscoggin County, ME
- U.S. Department of Transportation: FAA

7. REFERENCES

Supporting documentation from the consulted agencies and sources is provided in the Appendices to this EA.

U.S. Department of Agriculture: NEPA Environmental Guidance Document, last accessed January 6, 2021. https://www.rd.usda.gov/resources/environmental-studies/environmental-guidance

U.S. Department of Agriculture: NRCS Web Soil Survey, last accessed September 29, 2020. https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx

U.S. Department of Agriculture: NRCS Farmland Conversion Impact Rating and Local Maine Field Office, last accessed September 29, 2020. https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1045394.pdf

U.S. Environmental Protection Agency: NEPA Assist, last accessed September 28, 2020. https://nepassisttool.epa.gov/nepassist/nepamap.aspx

U.S. Department of Homeland Security: FEMA Flood Plain Map, last accessed September 29, 2020. https://msc.fema.gov/portal/home

US Fish and Wildlife Services: Wetland Mapper, last accessed January 5, 2021. https://www.fws.gov/wetlands/data/mapper.html

U.S. Environmental Protection Agency: Sole Source Aquifer Mapping System, last accessed January 5, 2021. https://www.epa.gov/dwssa/map-sole-source-aquifer-locations

National Oceanic and Atmospheric Administration: Coastal Zone Management Area (CZMA), last accessed September 28, 2020. https://coast.noaa.gov/czm/consistency/media/me.pdf

U.S. Fish and Wildlife Services: Threatened and Endangered Species Maine, last accessed September 28, 2020. https://ecos.fws.gov/ecp/

U.S. Department of Housing and Urban Development: Tribal Directory Assessment Tool, last accessed September 28, 2020. https://egis.hud.gov/tdat/

U.S. Department of Agriculture: RD Section 106 Review Basics, last accessed September 28, 2020. https://www.rd.usda.gov/programs-services/all-programs/water-environmental-programs/section-106-review-basics

Aroostook Band of Micmacs, last accessed January 5, 2021. http://micmac-nsn.gov/

Penobscot Nation, last accessed January 5, 2021. https://www.penobscotnation.org/

U.S. Environmental Protection Agency: Green Book - Nonattainment Areas for Criteria Pollutant, last accessed September 28, 2020. https://www.epa.gov/green-book

U.S. Environmental Protection Agency: Environmental Justice Screening, last accessed September 28, 2020. https://www.epa.gov/environmentaljustice

U.S. Census Data, last accessed January 5, 2021. https://www.census.gov/quickfacts/fact/dashboard/androscoggincountymaine/PST045219

U.S. Department of Transportation: FAA, last accessed September 28, 2020. https://oeaaa.faa.gov/oeaaa/external/gisTools/gisAction.jsp?action=showNoNoticeRequiredToolForm

8. LIST OF PREPARERS

This Environmental Assessment was completed by the following personnel:

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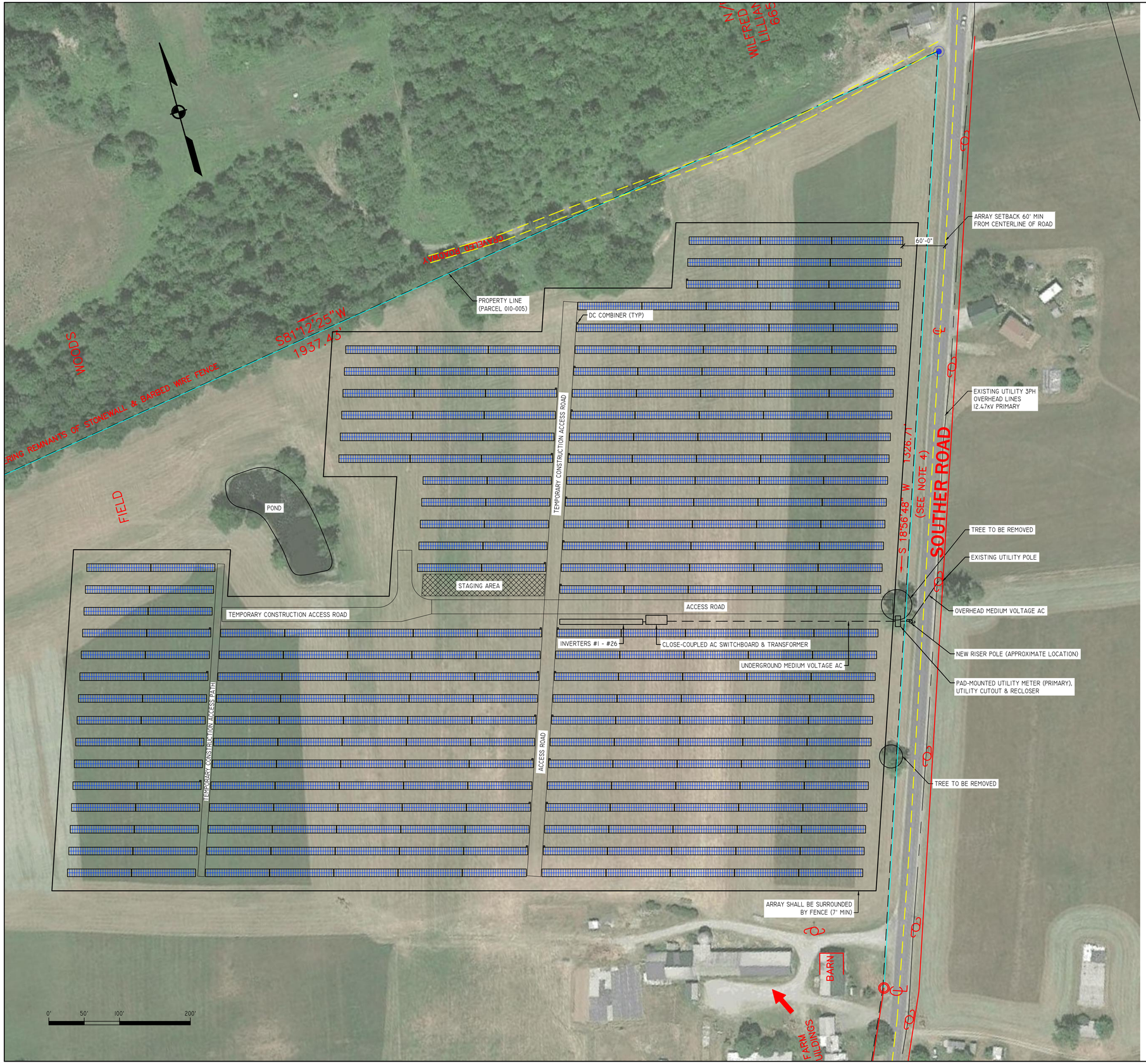
Appendix 1 - Site Map - Souther Farms Solar



SYSTEM SUMMARY	
DC SYSTEM SIZE	5,124.6 kW DC
AC SYSTEM SIZE	3,900 kW AC
PROJECT TYPE	GROUND MOUNT
TILT / AZIMUTH	35° / 180°
TOTAL SITE AREA	19.5 ACRES
NOTE: EXAMPLE ARRAY LAYOUT. ACUTAL DESIGN AND FOOTPRINT SUBJECT TO CHANGE. NOT FOR CONSTRUCTION.	

EQUIPMENT SUMMARY		
ITEM	DESCRIPTION	QTY
MODULE 1	REC 355TP2S 72 (355W)	7020
MODULE 2	REC 375TP2SM 72 (375W)	7020
INVERTER	SMA HIGHPOWER PEAK3 150-US	26

REVISION ENERGY

APPLICANT:

REVISION ENERGY

91 W MAIN ST
LIBERTY, ME 04949
(207)-589-4171

PROJECT NAME:

SOUTHER FARMS

PROJECT ADDRESS:

58 SOUTHER ROAD
LIVERMORE FALLS, ME

PROPERTY OWNER:

PARCEL 010-005:
EVELYN NORTON &
PRISCILLA SWARTZLANDER

SYSTEM TYPE:

GROUND MOUNT
PHOTOVOLTAIC ARRAY

NOT FOR CONSTRUCTION

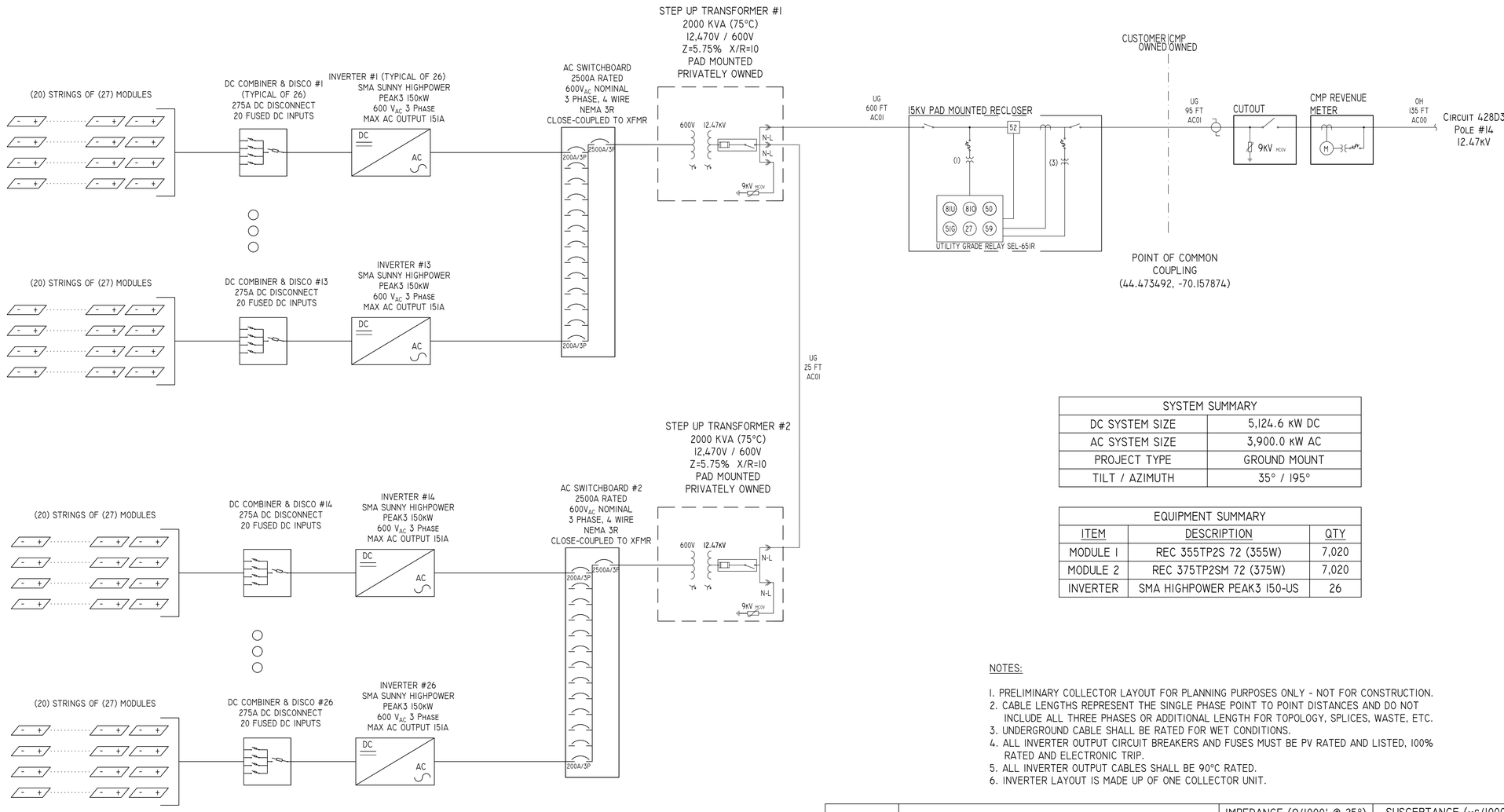
REV	BY	DATE	STATUS
000	BAA	09/17/2019	ISSUED FOR TOWN PLANNING BOARD
001	BAA	09/20/2019	ISSUED FOR INTERCONNECTION
002	BAA	10/07/2019	UPDATED LAYOUT. ISSUED FOR TOWN PLANNING BOARD
003	BAA	01/09/2020	UPDATED ELECTRICAL EQUIPMENT & LAYOUT.

DESIGNED BY: BAA
PRINT SIZE: 24" x 36"
SCALE: 1/64" = 1'
DATE: JANUARY 9, 2020

DWG TITLE:
SITE PLAN FOR INTERCONNECTION

DWG NUMBER:
E100

Appendix 2 - One Line Diagram - Souther Farms Solar



SYSTEM SUMMARY	
DC SYSTEM SIZE	5,124.6 kW DC
AC SYSTEM SIZE	3,900.0 kW AC
PROJECT TYPE	GROUND MOUNT
TILT / AZIMUTH	35° / 195°

EQUIPMENT SUMMARY		
ITEM	DESCRIPTION	QTY
MODULE 1	REC 355TP2S 72 (355W)	7,020
MODULE 2	REC 375TP2SM 72 (375W)	7,020
INVERTER	SMA HIGHPOWER PEAK3 150-US	26

NOTES:

1. PRELIMINARY COLLECTOR LAYOUT FOR PLANNING PURPOSES ONLY - NOT FOR CONSTRUCTION.
2. CABLE LENGTHS REPRESENT THE SINGLE PHASE POINT TO POINT DISTANCES AND DO NOT INCLUDE ALL THREE PHASES OR ADDITIONAL LENGTH FOR TOPOLOGY, SPLICES, WASTE, ETC.
3. UNDERGROUND CABLE SHALL BE RATED FOR WET CONDITIONS.
4. ALL INVERTER OUTPUT CIRCUIT BREAKERS AND FUSES MUST BE PV RATED AND LISTED, 100% RATED AND ELECTRONIC TRIP.
5. ALL INVERTER OUTPUT CABLES SHALL BE 90°C RATED.
6. INVERTER LAYOUT IS MADE UP OF ONE COLLECTOR UNIT.

TAG	DESCRIPTION	IMPEDANCE (Ω/1000' @ 25°)		SUSCEPTANCE (µS/1000')	
		Z1	Z0	B1	B0
AC00	4/0 AWG ACSR (PENGUIN)	0.1320+J0.1345	0.2022+J0.3835	1.2019	0.5411
AC01	12.47KV 4/0 AWG AL TRXLPE 1/3 CONCENTRIC NEUTRAL	0.0835+J0.0480	0.2829+J0.1310	18.42	18.42

REVISION ENERGY

APPLICANT:

REVISION ENERGY

91 W MAIN ST
LIBERTY, ME 04949
(207)-589-4171

PROJECT NAME:

SOUTHER FARMS

PROJECT ADDRESS:

58 SOUTHER ROAD
LIVERMORE FALLS, ME

PROPERTY OWNER:

PARCEL 010-005:
EVELYN NORTON &
PRISCILLA SWARTZLANDER

SYSTEM TYPE:

GROUND MOUNT
PHOTOVOLTAIC ARRAY

SGC Engineering
A Lloyd's Register Company

NOT FOR CONSTRUCTION

STATE OF MAINE
REV. 2
WILLIAM E. WISE
5/27/2020
No. 13281
LICENSED PROFESSIONAL ENGINEER

REV	BY	DATE	STATUS
000	BAA	09/20/2019	ISSUED FOR INTERCONNECTION
001	WEW	11/01/2019	ISSUED FOR REVIEW
002	BMK	5/27/2020	ISSUED FOR REVIEW

DESIGNED BY: BAA
PRINT SIZE: 24" x 36"
SCALE: NA
DATE: SEPTEMBER 20, 2019
DWG TITLE:
ONE-LINE DIAGRAM
DWG NUMBER:
E400

Appendix 3 - Soil Map - Souther Farms Solar

Appendix 3 - Soil Map - Souther Farms Solar

Farmland Classification—Androscoggin and Sagadahoc Counties, Maine
(Souther Farms Solar)

Map Scale: 1:2,600 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 35 70 140 210

Feet
0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- Not prime farmland
- All areas are prime farmland
- Prime farmland if drained
- Prime farmland if protected from flooding or not frequently flooded during the growing season
- Prime farmland if irrigated
- Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
- Prime farmland if irrigated and drained
- Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season
- Prime farmland if subsoiled, completely removing the root inhibiting soil layer
- Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
- Prime farmland if irrigated and reclaimed of excess salts and sodium
- Farmland of statewide importance
- Farmland of statewide importance, if drained
- Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if irrigated
- Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if irrigated and drained
- Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
- Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
- Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
- Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if warm enough
- Farmland of statewide importance, if thawed
- Farmland of local importance
- Farmland of local importance, if irrigated
- Farmland of unique importance
- Not rated or not available

Soil Rating Lines

- Not prime farmland
- All areas are prime farmland
- Prime farmland if drained
- Prime farmland if protected from flooding or not frequently flooded during the growing season
- Prime farmland if irrigated
- Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
- Prime farmland if irrigated and drained
- Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

- Prime farmland if subsoiled, completely removing the root inhibiting soil layer
- Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
- Prime farmland if irrigated and reclaimed of excess salts and sodium
- Farmland of statewide importance
- Farmland of statewide importance, if drained
- Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if irrigated
- Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if irrigated and drained
- Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
- Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
- Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
- Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if warm enough
- Farmland of statewide importance, if thawed
- Farmland of local importance
- Farmland of local importance, if irrigated
- Farmland of unique importance
- Not rated or not available

Soil Rating Points

- Not prime farmland
- All areas are prime farmland
- Prime farmland if drained
- Prime farmland if protected from flooding or not frequently flooded during the growing season
- Prime farmland if irrigated
- Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
- Prime farmland if irrigated and drained
- Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season
- Prime farmland if subsoiled, completely removing the root inhibiting soil layer
- Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
- Prime farmland if irrigated and reclaimed of excess salts and sodium
- Farmland of statewide importance
- Farmland of statewide importance, if drained
- Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if irrigated

- Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if irrigated and drained
- Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
- Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
- Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
- Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if warm enough
- Farmland of statewide importance, if thawed
- Farmland of local importance
- Farmland of local importance, if irrigated
- Farmland of unique importance
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Androscoggin and Sagadahoc Counties, Maine
Survey Area Data: Version 21, Jun 1, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 18, 2012—Nov 1, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Farmland Classification

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
EmB	Elmwood fine sandy loam, 2 to 8 percent slopes	All areas are prime farmland	0.0	0.2%
MkB	Merrimac fine sandy loam, 0 to 8 percent slopes	All areas are prime farmland	14.7	67.6%
MkC2	Merrimac fine sandy loam, 8 to 15 percent slopes, eroded	Not prime farmland	5.1	23.5%
NgB	Ninigret fine sandy loam, 0 to 8 percent slopes	All areas are prime farmland	1.3	6.2%
SzA	Swanton fine sandy loam, 0 to 3 percent slopes	Not prime farmland	0.5	2.5%
Totals for Area of Interest			**21.8**	**100.0%**

Description

Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

Rating Options

Aggregation Method: No Aggregation Necessary

Tie-break Rule: Lower

Appendix 4 - Farmland Conversion Impact Rating - Souther Farms Solar

Inclusive of correspondence from NRCS and the soil map used for the FCIR rating.

Re: Souther Farms Solar Project Livermore Falls, ME

After reviewing your correspondence dated Sept 30, 2020 it appears based on the provided location map and soil map that the project site may include areas which contain soils of prime or statewide importance. Projects are subject to Farmland Protection Policy Act (FPPA) requirements if they may irreversibly convert farmland (directly or indirectly) to nonagricultural use and are completed by a Federal agency or with assistance (funding) from a Federal agency. Parts II, IV, and V of form AD-1006, the Farmland Conversion Impact Rating (attached) have been completed. The project site is mapped as MkB Merrimac fine sandy loam, 0 to 8 percent slopes and NgB, Ninigret fine sandy loam 0 to 8 percent slopes. Both MkB and NgB are considered Prime Farmland. The Relative Value of the project area is 77.

Please fill out Parts VI and VII. If the total point score is 160 or less, then the project is in full compliance with (FPPA) and no further action is required. If the total point score is above 160 points, then alternative design or location should be considered that might reduce the total point score. If this is not possible, then an explanation should be provided in Block 5 at the bottom of the form. Additional information about completing the form and the Farmland Protection Policy Act can be found at the following web site: http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/landuse/fppa/.

Please provide a final copy of the completed AD-1006 to me for NRCS records and retain a copy for your records regardless of the total point score.

If you have any questions, please feel free to contact me.

Thank you

Lindsay Hodgman

U.S. Department of Agriculture

FARMLAND CONVERSION IMPACT RATING

PART I *(To be completed by Federal Agency)*		Date Of Land Evaluation Request	
Name of Project Souther Farms Solar LLC		Federal Agency Involved USDA	
Proposed Land Use Solar PV Plant		County and State Androscoggin County, ME	
PART II *(To be completed by NRCS)*		Date Request Received By NRCS 09/30/2020	Person Completing Form: Lindsay Hodgman

Does the site contain Prime, Unique, Statewide or Local Important Farmland? *(If no, the FPPA does not apply - do not complete additional parts of this form)*	YES ☑ NO ☐	Acres Irrigated 0	Average Farm Size 128
Major Crop(s) corn	Farmable Land In Govt. Jurisdiction Acres: 258,501 % 55	Amount of Farmland As Defined in FPPA Acres: 13591 % 29	
Name of Land Evaluation System Used LESA Androscoggin co.	Name of State or Local Site Assessment System N/A	Date Land Evaluation Returned by NRCS 10/5/2020	

PART III *(To be completed by Federal Agency)*	Alternative Site Rating			
	Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly	20.02			
B. Total Acres To Be Converted Indirectly				
C. Total Acres In Site	20.02			
PART IV *(To be completed by NRCS)* Land Evaluation Information				
A. Total Acres Prime And Unique Farmland	16			
B. Total Acres Statewide Important or Local Important Farmland	0			
C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted	<1			
D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value	9			
PART V (To be completed by NRCS) Land Evaluation Criterion Relative Value of Farmland To Be Converted (Scale of 0 to 100 Points)	77			

PART VI *(To be completed by Federal Agency)* Site Assessment Criteria *(Criteria are explained in 7 CFR 658.5 b. For Corridor project use form NRCS-CPA-106)*	**Maximum Points**	Site A	Site B	Site C	Site D
1. Area In Non-urban Use	(15)	10			
2. Perimeter In Non-urban Use	(10)	5			
3. Percent Of Site Being Farmed	(20)	0			
4. Protection Provided By State and Local Government	(20)	0			
5. Distance From Urban Built-up Area	(15)	3			
6. Distance To Urban Support Services	(15)	0			
7. Size Of Present Farm Unit Compared To Average	(10)	0			
8. Creation Of Non-farmable Farmland	(10)	0			
9. Availability Of Farm Support Services	(5)	5			
10. On-Farm Investments	(20)	10			
11. Effects Of Conversion On Farm Support Services	(10)	0			
12. Compatibility With Existing Agricultural Use	(10)	0			
TOTAL SITE ASSESSMENT POINTS	160	33	0	0	0
PART VII ***(To be completed by Federal Agency)***					
Relative Value Of Farmland *(From Part V)*	100	77	0	0	0
Total Site Assessment *(From Part VI above or local site assessment)*	160	33	0	0	0
TOTAL POINTS ***(Total of above 2 lines)***	260	110	0	0	0

Site Selected: Site A	Date Of Selection 10/5/2020	Was A Local Site Assessment Used? YES ☐ NO ☑

Reason For Selection:

Site A was identified as the preferred site for this project and completion of the FCIR does not necessitate alternative site considerations.

Name of Federal agency representative completing this form:	Date:

(See Instructions on reverse side) **Form AD-1006 (03-02)**

STEPS IN THE PROCESSING THE FARMLAND AND CONVERSION IMPACT RATING FORM

Step 1 - Federal agencies (or Federally funded projects) involved in proposed projects that may convert farmland, as defined in the Farmland Protection Policy Act (FPPA) to nonagricultural uses, will initially complete Parts I and III of the form. For Corridor type projects, the Federal agency shall use form NRCS-CPA-106 in place of form AD-1006. The Land Evaluation and Site Assessment (LESA) process may also be accessed by visiting the FPPA website, http://fppa.nrcs.usda.gov/lesa/.

Step 2 - Originator (Federal Agency) will send one original copy of the form together with appropriate scaled maps indicating location(s)of project site(s), to the Natural Resources Conservation Service (NRCS) local Field Office or USDA Service Center and retain a copy for their files. (NRCS has offices in most counties in the U.S. The USDA Office Information Locator may be found at http://offices.usda.gov/scripts/ndISAPI.dll/oip_public/USA_map**,** or the offices can usually be found in the Phone Book under U.S. Government, Department of Agriculture. A list of field offices is available from the NRCS State Conservationist and State Office in each State.)

Step 3 - NRCS will, within 10 working days after receipt of the completed form, make a determination as to whether the site(s) of the proposed project contains prime, unique, statewide or local important farmland. (When a site visit or land evaluation system design is needed, NRCS will respond within 30 working days.

Step 4 - For sites where farmland covered by the FPPA will be converted by the proposed project, NRCS will complete Parts II, IV and V of the form.

Step 5 - NRCS will return the original copy of the form to the Federal agency involved in the project, and retain a file copy for NRCS records.

Step 6 - The Federal agency involved in the proposed project will complete Parts VI and VII of the form and return the form with the final selected site to the servicing NRCS office.

Step 7 - The Federal agency providing financial or technical assistance to the proposed project will make a determination as to whether the proposed conversion is consistent with the FPPA.

INSTRUCTIONS FOR COMPLETING THE FARMLAND CONVERSION IMPACT RATING FORM

(For Federal Agency)

Part I: When completing the "County and State" questions, list all the local governments that are responsible for local land use controls where site(s) are to be evaluated.

Part III: When completing item B (Total Acres To Be Converted Indirectly), include the following:

1. Acres not being directly converted but that would no longer be capable of being farmed after the conversion, because the conversion would restrict access to them or other major change in the ability to use the land for agriculture.
2. Acres planned to receive services from an infrastructure project as indicated in the project justification (e.g. highways, utilities planned build out capacity) that will cause a direct conversion.

Part VI: Do not complete Part VI using the standard format if a State or Local site assessment is used. With local and NRCS assistance, use the local Land Evaluation and Site Assessment (LESA).

1. Assign the maximum points for each site assessment criterion as shown in § 658.5(b) of CFR. In cases of corridor-type project such as transportation, power line and flood control, criteria #5 and #6 will not apply and will, be weighted zero, however, criterion #8 will be weighed a maximum of 25 points and criterion #11 a maximum of 25 points.

2. Federal agencies may assign relative weights among the 12 site assessment criteria other than those shown on the FPPA rule after submitting individual agency FPPA policy for review and comment to NRCS. In all cases where other weights are assigned, relative adjustments must be made to maintain the maximum total points at 160. For project sites where the total points equal or exceed 160, consider alternative actions, as appropriate, that could reduce adverse impacts (e.g. Alternative Sites, Modifications or Mitigation).

Part VII: In computing the "Total Site Assessment Points" where a State or local site assessment is used and the total maximum number of points is other than 160, convert the site assessment points to a base of 160.
Example: if the Site Assessment maximum is 200 points, and the alternative Site "A" is rated 180 points:

$$\frac{\text{Total points assigned Site A}}{\text{Maximum points possible}} = \frac{180}{200} \text{ X } 160 = 144 \text{ points for Site A}$$

For assistance in completing this form or FPPA process, contact the local NRCS Field Office or USDA Service Center.

NRCS employees, consult the FPPA Manual and/or policy for additional instructions to complete the AD-1006 form.

Farmland Classification—Androscoggin and Sagadahoc Counties, Maine
(Souther Farms Solar)

Map Scale: 1:2,600 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 35 70 140 210

Feet: 0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

Farmland Classification

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
EmB	Elmwood fine sandy loam, 2 to 8 percent slopes	All areas are prime farmland	0.0	0.2%
MkB	Merrimac fine sandy loam, 0 to 8 percent slopes	All areas are prime farmland	14.7	67.6%
MkC2	Merrimac fine sandy loam, 8 to 15 percent slopes, eroded	Not prime farmland	5.1	23.5%
NgB	Ninigret fine sandy loam, 0 to 8 percent slopes	All areas are prime farmland	1.3	6.2%
SzA	Swanton fine sandy loam, 0 to 3 percent slopes	Not prime farmland	0.5	2.5%
Totals for Area of Interest			**21.8**	**100.0%**

Description

Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

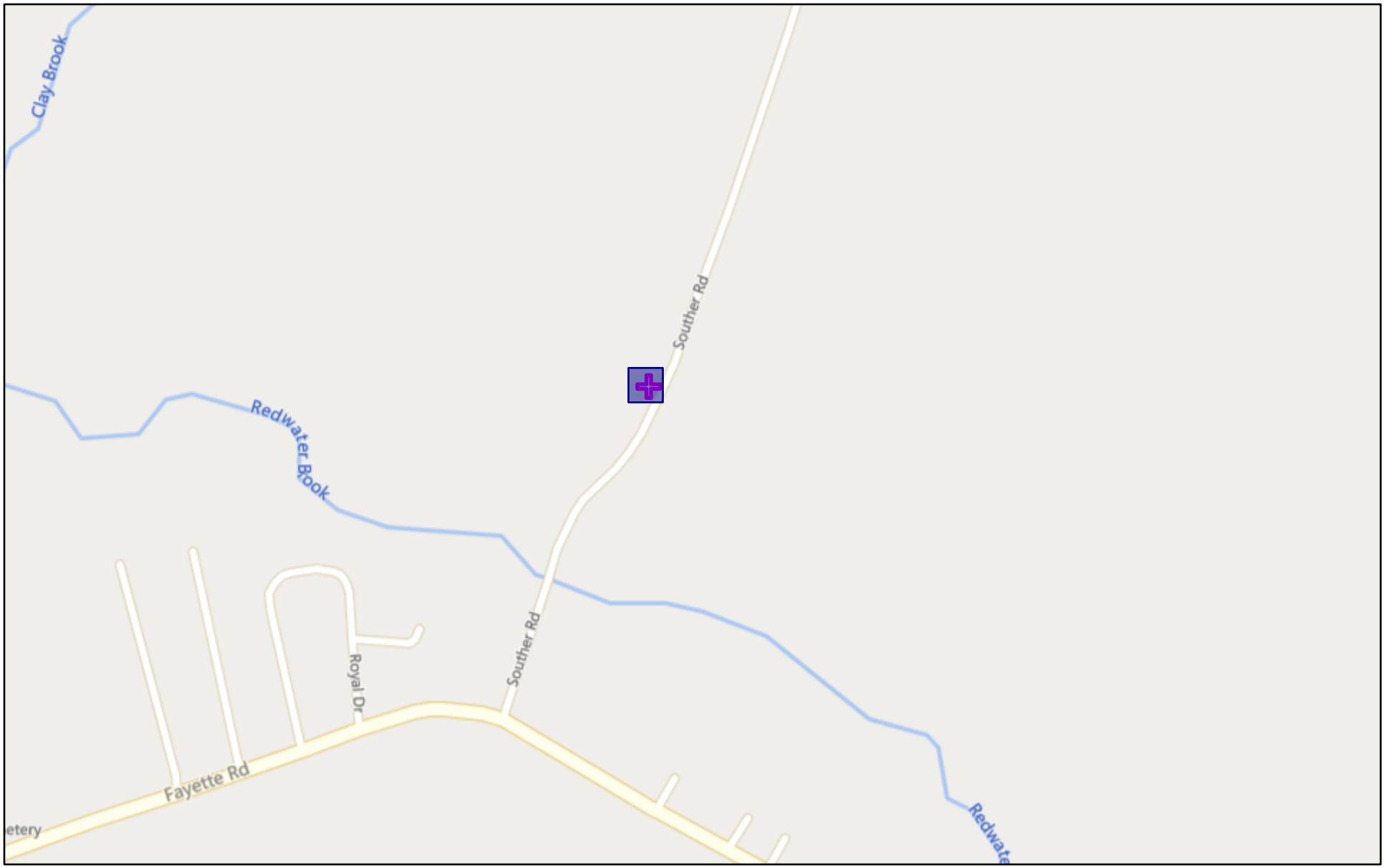
Rating Options

Aggregation Method: No Aggregation Necessary

Tie-break Rule: Lower

Appendix 5 - Land Analysis Map - Souther Farms Solar

Souther Farms Land Analysis



September 28, 2020

Souther Farms Solar Project

Search Result (point)

Federal Lands

No Data

BIA

BLM

BOR

DOD

FS

FWS

NPS

1:9,028

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

Appendix 6 - FEMA Flood Map for Souther Farms Solar Project Site

National Flood Hazard Layer FIRMette

FEMA

70°9'50"W 44°28'31"N

70°9'13"W 44°28'6"N

Feet

0 250 500 1,000 1,500 2,000

1:6,000

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/29/2020 at 7:30 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Appendix 7 - USFWS Map for Souther Farms Solar Project Site

U.S. Fish and Wildlife Service
National Wetlands Inventory

Souther Farms Wetlands Map

January 5, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

Appendix 8 - EPA Sole Source Aquifer Map - Souther Farms Solar

Sole Source Aquifer Map

1/4/2021, 11:48:10 PM

Counties

Flowlines
- Other
- Artificial Path
- Canal/Ditch
- Coastline
- Connector
- Pipelines
- Stream/River

Waterbodies
- Other
- Ice Mass
- Lake/Pond
- Playa
- Reservoir
- Swamp/Marsh

1:9,028

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, US EPA Office of Water

U.S. Environmental Protection Agency

Appendix 9 - Section 7 Review: USFWS Consultation Letter Full Correspondence - Souther Farms Solar

This is inclusive of full correspondence with the USFWS, guidance on the Endangered Spcies Act, and the programatic biological opninion of the 4(d) rule for the Northern Long-eared Bat.

ALIGNED
CLIMATE CAPITAL

September 4, 2020

Dr. Mark McCollough

Maine Ecological Services Field Office

P.O. Box A

East Orland, ME 04431

41 MADISON AVENUE
31ST FLOOR
NEW YORK, NY 10010

SUBJECT: USDA RURAL UTILITIES SERVICE—IMPROVEMENT PROJECT: SOUTHER FARMS SOLAR

Request for Information Consultation and Concurrence of Not Likely to Adversely Affect Finding

Dear Dr. McCollough,

Aligned Climate Capital LLC is seeking financial assistance from the U.S. Department of Agriculture's Rural Utilities Service (RUS) under its direct loan program pursuant to the Rural Electrification Act of 1936 for Souther Farms Solar as shown on the attached project site map (Attachment 1).

Souther Farms Solar is a proposed 5,125 kilowatt (kW_{DC}) solar photovoltaic (PV) generating facility. The proposed project is located at 86 Souther Road, Livermore Falls, ME 04254 and involves the construction of a ground-mount PV generating facility covering approximately 20 acres adjacent to existing buildings and disturbed land as shown in the site map (Attachment 1). The project area does not contain any waterways and no tree clearing will be required for construction.

Construction of this project is anticipated to start on/around November 1, 2019 and conclude by May 31, 2019.

With this letter, we are requesting the MEFO's participation in informal consultation per Section 7 of the Endangered Species Act. In support of that request, we have

followed the MEFO guidelines on how to prepare a project review package. As a result, this letter includes the following attachments:

1. Official Species List (Attachment 2) generated by FWS's IPaC planning tool (Attachment 2) obtained on September 4, 2020.

2. A Species Summary List completed per the instructions found on the MEFO website (Attachment 3)

3. The verification letter for the Souther Farms Solar project under the January 5, 2016, Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-eared Bat and Activities Excepted from Take Prohibitions (Attachment 4)

4. The results of whether the project site is within 660 feet of a known bald eagle nest using USFWS' Bald Eagle Map Tool (Attachment 5).

With this letter, we request your participation in informal consultation per Section 7 of the Endangered Species Act and seek your concurrence with our finding.

Sincerely,

Ryan Robinson

Ryan Robinson

Vice President

Aligned Climate Capital

NOTES:

1. SEE DRAWING C-100 FOR PLAN AND DRAWING REFERENCES.
2. WETLANDS DELINEATED BY AL FRICK ASSOCIATES, INC., DATED 4/28/2020.

REV.	BY	DATE	STATUS
	DPD	7/2020	ISSUED FOR TOWN AND MEDEP REVIEW

STATE OF MAINE — DANIEL DIFFIN — 11841 — LICENSED PROFESSIONAL ENGINEER

3.9 MW AC SOLAR ARRAY
CAMDEN SOLAR, LLC
LIVERMORE FALLS, MAINE

SITE OVERVIEW PLAN

SME
SEVEE & MAHER ENGINEERS
ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE
4 Blanchard Road, PO Box 85A, Cumberland, Maine 04021
Phone 207.829.5016 • Fax 207.829.5692 • smemaine.com

DESIGN BY:	JTR
DRAWN BY:	JRL
DATE:	1/2020
CHECKED BY:	
LMN:	SITEOVER
CTB:	SME-STD

JOB NO. 19274 DWG FILE BASE

C-102

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Maine Ecological Services Field Office
P. O. Box A
East Orland, ME 04431
Phone: (207) 469-7300 Fax: (207) 902-1588
http://www.fws.gov/mainefieldoffice/index.html

In Reply Refer To: September 04, 2020
Consultation Code: 05E1ME00-2020-SLI-1504
Event Code: 05E1ME00-2020-E-05117
Project Name: Souther Farms Solar

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies the threatened, endangered, candidate, and proposed species and designated or proposed critical habitat that may occur within the boundary of your proposed project or may be affected by your proposed project. This species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC Web site at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the Endangered Species Consultation Handbook at: http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

This species list also identifies candidate species under review for listing and those species that the Service considers species of concern. Candidate species have no protection under the Act but are included for consideration because they could be listed prior to completion of your project. Species of concern are those taxa whose conservation status is of concern to the Service (i.e., species previously known as Category 2 candidates), but for which further information is needed.

If a proposed project may affect only candidate species or species of concern, you are not required to prepare a Biological Assessment or biological evaluation or to consult with the Service. However, the Service recommends minimizing effects to these species to prevent future conflicts. Therefore, if early evaluation indicates that a project will affect a candidate species or species of concern, you may wish to request technical assistance from this office to identify appropriate minimization measures.

Please be aware that bald and golden eagles are not protected under the Endangered Species Act but are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.). Projects affecting these species may require development of an eagle conservation plan: http://www.fws.gov/windenergy/eagle_guidance.html Information on the location of bald eagle nests in Maine can be found on the Maine Field Office Web site: http://www.fws.gov/mainefieldoffice/Project%20review4.html

Additionally, wind energy projects should follow the wind energy guidelines: http://www.fws.gov/windenergy/ for minimizing impacts to migratory birds and bats. Projects may require development of an avian and bat protection plan.

Migratory birds are also a Service trust resource. Under the Migratory Bird Treaty Act, construction activities in grassland, wetland, stream, woodland, and other habitats that would result in the take of migratory birds, eggs, young, or active nests should be avoided. Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g.,

cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm and at: http://www.towerkill.com; and at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Maine Ecological Services Field Office
P. O. Box A
East Orland, ME 04431
(207) 469-7300

Project Summary

Consultation Code: 05E1ME00-2020-SLI-1504

Event Code: 05E1ME00-2020-E-05117

Project Name: Souther Farms Solar

Project Type: POWER GENERATION

Project Description: A 20.25 acre solar photovoltaic project located in Livermore Falls, ME

Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/place/44.474433003379104N70.16048823000123W

Counties: Androscoggin, ME

Endangered Species Act Species

There is a total of 2 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

---

1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Northern Long-eared Bat *Myotis septentrionalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Fishes

NAME	STATUS
Atlantic Salmon *Salmo salar* Population: Gulf of Maine DPS There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2097	Endangered

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

Species Summary Table

Your name: Ryan Robinson (ryan@alignedclimatecapital.com | 386.341.3455)

Project name used in IPaC: Souther Farms Solar, 86 Souther Road, Livermore Falls, ME 0254

Date: September 4, 2020

Step 2 Listed or candidate species that are likely present according to the Official Species List from IPaC? "No Species" or IPaC species list Bald eagle nests from Step 4.	Step 2 Is your action area in critical habitat (only for Canada lynx or Atlantic salmon)? Yes or No	Step 3A Is suitable habitat for listed or candidate species present in your action area? "suitable habitat present" "suitable habitat not present" "Don't know"	Step 3B Does the species occur in your action area? "Species present" "Species not present" "Don't know"	Step 4 Is your project likely to take or disturb eagles and require an Eagle Act permit? "Will not disturb" "May disturb" "Don't know"	Step 5 Determinations for the Endangered Species Act – **only Federal agencies complete this column** "No effect" "May effect"	Notes and Documentation (provide additional information if needed)
Northern Long-eared Bat		Suitable habit not present	Don't Know	May disturb		Project qualifies under the January 5, 2016, Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-eared Bat and Activities Excepted from Take Prohibitions (Verification Letter Attached)
Atlantic Salmon	Yes	Suitable habit not present	Species not present	Will not disturb		The project site does not contain any water bodies. Project operation will not affect any water bodies.
Bald eagle			Species not present	Will Not Disturb		Map results provided as attachment.

Notes:

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Maine Ecological Services Field Office
P. O. Box A
East Orland, ME 04431
Phone: (207) 469-7300 Fax: (207) 902-1588
http://www.fws.gov/mainefieldoffice/index.html

In Reply Refer To: September 04, 2020
Consultation Code: 05E1ME00-2020-TA-1504
Event Code: 05E1ME00-2020-E-05118
Project Name: Souther Farms Solar

Subject: Verification letter for the 'Souther Farms Solar' project under the January 5, 2016, Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-eared Bat and Activities Excepted from Take Prohibitions.

Dear Ryan Robinson:

The U.S. Fish and Wildlife Service (Service) received on September 04, 2020 your effects determination for the 'Souther Farms Solar' (the Action) using the northern long-eared bat (*Myotis septentrionalis*) key within the Information for Planning and Consultation (IPaC) system. This IPaC key assists users in determining whether a Federal action is consistent with the activities analyzed in the Service's January 5, 2016, Programmatic Biological Opinion (PBO). The PBO addresses activities excepted from "take"[1] prohibitions applicable to the northern long-eared bat under the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.).

Based upon your IPaC submission, the Action is consistent with activities analyzed in the PBO. The Action may affect the northern long-eared bat; however, any take that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o). Unless the Service advises you within 30 days of the date of this letter that your IPaC-assisted determination was incorrect, this letter verifies that the PBO satisfies and concludes your responsibilities for this Action under ESA Section 7(a)(2) with respect to the northern long-eared bat.

Please report to our office any changes to the information about the Action that you submitted in IPaC, the results of any bat surveys conducted in the Action area, and any dead, injured, or sick northern long-eared bats that are found during Action implementation. If the Action is not completed within one year of the date of this letter, you must update and resubmit the information required in the IPaC key.

This IPaC-assisted determination allows you to rely on the PBO for compliance with ESA Section 7(a)(2) only for the northern long-eared bat. It **does not** apply to the following ESA-protected species that also may occur in the Action area:

- Atlantic Salmon, *Salmo salar* (Endangered)

If the Action may affect other federally listed species besides the northern long-eared bat, a proposed species, and/or designated critical habitat, additional consultation between you and this Service office is required. If the Action may disturb bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act is recommended.

---

[1]Take means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct [ESA Section 3(19)].

Action Description
You provided to IPaC the following name and description for the subject Action.

1. Name

Souther Farms Solar

2. Description

The following description was provided for the project 'Souther Farms Solar':

> A 20.25 acre solar photovoltaic project located in Livermore Falls, ME

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/place/44.474433003379104N70.16048823000123W

Determination Key Result

This Federal Action may affect the northern long-eared bat in a manner consistent with the description of activities addressed by the Service's PBO dated January 5, 2016. Any taking that may occur incidental to this Action is not prohibited under the final 4(d) rule at 50 CFR §17.40(o). Therefore, the PBO satisfies your responsibilities for this Action under ESA Section 7(a)(2) relative to the northern long-eared bat.

Determination Key Description: Northern Long-eared Bat 4(d) Rule

This key was last updated in IPaC on May 15, 2017. Keys are subject to periodic revision.

This key is intended for actions that may affect the threatened northern long-eared bat.

The purpose of the key for Federal actions is to assist determinations as to whether proposed actions are consistent with those analyzed in the Service's PBO dated January 5, 2016.

Federal actions that may cause prohibited take of northern long-eared bats, affect ESA-listed species other than the northern long-eared bat, or affect any designated critical habitat, require ESA Section 7(a)(2) consultation in addition to the use of this key. Federal actions that may affect species proposed for listing or critical habitat proposed for designation may require a conference under ESA Section 7(a)(4).

Determination Key Result

This project may affect the threatened Northern long-eared bat; therefore, consultation with the Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.) is required. However, based on the information you provided, this project may rely on the Service's January 5, 2016, *Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-Eared Bat and Activities Excepted from Take Prohibitions* to fulfill its Section 7(a)(2) consultation obligation.

Qualification Interview

1. Is the action authorized, funded, or being carried out by a Federal agency?

   Yes

2. Have you determined that the proposed action will have "no effect" on the northern long-eared bat? (If you are unsure select "No")

   No

3. Will your activity purposefully **Take** northern long-eared bats?

   No

4. [Semantic] Is the project action area located wholly outside the White-nose Syndrome Zone?

   Automatically answered
   No

5. [Semantic] Is the project action area located within 0.25 miles of a known northern long-eared bat hibernaculum?

   Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency

   Automatically answered
   No

6. [Semantic] Is the project action area located within 150 feet of a known occupied northern long-eared bat maternity roost tree?

   Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency

   Automatically answered
   No

Project Questionnaire

If the project includes forest conversion, report the appropriate acreages below. Otherwise, type ‘0’ in questions 1-3.

1. Estimated total acres of forest conversion:

0

2. If known, estimated acres of forest conversion from April 1 to October 31

0

3. If known, estimated acres of forest conversion from June 1 to July 31

0

If the project includes timber harvest, report the appropriate acreages below. Otherwise, type ‘0’ in questions 4-6.

4. Estimated total acres of timber harvest

0

5. If known, estimated acres of timber harvest from April 1 to October 31

0

6. If known, estimated acres of timber harvest from June 1 to July 31

0

If the project includes prescribed fire, report the appropriate acreages below. Otherwise, type ‘0’ in questions 7-9.

7. Estimated total acres of prescribed fire

0

8. If known, estimated acres of prescribed fire from April 1 to October 31

0

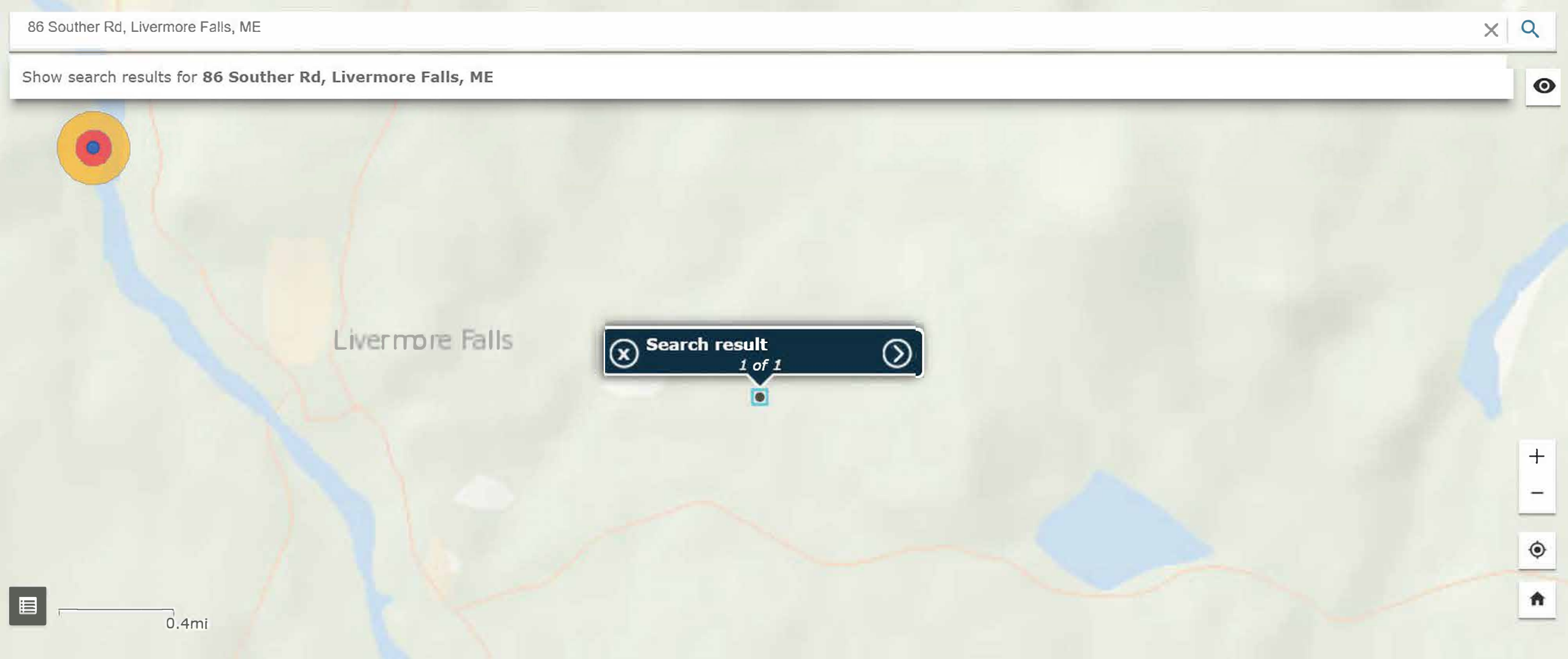
9. If known, estimated acres of prescribed fire from June 1 to July 31

0

If the project includes new wind turbines, report the megawatts of wind capacity below. Otherwise, type ‘0’ in question 10.

10. What is the estimated wind capacity (in megawatts) of the new turbine(s)?
0

Appendix 10 - Bald Eagle Nest Search - Souther Farms Solar


86 Souther Rd, Livermore Falls, ME
Show search results for 86 Souther Rd, Livermore Falls, ME
Livermore Falls
Search result
1 of 1
0.4mi

NORTHEAST BALD EAGLE PROJECT SCREENING FORM

Welcome!

What is the purpose of this form? The U.S. Fish and Wildlife Service (Service) designed this form as a voluntary tool to help people comply with the Bald and Golden Eagle Protection Act (BGEPA) by planning activities in a manner that avoids disturbing nesting bald eagles. To disturb a bald eagle nest means to agitate or bother a bald eagle to a degree that causes, or is likely to cause, that eagle to abandon its nest, suffer injury, or be unable to perform activities necessary to its survival. While all guidance included in this form is voluntary, individuals and organizations that disturb eagles may be subject to fine and prosecution under BGEPA.

How is this form different from the National Bald Eagle Management Guidelines? The National Bald Eagle Management Guidelines (Guidelines) is a document published by the Service in 2007 that provides background information on the biology of bald eagles, explains the Federal laws and regulations protecting them, and lays out guidance for several categories of human activities that can affect their nesting. This form takes the Guideline's recommendations, fits them to the regional conditions of the Northeast, and offers them to you in an interactive and intuitive format. Because the form fits its assessments and recommendations to the needs and behaviors of nesting bald eagles in the Northeast, you may find that it differs from the Guidelines on certain details. Nonetheless, the ultimate goal remains the same: to keep project proponents in compliance with BGEPA, while also protecting nesting bald eagles from disturbance.

How this form works. To complete this form, first, find the category of activities that includes your proposed activity. Then, go to the page listed for that category to assess whether your project may risk disturbing nesting bald eagles. If the form identifies that your activities may disturb nesting bald eagles, follow the recommended avoidance measures. These measures will identify factors that could influence nesting eagles' sensitivity to your activities: distance, visibility, timing, and exposure to other human activities. Sign the self-certification that you have committed to implementing the appropriate measures. If your proposed activities fall into multiple categories, repeat this process for each category. Additionally, if your project has the potential to affect multiple nests, complete a separate form for each nest site.

What to do with your completed form. Once you have signed your self-certification, keep the form for your personal records. You do not need to submit your completed form to the Service. Keep the form and additional pages that may be helpful to your future planning and compliance. If a local, state, or federal authority asks for documentation that you are complying with the Service's regional guidance, you can present them with your completed and signed form.

INTRODUCTION

What to know before you start. You will need a few pieces of information to help you complete this form.

Breeding Season

For temporary activities that might be loud or very visible, one of the simplest and most effective ways to avoid disturbing a bald eagle nest is to time the activity when eagles are not nesting, that is, outside the bald eagle breeding season. Wildlife agencies often refer to this type of measure as a time-of-year restriction. The bald eagle breeding season lasts approximately seven to eight months and has many stages. Start and end dates to this season can vary by location, year, and breeding pair. For simplicity, general dates are often set at a statewide level. Consult Appendix A to find the breeding season in your area.

Visibility

For some categories of activities, this form will ask whether your project activities will be visible to the nest. There are two general approaches to answering this question, a desktop assessment and a site visit. A desktop assessment involves consulting online mapping resources, such as Google Maps or state nest maps (see Appendix B), which can display your project location and the nest location on satellite or aerial imagery. When viewing this imagery, look to see whether there are landscape features or structures that might screen the nest's view of your activities. Your assessment is only as good as your imagery. Make sure the imagery is current and accurately reflects visibility conditions on the ground.

The second option is to visit your project location. Assess from various points in your project footprint whether you can see the nest. Use binoculars (4X power or greater) or spotting scope to assist your viewing. If you plan to visit the project site during the breeding season, be aware that your presence could also disturb the nest. Maintain 330' feet between you and the nest, or at least as much distance as the nearest ongoing foot traffic at the nest site. You should only perform your site visit from property legally accessible to you.

Using both the field and desktop approach will give you your best answer. If there is need to select between the two options, a site visit will generally provide a better sense of visibility. In either approach, consider that your activities may become more visible during portions of the year when leaves are off trees and other vegetation.

Nest Location

To figure out how close or how visible your activities will be, you will need precise knowledge of the nest's location. If you do not already have this information, check Appendix B to see if any online or state resources are available. If you are unable to get this information from any of these sources, survey the site. As when assessing visibility, you should only perform your visit on property legally accessible to you. You should also avoid coming within 330 feet of a nest during the breeding season, unless you know that the eagles have previously tolerated people at whatever shorter distance you are planning to use. For descriptions and examples of bald eagle nests, and explanation of how they differ from other large bird nests, see "Appendix C – Guide to Nest Identification."

If you feel unable to perform this search, consider employing the services of a wildlife biologist experienced in this type of surveying. Alternatively, consider contacting your state or local wildlife agency to see if they would be able to perform a site visit (please be aware that many state and local wildlife agencies are constrained in their resources and time and may not be able to offer this service). Be sensitive to sharing information about nest locations. Attracting public interest to a nest site can threaten the safety of that nest. Some states also continue to prohibit the release of nest locations.

It is possible that you will be unable to find a reported nest. While bald eagles commonly use nests across breeding seasons, nests do not always survive from one season to the next. Nests may fall apart of their own accord or be blown down by high winds. Bald eagles may also stop using a nest for one season or more, even if the nest as a structure still exists. In these scenarios, bald eagles may still reuse a former nest site in the following breeding seasons. The temporary absence of a nest or nesting eagles does not absolve you of your responsibilities to avoid disturbing future nesting at that site. The Service recommends implementing the measures included in this form for five years after the last breeding season eagles used a nest or, where the nest no longer exists, three years after the last breeding season in which the nest existed.

Similar Activities

One of the best indicators of what a nesting bald eagle pair will tolerate is what they have already tolerated. In certain places, this form will ask whether the nesting pair has experienced and tolerated similar activities at the nest location. To answer this question, you will need to know about previous human activity at that location. Was that activity similar in nature to what you propose? As close as or closer than what you propose to do? Did it occur at the same time of day? Time of year? Did it last as long? Was it as frequent? Was it as loud? Was it as visible? You will also need to know basic history about the nest. Did the nest exist before that previous activity? Was it ever used after that activity? If your answer to any of these questions is 'no,' you cannot answer 'yes' to the broader question of whether there is similar activity at that site. See "Appendix D – Similar Activity Example Exercise" for a demonstration of how to apply this principle.

Limitations

Know when and how you should be using this form. See "Appendix E – Limitations of this form."

Where to go for help. The Service understands that project proponents may occasionally need clarification on which assessments are relevant to them and how to implement certain avoidance and minimization measures. If you find you are unable to complete this form, you can contact your regional eagle coordinator (Tom Wittig) for assistance at

thomas_wittig@fws.gov - or - 413-253-8577

When emailing, please include in your subject line "BALD EAGLE SCREENING FORM QUESTION." If you are unable to connect with your regional eagle coordinator when calling, please leave a voice message that you are calling about this form and how best to reach you.

For explanation of technical terms used in this form, see "Appendix F – Glossary of Terms."

PROJECT INFORMATION

Project Name: Souther Farms Solar

City: Livermore Falls **County:** Androscoggin County **State:** ME

Lat/Long (decimal degrees; ex. *38.418310, -76.001096*)**:** 44.473910 -70.159660

Find Lat/Long via map

Size: 20.02 acres\miles

PROJECT CONTACT INFORMATION

Name: Eric Lee **Phone:** 818-640-6717

Address: 3900 West Alameda Avenue, 15th Floor
Los Angeles, CA 91505

Email: eric@alignedclimatecapital.com

If your project has a Federal (ex. U.S. Army Corps), state (ex. PNDI), or other ID number, please list here: _____

PROJECT ACTIVITY CATEGORY(S)

Place a check next to all activities you plan to perform.

- [x] Construction and Development Activities → go to pages 5 - 7
- [ ] Maintenance and Restoration Activities → go to pages 8 - 9
- [ ] Timber Operation and Forestry Practices → go to page 10
- [ ] Use of Helicopters and Fixed-wing Aircraft → go to page 11
- [ ] Blasting and Other Loud, Intermittent Noises (including Fireworks) → go to page 12
- [ ] Recreational Activities → go to pages 13 – 14

Feedback? The Service is continuously looking to improve this form. If you have suggested changes, please feel free to email them to us at thomas_wittig@fws.gov. Include "Bald Eagle Project Screening Form – Feedback" in your subject line.

Construction and Development Activities

Which specific construction activities do you plan to perform? (check all that apply)

- [x] Building construction
- [ ] Tree and land clearing
- [ ] Construction of roads, trails, canals, power lines, pipelines and other linear utilities
- [ ] Agriculture or aquaculture – new or expanded operations
- [ ] Alteration of shorelines or wetlands
- [ ] Installation of docks, piers, or moorings (pile driving may qualify as loud noise, page 12)
- [ ] Water impoundment or withdrawal
- [ ] Mining
- [ ] Oil and natural gas drilling and refining
- [ ] Wind farm construction
- [ ] Installation or expansion of marinas with a capacity of 6 or more boats
- [ ] Communications tower construction (excluding maintenance and repairs)

Is your activity similar to an ongoing or previous activity that coincided with the breeding season and that bald eagles tolerated? Consider both construction and use/operation of your project.

Consider all of the following elements/factors in answering:

-duration	-time of season	-area/footprint
-frequency	-visibility	-magnitude
-time of day	-distance	-nature

- [ ] Yes → No avoidance measures recommended. Go to self-certification (page 7).
- [x] No → Go to next question.

Will your activities be visible to the bald eagle nest(s)?

- [ ] Yes → Stop. Implement Avoidance Measures (AM) 2, 4, and 5 (see page 7)
- [x] No → Go to the next question

Which of these categories most closely matches your proposed project or activity?
(check all that apply)

☐ Building construction, 1 or 2 story, with a project footprint of ½ acre or less ☐ Construction of roads, trails, canals, power lines, or other linear utilities ☐ Agriculture or aquaculture – new or expanded operations ☐ Alteration of shorelines or wetlands ☐ Installation of docks or moorings ☐ Water impoundment or withdrawal ☐ Construction of communication towers **→ Implement AM 3, 4 and 5 (page 7)**	☐ Building construction or expansion, 3 or more stories ■ Building construction or expansion, 1 or 2 story, with project footprint more than ½ acre ☐ Mining ☐ Oil and natural gas drilling and refining ☐ Installation or expansion of marinas with a capacity of 6 or more boats **→ Go to the next question**

Is there a similar activity within 1 mile of the nest?

☐ Yes → Implement AM 3, 4 and 5 (see page 7)

■ No → Implement AM 1 and 5 (see page 7)

AVOIDANCE MEASURES - Place a check mark next to each avoidance measure (AM) that this form instructed you to implement and that you can commit to following. The Service recommends you follow the applicable AMs to prevent your activities from disturbing nesting bald eagles.

☒ AM 1 – Maintain a distance buffer of at least 660 feet (200 meters) between all project activities and the nest.

☐ AM 2 – Maintain a distance buffer of at least 660 feet (200 meters) between all project activities and the nest. If there is an existing human-made feature (e.g., house, road, dock) similar to your project that is closer than 660 feet and tolerated by the nesting eagles, maintain a distance buffer equal to or greater than the distance separating that tolerated feature and the nest.

☐ AM 3 – Maintain a distance buffer of at least 330 feet (100 meters) year-round between all project activities and the nest. If a similar activity (i.e., similar in kind and size) is closer than 330 feet and has been tolerated by eagles, the distance buffer will be the same or greater than that of the existing tolerated activity.

☐ AM 4 – Do not perform disruptive project activities within 660 feet (200 meters) of the nest during the breeding season. This time-of-year restriction is in addition to your recommended distance buffer. Disruptive activities include, but are not limited to, external construction, excavation, use of heavy equipment, use of loud equipment or machinery, vegetation clearing, earth disturbance, planting, and landscaping.

☒ AM 5 – Maintain existing landscape buffers that visually screen the activity from the nest.

Do you commit to following all recommended avoidance measures?

☒ YES – I certify that I have completed this form to the best of my ability, answered all questions completely and accurately, and committed to implementing all applicable avoidance measures.

Eric Lee _____ 12/29/2020

(signature) (date)

U.S. Fish and Wildlife Service Determination: Based on your responses and commitment to implementing all applicable avoidance measures, the Service has determined that your proposed activities are unlikely to disturb nesting bald eagles.

☐ NO – I am unable to follow one or more of the avoidance measures recommended by this form.

Go to page 15 for further instruction.

Maintenance and Restoration Activities

This category includes outdoor maintenance of existing structures or infrastructure, where the maintenance activity is temporary and obtrusive (e.g., requires use of heavy equipment or loud machinery), and within the previously disturbed footprint of the structure or infrastructure. If maintenance is proposed outside the previously disturbed footprint, see **Construction and Development Activities** (pages 5-7). This category also applies to the maintenance and restoration of natural habitats (e.g., wetlands, streams, rivers, non-forested uplands). This category does not include routine, ongoing activities to which bald eagles have already exhibited a tolerance (e.g., lawn mowing; plowing, planting or harvesting of agricultural fields; etc.).

Which maintenance or restoration activities do you plan to perform? (check all that apply)

- ☐ Maintenance of linear utilities (e.g., power lines, pipelines, water and sewer lines)
- ☐ Road, bridge, or culvert maintenance
- ☐ Trail, campground, or recreational area maintenance
- ☐ Maintenance of oil and gas wells, well pads, and storage tanks
- ☐ Maintenance of dams, levees, berms, canals and other water-control structures
- ☐ Pond, lake, or reservoir maintenance (draw downs, dredging)
- ☐ Stream or stream bank maintenance /restoration (e.g., stream bank fencing, stream bank stabilization, livestock crossings, in-stream habitat improvements, channel maintenance, dredging)
- ☐ Wetland maintenance / restoration (e.g., invasive plant control, restoration of hydrology)
- ☐ Prescribed burning for invasive control
- ☐ Upland habitat maintenance / restoration (e.g., planting or cutting of vegetation, invasive plant control, trash cleanup, abandoned mine lands restoration). This does not include activities in forests/woodlands (see **Timber Operation and Forestry Practices**) or in agricultural fields.

Is your activity similar to an ongoing or previous activity that coincided with the breeding season and that bald eagles tolerated? Consider both construction and use/operation of your project.

Consider all of the following elements/factors in answering:

-duration	-time of season	-area/footprint
-frequency	-visibility	-magnitude
-time of day	-distance	-nature

- ☐ Yes → No avoidance measures recommended. Go to self-certification.
- ☐ No → Go to Avoidance Measures.

