

August 2023

# WELLHEAD PROTECTION PROGRAM PLAN

Village of Saranac  
Ionia County, MI



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# WELLHEAD PROTECTION PROGRAM PLAN

## EXECUTIVE SUMMARY

Throughout the State of Michigan, areas of polluted groundwater are present in almost every urbanized area. When contamination in groundwater becomes significant, human health and economic activities may be affected. As a result, communities have recognized the need for a systematic approach to groundwater quality management. A Wellhead Protection Program (WHPP) is one approach that develops long-term strategies to protect a community's drinking water supply. The long-term management of groundwater quality is endorsed at both the federal and the state level. Specifically, the Federal Safe Drinking Water Act was amended in 1986 to include wellhead protection. Additionally, the State of Michigan provides financial and technical resources for communities that pursue WHPPs. The Village of Saranac's WHPP Plan is a "living" document that details action being taken to ensure the long-term integrity of the Village's water supply system.

The Village of Saranac is located in Ionia County, central lower Michigan. The Village's water system is composed of two production wells, one 400,000 elevated storage tank and a distribution system. The Village's Department of Public Works operates and maintains the entire system. The Village of Saranac relies on two wells: well numbers 4 and 5. These are presently the only production wells in service. The wells have a total capacity of 1,237 gallons per minute (gpm) and a firm capacity (capacity with largest production well off-line from 2015 MDEQ Sanitary Survey) of 557 gpm. The Village provides water to a population of approximately 1,376.

In the past, the Village recognized the importance of protecting the wells that supply drinking water to the community. In 1998, the Village selected Fleis & VandenBrink (F&V) to assist in developing a formal WHPP based on guidelines provided by the Michigan Department of Environment, Great Lakes and Energy (EGLE). EGLE has requested that Plans be updated in six-year intervals. In 2023, the Village reviewed and revised their WHPP based on the EGLE document "Checklist for Local Wellhead Protection Program Renewal."

Development of the Village of Saranac WHPP and subsequent Program Renewals included public meetings, which were held periodically and as needed from 1999 to 2022. These meetings provided an opportunity for Village residents and elected officials to discuss elements of the WHPP.

The overall goals of the Village's program are included in this WHPP. Previous reports detail the collection of available information on the hydrogeology of the area, including the interpretation of numerous depth-to-water measurements and results from aquifer performance testing. The collected information was used to develop a groundwater model that delineated the 10-year groundwater contribution zone for the Village's wellfield. This area is known as the Wellhead Protection Area (WHPA). Detailed explanations of the WHPA delineation and specific options in developing and implementing management strategies were discussed at public meetings during the development and renewal of the Village's WHPP.

This Plan also identifies sites of environmental contamination listed in state and federal databases and located within the WHPA. Documenting these sites is important for several reasons, including identifying immediate risk to drinking water. This documentation is referred to as a Contaminant Source Inventory. Collected information was used to analyze the "sensitivity" and determine the "susceptibility" of the Village's drinking water wells to potential sources of contamination. In a 2015 EGLE (then MDEQ) Community Water Supply Source Water Assessment (SWA) EGLE defined the aquifer supplying the Village's wells as "High" sensitivity to potential contamination. The same SWA determined the Susceptibility rating of the Village's wells PW-4 and PW-5 to be "Moderately High".

Based on the Village's goals and the delineated WHPA, the Village reviewed numerous options to manage the WHPA and surrounding areas. Options reviewed included both regulatory (e.g., ordinances, site review criteria, existing programs) and non-regulatory options (e.g., public education). Options that were considered effective and practical have been implemented or will be considered for future implementation.

## I. PURPOSE AND SCOPE

The purpose of the Village of Saranac WHPP is to protect the Village's public water supply system from contamination. This protection is provided by determining the groundwater areas that contribute to the existing municipal wells. This area is called the WHPA. Once the WHPA is defined, existing and potential sources of groundwater contamination within the area are identified. Finally, methods to manage the WHPA and minimize the threat to existing and future private and municipal water supply wells are considered and implemented, if appropriate.