AVOIDANCE MEASURES - Place a check mark next to each AM that you can commit to following. The Service recommends you follow these AMs to prevent your activities from disturbing nesting bald eagles.

☐ AM 6 - Within 660 feet (200 meters) of the nest, perform all loud and intrusive maintenance and restoration work outside the breeding season. These activities include, but are not limited to, the following: construction, excavation, use of heavy equipment, use of loud equipment or machinery, vegetation clearing, earth disturbance, planting, landscaping, and habitat restoration activities.

☐ AM 7 - Maintain existing landscape buffers that visually screen the activity from the nest.

☐ AM 8 - Do not perform prescribed burning within 660 feet (200 meters) of the nest during the breeding season. If there is no practicable alternative to scheduling prescribed burning during the breeding season, only conduct burns when adult eagles and young are absent from the nest tree (i.e., at the beginning of, or end of, the breeding season, either before the particular nest is in use or after the young have fledged from that nest).

☐ AM 9 - When performing prescribed burning within the drip line of the nest tree, rake leaves, vines, and woody debris from around the base of the tree to prevent fire from climbing the tree. When burning within a patch of forest containing the nest tree, take precautions to prevent crown fire.

Do you commit to following all recommended avoidance measures?

☐ YES – I certify that I have completed this form to the best of my ability, answered all questions completely and accurately, and committed to implementing all applicable avoidance measures.

_____ _____

(signature) (date)

U.S. Fish and Wildlife Service Determination: Based on your responses and commitment to implementing all applicable avoidance measures, the Service has determined that your proposed activities are unlikely to disturb nesting bald eagles.

☐ NO – I am unable to follow one or more of the avoidance measures recommended by this form.

Go to page 15 for further instruction.

Timber Operation and Forestry Practices

AVOIDANCE MEASURES - Place a check mark next to each AM that you can commit to following. The Service recommends you follow these AMs to prevent your activities from disturbing nesting bald eagles.

☐ AM 10 – Do not perform clear-cutting or overstory tree removal within 330 feet (100 meters) of the nest at any time of the year.

☐ AM 11 - During the breeding season, do not perform timber harvesting, road construction, chain saw use, or yarding operations within 660 feet (200 meters) of the nest. Around alternate nests (including nests that were attended during the current breeding season but not used to raise young), you may reduce this distance to 330 feet (100 meters), provided the eggs laid in another nest within the nesting territory have hatched.

☐ AM 12 – Do not construct or operate log transfer facilities and in-water log storage areas within 330 feet (100 meters) of nests at any time of the year.

☐ AM 13 – Do not perform selective thinning, prescribed burning, or other similar silviculture practices for the enhancement or conservation of habitat within 660 feet (200 meters) of the nest during the breeding season. If there is no practicable alternative to scheduling prescribed burning during the breeding season, only conduct burns when adult eagles and young are absent from the nest tree (i.e., at the beginning of, or end of, the breeding season, either before the particular nest is active or after the young have fledged from that nest).

☐ AM 14 – When performing prescribed burning within the drip line of the nest tree, rake leaves, vines, and woody debris from around the base of the tree to prevent fire from climbing the tree. When burning within a patch of forest containing the nest tree, take precautions to prevent crown fire.

Do you commit to following all recommended avoidance measures?

☐ YES – I certify that I have completed this form to the best of my ability, answered all questions completely and accurately, and committed to implementing all applicable avoidance measures.

_____ 12/29/2020

(signature) (date)

U.S. Fish and Wildlife Service Determination: Based on your responses and commitment to implementing all applicable avoidance measures, the Service has determined that your proposed activities are unlikely to disturb nesting bald eagles.

☐ NO – I am unable to follow one or more of the avoidance measures recommended by this form.

Go to page 15 for further instruction.

Use of a Helicopter and Fixed-wing Aircraft

Is your activity similar to an ongoing or previous activity that coincided with the breeding season and that bald eagles tolerated?

Consider all of the following elements/factors in answering:

-duration	-time of season	-area/footprint
-frequency	-visibility	-magnitude
-time of day	-distance	-nature

☐ Yes → No avoidance measures recommended. Go to self-certification.

☐ No → Go to Avoidance Measures.

AVOIDANCE MEASURES - Place a check mark next to each AM that you can commit to following. The Service recommends you follow this AM to prevent your activities from disturbing nesting bald eagles.

☐ AM 15 - During the breeding season, do not fly within 1000 feet (305 meters) of bald eagle nests.

Do you commit to following all recommended avoidance measures?

☐ YES – I certify that I have completed this form to the best of my ability, answered all questions completely and accurately, and committed to implementing all applicable avoidance measures.

_____ _____

(signature) (date)

U.S. Fish and Wildlife Service Determination: Based on your responses and commitment to implementing all applicable avoidance measures, the Service has determined that your proposed activities are unlikely to disturb nesting bald eagles.

☐ NO – I am unable to follow one or more of the avoidance measures recommended by this form.

Go to page 15 for further instruction.

Blasting and Other Loud, Intermittent Noises (including Fireworks)

Is your activity similar to an ongoing or previous activity that coincided with the breeding season and that bald eagles tolerated?

Consider all of the following elements/factors in answering:

-duration	-time of day	-distance
-frequency	-time of season	-volume

☐ Yes → No avoidance measures recommended. Go to self-certification.

☐ No → Go to Avoidance Measures.

AVOIDANCE MEASURES - Place a check mark next to each AM that you can commit to following. The Service recommends you follow this AM to prevent your activities from disturbing nesting bald eagles.

☐ AM 16 - During the breeding season, do not perform blasting and other activities that produce extremely loud noises within 1/2 mile (800 meters) of in-use nests. This measure also applies to the use of fireworks classified by the Federal Department of Transportation as Class B explosives, which includes the larger fireworks intended for licensed public display.

Do you commit to following all recommended avoidance measures?

☐ YES – I certify that I have completed this form to the best of my ability, answered all questions completely and accurately, and committed to implementing all applicable avoidance measures.

_____ _____

(signature) (date)

U.S. Fish and Wildlife Service Determination: Based on your responses and commitment to implementing all applicable avoidance measures, the Service has determined that your proposed activities are unlikely to disturb nesting bald eagles.

☐ NO – I am unable to follow one or more of the avoidance measures recommended by this form.

Go to page 15 for further instruction.

Recreational Activities

Is your activity similar to an ongoing or previous activity that coincided with the breeding season and that bald eagles tolerated?

Consider all of the following elements/factors in answering:

-duration	-time of season	-area/footprint
-frequency	-visibility	-magnitude
-time of day	-distance	-nature

☐ Yes → No avoidance measures recommended. Go to self-certification.

☐ No → Go to next question

Will your recreation occur during the breeding season?

☐ Yes → Go to Avoidance Measures.

☐ No → No avoidance measures recommended. Go to self-certification.

AVOIDANCE MEASURES – For each applicable recreational subcategory, place a check mark next to the AMs you can commit to following. The Service recommends you follow the applicable AMs to prevent your activities from disturbing nesting bald eagles.

Non-motorized recreation and human entry (including hiking, camping, fishing, hunting, canoeing)

☐ AM 17 - Stay at least 330 feet (100 meters) from the nest if you walk, bike, canoe, camp, fish, or hunt near an eagle nest during the breeding season and your activity will be visible or can be heard from the nest.

Off-road vehicle use (including snowmobiles)

☐ AM 18 - Stay at least 330 feet (100 meters) from the nest. In open areas, where there is increased visibility and exposure to noise, stay at least 660 feet (200 meters) from the nest.

Motorized watercraft use (including jet skis/personal watercraft)

☐ AM 19 - Do not operate jet skis (personal watercraft) or airboats within 330 feet (100 meters) of the nest.

☐ AM 20 - Avoid concentrations of noisy vessels (e.g. commercial fishing boats and tour boats) within 330 feet (100 meters) of the nest, except where eagles have demonstrated tolerance for such activity.

☐ AM 21 - For all motorized boat traffic within 330 feet (100 meters) of the nest, minimize trips and avoid stopping in the area, particularly where eagles are unaccustomed to boat traffic.

Do you commit to following all recommended avoidance measures?

☐ YES – I certify that I have completed this form to the best of my ability, answered all questions completely and accurately, and committed to implementing all applicable avoidance measures.

_____ _____

(signature) (date)

U.S. Fish and Wildlife Service Determination: Based on your responses and commitment to implementing all applicable avoidance measures, the Service has determined that your proposed activities are unlikely to disturb nesting bald eagles.

☐ NO – I am unable to follow one or more of the avoidance measures recommended by this form.

Go to page 15 for further instruction.

-- SEEK FURTHER GUIDANCE --

You have indicated that you are unable to implement all the recommended avoidance measures. Without all avoidance measures, your activities may risk disturbing nesting bald eagles.

Consult with your regional eagle coordinator to determine the appropriate next steps. The Service will work with you to help develop alternate measures to avoid disturbance of nesting bald eagles. If there are no feasible alternate measures, the Service may advise that you obtain an eagle incidental take permit to relieve you of legal liability in the event that your activities unintentionally disturb nesting bald eagles.

Contact your regional eagle coordinator (Tom Wittig) for assistance at thomas_wittig@fws.gov

When emailing, please include in your subject line "[Your project name] – SCREENING FORM FURTHER GUIDANCE." In the body of your message, include

-a brief description of your project, including its location and when you plan to start;

-the activity category(s);

-the ID number(s) (e.g., AM 5) of the Avoidance Measure(s) you are unable to implement; and

-the nest location(s), if available.

To see the Service's eagle incidental take permit application form, go to

https://www.fws.gov/forms/3-200-71.pdf

For answers to Frequently Asked Questions on this form, go to

https://www.fws.gov/migratorybirds/pdf/policies-and-regulations/3-200-71FAQ.pdf

The Service advises you talk with your regional eagle coordinator before deciding to apply.

APPENDIX A

Bald Eagle Breeding Season by State

State	Breeding Season
VA	December 15 – July 15
DC	December 15 – July 15
WV	January 1 – June 30
MD	December 15 – June 30
DE	December 15 – June 30
PA	January 1 – July 31
NY	January 1 – September 30
NJ	January 1 – July 31
RI	January 1 – July 31
CT	January 1 – July 31
MA	January 1 – August 15
VT	February 1 – August 15
NH	February 1 – August 15
ME (coastal)	February 1 – August 15
ME (northern)	March 1 – August 30

APPENDIX B

State Mapping Resources

Connecticut

Contact state
Brian Hess, CT DEEP
Brian.Hess@ct.gov

Delaware

Contact state
Katie Kadlubar, Delaware Division of Fish & Wildlife
Kathryn.Kadlubar@delaware.gov

DC

Contact National Park Service
Mikaila Milton, NPS
mikaila_milton@nps.gov

Maine

https://www.arcgis.com/apps/webappviewer/index.html?id=796b7baa18de43b49f911fe82dc4a0f1

Maryland

https://marylandbirds.org/report-bald-eagle-nest/

Massachusetts

Contact state
Andrew Vitz, MassWildlife
Andrew.vitz@state.ma.us

New Hampshire

Contact state
https://www2.des.state.nh.us/nhb_datacheck/signin.aspx

New Jersey

Contact state
https://www.nj.gov/dep/parksandforests/natural/heritage/datareq.html

New York

Contact state
https://www.dec.ny.gov/animals/31181.html

Pennsylvania

https://fws.maps.arcgis.com/apps/webappviewer/index.html?id=87ac96536654495b9f4041d81f75d7a0

Rhode Island

Contact state
DEM.DFW@dem.ri.gov

Vermont

Contact state
https://vtfishandwildlife.com/conserve/development-review

Virginia

https://www.ccbbirds.org/maps/#eagles

West Virginia

Contact state
Rich Bailey, WVDNR
Richard.S.Bailey@wv.gov

Please note that maps are not exhaustive records of all nests within that state.

APPENDIX C

Guide to Nest Identification

Is it a bald eagle nest? Because bald eagle populations have grown so rapidly in recent years, not every bald eagle nest is registered to an online map or known to wildlife management agencies. As a result, project screening form users may occasionally have to make their own assessment of whether the nest near their project or activity is a bald eagle nest. Users should be cautious in making these determinations. Bald eagle nests can easily be confused with nests of other large birds such as osprey.

This guide will help landowners and project proponents assess whether a nest belongs to bald eagles or another species. It describes for readers the most commonly encountered large nests in the Northeast, with several reference figures for bald eagle nests, and provides tips for telling nest types apart. Any user who reads this guide and still feels uncertain about what type of nest they have encountered should contact their regional eagle coordinator for further guidance.

Common types of large nests.

Bald Eagle

The most notable aspect to a bald eagle nest is generally its size. Bald eagles build some of the largest nests in the world, with most nests around 5 feet in diameter and 3 feet in height (Fig. 1). Nests can grow well beyond these dimensions (Fig. 2), as bald eagles tend to repair and expand their nests each year and can use individual nests for decades. Bald eagle nests are mainly composed of large interwoven sticks. Nests will also have a soft interior bowl made up of materials such as hay, cornhusks, and grass clippings. However, this portion of the nest is rarely visible to human observers. The shape of bald eagle nests varies; they can take the general form of flat discs, inverted cones, cylinders (Fig. 2), or spheres (Fig. 3).

Bald eagles typically place their nests in prominent trees that sit above the surrounding forest canopy. These nest trees will often be on hillsides, lake and ocean shorelines, riverbanks, and forest edges. Nests are generally in the top third of a tree, below the crown, secured in a prominent fork off the main trunk (Fig 4.). Bald eagle nests can be in living deciduous (Fig. 3-4) and coniferous trees (Fig. 1), or dead trees (snags; Fig. 5). Within the Northeastern U.S., bald eagles use a wide range of tree types, including white pines, loblolly pines, tulip poplars, sycamores, oaks, and cottonwoods. Despite their common perception as an emblem of wilderness, bald eagles are also increasingly nesting on human-made structures such as electric transmission towers (Fig. 6) and communication towers.

Osprey

Osprey build large stick nests that can look quite similar to bald eagle nests. In general, osprey nests are smaller, flatter, more disorganized, and more often composed of unnatural materials, such as bailing twine and plastic bags. Osprey also show a stronger preference than bald eagles for human made structures, regularly nesting on light polls, channel markers, and cell towers. When osprey do select a natural support for their nest, it tends to be the topmost part of dead trees, in contrast to bald eagles, which seek out slightly lower portions of trees.

The best clue to which species occupies a nest, osprey or bald eagles, is who shows up. Bald eagles arrive back at their nests earlier in the year than osprey, but by late spring, both species are usually attending their nests. At this time of year, watching a nest over a period of hours will generally reveal which species is using it. However, through fall and early winter, both species are usually away from their nests. During these seasons, the only immediate sources of information on nest will be the physical details described above and online mapping resources.

In addition to the state maps for bald eagles listed in Appendix C, Osprey Watch (http://www.osprey-watch.org/) provides a mapping database of osprey nest locations. As with the bald eagle mapping resources, this map is thorough, but does not represent all existing nests.

Red-Tailed Hawk/Red-Shouldered Hawk

Generally around 1.5 feet wide and 2 feet tall, nests of red-tailed hawks and red-shouldered hawks are less than one-half the size of bald eagle nests. The individual sticks in these hawk nests also tend to be smaller, with diameters of about 1-2 inches. Overall appearance of these nests can be slightly more frayed and chaotic than that of bald eagle nests. Like bald eagles, both hawk species show a tendency towards nesting in upper portions of prominent trees. Red-tailed hawks also share bald eagle's occasional preference for human made structures such as cell towers and transmission towers.

Common Raven

Common ravens construct stick nests that vary substantially in size, from 1.5 to 5 feet across and from little over 0.5 to 2 feet high. The sticks making up the main structure of these nests can be around 3 feet in length and 1 inch in diameter. Ravens place their nests in a variety of natural and developed settings. Raven nests are easily confused with bald eagle nests when located on cell towers, transmission towers, or in trees. When situated in trees, these nests are usually in the upper portion of the tree in a crotch of the main tree stem. The best means of telling raven and bald eagle nests apart are likely size and shape; raven nests are noted for occasionally being asymmetric, and even at their larger sizes, they still tend to be smaller than bald eagle nests.

Great Horned Owl

In addition to nesting in tree cavities, great horned owls also frequently use the former nests of other animals, including squirrels, ravens, crows, and herons. The size and nature of a great horned owl nest therefore depends on the nest's original creator. Red-tailed hawk may be the most common source of nests for great horned owls in the Northeast. However, great horned owls will also occasionally take over bald eagle nests.

Heron

Herons nest in colonies known as "rookeries" where many nests are present; individual heron nests are rare. Multiple nests can be present in one tree and some nests may be located relatively high up or far out on branches. Nest sites are usually near water. Heron nests are mainly composed of sticks, and are flat and broad, often resembling a thin platform. Nests used for several years may grow taller and wider. Heron nests can give off a general impression of messiness or flimsiness.

Squirrel

Squirrel nests can reach basketball size or larger. They are distinguished from bird nests mainly by their materials, which include leaves and other soft vegetation material (e.g., grasses), and very few sticks. They are usually round shaped, and often look messy.

Legal definitions and protections for eagle and migratory bird nests.

Eagle Nests

BGEPA protects eagle nests in same manner it protects eagles; they cannot be destroyed, possessed, or relocated without a permit from the Service, which the Service only provides under a limited set of circumstances. Regulation defines an eagle nest as "any assemblage of materials built, maintained, or used by bald eagles or golden eagles for the purpose of reproduction" (50 CFR 22.3). A nest is an eagle nest if it was built by or ever used by eagles, even if other species of birds played a role in the nest's history. For example, if osprey build a nest and eagles take that nest over, legally, the nest is an eagle nest. Alternatively, if great horned owls begin to use a nest originally built by eagles, that nest remains an eagle nest for as long as it exists. An eagle nest also retains protection regardless of where it was built, whether it was ever finished or successful, or when it was last used. Additionally, BGEPA's protections apply regardless of the nest's size and condition.

Migratory Bird Nests

The Migratory Bird Treaty Act (MBTA) protects migratory bird nests in the many of the same ways that BGEPA protects eagle nests. Unless a permit is in place, migratory bird nests cannot be possessed or relocated at any time or intentionally destroyed while active. One notable difference between MBTA and BGEPA is MBTA's standard on inactive nests. If a migratory bird nest is inactive, meaning it does not contain viable eggs or chicks, it can be destroyed without a permit. (Note: the

terms ‘active’ and ‘inactive’ here are different from the ‘in-use’ and ‘alternate’ standards used for eagle nests [see Appendix E for definitions].) For more information, please read the Service’s 2018 Nest Destruction Memo. Bird species protected under MBTA are listed under regulation at 50 CFR 10.13. Additional protections not described here apply to any migratory bird species listed under the Endangered Species Act. Tribal, state, and local laws may also place greater restrictions on the destruction of migratory bird nests.

Figure 1.

Figure 2.

Figure 3.

Figure 4.

Figure 5.

Figure 6.

APPENDIX D

Similar Activity Example Exercise

What is the purpose of this appendix? This appendix provides project screening form users with an example of how to assess the similarity between two activities. By reading through this example, landowners and project proponents can develop a better sense of what factors they should consider when answering the question of whether their activity is similar to an ongoing or previous activity tolerated by eagles.

In the example scenario, a proposed residential construction project is compared to previous farming activity. The example starts with an overview of the historic farming activity, nest, and proposed project; then goes through a full assessment, set up in table format; and finally closes with a summary of the determination and explanation of how that determination would influence completion of the form.

What is the scenario?

Previous/Existing Activities

The project site is a large agricultural field that was farmed nearly every year for the past two decades. Human activity at the site was limited to occasional operation of heavy farm equipment. The broader area out to one mile includes other agricultural fields and medium density residential and commercial development.

Nest Location & History

Five years ago, a pair of bald eagles constructed a nest in a cottonwood located in the hedgerow bordering the agricultural field. The pair were unsuccessful in their first year, but fledged young from the nest each of the following four years up to present. Workers observed that the pair did not respond to operation of farming equipment, but became vigilant whenever an equipment operator stepped outside their vehicle.

Project Narrative

The proposed project will convert portions of the existing agricultural field to a residential development with 30 single-family homes, which places it under the screening form's Construction and Development category. Construction will require extending water, sewage, and electrical utilities and adding a small network of residential streets. Preparing each lot will involve grading, home and driveway construction, and landscaping. Ten acres of property near the nest will be signed over as a conservation easement.

Factor	Previous/Existing Activity: Farming	Proposed Activity: Construction	Similar?
NATURE	Heavy equipment preparing field, planting, and harvesting crop. Two-three workers, generally confined to closed cab tractors.	Twenty workers either in heavy equipment or on foot. Ground disturbance. Placement/extension of utilities. Landscaping. Construction of 20 homes.	No
HISTORY	Farming activity predated nesting and continued while eagles successfully fledged young from the nest. This success demonstrates the eagles tolerated the farming.	N/A	Yes
DISTANCE	Distance between farming activity and the nest tree was essentially 0 feet; the hedgerow in which the nest is located bounds the agricultural field.	Nearest lot boundary will be 400 feet from nest. Area between home and nest will be converted conservation easement and left in passive, natural state.	Yes
TIMING	Farming activity began in March and continued through October each year.	Proposed schedule is April through October.	Yes
DURATION	The field was generally worked for one to two days at time, from sunrise to sundown.	On days of construction activity, work will occur during standard business hours.	Yes
FREQUENCY	Intermittent. Farming occurred in stages (e.g., fertilizing, plowing, harvesting) and events were often separated by weeks or months.	Continuous. Work will occur most weekdays and occasionally on weekends.	No
NOISE	Farming equipment (e.g., tractor) generated loud noises within the range of 80 – 100 decibels.	Construction will not require blasting or pile driving. Construction equipment (e.g., backhoes) will generate loud noise within the range of 80 – 95 decibels.	Yes
VISBILITY	High. Because the field was flat and there was no vegetation other than the hedgerow, practically all farming activity was visible to the nest.	High. There will be no topography or vegetation screening view of construction. Visibility will only begin to lower once exterior walls are put up.	Yes

Final Assessment & Conclusion

The proposed construction activity is different from the historic farming activity in general nature and frequency. Construction will require more workers and more equipment, operating at greater intensity and higher frequency. Because of these differences, the construction cannot be considered similar to the historic farming activity, and it cannot be assumed that the breeding pair will tolerate the activity. Avoidance measures will be necessary to reduce the likelihood of disturbing the nest.

Having made these conclusions, the form user would mark 'No' to the question on page 5 of whether the activity was similar to an ongoing or previous activity. Then, at the next question the user would mark 'Yes' because the project would be visible to nest over the open intervening space. At that point, the form would direct them to implement AMs 2, 4, and 5. The project design, as proposed, would not meet AM 2, the 660-foot buffer. The user's options then would be to revise the project to eliminate the portions within 660 feet of the nest and sign the self-certification, or check no on the commitment to follow all recommended AMs and seek further guidance.

APPENDIX E

Limitations of This Form

This project screening form is not a permit or authorization to disturb bald eagles. It does not free you from legal liability under BGEPA. Rather, this form provides instruction on how to minimize the legal risk of disturbing nesting bald eagles.

The effectiveness of this form depends on the accuracy and completeness of your answers and your compliance with the avoidance measures. Using this form inappropriately may put you at risk of disturbing nesting bald eagles and violating BGEPA.

This form's recommendations are specific to the Northeast and may not be effective outside this region. If your project is in another area of the U.S., do not use this form. Instead, consult with your regional eagle biologist or migratory bird permit office for guidance matched to your locality.

This form only relates to managing activities near bald eagle nests. It does not provide direction on how to avoid disturbing bald eagle communal roosts and concentration areas, which, compared to nest sites, have different biological significance to eagles and present different sets of concerns. If you believe your activities have any potential to affect a communal roost or concentration area, consult the Guidelines document for guidance.

Conditions such as the location and existence of nests and surrounding habitat are subject to change between years. For this reason, the Service recommends revisiting your determinations every breeding season after completing this form until your project is complete. The more time that passes between when you complete this form and when you end your activities, the more likely it is that conditions will change enough that your original determinations no longer apply.

This form only addresses nesting bald eagles. To identify other USFWS-managed resources and suggested conservation measures for your project, go to https://ecos.fws.gov/ipac/.

Wind energy developers seeking to address potential take of eagles should use this form in conjunction with the Service's Eagle Conservation Plan Guidance. Use of this form alone will not assure wind projects' compliance with BGEPA's protections on disturbance or other take.

Certain states and localities have their own laws, regulations, and guidelines for protecting bald eagles and their nests. Completing this form does not guarantee that you are also in compliance with these other standards and/or regulations. If you are unfamiliar with your state and local standards, consult with the appropriate agencies and authorities.

You are responsible for ensuring that your activities comply with all applicable Federal, tribal, State, and local laws and regulations. This form will only help you in your compliance with BGEPA and its protections on the nesting activity of bald eagles.

APPENDIX F

Glossary of Terms

Alternate nest – one of potentially several nests within a nesting territory that is not an in-use nest at the current time. When there is no in-use nest, all nests in the territory are alternate nests. Also sometimes referred to as an inactive nest (e.g., in the Service's 2009 Eagle Rule).

Communal roost – an area where eagles gather repeatedly in the course of a season and shelter overnight and sometimes during the day in the event of inclement weather.

Disturb – to agitate or bother a bald or golden eagle to a degree that causes, or is likely to cause, based on the best scientific information available, 1) injury to an eagle, 2) a decrease in its productivity, by substantially interfering with normal breeding, feeding, or sheltering behavior, or 3) nest abandonment, by substantially interfering with normal breeding, feeding, or sheltering behavior.

In addition to immediate impacts, this definition also covers impacts that result from human-caused alterations initiated around a previously used nest site during a time when eagles are not present, if, upon the eagle's return, such alterations agitate or bother an eagle to a degree that injures an eagle or substantially interferes with normal breeding, feeding, or sheltering habits and causes, or is likely to cause, a loss of productivity or nest abandonment.

Eagle nest – any assemblage of materials built, maintained, or used by bald eagles or golden eagles for the purpose of reproduction.

Fledge – to leave the nest and begin flying. For bald eagles, this normally occurs at 10-12 weeks of age.

In-use nest – a bald or golden eagle nest characterized by the presence of one or more eggs, dependent young, or adult eagles on the nest in the past 10 days during the breeding season. Also sometimes referred to as an active nest.

Landscape buffer – a natural or human-made landscape feature that screens eagles from human activity (e.g., strip of trees, hill, cliff, berm, sound wall).

Nest abandonment – nest abandonment occurs when adult eagles desert or stop attending a nest and do not subsequently return and successfully raise young in that nest for the duration of a breeding season. Nest abandonment can be caused by altering habitat near a nest, even if the

alteration occurs prior to the breeding season. Whether the eagles migrate during the non-breeding season, or remain in the area throughout the non-breeding season, nest abandonment can occur at any point between the time the eagles return to the nesting site for the breeding season and the time when all progeny from the breeding season have dispersed.

Nesting territory – the area that contains one or more eagle nests within the home range of a mated pair of eagles, regardless of whether such nests were built by the current resident pair.

Northeast – Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Maryland, Delaware, Virginia, West Virginia, and the District of Columbia.

Project footprint – the area of land (and water) temporarily or permanently altered by a project.

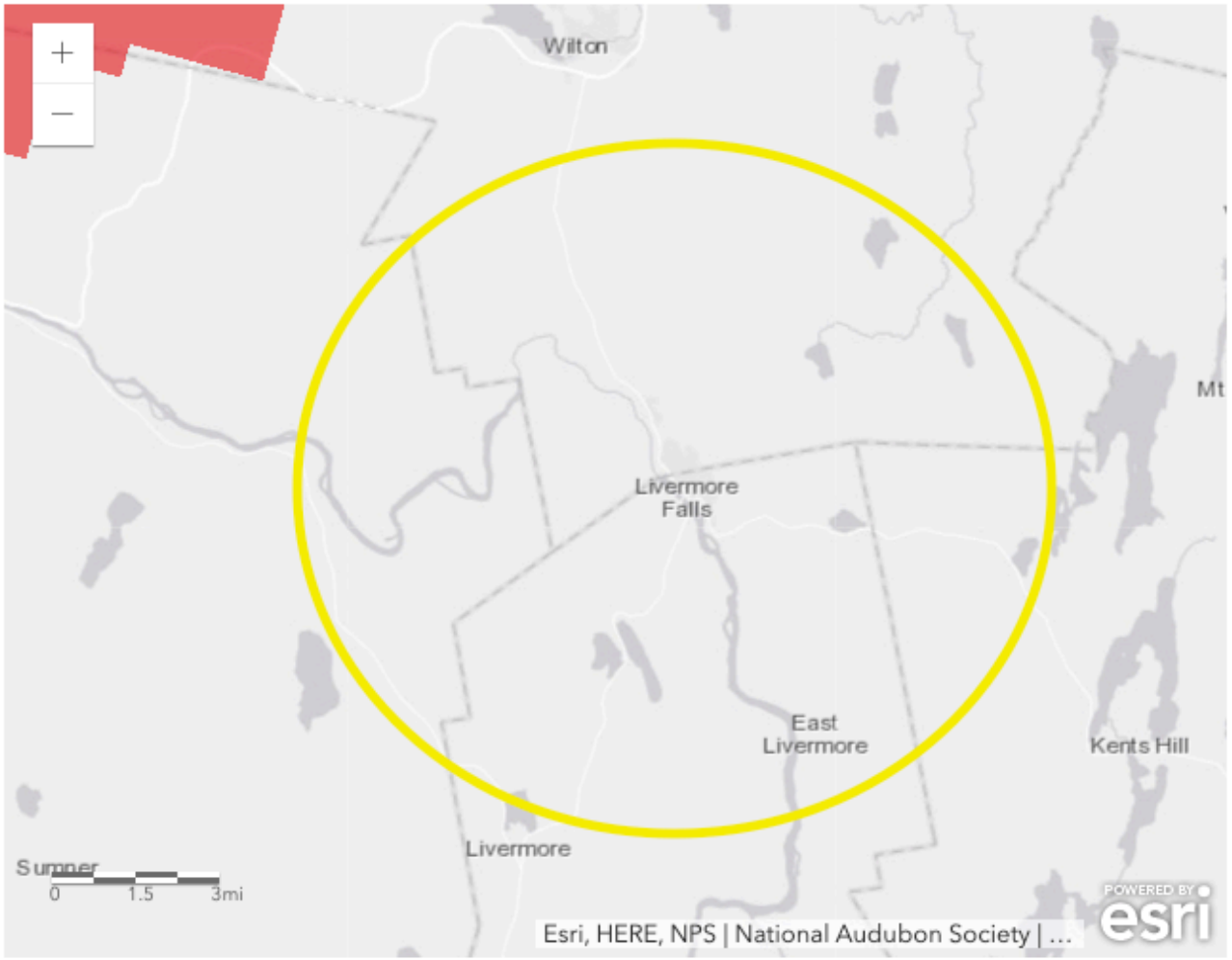
Tolerate – the acceptance of specific human activities by eagles at the nest site. Demonstrated in the eagles' continued ability to successfully feed, breed, and shelter, and the general absence of stress or agitation in their behavior.

Appendix 12 - Audubon Important Bird Ares for Souther Farms Solar Project Site

Important Bird Areas

Maine

View Another State: Maine



Maine IBA Contact

Susan Gallo

Maine IBAs by Type

IBA Priority	Number	Acres
Global	1	17,797,035
State	76	0
Total	**77**	**17,797,035**

22 Important Bird Areas across Maine! Read details {link:here.|**http://www.maineaudubon.org/conserve/iba/documents/IBAstoryspring08.pdf**}

Maine Advisory List of Invasive Plants - 2019 revision

Common Name	Scientific Name	Ranking
American water lotus	*Nelumbo lutea*	Severely invasive
Amur honeysuckle*	*Lonicera maackii*	Severely invasive
Asiatic bittersweet*	*Celastrus orbiculatus*	Severely invasive
Bella honeysuckle*	*Lonicera x bella*	Severely invasive
Black locust*	*Robinia pseudoacacia*	Severely invasive
Black swallowwort	*Cynanchum louiseae*	Severely invasive
Bohemian knotweed	*Fallopia x bohemica*	Severely invasive
Brazilian waterweed**	*Egeria densa*	Severely invasive
Canada thistle	*Cirsium arvense*	Severely invasive
Chinese yam	*Dioscorea polystachya*	Severely invasive
Chocolate vine; five-leaf akebia	*Akebia quinata*	Severely invasive
Common buckthorn	*Rhamnus cathartica*	Severely invasive
Common reed	*Phragmites australis*	Severely invasive
Curly pondweed**	*Potamogeton crispus*	Severely invasive
Eurasian milfoil**	*Myriophyllum spicatum*	Severely invasive
European alder	*Alnus glutinosa*	Severely invasive
European frog's bit**	*Hydrocharis morsus-ranae*	Severely invasive
False indigo*	*Amorpha fruticosa*	Severely invasive
Fanwort**	*Cabomba caroliniana*	Severely invasive
Flowering rush	*Butomus umbellatus*	Severely invasive
Garlic mustard*	*Alliaria petiolata*	Severely invasive
Giant knotweed	*Fallopia sachalinensis*	Severely invasive
Glossy buckthorn*	*Frangula alnus*	Severely invasive
Goutweed*	*Aegopodium podagraria*	Severely invasive
Hydrilla**	*Hydrilla verticillata*	Severely invasive
Inflated bladderwort	*Utricularia inflata*	Severely invasive
Japanese barberry*	*Berberis thunbergii*	Severely invasive
Japanese honeysuckle*	*Lonicera japonica*	Severely invasive
Japanese knotweed*	*Fallopia japonica*	Severely invasive
Japanese stilt grass*	*Microstegium vimineum*	Severely invasive
Morrow's honeysuckle*	*Lonicera morrowii*	Severely invasive
Ornamental jewelweed*	*Impatiens glandulifera*	Severely invasive
Pale swallowwort	*Cynanchum rossicum*	Severely invasive
Parrot feather**	*Myriophyllum aquaticum*	Severely invasive
Porcelainberry*	*Ampelopsis glandulosa*	Severely invasive
Reed canary grass	*Phalaris arundinacea*	Severely invasive
Slender-leaved naiad**	*Najas minor*	Severely invasive
Starry stonewort	*Nitellopsis obtusa*	Severely invasive
Starwort	*Callitriche stagnalis*	Severely invasive
Tall pepperwort	*Lepidium latifolium*	Severely invasive
Tartarian honeysuckle*	*Lonicera tatarica*	Severely invasive
Tree of heaven*	*Ailanthus altissima*	Severely invasive
Variable milfoil**	*Myriophyllum heterophyllum*	Severely invasive
Water chestnut**	*Trapa natans*	Severely invasive
Water lettuce	*Pistia stratiotes*	Severely invasive

**Plant regulated by the Do Not Sell list, Horticulture Program, DACF*

***Aquatic plant regulated by Maine DEP*

Maine Advisory List of Invasive Plants - 2019 revision

Common Name	Scientific Name	Ranking
Water soldier	*Stratiotes aloides*	Severely invasive
Wavyleaf basketgrass	*Oplismenus hirtellus ssp. undulatifolius*	Severely invasive
White cottonwood*	*Populus alba*	Severely invasive
Wineberry	*Rubus phoenicolasias*	Severely invasive
Winged euonymous*	*Euonymus alatus*	Severely invasive
Yellow floating heart**	*Nymphoides peltata*	Severely invasive
Yellow iris*	*Iris pseudacorus*	Severely invasive
Amur cork tree*	*Phellodendron amurense*	Very invasive
Amur maple*	*Acer ginnala*	Very invasive
Autumn olive*	*Elaeagnus umbellata*	Very invasive
Black jetbead	*Rhodotypos scandens*	Very invasive
Border privet	*Ligustrum obtusifolium*	Very invasive
California privet	*Ligustrum ovalifolium*	Very invasive
Callery ("Bradford") pear	*Pyrus calleryana*	Very invasive
Common barberry*	*Berberis vulgaris*	Very invasive
Creeping buttercup	*Ranunculus repens*	Very invasive
Dame's rocket*	*Hesperis matronalis*	Very invasive
English water grass	*Glyceria maxima*	Very invasive
European blackberry	*Rubus fruticosus*	Very invasive
Giant hogweed	*Heracleum mantegazzianum*	Very invasive
Hairy willow-herb	*Epilobium hirsutum*	Very invasive
Hardy kiwi	*Actinidia arguta*	Very invasive
Japanese hops	*Humulus japonicus*	Very invasive
Kudzu	*Pueraria lobata*	Very invasive
Leafy spurge	*Euphorbia esula*	Very invasive
Lesser celandine	*Ficaria verna*	Very invasive
Linden arrowwood	*Viburnum dilatatum*	Very invasive
Mile-a-minute vine*	*Persicaria perfoliata*	Very invasive
Multiflora rose*	*Rosa multiflora*	Very invasive
Narrowleaf bittercress	*Cardamine impatiens*	Very invasive
Norway maple*	*Acer platanoides*	Very invasive
Oriental photinia	*Photinia villosa*	Very invasive
Privet*	*Ligustrum vulgare*	Very invasive
Purple loosestrife*	*Lythrum salicaria*	Very invasive
Rugosa rose	*Rosa rugosa*	Very invasive
Water forget-me-not	*Myosotis scorpioides*	Very invasive
Wintercreeper	*Euonymus fortunei*	Very invasive
Yam-leaved virgin's bower	*Clematis terniflora*	Very invasive
Bicolor lespedeza, two-colored bush-clover	*Lespedeza bicolor*	Invasive, habitat-specific threats
Brown knapweed	*Centaurea jacea*	Invasive, habitat-specific threats
Chinese bindweed*	*Fallopia baldschuanica*	Invasive, habitat-specific threats
Chinese bush-clover	*Lespedeza cuneata*	Invasive, habitat-specific threats
Coltsfoot	*Tussilago farfara*	Invasive, habitat-specific threats

**Plant regulated by the Do Not Sell list, Horticulture Program, DACF*

***Aquatic plant regulated by Maine DEP*

Maine Advisory List of Invasive Plants - 2019 revision

Common Name	Scientific Name	Ranking
Dalmation toadflax	*Linaria dalmatica*	Invasive, habitat-specific threats
February daphne; paradise plant	*Daphne mezereum*	Invasive, habitat-specific threats
Fine-leaved sheep fescue	*Festuca filiformis*	Invasive, habitat-specific threats
Gray willow	*Salix cinerea*	Invasive, habitat-specific threats
Japanese tree lilac	*Syringa reticulata*	Invasive, habitat-specific threats
Mudmat	*Glossostigma cleistanthum*	Invasive, habitat-specific threats
One-rowed watercress	*Nasturtium microphyllum*	Invasive, habitat-specific threats
Oriental lady's thumb smartweed	*Persicaria longiseta*	Invasive, habitat-specific threats
Russian olive	*Elaeagnus angustifolia*	Invasive, habitat-specific threats
Siberian elm	*Ulmus pumila*	Invasive, habitat-specific threats
Siebold viburnum	*Viburnum sieboldii*	Invasive, habitat-specific threats
Spotted knapweed	*Centaurea stoebe*	Invasive, habitat-specific threats
Watercress	*Nasturtium officinale*	Invasive, habitat-specific threats
Wood blue grass	*Poa nemoralis*	Invasive, habitat-specific threats
Woodland angelica	*Angelica sylvestris*	Invasive, habitat-specific threats
Bittersweet or climbing nightshade	*Solanum dulcamara*	Potential to be invasive, monitor
Bull thistle	*Cirsium vulgare*	Potential to be invasive, monitor
Common mugwort*	*Artemisia vulgaris*	Potential to be invasive, monitor
Common valerian	*Valeriana officinalis*	Potential to be invasive, monitor
Creeping jenny	*Lysimachia nummularia*	Potential to be invasive, monitor
Cypress spurge*	*Euphorbia cyparissias*	Potential to be invasive, monitor
Princess tree*	*Paulownia tomentosa*	Potential to be invasive, monitor
Small carpgrass	*Arthraxon hispidus*	Potential to be invasive, monitor
Sycamore maple	*Acer pseudoplatanus*	Potential to be invasive, monitor
Western lupine	*Lupinus polyphyllus*	Potential to be invasive, monitor
Wild parsnip	*Pastinaca sativa*	Potential to be invasive, monitor
Yellow hornpoppy	*Glaucium flavum*	Potential to be invasive, monitor

Also evaluated in 2018; not meeting criteria for inclusion as invasive:

Common Name	Scientific Name	Outcome
Canada bluegrass, flat-stemmed bluegrass	*Poa compressa*	Not invasive at this time
Wild thyme	*Thymus pulegioides*	Not invasive at this time
European spindle-tree	*Euonymus europaeus*	Insufficient data to evaluate
False spiraea	*Sorbaria sorbifolia*	Insufficient data to evaluate
Fly honeysuckle	*Lonicera xylosteum*	Insufficient data to evaluate
Great watercress, great yellow-cress	*Rorippa amphibia*	Insufficient data to evaluate
Japanese fuki	*Petasites japonicus*	Insufficient data to evaluate
Wall lettuce	*Mycelis muralis*	Insufficient data to evaluate

**Plant regulated by the Do Not Sell list, Horticulture Program, DACF*

***Aquatic plant regulated by Maine DEP*

Appendix 14 - Section 106 Review: Full correspondence with the Maine Historic Preservation Commission

ALIGNED
CLIMATE CAPITAL

September 4, 2020

Kirk F. Mohney

Director and State Historic Preservation Officer

Maine Historic Preservation Commission

55 Capitol Street

65 State House Station

Augusta, ME 04333-0065

41 MADISON AVENUE
31ST FLOOR
NEW YORK, NY 10010

Dear Mr. Mohney,

In a letter dated August 27, 2019, Aligned Climate Capital (Aligned) requested review of a solar photovoltaic (PV) project under the name Camden Solar. On September 4, 2019, the Maine Historic Preservation Commission (MHPC) replied to the letter informing Aligned that no impact was apparent to historic properties and no additional review was required (Attchment 1). In the time since the first request for review was submitted to the MHPC, the project has been expanded on the same site and renamed Souther Farms Solar to reflect the redesign. The historic buildings under consideration during the first review have remained unchanged.

Aligned is now seeking financial assistance from the U.S. Department of Agriculture's Rural Utilities Service (RUS) under its direct loan program pursuant to the Rural Electrification Act of 1936 for Souther Farms Solar as shown on the attached project site map (Attachment 2).

Souther Farms Solar is a proposed 5,125 kilowatt (kW_{DC}) ground-mount solar photovoltaic (PV) facility located at 86 Souther Road, Livermore Falls, ME 04254. The project is expected to deliver its renewable electricity generation to six offtakers, each of which will purchase the electricity under a 25-year Power Purchase Agreement. The project will be owned by Aligned Solar Partners 4 LLC (ASP4), which is a single purpose entity established for the sole purpose of owning solar PV facilities. An affiliate of Aligned, Aligned Partners Management LLC, will serve as the manager of

ASP4. ReVision Energy, Inc. is developing the project and will also construct and operate the project on behalf of ASP4.

Specifically, the proposed project has the following characteristics and includes the following elements within the Area of Potential Effect (APE).

Project Detail	Notes
Number of PV Modules Installed	7,020 (355W) and 7,020 (375W)
Final Height of Modules	12’
Final Height of Perimeter Fence	7’
Depth of Driven Pile for PV Racking	8’
Depth of Driven Pile for Perimter Fence	4’
Presence of Adjacent Structures >50 y.o.	Yes (see Attachment 2)
Buried Electrical Transmission Lines	No

If RUS elects to fund Souther Farms Solar, it will become undertaking subject to review under Section 106 of the National Historic Preservation Act, 54 U.S.C. 306108, and its implementing regulations, 36 CFR Part 800. Pursuant to 36 CFR § 800.2(c)(4), and 7 CFR § 1970.5(b)(2) of the regulations, “Environmental Policies and Procedures” (7 CFR Part 1970), RUS has issued a blanket delegation for its applicants to initiate and proceed through Section 106 review.

In accordance with this blanket delegation, Aligned is initiating Section 106 review on behalf of RUS. In delegating this authority, RUS is advocating for the direct interaction between its borrowers and the relevant Tribal Historic Preservation Officer (THPO) or official Tribal designees on these matters. RUS believes this interaction, prior to direct agency involvement, will support and encourage the consideration of impacts to historic properties earlier in project planning.

Aligned proposes that the area of potential effects (APE) for the referenced project consists of the project site location, the interconnection point, and the existing access roads as shown on the enclosed site map (Attachment 2). The geographic scope of the APE will not be final until a determination is made by RUS pursuant to 36 CFR § 800.4(a)(1).

At the direction of RUS, Aligned has also notified and is seeking information about possibly affected historic properties in the APE from the Penobscot Nation and the Aroostook Band of Micmacs.

We request that you review the project design, maps, and other attached materials. After completing your review, please provide Aligned with your recommendation(s) about whether or not study of the APE is needed to identify affected historic properties. If you recommend study, please explain the nature and scope of the proposed investigation specifically in reference to those factors identified in 36 CFR §800.4(b)(1).

We request that you submit your recommendations within thirty (30) days of your receipt of this request to Ryan Robinson, Vice President, Aligned Climate Capital LLC, 386.341.3455, ryan@alignedclimatecapital.com

If no timely response is received, Aligned will notify RUS so the federal agency may determine how to proceed with Section 106 review in accordance with 36 CFR § 800.3(b)(4). Should you have any questions, please contact Ryan Robinson at ryan@alignedclimatecapital.com or 386.341.3455.

Sincerely,

Ryan Robinson

Ryan Robinson

Vice President

Aligned Climate Capital LLC

ATTACHMENTS

1. Camden Solar – Response from MHPC to letter sent August 27, 2019
2. Souther Farms Solar Project Site Map

3. Souther Farms US Topographical Map
4. Additional Information on Buildings Adjacent to Project Site Older than 50 Years

MAINE HISTORIC PRESERVATION COMMISSION
55 CAPITOL STREET
65 STATE HOUSE STATION
AUGUSTA, MAINE
04333

JANET T. MILLS
GOVERNOR

KIRK F. MOHNEY
DIRECTOR

September 4, 2019

Mr. Brendan Bell
Aligned Climate Capital
41 Madison Avenue
31st Floor
New York, NY 10010

Project: MHPC# 1214-19 Camden Solar; 58 Souther Road
Proposed 2,000 Kilowatt Ground Mount Solar Facility
Town: Livermore Falls, ME

Dear Mr. Bell:

In response to your recent request, I have reviewed the information received August 28, 2019 to initiate consultation on the above referenced project in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA).

Based on the information submitted, I have concluded that there will be no historic properties (architectural or archaeological) affected by this proposed undertaking, as defined by Section 106.

Please contact Megan Rideout at (207) 287-2992 or megan.m.rideout@maine.gov if we can be of further assistance in this matter.

Sincerely,

Kirk F. Mohney

Kirk F. Mohney
State Historic Preservation Officer

PHONE: (207) 287-2132 FAX: (207) 287-2335

NOTES:
1. SEE DRAWING C-100 FOR PLAN AND DRAWING REFERENCES.
2. WETLANDS DELINEATED BY AL FRICK ASSOCIATES, INC., DATED 4/28/2020.

REV.	BY	DATE	STATUS
	DPD	7/2020	ISSUED FOR TOWN AND MEDEP REVIEW

STATE OF MAINE DANIEL DIFFIN 11841 LICENSED PROFESSIONAL ENGINEER

3.9 MW AC SOLAR ARRAY
CAMDEN SOLAR, LLC
LIVERMORE FALLS, MAINE

SITE OVERVIEW PLAN

SME SEVEE & MAHER ENGINEERS
ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE
4 Blanchard Road, PO Box 85A, Cumberland, Maine 04021
Phone 207.829.5016 • Fax 207.829.5692 • smemaine.com

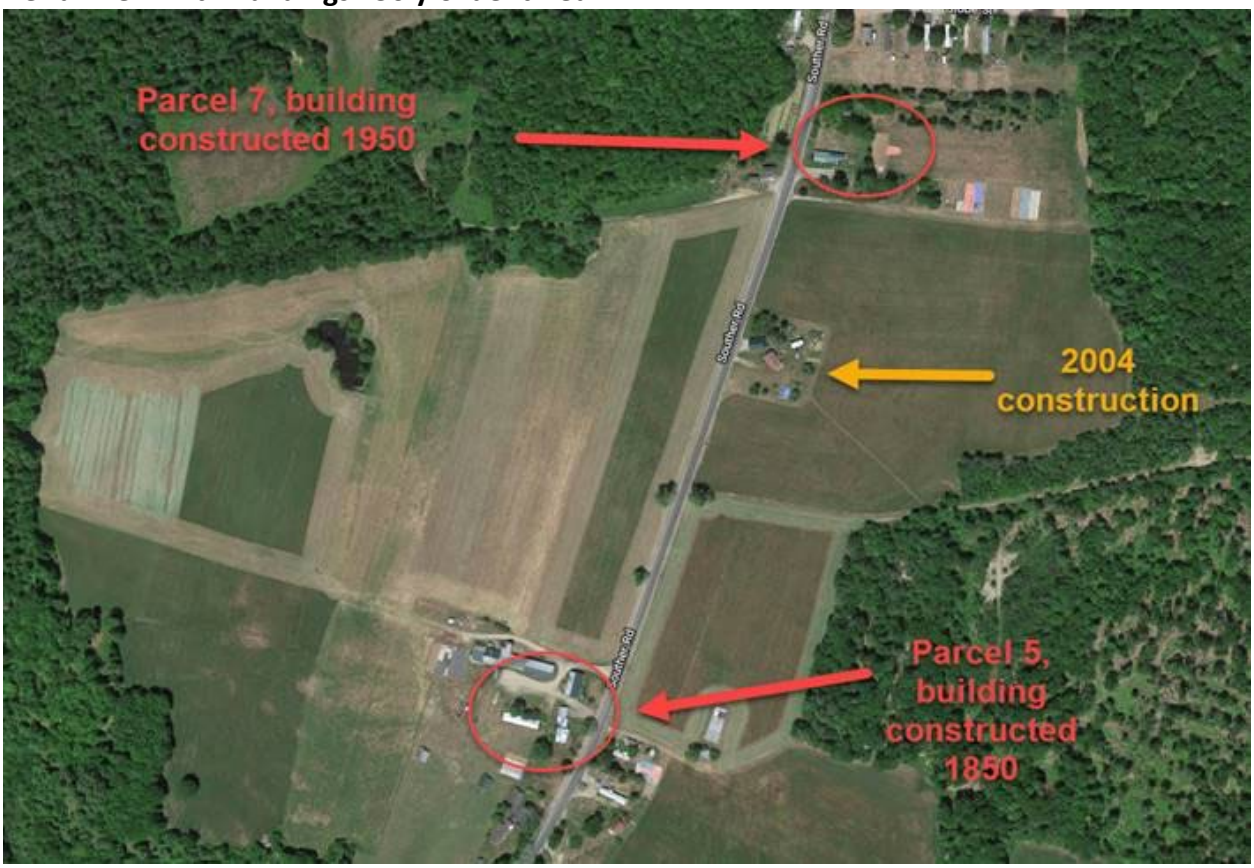
DESIGN BY: JTR
DRAWN BY: JRL
DATE: 1/2020
CHECKED BY:
LMN: SITEOVER
CTB: SME-STD

JOB NO. 19274 DWG FILE BASE

C-102

ATTACHMENT 2 – Souther Farms Solar

Aerial View with Buildings >50 y.o identified



Appendix 15 - Section 106 Review: Full correspondence with the Aroostook Band of Micmacs

USDA
United States Department of Agriculture

Rural Development

Rural Utilities Service

1400 Independence Ave SW, Room 2242
Stop 1570
Washington, DC 20250

Voice 202.720.2567
Fax 202.690.0649

12/21/2020

Edward Peter Paul
Chief, Aroostook Band of Micmacs
7 Northern Road
Presque Isle, ME 04769

Subject: USDA RUS Staff THPO Recommended Finding of No Historic Properties Affected
Souther Farms Solar
86 Souther Road, Livermore Falls, ME 04254

Dear Chief Paul:

As you may know, Aligned Climate Capital is seeking financial assistance from the USDA Rural Development (RD), Rural Utilities Service (RUS) under its its Rural Electrification Act of 1936 for Souther Farms Solar (Project).

Aligned Climate Capital notified the Aroostook Tribe on September 4, 2020 about the above-referenced project (see Enclosure). RUS understands that the COVID-19 outbreak has caused many State, Tribal and Native Hawaiian historic preservations offices to close or has hindered their ability to carry out their Section 106 duties due to lack of staff availability, health conditions, or furloughs. As RUS has not received a response to the letters issued on September 4, 2020, RUS would like to provide the Aroostook Tribe an additional opportunity to comment before the agency makes a final determination.

Souther Farms Solar is a proposed 5,125 kilowatt (kWDC) ground-mount solar photovoltaic (PV) facility located at 86 Souther Road, Livermore Falls, ME 04254. The project is expected to deliver its renewable electricity generation to six offtakers, each of which will purchase the electricity under a 25-year Power Purchase Agreement. The project will be owned by Aligned Solar Partners 4 LLC (ASP4), which is a single purpose entity established for the sole purpose of owning solar PV facilities. An affiliate of Aligned, Aligned Partners Management LLC, will serve as the manager of ASP4. ReVision Energy, Inc. is developing the project and will also construct and operate the project on behalf of ASP4.]

If RUS elects to fund the Project, it will become an undertaking subject to review under Section 106 of the National Historic Preservation Act, 54 U.S.C. 306108, and its implementing regulations, 36 CFR Part 800.

RUS defines the area of potential effect (APE), as an area that includes all Project construction and excavation activity required to construct, modify, improve, or maintain any facilities; any right-of-way or easement areas necessary for the construction,

operation, and maintenance of the Project; all areas used for excavation of borrow material and habitat creation; all construction staging areas, access routes, utilities, spoil areas, and stockpiling areas. Impacts that come from the undertaking at the same time and place with no intervening causes, are considered "direct" regardless of its specific type (e.g., whether it is visual, physical, auditory, etc.). "Indirect" effects to historic properties are those caused by the undertaking that are later in time or farther removed in distance but are still reasonably foreseeable.

The APE for the referenced project consists of the project site location, the interconnection point, and the existing access roads as shown on the enclosed map. Additionally, The APE does not include any tribal lands as defined pursuant to 36 CFR § 800.16(x). The APE of this project does not include federal land(s).

On Septemeber 4, 2020 the following Indian tribes were notified about Souther Farms Solar: the Aroostook Tribe and the Penobscot Tribe. In a letter dated August 23, 2019, Aligned Climate Capital requested review of a solar photovoltaic (PV) project under the name Camden Solar. On September 6, 2019, the Penobscot Nation replied to the letter informing Aligned that no impact was apparent and no additional review was required. In the time since the first request for review was submitted to the Penobscot Nation, the project has been expanded on the same site and renamed Souther Farms Solar to reflect the redesign. Since the project redesign and reengagement with the two tribes on September 4, 2020, and December 18, 2020, there has been no response.

The enclosed documents titled, MHPC Consultation and Maine SHPO Letter for Souther Farms Project issued September 4, 2020 and September 21, 2020, respectively, describes the results of the State's review of the area of potential effects (APE). In summary, it was concluded that there will be no historic properties (architectural or acrachaelogical) affected by this proposed undertakuing, as defined by Section 106. Based on the findings of the Maine SHPO Letter for Souther Farms Projects issued September 21, 2020, a finding of no historic properties affected in accordance with 36 CFR § 800.4(d)(1) is appropriate for the referenced project.

It has been 108 days since Aligned Climate Capital sent the Aroostook Tribe a letter requesting a response from Tribes interested in participating in consultation for Souther Farms Solar. However, due to challenging circumstances, the agency is providing additional time to you for review of this project. Accordingly, RUS is re-submitting a finding of no historic properties affected in accordance with 36 CFR § 800.4(d)(1) and supporting documentation for review and consideration by the Aroostook Tribe.

Please provide your concurrence or objection, **electronically** within **15** business days of your receipt of this recommended finding. RUS may also attempt to contact the Aroostook Tribe by phone or email to ensure we have made every effort to contact the Aroostook Tribe so that you might participate in consultation for this undertaking. RUS will proceed to the next step and conclude Section 106 review if we do not receive a response within the additional review period provided, beyond the 30-day regulatory period provided by the regulations. Please direct any questions you may have to Michael Geiger at Michael.Geiger@usda.gov or 202.819.0076.

Sincerely,

Erika K. Martin Seibert, Ph.D.
Federal Preservation Officer, Archaeologist
Rural Utilities Service, Rural Development
U.S. Department of Agriculture

Enclosures
SHPO Letter
Initial Letter sent to Tribes
Log of Phone and email attempts

CC:

Barbara R. Britton, Director, Environmental and Engineering Staff, RUS

MAINE HISTORIC PRESERVATION COMMISSION
55 CAPITOL STREET
65 STATE HOUSE STATION
AUGUSTA, MAINE
04333

JANET T. MILLS
GOVERNOR

KIRK F. MOHNEY
DIRECTOR

September 21, 2020

Mr. Ryan Robinson
Aligned Climate Capital LLC
41 Madison Avenue
31st Floor
New York, NY 10010

Project: MHPC# 1214-19 Camden Solar; 58 Souther Road
Proposed Solar Project
Town: Livermore Falls, ME

Dear Mr. Robinson:

In response to your recent request, I have reviewed the information received September 4, 2020 to continue consultation on the above referenced project in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA).

Based on the information submitted, I have concluded that there will be no historic properties (architectural or archaeological) affected by this proposed undertaking, as defined by Section 106.

Please contact Megan Rideout at (207) 287-2992 or megan.m.rideout@maine.gov if we can be of further assistance in this matter.

Sincerely,

Kirk F. Mohney
State Historic Preservation Officer

PHONE: (207) 287-2132 FAX: (207) 287-2335

ALIGNED
CLIMATE CAPITAL

September 4, 2020

Edward Peter Paul

Chief, Aroostook Band of Micmacs

7 Northern Road

Presque Isle, ME 04769

41 MADISON AVENUE
31ST FLOOR
NEW YORK, NY 10010

Dear Chief Paul,

In a letter dated August 23, 2019, Aligned Climate Capital (Aligned) requested review of a solar photovoltaic (PV) project under the name Camden Solar (Attachment 1). In the time since the first request for review was submitted to the Aroostook Band of Micmacs, the project has been expanded on the same site and renamed Souther Farms Solar to reflect the redesign. Aligned is now seeking financial assistance from the U.S. Department of Agriculture's Rural Utilities Service (RUS) under its direct loan program pursuant to the Rural Electrification Act of 1936 for Souther Farms Solar as shown on the attached project site map (Attachment 2).

Souther Farms Solar is a proposed 5,125 kilowatt (kW_{DC}) ground-mount solar photovoltaic (PV) facility located at 86 Souther Road, Livermore Falls, ME 04254. The project is expected to deliver its renewable electricity generation to six offtakers, each of which will purchase the electricity under a 25-year Power Purchase Agreement. The project will be owned by Aligned Solar Partners 4 LLC (ASP4), which is a single purpose entity established for the sole purpose of owning solar PV facilities. An affiliate of Aligned, Aligned Partners Management LLC, will serve as the manager of ASP4. ReVision Energy, Inc. is developing the project and will also construct and operate the project on behalf of ASP4.

If RUS elects to fund Souther Farms Solar, it will become undertaking subject to review under Section 106 of the National Historic Preservation Act, 54 U.S.C. 306108, and its implementing regulations, 36 CFR Part 800. Pursuant to 36 CFR § 800.2(c)(4), and 7 CFR § 1970.5(b)(2) of the regulations, "Environmental Policies and

Procedures" (7 CFR Part 1970), RUS has issued a blanket delegation for its applicants to initiate and proceed through Section 106 review.

In accordance with this blanket delegation, Aligned is initiating Section 106 review on behalf of RUS. In delegating this authority, RUS is advocating for the direct interaction between its borrowers and the relevant Tribal Historic Preservation Officer (THPO) or official Tribal designees on these matters. RUS believes this interaction, prior to direct agency involvement, will support and encourage the consideration of impacts to historic properties earlier in project planning.

Aligned proposes that the area of potential effects (APE) for the referenced project consists of the project site location, the interconnection point, and the existing access roads as shown on the enclosed map (Attachment 2). The geographic scope of the APE will not be final until a determination is made by RUS pursuant to 36 CFR § 800.4(a)(1).

At the direction of RUS, Aligned has also notified and is seeking information about possibly affected historic properties in the APE from the Penobscot Nation.

We request that you please review the project design, maps, and other attached materials. After completing your review, please provide Aligned with your recommendation(s) about whether or not study of the APE is needed to identify affected historic properties. If you recommend study, please explain the nature and scope of the proposed investigation specifically in reference to those factors identified in 36 CFR §800.4(b)(1).

We request that you submit your recommendations within thirty (30) days of your receipt of this request to Ryan Robinson, Vice President, Aligned Climate Capital, 386.341.3455, ryan@alignedclimatecapital.com.

If no timely response is received, Aligned will notify RUS so the federal agency may determine how to proceed with Section 106 review in accordance with 36 CFR § 800.3(b)(4). Should you have any questions, please contact Ryan Robinson at ryan@alignedclimatecapital.com or 386.341.3455.

Sincerely,

Ryan Robinson

Vice President

Aligned Climate Capital LLC

ATTACHMENTS

1. Camden Solar August 23, 2019 Letter to Chief Edward Peter Paul
2. Souther Farms Solar Project Site Map

Appendix 16 - Section 106 Review: Full correspondence with the Penobscot Nation

USDA
United States Department of Agriculture

Rural Development

Rural Utilities Service

1400 Independence Ave SW, Room 2242
Stop 1570
Washington, DC 20250

Voice 202.720.2567
Fax 202.690.0649

12/21/2020

Kirk Francis
Chief
Penobscot Nation
12 Wabankai Way
Indian Island, ME 04468

Subject: USDA RUS Staff THPO Recommended Finding of No Historic Properties Affected
Souther Farms Solar
86 Souther Road, Livermore Falls, ME 04254

Dear Chief Francis:

As you may know, Aligned Climate Capital is seeking financial assistance from the USDA Rural Development (RD), Rural Utilities Service (RUS) under its its Rural Electrification Act of 1936 for Souther Farms Solar (Project).

Aligned Climate Capital notified the Penobscot Tribe on September 4, 2020 about the above-referenced project (see Enclosure). RUS understands that the COVID-19 outbreak has caused many State, Tribal and Native Hawaiian historic preservations offices to close or has hindered their ability to carry out their Section 106 duties due to lack of staff availability, health conditions, or furloughs. As RUS has not received a response to the letters issued on September 4, 2020, RUS would like to provide the Penobscot Tribe an additional opportunity to comment before the agency makes a final determination.

Souther Farms Solar is a proposed 5,125 kilowatt (kWDC) ground-mount solar photovoltaic (PV) facility located at 86 Souther Road, Livermore Falls, ME 04254. The project is expected to deliver its renewable electricity generation to six offtakers, each of which will purchase the electricity under a 25-year Power Purchase Agreement. The project will be owned by Aligned Solar Partners 4 LLC (ASP4), which is a single purpose entity established for the sole purpose of owning solar PV facilities. An affiliate of Aligned, Aligned Partners Management LLC, will serve as the manager of ASP4. ReVision Energy, Inc. is developing the project and will also construct and operate the project on behalf of ASP4.

If RUS elects to fund the Project, it will become an undertaking subject to review under Section 106 of the National Historic Preservation Act, 54 U.S.C. 306108, and its implementing regulations, 36 CFR Part 800.

RUS defines the area of potential effect (APE), as an area that includes all Project construction and excavation activity required to construct, modify, improve, or maintain

any facilities; any right-of-way or easement areas necessary for the construction, operation, and maintenance of the Project; all areas used for excavation of borrow material and habitat creation; all construction staging areas, access routes, utilities, spoil areas, and stockpiling areas. Impacts that come from the undertaking at the same time and place with no intervening causes, are considered "direct" regardless of its specific type (e.g., whether it is visual, physical, auditory, etc.). "Indirect" effects to historic properties are those caused by the undertaking that are later in time or farther removed in distance but are still reasonably foreseeable.

The APE for the referenced project consists of the project site location, the interconnection point, and the existing access roads as shown on the enclosed map. Additionally, The APE does not include any tribal lands as defined pursuant to 36 CFR § 800.16(x). The APE of this project does not include federal land(s).

On Septemeber 4, 2020 the following Indian tribes were notified about Souther Farms Solar: the Aroostook Tribe and the Penobscot Tribe. In a letter dated August 23, 2019, Aligned Climate Capital requested review of a solar photovoltaic (PV) project under the name Camden Solar. On September 6, 2019, the Penobscot Nation replied to the letter informing Aligned that no impact was apparent and no additional review was required. In the time since the first request for review was submitted to the Penobscot Nation, the project has been expanded on the same site and renamed Souther Farms Solar to reflect the redesign. Since the project redesign and reengagement with the two tribes on September 4, 2020, and December 18, 2020, there has been no response.

The enclosed documents titled, MHPC Consultation and Maine SHPO Letter for Souther Farms Project issued September 4, 2020 and September 21, 2020, respectively, describes the results of the State's review of the area of potential effects (APE). In summary, it was concluded that there will be no historic properties (architectural or acrachaelogical) affected by this proposed undertakuing, as defined by Section 106. Based on the findings of the Maine SHPO Letter for Souther Farms Projects issued September 21, 2020, a finding of no historic properties affected in accordance with 36 CFR § 800.4(d)(1) is appropriate for the referenced project.

It has been 108 days since Aligned Climate Capital sent the Penobscot Tribe a letter requesting a response from Tribes interested in participating in consultation for the Souther Farms Solar. However, due to challenging circumstances, the agency is providing additional time to you for review of this project. Accordingly, RUS is re-submitting a finding of no historic properties affected in accordance with 36 CFR § 800.4(d)(1) and supporting documentation for review and consideration by the Penobscot Tribe.

Please provide your concurrence or objection, **electronically** within **15** business days of your receipt of this recommended finding. RUS may also attempt to contact the Penobscot Tribe by phone or email to ensure we have made every effort to contact the Penobscot Tribe so that you might participate in consultation for this undertaking. RUS will proceed to the next step and conclude Section 106 review if we do not receive a response within the additional review period provided, beyond the 30-day regulatory

period provided by the regulations. Please direct any questions you may have to Michael Geiger at Michael.Geiger@usda.gov or 202.819.0076.

Sincerely,

Erika K. Martin Seibert, Ph.D.
Federal Preservation Officer, Archaeologist
Rural Utilities Service, Rural Development
U.S. Department of Agriculture

Enclosures
SHPO Letter
Original Letters sent to Tribes
Log of Phone and email attempts

CC:

Barbara R. Britton, Director, Environmental and Engineering Staff, RUS

MAINE HISTORIC PRESERVATION COMMISSION
55 CAPITOL STREET
65 STATE HOUSE STATION
AUGUSTA, MAINE
04333

JANET T. MILLS
GOVERNOR

KIRK F. MOHNEY
DIRECTOR

September 21, 2020

Mr. Ryan Robinson
Aligned Climate Capital LLC
41 Madison Avenue
31st Floor
New York, NY 10010

Project: MHPC# 1214-19 Camden Solar; 58 Souther Road
Proposed Solar Project
Town: Livermore Falls, ME

Dear Mr. Robinson:

In response to your recent request, I have reviewed the information received September 4, 2020 to continue consultation on the above referenced project in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA).

Based on the information submitted, I have concluded that there will be no historic properties (architectural or archaeological) affected by this proposed undertaking, as defined by Section 106.

Please contact Megan Rideout at (207) 287-2992 or megan.m.rideout@maine.gov if we can be of further assistance in this matter.

Sincerely,

Kirk F. Mohney
State Historic Preservation Officer

PHONE: (207) 287-2132 FAX: (207) 287-2335

ALIGNED
CLIMATE CAPITAL

September 4, 2020

Kirk Francis (Chief) and Christopher Sockalexis (THPO)

Penobscot Nation

12 Wabanaki Way

Indian Island, ME 04468

41 MADISON AVENUE
31ST FLOOR
NEW YORK, NY 10010

Dear Chief Francis and Mr. Sockalexis,

In a letter dated August 23, 2019, Aligned Climate Capital (Aligned) requested review of a solar photovoltaic (PV) project under the name Camden Solar (Attachment 1). On September 6, 2019, the Penobscot Nation replied to the letter informing Aligned that no impact was apparent and no additional review was required (Attchment 2). In the time since the first request for review was submitted to the Penobscot Nation, the project has been expanded on the same site and renamed Souther Farms Solar to reflect the redesign.

Aligned is now seeking financial assistance from the U.S. Department of Agriculture's Rural Utilities Service (RUS) under its direct loan program pursuant to the Rural Electrification Act of 1936 for Souther Farms Solar as shown on the attached project site map (Attachment 2).

Souther Farms Solar is a proposed 5,125 kilowatt (kW_{DC}) ground-mount solar photovoltaic (PV) facility located at 86 Souther Road, Livermore Falls, ME 04254. The project is expected to deliver its renewable electricity generation to six offtakers, each of which will purchase the electricity under a 25-year Power Purchase Agreement. The project will be owned by Aligned Solar Partners 4 LLC (ASP4), which is a single purpose entity established for the sole purpose of owning solar PV facilities. An affiliate of Aligned, Aligned Partners Management LLC, will serve as the manager of ASP4. ReVision Energy, Inc. is developing the project and will also construct and operate the project on behalf of ASP4.

If RUS elects to fund Souther Farms Solar, it will become undertaking subject to review under Section 106 of the National Historic Preservation Act, 54 U.S.C. 306108, and its implementing regulations, 36 CFR Part 800. Pursuant to 36 CFR § 800.2(c)(4), and 7 CFR § 1970.5(b)(2) of the regulations, "Environmental Policies and Procedures" (7 CFR Part 1970), RUS has issued a blanket delegation for its applicants to initiate and proceed through Section 106 review.

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Aligned proposes that the area of potential effects (APE) for the referenced project consists of the project site location, the interconnection point, and the existing access roads as shown on the enclosed map (Attachment 2). The geographic scope of the APE will not be final until a determination is made by RUS pursuant to 36 CFR § 800.4(a)(1).

At the direction of RUS, Aligned has also notified and is seeking information about possibly affected historic properties in the APE from the Aroostook Tribe.

We request that you please review the project design, maps, and other attached materials. After completing your review, please provide Aligned with your recommendation(s) about whether or not study of the APE is needed to identify affected historic properties. If you recommend study, please explain the nature and scope of the proposed investigation specifically in reference to those factors identified in 36 CFR §800.4(b)(1).

We request that you submit your recommendations within thirty (30) days of your receipt of this request to Ryan Robinson, Vice President, Aligned Climate Capital, 386.341.3455, ryan@alignedclimatecapital.com.

If no timely response is received, Aligned will notify RUS so the federal agency may determine how to proceed with Section 106 review in accordance with 36 CFR § 800.3(b)(4). Should you have any questions, please contact Ryan Robinson at ryan@alignedclimatecapital.com or 386.341.3455.

Sincerely,

Ryan Robinson

Ryan Robinson

Vice President

Aligned Climate Capital LLC

ATTACHMENTS

1. Camden Solar August 23, 2019 Letter to Penobscot Nation
2. Penobscot Nation response to August 23, 2019 Letter
3. Souther Farms Solar Project Site Map

ALIGNED
CLIMATE CAPITAL

August 23, 2019

Kirk Francis (Chief) and Christopher Sockalexis (THPO)

Penobscot Nation

12 Wabanaki Way

Indian Island, ME 04468

41 MADISON AVENUE
31ST FLOOR
NEW YORK, NY 10010

Dear Chief Francis and Mr. Sockalexis,

Aligned Climate Capital LLC (Aligned) is seeking financial assistance from the U.S. Department of Agriculture's Rural Utilities Service (RUS) under its direct loan program pursuant to the Rural Electrification Act of 1936 for Camden Solar as shown on the attached project site map (Attachment 1).

Camden Solar is a proposed 2,000 kilowatt (kW_{DC}) ground-mount solar photovoltaic (PV) facility located at 58 Souther Road, Livermore Falls, ME 04254 on less than 10 acres of land. The project is expected to deliver its renewable electricity generation to the Camden School Districts (MSAD 28), which will purchase the electricity under a [[XX]-year Power Purchase Agreement. The project will be owned by Aligned Solar Partners 2 LLC (ASP2), which is a single purpose entity established for the sole purpose of owning solar PV facilities. An affiliate of Aligned, Aligned Partners Management LLC, serves as the manager of ASP2. ReVision Energy, Inc. is developing the project and will also construct and operate the project on behalf of ASP2.

If RUS elects to fund Camden Solar, it will become undertaking subject to review under Section 106 of the National Historic Preservation Act, 54 U.S.C. 306108, and its implementing regulations, 36 CFR Part 800. Pursuant to 36 CFR § 800.2(c)(4), and 7 CFR § 1970.5(b)(2) of the regulations, "Environmental Policies and Procedures" (7 CFR Part 1970), RUS has issued a blanket delegation for its applicants to initiate and proceed through Section 106 review.

In accordance with this blanket delegation, Aligned is initiating Section 106 review on behalf of RUS. In delegating this authority, RUS is advocating for the direct interaction between its borrowers and the relevant Tribal Historic Preservation Officer (THPO) or official Tribal designees on these matters. RUS believes this interaction, prior to direct agency involvement, will support and encourage the consideration of impacts to historic properties earlier in project planning.

Aligned proposes that the area of potential effects (APE) for the referenced project consists of the project site location, the interconnection point, and the existing access roads as shown on the enclosed map (Attachment 1). The geographic scope of the APE will not be final until a determination is made by RUS pursuant to 36 CFR § 800.4(a)(1).

At the direction of RUS, Aligned has also notified and is seeking information about possibly affected historic properties in the APE from the Aroostock Band of Micmacs.

We request that you please review the project design, maps, and other attached materials. After completing your review, please provide Aligned with your recommendation(s) about whether or not study of the APE is needed to identify affected historic properties. If you recommend study, please explain the nature and scope of the proposed investigation specifically in reference to those factors identified in 36 CFR §800.4(b)(1).

We request that you submit your recommendations within thirty (30) days of your receipt of this request to Brendan Bell, Principal, Aligned Climate Capital, 202.669.5977, brendan@alignedclimatecapital.com.

If no timely response is received, Aligned will notify RUS so the federal agency may determine how to proceed with Section 106 review in accordance with 36 CFR § 800.3(b)(4). Should you have any questions, please contact Brendan Bell at brendan@alignedclimatecapital.com or 202.669.5977.

Sincerely,

Brendan Bell

Brendan Bell

Principal

Aligned Climate Capital LLC

ATTACHMENTS

1. Camden Solar Project Site Map


REVISION
ENERGY

PENOBSCOT NATION
CULTURAL & HISTORIC PRESERVATION
12 WABANAKI WAY, INDIAN ISLAND, ME 04468

CHRIS SOCKALEXIS – TRIBAL HISTORIC PRESERVATION OFFICER
E-MAIL: chris.sockalexis@penobscotnation.org

NAME	Brendan Bell
ADDRESS	Aligned Climate Capital 41 Madison Avenue, 31st Floor New York, NY 10010
OWNER'S NAME	Camden Solar
TELEPHONE	(202) 669-5977
EMAIL	brendan@alignedclimatecapital.com
PROJECT NAME	Installation of a 2,000 kW ground-mount solar PV facility
PROJECT SITE	Livermore Falls, ME
DATE OF REQUEST	August 23, 2019
DATE REVIEWED	September 6, 2019

Thank you for the opportunity to comment on the above referenced project. This project appears to have no impact on a structure or site of historic, architectural or archaeological significance to the Penobscot Nation as defined by the National Historic Preservation Act of 1966, as amended.

If Native American cultural materials are encountered during the course of the project, please contact my office at (207) 817-7471. Thank you for consulting with the Penobscot Nation Tribal Historic Preservation Office with this project.

Chris Sockalexis, THPO
Penobscot Nation

NOTES:
1. SEE DRAWING C-100 FOR PLAN AND DRAWING REFERENCES.
2. WETLANDS DELINEATED BY AL FRICK ASSOCIATES, INC., DATED 4/28/2020.

REV.	BY	DATE	STATUS
	DPD	7/2020	ISSUED FOR TOWN AND MEDEP REVIEW

STATE OF MAINE
DANIEL P. DIFFIN
11841
LICENSED PROFESSIONAL ENGINEER
7/1/2020

3.9 MW AC SOLAR ARRAY
CAMDEN SOLAR, LLC
LIVERMORE FALLS, MAINE

SITE OVERVIEW PLAN

SME
SEVEE & MAHER ENGINEERS
ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE
4 Blanchard Road, PO Box 85A, Cumberland, Maine 04021
Phone 207.829.5016 • Fax 207.829.5692 • smemaine.com

DESIGN BY: JTR
DRAWN BY: JRL
DATE: 1/2020
CHECKED BY:
LMN: SITEOVER
CTB: SME-STD

JOB NO. 19274
DWG FILE BASE
C-102

United States Census Bureau

QuickFacts

Androscoggin County, Maine

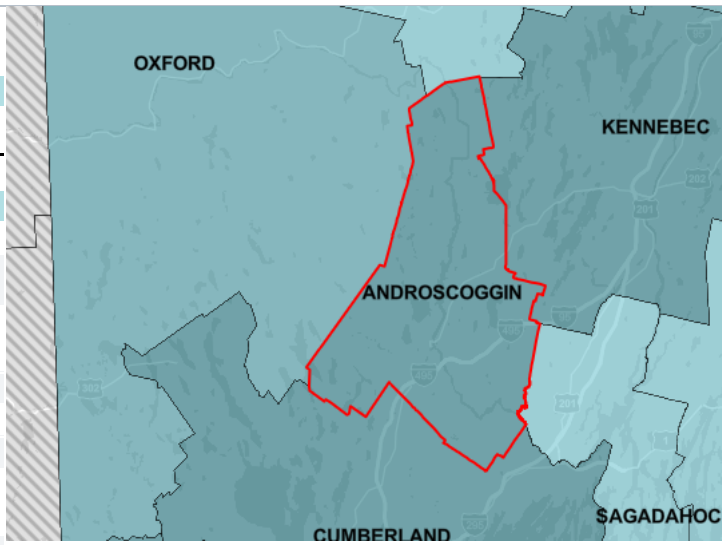
QuickFacts provides statistics for all states and counties, and for cities and towns with a ***population of 5,000 or more***.

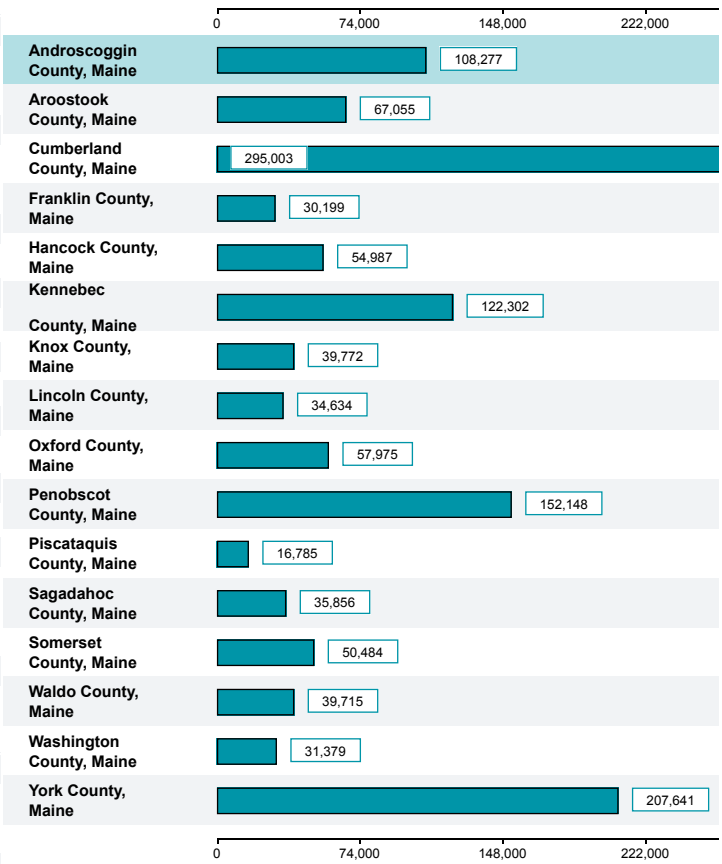
Dashboard - Androscoggin County, Maine

Population estimates, July 1, 2019, (V2019)

All Topics

	Androscoggin County, Maine
Population estimates, July 1, 2019, (V2019)	**108,277**
PEOPLE	
Population	
Population estimates, July 1, 2019, (V2019)	**108,277**
Population estimates base, April 1, 2010, (V2019)	107,709
Population, percent change - April 1, 2010 (estimates base) to July 1, 2019, (V2019)	0.5%
Population, Census, April 1, 2010	107,702
Age and Sex	
Persons under 5 years, percent	⚠ 5.8%
Persons under 18 years, percent	⚠ 21.5%
Persons 65 years and over, percent	⚠ 18.2%
Female persons, percent	⚠ 51.0%
Race and Hispanic Origin	
White alone, percent	⚠ 91.7%
Black or African American alone, percent (a)	⚠ 4.5%
American Indian and Alaska Native alone, percent (a)	⚠ 0.4%
Asian alone, percent (a)	⚠ 0.9%
Native Hawaiian and Other Pacific Islander alone, percent (a)	⚠ Z
Two or More Races, percent	⚠ 2.4%
Hispanic or Latino, percent (b)	⚠ 1.9%
White alone, not Hispanic or Latino, percent	⚠ 90.2%
Population Characteristics	
Veterans, 2015-2019	8,516
Foreign born persons, percent, 2015-2019	3.5%
Housing	
Housing units, July 1, 2019, (V2019)	50,310
Owner-occupied housing unit rate, 2015-2019	64.3%
Median value of owner-occupied housing units, 2015-2019	$158,200
Median selected monthly owner costs -with a mortgage, 2015-2019	$1,350
Median selected monthly owner costs -without a mortgage, 2015-2019	$540
Median gross rent, 2015-2019	$771
Building permits, 2019	228
Families & Living Arrangements	
Households, 2015-2019	45,630
Persons per household, 2015-2019	2.29
Living in same house 1 year ago, percent of persons age 1 year+, 2015-2019	84.3%
Language other than English spoken at home, percent of persons age 5 years+, 2015-2019	10.4%
Computer and Internet Use	
Households with a computer, percent, 2015-2019	89.7%
Households with a broadband Internet subscription, percent, 2015-2019	81.7%
Education	
High school graduate or higher, percent of persons age 25 years+, 2015-2019	90.2%
Bachelor's degree or higher, percent of persons age 25 years+, 2015-2019	22.8%
Health	
With a disability, under age 65 years, percent, 2015-2019	12.5%
Persons without health insurance, under age 65 years, percent	⚠ 9.8%
Economy	
In civilian labor force, total, percent of population age 16 years+, 2015-2019	65.5%
In civilian labor force, female, percent of population age 16 years+, 2015-2019	62.1%





Total accommodation and food services sales, 2012 ($1,000) (c)	153,320
Total health care and social assistance receipts/revenue, 2012 ($1,000) (c)	947,468
Total manufacturers shipments, 2012 ($1,000) (c)	1,886,855
Total merchant wholesaler sales, 2012 ($1,000) (c)	473,945
Total retail sales, 2012 ($1,000) (c)	1,818,065
Total retail sales per capita, 2012 (c)	$16,895
Transportation	
Mean travel time to work (minutes), workers age 16 years+, 2015-2019	24.1
Income & Poverty	
Median household income (in 2019 dollars), 2015-2019	$53,509
Per capita income in past 12 months (in 2019 dollars), 2015-2019	$28,956
Persons in poverty, percent	⚠ 10.4%

BUSINESSES

Businesses	
Total employer establishments, 2018	2,770
Total employment, 2018	45,409
Total annual payroll, 2018 ($1,000)	1,884,048
Total employment, percent change, 2017-2018	-0.2%
Total nonemployer establishments, 2018	6,622
All firms, 2012	7,493
Men-owned firms, 2012	3,963
Women-owned firms, 2012	2,451
Minority-owned firms, 2012	310
Nonminority-owned firms, 2012	6,794
Veteran-owned firms, 2012	661
Nonveteran-owned firms, 2012	6,261

GEOGRAPHY

Geography	
Population per square mile, 2010	230.2
Land area in square miles, 2010	467.93
FIPS Code	23001

Value Notes

⚠ Estimates are not comparable to other geographic levels due to methodology differences that may exist between different data sources.

Some estimates presented here come from sample data, and thus have sampling errors that may render some apparent differences between geographies statistically indistinguishable. Click the Quick Info ⓘ icon to the row in TABLE view to learn about sampling error.

The vintage year (e.g., V2019) refers to the final year of the series (2010 thru 2019). *Different vintage years of estimates are not comparable.*

Fact Notes

- **(a)** Includes persons reporting only one race
- **(b)** Hispanics may be of any race, so also are included in applicable race categories
- **(c)** Economic Census - Puerto Rico data are not comparable to U.S. Economic Census data

Value Flags

- **-** Either no or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest or upper int open ended distribution.
- **D** Suppressed to avoid disclosure of confidential information
- **F** Fewer than 25 firms
- **FN** Footnote on this item in place of data
- **N** Data for this geographic area cannot be displayed because the number of sample cases is too small.
- **NA** Not available
- **S** Suppressed; does not meet publication standards
- **X** Not applicable
- **Z** Value greater than zero but less than half unit of measure shown

QuickFacts data are derived from: Population Estimates, American Community Survey, Census of Population and Housing, Current Population Survey, Small Area Health Insurance Estimates, Small Area Income and P Estimates, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits.

/

Appendix 18 - EPA EJScreen Report - Souther Farms Solar

EJSCREEN Report (Version 2019)

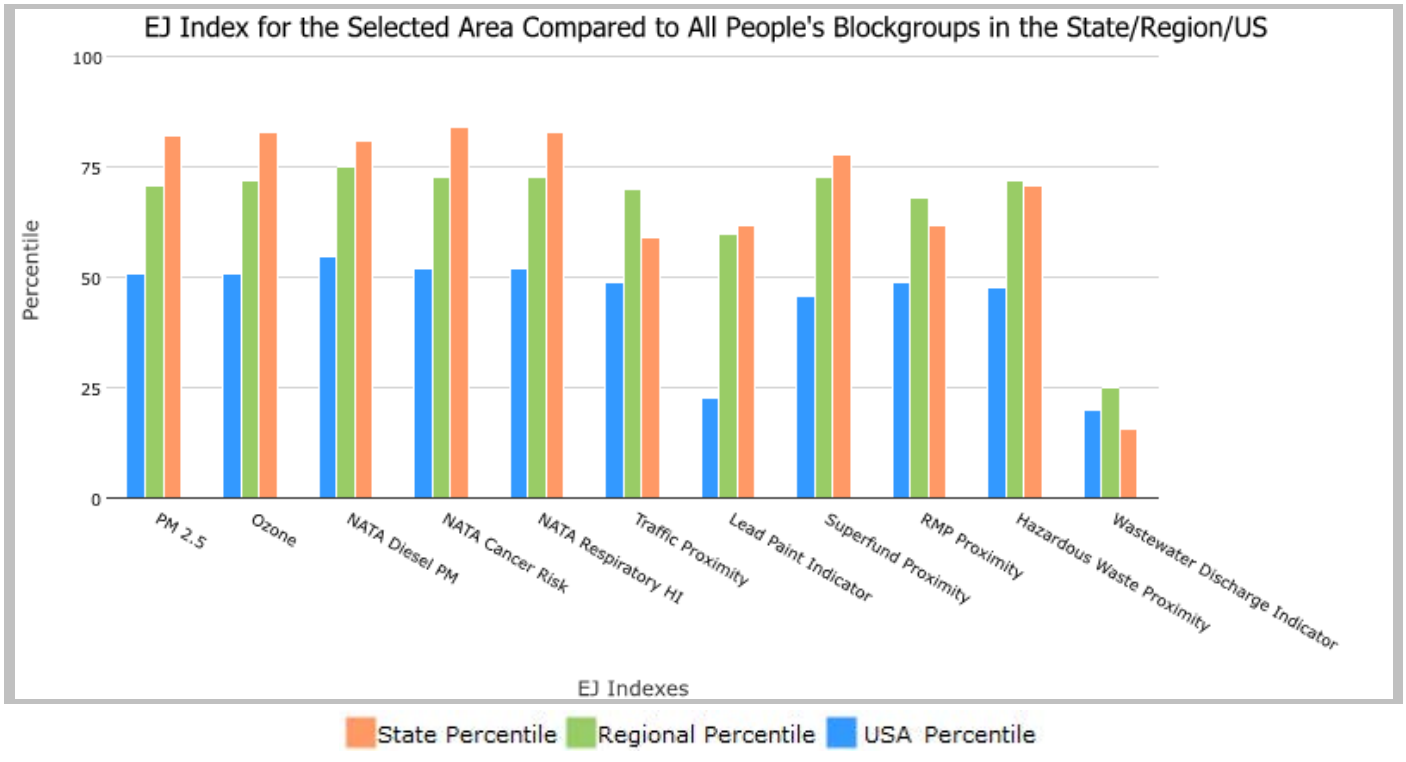
1 miles Ring Centered at 44.471764,-70.158819, MAINE, EPA Region 1

Approximate Population: 600

Input Area (sq. miles): 3.14

Souther Farms Solar Project

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	82	71	51
EJ Index for Ozone	83	72	51
EJ Index for NATA* Diesel PM	81	75	55
EJ Index for NATA* Air Toxics Cancer Risk	84	73	52
EJ Index for NATA* Respiratory Hazard Index	83	73	52
EJ Index for Traffic Proximity and Volume	59	70	49
EJ Index for Lead Paint Indicator	62	60	23
EJ Index for Superfund Proximity	78	73	46
EJ Index for RMP Proximity	62	68	49
EJ Index for Hazardous Waste Proximity	71	72	48
EJ Index for Wastewater Discharge Indicator	16	25	20



This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

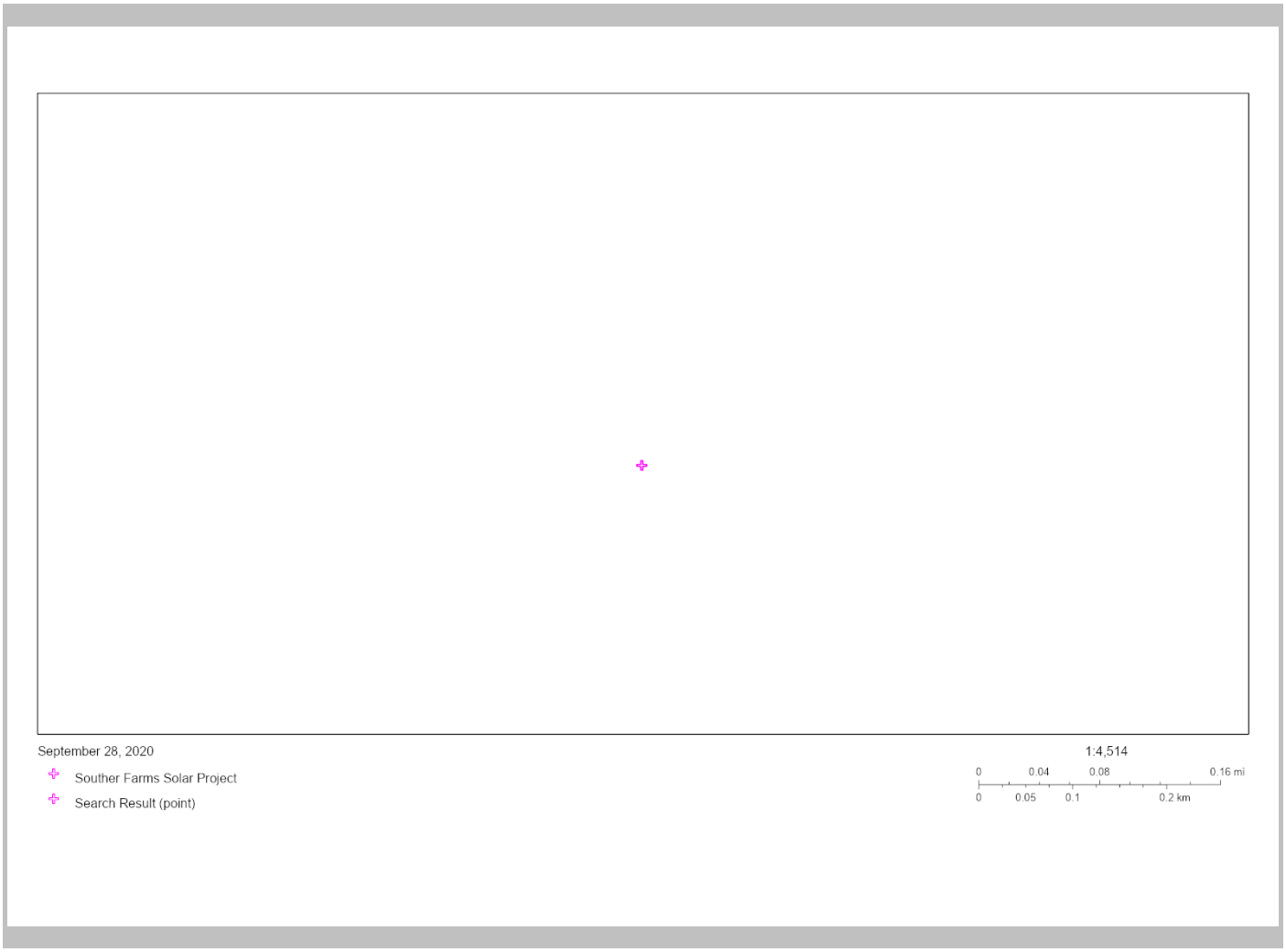
EJSCREEN Report (Version 2019)

1 miles Ring Centered at 44.471764,-70.158819, MAINE, EPA Region 1

Approximate Population: 600

Input Area (sq. miles): 3.14

Souther Farms Solar Project



Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	0

EJSCREEN Report (Version 2019)

1 miles Ring Centered at 44.471764,-70.158819, MAINE, EPA Region 1

Approximate Population: 600

Input Area (sq. miles): 3.14

Souther Farms Solar Project

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in µg/m^3)	6.16	5.98	62	6.34	43	8.3	8
Ozone (ppb)	33.2	34	26	41.1	2	43	7
NATA* Diesel PM (µg/m^3)	0.0797	0.162	27	0.344	<50th	0.479	<50th
NATA* Cancer Risk (lifetime risk per million)	19	20	37	25	<50th	32	<50th
NATA* Respiratory Hazard Index	0.24	0.25	44	0.31	<50th	0.44	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	14	170	43	930	12	750	13
Lead Paint Indicator (% Pre-1960 Housing)	0.54	0.36	81	0.45	62	0.28	79
Superfund Proximity (site count/km distance)	0.039	0.079	38	0.15	10	0.13	34
RMP Proximity (facility count/km distance)	0.15	0.37	63	0.57	32	0.74	27
Hazardous Waste Proximity (facility count/km distance)	0.15	0.61	52	2.4	18	4	27
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	0.0017	0.003	87	0.24	73	14	69
Demographic Indicators							
Demographic Index	25%	19%	79	24%	67	36%	41
Minority Population	2%	6%	26	24%	9	39%	5
Low Income Population	48%	31%	86	25%	87	33%	76
Linguistically Isolated Population	0%	1%	70	5%	46	4%	45
Population With Less Than High School Education	18%	8%	95	9%	85	13%	75
Population Under 5 years of age	4%	5%	39	5%	38	6%	27
Population over 64 years of age	18%	19%	49	16%	62	15%	69

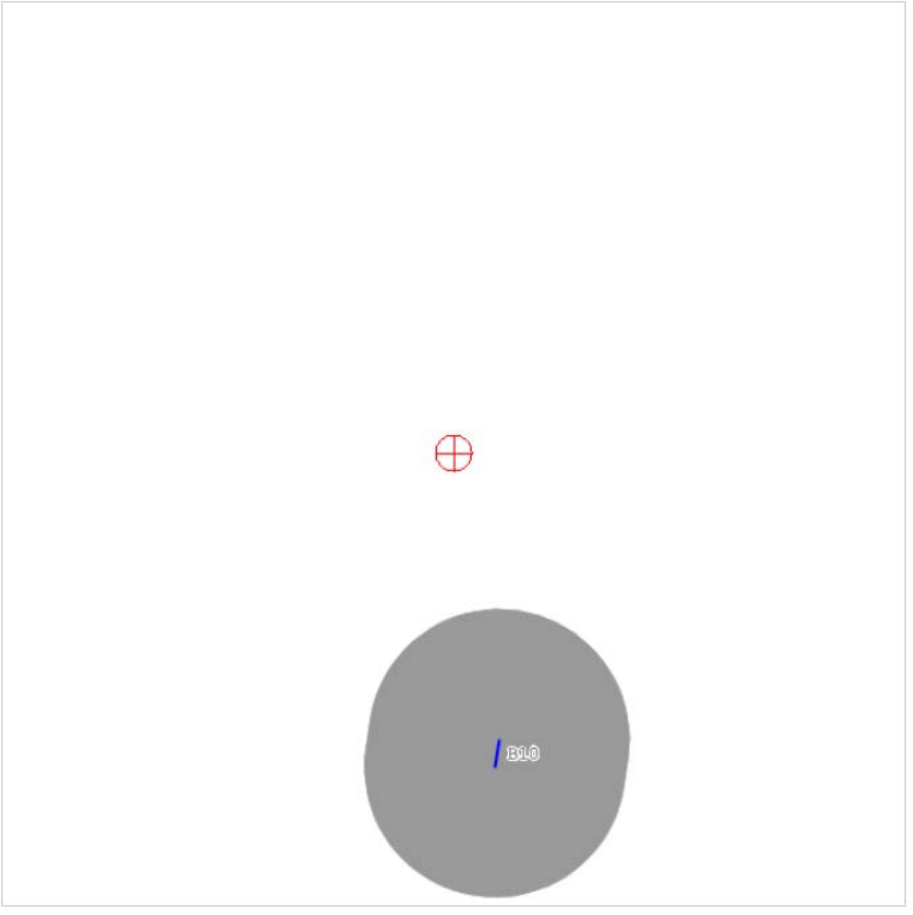
* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: https://www.epa.gov/national-air-toxics-assessment.

For additional information, see: www.epa.gov/environmentaljustice

Appendix 19 - FAA Notice Criteria - Souther Farms Solar

Results

You do not exceed Notice Criteria.



PHASE I
ENVIRONMENTAL SITE ASSESSMENT

SOUTHER ROAD
LIVERMORE FALLS, MAINE

Prepared for

REVISION ENERGY

August 2020

4 Blanchard Road
P.O. Box 85A
Cumberland, Maine 04021
Phone: 207.829.5016 smemaine.com

ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE

SME
SEVEE & MAHER
ENGINEERS

TABLE OF CONTENTS

LIST OF APPENDICES

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EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) report (the Report) was prepared for a parcel of land (herein referred to as the Subject Property or Site) located on Souther Road in Livermore Falls, Maine. The Site, currently owned by Evelyn Norton and Priscilla Ann Swartzlander, encompasses approximately 20 acres of a 72.4-acre parcel of land identified on the Town of Livermore Falls as Parcel 5 on Property Map 10.

The Site has been continuously used as a farm since approximately 1820. The prior owner, Mr. Souther, has lived on and operated the farm his entire life, and he was interviewed for this ESA.

This Phase I ESA was performed by Sevee and Maher Engineers, Inc. (SME) for the sole use of ReVision Energy (the User). This ESA was conducted in general accordance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-13) and was intended to identify recognized environmental conditions (RECs) associated with the Subject Property.

As defined by ASTM E1527-13, a REC is the presence or likely presence of any hazardous substance or petroleum products on a property under conditions that indicate an existing release, past release, or a material threat of a release of any hazardous substance or petroleum products into structures on the property into the ground, groundwater, or surface water of the property. The term REC includes the presence or likely presence of hazardous substances or petroleum products, even under conditions that are in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies.

The scope of this Phase I ESA included a site visit, interviews with the Subject Property owner's representative and local municipal officials, review of available historical data sources for the Site, review of available environmental agency files and municipal files, and the preparation of this Report to document the findings.

This ESA identified three *de minimis* environmental conditions:

- Several unpermitted solid waste disposal areas were reportedly located on the parcel outside the perimeter of the Subject Property. Waste materials observed in these areas reportedly consisted of household and farm waste materials. The property owner indicated that hazardous materials and petroleum products were not disposed of within the solid waste areas, therefore, it is unlikely that significant impact to soils and/or groundwater has occurred as a result of the presence of these disposal areas. Due to the Subject Property's distance from and elevation above the location

of the disposal areas, it is not likely that there is an impact on the Subject Property; therefore, this is a *de minimis* condition.

- Mr. Souther stated that herbicides had been historically used on the Site to manage bed straw and dandelions. While herbicides may impact Site soils and groundwater, they were reportedly used in accordance with environmental regulation at the time of application and would not likely present a threat to human health or the environment or be the subject of an enforcement action if identified by MEDEP; therefore, this is a *de minimis* condition.
- The farm has been permitted to land-apply sludge since 1988. MEDEP records indicate that approximately 1,000 cubic yards from the Livermore Falls Wastewater Treatment Plant (WWTP) were applied to the parcel between 1989 and 1998. There is a potential that the WWTP sludge contained some concentration of per- and polyfluoroalkyl substances (PFAS). As of March 22, 2019, MEDEP requires testing of all sludge licensed for land application for per- and PFAS. The United States Environmental Protection Agency (U.S.EPA) and the U.S. House of Representatives are currently in the process of labeling PFAS as CERCLA "hazardous substances" and establishing maximum levels in drinking water. While the applied sludge may have contained PFAS, it is not currently regulated, and the sludge was applied in accordance with environmental regulations at the time of application; therefore, this is a *de minimis* condition.

PHASE I
ENVIRONMENTAL SITE ASSESSMENT
SOUTHER ROAD
LIVERMORE FALLS, MAINE

1.0 INTRODUCTION

This Phase I Environmental Site Assessment (ESA) report (the Report) was prepared for a parcel of land (herein referred to as the Subject Property or Site) located on Souther Road in Livermore Falls, Maine. ReVision Energy (the User) retained Sevee & Maher Engineers, Inc. (SME) to complete a Phase I ESA of the Subject Property which is currently owned by Evelyn L. Norton and Priscilla Ann Swartzlander (the Owners). The Site has been used by the current and former Owners for agricultural operations.

This ESA was conducted in general accordance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-13) and was intended to identify recognized environmental conditions (REC) associated with the Subject Property.

As defined by ASTM E1527-13, a REC is the presence or likely presence of any hazardous substance or petroleum products on a property under conditions that indicate an existing release, past release, or a material threat of a release of any hazardous substance or petroleum products into structures on the property into the ground, groundwater, or surface water of the property. The term REC includes the presence or likely presence of hazardous substances or petroleum products, even under conditions that are in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies.

This Phase I ESA included the following tasks:

- A site visit on September 30, 2019 with Evelyn Norton, one of the Owners, and Harold Souther, the prior owner and another site visit on August 12, 2020 with Evelyn Norton;
- Interviews with Ms. Norton, Mr. Souther, and Town of Livermore Falls officials;
- Review of available municipal records;
- Review of current and historical land use of the Site and adjacent properties, including land use of neighboring properties observed during the site visit;
- Review of available historical maps, photographs, and records for the Subject Property;
- Review of available and practically reviewable environmental agency files associated with the Subject Property; and
- Preparation and submittal of this Report to the User to document the findings.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The Subject Property is located at 52 Souther Road in Livermore Falls, Maine and encompasses approximately 20 acres of a larger 72.42-acre parcel identified on Figure 2-1. The larger parcel is identified on the Town of Livermore Falls Property Map 10 as Parcel 5, and is currently owned by Evelyn Norton and Priscilla Ann Swartzlander. The prior owner, Harold Souther still operates the farm on the premises. There are no buildings located on the Subject Property.

Map 10 indicates that Lot 5B is on the subject property. The Town Tax Assessor, Paul Binnette confirmed on October 18, 2019 that the 5B parcel was actually located south of the farming structures. This places it off the Subject Property. Copies of the relevant tax maps and pages within the Tax Assessor documents are provided in Appendix A. A site plan for the Subject Property is included as Figure 2-2.

2.2 Site Vicinity and General Characteristics

The Subject Property is located on the west side of Souther Road, approximately 0.3 miles north of Fayette Road (Route 17). Redwater Brook is located approximately 0.12 miles to the south of the Site. Clay Brook is approximately 0.15 miles northwest of the Subject Property. A man-made pond is present on the Subject Property that is used for irrigation.

The Subject Property is located in a mixed residential, agricultural, and undeveloped area of Livermore Falls. Properties adjacent to the Site include:

- East: Souther Road, agricultural and residential properties, and undeveloped land;
- North: Undeveloped land, and agricultural and residential properties;
- West: Undeveloped land followed by a utility corridor with a substation approximately 0.4 miles to the northwest; and
- South: Farm on the same parcel followed by undeveloped land, a small gravel pit, residential properties, a few commercial properties, and agricultural properties.

According to United States Geological Survey (USGS) topographic mapping, the Site has an average surface elevation of approximately 389 feet above Mean Sea Level. Site reconnaissance and topographic mapping indicate that the Site topography is relatively flat with a steep hill rising immediately west of the man-made pond towards the western border of the Subject Property.

Surface water at the Site generally flows in a southerly direction towards Redwater Brook and westerly towards the western border of the Site. The area immediately in the vicinity of the man-made pond flows toward the pond. Redwater Brook flows approximately 1.25 miles west to the Androscoggin River.

2.3 Current Use of the Subject Property

The Subject Property is currently used by the Owners and Mr. Souther as agricultural land for hay crops, gardening, and grazing. Mr. Souther stated that the on-site pond was constructed in 1956, and that the area periodically becomes saturated from large storms or from ice, preventing drainage of the area in winter.

Mr. Souther has applied materials in the past for agricultural purposes including herbicide for bed straw and dandelions, commercial fertilizer, sludge from the Livermore Wastewater Treatment Plant, and lime. Mr. Souther stated that he does not apply pesticides to the Site.

2.4 Description of Structures and Infrastructure

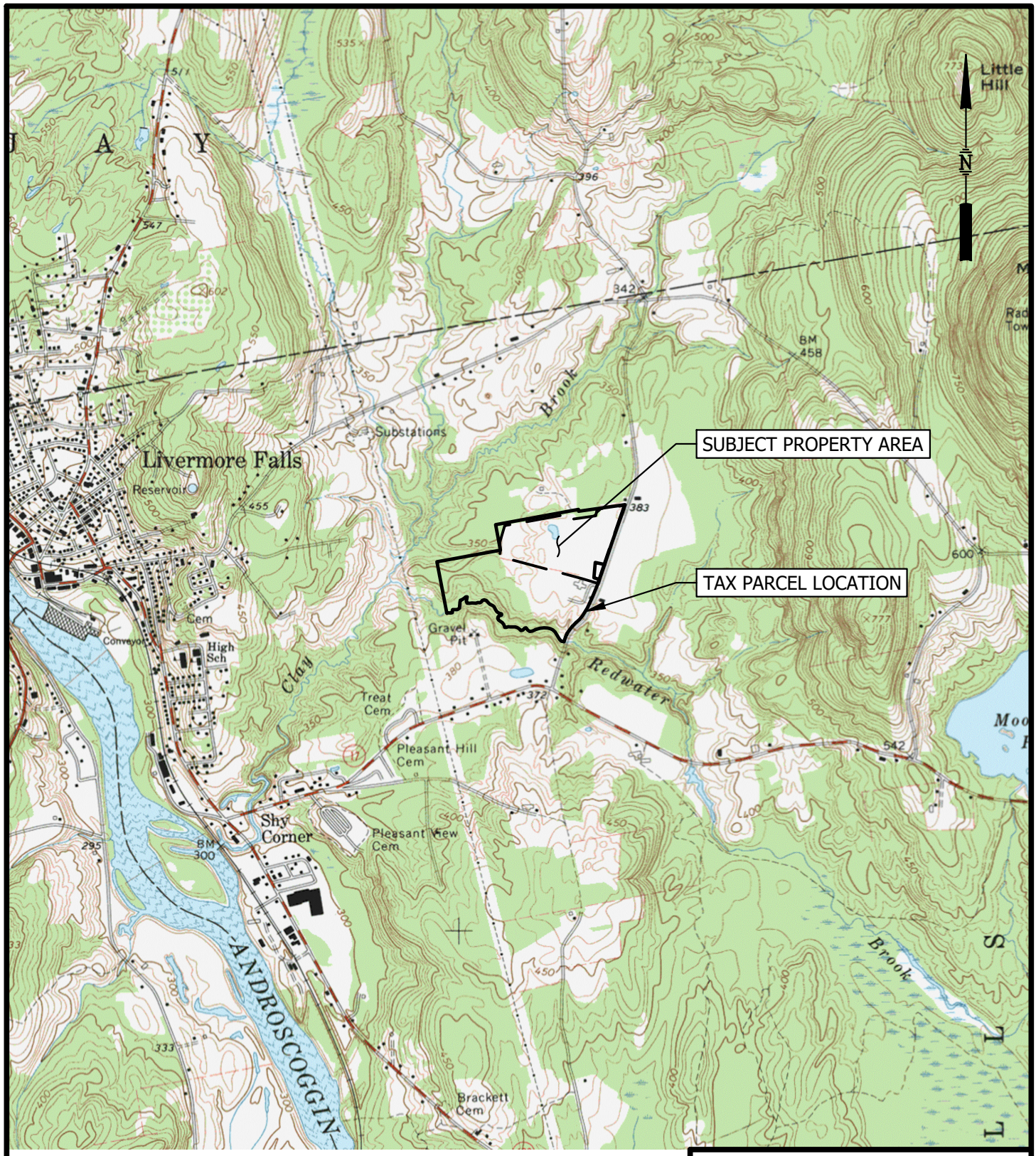
Other than the man-made pond and fencing around the perimeter of the Site, there are no structures on the Site. Access to the Subject Property is through either Souther Road to the east or an unpaved driveway on the south side of the Site.

There are no existing connections to utilities onsite. Souther Road has access to electricity and municipal water and sewer.

A more detailed description of current use and observations is included in Sections 4.2 and 4.3. Site observations are identified on Figure 2-2.

2.5 Current Use of Nearby Properties

Uses of adjacent properties are primarily residential, agricultural, and undeveloped woodlands and fields. A utility transmission line corridor runs to the west of the Subject Property, approximately 0.25 miles from the western property boundary. There is a substation for the transmission lines approximately 0.4 miles northeast of the Site. The remainder of the tax parcel to the immediate south is the Souther farm property which includes a residence, poultry barn, milling barn, and agricultural land managed by Mr. Souther and the Owners. The fields are used for cattle grazing, haying, and various crops. To the south of the Souther farm is a small gravel pit that appears to be currently out of use.



BASE MAP ADAPTED FROM 7.5 MIN USGS TOPO QUADS
LIVERMORE FALLS, MAINE - 1967

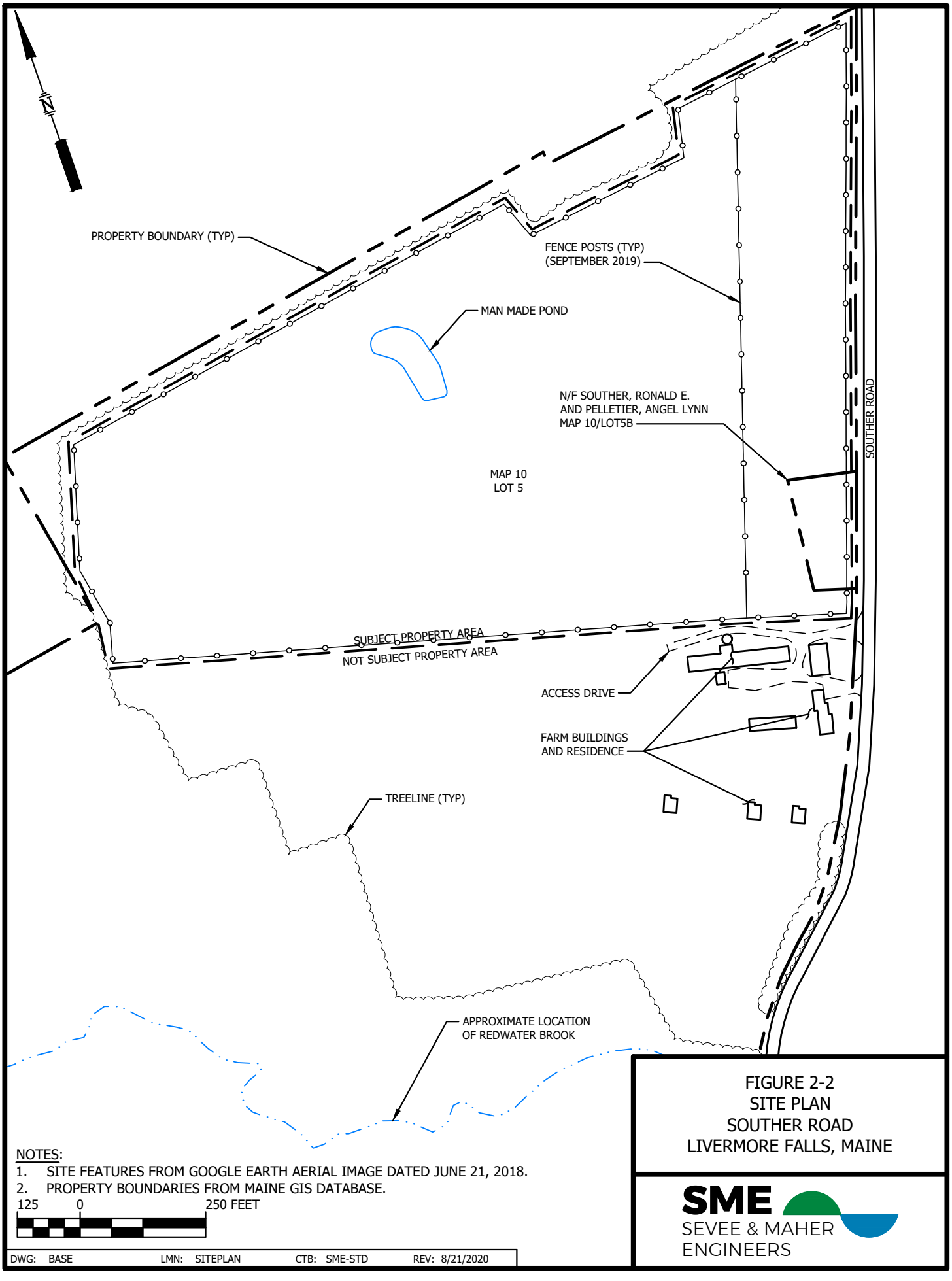
FIGURE 2-1
SITE LOCATION MAP
SOUTHER ROAD
LIVERMORE FALLS, MAINE

1000 0 2000 FEET

DWG: BASE LMN: SITELOC CTB: SME-STD REV: 10/15/2019

SME
SEVEE & MAHER
ENGINEERS

\\nserver\CFS\ESA\2019\Revision Livermore Falls 2019\Acad\Figures\BASE.dwg, 10/15/2019 11:26:51 AM, jrl



NOTES:

1. SITE FEATURES FROM GOOGLE EARTH AERIAL IMAGE DATED JUNE 21, 2018.
2. PROPERTY BOUNDARIES FROM MAINE GIS DATABASE.

125 0 250 FEET

DWG: BASE LMN: SITEPLAN CTB: SME-STD REV: 8/21/2020

FIGURE 2-2
SITE PLAN
SOUTHER ROAD
LIVERMORE FALLS, MAINE

SME
SEVEE & MAHER
ENGINEERS

\\nserver\CFS\ESA\2019\Revision Livermore Falls 2019\Acad\Figures\BASE.dwg, 8/21/2020 8:12:43 AM, jrl

3.0 USER PROVIDED INFORMATION

The ASTM Standard Practice requires that the User (ReVision Energy) help identify the possibility of RECs in connection with the Subject Property, including information related to environmental liens on the Subject Property and any actual, commonly known, or specialized knowledge related to RECs.

The User completed the Phase I Environmental Site Assessment User Questionnaire (the Questionnaire) on September 30, 2019 (provided in Appendix A). Nate Niles of ReVision Energy stated that the extent of the land title review was a digital search in the Androscoggin County registry of deeds. The User indicated that the Subject Property was used for farming and haying, but the User has no knowledge of specific chemicals used on the Subject Property, chemical releases, environmental, health and safety (EHS) documents, or environmental related incidents associated with the Subject Property.

4.0 SITE RECONNAISSANCE

The objective of the site visit was to identify the potential for RECs associated with the Subject Property. The following subsections describe the methodology and limiting conditions associated with the site visit and the exterior and interior observations made. A log containing photographs from the site visit is located in Appendix B.

4.1 Methodology and Limiting Conditions

Laura DeVaudreuil of SME performed a site visit of the Subject Property on September 30, 2019, and was accompanied by Evelyn Norton, one of the Owners, and her father Harold Souther, the prior owner and current operator of the farm. Ms. DeVaudreuil performed a second site visit on August 12, 2020 and was accompanied by Evelyn Norton. No limitations were encountered during the site visit that prevented visual observation of the entire Subject Property.

4.2 Exterior Observations

Access to the Subject Property is through Souther Road and the driveway to the south of the Site. A small man-made pond, approximately 0.27 acres in size, is located in the middle of the Subject Property. Mr. Souther indicated that the area surrounding the pond becomes saturated due to precipitation, and ice dams form, preventing drainage in the winter. The pond was observed to be at the base of a hill to the west and did not appear to have a discharge.

The Site is used for agricultural operations. Fence posts were observed around the perimeter during the September 30, 2019 site visit, some of which were fitted with electric fencing wires. Ms. Norton indicated the Site is used for grazing, and that the fencing wire is electrified when cows are present. On August 12, 2020, the fencing had been removed. There were solar panels wrapped in pallets on the southern edge of the property. Ms. Norton stated that they had been delivered shortly after the previous site visit.

A single discarded tire sized for farming equipment was observed along the northern tree line during both site visits.

4.3 Interior Observations

There are no building present at the Subject Property.

5.0 ENVIRONMENTAL RECORDS REVIEW

The purpose of the environmental records review is to obtain and review records that will help identify RECs in connection with the Subject Property or nearby properties. The following sections present the results of the review of environmental records, historical records, and prior ESAs (where applicable) for the Subject Property.

5.1 Physical Setting

The Subject Property is located in the Town of Livermore Falls in Androscoggin County, Maine. Groundwater in the vicinity of the Site is generally expected to follow site topography as observed during the site visit and indicated on topographic maps and flow to the south toward Redwater Brook.

U.S. Department of Agriculture Soil Conservation Service mapping indicates that the Site is predominantly Merrimac fine sandy loam with some Melrose fine sandy loam on the west side of the Site, a small portion of Swanton fine sandy loam on the northeastern corner of the Site, and Ninigret fine sandy loam in the area of the man-made pond.

5.2 Standard Environmental Record Sources

Environmental Data Resources, Inc. (EDR) performed a search of electronic environmental databases for the Subject Property. The full report provided by EDR is included in Appendix D. This search included, but was not limited to, the following major record sources and corresponding search radii as defined in the Phase I ESA Standard Practice for each database:

- Federal Sources
  - National Priority List (NPL) Site (1.0 mile)
  - Proposed NPL Sites (1.0 mile)
  - Delisted NPL Sites (1.0 mile)
  - Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Sites (0.5 mile)
  - CERCLIS No Further Remedial Action Planned Sites (0.5 mile)
  - Resource Conservation and Recovery Act (RCRA) Corrective Action (CORRACTS) Report (1.0 mile)
  - RCRA Treatment Storage and Disposal Facility (TSDF) Sites (0.5 mile)
  - RCRA Generators List – Large Quantity and Small Quantity Generators (0.25 mile)

- Federal Emergency Response Notification System (ERNS) Sites (Subject Property only)
- Hazardous Materials Information Reporting System (HMIRS) Sites (Subject Property only)
- Institutional Control/Engineering Control Registry (0.5 mile)
- U.S. Brownfields Sites (0.5 mile)
- Superfund (CERCLA) Consent Decrees (1.0 mile)
- Facility Index System/Facility Registry System (FINDS) Sites (Subject Property only)

- State and Tribal Sources
  - State Hazardous Waste Sites (SHWS) (1.0 mile)
  - State Landfill or Solid Waste Disposal Sites (0.5 mile)
  - State Listing of Potentially Hazardous Waste Sites (ALLSITES) (0.5 mile)
  - State Leaking Storage Tank Sites (0.5 mile)
  - State Registered Storage Tank (UST/AST) list (0.25 mile)
  - State Lien list (LIEN) (property only)
  - State Land Use Controls (AUL) Sites (0.5 mile)
  - State Brownfield Sites (0.5 mile)
  - State Baseline Environmental Assessment (BEA) Database Sites (0.5 mile)

Additional environmental record databases were searched by EDR to enhance and supplement the standard environmental record sources. Appendix D supplies a full listing of databases and sources searched. In addition, EDR was also contracted to provide a Historical Aerial Photo Report, Historical Topographic Map Report, Sanborn Fire Rate Insurance Map Report, and a City Directory Report which are provided in Appendix C. Sanborn Fire Maps were not available for the Subject Property.

5.3 Environmental Records Review Results

Federal, State and Tribal environmental records databases were searched by EDR at the search radius defined in the Phase I ESA standard for each database (see Section 5.2). EDR's database search report (including databases searched, radius search distances, and detailed information regarding listed properties) is presented as Appendix D. Results of the environmental records review are provided in the following subsections.

5.3.1 Subject Property Federal, State, and Tribal Record Results

The Subject Property is not listed in the databases reviewed in the EDR report.

5.3.2 Search Radii Federal, State, and Tribal Record Results

The records review identified environmental reports related to several properties adjacent to the Subject Property. All reports were related to underground storage tanks (USTs) or above-ground storage tanks (ASTs) associated with residential properties in the area. Copies of the MEDEP reports are located in Appendix D.

One UST site was identified 0.37 miles to the south of the Subject Property across Redwater Brook at a lower elevation than the Subject Property.

> In 1995, MEDEP was informed that underground storage tanks were being removed from a mobile home park without notice to MEDEP. When MEDEP arrived, three tanks had been removed that day and two more had been removed in previous years. MEDEP inspected the open excavations, two of the three USTs removed that day, and one UST that had been removed in a prior year. The third UST was already cut up and not able to be inspected. The tanks observed were in excellent condition and there was no indication of impact to site soils. Given the location of the site, it is not likely to impact the Subject Property (A-225-95).

Four AST sites were identified between 0.33-0.37 miles to the south of the Subject Property. All the sites were across Redwater Brook at lower elevations than the Subject Property.

> In 2002, a furnace oil pump failed and leaked oil into a personal trailer at 285 Fayette Road. The spill was contained to the interior of the vehicle (A-705-2002).
>
> In 2006, approximately 100 gallons of fuel oil spilled on the ground when an AST failed at 250 Fayette Road. Forty-four cubic yard of impacted soil were removed, and the site was backfilled (A-705-2006).
>
> In 2012, approximately 100-150 gallons of fuel oil spilled onto the ground from a corrosion hole in an AST at 249 Fayette Road Lot 3. Sorbents were used to clean up the spill. Approximately 0.25 cubic yards of impacted soil were removed (A-135-2012).
>
> In 2014, a heating oil tank at 232 Fayette Road Lot 1 leaked a small amount of oil onto the ground. The oil was removed along with 10 pounds of impacted soil (A-755-2014).

Given the location of the sites on opposite sides of Redwater Brook, topography between the sites, and quantities spilled, these sites are not likely to impact the Subject Property.

5.4 Prior Environmental Site Assessments

No documentation of prior Environmental Site Assessments completed for the Subject Property was provided by the User or Owner.

5.5 Historical Use Information on the Subject Property

To determine the historical use of the Subject Property, SME reviewed historical records, including USGS topographic quadrangles, aerial photographs, a City Directory Abstract, and the Town of Livermore Falls Tax Commitment Book. Town representatives, Mr. Souther, and Ms. Norton were interviewed. No coverage for the Subject Property was available from Sanborn® Fire Insurance Maps.

Historical topographic maps from 1910, 1912, 1942, 1967, and 2014, aerial photos from 1960, 1964, 1981, 1985, 1992, 1998, 2003, 2007, 2011, and 2015, and City Directory records from 2005, 2010, 2014 and 2017 were reviewed.

The aerial photograph from 1960 indicates the Subject Property was farmland with an access road. The man-made pond is visible on the 1960 aerial photograph and the 1967 topographic map. The topographic maps and aerial photographs reviewed do not indicate any use of the property other than agricultural. The aerial photographs show no changes to the subject property between 1960 and 2015.

Copies of aerial photographs, topographic maps, and City Directory records are provided in Appendix C.

5.6 Historical Use Information on Adjoining Properties

The historical uses of the properties adjacent to the Subject Property were researched using prior environmental reports, historical maps, City Directories, and aerial photographs for the Subject Property. The following sources of historical use information were reviewed: historical topographic maps from 1910, 1912, 1942, 1967, and 2014; aerial photos from 1960, 1964, 1981, 1985, 1992, 1998, 2003, 2007, 2011, and 2015; and City Directory records from 2005, 2010, 2014 and 2017. City Directory records indicate that nearby properties are primarily owned by individuals, are vacant, or have unknown owners.

The aerial photograph from 1960 indicates the immediate surrounding area was farmland, residential, or undeveloped. Aerial photographs indicate the majority of the residences to the immediate east, northeast, and south were constructed between 1964 and 1981.

To the north of the Subject Property is a field that appears to have been farmed since 1960. The 1941 and 1967 topographic maps and 1960 and 1964 aerial photographs indicate that the lot had a building. However, it's not visible in subsequent photos and maps.

In the 1981 aerial photograph, new residential developments are visible to the northwest, northeast, and south of the Subject Property.

The 1964 aerial photograph and 1967 topographic map indicate that a gravel pit and pond were located to the southwest of the subject property. The gravel pit is still present in current aerial imagery but appears to be overgrown and out of use. The 1981 aerial photograph shows the area of the pond converted into a residential subdivision.

5.7 Maine Department of Environmental Protection

Maine Department of Environmental Protection (MEDEP) records show that the farm has been permitted to land-apply sludge since 1988 (Permit number W007742-56-A-R). MEDEP records indicate that between 1989 and 1998 approximately 1,000 cubic yards of sludge from the Livermore Falls Wastewater Treatment Plant (WWTP) were applied to the parcel of which the Subject Property is a part.

6.0 INTERVIEWS

6.1 Interview with the Owner

The current Owners of the Subject Property are Evelyn Norton and Priscilla Ann Swartzlander. Ms. Norton was interviewed with Harold Souther, who was the prior owner and current operator of the Site, on September 30, 2019. Mr. Souther has lived on the property his entire life and provided extensive history of the Site.

To Mr. Souther's knowledge, there have never been any buildings on the Subject Property.

Mr. Souther stated the Subject Property has been used as a farm since approximately 1820. The Souther family purchased the Site in 1920. The residential building on the parcel (south of the Subject Property) was constructed between 1815 and 1823. The house was connected to municipal water in 1929. The original well stopped being used at that time and was subsequently sealed. The City installed a sewer on Souther Road in 1930, but the house was never connected. The home has a septic system to the south that discharges to the south side of the parcel. The house was connected to electricity in 1933. The henhouse was built in 1935 and expanded in 1940. The milling barn was constructed in 1949. Both buildings are to the south of the Subject Property next to the house.

Mr. Souther stated there are on-site unpermitted disposal areas containing household and farm materials including cars, cans, papers, etc. These disposal areas have been continually used since the Southers purchased the parcel. Mr. Souther stated no hazardous chemicals or petroleum products have been disposed of in these areas. SME did not inspect the disposal areas, as they are not on the Subject Property addressed by this ESA. Mr. Souther indicated the disposal areas were on the outskirts of the southern portion of the farm. He stated there has been some erosion issues in the area. Given that topography of the parcel consistently slopes away from the Subject Property in the direction of the disposal areas, the materials in these areas are not expected to impact the Subject Property.