The State of Michigan WHPP was developed in response to the 1986 Amendments to the Federal Safe Drinking Water Act. Portions of this WHPP are voluntary and are implemented on a local level through coordination of a Wellhead Protection Team (Team) consisting of local, county and state representatives.

Guidelines have been established for the WHPP by EGLE. The WHPP initially developed for the Village of Saranac was based on EGLE guidelines in effect at that time.

Current EGLE WHPP guidelines include the following major elements, which are further detailed in this written WHPP Plan:

- Introduction
- Roles and Responsibilities
- WHPA Delineation
- Contaminant Source Inventory
- WHPA Management Approaches
- Water Supply Emergency Contingency Plan
- Plan for New Wells
- Public Participation, Outreach and Education

## II. INTRODUCTION

The purpose of this section includes updating basic information about the public water supply system (PWSS) and the community. The Village is located approximately 30 miles east of Grand Rapids south of State Route 21 and the Grand River in Ionia County. According to Village records, the 2020 census population served by the Village is 1,376.

The lead agency for the WHPP is the Village of Saranac. The Village has been actively pursuing wellhead protection activities since 1998, when a formal delineation study was completed and approved by EGLE in 2000.

The Village's water system is composed of two production wells, two elevated storage tanks and a distribution system. The Village's Department of Public Works operates and maintains the entire system. Production Well (PW)-4 and PW-5 are located in the southwest corner of the Village boundary. The production wells have a total capacity of 1,237 gallons per minute (gpm) and a firm capacity (capacity with largest production well off-line) of 557 gpm. PW-4 is operating at a capacity of 680 gpm and PW-5 is operating at a capacity of 557 gpm. These are presently the only production wells in service and the Village provides drinking water to a population of approximately 1,376.

The location of the two Saranac municipal wells and the Wellhead Protection Area are illustrated in Figure 1. As illustrated in Figure 1, the WHPA for wells PW-4 and PW-5 include the southern portions of the Village of Saranac, and extends south into Sections 11, 12, 13, 14, 23, 24, 25 and 26 of Boston Township.

This written Plan identifies several known and potential sources of contamination within and near the WHPA. Since the 10-year delineated WHPA is primarily located in Boston Township, the implementation and long-term success of the program will depend on the inter-governmental cooperation of the Village and Boston Township, and on the voluntary assistance of landowners within the WHPA.

This section also identifies the goals for the Village's WHPP. These goals and objectives are intended to develop a successful long-term program to protect the Village's drinking water wellfield and to prevent groundwater pollution in the WHPA through public education and cooperative management by local government agencies.

**GOAL #1 To protect the public drinking water supply by preventing the pollution of surface and groundwater within the WHPA.**

Objective is to maintain a safe drinking water supply and protect the Village's water infrastructure investment by preventing pollution from entering groundwater.

- Methods:
- Define the WHPA
  - Inventory actual and potential contamination within the WHPA
  - Ensure historical wells have been properly abandoned
  - Coordinate WHP activities with county and state agencies

**GOAL #2 To instill a sense of ownership of the wellfields and encourage the local community to recognize that wellhead protection is both worthwhile and necessary.**

Objective is to develop local awareness and support for wellhead protection.

- Methods:
- Develop educational strategies
  - Notify property owners located near the wellfields

**GOAL #3 To clarify the roles and duties of agencies and individuals involved in wellhead protection.**

Objective is to develop an effective WHPP.

- Methods:
- Assign municipal staff

**GOAL #4 To plan and prepare for water supply emergencies.**

Objective is to plan to respond to potential natural and man-made events including hazardous material spills, vandalism, power loss, etc.

- Methods:
- Develop program with multiple local and non-local agencies
  - Define program in a written contingency plan
  - Identify volunteers to assist with various aspects of the program

**GOAL #4 To promote inter-governmental and intra-governmental cooperation to assure protection of the water resources within the WHPA.**

Objective is to address groundwater protection on a regional basis.

**GOAL #6 To promote the speedy and thorough cleanup of existing contamination within the WHPA.**

Objective is to reduce the likelihood of contaminants migrating into the municipal water supply.

- Methods:
- Document known sites of contamination
  - Work with EGLE to promote monitoring cleanup of sites

### III. ROLES AND RESPONSIBILITIES

The long-term success of the Village of Saranac's WHPP depends largely on the effectiveness of the Team and the continuing education and awareness of groundwater issues within the local community. Most communities, including the Village of Saranac, have interested citizens and uniquely qualified individuals who have lived in the area for years and can contribute greatly to the long-term success of the WHPP.

The Village of Saranac's Team represents the "stakeholders" of the community. Members of the Team have provided input and guidance throughout the WHPP planning process. The Team also reflects the reality that the groundwater reaching the existing municipal wells does not recognize municipal boundaries, and a cooperative effort with other communities in the area is necessary to effectively manage land use and development within the WHPA.

Current Team members, their contact information and other key WHPP organizations are listed in Attachment A. Since the previous Plan was implemented, new organizations or agencies have not become involved. Additional intergovernmental agreements or memoranda have not been implemented or updated. Below are some of the Roles and Responsibilities of each team member.

**Tony Koster, Department of Public Works (DPW) Director** —The DPW Director has several important roles. First, this individual will ensure that the WHPP Plan is updated every six years. Next, this individual has considerable knowledge about the water operations of the Village. Consequently, this person will work to ensure communication is apparent with emergency personnel that may be involved in the emergency response planning process. In addition, this person will play a vital role in the new well planning process and the Contaminant Source Inventory review process. This person will also work with key individuals to implement the Wellhead Protection Area Management Schedule and the Public Participation, Outreach and Education Schedule. This person should annually work with the County Road Commission and the Michigan Department of Transportation (MDOT) to encourage their consideration of road salt and sand application within the Village, especially within the WHPA. This person can also assist inspectors, builders, and earth moving contractors generating awareness of environmentally incompatible land activities or materials handling practices. This will likely include developing information and education material and directly speaking to contractors of significant sized projects within the Village's WHPA.

**Sharon Darby, Village President** —The Village President has the primary role of supporting and guiding the local WHPP. Ensuring wellhead protection has its own line item in the local budget is important. In addition, the President should support the implementation of the WHPP Plan and promote the importance of the local program to Council members, staff and other key officials.

**Tony Koster, Fire Chief** —The local Fire Chief has considerable knowledge about potential and existing sources of contamination. Consequently, this person will assist with the Contaminant Source Inventory findings. In addition, this person will work with water department personnel to ensure communication is apparent and protocols are understood in the event of an emergency situation. This person should also consider the WHPA when responding to certain emergencies within the WHPA, including transportation spills involving hazardous materials. Maintaining an active list of hazardous materials known to exist within the Village would also be beneficial. Further, this person could coordinate a used battery collection program for Village residents or a hazardous material drop off site.

**S. David Shaw, Planning Commission Chair** —The Planning Commission Chair has a wealth of knowledge on past management approaches for drinking water protection that the Village may have implemented. In addition, this individual also has insight as to what management options would be effective in the future. This person will work to develop and implement the strategies outlined in the Wellhead Protection Area Management Schedule. It will be important to work with key officials, such as Planning Commission representatives.

**Becky Straubel, Treasurer/Deputy Clerk** —The Council Village Treasurer/Deputy Clerk will serve as a liaison between the Village Council and the residents of Saranac. This individual will also be in charge of communicating to residents and Council members on the importance of wellhead protection.

**Mark Novak, Local Health Department Representative**—The local Health Department representative has knowledge about past and current environmental issues that municipalities throughout the County face. This individual also has an understanding of state and federal rules and regulations and is able to provide guidance and knowledge. Local Health Department staff also work to issue well and septic permits and require wells to be properly abandoned. They can partner with the Village on education and outreach initiatives and management strategies. They also coordinate hazardous materials recycling programs and can partner with the Village. Staff can look for opportunities to discuss with homeowners that live within the WHPA the importance of protecting groundwater through the proper storage and handling of hazardous materials.