Mr. Souther stated that small quantities of oil are used on-site for farm equipment and heating oil. Oil is stored in an aboveground tank as back-up to the primary wood furnace. The farm previously had an underground gasoline tank which was removed between 2007 and 2009. The age of the tank was not determined, and no record of the tank removal was found in MEDEP tank registration files. Mr. Souther stated there has never been a significant spill of oil beyond small drips during typical farming operations over the years.

Mr. Souther also supplied soil sampling results from 1999. Ms. Norton indicated the samples were taken when the local high school was considering constructing an additional recreational field. The soil reports are provided in Appendix E, and the reports describe acidity and nutrient levels within normal ranges.

Evelyn Norton was interviewed again on August 12, 2020 and did not identify any changes to the property.

Interview documentation is contained in Appendix E.

6.2 Interviews with Local Government Officials

SME attempted to interview two local officials who might have knowledge of environmental issues associated with the Subject Property for this ESA. Only one official responded in a timely manner.

Rob Overton, the Town of Livermore Falls Code Enforcement Officer, stated he had no knowledge or other information on any environmental conditions at the Subject Property. He stated there are no active permits or pending enforcement actions at the site. Mr. Overton was contacted again on August 19, 2020. He responded by email that he was still not aware of any environmental conditions at the subject property.

The Livermore Falls Fire Chief, Ed Hastings, was contacted by SME on October 23, 2019 and stated he had no knowledge of any incidents at the Subject Property. Mr. Hastings has been employed as the Fire Chief since February 2016. Mr. Hastings was contacted again on August 19, 2020 and stated that he was still not aware of any incidents at the subject property.

7.0 CONCLUSIONS AND RECOMMENDATIONS

SME performed this Phase I ESA for the Subject Property in general conformance with the scope and limitations of ASTM Standard Practice E1527-13. Any exceptions to, or deletions from, this practice are described in Section 8.0.

This ESA did not reveal evidence of RECs associated with the Subject Property.

This ESA identified three *de minimis* environmental conditions:

- Several unpermitted solid waste disposal areas were reportedly located on the parcel outside the perimeter of the Subject Property. Waste materials observed in these areas reportedly consisted of household and farm waste materials. The property owner indicated that hazardous materials and petroleum products were not disposed of within the solid waste areas, therefore, it is unlikely that significant impact to soils and/or groundwater has occurred as a result of the presence of these disposal areas. Due to the Subject Property's distance from and elevation above the location of the disposal areas, it is not likely that there is an impact on the Subject Property; therefore, this is a *de minimis* condition.
- Mr. Souther stated that herbicides had been historically used on the Site to manage bed straw and dandelions. While herbicides may impact Site soils and groundwater, they were reportedly used in accordance with environmental regulation at the time of application and would not likely present a threat to human health or the environment or be the subject of an enforcement action if identified by MEDEP; therefore, this is a *de minimis* condition.
- The farm has been permitted to land-apply sludge since 1988. MEDEP records indicate that approximately 1,000 cubic yards from the Livermore Falls Wastewater Treatment Plant (WWTP) were applied to the parcel between 1989 and 1998. There is a potential that the WWTP sludge contained some concentration of per- and polyfluoroalkyl substances (PFAS). As of March 22, 2019, MEDEP requires testing of all sludge licensed for land application for per- and PFAS. The United States Environmental Protection Agency (U.S.EPA) and the U.S. House of Representatives are currently in the process of labeling PFAS as CERCLA "hazardous substances" and establishing maximum levels in drinking water. While the applied sludge may have contained PFAS, it is not currently regulated, and the sludge was applied in accordance with environmental regulations at the time of application; therefore, this is a *de minimis* condition.

8.0 EXCEPTIONS, DEVIATIONS AND LIMITATIONS

This Phase I ESA was completed expressly for ReVision Energy (the User) to assist in identifying RECs associated with the Subject Property. The evaluations and conclusions herein represent SME's professional judgments and opinions based on current, generally accepted engineering practices for preliminary site assessments and are based on observations made during site reconnaissance and the review of records identified in this Report.

No data gaps were associated with this ESA.

SME completed this Phase I ESA specifically for the use of the ReVision Energy. Any reliance on this Report by any other party shall be at such party's sole risk. As SME's work included review of information provided to us by others, we assume no responsibility for conditions not revealed, not observed, or obscured during this ESA or for conditions not generally recognized as environmentally unacceptable at the time this Report was prepared. This Phase I ESA is intended to be used in its entirety. No excerpts should be taken to be representative of the findings of this Phase I ESA.

The following environmental issues are outside the scope of the Standard Practice defined by ASTM E1527-13. This Phase I ESA did not include identification or evaluation of these non-scope items including, but not limited to:

- Asbestos-containing building materials;
- Biological agents;
- Cultural and historic resources;
- Ecological resources;
- Endangered species;
- Health and safety;
- Indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment;
- Industrial hygiene;
- Lead-based paint;
- Lead in drinking water;
- Mold;
- Radon;

- Regulatory compliance; and
- Wetlands.

9.0 SIGNATURE OF THE ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in 312.10 of 40 CFR Part 312, and SME has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. Except for the limitations listed in Section 8.0, SME has developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

Brian D. Pierce, P.E.
Principal/Chief Engineer

Documentation of the qualifications of the Environmental Professional is contained in Appendix F.

APPENDIX A

USER PROVIDED INFORMATION

SME
SEVEE & MAHER
ENGINEERS

X3. USER QUESTIONNAIRE

INTRODUCTION

In order to qualify for one of the *Landowner Liability Protections (LLPs)*[187] offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"),[188] the *user* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The *user* should provide the following information to the *environmental professional*. Failure to conduct these inquiries could result in a determination that "*all appropriate inquiries*" is not complete.

(1.) Environmental liens that are filed or recorded against the *property* (40 CFR 312.25).
Did a search of *recorded land title records* (or judicial records where appropriate, see Note 1 below) identify any environmental liens filed or recorded against the *property* under federal, tribal, state or local law? No

NOTE 1—In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

(2.) Activity and use limitations that are in place on the *property* or that have been filed or recorded against the *property* (40 CFR 312.26(a)(1)(v) and vi)).
Did a search of *recorded land title records* (or judicial records where appropriate, see Note 1 above) identify any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state or local law?
No

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).
Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an *adjoining property* so that you would have specialized knowledge of the chemicals and processes used by this type of business? No

(4.) Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).
Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*? No, n/a

(5.) Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).
Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example,
(a.) Do you know the past uses of the *property*? Farming, haying
(b.) Do you know of specific chemicals that are present or once were present at the *property*? No
(c.) Do you know of spills or other chemical releases that have taken place at the *property*? No
(d.) Do you know of any environmental cleanups that have taken place at the *property*? No

(6.) The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).
Based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of releases at the *property*? No

---

[187] *Landowner Liability Protections*, or *LLPs*, is the term used to describe the three types of potential defenses to Superfund liability in EPA's *Interim Guidance Regarding Criteria Landowners Must Meet in Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability* ("*Common Elements*" Guide) issued on March 6, 2003.

[188] P.L. 107-118.

X3.1 In addition, certain information should be collected, if available, and provided to the *environmental professional* conducting the *Phase I Environmental Site Assessment*. This information is intended to assist the *environmental professional*, but is not necessarily required to qualify for one of the *LLPs*. The information includes:

(a) the reason why the Phase I is being performed,

(b) the type of *property* and type of *property* transaction, for example, sale, purchase, exchange, etc.,

(c) the complete and correct address for the *property* (a map or other documentation showing *property* location and boundaries is helpful),

(d) the scope of services desired for the Phase I (including whether any parties to the *property* transaction may have a required standard scope of services or whether any considerations beyond the requirements of Practice E1527 are to be considered),

(e) identification of all parties who will rely on the Phase I *report*,

(f) identification of the site contact and how the contact can be reached,

(g) any special terms and conditions which must be agreed upon by the *environmental professional*, and

(h) any other knowledge or experience with the *property* that may be pertinent to the *environmental professional* (for example, copies of any available prior *environmental site assessment reports*, documents, correspondence, etc., concerning the *property* and its environmental condition).

X4. RECOMMENDED TABLE OF CONTENTS AND REPORT FORMAT

X4.1 *Summary*—This section provides a summary of the *Phase I Environmental Site Assessment* process and may include findings, opinions and conclusions.

X4.2 *Introduction*—This section identifies the *property* (location and legal description) and the purpose of the *Phase I Environmental Site Assessment*. This section also provides a place to discuss contractual details (including scope of work) as well as limiting conditions, deviations, exceptions, significant assumptions, and special terms and conditions.

X4.3 *User Provided Information*—This section presents information under Section 6. User's Responsibilities and may include information from the User Questionnaire (see Appendix X3), if completed.

X4.4 *Records Review*—This section presents a review of physical setting sources, standard and additional environmental records sources, and historical use information on the *property* and surrounding area as detailed in Section 8, Records Review.

X4.5 *Site Reconnaissance*—This section includes *site reconnaissance* observations as discussed in Section 9, Site Reconnaissance, including general site setting, interior and exterior observations, and uses and conditions of the *property* and *adjoining properties*.

X4.6 *Interviews*—This section provides a summary of interviews conducted as detailed in Section 10, Interviews with Past and Present Owners and Occupants, and Section 11, Interviews with State and Local Government Officials.

X4.7 *Evaluation*—This section documents the findings, opinions and conclusions of the *Phase I Environmental Site Assessment* as stated in Section 12. This section also includes additional investigations, data gaps, deletions. This section is also where *environmental professionals* as described in 3.2.32 and Appendix X2 provide their statement, references and signature(s).

X4.8 *Non-Scope Services*— This section provides a place for recommendations (see 12.15) and summarizes additional services discussed in Section 13, which are not a part of this practice.

X4.9 *Appendices*—This section contains supporting documentation and the qualifications of the *environmental professional* and other personnel who may have conducted the site reconnaissance and interviews.

APPENDIX B

SITE PHOTOGRAPHS

SME
SEVEE & MAHER
ENGINEERS

ReVision Energy
Environmental Site Assessment Photos
September 30, 2019

Southeast

East

Northeast

Northeast Towards Pond

ReVision Energy
Environmental Site Assessment Photos
September 30, 2019

Man-made Pond

Southeast

Southwest

Perimeter looking east

ReVision Energy
Environmental Site Assessment Photos
September 30, 2019

Observed tire along northern fenceline

Farmhouse

ReVision Energy
Environmental Site Assessment Photos
August 12, 2020

Northwest

Man-made pond

Northeast

Woodpile on edge of forest

ReVision Energy
Environmental Site Assessment Photos
August 12, 2020

Farmhouse

North corner of site

West

Northwest

ReVision Energy
Environmental Site Assessment Photos
August 12, 2020

South Edge – solar panels

Man made pond

APPENDIX C

HISTORICAL USE DATA

SME
SEVEE & MAHER
ENGINEERS

Livermore Falls
52 Souther Road
Livermore Falls, ME 04254

Inquiry Number: 6143715.4
August 04, 2020

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

08/04/20

Site Name:	Client Name:
Livermore Falls	Sevee & Maher Engineers, Inc.
52 Souther Road	4 Blanchard Rd
Livermore Falls, ME 04254	Cumberland, ME 04021
EDR Inquiry # 6143715.4	Contact: Laura Devaudreuil

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

Search Results:		*Coordinates:*	
P.O.#	NA	**Latitude:**	44.472936 44° 28' 23" North
Project:	Livermore Falls Update	**Longitude:**	-70.161798 -70° 9' 42" West
		UTM Zone:	Zone 19 North
		UTM X Meters:	407596.83
		UTM Y Meters:	4925059.35
		Elevation:	380.16' above sea level

Maps Provided:

2014
1967
1941
1912
1910

Topo Sheet Key

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

2014 Source Sheets

Livermore Falls
2014
7.5-minute, 24000

1967 Source Sheets

Livermore Falls
1967
7.5-minute, 24000
Aerial Photo Revised 1964

1941 Source Sheets

Livermore
1941
15-minute, 62500

1912 Source Sheets

Livermore
1912
15-minute, 62500

Topo Sheet Key

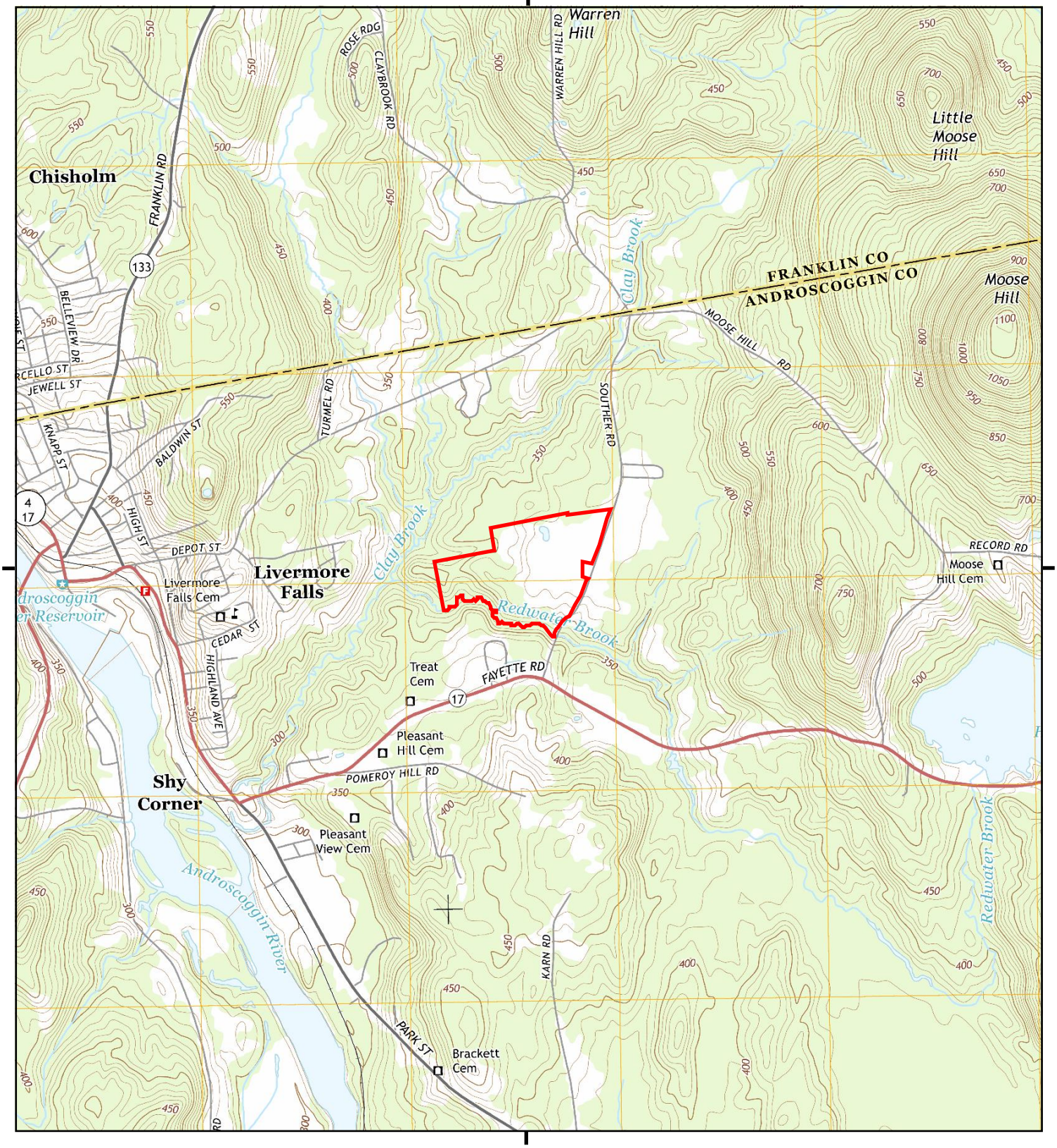
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1910 Source Sheets

Livermore
1910
15-minute, 62500

Historical Topo Map

2014



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

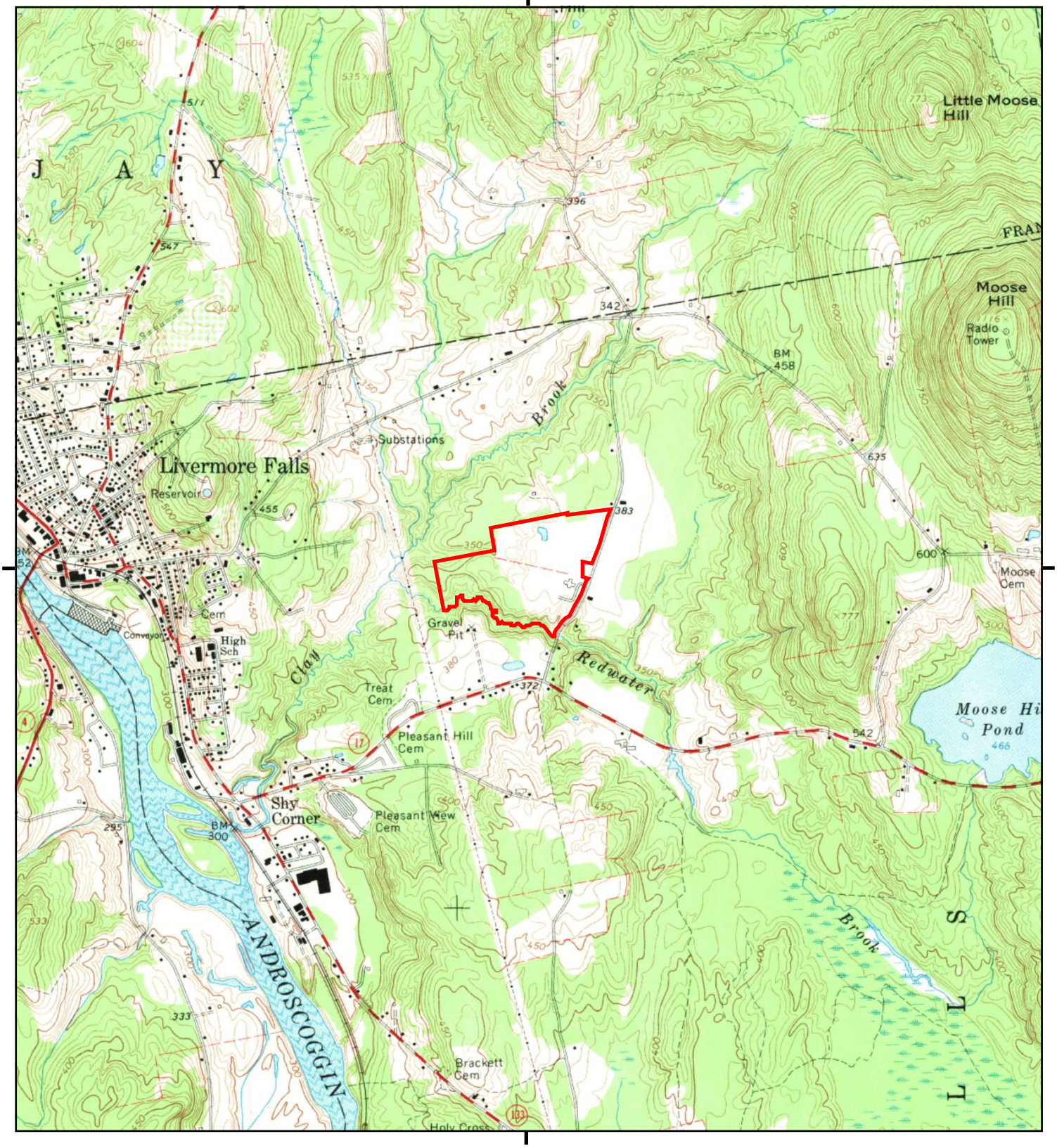
TP, Livermore Falls, 2014, 7.5-minute

SITE NAME: Livermore Falls
ADDRESS: 52 Souther Road
Livermore Falls, ME 04254
CLIENT: Sevee & Maher Engineers, Inc.

N

Historical Topo Map

1967



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

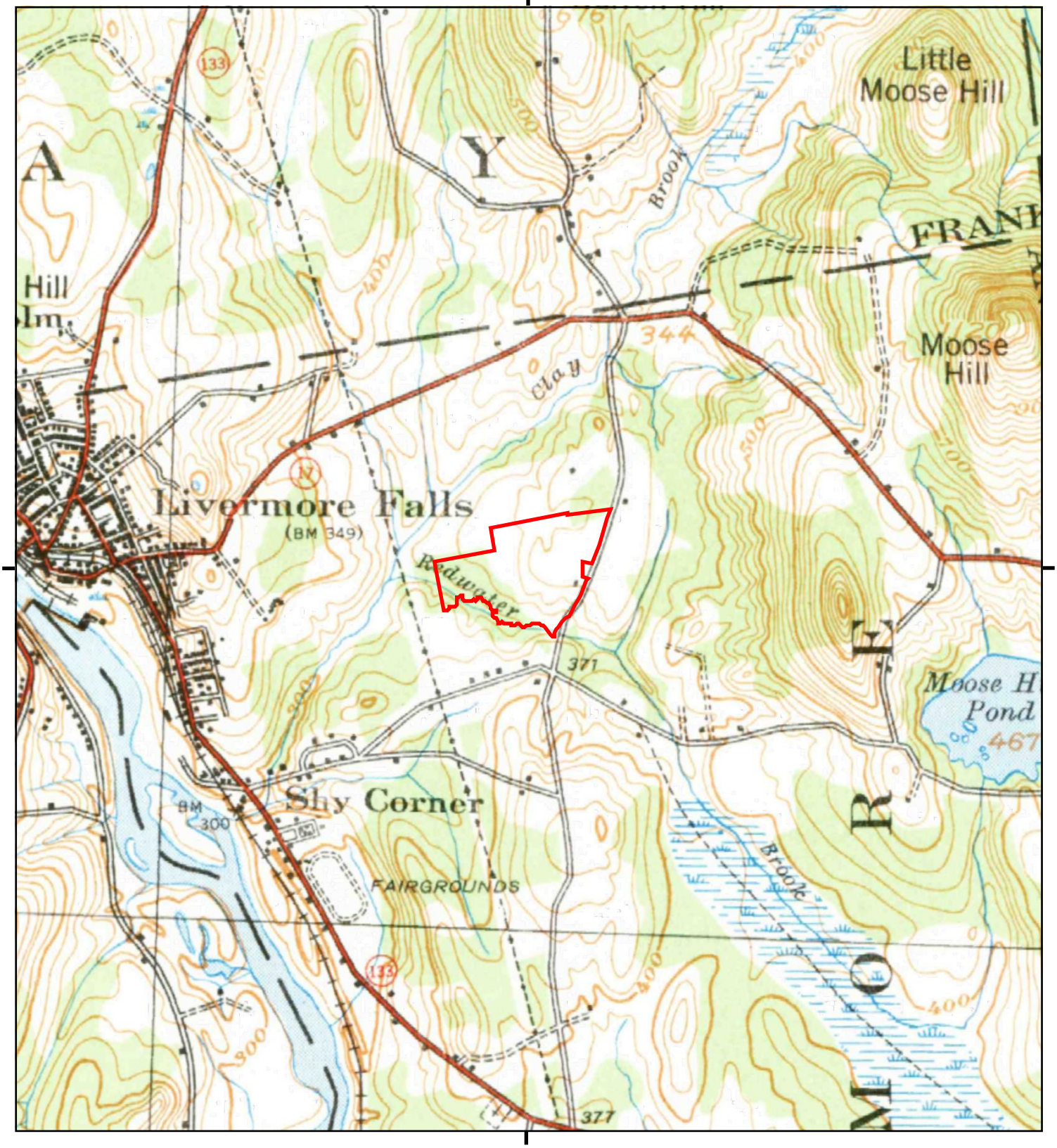
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Livermore Falls, 1967, 7.5-minute

SITE NAME: Livermore Falls
ADDRESS: 52 Souther Road
Livermore Falls, ME 04254
CLIENT: Sevee & Maher Engineers, Inc.

N



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

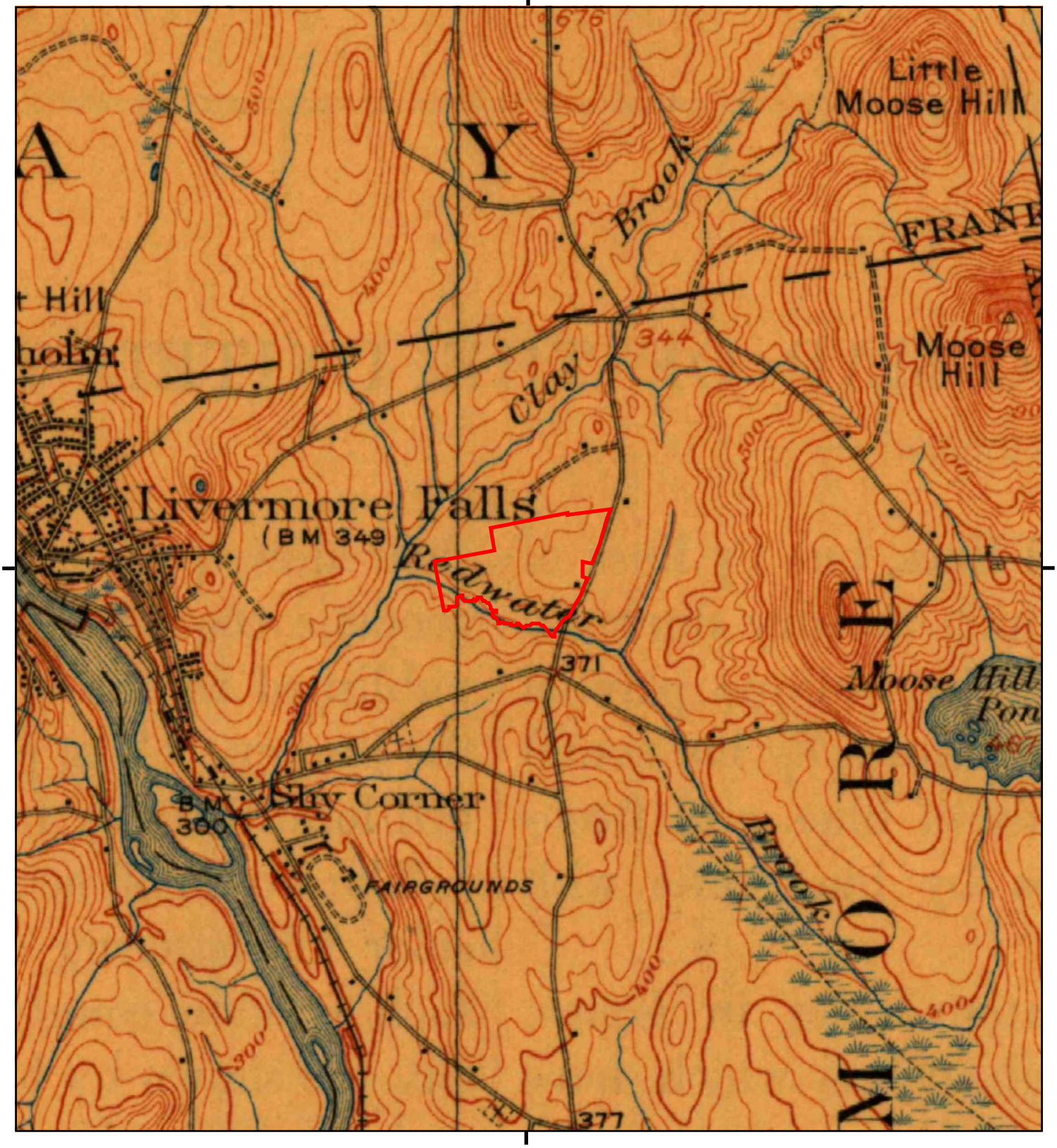
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Livermore, 1941, 15-minute

SITE NAME: Livermore Falls
ADDRESS: 52 Souther Road
Livermore Falls, ME 04254
CLIENT: Sevee & Maher Engineers, Inc.

N



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

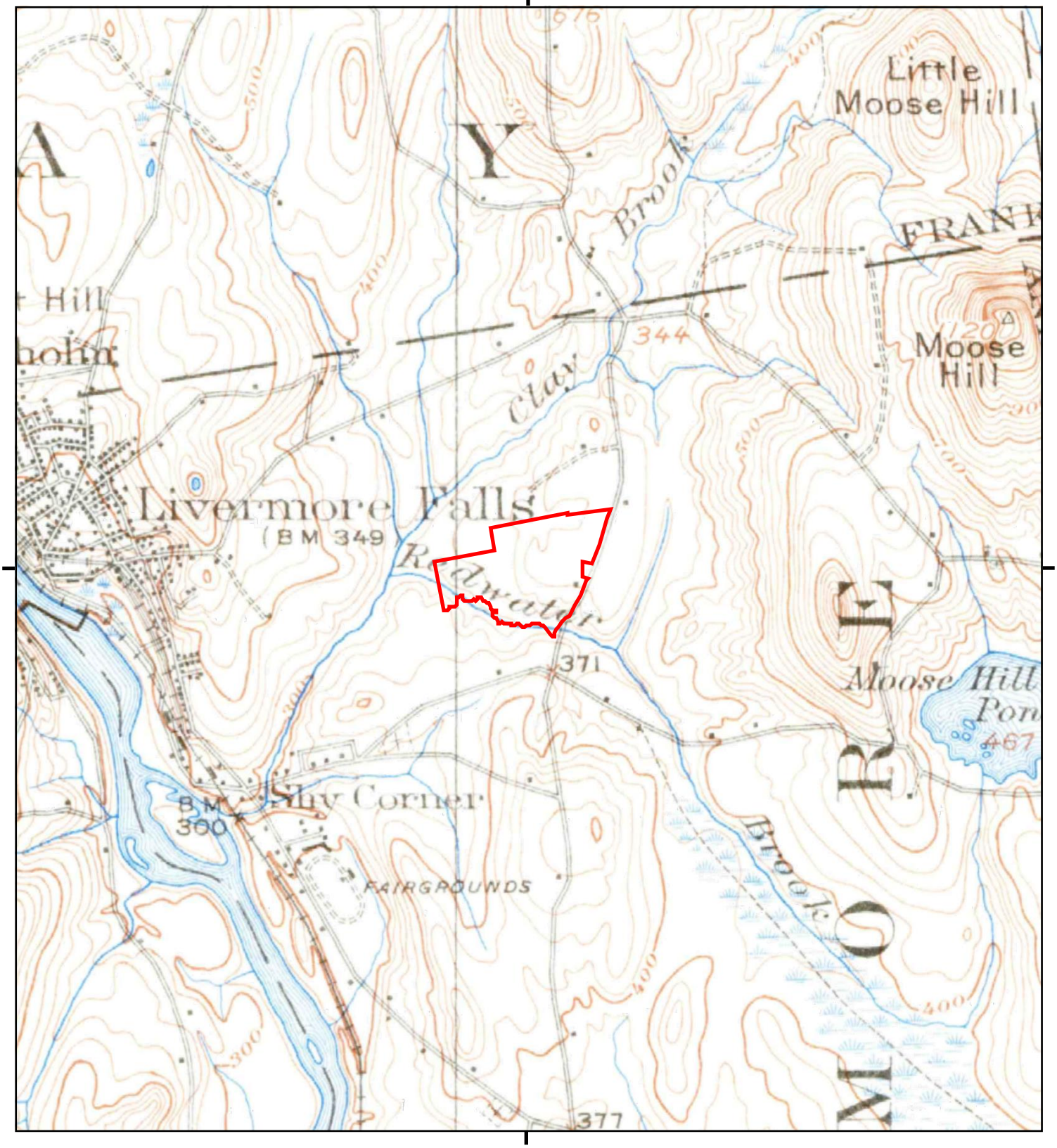
TP, Livermore, 1912, 15-minute

SITE NAME: Livermore Falls
ADDRESS: 52 Souther Road
Livermore Falls, ME 04254
CLIENT: Sevee & Maher Engineers, Inc.

N

Historical Topo Map

1910



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Livermore, 1910, 15-minute

SITE NAME: Livermore Falls
ADDRESS: 52 Souther Road
Livermore Falls, ME 04254
CLIENT: Sevee & Maher Engineers, Inc.

N

Livermore Falls
52 Souther Road
Livermore Falls, ME 04254

Inquiry Number: 6143715.3
August 04, 2020

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

08/04/20

Site Name:	Client Name:
Livermore Falls	Sevee & Maher Engineers, Inc.
52 Souther Road	4 Blanchard Rd
Livermore Falls, ME 04254	Cumberland, ME 04021
EDR Inquiry # 6143715.3	Contact: Laura Devaudreuil

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Sevee & Maher Engineers, Inc. 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.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 1B02-4197-AD4D

PO # NA

Project Livermore Falls Update

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 1B02-4197-AD4D

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:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sevee & Maher Engineers, Inc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Souther Road

Souther Road

Livermore Falls, ME 04254

Inquiry Number: 5803726.8

September 26, 2019

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

09/26/19

Site Name:

Souther Road
Souther Road
Livermore Falls, ME 04254
EDR Inquiry # 5803726.8

Client Name:

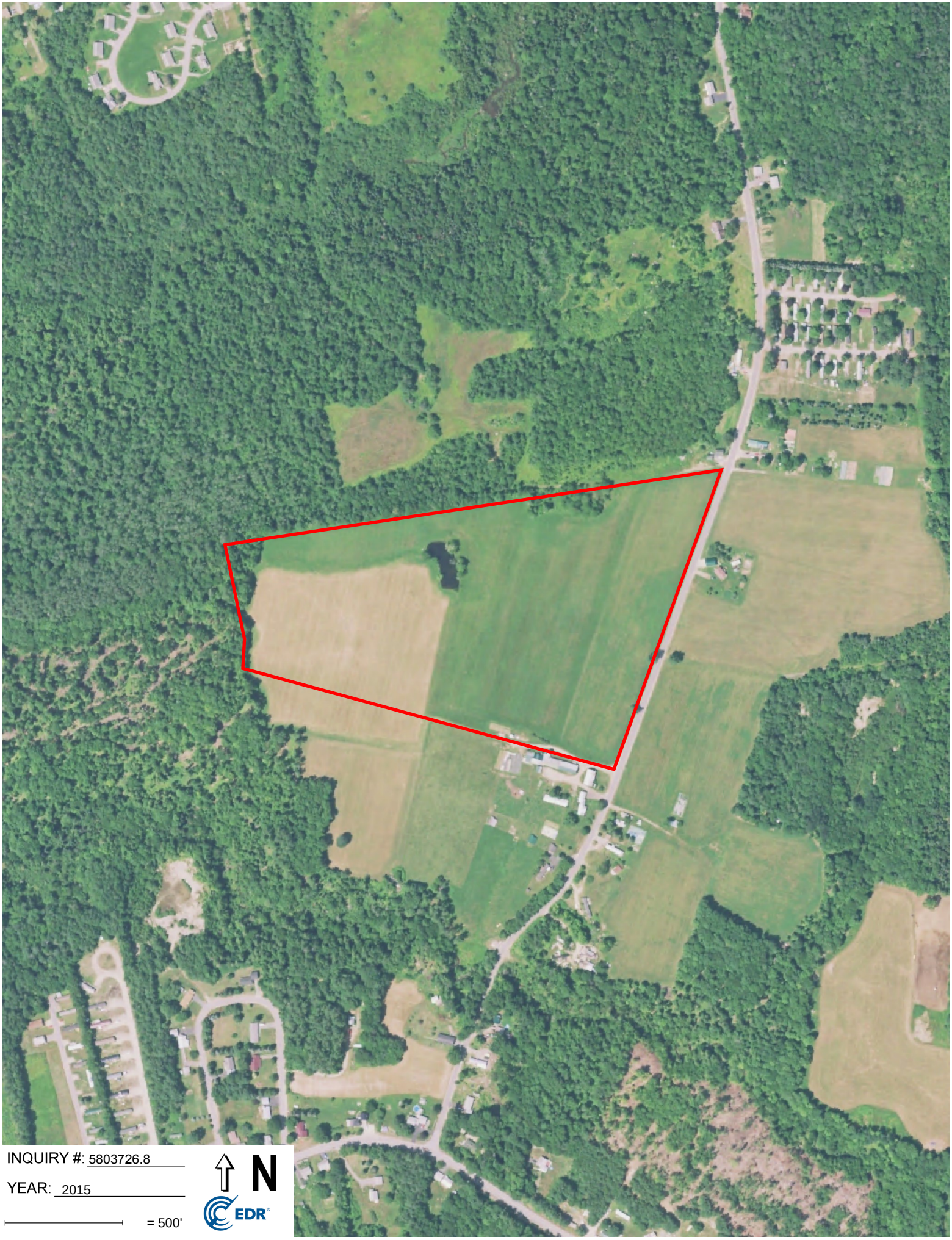
Sevee & Maher Engineers, Inc.
4 Blanchard Rd
Cumberland, ME 04021
Contact: Laura Devaudreuil

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

Search Results:

Year	*Scale*	*Details*	*Source*
2015	1"=500'	Flight Year: 2015	USDA/NAIP
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2007	1"=500'	Flight Year: 2007	USDA/NAIP
2003	1"=500'	Flight Date: May 17, 2003	USGS
1998	1"=500'	Acquisition Date: May 01, 1998	USGS/DOQQ
1992	1"=750'	Flight Date: August 24, 1992	USGS
1985	1"=1000'	Flight Date: November 01, 1985	USGS
1964	1"=500'	Flight Date: April 19, 1964	USGS
1960	1"=500'	Flight Date: May 01, 1960	USGS

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



INQUIRY #: 5803726.8

YEAR: 2015

= 500'

N

EDR

INQUIRY #: 5803726.8

YEAR: 2011

= 500'

N

EDR


INQUIRY #: 5803726.8
YEAR: 2007
= 500'
N
EDR

INQUIRY #: 5803726.8

YEAR: 2003

= 500'

N

EDR

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


INQUIRY #: 5803726.8
YEAR: 1998
= 500'
N
EDR

INQUIRY #: 5803726.8

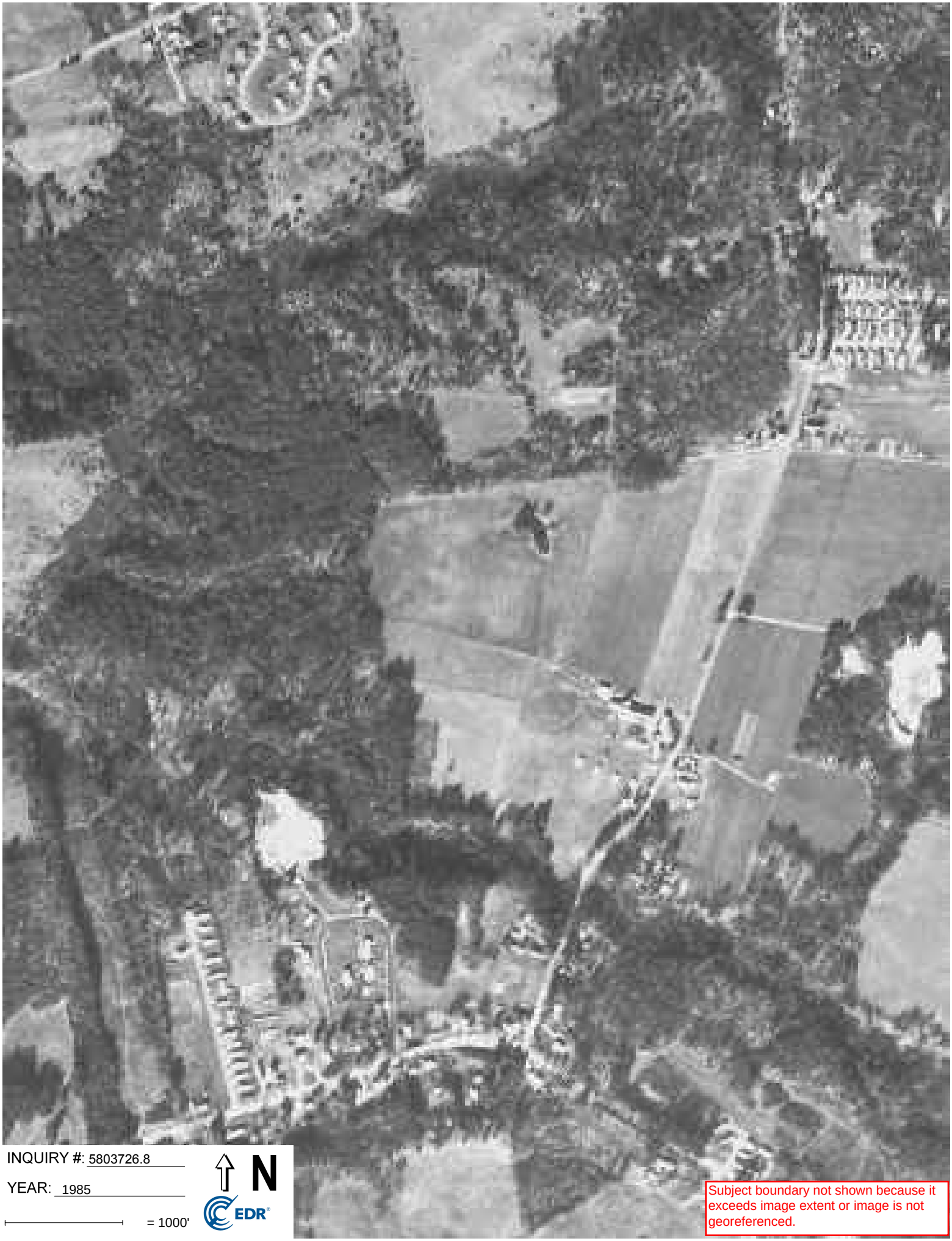
YEAR: 1992

= 750'

N

EDR

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



INQUIRY #: 5803726.8

YEAR: 1985

= 1000'

N

EDR

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


INQUIRY #: 5803726.8
YEAR: 1964
= 500'
N
EDR

INQUIRY #: 5803726.8

YEAR: 1960

= 500'

N

EDR

Livermore Falls

52 Souther Road

Livermore Falls, ME 04254

Inquiry Number: 6143715.8

August 05, 2020

The EDR Aerial Photo Decade Package

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Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

08/05/20

Site Name:

Livermore Falls
52 Souther Road
Livermore Falls, ME 04254
EDR Inquiry # 6143715.8

Client Name:

Sevee & Maher Engineers, Inc.
4 Blanchard Rd
Cumberland, ME 04021
Contact: Laura Devaudreuil

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

Search Results:

Year	*Scale*	*Details*	*Source*
2015	1"=500'	Flight Year: 2015	USDA/NAIP
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2007	1"=500'	Flight Year: 2007	USDA/NAIP
1999	1"=750'	Flight Date: May 30, 1999	USGS
1998	1"=500'	Acquisition Date: May 01, 1998	USGS/DOQQ
1991	1"=750'	Flight Date: July 22, 1991	USGS
1985	1"=1000'	Flight Date: November 01, 1985	USGS
1981	1"=500'	Flight Date: May 08, 1981	USGS
1964	1"=500'	Flight Date: April 19, 1964	USGS
1960	1"=500'	Flight Date: May 01, 1960	USGS

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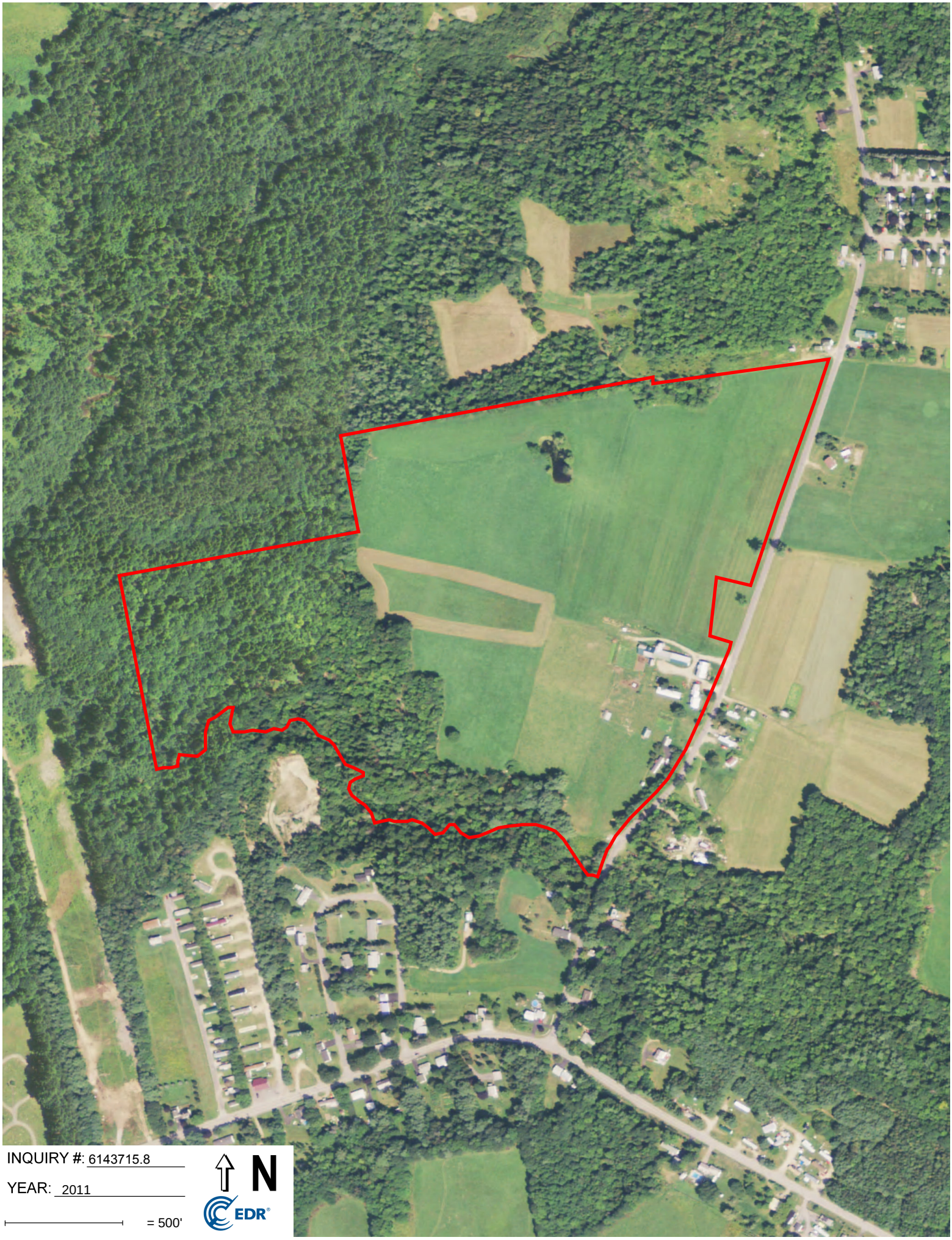
INQUIRY #: 6143715.8
YEAR: 2015
= 500'
N
EDR


INQUIRY #: 6143715.8
YEAR: 2011
= 500'
N
EDR


INQUIRY #: 6143715.8
YEAR: 2007
= 500'
N
EDR

INQUIRY #: 6143715.8

YEAR: 1999

= 750'

N

EDR

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


INQUIRY #: 6143715.8
YEAR: 1998
= 500'
N
EDR

INQUIRY #: 6143715.8

YEAR: 1991

= 750'

N

EDR

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

INQUIRY #: 6143715.8

YEAR: 1985

= 1000'

N

EDR

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

INQUIRY #: 6143715.8

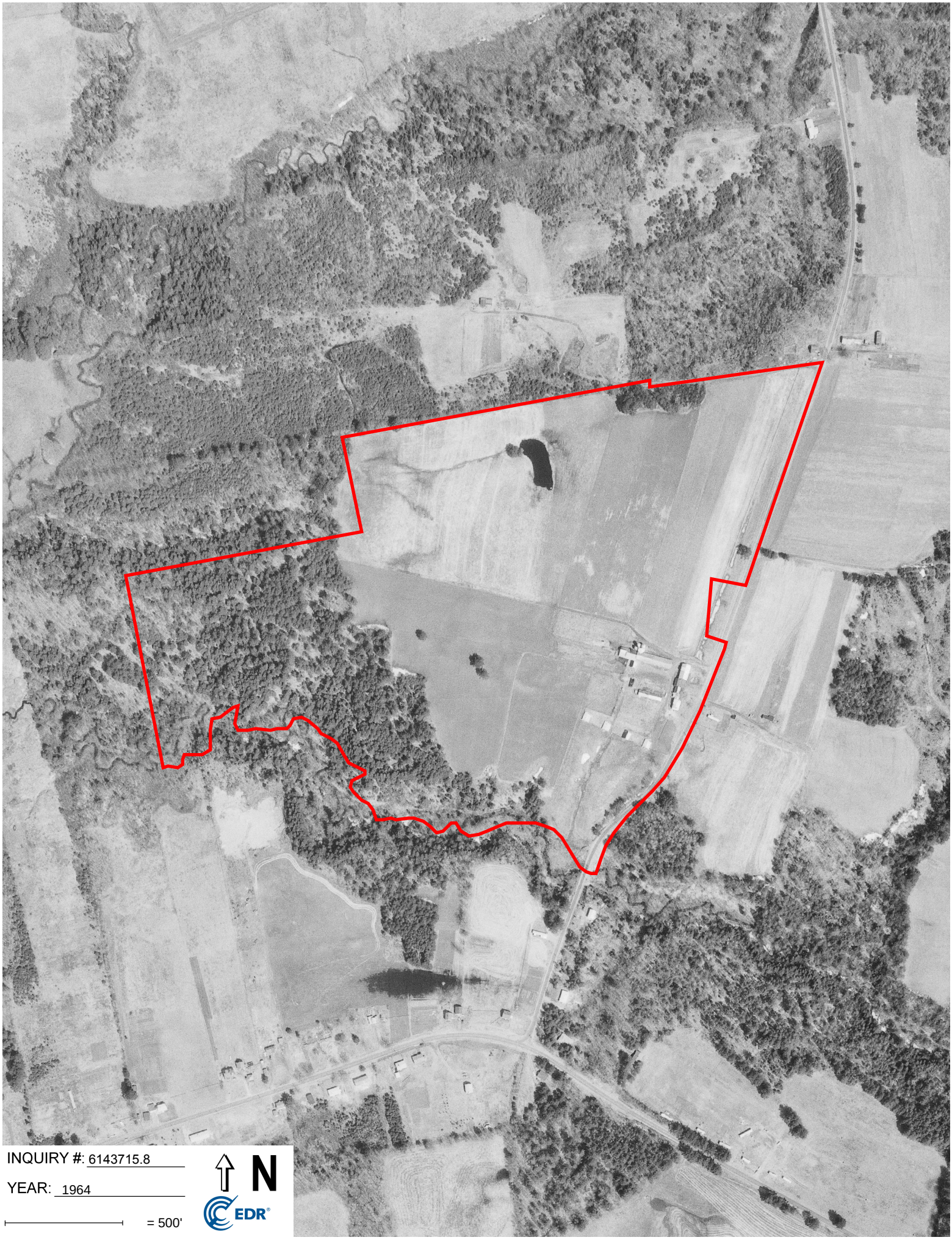
YEAR: 1981

= 500'

N

EDR

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



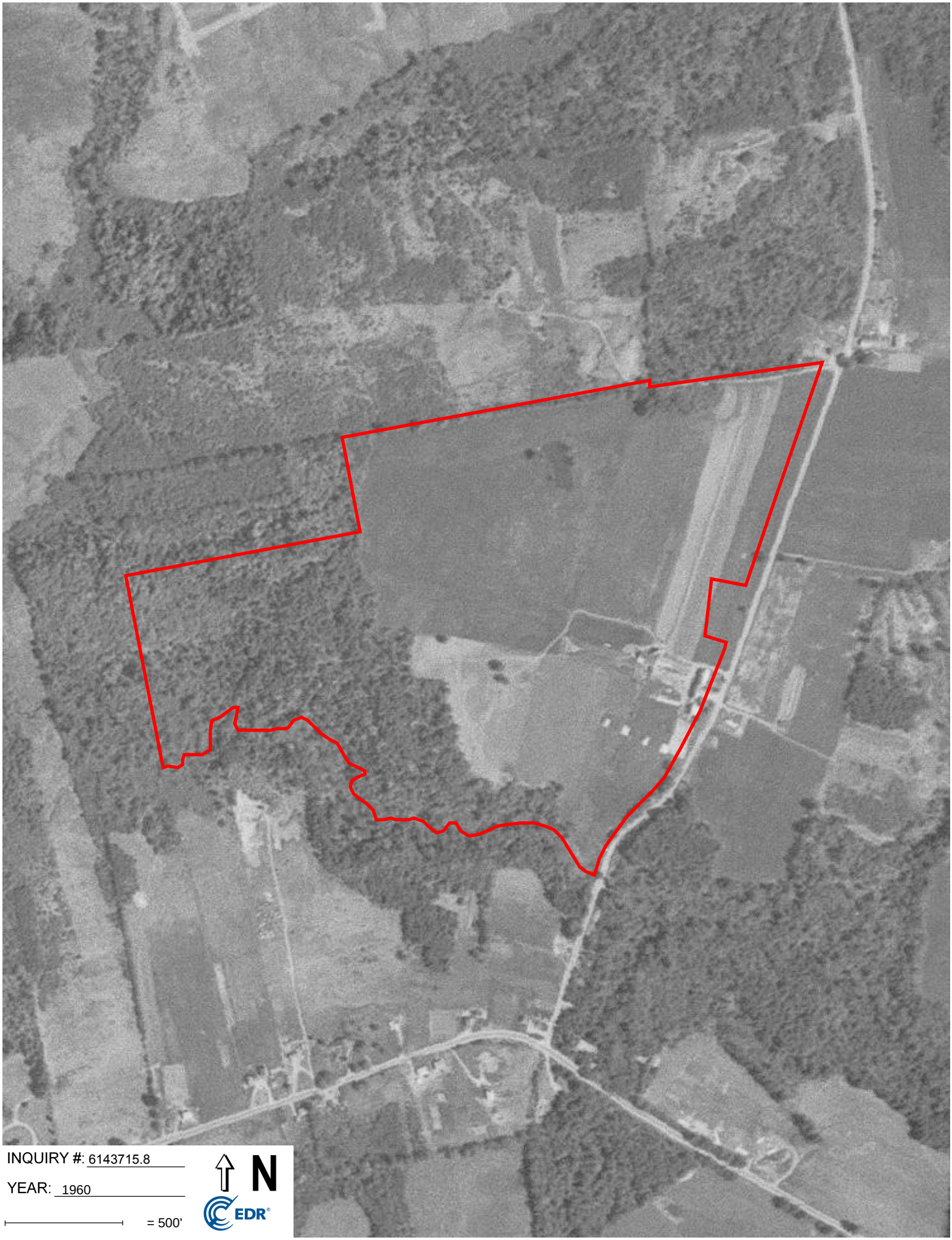
INQUIRY #: 6143715.8

YEAR: 1964

= 500'

N

EDR


INQUIRY #: 6143715.8
YEAR: 1960
= 500'
N
EDR

Souther Road
Souther Road
Livermore Falls, ME 04254

Inquiry Number: 5803726.5
September 25, 2019

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

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

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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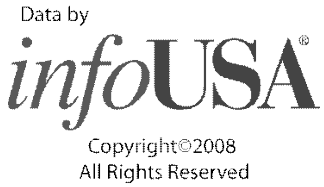

RESEARCH SUMMARY

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.

Year	Target Street	Cross Street	Source
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive

FINDINGS

TARGET PROPERTY STREET

Souther Road
Livermore Falls, ME 04254

Year	*CD Image*	*Source*
SOUTHER RD		
2014	pg A1	EDR Digital Archive
2010	pg A2	EDR Digital Archive
2005	pg A3	EDR Digital Archive

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

SOUTHER RD 2014

9	LOADWICK, EDWIN A
14	CASTONGUAY, LARRY J
17	SOUCY, THEODORE E
18	TANNER, LAN
19	WATSON, TIMOTHY D
43	SOUTHER, WILBUR
47	SOUTHER, VICKI D
48	SOUTHER, RON
51	SOUTHER, THOMAS
53	WINTER, N
58	RICHARDS, NATE
	SOUTHER, HAROLD W
61	CAPALBO, KAYLA
68	OCCUPANT UNKNOWN,
101	SOUTHER, HAROLD
121	SOUTHER, ERNIE L
136	CATE, JULIA L
158	SOUTHER, LAURISTON S
161	MAINE PORK PRODUCES
	SOUTHER HELEN H
	SOUTHER, CLARK L
189	TRIPP, WALLACE S
197	CARON, JOSEPH G
220	DECKER, CARROLL
235	BURGESS, JUDITH M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

SOUTHER RD 2010

9	LOADWICK, EDWIN A
14	CASTONGUAY, LARRY J
17	SOUCY, THEODORE E
18	TANNER, IAN D
19	HUTTON, ROBERT B
43	SOUTHER WILBUR O
	SOUTHER, WILBUR
47	OCCUPANT UNKNOWN,
51	OCCUPANT UNKNOWN,
53	WINTER, N
58	RICHARDS, NATE
	SOUTHER, HAROLD W
59	POMERLEAU, FRANK
61	OCCUPANT UNKNOWN,
68	OCCUPANT UNKNOWN,
120	COTE, RICHARD N
121	SOUTHER, ERNIE L
136	COTE RICHARD N
	OCCUPANT UNKNOWN,
158	SOUTHER, LAURISTON S
161	MAINE PORK PRODUCES
	SOUTHER HELEN H
	SOUTHER, CLARK L
178	KENNEDY, DONALD O
189	TRIPP, WALLACE S
197	CARON, RACHEL F
220	GREATON, HORACE
235	DONELL, DANA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

SOUTHER RD 2005

9	BELANGER, JOSEPH D
	PINKHAM, WESTON E
14	CASTONGUAY, LARRY J
17	OCCUPANT UNKNOWN,
18	OCCUPANT UNKNOWN,
19	HUTTON, ROBERT B
43	OCCUPANT UNKNOWN,
	SOUTHER WILBUR O
58	CORKUM, HILDA S
68	MORRIS, RONNY S
69	MORRIS RONNY
120	COTE, JULIA L
121	SOUTHER, ERNIE L
136	OCCUPANT UNKNOWN,
158	SOUTHER, LAURISTON
161	SOUTHER HELEN H
	SOUTHER, CLARK
178	KENNEDY, DONALD O
197	OCCUPANT UNKNOWN,
220	CONSTANTINE, PRUDY
1355	TRIPP, WALLACE S

Livermore Falls
52 Souther Road
Livermore Falls, ME 04254

Inquiry Number: 6143715.5
August 05, 2020

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

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

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

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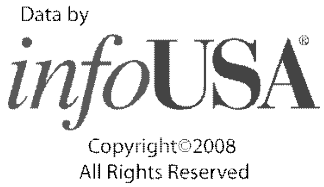

RESEARCH SUMMARY

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.

Year	Target Street	Cross Street	Source
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive

FINDINGS

TARGET PROPERTY STREET

52 Souther Road
Livermore Falls, ME 04254

Year	*CD Image*	*Source*
SOUTHER RD		
2017	pg A1	EDR Digital Archive
2014	pg A2	EDR Digital Archive
2010	pg A3	EDR Digital Archive
2005	pg A4	EDR Digital Archive

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

SOUTHER RD 2017

9	LOWERY, BOBBY
18	TANNER, LAN
19	WATSON, TIMOTHY D
47	SOUTHER, VICKI D
58	SOUTHER, HAROLD W
61	LIVERMORE, EDWARD
101	SOUTHER, ERNIE L
120	COTE, RICHARD
136	CRANEY, DANA A
161	SOUTHER, CLARK L
178	KENNEDY, SARAH L
189	MASON, MARY E
197	CARON, JOSEPH G
235	BURGESS, JUDITH M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

SOUTHER RD 2014

9	LOADWICK, EDWIN A
14	CASTONGUAY, LARRY J
17	SOUCY, THEODORE E
18	TANNER, LAN
19	WATSON, TIMOTHY D
43	SOUTHER, WILBUR
47	SOUTHER, VICKI D
48	SOUTHER, RON
51	SOUTHER, THOMAS
53	WINTER, N
58	RICHARDS, NATE
	SOUTHER, HAROLD W
61	CAPALBO, KAYLA
68	OCCUPANT UNKNOWN,
101	SOUTHER, HAROLD
121	SOUTHER, ERNIE L
136	CATE, JULIA L
158	SOUTHER, LAURISTON S
161	SOUTHER, CLARK L
189	TRIPP, WALLACE S
197	CARON, JOSEPH G
220	DECKER, CARROLL
235	BURGESS, JUDITH M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

SOUTHER RD 2010

9	LOADWICK, EDWIN A
14	CASTONGUAY, LARRY J
17	SOUCY, THEODORE E
18	TANNER, IAN D
19	HUTTON, ROBERT B
43	SOUTHER, WILBUR
47	OCCUPANT UNKNOWN,
51	OCCUPANT UNKNOWN,
53	WINTER, N
58	RICHARDS, NATE
	SOUTHER, HAROLD W
59	POMERLEAU, FRANK
61	OCCUPANT UNKNOWN,
68	OCCUPANT UNKNOWN,
120	COTE, RICHARD N
121	SOUTHER, ERNIE L
136	OCCUPANT UNKNOWN,
158	SOUTHER, LAURISTON S
161	MAINE PORK PRODUCES
	SOUTHER, CLARK L
178	KENNEDY, DONALD O
189	TRIPP, WALLACE S
197	CARON, RACHEL F
220	GREATON, HORACE
235	DONELL, DANA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

SOUTHER RD 2005

9	BELANGER, JOSEPH D
	PINKHAM, WESTON E
14	CASTONGUAY, LARRY J
17	OCCUPANT UNKNOWN,
18	OCCUPANT UNKNOWN,
19	HUTTON, ROBERT B
43	OCCUPANT UNKNOWN,
58	CORKUM, HILDA S
	HAROLD SOUTHER
68	MORRIS, RONNY S
120	COTE, JULIA L
121	SOUTHER, ERNIE L
136	OCCUPANT UNKNOWN,
158	SOUTHER, LAURISTON
161	SOUTHER, CLARK
178	KENNEDY, DONALD O
197	OCCUPANT UNKNOWN,
220	CONSTANTINE, PRUDY
1355	TRIPP, WALLACE S

APPENDIX D

ENVIRONMENTAL RECORDS

SME
SEVEE & MAHER
ENGINEERS

Souther Road
Souther Road
Livermore Falls, ME 04254

Inquiry Number: 5803726.2s
September 25, 2019

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

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with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), 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

SOUTHER ROAD
LIVERMORE FALLS, ME 04254

COORDINATES

Latitude (North):	44.4736930 - 44˚ 28' 25.29''
Longitude (West):	70.1610900 - 70˚ 9' 39.92''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	407651.7
UTM Y (Meters):	4924926.0
Elevation:	389 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6700160 LIVERMORE FALLS, ME
Version Date:	2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150716
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
SOUTHER ROAD
LIVERMORE FALLS, ME 04254

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	ROBINSON HOME	232 FAYETTE ROAD LOT	LAST	Lower	1773, 0.336, SSE
A2	WESLEY WRIGHT	250 FAYETTE RD.	LAST	Lower	1934, 0.366, SSE
A3	POMEROY; LUCIEN	RR1; BOX 981; ROUTE	LUST	Lower	1951, 0.370, SSE
A4	RICK WEBSTER	249 FAYETTE ROAD, LO	LAST	Lower	1968, 0.373, SSE
5	PEARLE HINKLEY	285 FAYETTE RD	LAST	Lower	2420, 0.458, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

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

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

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

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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 CONTROL ..... Sites with Institutional Controls

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS ..... Remediation Sites List

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ..... Solid Waste Facility List
LCP ..... Municipal Landfill Closure Database

State and tribal leaking storage tank lists

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ..... Underground Storage Tank Listing
UST ..... Underground Storage Tank Database
AST ..... Aboveground Storage Tanks
INDIAN UST ..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

INST CONTROL ..... Remediation Sites List

State and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing
VCP ..... Remediation Sites List

State and tribal Brownfields sites

BROWNFIELDS ..... Remediation Sites List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

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

EXECUTIVE SUMMARY

ALLSITES	Remediation Sites List
DEL SHWS	Sites Removed from the Uncontrolled Sites List
US CDL	National Clandestine Laboratory Register
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	Hazardous Material and Oil Spill System Database
SPILLS 90	SPILLS 90 data from FirstSearch
SPILLS 80	SPILLS 80 data from FirstSearch

Other Ascertainable Records

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

UXO ---------- Unexploded Ordnance Sites
FUELS PROGRAM ---------- EPA Fuels Program Registered Listing
AIRS ---------- Emissions Inventory Data
DRYCLEANERS ---------- Drycleaner Facilities
MANIFEST ---------- Hazardous Waste Manifest Information Listing
NPDES ---------- Wastewater Facilities Listing
TIER 2 ---------- Tier 2 Information Listing
UIC ---------- Underground Injection Control

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.

STANDARD ENVIRONMENTAL RECORDS

State and tribal leaking storage tank lists

LAST: A listing of leaking aboveground storage tanks.

A review of the LAST list, as provided by EDR, and dated 07/27/2019 has revealed that there are 4 LAST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROBINSON HOME Spill Number: A-755-2014	232 FAYETTE ROAD LOT	SSE 1/4 - 1/2 (0.336 mi.)	1	8
WESLEY WRIGHT	250 FAYETTE RD.	SSE 1/4 - 1/2 (0.366 mi.)	A2	10

Spill Number: A-705-2006				
RICK WEBSTER Spill Number: A-135-2012	249 FAYETTE ROAD, LO	SSE 1/4 - 1/2 (0.373 mi.)	A4	24
PEARLE HINKLEY Spill Number: A-704-2002	285 FAYETTE RD	SSE 1/4 - 1/2 (0.458 mi.)	5	28

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Protection's Hazardous Material and Oil Spill System Database (H.O.S.S.).

A review of the LUST list, as provided by EDR, and dated 07/27/2019 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

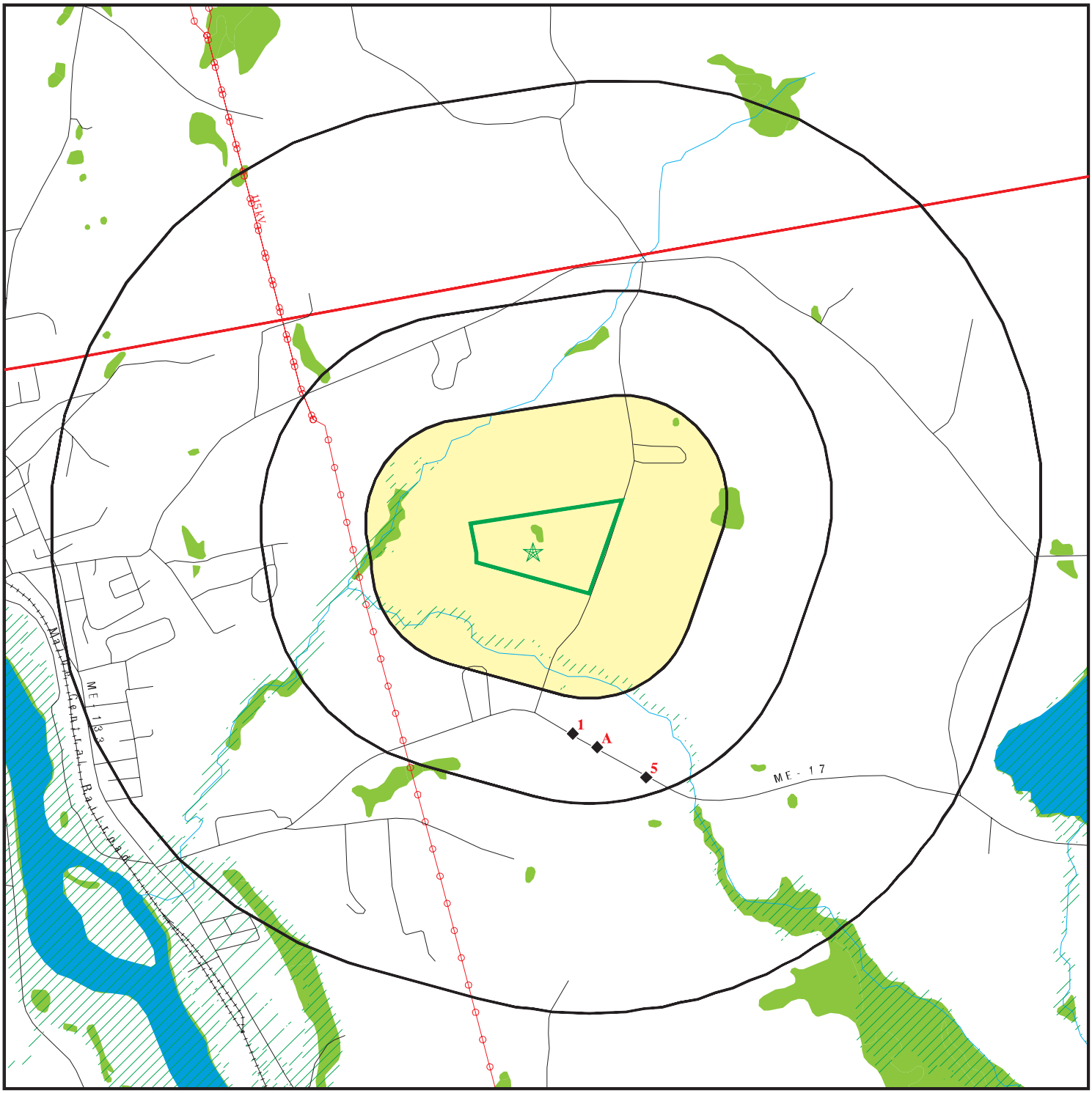
Lower Elevation	Address	Direction / Distance	Map ID	Page
POMEROY; LUCIEN Spill Value: Non-Oil, Non-Hazardous Incident Spill Number: A-225-1995	RR1; BOX 981; ROUTE	SSE 1/4 - 1/2 (0.370 mi.)	A3	13

EXECUTIVE SUMMARY

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

Site Name	Database(s)
RODNEY LAKE RESIDENCE	LAST
GARY ROLAND RESIDENCE	LAST

OVERVIEW MAP - 5803726.2S



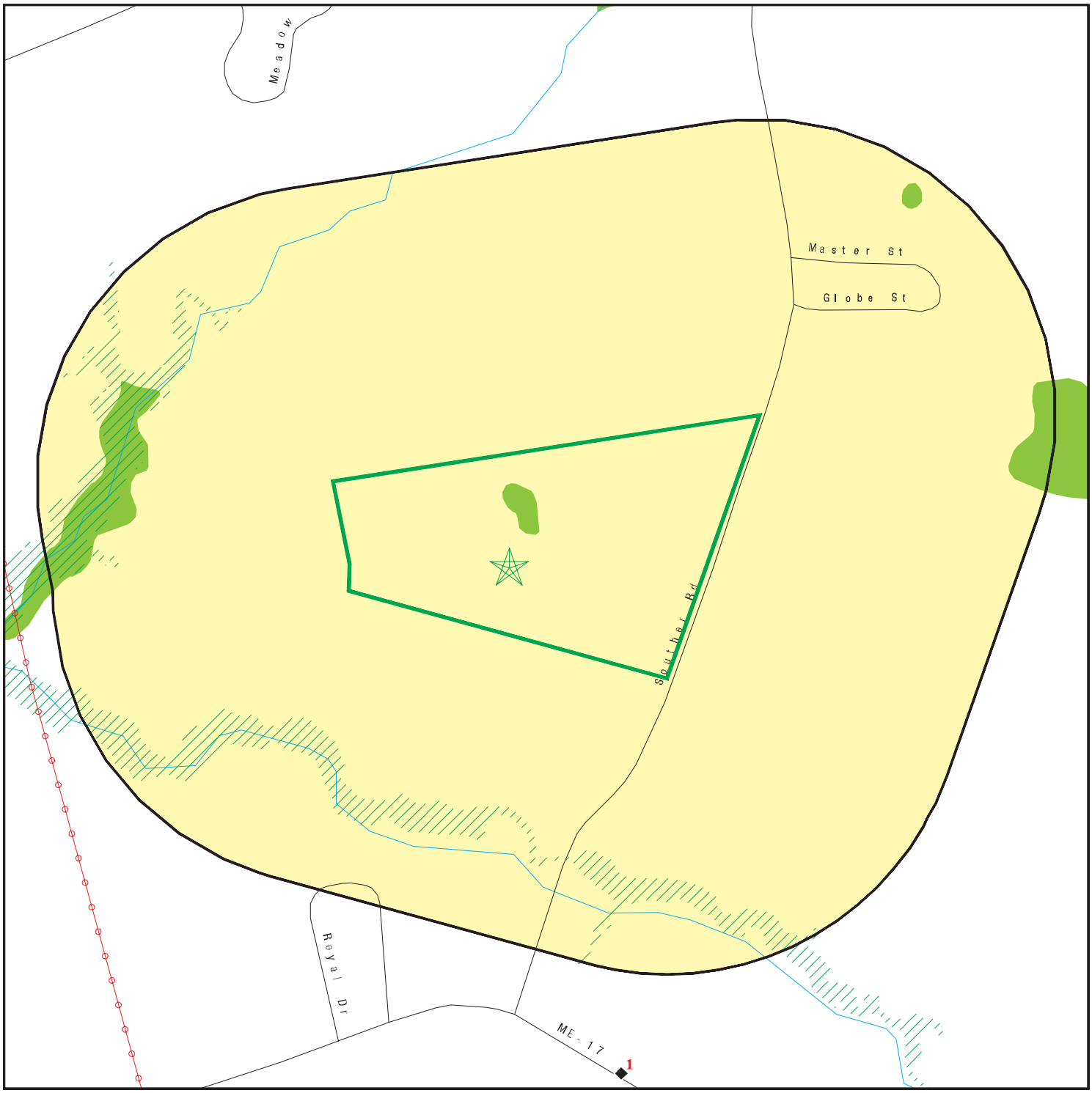
0 1/4 1/2 1 Miles

- 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
- County Boundary
- 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: Souther Road ADDRESS: Souther Road Livermore Falls ME 04254 LAT/LONG: 44.473693 / 70.16109	CLIENT: Sevee & Maher Engineers, Inc. CONTACT: Laura Devaudreuil INQUIRY #: 5803726.2s DATE: September 25, 2019 10:35 pm

DETAIL MAP - 5803726.2S



- 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
- 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: Souther Road	CLIENT: Sevee & Maher Engineers, Inc.
ADDRESS: Souther Road Livermore Falls ME 04254	CONTACT: Laura Devaudreuil
LAT/LONG: 44.473693 / 70.16109	INQUIRY #: 5803726.2s DATE: September 25, 2019 10:36 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
LCP	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LAST	0.500		0	0	4	NR	NR	4
LUST	0.500		0	0	1	NR	NR	1
INDIAN LUST	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
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
ALLSITES	0.500		0	0	0	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
SPILLS 80	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

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
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		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	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
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	TP		NR	NR	NR	NR	NR	0

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
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	0	0	5	0	0	5

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
SSE
1/4-1/2
0.336 mi.
1773 ft.

ROBINSON HOME
232 FAYETTE ROAD LOT ONE
LIVERMORE FALLS, ME

LAST **S118709779**
N/A

Relative:
Lower

Actual:
369 ft.

LAST:

Event:

Name:	ROBINSON HOME
Address:	232 FAYETTE ROAD LOT ONE
City,State,Zip:	LIVERMORE FALLS, ME
Spill Number:	A-755-2014
Inc Tank Code:	A
Inc Tank:	Above Ground Tank(s) Involved
Removal Flag:	False
UST registered flag:	True
AST inside flag:	False
Create Date:	12/02/2014
Create By:	EIJWOODA
Modify Date:	06/23/2016
Modify By:	06/23/2016
Report Status Code:	FR
Report Status:	Final Report
Spill Datetime:	Not reported
Spill Date Unknown:	True
Spill Time Unknown:	True
Number of wells at risk:	0
Number of wells impacted:	0
DTREE completed flag:	False
MCD Value:	1080
Further response action:	False
Spill Type Code:	O
Spill Type:	Oil Incident
Reporter Type Code:	6
Reporter Type:	Contractor/Consultant
Detection Method Code:	L
Detection Method:	Visual Product
Inc Location Code:	SF
Inc Location:	Residential - Single Family
Inc Source Code:	TA
Inc Source:	Storage Unit - Aboveground Storage Tank
Spill Cause Code:	08
Spill Cause:	Mechanical Failure - Loose Fitting
Material Disposal Info:	Soil disposal by Maine Department of Environmental Protection.
Last Document Search:	https://fortisport.maine.gov/fortisportal/dddisplayqueryprompts.aspx?Database=OfficeDocs&Query=DEP_Spills&QuerySet=Portal_Queries&User=Portal.DEP&Password=DEPPortal1

Change:

Description:	Report Created with Report Status = DR
Date Change:	12/02/2014
Changed By:	EIJWOODA
Description:	Report Status change from DQA to FR
Date Change:	06/23/2016
Changed By:	EIRKROUT
Description:	Report Status change from DRV to DQA
Date Change:	04/13/2016

ROBINSON HOME (Continued) **S118709779**

Changed By: EIJWOODA

Description: Report Status change from DR to DRV
Date Change: 09/21/2015
Changed By: EIGWALL

Contact:
Contact Type: Subject/Spiller
Potential RP: True
Name: MR. ROBINSON
Title: Not reported
Company: Not reported
Address: 232 FAYETTE ROAD, LOT 1
City,State: LIVERMORE FALLS,ME
Country: USA
Zipcode: 04254
Phone/Ext: /
Comments: Not reported

Primary Employee:
Primary Employee: True
Name: GLEN WALL

Media Affected:
Medium: Land

Log:
Spill Void Flag: False
Spill Office: Augusta
Spill Off Sequence: 755
Spill Year: 2014
Create Date: 12/02/2014
Created By: EIJWOODA
Modify Date: 09/21/2015
Modify By: EIGWALL
Log Spill Type: Oil Incident
Log Spill Datetime: Not reported
Spill Time Unk: False
Spill Dt Unknown: False
Log Rep Dt Tm: 11/26/2014
Log Rep Prod Cd: 01
Log Rep Prod: #1 FUEL OIL - KEROSENE
Log Emp Name: GLEN WALL
Location: 232 Fayette Road lot 1
Log Location Town: LIVERMORE FALLS
Log Tank Involved: Above Ground Tank(s) Involved
Notes: small amount of spillage

Material Recovered:
Material Recovered Type: CS
Material Recovered: Contaminated Soil
Material Amount: 10
Material Units: lbs.
Material Amt Qualifier: ESTIMATE

ROBINSON HOME (Continued) **S118709779**

Spill Point:
Recovery Method: Excavation

Product:
Product Code: #1 FUEL OIL - KEROSENE
Product Other: Not reported
Product Amt: .25
Product Amt Unit: gals.
Product Amt Qualifier: ESTIMATE
Primary Product: True

A2 **WESLEY WRIGHT** **LAST** **S110137719**
SSE **250 FAYETTE RD.** **N/A**
1/4-1/2 **LIVERMORE FALLS, ME**
0.366 mi.
1934 ft. **Site 1 of 3 in cluster A**

Relative:
Lower

Actual:
378 ft.

LAST:

Event:
Name: WESLEY WRIGHT
Address: 250 FAYETTE RD.
City,State,Zip: LIVERMORE FALLS, ME
Spill Number: A-705-2006
Inc Tank Code: A
Inc Tank: Above Ground Tank(s) Involved
Removal Flag: False
UST registered flag: True
AST inside flag: False
Create Date: 12/12/2006
Create By: EIGWALL
Modify Date: 01/30/2010
Modify By: 01/30/2010
Report Status Code: FR
Report Status: Final Report
Spill Datetime: 12/10/2006
Spill Date Unknown: False
Spill Time Unknown: True
Number of wells at risk: 0
Number of wells impacted: 0
DTREE completed flag: False
MCD Value: 1080
Further response action: False
Spill Type Code: O
Spill Type: Oil Incident
Reporter Type Code: 2
Reporter Type: Subject/Spiller
Detection Method Code: L
Detection Method: Visual Product
Inc Location Code: SF
Inc Location: Residential - Single Family
Inc Source Code: TA
Inc Source: Storage Unit - Aboveground Storage Tank
Spill Cause Code: 01
Spill Cause: Corrosion - Tank
Material Disposal Info: soil removed and transported to CPRC.

WESLEY WRIGHT (Continued) **S110137719**

Last Document Search: https://fortisport.maine.gov/fortisportal/dddisplayqueryprompts.aspx?Database=OfficeDocs&Query=DEP_Spills&QuerySet=Portal_Queries&User=Portal.DEP&Password=DEPPortal1

Change:
Description: Report Status change from DRV to DQA
Date Change: 01/18/2008
Changed By: EIPBLANC

Description: Report Status change from DR to DRV
Date Change: 01/04/2007
Changed By: EIGWALL

Description: Report Created with Report Status = DR
Date Change: 12/12/2006
Changed By: EIGWALL

Description: Report Status change from DQA to FR
Date Change: 01/30/2010
Changed By: EIKWALKE

Contact:
Contact Type: Subject/Spiller
Potential RP: True
Name: WESLEY S WRIGHT
Title: Not reported
Company: Not reported
Address: PO BOX 71
City,State: JAY,ME
Country: USA
Zipcode: 04239
Phone/Ext: /
Comments: Not reported

Contact Type: Other Contact
Potential RP: False
Name: ELWOOD LEIGHTON
Title: OWNER OF COMPANY
Company: Not reported
Address: 10 KARN RD
City,State: LIVERMORE FALLS,ME
Country: USA
Zipcode: 04254
Phone/Ext: /
Comments: Not reported

Primary Employee:
Primary Employee: True
Name: GLEN WALL

File:
Spill Id: A-705-2006
Date Created: 02/01/2010
Created By: IMAGING
Date Modified: 02/01/2010
Modified By: IMAGING

WESLEY WRIGHT (Continued) **S110137719**

File Num Sheets: 0
Notes: Report scanned into the imaging system on 01-FEB-10.
Reconcile Date: Not reported
File Reconciled By: Not reported

Media Affected:
Medium: Land

Log:
Spill Void Flag: False
Spill Office: Augusta
Spill Off Sequence: 705
Spill Year: 2006
Create Date: 12/12/2006
Created By: EIGWALL
Modify Date: 12/19/2006
Modify By: EIGWALL
Log Spill Type: Oil Incident
Log Spill Datetime: Not reported
Spill Time Unk: True
Spill Dt Unknown: True
Log Rep Dt Tm: 12/11/2006
Log Rep Prod Cd: 01
Log Rep Prod: #1 FUEL OIL - KEROSENE
Log Emp Name: GLEN WALL
Location: 250 Fayette Rd.
Log Location Town: LIVERMORE FALLS
Log Tank Involved: Above Ground Tank(s) Involved
Notes: Not reported

Material Recovered:
Material Recovered Type: CS
Material Recovered: Contaminated Soil
Material Amount: 44.08
Material Units: cu. yds.
Material Amt Qualifier: ACTUAL

Spill Point:
Recovery Method: Excavation

Product:
Product Code: #1 FUEL OIL - KEROSENE
Product Other: Not reported
Product Amt: 100
Product Amt Unit: gals.
Product Amt Qualifier: ESTIMATE
Primary Product: True

Attachments:
Description: Clean-up Options Agreement
Attach Type: Paper Attach
File Name: Not reported
File Code: Not reported
File Size: Not reported

WESLEY WRIGHT (Continued) **S110137719**

File Modify Date: 01/04/2007

Description: Expense Tracking
Attach Type: Electronic Form
File Name: Not reported
File Code: Not reported
File Size: Not reported
File Modify Date: 12/19/2006

Description: Generator Special Waste Processing Info...a CPRC form
Attach Type: Paper Attach
File Name: Not reported
File Code: Not reported
File Size: Not reported
File Modify Date: 02/05/2007

Description: OIL SPILL DEBRIS FORM....a DEP form
Attach Type: Paper Attach
File Name: Not reported
File Code: Not reported
File Size: Not reported
File Modify Date: 02/05/2007

A3 **POMEROY; LUCIEN** **LUST** **S106788311**
SSE **RR1; BOX 981; ROUTE 17** **N/A**
1/4-1/2 **LIVERMORE FALLS, ME**
0.370 mi.
1951 ft. **Site 2 of 3 in cluster A**

Relative: Lower

Actual: 378 ft.

LUST:

Event:
Name: POMEROY; LUCIEN
Address: RR1; BOX 981; ROUTE 17
City,State,Zip: LIVERMORE FALLS, ME
Spill Number: A-225-1995
Spill Cause: Accident - Human Error
Spill Type: Non-Oil, Non-Hazardous Incident
Inc Tank: Underground Tank(s) Involved
Removal Flag: False
UST Registered Flag: True
MCD Value: 1080
Create Date: 12/07/2001
Create By: SPILLS
Modify Date: 12/07/2001
Modify By: SPILLS
Report Status: Final Report
Actual Spill Datetime: Not reported
Actual Spill Date Unknown: True
Number Wells At Risk: 0
Number Wells Impacted: Not reported
Dtree Completed Flag: False
Further Response Action: False
Reporter Type: Subject/Spiller
Detection Method: Tank and/or Piping Removal
Inc Location: Residential - Single Family
Inc Source: Not reported

POMEROY; LUCIEN (Continued) **S106788311**

Material Disposal Info: Not reported
Lust Document Search: https://fortisport.maine.gov/fortisportal/dddisplayqueryprompts.aspx?Database=OfficeDocs&Query=DEP_Spills&QuerySet=Portal_Queries&User=Portal.DEP&Password=DEPPortal1

Change:
Description: Report Created with Report Status = FR
Date Change: 12/07/2001
Changed By: SPILLS

Contact:
Contact Type: Subject/Spiller
Potential RP: False
Name: LUCIEN POMEROY;
Title: Not reported
Company: Not reported
Address: RR1; BOX 981
City,State: LIVERMORE FALLS,ME
Country: Not reported
Zipcode: 04254
Phone/Ext: /
Comments: Not reported

Primary Employee:
Primary Employee: True
Name: MARY CORR

File:
Spill Id: A-225-1995
Date Created: 12/18/2008
Created By: IMAGING
Date Modified: 12/18/2008
Modified By: IMAGING
File Num Sheets: 0
Notes: Report scanned into the imaging system on 18-DEC-08.
Reconcile Date: Not reported
File Reconciled By: Not reported

Media Affected:
Medium: Groundwater

Log:
Spill Void Flag: False
Spill Office: Augusta
Spill Off Sequence: 225
Spill Year: 1995
Create Date: 12/07/2001
Created By: SPILLS
Modify Date: 12/07/2001
Modify By: SPILLS
Log Spill Type: Non-Oil, Non-Hazardous Incident
Log Spill Datetime: Not reported
Spill Time Unk: True
Spill Dt Unknown: True
Log Rep Dt Tm: 05/31/1995

POMEROY; LUCIEN (Continued) **S106788311**

Log Rep Prod Cd: 02
Log Rep Prod: #2 FUEL OIL
Log Emp Name: MARY CORR
Location: Not reported
Log Location Town: LIVERMORE FALLS
Log Tank Involved: Underground Tank(s) Involved
Notes: Not reported

Material Recovered:
Material Recovered Type: Not reported
Material Recovered: Not reported
Material Amount: Not reported
Material Units: Not reported
Material Amt Qualifier: Not reported

Recovery Method: Not reported

Spill Point:
Create Date: 9/10/2008
Created By: EICHALST
Modify Date: 7/15/2009
Modify By: EICHALST
Point Type Code: ASP
UTM North: 4924393.7800000003
UTM East: 407915.34999999998
GPS Unit: TANKS
GPS Date: Not reported
GPS Time: Not reported
GIS Feature Class: Response_Spill_Points
GIS Object Id: 13836
GIS Sync Flag: True

Product:
Product Code: NONE
Product Other: Not reported
Product Amt: 0
Product Amt Unit: gals.
Product Amt Qualifier: ACTUAL
Primary Product: False

Event:
Name: POMEROY; LUCIEN
Address: RR1; BOX 981; ROUTE 17
City,State,Zip: LIVERMORE FALLS, ME
Spill Number: A-225-1995
Spill Cause: Accident - Human Error
Spill Type: Non-Oil, Non-Hazardous Incident
Inc Tank: Underground Tank(s) Involved
Removal Flag: False
UST Registered Flag: True
MCD Value: 1080
Create Date: 12/07/2001
Create By: SPILLS
Modify Date: 12/07/2001

POMEROY; LUCIEN (Continued) **S106788311**

Modify By: SPILLS
Report Status: Final Report
Actual Spill Datetime: Not reported
Actual Spill Date Unknown: True
Number Wells At Risk: 0
Number Wells Impacted: Not reported
Dtree Completed Flag: False
Further Response Action: False
Reporter Type: Subject/Spiller
Detection Method: Tank and/or Piping Removal
Inc Location: Residential - Single Family
Inc Source: Not reported
Material Disposal Info: Not reported
Lust Document Search: https://fortisport.maine.gov/fortisportal/dddisplayqueryprompts.aspx?Database=OfficeDocs&Query=DEP_Spills&QuerySet=Portal_Queries&User=Portal.DEP&Password=DEPPortal1

Change:
Description: Report Created with Report Status = FR
Date Change: 12/07/2001
Changed By: SPILLS

Contact:
Contact Type: Subject/Spiller
Potential RP: False
Name: LUCIEN POMEROY;
Title: Not reported
Company: Not reported
Address: RR1; BOX 981
City,State: LIVERMORE FALLS,ME
Country: Not reported
Zipcode: 04254
Phone/Ext: /
Comments: Not reported

Primary Employee:
Primary Employee: True
Name: MARY CORR

File:
Spill Id: A-225-1995
Date Created: 12/18/2008
Created By: IMAGING
Date Modified: 12/18/2008
Modified By: IMAGING
File Num Sheets: 0
Notes: Report scanned into the imaging system on 18-DEC-08.
Reconcile Date: Not reported
File Reconciled By: Not reported

Media Affected:
Medium: Groundwater

Log:
Spill Void Flag: False

POMEROY; LUCIEN (Continued) **S106788311**

Spill Office:	Augusta
Spill Off Sequence:	225
Spill Year:	1995
Create Date:	12/07/2001
Created By:	SPILLS
Modify Date:	12/07/2001
Modify By:	SPILLS
Log Spill Type:	Non-Oil, Non-Hazardous Incident
Log Spill Datetime:	Not reported
Spill Time Unk:	True
Spill Dt Unknown:	True
Log Rep Dt Tm:	05/31/1995
Log Rep Prod Cd:	02
Log Rep Prod:	#2 FUEL OIL
Log Emp Name:	MARY CORR
Location:	Not reported
Log Location Town:	LIVERMORE FALLS
Log Tank Involved:	Underground Tank(s) Involved
Notes:	Not reported

Material Recovered:

Material Recovered Type:	Not reported
Material Recovered:	Not reported
Material Amount:	Not reported
Material Units:	Not reported
Material Amt Qualifier:	Not reported
Recovery Method:	Not reported

Spill Point:

Create Date:	9/10/2008
Created By:	EICHALST
Modify Date:	7/15/2009
Modify By:	EICHALST
Point Type Code:	ASP
UTM North:	4924393.7800000003
UTM East:	407915.34999999998
GPS Unit:	TANKS
GPS Date:	Not reported
GPS Time:	Not reported
GIS Feature Class:	Response_Spill_Points
GIS Object Id:	13836
GIS Sync Flag:	True

Product:

Product Code:	NONE
Product Other:	Not reported
Product Amt:	0
Product Amt Unit:	gals.
Product Amt Qualifier:	ACTUAL
Primary Product:	False

Event:

Name:	POMEROY; LUCIEN

POMEROY; LUCIEN (Continued) **S106788311**

Address:	RR1; BOX 981; ROUTE 17
City,State,Zip:	LIVERMORE FALLS, ME
Spill Number:	A-225-1995
Spill Cause:	Accident - Human Error
Spill Type:	Non-Oil, Non-Hazardous Incident
Inc Tank:	Underground Tank(s) Involved
Removal Flag:	False
UST Registered Flag:	True
MCD Value:	1080
Create Date:	12/07/2001
Create By:	SPILLS
Modify Date:	12/07/2001
Modify By:	SPILLS
Report Status:	Final Report
Actual Spill Datetime:	Not reported
Actual Spill Date Unknown:	True
Number Wells At Risk:	0
Number Wells Impacted:	Not reported
Dtree Completed Flag:	False
Further Response Action:	False
Reporter Type:	Subject/Spiller
Detection Method:	Tank and/or Piping Removal
Inc Location:	Residential - Single Family
Inc Source:	Not reported
Material Disposal Info:	Not reported
Lust Document Search:	https://fortisport.maine.gov/fortisportal/dddisplayqueryprompts.aspx?Database=OfficeDocs&Query=DEP_Spills&QuerySet=Portal_Queries&User=Portal.DEP&Password=DEPPortal1

Change:

Description:	Report Created with Report Status = FR
Date Change:	12/07/2001
Changed By:	SPILLS

Contact:

Contact Type:	Subject/Spiller
Potential RP:	False
Name:	LUCIEN POMEROY;
Title:	Not reported
Company:	Not reported
Address:	RR1; BOX 981
City,State:	LIVERMORE FALLS,ME
Country:	Not reported
Zipcode:	04254
Phone/Ext:	/
Comments:	Not reported

Primary Employee:

Primary Employee:	True
Name:	MARY CORR

File:

Spill Id:	A-225-1995
Date Created:	12/18/2008
Created By:	IMAGING
Date Modified:	12/18/2008

POMEROY; LUCIEN (Continued) **S106788311**

Modified By:	IMAGING
File Num Sheets:	0
Notes:	Report scanned into the imaging system on 18-DEC-08.
Reconcile Date:	Not reported
File Reconciled By:	Not reported

Media Affected:

Medium:	Groundwater

Log:

Spill Void Flag:	False
Spill Office:	Augusta
Spill Off Sequence:	225
Spill Year:	1995
Create Date:	12/07/2001
Created By:	SPILLS
Modify Date:	12/07/2001
Modify By:	SPILLS
Log Spill Type:	Non-Oil, Non-Hazardous Incident
Log Spill Datetime:	Not reported
Spill Time Unk:	True
Spill Dt Unknown:	True
Log Rep Dt Tm:	05/31/1995
Log Rep Prod Cd:	02
Log Rep Prod:	#2 FUEL OIL
Log Emp Name:	MARY CORR
Location:	Not reported
Log Location Town:	LIVERMORE FALLS
Log Tank Involved:	Underground Tank(s) Involved
Notes:	Not reported

Material Recovered:

Material Recovered Type:	Not reported
Material Recovered:	Not reported
Material Amount:	Not reported
Material Units:	Not reported
Material Amt Qualifier:	Not reported
Recovery Method:	Not reported

Spill Point:

Create Date:	9/10/2008
Created By:	EICHALST
Modify Date:	7/15/2009
Modify By:	EICHALST
Point Type Code:	ASP
UTM North:	4924393.7800000003
UTM East:	407915.34999999998
GPS Unit:	TANKS
GPS Date:	Not reported
GPS Time:	Not reported
GIS Feature Class:	Response_Spill_Points
GIS Object Id:	13836
GIS Sync Flag:	True

POMEROY; LUCIEN (Continued) **S106788311**

Product:
- Product Code: NONE
- Product Other: Not reported
- Product Amt: 0
- Product Amt Unit: gals.
- Product Amt Qualifier: ACTUAL
- Primary Product: False

Event:
- Name: POMEROY; LUCIEN
- Address: RR1; BOX 981; ROUTE 17
- City,State,Zip: LIVERMORE FALLS, ME
- Spill Number: A-225-1995
- Spill Cause: Accident - Human Error
- Spill Type: Non-Oil, Non-Hazardous Incident
- Inc Tank: Underground Tank(s) Involved
- Removal Flag: False
- UST Registered Flag: True
- MCD Value: 1080
- Create Date: 12/07/2001
- Create By: SPILLS
- Modify Date: 12/07/2001
- Modify By: SPILLS
- Report Status: Final Report
- Actual Spill Datetime: Not reported
- Actual Spill Date Unknown: True
- Number Wells At Risk: 0
- Number Wells Impacted: Not reported
- Dtree Completed Flag: False
- Further Response Action: False
- Reporter Type: Subject/Spiller
- Detection Method: Tank and/or Piping Removal
- Inc Location: Residential - Single Family
- Inc Source: Not reported
- Material Disposal Info: Not reported
- Lust Document Search: https://fortisport.maine.gov/fortisportal/dddisplayqueryprompts.aspx?Database=OfficeDocs&Query=DEP_Spills&QuerySet=Portal_Queries&User=Portal.DEP&Password=DEPPortal1

Change:
- Description: Report Created with Report Status = FR
- Date Change: 12/07/2001
- Changed By: SPILLS

Contact:
- Contact Type: Subject/Spiller
- Potential RP: False
- Name: LUCIEN POMEROY;
- Title: Not reported
- Company: Not reported
- Address: RR1; BOX 981
- City,State: LIVERMORE FALLS,ME
- Country: Not reported
- Zipcode: 04254
- Phone/Ext: /

POMEROY; LUCIEN (Continued) **S106788311**

Comments: Not reported

Primary Employee:
Primary Employee: True
Name: MARY CORR

File:
Spill Id: A-225-1995
Date Created: 12/18/2008
Created By: IMAGING
Date Modified: 12/18/2008
Modified By: IMAGING
File Num Sheets: 0
Notes: Report scanned into the imaging system on 18-DEC-08.
Reconcile Date: Not reported
File Reconciled By: Not reported

Media Affected:
Medium: Groundwater

Log:
Spill Void Flag: False
Spill Office: Augusta
Spill Off Sequence: 225
Spill Year: 1995
Create Date: 12/07/2001
Created By: SPILLS
Modify Date: 12/07/2001
Modify By: SPILLS
Log Spill Type: Non-Oil, Non-Hazardous Incident
Log Spill Datetime: Not reported
Spill Time Unk: True
Spill Dt Unknown: True
Log Rep Dt Tm: 05/31/1995
Log Rep Prod Cd: 02
Log Rep Prod: #2 FUEL OIL
Log Emp Name: MARY CORR
Location: Not reported
Log Location Town: LIVERMORE FALLS
Log Tank Involved: Underground Tank(s) Involved
Notes: Not reported

Material Recovered:
Material Recovered Type: Not reported
Material Recovered: Not reported
Material Amount: Not reported
Material Units: Not reported
Material Amt Qualifier: Not reported

Recovery Method: Not reported

Spill Point:
Create Date: 9/10/2008
Created By: EICHALST

POMEROY; LUCIEN (Continued) **S106788311**

Modify Date:	7/15/2009
Modify By:	EICHALST
Point Type Code:	ASP
UTM North:	4924393.7800000003
UTM East:	407915.34999999998
GPS Unit:	TANKS
GPS Date:	Not reported
GPS Time:	Not reported
GIS Feature Class:	Response_Spill_Points
GIS Object Id:	13836
GIS Sync Flag:	True

Product:

Product Code:	NONE
Product Other:	Not reported
Product Amt:	0
Product Amt Unit:	gals.
Product Amt Qualifier:	ACTUAL
Primary Product:	False

Event:

Name:	POMEROY; LUCIEN
Address:	RR1; BOX 981; ROUTE 17
City,State,Zip:	LIVERMORE FALLS, ME
Spill Number:	A-225-1995
Spill Cause:	Accident - Human Error
Spill Type:	Non-Oil, Non-Hazardous Incident
Inc Tank:	Underground Tank(s) Involved
Removal Flag:	False
UST Registered Flag:	True
MCD Value:	1080
Create Date:	12/07/2001
Create By:	SPILLS
Modify Date:	12/07/2001
Modify By:	SPILLS
Report Status:	Final Report
Actual Spill Datetime:	Not reported
Actual Spill Date Unknown:	True
Number Wells At Risk:	0
Number Wells Impacted:	Not reported
Dtree Completed Flag:	False
Further Response Action:	False
Reporter Type:	Subject/Spiller
Detection Method:	Tank and/or Piping Removal
Inc Location:	Residential - Single Family
Inc Source:	Not reported
Material Disposal Info:	Not reported
Lust Document Search:	https://fortisport.maine.gov/fortisportal/dddisplayqueryprompts.aspx?Database=OfficeDocs&Query=DEP_Spills&QuerySet=Portal_Queries&User=Portal.DEP&Password=DEPPortal1

Change:

Description:	Report Created with Report Status = FR
Date Change:	12/07/2001
Changed By:	SPILLS

POMEROY; LUCIEN (Continued) **S106788311**

Contact:
- Contact Type: Subject/Spiller
- Potential RP: False
- Name: LUCIEN POMEROY;
- Title: Not reported
- Company: Not reported
- Address: RR1; BOX 981
- City,State: LIVERMORE FALLS,ME
- Country: Not reported
- Zipcode: 04254
- Phone/Ext: /
- Comments: Not reported

Primary Employee:
- Primary Employee: True
- Name: MARY CORR

File:
- Spill Id: A-225-1995
- Date Created: 12/18/2008
- Created By: IMAGING
- Date Modified: 12/18/2008
- Modified By: IMAGING
- File Num Sheets: 0
- Notes: Report scanned into the imaging system on 18-DEC-08.
- Reconcile Date: Not reported
- File Reconciled By: Not reported

Media Affected:
- Medium: Groundwater

Log:
- Spill Void Flag: False
- Spill Office: Augusta
- Spill Off Sequence: 225
- Spill Year: 1995
- Create Date: 12/07/2001
- Created By: SPILLS
- Modify Date: 12/07/2001
- Modify By: SPILLS
- Log Spill Type: Non-Oil, Non-Hazardous Incident
- Log Spill Datetime: Not reported
- Spill Time Unk: True
- Spill Dt Unknown: True
- Log Rep Dt Tm: 05/31/1995
- Log Rep Prod Cd: 02
- Log Rep Prod: #2 FUEL OIL
- Log Emp Name: MARY CORR
- Location: Not reported
- Log Location Town: LIVERMORE FALLS
- Log Tank Involved: Underground Tank(s) Involved
- Notes: Not reported

Material Recovered:

POMEROY; LUCIEN (Continued) **S106788311**

Material Recovered Type: Not reported
Material Recovered: Not reported
Material Amount: Not reported
Material Units: Not reported
Material Amt Qualifier: Not reported

Recovery Method: Not reported

Spill Point:
Create Date: 9/10/2008
Created By: EICHALST
Modify Date: 7/15/2009
Modify By: EICHALST
Point Type Code: ASP
UTM North: 4924393.7800000003
UTM East: 407915.34999999998
GPS Unit: TANKS
GPS Date: Not reported
GPS Time: Not reported
GIS Feature Class: Response_Spill_Points
GIS Object Id: 13836
GIS Sync Flag: True

Product:
Product Code: NONE
Product Other: Not reported
Product Amt: 0
Product Amt Unit: gals.
Product Amt Qualifier: ACTUAL
Primary Product: False

A4 **RICK WEBSTER** **LAST** **S113450701**
SSE **249 FAYETTE ROAD, LOT 3** **N/A**
1/4-1/2 **LIVERMORE FALLS, ME**
0.373 mi.
1968 ft. **Site 3 of 3 in cluster A**

Relative: Lower

Actual: 379 ft.

LAST:

Event:
Name: RICK WEBSTER
Address: 249 FAYETTE ROAD, LOT 3
City,State,Zip: LIVERMORE FALLS, ME
Spill Number: A-135-2012
Inc Tank Code: A
Inc Tank: Above Ground Tank(s) Involved
Removal Flag: False
UST registered flag: False
AST inside flag: False
Create Date: 03/12/2012
Create By: EIJFISH
Modify Date: 04/10/2013
Modify By: 04/10/2013
Report Status Code: FR
Report Status: Final Report
Spill Datetime: 03/04/2012

RICK WEBSTER (Continued) **S113450701**

Spill Date Unknown:	False
Spill Time Unknown:	False
Number of wells at risk:	0
Number of wells impacted:	0
DTREE completed flag:	False
MCD Value:	1080
Further response action:	False
Spill Type Code:	O
Spill Type:	Oil Incident
Reporter Type Code:	4
Reporter Type:	Public Official
Detection Method Code:	L
Detection Method:	Visual Product
Inc Location Code:	SF
Inc Location:	Residential - Single Family
Inc Source Code:	TA
Inc Source:	Storage Unit - Aboveground Storage Tank
Spill Cause Code:	01
Spill Cause:	Corrosion - Tank
Material Disposal Info:	Oil contaminated debris, snow, ice, and sorbent material removed and disposed of by Environmental Projects Inc. Oil contaminated soils removed and brouhg back to the DEP Central MAine Warehouse for future disposal.
Last Document Search:	https://fortisport.maine.gov/fortisportal/dddisplayqueryprompts.aspx?Database=OfficeDocs&Query=DEP_Spills&QuerySet=Portal_Queries&User=Portal.DEP&Password=DEPPortal1

Change:

Description:	Report Status change from DR to DRV
Date Change:	08/09/2012
Changed By:	EIJFISH
Description:	Report Status change from DRV to FR
Date Change:	04/10/2013
Changed By:	EIJWOODA
Description:	Report Created with Report Status = DR
Date Change:	03/12/2012
Changed By:	EIJFISH

Contact:

Contact Type:	Other Contact
Potential RP:	False
Name:	DALE AND APRIL LEONARD
Title:	Not reported
Company:	Not reported
Address:	249 FAYETTE ROAD LOT #3
City,State:	LIVERMORE FALLS,ME
Country:	USA
Zipcode:	04254
Phone/Ext:	/
Comments:	Not reported
Contact Type:	Subject/Spiller
Potential RP:	True
Name:	RICK WEBSTER
Title:	Not reported

RICK WEBSTER (Continued) **S113450701**

Company:	Not reported
Address:	249 FAYETTE ROAD
City,State:	LIVERMORE FALLS,ME
Country:	USA
Zipcode:	04254
Phone/Ext:	/
Comments:	Not reported

Contact Type:	Other Contact
Potential RP:	False
Name:	Not reported
Title:	Not reported
Company:	ENVIRONMENTAL PROJECTS INC - EPI
Address:	PO BOX 1417 664 WASHINGTON ST. NORTH
City,State:	AUBURN,ME
Country:	USA
Zipcode:	04210
Phone/Ext:	/
Comments:	Not reported

Primary Employee:

Primary Employee:	True
Name:	JASON A FISH

Primary Employee:	False
Name:	PETER J BLANCHARD

Media Affected:

Medium:	Land

Log:

Spill Void Flag:	False
Spill Office:	Augusta
Spill Off Sequence:	135
Spill Year:	2012
Create Date:	03/12/2012
Created By:	EIJFISH
Modify Date:	03/12/2012
Modify By:	EIJFISH
Log Spill Type:	Oil Incident
Log Spill Datetime:	Not reported
Spill Time Unk:	True
Spill Dt Unknown:	True
Log Rep Dt Tm:	03/05/2012
Log Rep Prod Cd:	01
Log Rep Prod:	#1 FUEL OIL - KEROSENE
Log Emp Name:	JASON A FISH
Location:	249 Fayette Road Lot #3
Log Location Town:	LIVERMORE FALLS
Log Tank Involved:	Above Ground Tank(s) Involved
Notes:	100-150 gallons to the ground from corrosion hole in AST.

Material Recovered:

Material Recovered Type:	OM
Material Recovered:	Other Material

RICK WEBSTER (Continued) **S113450701**

Material Amount: 240
Material Units: lbs.
Material Amt Qualifier: ESTIMATE

Material Recovered Type: MM
Material Recovered: Mixed Liquid Media
Material Amount: 25
Material Units: gals.
Material Amt Qualifier: ESTIMATE

Material Recovered Type: CS
Material Recovered: Contaminated Soil
Material Amount: .25
Material Units: cu. yds.
Material Amt Qualifier: ESTIMATE

Spill Point:
Create Date: 3/13/2012
Created By: EICHALST
Modify Date: 3/13/2012
Modify By: EICHALST
Point Type Code: ASP
UTM North: 4924304
UTM East: 407969.22999999998
GPS Unit: DIGITIZED
GPS Date: Not reported
GPS Time: Not reported
GIS Feature Class: Response_Spill_Points
GIS Object Id: 52769
GIS Sync Flag: True

Recovery Method: Excavation

Recovery Method: Sorbents

Product:
Product Code: #1 FUEL OIL - KEROSENE
Product Other: Not reported
Product Amt: 120
Product Amt Unit: gals.
Product Amt Qualifier: ESTIMATE
Primary Product: True

Attachments:
Description: Expense Tracking
Attach Type: Electronic Form
File Name: Not reported
File Code: Not reported
File Size: Not reported
File Modify Date: 03/27/2012

5
SSE
1/4-1/2
0.458 mi.
2420 ft.

PEARLE HINKLEY
285 FAYETTE RD
LIVERMORE FALLS, ME

LAST **S106182637**
N/A

Relative:
Lower

Actual:
379 ft.

LAST:

Event:

Name:	PEARLE HINKLEY
Address:	285 FAYETTE RD
City,State,Zip:	LIVERMORE FALLS, ME
Spill Number:	A-704-2002
Inc Tank Code:	A
Inc Tank:	Above Ground Tank(s) Involved
Removal Flag:	False
UST registered flag:	False
AST inside flag:	False
Create Date:	01/14/2003
Create By:	EIPBLANC
Modify Date:	02/05/2004
Modify By:	02/05/2004
Report Status Code:	FR
Report Status:	Final Report
Spill Datetime:	Not reported
Spill Date Unknown:	True
Spill Time Unknown:	True
Number of wells at risk:	0
Number of wells impacted:	0
DTREE completed flag:	False
MCD Value:	1080
Further response action:	False
Spill Type Code:	O
Spill Type:	Oil Incident
Reporter Type Code:	3
Reporter Type:	Citizen Complaint
Detection Method Code:	H
Detection Method:	Odor/Vapor/Mist
Inc Location Code:	SF
Inc Location:	Residential - Single Family
Inc Source Code:	SM
Inc Source:	Equipment - Light
Spill Cause Code:	22
Spill Cause:	Mechanical Failure - Gasket/Seal
Material Disposal Info:	Debris disposed of by burner tech.
Last Document Search:	https://fortisport.maine.gov/fortisportal/dddisplayqueryprompts.aspx?Database=OfficeDocs&Query=DEP_Spills&QuerySet=Portal_Queries&User=Portal.DEP&Password=DEPPortal1

Change:

Description:	Report Created with Report Status = DR
Date Change:	01/14/2003
Changed By:	EIPBLANC
Description:	Report Status change from DR to DRV
Date Change:	10/01/2003
Changed By:	EIDDAVIS
Description:	Report Status change from DRV to DQA
Date Change:	11/13/2003

PEARLE HINKLEY (Continued) **S106182637**

Changed By: EIPBLANC

Description: Report Status change from DQA to P
Date Change: 12/16/2003
Changed By: EITGALLA

Description: Report Status change from P to FR
Date Change: 02/05/2004
Changed By: EITGALLA

Contact:
Contact Type: Subject/Spiller
Potential RP: True
Name: PEARLE I HINKLEY
Title: Not reported
Company: Not reported
Address: 285 FAYETTE RD
City,State: LIVERMORE FALLS,ME
Country: USA
Zipcode: 04254
Phone/Ext: /
Comments: Not reported

Primary Employee:
Primary Employee: True
Name: DANIEL E DAVIS

File:
Spill Id: A-704-2002
Date Created: 02/12/2004
Created By: EIPLAMBE
Date Modified: 07/30/2009
Modified By: IMAGING
File Num Sheets: 0
Notes: Report scanned into the imaging system on 30-JUL-09.
Reconcile Date: 02/12/2004
File Reconciled By: Not reported

Media Affected:
Medium: Land

Log:
Spill Void Flag: False
Spill Office: Augusta
Spill Off Sequence: 704
Spill Year: 2002
Create Date: 12/06/2002
Created By: EIMBARTO
Modify Date: 01/15/2003
Modify By: EIPBLANC
Log Spill Type: Oil Incident
Log Spill Datetime: Not reported
Spill Time Unk: True
Spill Dt Unknown: True
Log Rep Dt Tm: 12/03/2002

PEARLE HINKLEY (Continued) **S106182637**

Log Rep Prod Cd:	01
Log Rep Prod:	#1 FUEL OIL - KEROSENE
Log Emp Name:	DANIEL E DAVIS
Location:	Rt 17 Pellitier residence
Log Location Town:	LIVERMORE FALLS
Log Tank Involved:	Above Ground Tank(s) Involved
Notes:	furnace leak

Material Recovered:

Material Recovered Type:	OM
Material Recovered:	Other Material
Material Amount:	50
Material Units:	lbs.
Material Amt Qualifier:	ESTIMATE

Spill Point:

Create Date:	2/7/2008
Created By:	EICHALST
Modify Date:	7/15/2009
Modify By:	EICHALST
Point Type Code:	ASP
UTM North:	4924189.7999999998
UTM East:	408205.38
GPS Unit:	EGAD
GPS Date:	Not reported
GPS Time:	Not reported
GIS Feature Class:	Response_Spill_Points
GIS Object Id:	6430
GIS Sync Flag:	True

Recovery Method:	Other

Product:

Product Code:	#1 FUEL OIL - KEROSENE
Product Other:	Not reported
Product Amt:	5
Product Amt Unit:	gals.
Product Amt Qualifier:	ESTIMATE
Primary Product:	True

Attachments:

Description:	Expense Tracking
Attach Type:	Electronic Form
File Name:	Not reported
File Code:	Not reported
File Size:	Not reported
File Modify Date:	04/14/2003

Description:	Referral to PATRICIA A LOCKLIN
Attach Type:	Electronic Form
File Name:	Not reported
File Code:	Not reported
File Size:	Not reported
File Modify Date:	10/13/2003

Count: 2 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LIVERMORE FALLS	S105111911	RODNEY LAKE RESIDENCE	BOX 515 MOOSE HILL ROAD		LAST
LIVERMORE FALLS	S105001574	GARY ROLAND RESIDENCE	MOOSE HILL ROAD		LAST

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

Federal NPL site list

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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

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

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

Federal Delisted NPL site list

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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

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: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/03/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal RCRA generators list

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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 08/13/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
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: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 14

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Remediation Sites List

Uncontrolled Sites locations included in the Remediation Sites List.

Date of Government Version: 07/16/2019
Date Data Arrived at EDR: 07/17/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 55

Source: Department of Environmental Protection
Telephone: 207-287-7688
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facility List

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: 05/17/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 31

Source: Department of Environmental Protection
Telephone: 207-287-2651
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

LCP: Municipal Landfill Closure Database

The Municipal Landfill Closure and Remediation Program was established in 1988 to assist nearly 400 municipalities with the closure of their unlicensed municipal solid waste landfills. Project managers in this program have conducted site investigations and provided technical engineering assistance to aid municipalities in this process. Funding to accomplish this goal was provided by the state, utilizing several bonds that supported a 75% state cost sharing reimbursement process.

Date of Government Version: 11/14/2011
Date Data Arrived at EDR: 11/15/2011
Date Made Active in Reports: 11/30/2011
Number of Days to Update: 15

Source: Department of Environmental Protection
Telephone: 207-287-8552
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: No Update Planned

State and tribal leaking storage tank lists

LAST: HOSS Database

A listing of leaking aboveground storage tanks.

Date of Government Version: 07/27/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 08/07/2019
Number of Days to Update: 7

Source: Department of Environmental Protection
Telephone: 207-287-2651
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

LUST: Hazardous Material and Oil Spill System Database (H.O.S.S.)
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: 07/27/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 08/07/2019
Number of Days to Update: 7
Source: Department of Environmental Protection
Telephone: 207-287-2651
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

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: 10/12/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/13/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/23/2019
Next Scheduled EDR Contact: 11/04/2019
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: 11/01/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

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

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

State and tribal registered storage tank lists

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

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

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

Date of Government Version: 05/06/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 38

Source: Department of Environmental Protection
Telephone: 207-287-2651
Last EDR Contact: 08/13/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Quarterly

AST: Aboveground Storage Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 09/14/2018
Date Made Active in Reports: 10/31/2018
Number of Days to Update: 47

Source: Maine Emergency Management Agency
Telephone: 207-626-4503
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

AST 2: Registered Petroeum Tanks Database
Aboveground storage tank site locations registered with the Bureau of Remediation and Waste Management.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 71

Source: Department of Environmental Protection
Telephone: 207-287-2651
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

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: 10/03/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

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: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/23/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/12/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/05/2019
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: 11/01/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Remediation Sites List

Sites with Institutional Controls in place included in the Remediation Sites List. Institutional Controls are legally enforceable site use restrictions recorded on the property deed and therefore operate in perpetuity regardless of change in site ownership.

Date of Government Version: 07/16/2019
Date Data Arrived at EDR: 07/17/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 55

Source: Department of Environmental Protection
Telephone: 207-287-7688
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Semi-Annually

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

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

VCP: Remediation Sites List

Voluntary Response Action Program sites included in the Remediation Sites List. VRAP promotes the investigation, remediation and redevelopment of contaminated properties by offering liability assurances/protections from state enforcement actions for applicants to the program.

Date of Government Version: 07/16/2019
Date Data Arrived at EDR: 07/17/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 55

Source: Department of Environmental Protection
Telephone: 207-287-7688
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

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

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Remediation Sites List

Brownfields site locations included in the Remediation Sites List. 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".

Date of Government Version: 07/16/2019
Date Data Arrived at EDR: 07/17/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 55

Source: Department of Environmental Protection
Telephone: 207-287-7688
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facilities

A listing of municial colletcion sites for electronic waste and mercury-added products.

Date of Government Version: 07/15/2019
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 09/16/2019
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 207-287-2651
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
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: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
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: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: No Update Planned

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

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/02/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

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

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

ALLSITES: Remediation Sites List
The Sites List Database is the public record of information regarding properties that have been, are now, or are planned to be addressed by the Division of Remediation of the Bureau of Remediation and Waste Management. This database is not intended to be a comprehensive, all-inclusive source of information regarding the properties listed therein.

Date of Government Version: 07/16/2019
Date Data Arrived at EDR: 07/17/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 55
Source: Department of Environmental Protection
Telephone: 207-287-7688
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Quarterly

DEL HWS: Sites Removed from the Uncontrolled Sites List
Sites are removed from the List once it is determined that they are not "worthy of listing". This term is used as there are a number of reasons to remove a site from the List, including: no file exists, the site was reported as an oil spill, there is no evidence of a hazardous substance release or based on an investigation the site is referred to another program unrelated to hazardous substance or hazardous waste. Sites are removed on a case by case basis. The USP intends this to be an on-going process, as time and resources allow.

Date of Government Version: 07/16/2019
Date Data Arrived at EDR: 07/17/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 55
Source: Department of Environmental Protection
Telephone: 207-287-7688
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Semi-Annually

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: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid, respectively. Both are fluorinated organic chemicals, part of a larger family of compounds referred to as perfluoroalkyl substances (PFASs).

Date of Government Version: 03/27/2019
Date Data Arrived at EDR: 04/02/2019
Date Made Active in Reports: 05/07/2019
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 207-287-4305
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
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: 06/12/2019
Date Data Arrived at EDR: 06/14/2019
Date Made Active in Reports: 08/29/2019
Number of Days to Update: 76

Source: Department of Environmental Protection
Telephone: 207-287-2651
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

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: 07/30/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
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: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 89

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

SPILLS: Hazardous Material and Oil Spill System Database

The database contains surface, groundwater and hazardous material spills.

Date of Government Version: 07/27/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 08/07/2019
Number of Days to Update: 7

Source: Department of Environmental Protection
Telephone: 207-287-2651
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

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

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 22

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

SPILLS 80: SPILLS80 data from FirstSearch

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

Date of Government Version: 06/07/2001
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

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

Other Ascertainable Records

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

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

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
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: 05/15/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
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: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

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: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
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
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

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

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

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

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/09/2019
Next Scheduled EDR Contact: 11/18/2019
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
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
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: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 09/30/2018
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 106

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/04/2019
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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 12/16/2019
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: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 09/05/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 18

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 03/20/2019
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

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

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 07/03/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Quarterly

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

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

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

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

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

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

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

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

MLTS: Material Licensing Tracking System

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

Date of Government Version: 06/20/2019
Date Data Arrived at EDR: 06/20/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 49

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 11/04/2019
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: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/06/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

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: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/03/2019
Next Scheduled EDR Contact: 12/16/2019
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: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/09/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

Date of Government Version: 04/01/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 100

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
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: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 30

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
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: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
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: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
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: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 11/18/2019
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: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

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

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

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

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

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

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

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

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

US MINES: Mines Master Index File

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

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 71

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

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: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
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: 03/27/2019
Date Data Arrived at EDR: 03/28/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 34

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/10/2019
Next Scheduled EDR Contact: 12/23/2019
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: 05/03/2019
Date Data Arrived at EDR: 06/05/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 90

Source: EPA
Telephone: (617) 918-1111
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 04/07/2019
Date Data Arrived at EDR: 04/09/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Quarterly

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

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
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: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

AIRS: Emissions Inventory Data
Point Source Criteria Pollutant Emissions Inventory data. Criteria air pollutant emissions, expressed in tons, by facility and pollutant.

Date of Government Version: 07/03/2019
Date Data Arrived at EDR: 07/03/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 69
Source: Department of Environmental Protection
Telephone: 207-287-7036
Last EDR Contact: 09/13/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

DRYCLEANERS: Drycleaner Facilities
A listing of drycleaning facilities that use perchloroethylene.

Date of Government Version: 01/14/2019
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 03/14/2019
Number of Days to Update: 56
Source: Department of Environmental Protection
Telephone: 207-287-7030
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

MANIFEST: Hazardous Waste Manifest Information Listing
Hazaroudous waste manifest information

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 06/14/2019
Date Made Active in Reports: 08/29/2019
Number of Days to Update: 76
Source: Department of Environmental Protection
Telephone: 207-287-7882
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

NPDES: Wastewater Facilities Listing
A listing of wastewater facility locations.

Date of Government Version: 03/28/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 74
Source: Department of Environmental Protection
Telephone: 207-287-3901
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing
A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 09/14/2018
Date Made Active in Reports: 10/12/2018
Number of Days to Update: 28
Source: Maine Emergency Management Agency
Telephone: 207-624-4441
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

UIC: Underground Injection Control
An injection well is any bored, drilled or driven shaft, or dug hole whose depth is greater than its largest surface dimension; an improved sinkhole; or a subsurface distribution system used to discharge fluids underground. These wells range from deep, highly technical, and more frequently monitored wells to shallow on-site drainage systems, such as septic systems, cesspools, and storm water drainage wells.

Date of Government Version: 05/10/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 38

Source: Department of Environmental Protection
Telephone: 207-791-8110
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

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

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

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

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

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

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Protection in Maine.

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 Protection
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 Protection in Maine.

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 Protection
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 Protection in Maine.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Protection
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: 05/14/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 83

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

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

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
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: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/11/2019
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: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/25/2019
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
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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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 Listing
Source: Department of Human Services
Telephone: 207-287-5060

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 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: MEGIS
Telephone: 207-287-6144

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SOUTHER ROAD
SOUTHER ROAD
LIVERMORE FALLS, ME 04254

TARGET PROPERTY COORDINATES

Latitude (North):	44.473693 - 44° 28' 25.29''
Longitude (West):	70.16109 - 70° 9' 39.92''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	407651.7
UTM Y (Meters):	4924926.0
Elevation:	389 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6700160 LIVERMORE FALLS, ME
Version Date:	2014

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).

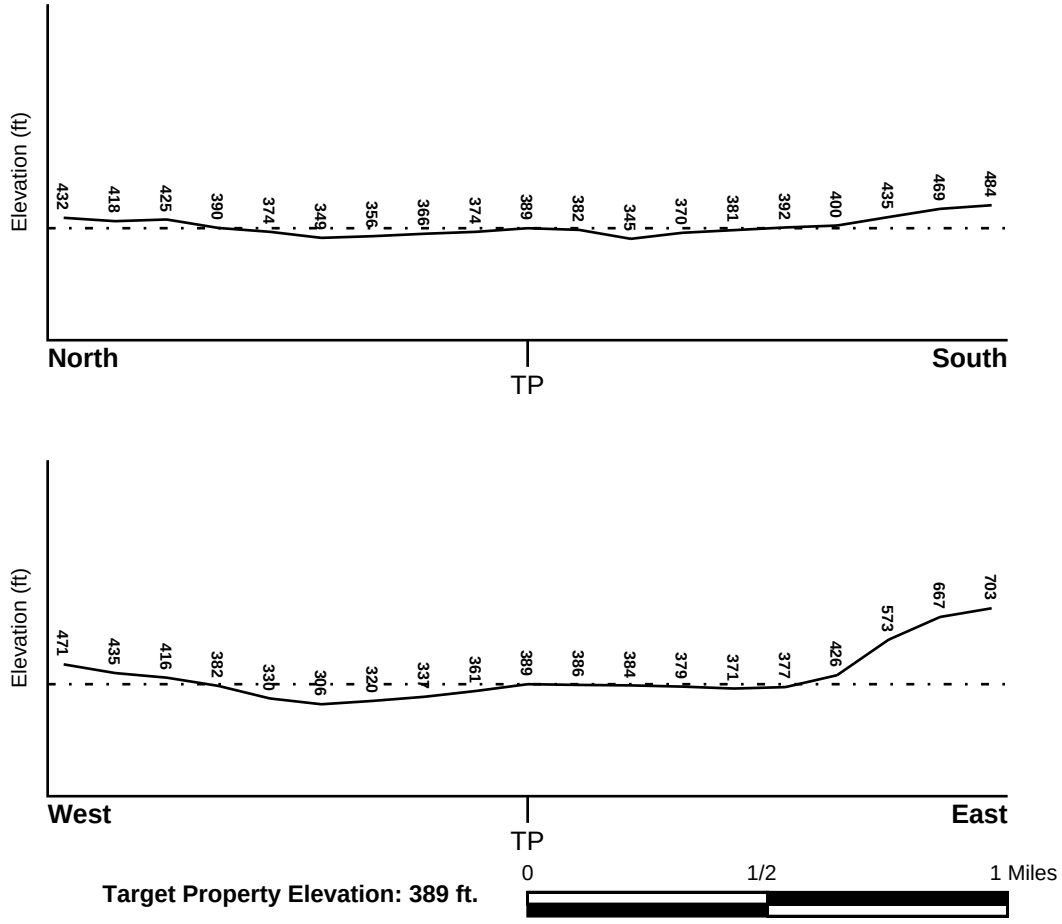
TOPOGRAPHIC INFORMATION

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 SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 389 ft.

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
23001C0031E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
23001C0032E	FEMA FIRM Flood data
23001C0033E	FEMA FIRM Flood data
23001C0034E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LIVERMORE FALLS	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

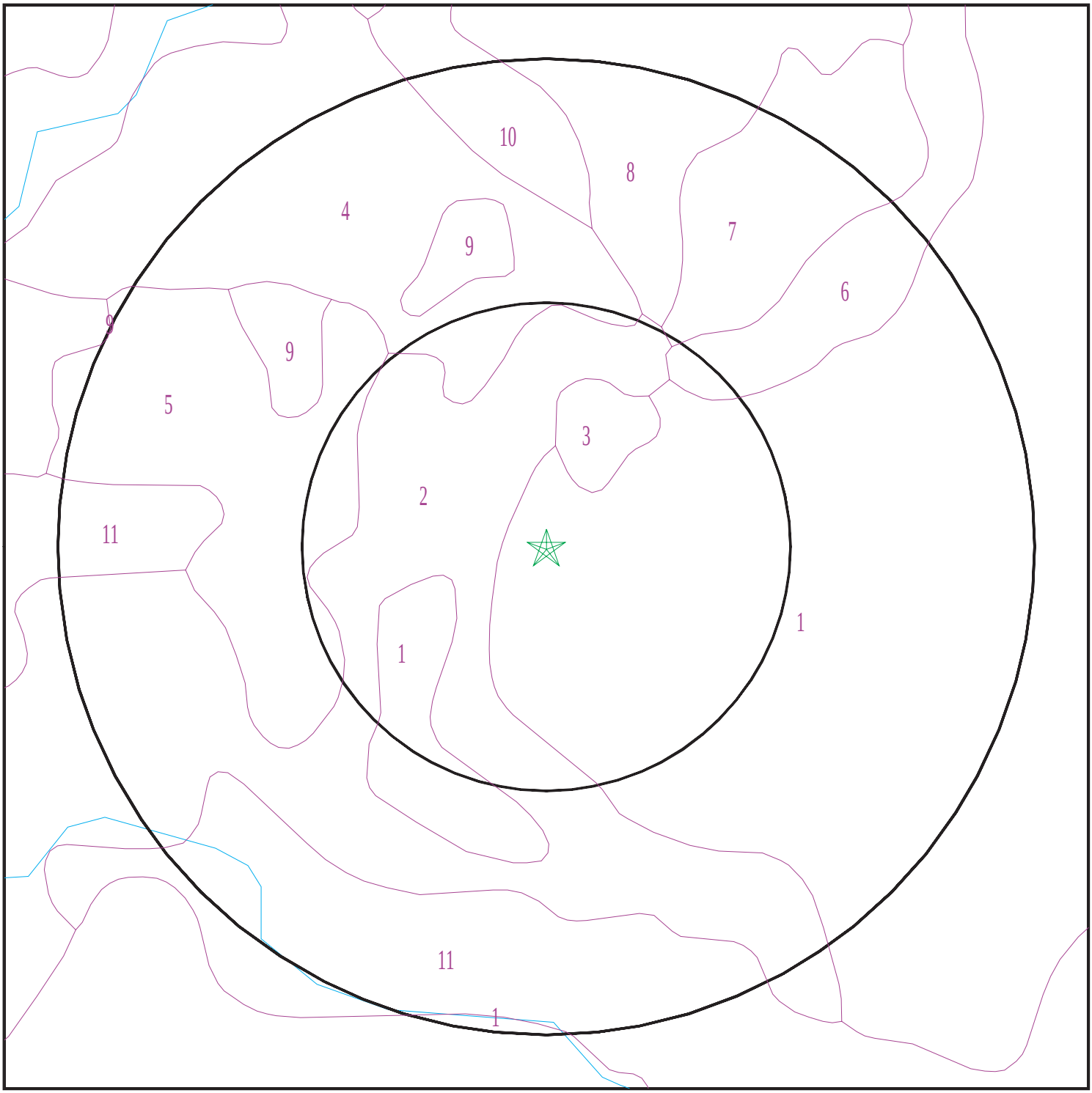
Era:	Paleozoic
System:	Silurian
Series:	Silurian
Code:	Se *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposit

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 - 5803726.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Souther Road	CLIENT:	Sevee & Maher Engineers, Inc.
ADDRESS:	Souther Road Livermore Falls ME 04254	CONTACT:	Laura Devaudreuil
LAT/LONG:	44.473693 / 70.16109	INQUIRY #:	5803726.2s
		DATE:	September 25, 2019 10:37 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: MERRIMAC

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: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.8 Min: 4.5
2	9 inches	22 inches	gravelly fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.8 Min: 4.5

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	22 inches	27 inches	very gravelly loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.8 Min: 4.5
4	27 inches	48 inches	sr to extremely gravelly coarse sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.8 Min: 4.5

Soil Map ID: 2

Soil Component Name: MERRIMAC

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: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.8 Min: 4.5
2	5 inches	18 inches	gravelly fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.8 Min: 4.5
3	18 inches	24 inches	very gravelly loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.8 Min: 4.5
4	24 inches	48 inches	sr to extremely gravelly coarse sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.8 Min: 4.5

Soil Map ID: 3

Soil Component Name: NINIGRET

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: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 6 Min: 4.5
2	7 inches	27 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: 141.14 Min: 42.34	Max: 6 Min: 4.5
3	27 inches	40 inches	loamy fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 6 Min: 4.5

Soil Map ID: 4

Soil Component Name: ELMWOOD

Soil Surface Texture: fine sandy loam

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

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0	Max: 7.3 Min: 6.1
2	9 inches	22 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0	Max: 7.3 Min: 6.1
3	22 inches	40 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0	Max: 7.3 Min: 6.1

Soil Map ID: 5

Soil Component Name: MELROSE

Soil Surface Texture: fine sandy loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 5.1
2	9 inches	24 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 5.1
3	24 inches	42 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 5.1

Soil Map ID: 6

Soil Component Name: SWANTON

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 23 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.41 Min: 0	Max: 8.4 Min: 5.6
2	7 inches	22 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.41 Min: 0	Max: 8.4 Min: 5.6
3	22 inches	48 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.41 Min: 0	Max: 8.4 Min: 5.6

Soil Map ID: 7

Soil Component Name: BELGRADE

Soil Surface Texture: very fine sandy loam

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

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.11 Min: 4.23	Max: 6.5 Min: 4.5
2	9 inches	16 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.11 Min: 4.23	Max: 6.5 Min: 4.5
3	16 inches	27 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.11 Min: 4.23	Max: 6.5 Min: 4.5
4	27 inches	40 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.11 Min: 4.23	Max: 6.5 Min: 4.5

Soil Map ID: 8

Soil Component Name: HARTLAND

Soil Surface Texture: very 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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 14.11 Min: 4.23	Max: 6.5 Min: 5.1
2	5 inches	11 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 14.11 Min: 4.23	Max: 6.5 Min: 5.1
3	11 inches	20 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 14.11 Min: 4.23	Max: 6.5 Min: 5.1
4	20 inches	44 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 14.11 Min: 4.23	Max: 6.5 Min: 5.1

Soil Map ID: 9

Soil Component Name: MELROSE

Soil Surface Texture: fine sandy loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 5.1
2	9 inches	24 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 5.1
3	24 inches	42 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 5.1

Soil Map ID: 10

Soil Component Name: ELMWOOD

Soil Surface Texture: fine sandy loam

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

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0	Max: 7.3 Min: 6.1
2	9 inches	20 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0	Max: 7.3 Min: 6.1
3	20 inches	40 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0	Max: 7.3 Min: 6.1

Soil Map ID: 11

Soil Component Name: MERRIMAC

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: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.8 Min: 4.5
2	5 inches	18 inches	gravelly fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.8 Min: 4.5
3	18 inches	24 inches	very gravelly loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.8 Min: 4.5
4	24 inches	48 inches	sr to extremely gravelly coarse sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.8 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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000422767	1/4 - 1/2 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

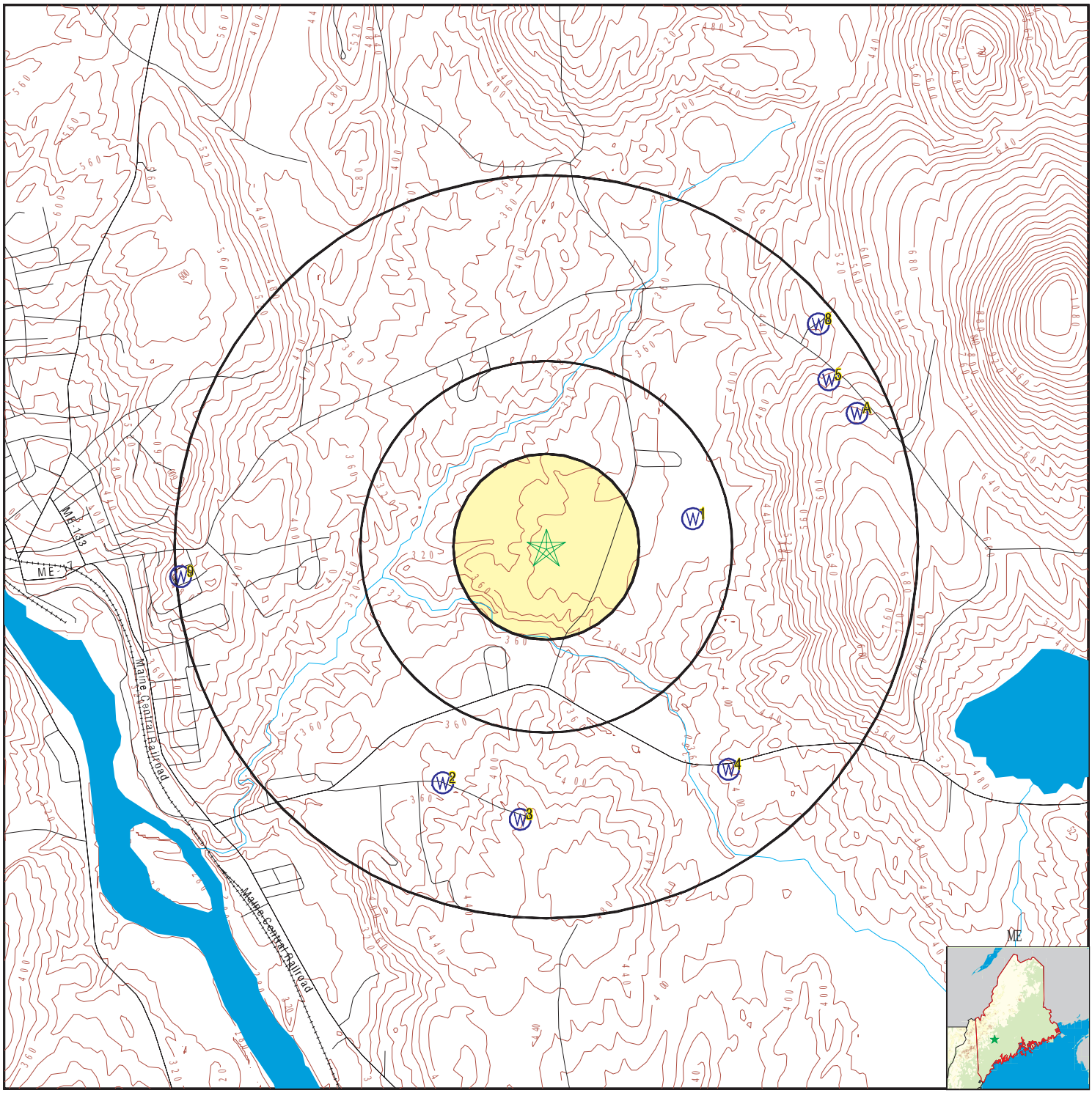
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	MEMGS1000044854	1/2 - 1 Mile SSW
3	MEMGS1000000022	1/2 - 1 Mile South
4	MEMGS1000060446	1/2 - 1 Mile SE
5	MEMGS1000001697	1/2 - 1 Mile ENE
A6	MEMGS1000000024	1/2 - 1 Mile ENE
A7	MEMGS1000000023	1/2 - 1 Mile ENE
8	MEMGS1000043345	1/2 - 1 Mile NE
9	MEMGS1000000028	1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 5803726.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location

SITE NAME:	Souther Road	CLIENT:	Sevee & Maher Engineers, Inc.
ADDRESS:	Souther Road Livermore Falls ME 04254	CONTACT:	Laura Devaudreuil
		INQUIRY #:	5803726.2s
LAT/LONG:	44.473693 / 70.16109	DATE:	September 25, 2019 10:37 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
East **FED USGS** **USGS40000422767**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-ME	Organization Name:	USGS Maine Water Science Center
Monitor Location:	ANW 1089	Type:	Well
Description:	OFR 80-412	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:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	38	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

2
SSW **ME WELLS** **MEMGS1000044854**
1/2 - 1 Mile
Lower

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	122902	Drill Date:	16-MAR-05
Drill Date Estimated:	Not Reported	Drilling Company:	GOODWIN WELL AND WATER, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	87	Overburden Thickness:	70
Well Depth:	300	Well Yield (GPM):	Not Reported
Yield Date:	03/16/2005	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	285
Vein Yield:	75	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

3
South **ME WELLS** **MEMGS1000000022**
1/2 - 1 Mile
Higher

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	23	Drill Date:	15-OCT-73
Drill Date Estimated:	Not Reported	Drilling Company:	GOODWIN WELL AND WATER, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	DRILLED	Flow Improved By:	Not Reported
Casing Length (ft):	94	Overburden Thickness:	0
Well Depth:	203	Well Yield (GPM):	Not Reported
Yield Date:	Not Reported	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	0
Vein Yield:	0	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

4
SE
1/2 - 1 Mile
Higher

ME WELLS **MEMGS1000060446**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	159839	Drill Date:	23-SEP-16
Drill Date Estimated:	N	Drilling Company:	AFFORDABLE WELL DRILLING
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	20	Overburden Thickness:	10
Well Depth:	505	Well Yield (GPM):	Not Reported
Yield Date:	09/23/2016	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	0
Vein Yield:	0	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Y
Geothermal Well:	Not Reported	Comments:	DUG WELL GONE DRY

5
ENE
1/2 - 1 Mile
Higher

ME WELLS **MEMGS1000001697**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	2559	Drill Date:	30-JUN-88
Drill Date Estimated:	Not Reported	Drilling Company:	GOODWIN WELL AND WATER, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	ROTARY DRILLED	Flow Improved By:	Not Reported
Casing Length (ft):	72	Overburden Thickness:	67
Well Depth:	232	Well Yield (GPM):	Not Reported
Yield Date:	06/30/1988	Static Water Level:	30
SWL Measured:	06/30/1988	Vein Depth:	95
Vein Yield:	1.5	Vein 2 Depth:	230
Vein 2 Yield:	1.5	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

A6
ENE
1/2 - 1 Mile
Higher

ME WELLS **MEMGS1000000024**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	25	Drill Date:	16-OCT-66
Drill Date Estimated:	Not Reported	Drilling Company:	GOODWIN WELL AND WATER, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	DRILLED	Flow Improved By:	Not Reported
Casing Length (ft):	80	Overburden Thickness:	0
Well Depth:	188	Well Yield (GPM):	Not Reported
Yield Date:	Not Reported	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	0
Vein Yield:	0	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0

Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	CONTRACTOR ?

A7
ENE **ME WELLS** **MEMGS1000000023**
1/2 - 1 Mile
Higher

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	24	Drill Date:	16-JUL-65
Drill Date Estimated:	Not Reported	Drilling Company:	GOODWIN WELL AND WATER, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	DRILLED	Flow Improved By:	Not Reported
Casing Length (ft):	51	Overburden Thickness:	0
Well Depth:	205	Well Yield (GPM):	Not Reported
Yield Date:	Not Reported	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	0
Vein Yield:	0	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	CONTRACTOR ?

8
NE **ME WELLS** **MEMGS1000043345**
1/2 - 1 Mile
Higher

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	118574	Drill Date:	07-AUG-04
Drill Date Estimated:	Not Reported	Drilling Company:	GOODWIN WELL AND WATER, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	22	Overburden Thickness:	16
Well Depth:	120	Well Yield (GPM):	Not Reported
Yield Date:	08/07/2004	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	26
Vein Yield:	5	Vein 2 Depth:	30
Vein 2 Yield:	2	Vein 3 Depth:	35
Vein 3 Yield:	13	Vein 4 Depth:	50
Vein 4 Yield:	5	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

9
West **ME WELLS** **MEMGS1000000028**
1/2 - 1 Mile
Higher

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	29	Drill Date:	28-JUN-75
Drill Date Estimated:	Not Reported	Drilling Company:	GOODWIN WELL AND WATER, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	DRILLED	Flow Improved By:	Not Reported
Casing Length (ft):	40	Overburden Thickness:	0
Well Depth:	218	Well Yield (GPM):	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield Date:	Not Reported	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	0
Vein Yield:	0	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: ME Radon

Radon Test Results

Zip	City	Floor	Results
04254	Livermore Falls	B	2.1
04254	Livermore Falls	B	2.1

Federal EPA Radon Zone for ANDROSCOGGIN County: 1

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 ANDROSCOGGIN COUNTY, ME

Number of sites tested: 43

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.400 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.556 pCi/L	74%	26%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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

State Wetlands Data: Wetland Inventory
Source: MEGIS
Telephone: 207-287-6144

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

Maine Geological Survey Water Well Database
Source: Maine Geological Survey
Telephone: 207-287-3200
Contains over 50,000 located wells is available for download. This file contains information on all wells in the database which could be geographically located. Data points have been located by GPS, by street address locations, and by using tax maps in combination with air photos so location accuracy varies. The database includes coordinates and descriptive information such as well yield, depth, overburden thickness, well use, and well type.

Public Water Supply Wells Database
Source: Department of Human Services, Drinking Water Program
Telephone: 207-287-6196
There are 3 types of public water systems in Maine: Transient Systems; Community Systems and Non-transient Non-community Systems.

OTHER STATE DATABASE INFORMATION

RADON

Maine Radon Test Results
Source: Department of Human Services
Telephone: 207-287-5698
The state of Maine Radiation Control Program's - Radon/Indor Air Quality Section's position on radon map, is that they should be used neither to predict the presence of high nor low values in any given geographic or geologic area. The only conclusion that should be drawn from this data is that radon in omnipresent in the soil gasses in the state of Maine, and therefore all residences and buildings that come in contact with the ground should be tested for radon.

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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

STREET AND ADDRESS INFORMATION

Southwest Harbor
47 Long Pond Rd
Southwest Harbor, ME 04679

Inquiry Number: 6140092.2s
July 30, 2020

The EDR Radius Map™ Report with GeoCheck®

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

TABLE OF CONTENTS

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

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), 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

47 LONG POND RD
SOUTHWEST HARBOR, ME 04679

COORDINATES

Latitude (North):	44.2955880 - 44° 17' 44.11''
Longitude (West):	68.3461100 - 68° 20' 45.99''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	552165.6
UTM Y (Meters):	4904695.5
Elevation:	152 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6699574 SOUTHWEST HARBOR, ME
Version Date:	2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150711
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
47 LONG POND RD
SOUTHWEST HARBOR, ME 04679

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	SOUTHWEST HARBOR TRA	47 LONG POND RD.	SWRCY		TP
A2	E M R INC	47 LONG POND RD	FINDS		TP
3	REED, ARTHUR L	LONG POND RD	UST	Lower	618, 0.117, NNW
4	WORCESTER ASSOCIATES	LONG POND ROAD	SEMS	Higher	688, 0.130, SE
5	WORCESTER ASSOCIATES	LONG POND ROAD	SHWS, ALLSITES	Lower	749, 0.142, SSW

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:

Site	Database(s)	EPA ID
SOUTHWEST HARBOR TRA 47 LONG POND RD. SOUTHWEST HARBOR, ME 04679	SWRCY	N/A
E M R INC 47 LONG POND RD SOUTHWEST HARBOR, ME 04679	FINDS Registry ID:: 110039664841	N/A

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

Federal NPL site list

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

Federal Delisted NPL site list

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

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

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

Federal RCRA non-CORRACTS TSD facilities list

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

EXECUTIVE SUMMARY

Federal RCRA generators list

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

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---- Solid Waste Facility List
LCP ---- Municipal Landfill Closure Database

State and tribal leaking storage tank lists

LAST ---- HOSS Database
LUST ---- Hazardous Material and Oil Spill System Database (H.O.S.S.)
INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---- Underground Storage Tank Listing
AST ---- Aboveground Storage Tanks
INDIAN UST ---- Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

INST CONTROL ---- Remediation Sites List

State and tribal voluntary cleanup sites

INDIAN VCP ---- Voluntary Cleanup Priority Listing
VCP ---- Remediation Sites List

State and tribal Brownfields sites

BROWNFIELDS ---- Remediation Sites List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

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

ODI	Open Dump Inventory
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS	Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL	Delisted National Clandestine Laboratory Register
DEL SHWS	Sites Removed from the Uncontrolled Sites List
US CDL	National Clandestine Laboratory Register
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	Hazardous Material and Oil Spill System Database
SPILLS 90	SPILLS 90 data from FirstSearch
SPILLS 80	SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites

US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
ECHO ---- Enforcement & Compliance History Information
UXO ---- Unexploded Ordnance Sites
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
FUELS PROGRAM ---- EPA Fuels Program Registered Listing
AIRS ---- Emissions Inventory Data
DRYCLEANERS ---- Drycleaner Facilities
MANIFEST ---- Hazardous Waste Manifest Information Listing
NPDES ---- Wastewater Facilities Listing
TIER 2 ---- Tier 2 Information Listing
UIC ---- Underground Injection Control
MINES MRDS ---- Mineral Resources Data System

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.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the

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

A review of the SEMS list, as provided by EDR, and dated 04/27/2020 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WORCESTER ASSOCIATES Site ID: 0104190 EPA Id: MEN000104190	LONG POND ROAD	SE 1/8 - 1/4 (0.130 mi.)	4	12

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites 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. The data come from the Department of Environmental Protection's Uncontrolled Hazardous Substance Sites Program List of Investigations.

A review of the SHWS list, as provided by EDR, and dated 04/13/2020 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WORCESTER ASSOCIATES Facility Id: REM02127 : INVESTIGATION STAGE	***LONG POND ROAD***	***SSW 1/8 - 1/4 (0.142 mi.)***	***5***	***14***

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Protection's Underground Storage Tank Database.

A review of the UST list, as provided by EDR, and dated 05/04/2020 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
REED, ARTHUR L Tank Status: REMOVED Pipe Status: REMOVED Facility Id: 4220	LONG POND RD	NNW 0 - 1/8 (0.117 mi.)	3	11

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

ALLSITES: The Sites List Database is the public record of information regarding properties that have been, are now, or are planned to be addressed by the Division of Remediation of the Bureau of Remediation and Waste Management. This database is not intended to be a comprehensive, all-inclusive source of information regarding the properties listed therein.

A review of the ALLSITES list, as provided by EDR, and dated 04/13/2020 has revealed that there is 1 ALLSITES site within approximately 0.5 miles of the target property.

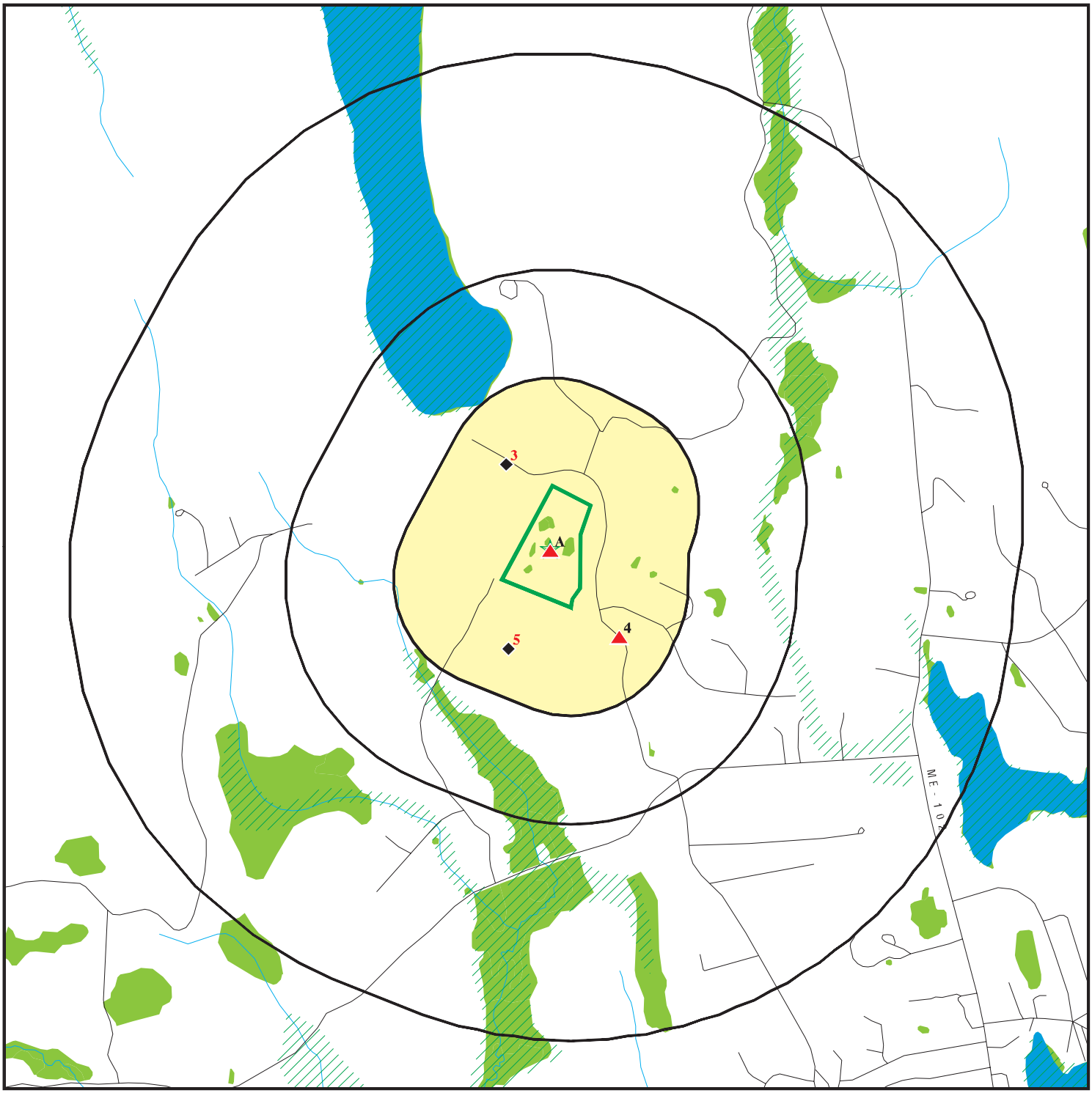
Lower Elevation	Address	Direction / Distance	Map ID	Page
WORCESTER ASSOCIATES	***LONG POND ROAD***	***SSW 1/8 - 1/4 (0.142 mi.)***	***5***	***14***
Status: INVESTIGATION STAGE				
Facility ID: REM02127				

EXECUTIVE SUMMARY

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

Site Name	Database(s)
SOUTHWEST HARBOR WATER AND SEWER D	FINDS
WORCESTER LANDFILL	ODI

OVERVIEW MAP - 6140092.2S



0 1/4 1/2 1 Miles

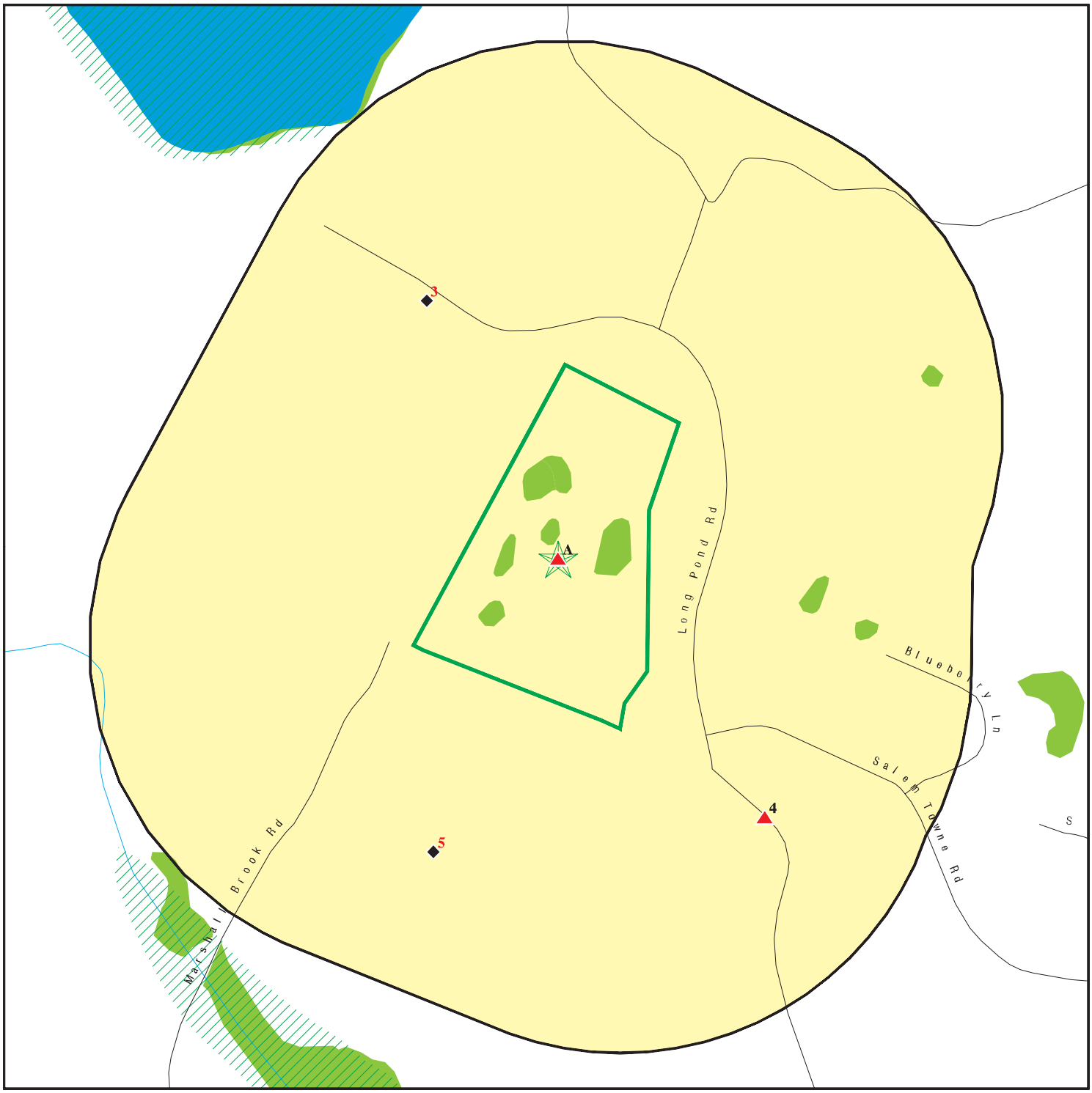
N

- 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
- 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: Southwest Harbor	CLIENT: Sevee & Maher Engineers, Inc.
ADDRESS: 47 Long Pond Rd Southwest Harbor ME 04679	CONTACT: Laura Devaudreuil
LAT/LONG: 44.295588 / 68.34611	INQUIRY #: 6140092.2s DATE: July 30, 2020 4:43 pm

DETAIL MAP - 6140092.2S



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

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- 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:	Southwest Harbor	CLIENT:	Sevee & Maher Engineers, Inc.
ADDRESS:	47 Long Pond Rd Southwest Harbor ME 04679	CONTACT:	Laura Devaudreuil
LAT/LONG:	44.295588 / 68.34611	INQUIRY #:	6140092.2s
		DATE:	July 30, 2020 4:44 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	1	0	NR	NR	1
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	1	0	0	NR	1
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
LCP	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LAST	0.500		0	0	0	NR	NR	0
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	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
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500	1	0	0	0	NR	NR	1
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
ALLSITES	0.500		0	1	0	NR	NR	1
DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
SPILLS 80	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

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
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		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

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 RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		2	1	3	0	0	0	6

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target
Property

SOUTHWEST HARBOR TRANSFER STATION
47 LONG POND RD.
SOUTHWEST HARBOR, ME 04679

SWRCY **S110534477**
N/A

Site 1 of 2 in cluster A

Actual:
152 ft.

SWRCY:

Municipality:	Not reported
Contact Name:	Not reported
Contact Phone:	244-4347
Batteries Residents:	Yes
Batteries Businesses:	Yes
Cathode Ray Tubes Residents:	Not reported
Cathode Ray Tubes Businesses:	Not reported
Fluorescent Bulbs Residents:	Yes
Fluorescent Bulbs Businesses:	Yes
Mercury Thermostats Residents:	Yes
Mercury Thermostats Businesses:	Yes
PCB Ballast Residents:	Yes
PCB Ballast Businesses:	Yes
Electronic Devises Residents:	Yes
Electronic Devises Businesses:	Yes
Vehicle Switches Residents:	No
Vehicle Switches Businesses:	No
Mercury Devices Residents:	Yes
Mercury Devices Businesses:	Yes
Universal Wastes Accepted From Notes:	8-3
Residential Accepting From?:	Not reported
Residential Charge For Service?:	Yes
Business Accepting From?:	Yes
Business Charge For Service?:	Yes
Accepting From/Charge From Service Notes:	Not reported
Permanent Id Number:	Not reported

Municipality:	Not reported
Contact Name:	Not reported
Contact Phone:	244-4347
Batteries Residents:	Yes
Batteries Businesses:	Yes
Cathode Ray Tubes Residents:	Not reported
Cathode Ray Tubes Businesses:	Not reported
Fluorescent Bulbs Residents:	Yes
Fluorescent Bulbs Businesses:	Yes
Mercury Thermostats Residents:	Yes
Mercury Thermostats Businesses:	Yes
PCB Ballast Residents:	Yes
PCB Ballast Businesses:	Yes
Electronic Devises Residents:	Yes
Electronic Devises Businesses:	Yes
Vehicle Switches Residents:	No
Vehicle Switches Businesses:	No
Mercury Devices Residents:	Yes
Mercury Devices Businesses:	Yes
Universal Wastes Accepted From Notes:	8-3
Residential Accepting From?:	Not reported
Residential Charge For Service?:	Yes
Business Accepting From?:	Yes
Business Charge For Service?:	Yes
Accepting From/Charge From Service Notes:	Not reported

SOUTHWEST HARBOR TRANSFER STATION (Continued) **S110534477**

Permanent Id Number:	Not reported
Municipality:	Anywhere
Contact Name:	Lee Worchester
Contact Phone:	244-4347
Batteries Residents:	x
Batteries Businesses:	Not reported
Cathode Ray Tubes Residents:	Not reported
Cathode Ray Tubes Businesses:	Not reported
Fluorescent Bulbs Residents:	x
Fluorescent Bulbs Businesses:	Not reported
Mercury Thermostats Residents:	x
Mercury Thermostats Businesses:	Not reported
PCB Ballast Residents:	x
PCB Ballast Businesses:	Not reported
Electronic Devises Residents:	x
Electronic Devises Businesses:	Not reported
Vehicle Switches Residents:	x
Vehicle Switches Businesses:	Not reported
Mercury Devices Residents:	x
Mercury Devices Businesses:	Not reported
Universal Wastes Accepted From Notes:	Only taken twice a year. Next collection is July 8, 2006.
Residential Accepting From?:	y
Residential Charge For Service?:	y
Business Accepting From?:	Not reported
Business Charge For Service?:	Not reported
Accepting From/Charge From Service Notes:	Not reported
Permanent Id Number:	Not reported
Municipality:	Southwest Harbor
Contact Name:	Lee Worchester
Contact Phone:	Not reported
Batteries Residents:	x
Batteries Businesses:	Not reported
Cathode Ray Tubes Residents:	Not reported
Cathode Ray Tubes Businesses:	Not reported
Fluorescent Bulbs Residents:	x
Fluorescent Bulbs Businesses:	Not reported
Mercury Thermostats Residents:	x
Mercury Thermostats Businesses:	Not reported
PCB Ballast Residents:	x
PCB Ballast Businesses:	Not reported
Electronic Devises Residents:	x
Electronic Devises Businesses:	Not reported
Vehicle Switches Residents:	x
Vehicle Switches Businesses:	Not reported
Mercury Devices Residents:	x
Mercury Devices Businesses:	Not reported
Universal Wastes Accepted From Notes:	Second Saturday of the month everyother month. 9-1
Residential Accepting From?:	y
Residential Charge For Service?:	n
Business Accepting From?:	y
Business Charge For Service?:	y
Accepting From/Charge From Service Notes:	Not reported
Permanent Id Number:	Not reported
Municipality:	Mount Desert

SOUTHWEST HARBOR TRANSFER STATION (Continued) **S110534477**

Contact Name:	Lee Worchester
Contact Phone:	244-4347
Batteries Residents:	x
Batteries Businesses:	Not reported
Cathode Ray Tubes Residents:	Not reported
Cathode Ray Tubes Businesses:	Not reported
Fluorescent Bulbs Residents:	x
Fluorescent Bulbs Businesses:	Not reported
Mercury Thermostats Residents:	x
Mercury Thermostats Businesses:	Not reported
PCB Ballast Residents:	x
PCB Ballast Businesses:	Not reported
Electronic Devises Residents:	x
Electronic Devises Businesses:	Not reported
Vehicle Switches Residents:	x
Vehicle Switches Businesses:	Not reported
Mercury Devices Residents:	x
Mercury Devices Businesses:	Not reported
Universal Wastes Accepted From Notes:	Not reported
Residential Accepting From?:	y
Residential Charge For Service?:	y
Business Accepting From?:	Not reported
Business Charge For Service?:	Not reported
Accepting From/Charge From Service Notes:	Not reported
Permanent Id Number:	Not reported

Municipality:	Tremont
Contact Name:	Lee Worchester
Contact Phone:	244-4347
Batteries Residents:	x
Batteries Businesses:	Not reported
Cathode Ray Tubes Residents:	Not reported
Cathode Ray Tubes Businesses:	Not reported
Fluorescent Bulbs Residents:	x
Fluorescent Bulbs Businesses:	Not reported
Mercury Thermostats Residents:	x
Mercury Thermostats Businesses:	Not reported
PCB Ballast Residents:	x
PCB Ballast Businesses:	Not reported
Electronic Devises Residents:	x
Electronic Devises Businesses:	Not reported
Vehicle Switches Residents:	x
Vehicle Switches Businesses:	Not reported
Mercury Devices Residents:	x
Mercury Devices Businesses:	Not reported
Universal Wastes Accepted From Notes:	Not reported
Residential Accepting From?:	y
Residential Charge For Service?:	y
Business Accepting From?:	Not reported
Business Charge For Service?:	Not reported
Accepting From/Charge From Service Notes:	Not reported
Permanent Id Number:	Not reported

A2
Target
Property

E M R INC — **FINDS** — **1012232270**
47 LONG POND RD — **N/A**
SOUTHWEST HARBOR, ME 04679

Site 2 of 2 in cluster A

Actual:
152 ft.

FINDS:
Registry ID: 110039664841

Click Here:

Environmental Interest/Information System:
ME-EFIS (Maine - Environmental Facility Information System) integrates information on environmental facilities, permits, violations, enforcement actions, and compliance activities needed to support regulatory requirements and target environmental quality improvements for the water, air, solid waste, and hazardous waste program areas.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

3
NNW
< 1/8
0.117 mi.
618 ft.

REED, ARTHUR L — **UST** — **U002164300**
LONG POND RD — **N/A**
SOUTHWEST HARBOR, ME

Relative:
Lower

Actual:
136 ft.

UST:

Name:	REED, ARTHUR L
Address:	LONG POND RD
City:	SOUTHWEST HARBOR
Facility ID:	4220
Facility Location2:	SOUTHWEST HARBOR
Facility Code:	SINGLE RESIDENCE
Fed Reg Ind:	No
Owner Name:	REED, ARTHUR L
Owner Contact:	Not reported
Owner Delivery Address:	PO BOX 66
Owner City/State/Zip:	SOUTHWEST HARBOR, ME 04679
Owner Telephone:	2072447389
Operator Contact:	Not reported
On Aquifer:	No
On Aquifer Label:	Not reported
Near Public Water:	No
Near Public Water Label:	Not reported
Near Private Water:	No
Near Private Water Label:	Not reported
Near Other Water:	No
Nearby Water Other Owner Label:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner/Operator Name:	REED, ARTHUR L
Owner/Operator Address:	PO BOX 66
Owner/Operator City,St,Zip:	SOUTHWEST HARBOR, ME 04679
Owner/Operator Phone:	2072447389
Tank Number:	1
Tank Status:	**REMOVED**
Tank Status Label:	REMOVED
Tank Status Date:	14-APR-97
Tank Sub Status:	**Not reported**

REED, ARTHUR L (Continued) **U002164300**

Tank Sub Status Label:	Not reported
Installation Date:	01-OCT-69
Product Type:	#2 FUEL OIL
Tank Volume in Gallons:	500
Tank Above/Below:	BELOWGROUND
Tank Material:	STEEL - BARE OR ASPHALT COATED.
Reg Date:	19-AUG-87
Tank Leak Detection Label:	UNKNOWN
Chamber ID:	1
Chamber Pump Type Label:	UNKNOWN
Chamber Pump Type Desc:	UNKNOWN
Pipe Status:	**REMOVED**
Pipe Status Date:	14-APR-97
Pipe Date Installed:	Not reported
Pipe Material Label:	OTHER
Pipe Status Label:	REMOVED
Pipe Leak Detection:	UNKNOWN
Pipe Leak Detection Label:	UNKNOWN
Overfill:	UNKNOWN
Overfill Protection Label:	UNKNOWN

---

4 **WORCESTER ASSOCIATES LANDFILL** **SEMS** **1008879617**
SE **LONG POND ROAD** **MEN000104190**
1/8-1/4 **SOUTHWEST HARBOR, ME 04679**
0.130 mi.
688 ft.

Relative:
Higher

Actual:
165 ft.

SEMS:

Site ID:	0104190
EPA ID:	MEN000104190
Name:	WORCESTER ASSOCIATES LANDFILL
Address:	LONG POND ROAD
Address 2:	Not reported
City,State,Zip:	SOUTHWEST HARBOR, ME 04679
Cong District:	02
FIPS Code:	23009
Latitude:	Not reported
Longitude:	Not reported
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Other Cleanup Activity: State-Lead Cleanup

SEMS Detail:

Region:	01
Site ID:	0104190
EPA ID:	MEN000104190
Site Name:	WORCESTER ASSOCIATES LANDFILL
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	2006-12-13 05:00:00
Finish Date:	12/13/2006 5:00:00 AM
Qual:	L
Current Action Lead:	St Perf

WORCESTER ASSOCIATES LANDFILL (Continued) **1008879617**

Region:	01
Site ID:	0104190
EPA ID:	MEN000104190
Site Name:	WORCESTER ASSOCIATES LANDFILL
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	2003-04-18 04:00:00
Finish Date:	4/18/2003 4:00:00 AM
Qual:	Not reported
Current Action Lead:	St Perf

Region:	01
Site ID:	0104190
EPA ID:	MEN000104190
Site Name:	WORCESTER ASSOCIATES LANDFILL
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	2006-12-13 05:00:00
Finish Date:	12/13/2006 5:00:00 AM
Qual:	L
Current Action Lead:	St Perf

Region:	01
Site ID:	0104190
EPA ID:	MEN000104190
Site Name:	WORCESTER ASSOCIATES LANDFILL
NPL:	N
FF:	N
OU:	00
Action Code:	OO
Action Name:	SITE REASS
SEQ:	1
Start Date:	2015-03-12 04:00:00
Finish Date:	3/14/2018 4:00:00 AM
Qual:	AC
Current Action Lead:	St Perf

Region:	01
Site ID:	0104190
EPA ID:	MEN000104190
Site Name:	WORCESTER ASSOCIATES LANDFILL
NPL:	N
FF:	N
OU:	00
Action Code:	VA
Action Name:	OTHR CLEANUP
SEQ:	1
Start Date:	2018-05-10 04:00:00
Finish Date:	Not reported

WORCESTER ASSOCIATES LANDFILL (Continued) **1008879617**

Qual: N
Current Action Lead: St Perf

5
SSW
1/8-1/4
0.142 mi.
749 ft.

WORCESTER ASSOCIATES LANDFILL
LONG POND ROAD
SOUTHWEST HARBOR, ME

SHWS **S112056934**
ALLSITES **N/A**

Relative:
Lower

Actual:
112 ft.

SHWS:
Name: WORCESTER ASSOCIATES LANDFILL
Address: LONG POND ROAD
City,State,Zip: SOUTHWEST HARBOR, ME
Facility ID: REM02127
Facility Status: INVESTIGATION STAGE
Program Type: UNCONTROLLED SITES
Lat/Long: 44.29231 / -68.34805
IC: FALSE
Alias: Not reported
Acres: 50
Sub Status: ONGOING
Status Date: 02/26/2016

ALLSITES:
Name: WORCESTER ASSOCIATES LANDFILL
Address: LONG POND ROAD
City,State,Zip: SOUTHWEST HARBOR, ME
Status: INVESTIGATION STAGE
Program Type: UNCONTROLLED SITES
Lat/Long: 44.29231 / -68.34805
Institutional Control?: FALSE
Alias: Not reported
Acres: 50
Sub Status: ONGOING
Status Date: 02/26/2016

Count: 2 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SOUTHWEST HARBOR	1024422568	SOUTHWEST HARBOR WATER AND SEWER D	89 LONG POND ROAD9 APPLE LANE	04679	FINDS
SOUTHWEST HARBOR	1007444438	WORCESTER LANDFILL	OFF LONG POND ROAD		ODI

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

Federal NPL site list

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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

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

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

Federal Delisted NPL site list

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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

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: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/17/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/17/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

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: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

Federal RCRA generators list

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: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
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: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
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: 05/15/2020
Date Data Arrived at EDR: 05/19/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 30

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/24/2020
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: 02/13/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
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: 02/13/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
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: 03/22/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 86

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Remediation Sites List

Uncontrolled Sites locations included in the Remediation Sites List.

Date of Government Version: 04/13/2020
Date Data Arrived at EDR: 04/14/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 78

Source: Department of Environmental Protection
Telephone: 207-287-7688
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facility List

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: 04/27/2020
Date Data Arrived at EDR: 04/28/2020
Date Made Active in Reports: 07/14/2020
Number of Days to Update: 77

Source: Department of Environmental Protection
Telephone: 207-287-2651
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

LCP: Municipal Landfill Closure Database

The Municipal Landfill Closure and Remediation Program was established in 1988 to assist nearly 400 municipalities with the closure of their unlicensed municipal solid waste landfills. Project managers in this program have conducted site investigations and provided technical engineering assistance to aid municipalities in this process. Funding to accomplish this goal was provided by the state, utilizing several bonds that supported a 75% state cost sharing reimbursement process.

Date of Government Version: 11/14/2011
Date Data Arrived at EDR: 11/15/2011
Date Made Active in Reports: 11/30/2011
Number of Days to Update: 15

Source: Department of Environmental Protection
Telephone: 207-287-8552
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: No Update Planned

State and tribal leaking storage tank lists

LAST: HOSS Database

A listing of leaking aboveground storage tanks.

Date of Government Version: 04/25/2020
Date Data Arrived at EDR: 04/28/2020
Date Made Active in Reports: 07/14/2020
Number of Days to Update: 77

Source: Department of Environmental Protection
Telephone: 207-287-2651
Last EDR Contact: 07/27/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Quarterly

LUST: Hazardous Material and Oil Spill System Database (H.O.S.S.)
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: 04/25/2020
Date Data Arrived at EDR: 04/28/2020
Date Made Active in Reports: 07/14/2020
Number of Days to Update: 77
Source: Department of Environmental Protection
Telephone: 207-287-2651
Last EDR Contact: 07/27/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Quarterly

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: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

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

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

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

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 12/17/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 55
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

State and tribal registered storage tank lists

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

Date of Government Version: 02/01/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

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

Date of Government Version: 05/04/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 07/29/2020
Number of Days to Update: 77

Source: Department of Environmental Protection
Telephone: 207-287-2651
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Quarterly

AST 2: Registered Petroeum Tanks Database
Aboveground storage tank site locations registered with the Bureau of Remediation and Waste Management.

Date of Government Version: 03/30/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78

Source: Department of Environmental Protection
Telephone: 207-287-2651
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

AST: Aboveground Storage Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 09/12/2019
Date Made Active in Reports: 11/14/2019
Number of Days to Update: 63

Source: Maine Emergency Management Agency
Telephone: 207-626-4503
Last EDR Contact: 06/03/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Annually

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: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

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: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/23/2020
Next Scheduled EDR Contact: 11/01/2020
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: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Remediation Sites List

Sites with Institutional Controls in place included in the Remediation Sites List. Institutional Controls are legally enforceable site use restrictions recorded on the property deed and therefore operate in perpetuity regardless of change in site ownership.

Date of Government Version: 04/13/2020
Date Data Arrived at EDR: 04/14/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 78

Source: Department of Environmental Protection
Telephone: 207-287-7688
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Semi-Annually

State and tribal voluntary cleanup sites

VCP: Remediation Sites List

Voluntary Response Action Program sites included in the Remediation Sites List. VRAP promotes the investigation, remediation and redevelopment of contaminated properties by offering liability assurances/protections from state enforcement actions for applicants to the program.

Date of Government Version: 04/13/2020
Date Data Arrived at EDR: 04/14/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 78

Source: Department of Environmental Protection
Telephone: 207-287-7688
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

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

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

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

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Remediation Sites List

Brownfields site locations included in the Remediation Sites List. 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".

Date of Government Version: 04/13/2020
Date Data Arrived at EDR: 04/14/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 78

Source: Department of Environmental Protection
Telephone: 207-287-7688
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facilities

A listing of municial colletcion sites for electronic waste and mercury-added products.

Date of Government Version: 03/25/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 06/08/2020
Number of Days to Update: 75

Source: Department of Environmental Protection
Telephone: 207-287-2651
Last EDR Contact: 06/15/2020
Next Scheduled EDR Contact: 09/14/2020
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: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
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: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: No Update Planned

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

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/01/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

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

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

ALLSITES: Remediation Sites List
The Sites List Database is the public record of information regarding properties that have been, are now, or are planned to be addressed by the Division of Remediation of the Bureau of Remediation and Waste Management. This database is not intended to be a comprehensive, all-inclusive source of information regarding the properties listed therein.

Date of Government Version: 04/13/2020
Date Data Arrived at EDR: 04/14/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 78
Source: Department of Environmental Protection
Telephone: 207-287-7688
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Quarterly

DEL HWS: Sites Removed from the Uncontrolled Sites List
Sites are removed from the List once it is determined that they are not "worthy of listing". This term is used as there are a number of reasons to remove a site from the List, including: no file exists, the site was reported as an oil spill, there is no evidence of a hazardous substance release or based on an investigation the site is referred to another program unrelated to hazardous substance or hazardous waste. Sites are removed on a case by case basis. The USP intends this to be an on-going process, as time and resources allow.

Date of Government Version: 04/13/2020
Date Data Arrived at EDR: 04/14/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 78
Source: Department of Environmental Protection
Telephone: 207-287-7688
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Semi-Annually

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: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid, respectively. Both are fluorinated organic chemicals, part of a larger family of compounds referred to as perfluoroalkyl substances (PFASs).

Date of Government Version: 02/14/2020
Date Data Arrived at EDR: 03/13/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 76

Source: Department of Environmental Protection
Telephone: 207-287-4305
Last EDR Contact: 06/18/2020
Next Scheduled EDR Contact: 10/05/2020
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: 04/10/2020
Date Data Arrived at EDR: 04/14/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 78

Source: Department of Environmental Protection
Telephone: 207-287-2651
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
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: 02/27/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 86

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/23/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

SPILLS: Hazardous Material and Oil Spill System Database

The database contains surface, groundwater and hazardous material spills.

Date of Government Version: 04/25/2020
Date Data Arrived at EDR: 04/28/2020
Date Made Active in Reports: 07/14/2020
Number of Days to Update: 77

Source: Department of Environmental Protection
Telephone: 207-287-2651
Last EDR Contact: 07/27/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

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

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 22

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

SPILLS 80: SPILLS80 data from FirstSearch

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

Date of Government Version: 06/07/2001
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

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

Other Ascertainable Records

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

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

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
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: 01/28/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 85

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
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: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

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

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
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
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

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

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/04/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

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

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/08/2020
Next Scheduled EDR Contact: 08/17/2020
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
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 09/28/2020
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
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 79

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 03/01/2020
Date Data Arrived at EDR: 04/21/2020
Date Made Active in Reports: 07/15/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 09/14/2020
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: 11/05/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 149

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/15/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/13/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

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

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Quarterly

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

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

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

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

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

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

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

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

MLTS: Material Licensing Tracking System

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

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 82
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/20/2020
Next Scheduled EDR Contact: 11/02/2020
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: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/05/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

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

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/01/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

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

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/08/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

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

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

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

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

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

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

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/27/2020
Next Scheduled EDR Contact: 11/09/2020
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: 06/30/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/21/2020
Number of Days to Update: 6

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
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: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
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: 07/07/2020
Next Scheduled EDR Contact: 10/19/2020
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: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
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: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

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

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

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

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

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

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

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

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

MINES VIOLATIONS: MSHA Violation Assessment Data

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

Date of Government Version: 03/31/2020
Date Data Arrived at EDR: 04/01/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 50

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

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: 02/11/2020
Date Data Arrived at EDR: 02/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 86

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 02/28/2020
Date Made Active in Reports: 05/22/2020
Number of Days to Update: 84

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
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: 03/05/2020
Date Data Arrived at EDR: 03/06/2020
Date Made Active in Reports: 05/29/2020
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/19/2020
Next Scheduled EDR Contact: 09/21/2020
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: 02/03/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 86

Source: EPA
Telephone: (617) 918-1111
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2020
Date Data Arrived at EDR: 04/07/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 80
Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Quarterly

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

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/26/2020
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: 02/18/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 85
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/19/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Quarterly

AIRS: Emissions Inventory Data
Point Source Criteria Pollutant Emissions Inventory data. Criteria air pollutant emissions, expressed in tons, by facility and pollutant.

Date of Government Version: 03/10/2020
Date Data Arrived at EDR: 03/12/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 77
Source: Department of Environmental Protection
Telephone: 207-287-7036
Last EDR Contact: 06/19/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Annually

DRYCLEANERS: Drycleaner Facilities
A listing of drycleaning facilities that use perchloroethylene.

Date of Government Version: 08/05/2019
Date Data Arrived at EDR: 08/07/2019
Date Made Active in Reports: 10/14/2019
Number of Days to Update: 68
Source: Department of Environmental Protection
Telephone: 207-287-7030
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

MANIFEST: Hazardous Waste Manifest Information Listing
Hazaroudous waste manifest information

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 06/14/2019
Date Made Active in Reports: 08/29/2019
Number of Days to Update: 76
Source: Department of Environmental Protection
Telephone: 207-287-7882
Last EDR Contact: 06/03/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Annually

NPDES: Wastewater Facilities Listing
A listing of wastewater facility locations.

Date of Government Version: 02/01/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 77
Source: Department of Environmental Protection
Telephone: 207-287-3901
Last EDR Contact: 06/25/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing
A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 09/12/2019
Date Made Active in Reports: 11/14/2019
Number of Days to Update: 63
Source: Maine Emergency Management Agency
Telephone: 207-624-4441
Last EDR Contact: 06/03/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Annually

UIC: Underground Injection Control
An injection well is any bored, drilled or driven shaft, or dug hole whose depth is greater than its largest surface dimension; an improved sinkhole; or a subsurface distribution system used to discharge fluids underground. These wells range from deep, highly technical, and more frequently monitored wells to shallow on-site drainage systems, such as septic systems, cesspools, and storm water drainage wells.

Date of Government Version: 04/30/2020
Date Data Arrived at EDR: 04/30/2020
Date Made Active in Reports: 07/14/2020
Number of Days to Update: 75
Source: Department of Environmental Protection
Telephone: 207-791-8110
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
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
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55
Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/08/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 07/01/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3
Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

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

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

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

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

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

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

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

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

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 Protection
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 Protection in Maine.

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 Protection
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 Protection in Maine.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Protection
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: 05/12/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/12/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

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

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
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: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/10/2020
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: 07/09/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/31/2020
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: 07/09/2020
Next Scheduled EDR Contact: 10/26/2020
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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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 Listing
Source: Department of Human Services
Telephone: 207-287-5060

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 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: MEGIS
Telephone: 207-287-6144

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SOUTHWEST HARBOR
47 LONG POND RD
SOUTHWEST HARBOR, ME 04679

TARGET PROPERTY COORDINATES

Latitude (North):	44.295588 - 44° 17' 44.12''
Longitude (West):	68.34611 - 68° 20' 46.00''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	552165.6
UTM Y (Meters):	4904695.5
Elevation:	152 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6699574 SOUTHWEST HARBOR, ME
Version Date:	2014

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).

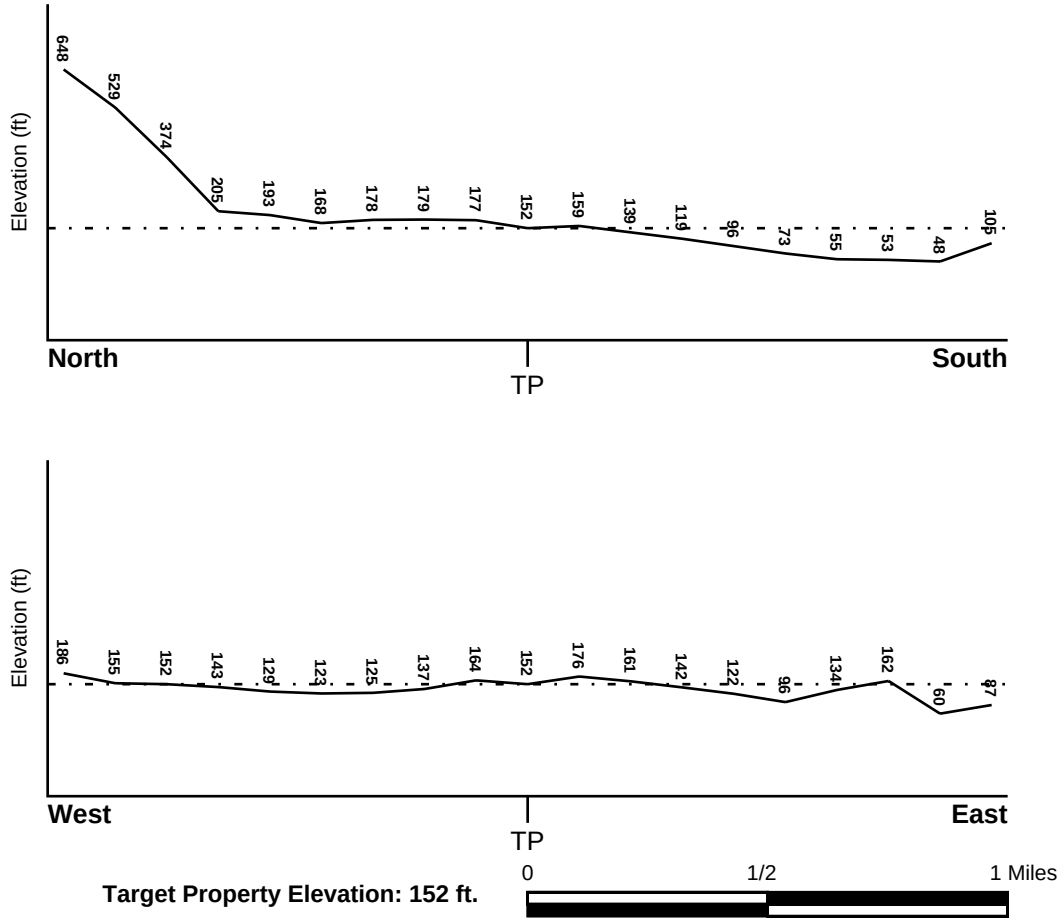
TOPOGRAPHIC INFORMATION

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 SSW

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

Flood Plain Panel at Target Property	FEMA Source Type
2302930015B	FEMA Q3 Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SOUTHWEST HARBOR	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

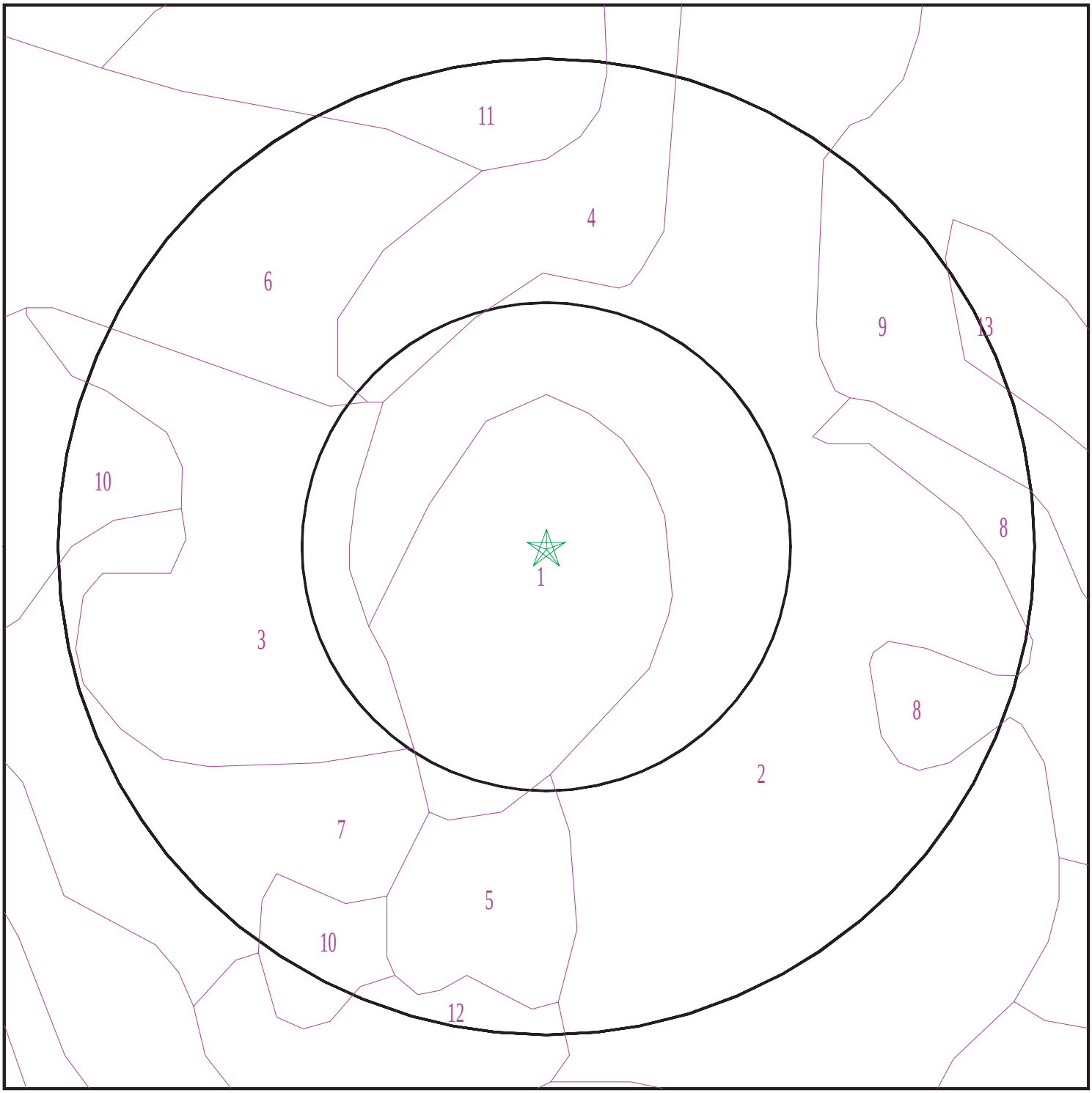
Era:	Paleozoic
System:	Devonian and Silurian
Series:	Devonian and Silurian
Code:	DSv *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Volcanic 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 - 6140092.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Southwest Harbor	CLIENT:	Sevee & Maher Engineers, Inc.
ADDRESS:	47 Long Pond Rd Southwest Harbor ME 04679	CONTACT:	Laura Devaudreuil
LAT/LONG:	44.295588 / 68.34611	INQUIRY #:	6140092.2s
		DATE:	July 30, 2020 4:44 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: PITS

Soil Surface Texture: extremely gravelly 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: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	extremely gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILIS, Gravels, Clean Gravels, Well-graded gravel.	Max: 141.14 Min: 42.34	Max: Min:
2	5 inches	59 inches	extremely gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILIS, Gravels, Clean Gravels, Well-graded gravel.	Max: 141.14 Min: 42.34	Max: Min:

Soil Map ID: 2

Soil Component Name: COLTON

Soil Surface Texture: gravelly sandy loam

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

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5
2	3 inches	7 inches	gravelly coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5
3	7 inches	20 inches	gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5
4	20 inches	64 inches	very gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5

Soil Map ID: 3

Soil Component Name: HERMON

Soil Surface Texture: sandy loam

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

Soil Drainage Class: Somewhat 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							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 14.11	Max: 6 Min: 3.6
2	3 inches	11 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 14.11	Max: 6 Min: 3.6
3	11 inches	64 inches	extremely gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 14.11	Max: 6 Min: 3.6

Soil Map ID: 4

Soil Component Name: COLTON

Soil Surface Texture: gravelly sandy loam

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							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5
2	3 inches	7 inches	gravelly coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5
3	7 inches	20 inches	gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5
4	20 inches	64 inches	very gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5

Soil Map ID: 5

Soil Component Name: UDORTHENTS

Soil Surface Texture: very gravelly sandy loam

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

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	64 inches	very gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 0.42	Max: 7.8 Min: 4.5

Soil Map ID: 6

Soil Component Name: ADAMS

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: Somewhat 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							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	loamy 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: 141.14	Max: 6.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	3 inches	24 inches	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: 141.14	Max: 6.5 Min: 4.5
3	24 inches	64 inches	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: 141.14	Max: 6.5 Min: 4.5

Soil Map ID: 7

Soil Component Name: SHEEPSCOT

Soil Surface Texture: very stony sandy loam

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

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	very stony sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 42.34	Max: 6.5 Min: 4.5
2	7 inches	18 inches	very gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 42.34	Max: 6.5 Min: 4.5
3	18 inches	24 inches	very gravelly loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 42.34	Max: 6.5 Min: 4.5
4	24 inches	64 inches	extremely gravelly coarse sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 42.34	Max: 6.5 Min: 4.5

Soil Map ID: 8

Soil Component Name: SHEEPSCOT

Soil Surface Texture: sandy loam

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

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 42.34	Max: 6.5 Min: 4.5
2	7 inches	18 inches	gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 42.34	Max: 6.5 Min: 4.5
3	18 inches	24 inches	very gravelly loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 42.34	Max: 6.5 Min: 4.5
4	24 inches	64 inches	extremely gravelly coarse sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 42.34	Max: 6.5 Min: 4.5

Soil Map ID: 9

Soil Component Name: LYMAN

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 38 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141.14 Min: 0.07	Max: Min:
2	3 inches	18 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141.14 Min: 0.07	Max: Min:
3	18 inches	22 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141.14 Min: 0.07	Max: Min:

Soil Map ID: 10

Soil Component Name: WONSQUEAK

Soil Surface Texture: muck

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: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	muck	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1.41	Max: Min:
2	7 inches	31 inches	muck	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1.41	Max: Min:
3	31 inches	64 inches	silt loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1.41	Max: Min:

Soil Map ID: 11

Soil Component Name: COLTON

Soil Surface Texture: gravelly sandy loam

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							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	3 inches	7 inches	gravelly coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5
3	7 inches	20 inches	gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5
4	20 inches	64 inches	very gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5

Soil Map ID: 12

Soil Component Name: KINSMAN

Soil Surface Texture: loamy sand

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: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 23 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 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: 141.14 Min: 42.34	Max: 6 Min: 4.5
2	7 inches	37 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: 141.14 Min: 42.34	Max: 6 Min: 4.5
3	37 inches	64 inches	gravelly 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: 141.14 Min: 42.34	Max: 6 Min: 4.5

Soil Map ID: 13

Soil Component Name: LYMAN

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 14 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141.14 Min: 0.07	Max: Min:
2	3 inches	18 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141.14 Min: 0.07	Max: Min:
3	18 inches	22 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141.14 Min: 0.07	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

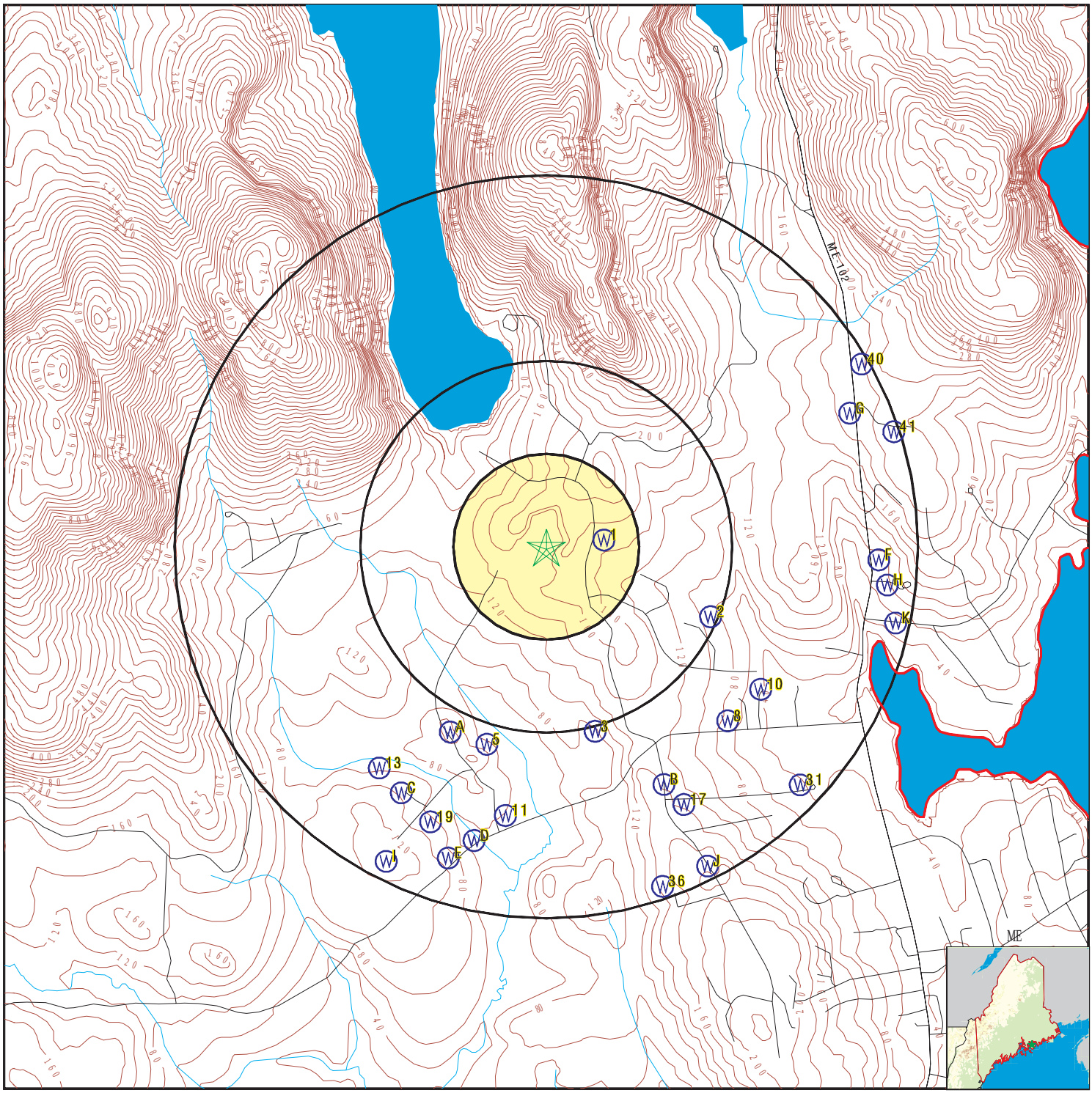
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	MEMGS1000006311	1/8 - 1/4 Mile East
2	MEMGS1000006883	1/4 - 1/2 Mile ESE
3	MEMGS1000048834	1/2 - 1 Mile SSE
A4	MEMGS1000043131	1/2 - 1 Mile SSW
5	MEMGS1000039140	1/2 - 1 Mile SSW
A6	MEMGS1000036517	1/2 - 1 Mile SSW
A7	MEMGS1000056357	1/2 - 1 Mile SSW
8	ME6000000000625	1/2 - 1 Mile SE
B9	MEMGS1000006316	1/2 - 1 Mile SSE
10	MEMGS1000020111	1/2 - 1 Mile ESE
11	MEMGS1000021679	1/2 - 1 Mile South
B12	MEMGS1000006317	1/2 - 1 Mile SSE
13	MEMGS1000051877	1/2 - 1 Mile SW
C14	MEMGS1000045298	1/2 - 1 Mile SSW
C15	MEMGS1000043973	1/2 - 1 Mile SSW
D16	MEMGS1000036983	1/2 - 1 Mile SSW
17	MEMGS1000028355	1/2 - 1 Mile SSE
C18	MEMGS1000046628	1/2 - 1 Mile SSW
19	MEMGS1000042607	1/2 - 1 Mile SSW
D20	ME6000000002516	1/2 - 1 Mile SSW
E21	MEMGS1000036968	1/2 - 1 Mile SSW
F22	MEMGS1000051732	1/2 - 1 Mile East
G23	MEMGS1000055626	1/2 - 1 Mile ENE
F24	MEMGS1000042588	1/2 - 1 Mile East
H25	MEMGS1000006747	1/2 - 1 Mile East
G26	ME6000000001353	1/2 - 1 Mile ENE
E27	MEMGS1000045231	1/2 - 1 Mile SSW
F28	ME6000000000434	1/2 - 1 Mile East
I29	MEMGS1000042606	1/2 - 1 Mile SSW
I30	MEMGS1000046577	1/2 - 1 Mile SSW
31	ME6000000002249	1/2 - 1 Mile SE
H32	MEMGS1000006897	1/2 - 1 Mile East
J33	MEMGS1000034215	1/2 - 1 Mile SSE
K34	MEMGS1000032500	1/2 - 1 Mile ESE
K35	MEMGS1000052508	1/2 - 1 Mile ESE
36	MEMGS1000034211	1/2 - 1 Mile SSE
J37	MEMGS1000045229	1/2 - 1 Mile SSE
I38	MEMGS1000055639	1/2 - 1 Mile SSW
I39	MEMGS1000054888	1/2 - 1 Mile SSW
40	ME6000000000040	1/2 - 1 Mile ENE
41	MEMGS1000042135	1/2 - 1 Mile ENE

PHYSICAL SETTING SOURCE MAP - 6140092.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

SITE NAME:	Southwest Harbor	CLIENT:	Sevee & Maher Engineers, Inc.
ADDRESS:	47 Long Pond Rd Southwest Harbor ME 04679	CONTACT:	Laura Devaudreuil
LAT/LONG:	44.295588 / 68.34611	INQUIRY #:	6140092.2s
		DATE:	July 30, 2020 4:44 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
1 **East** **1/8 - 1/4 Mile** **Higher**	**ME WELLS**	**MEMGS1000006311**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	13346	Drill Date:	17-SEP-71
Drill Date Estimated:	Not Reported	Drilling Company:	Not Reported
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	DRILLED	Flow Improved By:	Not Reported
Casing Length (ft):	20	Overburden Thickness:	0
Well Depth:	130	Well Yield (GPM):	Not Reported
Yield Date:	Not Reported	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	0
Vein Yield:	0	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

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2 **ESE** **1/4 - 1/2 Mile** **Lower**	**ME WELLS**	**MEMGS1000006883**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	14707	Drill Date:	20-JUL-89
Drill Date Estimated:	Not Reported	Drilling Company:	P.L. JONES & SON, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	14	Overburden Thickness:	6
Well Depth:	160	Well Yield (GPM):	Not Reported
Yield Date:	07/20/1989	Static Water Level:	12
SWL Measured:	07/20/1989	Vein Depth:	150
Vein Yield:	12	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

---

3 **SSE** **1/2 - 1 Mile** **Lower**	**ME WELLS**	**MEMGS1000048834**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	133735	Drill Date:	20-DEC-06
Drill Date Estimated:	Not Reported	Drilling Company:	HANSCOM WELL DRILLING
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	60	Overburden Thickness:	45
Well Depth:	205	Well Yield (GPM):	Not Reported
Yield Date:	12/20/2006	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	85
Vein Yield:	2	Vein 2 Depth:	137
Vein 2 Yield:	1	Vein 3 Depth:	199

Vein 3 Yield:	20	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	RAW LAT/LONG: 44 17.303/68 20.607

A4
SSW **ME WELLS** **MEMGS1000043131**
1/2 - 1 Mile
Lower

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	117797	Drill Date:	01-AUG-04
Drill Date Estimated:	Not Reported	Drilling Company:	P.L. JONES & SON, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	20	Overburden Thickness:	8
Well Depth:	320	Well Yield (GPM):	Not Reported
Yield Date:	08/01/2004	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	320
Vein Yield:	5	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

5
SSW **ME WELLS** **MEMGS1000039140**
1/2 - 1 Mile
Lower

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	105728	Drill Date:	14-JUN-02
Drill Date Estimated:	Not Reported	Drilling Company:	HANSCOM WELL DRILLING
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	30	Overburden Thickness:	20
Well Depth:	405	Well Yield (GPM):	Not Reported
Yield Date:	06/14/2002	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	228
Vein Yield:	.33	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported		
Comments:	YIELD 20 GALLONS PER HOUR RAW LAT/LONG: 44 17.304/68 21.061 7/04: BUILDING		

A6
SSW **ME WELLS** **MEMGS1000036517**
1/2 - 1 Mile
Lower

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	98770	Drill Date:	26-AUG-01
Drill Date Estimated:	Not Reported	Drilling Company:	P.L. JONES & SON, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	AIR
Casing Length (ft):	20	Overburden Thickness:	7

Well Depth:	515	Well Yield (GPM):	Not Reported
Yield Date:	08/26/2001	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	515
Vein Yield:	1	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	OWNER? SARGENTS

A7
SSW **ME WELLS** **MEMGS1000056357**
1/2 - 1 Mile
Lower

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	152008	Drill Date:	30-JUL-12
Drill Date Estimated:	Not Reported	Drilling Company:	A & W ARTESIAN WELL CO.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	40	Overburden Thickness:	30
Well Depth:	345	Well Yield (GPM):	Not Reported
Yield Date:	07/30/2012	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	192
Vein Yield:	1	Vein 2 Depth:	330
Vein 2 Yield:	1	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

8
SE **ME WELLS** **ME6000000000625**
1/2 - 1 Mile
Lower

Database:	Public Water Supply Wells		
PWS ID:	93250101	Type:	Non-Public
Source Water Assessment Report ID:	Not Reported		

B9
SSE **ME WELLS** **MEMGS1000006316**
1/2 - 1 Mile
Lower

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	13353	Drill Date:	08-MAY-70
Drill Date Estimated:	Not Reported	Drilling Company:	Not Reported
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	DRILLED	Flow Improved By:	Not Reported
Casing Length (ft):	12	Overburden Thickness:	0
Well Depth:	205	Well Yield (GPM):	Not Reported
Yield Date:	Not Reported	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	0
Vein Yield:	0	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported

Geothermal Well:	Not Reported	Comments:	MOST EXPENSIVE BUILDING

10
ESE
1/2 - 1 Mile
Lower

ME WELLS **MEMGS1000020111**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	51105	Drill Date:	03-OCT-90
Drill Date Estimated:	Not Reported	Drilling Company:	MERLE SAM DUNHAM, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	AIR
Casing Length (ft):	10	Overburden Thickness:	5
Well Depth:	140	Well Yield (GPM):	Not Reported
Yield Date:	10/03/1990	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	120
Vein Yield:	7.5	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

11
South
1/2 - 1 Mile
Lower

ME WELLS **MEMGS1000021679**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	55295	Drill Date:	13-APR-92
Drill Date Estimated:	Not Reported	Drilling Company:	P.L. JONES & SON, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	AIR
Casing Length (ft):	40	Overburden Thickness:	33
Well Depth:	200	Well Yield (GPM):	Not Reported
Yield Date:	04/13/1992	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	85
Vein Yield:	1	Vein 2 Depth:	178
Vein 2 Yield:	3	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	LOCATION FROM ADDRESS 7/04: BUILDING VAI

B12
SSE
1/2 - 1 Mile
Lower

ME WELLS **MEMGS1000006317**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	13358	Drill Date:	30-JUN-49
Drill Date Estimated:	Not Reported	Drilling Company:	Not Reported
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	DRILLED	Flow Improved By:	Not Reported
Casing Length (ft):	18	Overburden Thickness:	0
Well Depth:	138	Well Yield (GPM):	Not Reported
Yield Date:	Not Reported	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	0

Vein Yield:	0	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	BUILDING

13
SW
1/2 - 1 Mile
Lower

ME WELLS **MEMGS1000051877**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	141484	Drill Date:	11-MAR-10
Drill Date Estimated:	Not Reported	Drilling Company:	HANSCOM WELL DRILLING
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	HYDROFRACTURE
Casing Length (ft):	27	Overburden Thickness:	10
Well Depth:	405	Well Yield (GPM):	Not Reported
Yield Date:	03/11/2010	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	0
Vein Yield:	0	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported		
Comments:	RAW LAT/LONG: 44 17.217/68 21.310 YIELD IS AFTER HYDROFRACTURE		

C14
SSW
1/2 - 1 Mile
Lower

ME WELLS **MEMGS1000045298**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	123887	Drill Date:	29-AUG-05
Drill Date Estimated:	Not Reported	Drilling Company:	HANSCOM WELL DRILLING
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	HYDROFRACTURE
Casing Length (ft):	20	Overburden Thickness:	10
Well Depth:	405	Well Yield (GPM):	Not Reported
Yield Date:	08/29/2005	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	0
Vein Yield:	0	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	YIELD AFTER HYDROFRACTURE

C15
SSW
1/2 - 1 Mile
Lower

ME WELLS **MEMGS1000043973**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	120358	Drill Date:	13-AUG-04
Drill Date Estimated:	Not Reported	Drilling Company:	HANSCOM WELL DRILLING
Well Use:	DOMESTIC	Well Type:	BEDROCK

Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	20	Overburden Thickness:	10
Well Depth:	325	Well Yield (GPM):	Not Reported
Yield Date:	08/13/2004	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	75
Vein Yield:	.5	Vein 2 Depth:	107
Vein 2 Yield:	.5	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

D16
SSW **ME WELLS** **MEMGS1000036983**
1/2 - 1 Mile
Lower

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	99961	Drill Date:	14-JUN-02
Drill Date Estimated:	Not Reported	Drilling Company:	JOHN S. GILBERT WELL DRILLING, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	46	Overburden Thickness:	15
Well Depth:	235	Well Yield (GPM):	Not Reported
Yield Date:	06/14/2002	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	230
Vein Yield:	30	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

17
SSE **ME WELLS** **MEMGS1000028355**
1/2 - 1 Mile
Lower

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	72385	Drill Date:	10-MAR-97
Drill Date Estimated:	Not Reported	Drilling Company:	P.L. JONES & SON, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	AIR
Casing Length (ft):	40	Overburden Thickness:	30
Well Depth:	280	Well Yield (GPM):	Not Reported
Yield Date:	03/10/1997	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	280
Vein Yield:	10	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported		
Comments:	TOWN LOCATION FROM ADDRESS. 7/04: BUILDING VALUE		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C18
SSW
1/2 - 1 Mile
Lower

ME WELLS **MEMGS1000046628**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	128058	Drill Date:	02-DEC-05
Drill Date Estimated:	Not Reported	Drilling Company:	HANSCOM WELL DRILLING
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	20	Overburden Thickness:	10
Well Depth:	405	Well Yield (GPM):	Not Reported
Yield Date:	12/02/2005	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	190
Vein Yield:	.5	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	RAW LAT/LONG: 44 17.157/68 21.283

19
SSW
1/2 - 1 Mile
Lower

ME WELLS **MEMGS1000042607**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	116261	Drill Date:	17-DEC-03
Drill Date Estimated:	Not Reported	Drilling Company:	HANSCOM WELL DRILLING
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	20	Overburden Thickness:	10
Well Depth:	265	Well Yield (GPM):	Not Reported
Yield Date:	12/17/2003	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	121
Vein Yield:	1	Vein 2 Depth:	308
Vein 2 Yield:	1	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	RAW LAT/LONG: 44 17.091/68 21.143

D20
SSW
1/2 - 1 Mile
Lower

ME WELLS **ME6000000002516**

Database:	Public Water Supply Wells		
PWS ID:	3214102	Type:	Transient
Source Water Assessment Report ID:	3214102.pdf		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E21
SSW
1/2 - 1 Mile
Lower

ME WELLS **MEMGS1000036968**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	99928	Drill Date:	28-FEB-02
Drill Date Estimated:	Not Reported	Drilling Company:	JOHN S. GILBERT WELL DRILLING, INC.
Well Use:	DOMESTIC	Well Type:	GRAVEL
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	36	Overburden Thickness:	0
Well Depth:	38	Well Yield (GPM):	Not Reported
Yield Date:	02/28/2002	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	0
Vein Yield:	0	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

F22
East
1/2 - 1 Mile
Lower

ME WELLS **MEMGS1000051732**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	141257	Drill Date:	20-JAN-09
Drill Date Estimated:	Not Reported	Drilling Company:	P.L. JONES & SON, INC.
Well Use:	COMMERCIAL	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	25	Overburden Thickness:	15
Well Depth:	180	Well Yield (GPM):	Not Reported
Yield Date:	01/20/2009	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	180
Vein Yield:	27	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

G23
ENE
1/2 - 1 Mile
Higher

ME WELLS **MEMGS1000055626**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	150208	Drill Date:	30-OCT-13
Drill Date Estimated:	Not Reported	Drilling Company:	JOHN S. GILBERT WELL DRILLING, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	50	Overburden Thickness:	40
Well Depth:	320	Well Yield (GPM):	Not Reported
Yield Date:	10/30/2013	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	95
Vein Yield:	2	Vein 2 Depth:	290
Vein 2 Yield:	1	Vein 3 Depth:	0

Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

F24
East
1/2 - 1 Mile
Lower

ME WELLS **MEMGS1000042588**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	116241	Drill Date:	22-MAR-04
Drill Date Estimated:	Not Reported	Drilling Company:	HANSCOM WELL DRILLING
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	20	Overburden Thickness:	10
Well Depth:	225	Well Yield (GPM):	Not Reported
Yield Date:	03/22/2004	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	144
Vein Yield:	1	Vein 2 Depth:	205
Vein 2 Yield:	10	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	YEILD: 10+GPM

H25
East
1/2 - 1 Mile
Lower

ME WELLS **MEMGS1000006747**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	14439	Drill Date:	16-SEP-88
Drill Date Estimated:	Not Reported	Drilling Company:	JOHN S. GILBERT WELL DRILLING, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	20	Overburden Thickness:	15
Well Depth:	120	Well Yield (GPM):	Not Reported
Yield Date:	09/16/1988	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	100
Vein Yield:	25	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

G26
ENE
1/2 - 1 Mile
Higher

ME WELLS **ME6000000001353**

Database:	Public Water Supply Wells		
PWS ID:	3212101	Type:	Transient
Source Water Assessment Report ID:	3212101.pdf		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E27
SSW
1/2 - 1 Mile
Lower

ME WELLS **MEMGS1000045231**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	123819	Drill Date:	08-MAR-05
Drill Date Estimated:	Not Reported	Drilling Company:	HANSCOM WELL DRILLING
Well Use:	COMMERCIAL	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	HYDROFRACTURE
Casing Length (ft):	30	Overburden Thickness:	18
Well Depth:	405	Well Yield (GPM):	Not Reported
Yield Date:	03/08/2005	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	160
Vein Yield:	1	Vein 2 Depth:	204
Vein 2 Yield:	2	Vein 3 Depth:	258
Vein 3 Yield:	2	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	YIELD AFTER HYDROFRACTURE

F28
East
1/2 - 1 Mile
Lower

ME WELLS **ME6000000000434**

Database:	Public Water Supply Wells		
PWS ID:	26041101	Type:	Transient
Source Water Assessment Report ID:	26041101.pdf		

I29
SSW
1/2 - 1 Mile
Lower

ME WELLS **MEMGS1000042606**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	116260	Drill Date:	01-OCT-03
Drill Date Estimated:	Not Reported	Drilling Company:	HANSCOM WELL DRILLING
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	32	Overburden Thickness:	19
Well Depth:	405	Well Yield (GPM):	Not Reported
Yield Date:	10/01/2003	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	0
Vein Yield:	0	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	RAW LAT/LONG: 44 17.009/68 21.249

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
I30 **SSW** **1/2 - 1 Mile** **Lower**	**ME WELLS**	**MEMGS1000046577**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	128005	Drill Date:	20-JUN-05
Drill Date Estimated:	Not Reported	Drilling Company:	HANSCOM WELL DRILLING
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	20	Overburden Thickness:	10
Well Depth:	368	Well Yield (GPM):	Not Reported
Yield Date:	06/20/2005	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	65
Vein Yield:	.5	Vein 2 Depth:	240
Vein 2 Yield:	.5	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	RAW LAT/LONG: 44.2836/68.3547

	Database	EDR ID Number
31 **SE** **1/2 - 1 Mile** **Lower**	**ME WELLS**	**ME6000000002249**

Database:	Public Water Supply Wells		
PWS ID:	92180101	Type:	Community
Source Water Assessment Report ID:	92180101.pdf		

	Database	EDR ID Number
H32 **East** **1/2 - 1 Mile** **Lower**	**ME WELLS**	**MEMGS1000006897**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	14737	Drill Date:	08-AUG-89
Drill Date Estimated:	Not Reported	Drilling Company:	MERLE SAM DUNHAM, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	6	Overburden Thickness:	6
Well Depth:	200	Well Yield (GPM):	Not Reported
Yield Date:	08/08/1989	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	100
Vein Yield:	1	Vein 2 Depth:	200
Vein 2 Yield:	5	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J33
SSE
1/2 - 1 Mile
Higher

ME WELLS **MEMGS1000034215**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	90837	Drill Date:	03-MAR-00
Drill Date Estimated:	Not Reported	Drilling Company:	JOHN S. GILBERT WELL DRILLING, INC.
Well Use:	OTHER	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	HYDROFRACTURE
Casing Length (ft):	20	Overburden Thickness:	2
Well Depth:	400	Well Yield (GPM):	Not Reported
Yield Date:	03/03/2000	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	200
Vein Yield:	5	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported		
Comments:	IRRIGATION WELL 12 GPM AFTER HYDROFRACTURE 7/04: LOT TOO LARGE TO PLOT		

K34
ESE
1/2 - 1 Mile
Lower

ME WELLS **MEMGS1000032500**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	85964	Drill Date:	01-SEP-99
Drill Date Estimated:	Not Reported	Drilling Company:	JOHN S. GILBERT WELL DRILLING, INC.
Well Use:	COMMERCIAL	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	20	Overburden Thickness:	8
Well Depth:	175	Well Yield (GPM):	Not Reported
Yield Date:	09/01/1999	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	145
Vein Yield:	20	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	7/04: LOT TOO LARGE TO PLOT

K35
ESE
1/2 - 1 Mile
Lower

ME WELLS **MEMGS1000052508**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	142959	Drill Date:	18-MAY-11
Drill Date Estimated:	Not Reported	Drilling Company:	JOHN S. GILBERT WELL DRILLING, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	AIR
Casing Length (ft):	32	Overburden Thickness:	18
Well Depth:	175	Well Yield (GPM):	Not Reported
Yield Date:	05/18/2011	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	145
Vein Yield:	25	Vein 2 Depth:	0

Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

36
SSE **ME WELLS** **MEMGS1000034211**
1/2 - 1 Mile
Lower

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	90826	Drill Date:	16-DEC-99
Drill Date Estimated:	Not Reported	Drilling Company:	JOHN S. GILBERT WELL DRILLING, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	30	Overburden Thickness:	4
Well Depth:	175	Well Yield (GPM):	Not Reported
Yield Date:	12/16/1999	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	162
Vein Yield:	9	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	YIELD 8-10 GPM

J37
SSE **ME WELLS** **MEMGS1000045229**
1/2 - 1 Mile
Higher

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	123817	Drill Date:	20-SEP-04
Drill Date Estimated:	Not Reported	Drilling Company:	HANSCOM WELL DRILLING
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	20	Overburden Thickness:	6
Well Depth:	405	Well Yield (GPM):	Not Reported
Yield Date:	09/20/2004	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	274
Vein Yield:	3	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	RAW LAT/LONG: 44.283/68.3375

I38
SSW **ME WELLS** **MEMGS1000055639**
1/2 - 1 Mile
Lower

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	150241	Drill Date:	27-JUN-14
Drill Date Estimated:	N	Drilling Company:	JOHN S. GILBERT WELL DRILLING, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	ROTARY DRILLED	Flow Improved By:	NONE
Casing Length (ft):	20	Overburden Thickness:	7

Well Depth:	300	Well Yield (GPM):	Not Reported
Yield Date:	06/27/2014	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	56
Vein Yield:	1	Vein 2 Depth:	92
Vein 2 Yield:	1	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	N
Geothermal Well:	Not Reported		
Comments:	70’ 4 PVC SLOTTED WITH 2 SEALS SET AT 80’ TO STOP 3/4 STONE FROM VERTICAL SEAMS		

I39
SSW
1/2 - 1 Mile
Lower

ME WELLS **MEMGS1000054888**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	148342	Drill Date:	07-NOV-11
Drill Date Estimated:	Not Reported	Drilling Company:	P.L. JONES & SON, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	20	Overburden Thickness:	4
Well Depth:	100	Well Yield (GPM):	Not Reported
Yield Date:	11/07/2011	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	100
Vein Yield:	50	Vein 2 Depth:	0
Vein 2 Yield:	0	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0
Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

40
ENE
1/2 - 1 Mile
Higher

ME WELLS **ME6000000000040**

Database:	Public Water Supply Wells		
PWS ID:	11753101	Type:	Transient
Source Water Assessment Report ID:	7182101.pdf		

41
ENE
1/2 - 1 Mile
Higher

ME WELLS **MEMGS1000042135**

Datatbase:	Maine Geological Survey Water Well Database		
Well #:	114739	Drill Date:	17-MAR-04
Drill Date Estimated:	Not Reported	Drilling Company:	JOHN S. GILBERT WELL DRILLING, INC.
Well Use:	DOMESTIC	Well Type:	BEDROCK
Well Construction:	Not Reported	Flow Improved By:	Not Reported
Casing Length (ft):	40	Overburden Thickness:	6
Well Depth:	300	Well Yield (GPM):	Not Reported
Yield Date:	03/17/2004	Static Water Level:	0
SWL Measured:	Not Reported	Vein Depth:	265
Vein Yield:	5	Vein 2 Depth:	280
Vein 2 Yield:	3	Vein 3 Depth:	0
Vein 3 Yield:	0	Vein 4 Depth:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Vein 4 Yield:	0	Replacement Well:	Not Reported
Geothermal Well:	Not Reported	Comments:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: ME Radon

Radon Test Results

Zip	City	Floor	Results
04679		B	0.3
04679		B	4.1
04679		B	3.9
04679		B	5.9
04679		B	6.1
04679		F	1.6
04679		B	2.9
04679		F	4.2
04679		F	2.0
04679		B	1.1
04679	5/7/03 0:00:00	4	2433.8
04679		B	5.6

Federal EPA Radon Zone for HANCOCK County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 04679

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.200 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.500 pCi/L	67%	33%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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

State Wetlands Data: Wetland Inventory
Source: MEGIS
Telephone: 207-287-6144

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

Maine Geological Survey Water Well Database
Source: Maine Geological Survey
Telephone: 207-287-3200
Contains over 50,000 located wells is available for download. This file contains information on all wells in the database which could be geographically located. Data points have been located by GPS, by street address locations, and by using tax maps in combination with air photos so location accuracy varies. The database includes coordinates and descriptive information such as well yield, depth, overburden thickness, well use, and well type.

Public Water Supply Wells Database
Source: Department of Human Services, Drinking Water Program
Telephone: 207-287-6196
There are 3 types of public water systems in Maine: Transient Systems; Community Systems and Non-transient Non-community Systems.

OTHER STATE DATABASE INFORMATION

RADON

Maine Radon Test Results
Source: Department of Human Services
Telephone: 207-287-5698
The state of Maine Radiation Control Program's - Radon/Indor Air Quality Section's position on radon map, is that they should be used neither to predict the presence of high nor low values in any given geographic or geologic area. The only conclusion that should be drawn from this data is that radon in omnipresent in the soil gasses in the state of Maine, and therefore all residences and buildings that come in contact with the ground should be tested for radon.

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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

STREET AND ADDRESS INFORMATION

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Androscoggin and Sagadahoc Counties, Maine

Livermore Falls

October 11, 2019

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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Contents

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

Map Scale: 1:3,140 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 45 90 180 270

Feet: 0 150 300 600 900

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Androscoggin and Sagadahoc Counties, Maine
Survey Area Data: Version 20, Sep 16, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 18, 2012—Nov 1, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background

MAP LEGEND

MAP INFORMATION

imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BgB	Nicholville very fine sandy loam, 0 to 8 percent slopes	0.1	0.3%
EmB	Elmwood fine sandy loam, 2 to 8 percent slopes	0.3	0.8%
MeB	Melrose fine sandy loam, 0 to 8 percent slopes	2.2	6.9%
MeC	Melrose fine sandy loam, 8 to 20 percent slopes	0.1	0.4%
MkB	Merrimac fine sandy loam, 0 to 8 percent slopes	18.0	57.3%
MkC2	Merrimac fine sandy loam, 8 to 15 percent slopes, eroded	7.3	23.4%
NgB	Ninigret fine sandy loam, 0 to 8 percent slopes	1.4	4.3%
SzA	Swanton fine sandy loam, 0 to 3 percent slopes	2.0	6.4%
Totals for Area of Interest		**31.4**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas

are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Androscoggin and Sagadahoc Counties, Maine

BgB—Nicholville very fine sandy loam, 0 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2yjg5
Elevation: 20 to 2,300 feet
Mean annual precipitation: 34 to 50 inches
Mean annual air temperature: 37 to 45 degrees F
Frost-free period: 90 to 160 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Nicholville and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Nicholville

Setting

Landform: Lakebeds (relict)
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Coarse-silty glaciomarine deposits

Typical profile

Ap - 0 to 7 inches: very fine sandy loam
Bs - 7 to 19 inches: very fine sandy loam
BC - 19 to 30 inches: very fine sandy loam
C - 30 to 65 inches: loamy very fine sand

Properties and qualities

Slope: 0 to 8 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.14 to 1.42 in/hr)
Depth to water table: About 18 to 30 inches
Frequency of flooding: None
Frequency of ponding: None
Salinity, maximum in profile: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water storage in profile: High (about 10.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Croghan

Percent of map unit: 5 percent
Landform: Lakebeds (relict)

Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Roundabout, somewhat poorly drained

Percent of map unit: 5 percent
Landform: Lakebeds (relict)
Landform position (two-dimensional): Footslope, toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Salmon

Percent of map unit: 3 percent
Landform: Lakebeds (relict)
Landform position (two-dimensional): Backslope, summit
Landform position (three-dimensional): Side slope, crest
Down-slope shape: Linear
Across-slope shape: Convex
Hydric soil rating: No

Roundabout

Percent of map unit: 2 percent
Landform: Lakebeds (relict)
Landform position (two-dimensional): Footslope, toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Linear
Across-slope shape: Concave
Hydric soil rating: Yes

EmB—Elmwood fine sandy loam, 2 to 8 percent slopes

Map Unit Setting

National map unit symbol: 9kd2
Elevation: 10 to 2,000 feet
Mean annual precipitation: 34 to 55 inches
Mean annual air temperature: 37 to 46 degrees F
Frost-free period: 80 to 195 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Elmwood and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Elmwood

Setting

Landform: Stream terraces
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Coarse-loamy glaciolacustrine deposits

Typical profile

H1 - 0 to 9 inches: fine sandy loam
H2 - 9 to 23 inches: sandy loam
H3 - 23 to 40 inches: silty clay loam

Properties and qualities

Slope: 2 to 8 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)
Depth to water table: About 18 to 36 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Moderate (about 6.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Swanton

Percent of map unit: 4 percent
Landform: Outwash plains
Landform position (three-dimensional): Tread
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Belgrade

Percent of map unit: 4 percent
Landform: Lakebeds
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Melrose

Percent of map unit: 3 percent
Landform: Stream terraces
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear

Across-slope shape: Linear
Hydric soil rating: No

Ninigret

Percent of map unit: 2 percent
Landform: Outwash terraces
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Elmwood, slopes < 2 percent

Percent of map unit: 1 percent
Landform: Stream terraces
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Elmwood, slopes > 8 percent

Percent of map unit: 1 percent
Landform: Stream terraces
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

MeB—Melrose fine sandy loam, 0 to 8 percent slopes

Map Unit Setting

National map unit symbol: 9kdq
Elevation: 10 to 2,200 feet
Mean annual precipitation: 30 to 55 inches
Mean annual air temperature: 37 to 46 degrees F
Frost-free period: 70 to 195 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Melrose and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Melrose

Setting

Landform: Stream terraces
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear

Across-slope shape: Linear
Parent material: Loamy glaciolacustrine deposits

Typical profile

H1 - 0 to 9 inches: fine sandy loam
H2 - 9 to 24 inches: fine sandy loam
H3 - 24 to 65 inches: silty clay loam

Properties and qualities

Slope: 0 to 8 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Elmwood

Percent of map unit: 4 percent
Landform: Stream terraces
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Ninigret

Percent of map unit: 3 percent
Landform: Outwash terraces
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Adams

Percent of map unit: 2 percent
Landform: Outwash terraces
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Agawam

Percent of map unit: 2 percent
Landform: Outwash plains
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Melrose, slopes > 8 percent

Percent of map unit: 2 percent
Landform: Stream terraces
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Swanton

Percent of map unit: 2 percent
Landform: Outwash plains
Landform position (three-dimensional): Tread
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

MeC—Melrose fine sandy loam, 8 to 20 percent slopes

Map Unit Setting

National map unit symbol: 9kdr
Elevation: 10 to 2,200 feet
Mean annual precipitation: 30 to 55 inches
Mean annual air temperature: 37 to 46 degrees F
Frost-free period: 70 to 195 days
Farmland classification: Not prime farmland

Map Unit Composition

Melrose and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Melrose

Setting

Landform: Stream terraces
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy glaciolacustrine deposits

Typical profile

H1 - 0 to 9 inches: fine sandy loam
H2 - 9 to 24 inches: fine sandy loam
H3 - 24 to 65 inches: silty clay loam

Properties and qualities

Slope: 8 to 20 percent
Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Elmwood

Percent of map unit: 4 percent
Landform: Stream terraces
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Ninigret

Percent of map unit: 3 percent
Landform: Outwash terraces
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Melrose, slopes < 8 percent

Percent of map unit: 2 percent
Landform: Stream terraces
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Swanton

Percent of map unit: 2 percent
Landform: Outwash plains
Landform position (three-dimensional): Tread
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Agawam

Percent of map unit: 2 percent
Landform: Outwash plains
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Adams

Percent of map unit: 1 percent
Landform: Outwash terraces
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Melrose, slopes > 20 percent

Percent of map unit: 1 percent
Landform: Stream terraces
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

MkB—Merrimac fine sandy loam, 0 to 8 percent slopes

Map Unit Setting

National map unit symbol: 9kdt
Elevation: 10 to 2,200 feet
Mean annual precipitation: 30 to 50 inches
Mean annual air temperature: 37 to 46 degrees F
Frost-free period: 70 to 160 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Merrimac and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Merrimac

Setting

Landform: Outwash terraces
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Riser
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy glaciofluvial deposits derived from granite and gneiss

Typical profile

H1 - 0 to 9 inches: fine sandy loam
H2 - 9 to 22 inches: gravelly fine sandy loam
H3 - 22 to 28 inches: very gravelly loamy sand
H4 - 28 to 65 inches: stratified extremely gravelly coarse sand

Properties and qualities

Slope: 0 to 8 percent
Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 5.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2s
Hydrologic Soil Group: A
Hydric soil rating: No

Minor Components

Adams

Percent of map unit: 4 percent
Landform: Outwash terraces
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Ninigret

Percent of map unit: 3 percent
Landform: Outwash terraces
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Agawam

Percent of map unit: 3 percent
Landform: Outwash plains
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Merrimac, slopes > 8 percent

Percent of map unit: 2 percent
Landform: Outwash terraces
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Riser
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Naumburg

Percent of map unit: 2 percent
Landform: Outwash plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Hinckley

Percent of map unit: 1 percent

Landform: Outwash terraces
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

MkC2—Merrimac fine sandy loam, 8 to 15 percent slopes, eroded

Map Unit Setting

National map unit symbol: 9kdv
Elevation: 10 to 2,200 feet
Mean annual precipitation: 30 to 50 inches
Mean annual air temperature: 37 to 46 degrees F
Frost-free period: 70 to 160 days
Farmland classification: Not prime farmland

Map Unit Composition

Merrimac and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Merrimac

Setting

Landform: Outwash terraces
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Riser
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy glaciofluvial deposits derived from granite and gneiss

Typical profile

H1 - 0 to 5 inches: fine sandy loam
H2 - 5 to 18 inches: gravelly fine sandy loam
H3 - 18 to 24 inches: very gravelly loamy sand
H4 - 24 to 65 inches: stratified extremely gravelly coarse sand

Properties and qualities

Slope: 8 to 15 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: A
Hydric soil rating: No

Minor Components

Adams
Percent of map unit: 4 percent
Landform: Outwash terraces
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Agawam
Percent of map unit: 3 percent
Landform: Outwash plains
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Ninigret
Percent of map unit: 3 percent
Landform: Outwash terraces
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Naumburg
Percent of map unit: 2 percent
Landform: Outwash plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Merrimac, slopes < 8 percent
Percent of map unit: 1 percent
Landform: Outwash terraces
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Riser
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Merrimac, slopes > 15 percent
Percent of map unit: 1 percent
Landform: Outwash terraces
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Riser
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Hinckley
Percent of map unit: 1 percent
Landform: Outwash terraces

Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

NgB—Ninigret fine sandy loam, 0 to 8 percent slopes

Map Unit Setting

National map unit symbol: 9kdx
Elevation: 10 to 2,800 feet
Mean annual precipitation: 30 to 55 inches
Mean annual air temperature: 37 to 46 degrees F
Frost-free period: 70 to 195 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Ninigret and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ninigret

Setting

Landform: Outwash terraces
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Coarse-loamy glaciofluvial deposits derived from slate

Typical profile

H1 - 0 to 8 inches: fine sandy loam
H2 - 8 to 28 inches: fine sandy loam
H3 - 28 to 65 inches: loamy fine sand

Properties and qualities

Slope: 0 to 8 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: About 18 to 36 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Agawam

Percent of map unit: 5 percent
Landform: Outwash plains
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Adams

Percent of map unit: 3 percent
Landform: Outwash terraces
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Elmwood

Percent of map unit: 2 percent
Landform: Stream terraces
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Naumburg

Percent of map unit: 2 percent
Landform: Outwash plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Scarboro

Percent of map unit: 2 percent
Landform: Outwash plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Dip
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: Yes

Ninigret, slopes > 8 percent

Percent of map unit: 1 percent
Landform: Outwash terraces
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

SzA—Swanton fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 9kfn
Elevation: 10 to 2,100 feet
Mean annual precipitation: 33 to 60 inches
Mean annual air temperature: 37 to 46 degrees F
Frost-free period: 90 to 195 days
Farmland classification: Not prime farmland

Map Unit Composition

Swanton and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Swanton

Setting

Landform: Outwash plains
Landform position (three-dimensional): Tread
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Loamy glaciolacustrine deposits and/or marine deposits

Typical profile

H1 - 0 to 7 inches: fine sandy loam
H2 - 7 to 22 inches: fine sandy loam
H3 - 22 to 65 inches: silty clay loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)
Depth to water table: About 0 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: High (about 9.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: D
Hydric soil rating: Yes

Minor Components

Scantic

Percent of map unit: 5 percent

Landform: Marine terraces, river valleys
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: Yes

Whately

Percent of map unit: 3 percent
Landform: Outwash plains
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Elmwood

Percent of map unit: 3 percent
Landform: Stream terraces
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Naumburg

Percent of map unit: 2 percent
Landform: Outwash plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Wonsqueak

Percent of map unit: 2 percent
Landform: Swamps
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

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Livermore Falls WWTP
Program License: N/A

Licensed Land Application Sites

Licensee	Site Name	License #	Town	Nearest Road	Town	Nearest Road	Date Licensed
Livermore Falls WWTP	Parker	W006556-56-A-N	Jay	Moose Hill Rd.			5/29/1985
Livermore Falls WWTP	Souther	W007742-56-A-R	Livermore Falls	Souther Rd.			10/11/1988
Livermore Falls WWTP	Jewell/Josephson	S-20629-61-A-N	Jay	Allen Rd.	Jay	Brackett Rd.	6/19/1991
Livermore Falls WWTP	Black	S-20630-61-A-N	Jay	West Rd.			9/19/1991
Livermore Falls WWTP	Lake	S-21378-SO-A-N	Fayette	Fayette Ridge Rd.			3/17/1995

Spreading Activities (as reported in annual reports)

Licensee	Year	Site	Field	Volume in Cubic Yards	Utilizable Acres	Acres Utilized	Comments
Livermore Falls WWTP	1989	Souther	Knoll	16.38		3.5	Reported in Gallons
Livermore Falls WWTP	1989	Souther	Hanger	23.94		5.5	Reported in Gallons
Livermore Falls WWTP	1989	Souther	Dump	16.38		3	Reported in Gallons
Livermore Falls WWTP	1989	Souther	Air	32.76		7.5	Reported in Gallons
Livermore Falls WWTP	1989	Souther	Crabapple	26.46		5	Reported in Gallons
Livermore Falls WWTP	1989	Souther	Rye	23.94		4.5	Reported in Gallons
Livermore Falls WWTP	1989	Souther	Back Pasture	27.72		8	Reported in Gallons
Livermore Falls WWTP	1989	Parker	Right Back	59.22		10	Reported in Gallons
Livermore Falls WWTP	1989	Parker	Left Front	23.94		5	Reported in Gallons
Livermore Falls WWTP	1989	Parker	Left Back	15.12		6	Reported in Gallons
Livermore Falls WWTP	1990	Souther	Asparagus	18.9		4	Reported in Gallons
Livermore Falls WWTP	1990	Souther	Back Pasture	21.42		4	Reported in Gallons
Livermore Falls WWTP	1990	Souther	Flat	40.32		7	Reported in Gallons
Livermore Falls WWTP	1990	Souther	Triangle	17.64		3	Reported in Gallons
Livermore Falls WWTP	1990	Souther	Bamford	18.9		4	Reported in Gallons
Livermore Falls WWTP	1990	Souther	Back Pasture	65.52		7	Reported in Gallons
Livermore Falls WWTP	1990	Souther	Hanger	23.94		4	Reported in Gallons
Livermore Falls WWTP	1991	Jewell	1	41.95		7	Reported in Gallons
Livermore Falls WWTP	1991	Josephson	3	33.79		7.3	Reported in Gallons
Livermore Falls WWTP	1991	Jewell	2	9.32		4.7	Reported in Gallons
Livermore Falls WWTP	1991	Josephson	4	37.29		4.1	Reported in Gallons
Livermore Falls WWTP	1991	Josephson	5	6.99		1.96	Reported in Gallons
Livermore Falls WWTP	1991	Josephson	6	19.81		6.99	Reported in Gallons
Livermore Falls WWTP	1991	Black	2	20.34		4.6	Reported in Gallons
Livermore Falls WWTP	1991	Black	5	20.97		5	Reported in Gallons
Livermore Falls WWTP	1991	Black	3	8.15		2	Reported in Gallons
Livermore Falls WWTP	1991	Souther	Crabapple	30.36		5	Reported in Gallons
Livermore Falls WWTP	1991	Souther	Airstrip	12.6		2.5	Reported in Gallons
Livermore Falls WWTP	1991	Souther	Hanger	13.86		4	Reported in Gallons
Livermore Falls WWTP	1991	Souther	Bamford	6.3		2	Reported in Gallons
Livermore Falls WWTP	1992	Josephson	1	16.06		5	Reported in Gallons
Livermore Falls WWTP	1992	Black	5	9.45		2	Reported in Gallons
Livermore Falls WWTP	1992	Black	4	16.06		1.9	Reported in Gallons
Livermore Falls WWTP	1992	Black	3	56.7		5	Reported in Gallons
Livermore Falls WWTP	1992	Black	2	27.4		4	Reported in Gallons
Livermore Falls WWTP	1992	Black	1	18.9		1.7	Reported in Gallons
Livermore Falls WWTP	1992	Souther	Triangle	17.95		3	Reported in Gallons
Livermore Falls WWTP	1992	Souther	Ditch	28.03		6	Reported in Gallons
Livermore Falls WWTP	1992	Souther	Bamford	17.01		4	Reported in Gallons
Livermore Falls WWTP	1992	Souther	Hanger	29.29		4	Reported in Gallons
Livermore Falls WWTP	1992	Souther	Crabapple	23.62		5	Reported in Gallons
Livermore Falls WWTP	1992	Souther	Back	21.73		7	Reported in Gallons
Livermore Falls WWTP	1993	Souther	1	11.94		2	Reported in Gallons
Livermore Falls WWTP	1993	Souther	2	14.93		4	Reported in Gallons
Livermore Falls WWTP	1993	Souther	3	29.86		6	Reported in Gallons
Livermore Falls WWTP	1993	Souther	5	18.91		8	Reported in Gallons
Livermore Falls WWTP	1993	Souther	6	**17.91**		3	Reported in Gallons
Livermore Falls WWTP	1993	Souther	7	22.89		3.5	Reported in Gallons
Livermore Falls WWTP	1993	Souther	8	35.83		9	Reported in Gallons
Livermore Falls WWTP	1993	Souther	9	21.89		4.5	Reported in Gallons
Livermore Falls WWTP	1993	Souther	10	13.93		4	Reported in Gallons
Livermore Falls WWTP	1993	Black	1	21.89		1.7	Reported in Gallons
Livermore Falls WWTP	1993	Black	2	52.75		4.6	Reported in Gallons
Livermore Falls WWTP	1993	Black	3	34.83		5.2	Reported in Gallons
Livermore Falls WWTP	1993	Black	4	16.6		1.9	Reported in Gallons
Livermore Falls WWTP	1993	Black	5	45.78		5.3	Reported in Gallons
Livermore Falls WWTP	1994	Black	1	28.35		1.7	Reported in Gallons
Livermore Falls WWTP	1994	Black	2	35.15		4.6	Reported in Gallons
Livermore Falls WWTP	1994	Black	3	38.55		5.2	Reported in Gallons
Livermore Falls WWTP	1994	Black	4	27.21		1.9	Reported in Gallons
Livermore Falls WWTP	1994	Black	5	62.37		5.3	Reported in Gallons
Livermore Falls WWTP	1994	Souther	1	28.35		4.5	Reported in Gallons
Livermore Falls WWTP	1994	Souther	2	11.34		2	Reported in Gallons
Livermore Falls WWTP	1994	Souther	4	22.68		7.5	Reported in Gallons
Livermore Falls WWTP	1994	Souther	8	14.74		8	Reported in Gallons
Livermore Falls WWTP	1994	Souther	6	21.54		3.5	Reported in Gallons
Livermore Falls WWTP	1994	Souther	7	13.6		3.5	Reported in Gallons
Livermore Falls WWTP	1995	Lake	1	26.46		4	Reported in Gallons

Livermore Falls WWTP	1995	Lake	3	23.94	2	Reported in Gallons
Livermore Falls WWTP	1995	Lake	4	41.58	6	Reported in Gallons
Livermore Falls WWTP	1995	Black	2	40.32	5	Reported in Gallons
Livermore Falls WWTP	1995	Black	3	36.54	5	Reported in Gallons
Livermore Falls WWTP	1995	Black	4	18.27	2	Reported in Gallons
Livermore Falls WWTP	1995	Black	5	30.42	5	Reported in Gallons
Livermore Falls WWTP	1995	Souther	1	25.2	4	Reported in Gallons
Livermore Falls WWTP	1995	Souther	4	36.54	8	Reported in Gallons
Livermore Falls WWTP	1995	Souther	5	32.76	8	Reported in Gallons
Livermore Falls WWTP	1995	Souther	6	22.68	4	Reported in Gallons
Livermore Falls WWTP	1995	Souther	8	37.8	6	Reported in Gallons
Livermore Falls WWTP	1996	Black	1	74.34	5	Reported in Gallons
Livermore Falls WWTP	1996	Black	3	66.78	5	Reported in Gallons
Livermore Falls WWTP	1996	Black	4	24.57	2	Reported in Gallons
Livermore Falls WWTP	1996	Black	5	57.96	5	Reported in Gallons
Livermore Falls WWTP	1996	Lake	1	57.96	4	Reported in Gallons
Livermore Falls WWTP	1996	Lake	3	26.46	3	Reported in Gallons
Livermore Falls WWTP	1996	Lake	4	52.92	5	Reported in Gallons
Livermore Falls WWTP	1997	Black	1	17.26	5	Reported in Gallons
Livermore Falls WWTP	1997	Black	2	18.01	2	Reported in Gallons
Livermore Falls WWTP	1997	Black	3	39.81	5	Reported in Gallons
Livermore Falls WWTP	1997	Black	4	26.71	2	Reported in Gallons
Livermore Falls WWTP	1997	Black	5	93.74	5	Reported in Gallons
Livermore Falls WWTP	1997	Lake	1	49.39	4	Reported in Gallons
Livermore Falls WWTP	1997	Lake	2	46.36	3	Reported in Gallons
Livermore Falls WWTP	1997	Lake	3	41.32	5	Reported in Gallons
Livermore Falls WWTP	1998	Black	1	78.12	5	Reported in Gallons
Livermore Falls WWTP	1998	Black	2	17.64	2	Reported in Gallons
Livermore Falls WWTP	1998	Black	3	64.26	5	Reported in Gallons
Livermore Falls WWTP	1998	Black	4	13.86	2	Reported in Gallons
Livermore Falls WWTP	1998	Black	5	61.74	5	Reported in Gallons
Livermore Falls WWTP	1998	Lake	1	20.16	4	Reported in Gallons
Livermore Falls WWTP	1998	Lake	2	10.08	3	Reported in Gallons
Livermore Falls WWTP	1998	Lake	3	45.36	5	Reported in Gallons

DP

MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL & HAZARDOUS MATERIALS REPORT FORM

Spill Number A - 225 - 95

SUBJECT / OWNER OR OPERATOR

Name (Last, First, MI): POMEROY; LUCIEN

Address: RR1; BOX 981 Town: LIVERMORE FALLS

State: ME Zip: 04254 Telephone: (207) 897-6071

Comments: 5 TANKS REMOVED WITHOUT REMOVAL NOTICE

LOCATION / FACILITY INFORMATION

Spill Location: POMEROY; LUCIEN

Address: RR1; BOX 981; ROUTE 17 Location ID: 21378

Town: LIVERMORE FALLS Zip: 04254

Latitude N: / / Longitude W: / /

SPILL / EVENT INFORMATION

Spill Type: E (Table A) Amount Spilled: 0.00 G (Gals, Yds3, Lbs or Bbls)

Product Reported Spilled: 02 (Table B) Product Actually Found: 00 (Table B)

Date Of Spill: Time Of Spill: (Military)

Date Reported: May. 31, 1995 Time Reported: 1530 (Military)

Cause Of Spill: 17 (Table C) Detection Method: 2 J (Table D)

Incident Code: B - SF - G - U (Table E)

DEP response time involved: 3.3 Wells At Risk: 0 Wells Impacted:

Investigators' names : CORR, MARY Mjam

PERSON REPORTING EVENT

Name (Last, First, MI): POMEROY; LUCIEN

Address: RR1; BOX 981 Town: LIVERMORE FALLS

State: ME Zip Code: 04254 Telephone: (207) 897-6071

CLEAN-UP INFORMATION

Spill Number A - 225 - 95

Total Product Recovered : (Gals, Yds3, Lbs, Tons or Bbls)

Method of Recovery :

Non Recyclable : (Gals, Tons or Bbls)

Solids Combustible : (Yds3 or Tons)

Solids Non Combustible : Yds3

Recyclable : (Gals, Yds3, Lbs, Tons or Bbls)

Number Filters Installed : 0

Number Aerators Installed : 0

Disposal Information :

OTHER ACTIONS

Expenditure (s) -	From Surface Water Fund	N	(Y or N)
	From Ground Water Fund	N	(Y or N)
	From Haz Waste Fund	N	(Y or N)
Third Party Damage Claim Expected		N	(Y or N)
Enforcement Referral		N	(Y or N)
Insurance Fund Claim		N	(Y or N)
Tech Services Referral		N	(Y or N)

UNDERGROUND TANKS INFORMATION

UNO/UST Site Number	Tank Number	Size Of Tank	Tank Material	Tank Age	Piping Material	Tank Status
13800 _	1	500	A	8	A	AB
13801 _	1	500	A	8	A	AB
13796 _	1	500	A	8	A	AB
13799 _	1	500	A	8	A	AB
5795 _	1	500	A	8	A	AB

Please use separate sheets of paper, as needed, for your detailed Recommendations and Spill Narrative. Remember to include/attach directions to find spill site (with a map if possible), all observations made, clean up actions performed and photos (if taken).

Include known chemical names when report is about Hazardous Materials.

Please, document your information carefully. It may be needed for future reference or legal action.

SPILL REPORT
A-225-95

Subject: **Pomeroy's Mobile Home Park**
Location: **Livermore Falls**
Product spilled: **none**

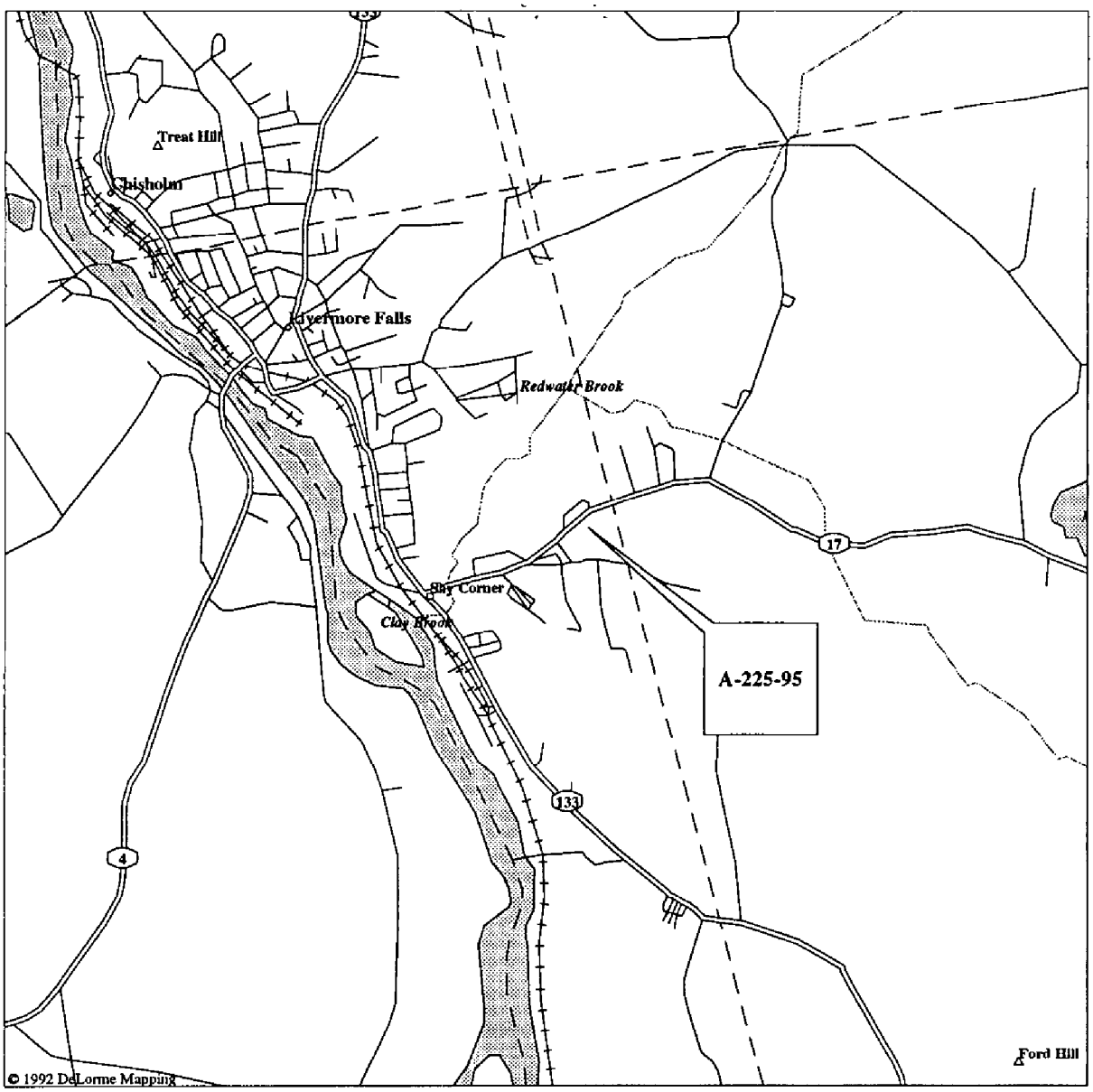
I was called by Ted Scharf to look into a call he received concerning the removal of a UST without first completing a removal notice. He reported that the individual involved would keep the excavation open until someone could investigate. I went to the site the same day. I found that three tanks had been removed that day, and two others in previous years. The tanks on lots 1, 3, and 4 were removed this year, the one on lot 2 a couple of years ago and from lot 5 last year. Apparently Lucien Pomeroy, the owner of the small park, had told residents that the tanks needed to be removed by 1997 and that it was their responsibility. One trailer owner explained that he was unaware that DEP needed to be notified. They had checked with both the local fire department and code enforcement officer. They only called DEP when a visitor explained that DEP must be involved. They appeared eager to do what was right. Mr. Pomeroy said he had gotten the letter from DEP but was unable to tell me even if all the tanks had been registered. After I showed him a removal notice and explained the need to complete one for any further excavation, He indicated that he probably had received some previously.

I inspected the three open excavations and two tanks that had been removed that day. The third tank had already been cut up. There was no evidence of any leak. I also inspected the tank from lot 4. This tank, as the others, was in excellent condition. I was informed that lot 2 was the same. One tank was currently in use as an AST, and one additional was planned to be used. I explained that this was unacceptable. Ted Scharf will put this in a letter to Mr. Pomeroy

Ted also learned that one additional tank had been removed by Mr. Pomeroy's son at a nearby lot. I have no firsthand knowledge of that site or tank.

There is one additional tank to be removed at the park. I believe that Mr. Pomeroy understands the need for a removal notice and will inform the owner of the trailer.

No further action is anticipated.



LEGEND

- State route
- Marker
- Small town
- Hill
- Boundary
- Road
- State highway
- Railroad
- River
- Powerline
- Shoreline
- Open water

Scale 1:31,250 (at center)

2000 Feet

1000 Meters

Mag 14.00
Tue Jun 13 13:29:42 1995

Corr, Mary

From: Scharf, Ted
To: Corr, Mary
Subject: Pomeroy
Date: Thursday, June 01, 1995 11:24AM

I talked with Lucien Pomeroy. He is something else. I got some info on the different tanks

13800 was removed summer 1993.
13801 was removed summer 1993.
13796 was removed 5/31/95.
13799 was removed 5/31/95.
5795 was removed summer 1993. It is registered to Donald Pomeroy , Lucien's son.
13798 is still in the ground. Owned by Harry Barney RR1 Box 910 Livermore Falls 04254 207-897-4487

I will update all the registrations. When you get around to the spill report could you put it in the various files.
I an also sending Harry Barney info on the removal and who can install a new tank when they get around to it. I spoke with the wife Lorain and there is no question she will not have a tank above ground.

Thanks for your help

MAINE DEPARTMENT OF ENVIRONMENT PROTECTION
OIL & HAZARDOUS MATERIALS REPORT

Spill Number: A-704-2002

Report Status: Final Report

MCD Town: LIVERMORE FALLS
Local Name: LIVERMORE FALLS
Primary Responder: DANIEL E DAVIS
Primary Product: #1 Fuel Oil - Kerosene {01} - 5 gals. ESTIMATE
Subject/Owner: -PEARLE I HINKLEY-

I. EVENT

Spill Info

Type: Oil Incident {O}
Source: Equipment - Light {SM}
Cause: Mechanical Failure - Gasket/Seal {22}

Spill Date/Time

Date and Time Unknown

Reporter Type/Detection Method

Type: Citizen Complaint {3}
Method: Odor/Vapor/Mist {H}

Reported Date/Time

12/03/2002 14:30

Subject/Owner (Potential Responsible Party)

Contact: PEARLE I. HINKLEY--
285 FAYETTE RD
LIVERMORE FALLS ME 04254 USA
207-897-6901
Comment:

Reporter

Contact: CHRIS PELLITIER--

ME USA
207-897-4093
Comment: (daughter of Mrs. Hinkley)

Primary Responder and Other Employees

DANIEL E DAVIS (Primary Responder)

No Further Response Action Expected

II. SITE

Location

Location Type: Residential - Single Family {SF}
Name: PEARLE HINKLEY
Street Address: 285 FAYETTE RD
MCD Town: LIVERMORE FALLS
Local Name: LIVERMORE FALLS
State/Province: ME

Spill Point

UTM North
UTM East

Wells and Media Affected

Wells Affected: 0 Wells Impacted / 0 Wells At Risk
Media Affected: Land{L}

Tanks Involved

Above Ground Tank(s) Involved-Tank Outside

III. CLEANUP

Product Reported

#1 Fuel Oil - Kerosene {01}

Cleanup DTREE

Products Found/Amount Spilled

#1 Fuel Oil - Kerosene {01}/ - 5 gals. ESTIMATE (Primary Product)

Material Recovered

Other Material {OM} - 50 lbs. ESTIMATE

Recovery/Treatment Method

Other {J}

Disposal Information

Debris disposed of by burner tech.

IV. NARRATIVE

Mrs. Pelletier's furnace oil pump failed which allowed oil to leak onto the floor of her trailer. Her burner tech. (whose name I don't recall) removed some of her carpet when he was there replacing her pump. The oil odors were reduced but were still bothersome. I couldn't find the specific site with my PID that was causing the odor. I turned it over to engineering tech services for a more thorough investigation.

V. ATTACHMENTS

Attachment Type	Description	File Name
Electronic Form	Expense Tracking	
Electronic Form	Referral to PATRICIA A LOCKLIN	

Spill Expenditure Tracking Form

I. TO: SHERRIE M. EDWARDS FROM: DAN DAVIS

DATE: 4/14/2003 12:00:00AM SPILL REPORT NUMBER: A-704-2002

TOWN WHERE SPILL OCCURRED:

Check one:	FINAL INVOICE		ADDENDUM		NEW	X

SUBJECT (check off below):

X	Individual Ability to Pay (IAPP) Candidate		AST/UST Fund Coverage Claim (approved)
X	Potential AST/UST Fund Coverage -- Applicant (waiting for determination)		Request Reimbursement
	Mystery Spill		Do not Requests Reimbursement (sttach memo with explanation)
			R.P. to be Determine

II. **NAME AND ADDRESS OF RESPONSIBLE PARTY:**

PEARLE HINKLEY

285 FAYETTE RD

LIVERMORE FALLS, ME 04254

Phone Number: 2078976901

III. TYPE OF PRODUCT SPILLED: #1 Fuel Oil - Kerosene

DATE OF SPILL: 10/13/2002 12:00:00AM

INVESTIGATOR: DAN DAVIS

IV. **ACCOUNT NUMBER(S):**

Recommended: 014.06A.1546.342 SURFACE FUND - CLEAN-UP
014.06A.1519.442 GWF - POTENTIAL & APPROVED AST CASES

CONTRACT NUMBER:

V. Please list contractor/vendor name or DEP stock item, invoice number, and amount of invoices.

SUMMARY OF ITEMS/SERVICES	COST
TOTAL OF INVOICES/SERVICES	

Spill Number: A-704-2002 Referral Date: 12/9/2002 12:00:00AM

Referral Type: Technical Services

To: PATRICIA A. LOCKLIN

From: DANIEL E. DAVIS

Referral:

Engineering referral

MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL & HAZARDOUS MATERIALS REPORT

Spill Number: A-705-2006

Report Status: Final Report

MCD Town: LIVERMORE FALLS
Local Name: LIVERMORE FALLS
Primary Responder: GLEN WALL
Primary Product: #1 Fuel Oil - Kerosene {01} - 100 gals. ESTIMATE
Subject/Owner: -WESLEY S WRIGHT-

I. EVENT

Spill Info

Type: Oil Incident {O}
Source: Storage Unit - Aboveground Storage Tank {TA}
Cause: Corrosion - Tank {01}

Spill Date/Time

12/10/2006 (Time Unknown)

Reporter Type/Detection Method

Type: Subject/Spiller {2}
Method: Visual Product {L}

Reported Date/Time

12/11/2006 12:30

Subject/Spiller (Potential Responsible Party)

Contact: WESLEY S. WRIGHT--
PO BOX 71
JAY ME 04239 USA
207-897-6844
Comment: also the home of Peggy Tracy

Reporter

Contact: RAYMOND THOMPSON--COMMUNITY CONCEPTS

ME USA
207-890-2319
Comment:

Other Contact

Contact: ELWOOD LEIGHTON-OWNER OF COMPANY-
10 KARN RD
LIVERMORE FALLS ME 04254 USA
207-897-6189
Comment:

Primary Responder and Other Employees

GLEN WALL (Primary Responder)

II. SITE

Location

Location Type: Residential - Single Family {SF}
Name: WESLEY WRIGHT
Street Address: 250 FAYETTE RD.
MCD Town: LIVERMORE FALLS
Local Name: LIVERMORE FALLS
State/Province: ME

Spill Point

UTM North
UTM East

Wells and Media Affected

Wells Affected: 0 Wells Impacted / 0 Wells At Risk
Media Affected: Land{L}

Tanks Involved

Above Ground Tank(s) Involved-Tank Outside

III. CLEANUP

Product Reported

#1 Fuel Oil - Kerosene {01}

Cleanup DTREE

Products Found/Amount Spilled

#1 Fuel Oil - Kerosene {01}/ - 100 gals. ESTIMATE (Primary Product)

Material Recovered

Contaminated Soil {CS} - 44.08 cu. yds. ACTUAL

Recovery/Treatment Method

Excavation {G}

Disposal Information

soil removed and transported to CPRC.

IV. NARRATIVE

On 12-11-2006 Community Concepts reported that an aboveground tank had failed at a home in Livermore Falls. The tank is located at the home of Peggy Tracy and Wesley Wright at 250 Fayette Rd. I arrived on site and found that their tank had a hole about the size of a dime on the bottom. It is estimated that 100 gallons of fuel was lost. Fuel had been delivered 3 days earlier.

We called Elwood Leighton (contractor) and he arrived that afternoon to check out the site. Soil removal commenced the next day. Several dump truck loads of oil contaminated soil were shuttled to Elwood's property. The site was backfilled and the oil contaminated soil was transported to Commercial Paving and Recycling the next day(s) (12-13 and 12-14).

The area is served by town water and there are no receptors at risk. I see no reason for further Response Services involvement.

V. ATTACHMENTS

Attachment Type	Description	File Name
Electronic Form	Expense Tracking	
Paper Attach	Clean-up Options Agreement	
Paper Attach	Generator Special Waste Processing Info...a CPRC form	
Paper Attach	OIL SPILL DEBRIS FORM....a DEP form	

Spill Expenditure Tracking Form

I. TO: SHERRIE M. EDWARDS FROM: _____

DATE: 12/19/2006 12:00:00AM SPILL REPORT NUMBER: A-705-2006

TOWN WHERE SPILL OCCURRED: LIVERMORE FALLS

Check one: FINAL INVOICE [ ] ADDENDUM [ ] NEW [X]

SUBJECT (check off below):

_____ Individual Ability to Pay (IAPP) Candidate

X Potential AST/UST Fund Coverage -- Applicant (waiting for determination)

_____ Mystery Spill

_____ AST/UST Fund Coverage Claim (approved)

_____ Request Reimbursement

_____ Do not Requests Reimbursement (sttach memo with explanation)

_____ R.P. to be Determinec

II. **NAME AND ADDRESS OF RESPONSIBLE PARTY:**

WESLEY S. WRIGHT

PO BOX 71

250 FAYETTE RD, LIVERMORE FALLS

JAY, ME 04239 USA

Phone Number: 207-897-6844

III. TYPE OF PRODUCT SPILLED: #1 Fuel Oil - Kerosene

DATE OF SPILL: 12/10/2006 12:00:00AM

INVESTIGATOR: GLEN WALL

IV. **ACCOUNT NUMBER(S):**

Recommended: 014.06A.1519.442 GWF - POTENTIAL & APPROVED AST CASES

014.06A.1519.442 GWF - POTENTIAL & APPROVED AST CASES

CONTRACT NUMBER: _____

V. Please list contractor/vendor name or DEP stock item, invoice number, and amount of invoices.

SUMMARY OF ITEMS/SERVICES	COST
TOTAL OF INVOICES/SERVICES	

CP Closes @ 4 PM.

Department of Environmental Protection
CLEAN-UP OPTIONS AGREEMENT

Facility Name: Wesley Wright Address: 250 Fayette Rd,

Owner: Same as above

Registration #: NA DEP Spill #: A-705-2006

☑ 1. I (potential Insurance Fund applicant) choose to have the Department manage the clean-up of my property and pay directly all the costs incurred in relation to said clean-up. I understand the Department will be responsible for hiring/firing and paying all contractors/consultants for all work considered to be clean-up pursuant to 38 M.R.S.A. § 568-A, et seq., from this point forth. I further understand that by choosing this option I am relinquishing the responsibility of managing the clean-up at this site to the Department. I also understand I may be responsible for any expenses incurred by the Department that is not considered eligible clean-up expenses.

☐ 2. I (potential Insurance Fund applicant) choose to accept responsibility for managing the clean-up of this site to the clean-up standards established by the Department. I understand I will be responsible for hiring/firing, paying, and overseeing all contractors/consultants conducting work on-site, with the Department retaining the responsibility and authority of review and approval of all work conducted on site. I further understand I will be responsible for paying all contractors/consultants and remitting copies of invoices paid, along with copies of the canceled checks, to the Department for reimbursement of eligible clean-up expenses. I also understand I may be responsible for any expenses incurred by me or the Department that are not considered eligible clean-up expenses by the Department pursuant to 38 M.R.S.A. § 568-A.

Wesley Wright 12/11/06

Owner or Representative Date

Print Owner or Representative's Name

Glen Walsh 12/11/06

Department Staff Person Date

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, ME 04333-0017
(207) 287-7800 FAX: (207)287-7939

BANGOR
106 HOGAN ROAD
BANGOR, ME 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, ME 04103
(207) 822-6300 FAX: (207)822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, ME 04769-2094
(207) 764-0477 FAX: (207) 764-1507

A-705-2006

COMMERCIAL PAVING & RECYCLING COMPANY

Old-Fashioned Quality
Journeys Into The Future

2 Gibson Road, Scarborough, ME 04074
Ph: 207-883-3325 · Fax: 207-883-1121
info@cprcs.com · www.cprcs.com

GENERATOR SPECIAL WASTE PROCESSING INFORMATION

I GENERATOR INFORMATION:

a) Generator Wesley Wright Contact
Address Route 17, 250 Fayette Road, Livermore Falls, ME Phone #
b) Process Generating the Waste AST leak
c) Site of Generation same as generator
d) Contracting Firm MEDEP - Augusta Contact Glen Wall
Address 17 State House Station, Augusta, ME 04333 Phone # 287-7800
e) DEP On Site Representative Glen Wall Spill # A-705-2006

II PROCESSING INFORMATION:

a) Type of Waste Material Processed Virgin Petroleum Containing Soil
b) Amount of Waste Received Cu Yds 44.08 Tons
Date Waste Received 12/13 & 12/14/06
c) Amount of additional Material Needed Cu Yds Tons
d) Total Amount of Material Processed Cu Yds 44.08 Tons
e) Date Processed 12/28/06
f) Processing Site Commercial Paving & Recycling Co., LLC, Scarborough, Maine
g) Stockpile Site for Processed Material CPRC, Scarborough, Maine
Amount of Waste Material Stockpiled Cu Yds 44.08 Tons
Date Waste Material Stockpiled 12/28/06
h) Final Disposition of Processed Material Stockpiled
Amount of Processed Material Cu Yds 44.08 Tons
Date of Final Disposition 12/28/06
i) CPRC Job # 3500588

III WASTE CHARACTERIZATION:

Stockpiled material to be beneficially reused as a paving or construction fill product.

Maria Montagna
(Signature)

Compliance Coordinator
(Title)

Attach a Copy of MEDEP Spill Letter

A-705-2006

OIL SPILL DEBRIS FORM

Date 12/12/06 DEP SPILL # A-705-2006

GENERATOR Wesley Wright, 250 Fayette Rd, Livermore Falls

TRANSPORTER Elwood Leighton, Livermore Falls

Send BILL to DEP

REFERENCE: SHIPMENT OF OIL SPILL DEBRIS

ON 12/12/06 (date) Glen Wall (DEP representative) OBSERVED THE

clean up of oil spill debris at Wesley Wright home (location)

on Route 17 @ 250 Fayette Rd, Livermore Falls

which resulted from Leak from AST (description of incident)

This shipment consists of ± 50 (quantity) yards

and/or 2 drums of solid contaminated with

Kerosene (contaminant)

Solids consist of (check as appropriate)

- X sand, gravel or soil
- ___ speedy-dri
- ___ sorbent
- ___ other ___ (descibe or lists)

Facility is (check One)

- ___ Landfill
- ___ Land Spreading Site
- ___ Asphalt Plant
- X Asphalt Pug Mill CP/CRS
- ___ other ___ (describe)

Glen Wall
Signature- DEP Representative

X Maria Montague
Signature-Facility Representative

Return To
Attn: Glen Wall
State of Maine -DEP- Response Bldg.
17 State House Station
Augusta ME 04333-0017

white - DEP Representative
Pink - Generator

Canary - Transporter
Goldenrod - Receiving facility

9 x 12 x 11

MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL & HAZARDOUS MATERIALS REPORT

Spill Number: **A-755-2014**

Report Status: Final Report

MCD Town: LIVERMORE FALLS
Local Name: LIVERMORE FALLS
Primary Responder: GLEN WALL
Primary Product: #1 Fuel Oil - Kerosene {01} - 0.25 gals. ESTIMATE
Subject/Owner: -MR. ROBINSON-

I. EVENT

Spill Info

Type: Oil Incident {O}
Source: Storage Unit - Aboveground Storage Tank {TA}
Cause: Mechanical Failure - Loose Fitting {08}

Spill Date/Time

Date and Time Unknown

Reporter Type/Detection Method

Type: Contractor/Consultant {6}
Method: Visual Product {L}

Reported Date/Time

11/26/2014 10:55

Subject/Spiller (Potential Responsible Party)

Contact: MR. ROBINSON--
232 FAYETTE ROAD, LOT 1
LIVERMORE FALLS ME 04254 USA
Comment:

Reporter

Contact: --T & K HEATING SERVICE
670 MANCHESTER ROAD
BELGRADE ME 04917 USA
207-215-4175
Comment:

Primary Responder and Other Employees

GLEN WALL (Primary Responder)

II. SITE

Location

Location Type: Residential - Single Family {SF}
Name: ROBINSON HOME
Street Address: 232 FAYETTE ROAD LOT ONE
MCD Town: LIVERMORE FALLS
Local Name: LIVERMORE FALLS
State/Province: ME

Spill Point

UTM North
UTM East

Wells and Media Affected

Wells Affected: 0 Wells Impacted / 0 Wells At Risk
Media Affected: Land{L}

Tanks Involved

Above Ground Tank(s) Involved-Tank Outside

III. CLEANUP

Product Reported

#1 Fuel Oil - Kerosene {01}

Cleanup DTREE

Products Found/Amount Spilled

#1 Fuel Oil - Kerosene {01}/ - 0.25 gals. ESTIMATE (Primary Product)

Material Recovered

Contaminated Soil {CS} - 10 lbs. ESTIMATE

Recovery/Treatment Method

Excavation {G}

Disposal Information

Soil disposal by Maine Department of Environmental Protection.

IV. NARRATIVE

Tracy Markham of T & K Heating Service reported that one of his customers had a slight oil leak. This spill is located at 232 Fayette Road in the town of Livermore Falls. The outside tank had developed a drip in the area of the filter assembly. I made a site visit and met with the owner, Mr. Robinson. The spill was minor in size and a small amount of soil and leaves were removed.

Mr. Robinson was somewhat interested in using a different fuel source, other than kerosene. I made a few phone calls to the Maine Department of Environmental Protection (MDEP) staff and asked about propane. At the time of my phone call, the rules were such that if a new furnace was purchased by a government agency, then the fuel choice had to be the same. Many months after my site visit, the MDEP policy on oil tank replacement vs. propane installation changed. In any event, the spill was cleaned up. No further action by the Division of Response Services is expected at this time.

V. ATTACHMENTS

Attachment Type	Description	File Name

APPENDIX E

INTERVIEW DOCUMENTATION

SME
SEVEE & MAHER
ENGINEERS

1685	DUMP FIELD #8	ANDROSCOGGIN	2 Acres
LAB NO.	SAMPLE IDENTIFICATION	COUNTY	ACRES OR SQ. FT.

· SOIL TEST REPORT FOR:

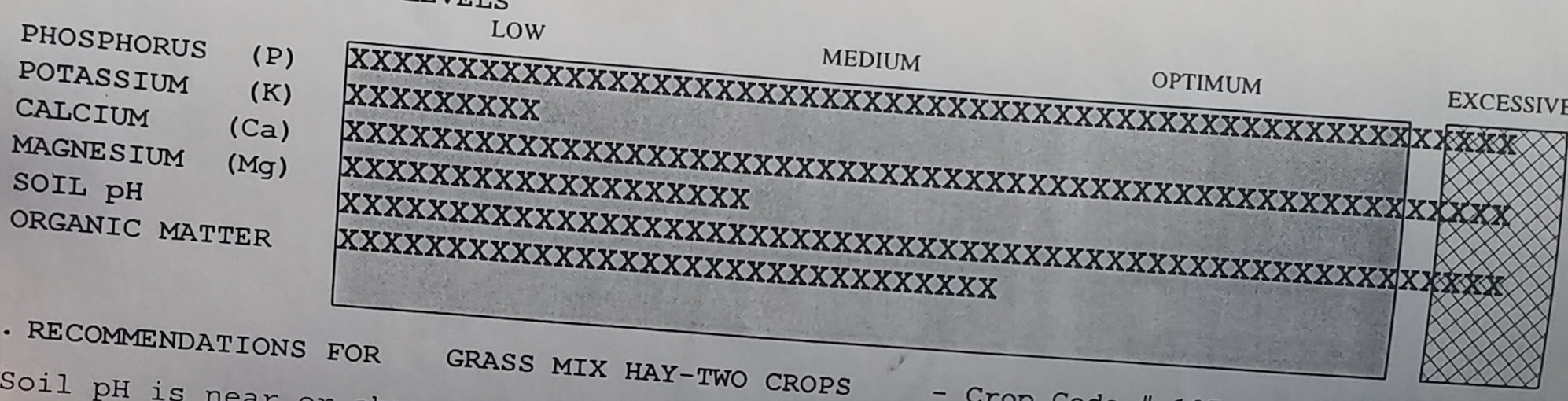
TOWN OF LIVERMORE FALLS

2 MAIN ST

LIVERMORE FALLS ME 04254

MAINE SOIL TESTING SERVICE
UNIVERSITY OF MAINE
5722 DEERING HALL
ORONO,MAINE 04469-5722

· RELATIVE SOIL TEST LEVELS



· RECOMMENDATIONS FOR GRASS MIX HAY-TWO CROPS - Crop Code # 105

Soil pH is near or above the optimum level for this crop. No lime recommended.

To improve the magnesium level, use a magnesium lime when lime is needed again.
Recommended major nutrient application rates as follows:

120 pounds nitrogen per acre
0 pounds phosphate per acre
200 pounds potash per acre

Apply 80 lb nitrogen in early spring.
Apply 40 lb nitrogen before each additional cut or grazing.
P and K requirements can be split or applied all at once.

Notes on dairy forage potassium: Any potash fertilizer recommended is for forage grown for lactating cows. Ideally, 8 - 10 % of your hay ground should be kept at a low-medium K test level to maintain forage level at or below 2 % K. Hay grown on this ground should be stored separately and fed to dry cows starting at least one month prepartum.

· LABORATORY RESULTS

CEC and nutrient balance calculations are based on present pH of 7.1

	Soil pH	Lime Index	P (lb/A)	K (lb/A)	Mg (lb/A)	Ca (lb/A)	CEC (me/100gm)	K	Mg (% Saturation)	Ca (% Saturation)	Acidity
Level Found	7.1	0.0	59.9	69	190	5595	13.7(A)	0.7	5.7	93.7	0.0
Optimum Range	6.5-7.0	N/A	10-40	see % Saturation levels			> 5	2.8-4.0	10-25	60-80	< 10

	Organic Matter (%)	Zinc (ppm)	Sodium (ppm)	Soluble Salts (mmhos/cm)	Nitrate-N (ppm)
Level Found	4.9	N/A	N/A	N/A	N/A
Optimum Range	5 - 8				

Additional Results

05/04/99	1690	NTCH FLD #5	ANDROSCOGGIN	8 Acres
DATE	LAB NO.	SAMPLE IDENTIFICATION	COUNTY	ACRES OR SQ. FT.

. SOIL TEST REPORT FOR:

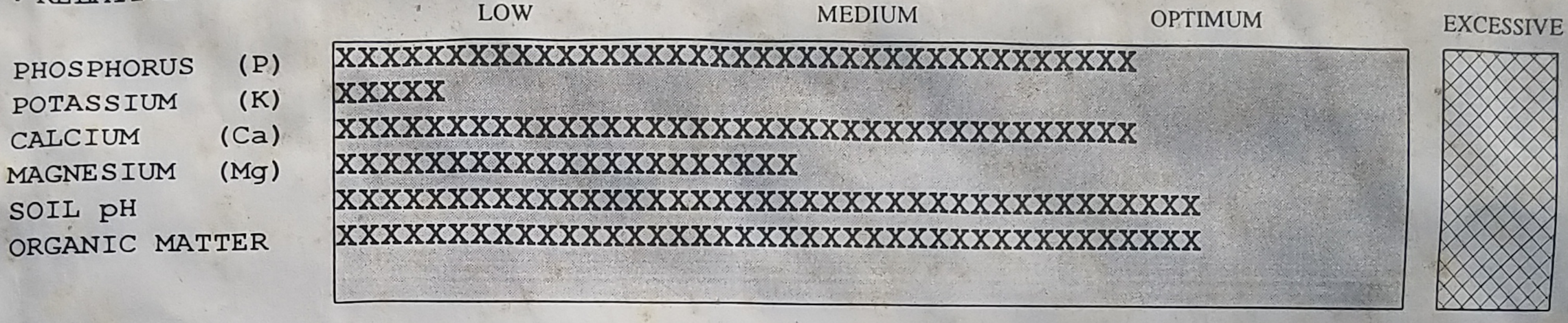
TOWN OF LIVERMORE FALLS

2 MAIN ST

LIVERMORE FALLS ME 04254

MAINE SOIL TESTING SERVICE
UNIVERSITY OF MAINE
5722 DEERING HALL
ORONO,MAINE 04469-5722

. RELATIVE SOIL TEST LEVELS



. RECOMMENDATIONS FOR GRASS MIX HAY-TWO CROPS - Crop Code # 105

To raise soil pH to 7.0, apply 4000 pounds of lime per acre.

Lime recommendation assumes a calcium carbonate equivalence (neutralizing value) of 100 %.
To meet crop magnesium requirement, use a magnesium lime.
Recommended major nutrient application rates as follows:

120 pounds nitrogen per acre
60 pounds phosphate per acre
200 pounds potash per acre

Apply 80 lb nitrogen in early spring.
Apply 40 lb nitrogen before each additional cut or grazing.
P and K requirements can be split or applied all at once.

Notes on dairy forage potassium: Any potash fertilizer recommended is for forage grown for lactating cows. Ideally, 8 - 10 % of your hay ground should be kept at a low-medium K test level to maintain forage level at or below 2 % K. Hay grown on this ground should be stored separately and fed to dry cows starting at least one month prepartum.

. LABORATORY RESULTS

CEC and nutrient balance calculations assume a pH management level of 7.0

	Soil pH	Lime Index	P (lb/A)	K (lb/A)	Mg (lb/A)	Ca (lb/A)	CEC (me/100gm)	K	Mg (% Saturation)	Ca	
Level Found	6.4	6.9	16.2	42	202	3529	13.6	0.4	6.1	64.6	28
Optimum Range	6.5-7.0	N/A	10-40	see % Saturation levels			> 5	2.8-4.0	10-25	60-80	<

	Organic Matter (%)	Zinc (ppm)	Sodium (ppm)	Soluble Salts (mmhos/cm)	Nitrate-N (ppm)
Level Found	6.4	N/A	N/A	N/A	N/A
Optimum Range	5 - 8				

Additional Results

DATE	LAB NO.	SAMPLE IDENTIFICATION	COUNTY	ACRES OR SQ. FT.
4/29	1687	BAMFORD FIELD #2	ANDROSCOGGIN	4 Acres

MAINE SOIL TESTING SERVIC

UNIVERSITY OF MAINE
5722 DEERING HALL
ORONO,MAINE 04469-5722

· SOIL TEST REPORT FOR:

TOWN OF LIVERMORE FALLS
2 MAIN ST
LIVERMORE FALLS ME 04254

· RELATIVE SOIL TEST LEVELS

	LOW	MEDIUM	OPTIMUM	EXCESSIVE
PHOSPHORUS (P)	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
POTASSIUM (K)	XXXXXXXX			
CALCIUM (Ca)	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
MAGNESIUM (Mg)	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
SOIL pH	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
ORGANIC MATTER	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			

· RECOMMENDATIONS FOR GRASS MIX HAY-TWO CROPS - Crop Code # 105

To raise soil pH to 7.0, apply 4500 pounds of lime per acre.

Lime recommendation assumes a calcium carbonate equivalence (neutralizing value) of 100 %.
To meet crop magnesium requirement, use a magnesium lime.
Recommended major nutrient application rates as follows:
120 pounds nitrogen per acre
70 pounds phosphate per acre
200 pounds potash per acre

Apply 80 lb nitrogen in early spring.
Apply 40 lb nitrogen before each additional cut or grazing.
P and K requirements can be split or applied all at once.

Limit lime topdress rate to 4000 lb/A in any one year.

Notes on dairy forage potassium: Any potash fertilizer recommended is for forage grown for lactating cows. Ideally, 8 - 10 % of your hay ground should be kept at a low-medium K test level to maintain forage level at or below 2 % K. Hay grown on this ground should be stored separately and fed to dry cows starting at least one month prepartum.

· LABORATORY RESULTS

CEC and nutrient balance calculations assume a pH management level of 7.0

	Soil pH	Lime Index	P (lb/A)	K (lb/A)	Mg (lb/A)	Ca (lb/A)	CEC (me/100gm)	K	Mg	Ca	Acidity
Level Found	6.4	6.8	8.7	60	327	2968	13.4	0.6	10.0	55.0	34.3
Optimum Range	6.5-7.0	N/A	10-40	see % Saturation levels			> 5	2.8-4.0	10-25	60-80	< 10
								(% Saturation)			

	Organic Matter (%)	Zinc (ppm)	Sodium (ppm)	Soluble Salts (mmhos/cm)	Nitrate-N (ppm)
Level Found	6.5	N/A	N/A	N/A	N/A
Optimum Range	5 - 8				

Additional Results

DATE	LAB NO.	SAMPLE IDENTIFICATION	COUNTY	ACRES OR SQ. FT.
[illegible]/99	1686	AUSTIN FIELD #3	ANDROSCOGGIN	4 Acres

. SOIL TEST REPORT FOR:

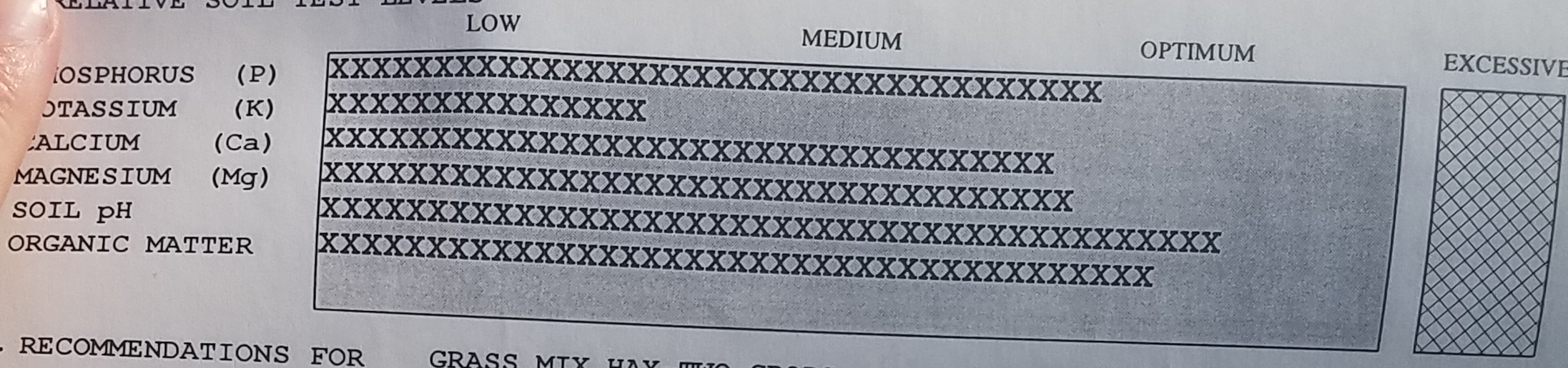
TOWN OF LIVERMORE FALLS

2 MAIN ST

LIVERMORE FALLS ME 04254

MAINE SOIL TESTING SERVIC
UNIVERSITY OF MAINE
5722 DEERING HALL
ORONO,MAINE 04469-5722

RELATIVE SOIL TEST LEVELS



. RECOMMENDATIONS FOR GRASS MIX HAY-TWO CROPS - Crop Code # 105

To raise soil pH to 7.0, apply 3500 pounds of lime per acre.

Lime recommendation assumes a calcium carbonate equivalence *(neutralizing value) of 100 %.*
To meet crop magnesium requirement, use a magnesium lime.
Recommended major nutrient application rates as follows:

120 pounds nitrogen per acre
60 pounds phosphate per acre
200 pounds potash per acre

Apply 80 lb nitrogen in early spring.
Apply 40 lb nitrogen before each additional cut or grazing.
P and K requirements can be split or applied all at once.

Notes on dairy forage potassium: Any potash fertilizer recommended is for forage grown for lactating cows. Ideally, 8 - 10 % of your hay ground should be kept at a low-medium test level to maintain forage level at or below 2 % K. Hay grown on this ground should be stored separately and fed to dry cows starting at least one month prepartum.

. LABORATORY RESULTS

CEC and nutrient balance calculations assume a pH management level of 7.0

Level Found	6.5	6.9	16.0	124	356	3296	13.5	1.2	10.9	60.9
	Soil pH	Lime Index	P (lb/A)	K (lb/A)	Mg (lb/A)	Ca (lb/A)	CEC (me/100gm)	K	Mg (% Saturation)	Ca
Optimum Range	6.5-7.0	N/A	10-40	see % Saturation levels			> 5	2.8-4.0	10-25	60-80

Level Found	6.2	N/A	N/A	N/A	N/A
	Organic Matter (%)	Zinc (ppm)	Sodium (ppm)	Soluble Salts (mmhos/cm)	Nitrate-N (ppm)
Optimum Range	5 - 8				

Additional Results

04/99	1689	RYE FLD #4	ANDROSCOGGIN	8 Acres
DATE	LAB NO.	SAMPLE IDENTIFICATION	COUNTY	ACRES OR SQ. FT.

· SOIL TEST REPORT FOR:

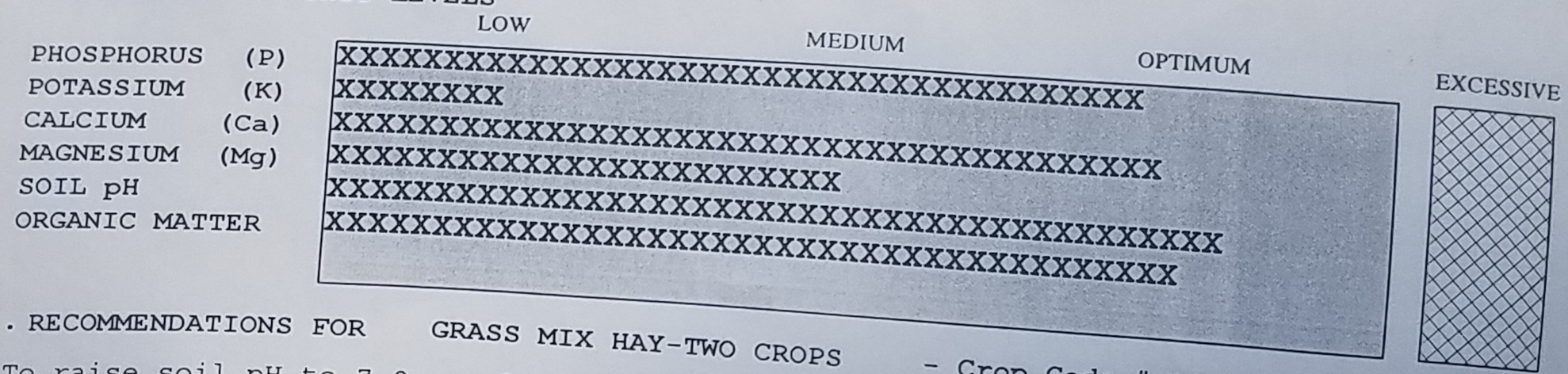
TOWN OF LIVERMORE FALLS

2 MAIN ST

LIVERMORE FALLS ME 04254

MAINE SOIL TESTING SERVICE
UNIVERSITY OF MAINE
5722 DEERING HALL
ORONO,MAINE 04469-5722

· RELATIVE SOIL TEST LEVELS



· RECOMMENDATIONS FOR GRASS MIX HAY-TWO CROPS - Crop Code # 105

To raise soil pH to 7.0, apply 3500 pounds of lime per acre.

Lime recommendation assumes a calcium carbonate equivalence (neutralizing value) of 100 %.
To meet crop magnesium requirement, use a magnesium lime.
Recommended major nutrient application rates as follows:

120 pounds nitrogen per acre
60 pounds phosphate per acre
200 pounds potash per acre

Apply 80 lb nitrogen in early spring.
Apply 40 lb nitrogen before each additional cut or grazing.
P and K requirements can be split or applied all at once.

Notes on dairy forage potassium: Any potash fertilizer recommended is for forage grown for lactating cows. Ideally, 8 - 10 % of your hay ground should be kept at a low-medium K test level to maintain forage level at or below 2 % K. Hay grown on this ground should be stored separately and fed to dry cows starting at least one month prepartum.

· LABORATORY RESULTS

CEC and nutrient balance calculations assume a pH management level of 7.0

Level Found	6.5	6.9	19.4	74	248	3835	14.3	0.6	7.1	66.8	25.5
	Soil pH	Lime Index	P (lb/A)	K (lb/A)	Mg (lb/A)	Ca (lb/A)	CEC (me/100gm)	K	Mg	Ca	Acidity
Optimum Range	6.5-7.0	N/A	10-40	see % Saturation levels			> 5	2.8-4.0	10-25	60-80	< 10
									(% Saturation)		

Level Found	6.4	N/A	N/A	N/A	N/A
	Organic Matter (%)	Zinc (ppm)	Sodium (ppm)	Soluble Salts (mmhos/cm)	Nitrate-N (ppm)
Optimum Range	5 - 8				

Additional Results

DATE	LAB NO.	SAMPLE IDENTIFICATION	COUNTY	ACRES OR SQ. FT.
04/99	1688	HANGER FLD #1	ANDROSCOGGIN	4 Acres

. SOIL TEST REPORT FOR:

TOWN OF LIVERMORE FALLS

2 MAIN ST

LIVERMORE FALLS ME 04254

MAINE SOIL TESTING SERVICE
UNIVERSITY OF MAINE
5722 DEERING HALL
ORONO,MAINE 04469-5722

. RELATIVE SOIL TEST LEVELS

	LOW / MEDIUM / OPTIMUM	EXCESSIVE
PHOSPHORUS (P)	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
POTASSIUM (K)	XXXXX	
CALCIUM (Ca)	XXXXXXXXXXXXXXXXXXXXX	
MAGNESIUM (Mg)	XXXXXXXXXXXXXXXXXXXXXX	
SOIL pH	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
ORGANIC MATTER	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	

. RECOMMENDATIONS FOR GRASS MIX HAY-TWO CROPS - Crop Code # 105

To raise soil pH to 7.0, apply 6500 pounds of lime per acre.

Lime recommendation assumes a calcium carbonate equivalence (neutralizing value) of 100 %.
To meet crop magnesium requirement, use a magnesium lime.
Recommended major nutrient application rates as follows:

120 pounds nitrogen per acre
70 pounds phosphate per acre
200 pounds potash per acre

Apply 80 lb nitrogen in early spring.
Apply 40 lb nitrogen before each additional cut or grazing.
P and K requirements can be split or applied all at once.

Limit lime topdress rate to 4000 lb/A in any one year.

Notes on dairy forage potassium: Any potash fertilizer recommended is for forage grown for lactating cows. Ideally, 8 - 10 % of your hay ground should be kept at a low-medium K test level to maintain forage level at or below 2 % K. Hay grown on this ground should be stored separately and fed to dry cows starting at least one month prepartum.

. LABORATORY RESULTS

CEC and nutrient balance calculations assume a pH management level of 7.0

	Soil pH	Lime Index	P (lb/A)	K (lb/A)	Mg (lb/A)	Ca (lb/A)	CEC (me/100gm)	K (% Saturation)	Mg (% Saturation)	Ca (% Saturation)	Acidity
Level Found	6.2	6.6	11.3	45	232	2527	13.8	0.4	6.8	45.4	47.3
Optimum Range	6.5-7.0	N/A	10-40	see % Saturation levels			> 5	2.8-4.0	10-25	60-80	< 10

	Organic Matter (%)	Zinc (ppm)	Sodium (ppm)	Soluble Salts (mmhos/cm)	Nitrate-N (ppm)
Level Found	5.9	N/A	N/A	N/A	N/A
Optimum Range	5 - 8				

Additional Results

1685	DUMP FIELD #8	ANDROSCOGGIN	2 Acres
LAB NO.	SAMPLE IDENTIFICATION	COUNTY	ACRES OR SQ. FT.

· SOIL TEST REPORT FOR:

TOWN OF LIVERMORE FALLS

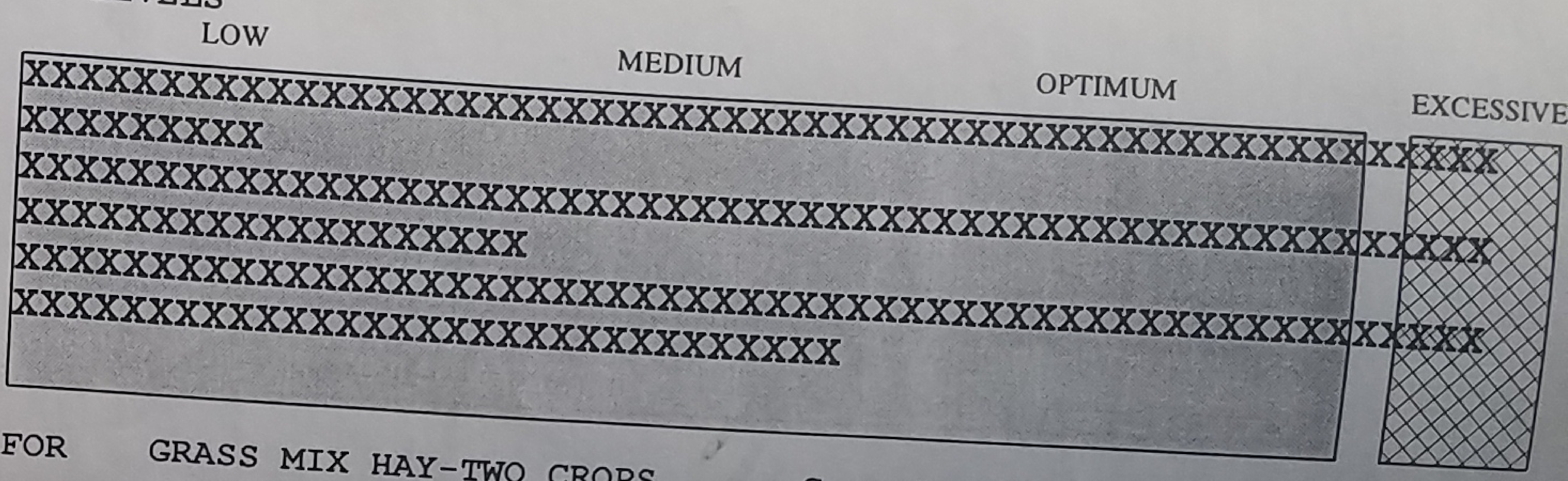
2 MAIN ST

LIVERMORE FALLS ME 04254

MAINE SOIL TESTING SERVIC
UNIVERSITY OF MAINE
5722 DEERING HALL
ORONO,MAINE 04469-5722

· RELATIVE SOIL TEST LEVELS

PHOSPHORUS (P)
POTASSIUM (K)
CALCIUM (Ca)
MAGNESIUM (Mg)
SOIL pH
ORGANIC MATTER



· RECOMMENDATIONS FOR GRASS MIX HAY-TWO CROPS - Crop Code # 105

Soil pH is near or above the optimum level for this crop. No lime recommended.

To improve the magnesium level, use a magnesium lime when lime is needed again.
Recommended major nutrient application rates as follows:
120 pounds nitrogen per acre
0 pounds phosphate per acre
200 pounds potash per acre

Apply 80 lb nitrogen in early spring.
Apply 40 lb nitrogen before each additional cut or grazing.
P and K requirements can be split or applied all at once.

Notes on dairy forage potassium: Any potash fertilizer recommended is for forage grown for lactating cows. Ideally, 8 - 10 % of your hay ground should be kept at a low-mediu K test level to maintain forage level at or below 2 % K. Hay grown on this ground should be stored separately and fed to dry cows starting at least one month prepartum.

.LABORATORY RESULTS

CEC and nutrient balance calculations are based on present pH of 7.1

	Soil pH	Lime Index	P (lb/A)	K (lb/A)	Mg (lb/A)	Ca (lb/A)	CEC (me/100gm)	K	Mg	Ca (% Saturation)
Level Found	7.1	0.0	59.9	69	190	5595	13.7(A)	0.7	5.7	93.7
Optimum Range	6.5-7.0	N/A	10-40	see % Saturation levels			> 5	2.8-4.0	10-25	60-80

	Organic Matter (%)	Zinc (ppm)	Sodium (ppm)	Soluble Salts (mmhos/cm)	Nitrate-N (ppm)
Level Found	4.9	N/A	N/A	N/A	N/A
Optimum Range	5 - 8				

<u>Additional Results</u>

DATE	LAB NO.	SAMPLE IDENTIFICATION	COUNTY	ACRES OR SQ. FT.
[illegible]/22	1686	AUSTIN FIELD #3	ANDROSCOGGIN	4 Acres

. SOIL TEST REPORT FOR:

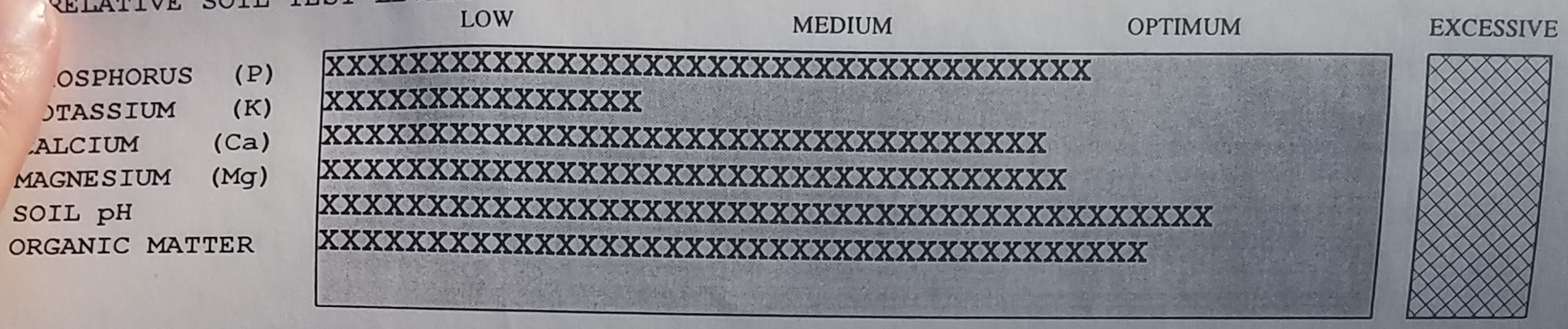
TOWN OF LIVERMORE FALLS

2 MAIN ST

LIVERMORE FALLS ME 04254

MAINE SOIL TESTING SERVICE
UNIVERSITY OF MAINE
5722 DEERING HALL
ORONO,MAINE 04469-5722

RELATIVE SOIL TEST LEVELS



. RECOMMENDATIONS FOR GRASS MIX HAY-TWO CROPS - Crop Code # 105

To raise soil pH to 7.0, apply 3500 pounds of lime per acre.

Lime recommendation assumes a calcium carbonate equivalence *(neutralizing value) of 100 %.*
To meet crop magnesium requirement, use a magnesium lime.

Recommended major nutrient application rates as follows:

120 pounds nitrogen per acre
60 pounds phosphate per acre
200 pounds potash per acre

Apply 80 lb nitrogen in early spring.
Apply 40 lb nitrogen before each additional cut or grazing.
P and K requirements can be split or applied all at once.

Notes on dairy forage potassium: Any potash fertilizer recommended is for forage grown for lactating cows. Ideally, 8 - 10 % of your hay ground should be kept at a low-medium test level to maintain forage level at or below 2 % K. Hay grown on this ground should be stored separately and fed to dry cows starting at least one month prepartum.

. LABORATORY RESULTS

CEC and nutrient balance calculations assume a pH management level of 7.0

Level Found	6.5	6.9	16.0	124	356	3296	13.5	1.2	10.9	60.9	27.0
	Soil pH	Lime Index	P (lb/A)	K (lb/A)	Mg (lb/A)	Ca (lb/A)	CEC (me/100gm)	K	Mg	Ca	Acidity
								(% Saturation)			
Optimum Range	6.5-7.0	N/A	10-40	see % Saturation levels			> 5	2.8-4.0	10-25	60-80	< 10

Level Found	6.2	N/A	N/A	N/A	N/A
	Organic Matter (%)	Zinc (ppm)	Sodium (ppm)	Soluble Salts (mmhos/cm)	Nitrate-N (ppm)
Optimum Range	5 - 8				

Additional Results

INTERVIEW QUESTIONNAIRE
PHASE I ENVIRONMENTAL SITE ASSESSMENT

Property Name: Souther Road
Property Location: Souther Road, Livermore Falls, ME
Interview With: Harold Souther
Interview By: Laura DeVaudreuil
Date: 09/30/2019

FARMHOUSE 1820's

GENERAL SITE SETTINGS

1. What are current and past uses of:

A. Property: HAY CROPS & GARDEN & PASTURE - GRAZING - NO PESTICIDES ~~OR ETC~~ USE HERBICIDE FOR BED STRAW - COMMERCIAL FERTILIZER FARMING FOR ~200 YEARS 231218

B. Adjoining Properties: RURAL, RESIDENTIAL - ALWAYS ↳ UNTIL 1987 HAD POULTRY

C. Surrounding Area: FARMS RURAL ; LANDING FACTORY IN TOWN

2. Are any of the above uses likely to involve Hazardous Substances or Petroleum Products?
NONE, TYPICAL FARMHOUSE — LITTLE BIT MINOR IN GARDEN PESTICIDES. HERBICIDE FOR BEDSTRAW & DANDELIONS

3. Are there currently or have there been in the past any surface water bodies such as creeks or streams or other surface drainage on or adjacent to the property? CREEK ; 3 BLOW OUTS ; 2 AT DUMP ; FARM POND - MAN MADE 1956 ↳ not in 2019

4. Describe number, size and age of any structure on the property:
1820's - 1815-1825 NEW HOUSE 35 & 1940 MILKING BARN 1949

5. What is the source of potable water on the property? MUNICIPAL WATER SINCE ~1929 ELECTRIC IN 1933

6. What is the type and age of the sewage disposal system on the property? SEWER IN ~'30
HAVE ASYSTEM, CEMENT TANK ; TOWN SEPTIC HAVE CATCH BASINS & FILTER POND GRAVELLED ROAD IN 1947.

INTERIOR AND EXTERIOR OBSERVATIONS

7. Are there currently or have there been previously any storage tanks on the site?

A. Above and/or below ground: GAS TANK REMOVED ~10 12 YEARS AGO ON SOUTH SIDE SEPTIC ON SOUTH SIDE HAD A PUMP.

B. Vent or fill pipes: NO.

C. Contents/Capacities/Age:

8. Have you ever noticed any noxious odors on the property?
CHICKEN MANURE

9. Have you ever noticed any pools of liquid on the site?
   A. Standing Surface Water: SANDY LOAM - LOW SPOTS; BYPINE TREES ON NORTH
   B: Pools/Pits/Cisterns/Cesspools: BACKS UP WATER DRAINAGE DOES SO. - NOT FLOW SNOW RANDS
   C: Contents:
10. Have you ever noticed any drums and other containers that may have contained HS or PP on the property?
    NO.
11. Have there ever been any electrical or hydraulic equipment likely to contain PCB's on the property?
    NO; JUST CAP ON POLE

INTERIOR OBSERVATIONS

12. What type are HVAC system and fuel source? WOOD; O.L BACK UP; STEAM HEAT. WOOD FURNACE.
13. Have there ever been any stains, corrosion on floors, walls, or ceilings in structures of the property?
    NO BUILDS
14. Identify locations of any and all pits, cisterns, cesspools, or similar receptacles:
    —

EXTERIOR OBSERVATIONS

15. Are there any pits, ponds, or lagoons on the property? JUST FARM POND.
16. Are there any pits, ponds, or lagoons on abutting properties? NOT TO MY KNOWLEDGE.
17. Are there any stained soils or pavement on the property? NO.
18. Are there any stressed vegetation on the site? NO.
19. Is there any solid waste disposal sites on the site? DUMPS - ON OUTSKIRTS DRAINAGE AWAY FROM IT / EVERYTHING CAR, CAN, PAPERS, P. APERS.
20. Is there any filling on the site? (name fill sources) NO. ~~JUST FROM~~ NOT FROM OFFSITE. ↳ MONTH AGO.
21. Are there any waste water discharges into drains, ditches, or streams on the property? SUSQ SEPTIC SYSTEM THRU PEAT BEDS.
21. Are there any waste water discharges into drains, ditches, or streams on adjacent properties? NOT TO MY KNOWLEDGE
22. Are there any dry wells, irrigation wells, injection wells or abandoned wells on the property? WELL COVERED OVER WITH CEMENT
23. Are there any septic systems or cesspools on the property? SEPTIC HOUSEHOLD USE. STOPPED USE ~1929-

EXISTING PROPERTY RECORDS

24. Are you aware of any of the following documents in connection with the property?
    A. Prior Environmental Assessments SOIL SAMPLES - SURVEYED ~4-5 YEARS AGO / SOIL SAMPLES STAY SAME - TAKEN TO SEE IF SCHOOL BUILT ~1999
    B. Environmental Audit Reports NO.
    C. Environmental Permits LONG TIME AGO - 12 YEARS AGO; LAND APPLIED SLUDGE! NO
    D. Registrations for Underground or Above Ground Storage Tanks
    E. Material Safety Data Sheets ~~NO~~.
    F. Community Right-to-know Plans - NO
    G. Environmental Safety Plans - NO
    H. Geologic or Hydrogeologic Reports - SOIL SURVEY CONDUCTED.
    I. Notices of violation for government agencies - NO. NOT
    J. Notifications and reports regarding hazardous waste generation - NO
25. Are you aware of any of the following proceedings against the property?
    A. Pending, threatened of past litigation or administrative proceedings regarding HS or PP in, on, or from the property?
       NO
    B. Any notices from any government entity regarding any possible violation of environmental laws or possible liability relating to HS or PP?
       NO.

SME
SEVEE & MAHER
ENGINEERS

4 Blanchard Road, P.O. Box 85A
Cumberland, ME 04021
Tel: 207.829.5016 • Fax: 207.829.5692
info@smemaine.com
smemaine.com

TELEPHONE MEMORANDUM

DATE: 10/23/2019

BETWEEN: Ed Hastings, Livermore Falls Fire Chief

AND: Laura DeVaudreuil, SME

SUBJECT: **BOLD ALL CAPS**

SME contacted the Livermore Falls Fire Chief, Ed Hastings and asked about the Subject Property. Mr. Hastings stated he had no knowledge of any incidents on the site, however he has only been acting as Fire Chief since February 2016.

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SEVEE & MAHER
ENGINEERS

4 Blanchard Road, P.O. Box 85A
Cumberland, ME 04021
Tel: 207.829.5016 • Fax: 207.829.5692
info@smemaine.com
smemaine.com

TELEPHONE MEMORANDUM

DATE: 08/19/2020

BETWEEN: Ed Hastings, Livermore Falls Fire Chief

AND: Laura DeVaudreuil, SME

SUBJECT: **BOLD ALL CAPS**

SME contacted the Livermore Falls Fire Chief, Ed Hastings and asked about the Subject Property. Mr. Hastings stated he still has no knowledge of any incidents at the Subject Property.

From: Rob Overton <ceo@lfme.org>
Sent: Tuesday, October 15, 2019 8:35 AM
To: Laura DeVaudreuil
Subject: RE: Environmental Site Assessment

I have no knowledge or other information on any issues at this property. There are no active permits or pending enforcement actions.

Let me know if you need any other assistance.

Rob

Rob Overton
Code Enforcement Officer
Town of Livermore Falls
2 Main Street
Livermore Falls, ME 04254
207-897-3321-Phone
207-897-9397-Fax
Ceo@lfme.org

From: Laura DeVaudreuil [mailto:lad@smemaine.com]
Sent: Friday, October 11, 2019 12:52 PM
To: ceo@lfme.org
Subject: Environmental Site Assessment

Good afternoon Mr. Overton,

I am conducting an Environmental Site Assessment for a portion of the 52 Souther Road property. As a part of the assessment, we are required to ask if there have been any code enforcement violations you may recall on or near the property that would have involved petroleum products or hazardous substances. If you'd prefer to respond by phone, please call me at (207) 749-8693.

Thank you,
Laura DeVaudreuil, P.E.
Chemical Engineer

SME
SEVEE & MAHER
ENGINEERS
Sevee & Maher Engineers, Inc.
4 Blanchard Road, P.O. Box 85A
Cumberland, ME 04021
Office: 207.829.5016
Fax: 207.829.5692

From: CEO <ceo@lfme.org>
Sent: Wednesday, August 19, 2020 6:19 PM
To: Laura DeVaudreuil
Subject: RE: Phase I ESA - 52 Souther Road

Hello,

We have no knowledge of any issues that have occurred at this site.

Let me know if you need any additional info or assistance.

Rob Overton
Code Enforcement Officer
Town of Livermore Falls
2 Main Street
Livermore Falls, ME 04254
207-897-3321-Phone
207-897-9397-Fax
Ceo@lfme.org

From: Laura DeVaudreuil [mailto:lad@smemaine.com]
Sent: Tuesday, August 18, 2020 1:58 PM
To: ceo@lfme.org
Subject: Phase I ESA - 52 Souther Road

Good afternoon Rob,

We briefly spoke last year regarding the 52 Souther Road Property for a Phase I ESA. We are updating the ESA, which is essentially confirming that nothing has changed at the site since we last spoke in October 2019. Could you confirm that there have been no code enforcement issues related to petroleum products or hazardous substances at the site? If you refer to respond by phone, my number is (207) 829-5016.

Thank you,
Laura DeVaudreuil, P.E.
Chemical Engineer

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4 Blanchard Road, P.O. Box 85A
Cumberland, ME 04021
Office: 207.829.5016
Fax: 207.829.5692

Account	Name & Address	Land	Building	Exemption	Assessment	Tax
1437	NORTON, EVELYN L & SWARTZLANDER, PRISCILLA ANN 266 PORTER HILL RD FARMINGTON ME 04938 52 SOUTHER RD/TREE GROWTH 010-005 B5270P23	54,600 Acres 72.42	89,200	0	143,800	3,106.08 1,553.04 (1) 1,553.04 (2)
1493	NUZA, WILLIAM J 18 MILLETT ST LIVERMORE FALLS ME 04254 18 MILLETT ST. 020-169 B8926P292 06/06/2014 B8915P150 05/20/2014 B8886P16 03/28/2014 B5764P264	12,100 Acres 0.38	71,500	20,000 19 HOMESTEAD.....	63,600	1,373.76 686.88 (1) 686.88 (2)
1143	OAKES, FULTON D III 14 WARD BROOK RD WISCASSET ME 04578 408 CAMPGROUND RD/67 HILLCREST 007-071 B9278P258 12/16/2015 B6992P49 12/01/2006 B6607P235 12/05/2005	12,700 Acres 0.41	26,400	0	39,100	844.56 422.28 (1) 422.28 (2)
145	O'BEN, ALLEN 214 ROBINSON RD LIVERMORE ME 04253 330 PARK ST 008-023 B9081P292 02/05/2015 B3638P9	11,100 Acres 0.25	28,700	0	39,800	859.68 429.84 (1) 429.84 (2)
564	O'BEN, ALLEN D 214 ROBINSON RD LIVERMORE ME 04253 64 DIAMOND RD 008-001 B9359P330 04/02/2016 B8212P274 07/22/2011 B7475P46 06/30/2008 B6493P204	11,100 Acres 0.25	10,000	0	21,100	455.76 227.88 (1) 227.88 (2)
75	OCHOA, CARLOS R & OCHOA-DURRELL, DEANNE 24 WHEELER ST LIVERMORE FALLS ME 04254 24 WHEELER STREET 021-094 B6803P242 06/23/2006 B2737P43	8,900 Acres 0.14	62,700	20,000 19 HOMESTEAD.....	51,600	1,114.56 557.28 (1) 557.28 (2)

	Land	Building	Exempt	Total	Tax
Page Totals:	110,500	288,500	40,000	359,000	7,754.40
Subtotals:	41,884,900	63,594,500	9,193,400	96,286,000	2,079,777.60

Account	Name & Address	Land	Building	Exemption	Assessment	Tax
2109	SOUTHER, RONALD E. PELLETIER, ANGEL LYNN Acres 0.38 PO BOX 243 JAY ME 04239 49 SOUTHER RD 011-007-003 B9244P321 10/22/2015 B7504P65 06/24/2008	9,700	7,500	0	17,200	371.52 185.76 (1) 185.76 (2)
2091	SOUTHER, RONALD E. PELLETIER, ANGEL LYNN Acres 0.58 PO BOX 243 JAY ME 04239 48 SOUTHER ROAD 010-005-00B B9244P321 10/22/2015 B4691P74	14,000	32,100	26,000 17 VET RES DISABLED 19 HOMESTEAD.....	20,100	434.16 217.08 (1) 217.08 (2)
1286	SOUTHER, RYAN & LYNN 34 DODGE RD Acres 5.58 LIVERMORE FALLS ME 04254 34 DODGE RD 005-020-00C B3338P195	20,100	142,700	20,000 19 HOMESTEAD.....	142,800	3,084.48 1,542.24 (1) 1,542.24 (2)
329	SOUTHER, VICKI 47 SOUTHER RD LIVERMORE FALLS ME 04254 47 SOUTHER RD/95 CLARIDGE 011-007-002-ON	0	18,800	18,800 19 HOMESTEAD.....	0	0.00
2099	SOUTHER, WALDO PO BOX 129 Acres 0.47 LIVERMORE FALLS ME 04254 47 SOUTHER RD 011-007-002 B3136P241 10/08/1993	14,500	0	0	14,500	313.20 156.60 (1) 156.60 (2)
1441	SOUTHER, WALDO P O BOX 129 Acres 0.92 LIVERMORE FALLS ME 04254 SOUTHER RD 011-005-00B B2460P330	800	0	0	800	17.28 8.64 (1) 8.64 (2)

	Land	Building	Exempt	Total	Tax
Page Totals:	59,100	201,100	64,800	195,400	4,220.64
Subtotals:	46,596,300	84,114,500	11,540,300	119,170,500	2,574,082.80

J A Y

FRANKLIN COUNTY

Androscoggin

L I V E R M O R E

River

MUNSER AVENUE

MOOSE HILL ROAD

UPPER DEPOT ST.

JONES ROAD

SOUTHER ROAD

Clay Brook

Redwater Brook

ROUTE 17

FAYETTE RD.

POMEROY ROAD

PARK ST.

CEMETERY

DYKE CEMETERY

38 3.07 AC
38-1 1.53AC
39
40
41
37
33A
30
28 4.5 AC
28A 1.05 AC
27 1.44 AC
31
33
35
35-1 5.65 AC
34
34-1
32 14.5AC
25
24 39.1AC
26 5.2 AC
26 A 5.8 AC
24A 2.4AC
22
23
21
20
19
19-1
19A
17
16
15
14
12
13
11
9
8
7
7A
6
5
5A
5B
4
3
3-1
3-2
2
P/O 8-8

20
21
18
19
16
15
13
17

NO PARCEL 18

LEGEND

PARCEL NUMBERS ---------- 1

ADJACENT MAPS ---------- 2

MATCH LINE ---------- ——

For Assessment Purposes
Not to be used for Conveyances

PROPERTY MAP

TOWN OF LIVERMORE FALLS

ANDROSCOGGIN COUNTY, MAINE

PREPARED BY

JAMES W. SEWALL COMPANY OLD TOWN, MAINE

SCALE 1 INCH = 400 ± FEET

10

APPENDIX F

QUALIFICATION(S) OF THE ENVIRONMENTAL PROFESSIONAL

SME
SEVEE & MAHER
ENGINEERS

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SEVEE & MAHER
ENGINEERS
Blanchard Road, PO Box 85A, Cumberland, ME 04021
Tel: 207.829.5016 • Fax: 207.829.5692 •smemaine.com

BRIAN D. PIERCE, P.E.

EDUCATION

University of Maine – B.S. in Civil and Environmental Engineering, 1994

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

Professional Engineer – Maine No. 9609; Ohio No. 84931; Maryland No. 55148
40-Hour Safety Training for Hazardous Waste Operations (OSHA 29 CFR 1910.120)
8-Hour Supervisory Training for Hazardous Waste Operations (OSHA 29 CFR 1910.120)
Radiological Safety and Gauge Operation for Nuclear Testing Equipment (49 CFR 172)

EMPLOYMENT HISTORY

2019 to present – Sevee & Maher Engineers, Inc., Principal and Chief Engineer
2018 to 2019 – Sevee & Maher Engineers, Inc., Chief Engineer
1999 to 2018 – Sevee & Maher Engineers, Inc., Project Engineer
1994 to 1999 – Dames & Moore, Inc., Augusta, Maine, Staff Engineer

PROFESSIONAL EXPERIENCE

Mr. Pierce has over 25 years of experience in the field of civil and environmental engineering, much of which is associated with the development of permitting of facilities to comply with environmental regulations. This experience includes project manager and project engineer assignments. Projects have routinely involved coordination with other disciplines including geologists, geotechnical engineers, hydrogeologists, planners, laboratory analytical services, and contractors. The scope of these projects includes: environmental site assessment, site investigation, remediation, site development design, permitting and regulatory interaction, public hearings, construction, and training. Mr. Pierce is responsible for review and approval of project documents and drawings prepared by SME.

Typical assignments in his area of expertise include:

- Closure alternatives, evaluation, and remediation design;
- Landfill siting, design, permitting, operations manuals, and construction inspection of solid waste facilities;
- Preparation of numerous stormwater management and erosion control plans for site development and landfill facilities;
- Full time construction monitoring of landfill construction contractor and subcontractors to insure compliance with contract documents;
- Review and statistical analysis of water quality data as solid waste disposal sites;
- Landfill training presentations to landfill staff; and
- Phase I ESA preparation for industrial, commercial and residential properties.