**Jason Smith, Local Superintendent of Saranac Schools**—The local School Superintendent has the primary role of linking source water protection and area schools. In particular, identifying appropriate age levels to target based on curriculum requirements and setting up educational activities as outlined in the Public Participation, Outreach and Education Schedule will be important. This person could also look for opportunities to provide civil groups, clubs or classes with discussions on drinking water protection and organize tours of the water plant.

**Ryan Hesche, Local Business Owner**—The local business owner can assist in determining effective methods to educate business leaders within the community on source water protection. This individual can also get involved in the implementation process. This person will have input in the planning and zoning implementation process and the Contaminant Source Inventory. This person can also look for opportunities to discuss with owners of hazardous materials located within the WHPA the importance of storage that is protective of groundwater.

**Jordan Austin, Local Farmer**—The local farmer can assist in determining effective methods to educate agricultural leaders within the community on source water protection. This person can also get involved in the implementation process, working with other farmers and adopting management strategies on their farm. This individual will promote the importance of the WHPA and source water protection efforts in relation to agriculture.

**Sandy Whorley, Local Resident**—The local resident has an interest in drinking water protection efforts. This individual can educate others within the community about the importance of source water protection. This person can also work to assist with Contaminant Source Inventory findings and Public Participation, Outreach and Education initiatives.

**Dennis G. Bowen, Boston Township Supervisor**—Because the Boston Township boundaries are within the Village's WHPA, activities within the Township will impact the Village's groundwater. The Township Representative understands the current management strategies that are being implemented. This person will work with their local Planning Commission to adopt additional management approaches as outlined in the Wellhead Protection Area Management Schedule. In addition, identifying effective education and outreach initiatives to educate Township residents about the importance of environmental protection will be key. Finally, working with the Fire Department to incorporate the Michigan Fire Fighter Right to Know laws into the WHPP along with the County Road Commission and MDOT to encourage their consideration of road salt and sand application within the Village/Township, and especially within the WHPA. It is also important to assist inspectors, builders, and earth moving contractors generating awareness of environmentally incompatible land activities or materials handling practices.

**Brian Rice, Senior Project Manager**—The Senior Project Manager from F&V can assist the Village with the update of the WHPP Plan every six years. This person can also assist the Village with the implementation of all WHPP elements along with provide expertise, guidance and assistance with funding mechanisms for source water protection. This person serves as a liaison between EGLE and the Village and has worked with representatives and WHPP initiatives on the local, state and national levels.

#### **IV. WELLHEAD PROTECTION AREA DELINEATION**

The purpose of this section is to update information about the WHPA. The Federal Safe Drinking Water Act defines a WHPA as “...the surface and subsurface area surrounding a water well or wellfield, supplying a public water system, through which contaminants are reasonably likely to move towards and reach such water well or wellfield”. The entire WHPP is based on the results of this key element.

Between 1999 and 2000, the Village of Saranac completed a hydrogeological study to identify groundwater areas that move towards and reach the Village's water supply wells. The study was documented in a report titled, "Village of Saranac Wellhead Protection Area Delineation Report", dated 2000 (Report). The study included reviewing existing background information on the regional geologic formations, surveying groundwater elevations to determine groundwater gradients and directions of flow and conducting an aquifer pump test and analysis. Computerized groundwater flow modeling and particle tracking was used to delineate the groundwater area surrounding the municipal wellfield through which contaminants could reasonably move towards and reach the municipal wellfields. The Report also includes the methodology used to develop the WHPA including maps, figures and geological cross-sections used for the modeling. Since 2000, new geological data that will have a material impact on the current delineation has not been identified. Changes in well usage or flow rates in the current WHPA that would have a material impact on the WHPA (e.g., well abandonment, new high-volume private wells, etc.) have not been identified.

The WHPA delineation for the Village of Saranac is illustrated on Figure 1. EGLE guidelines for establishing a WHPA are based on a groundwater time of travel of 10 years. This means that the area delineated for the WHPP needs to encompass groundwater areas that contribute to the Village's wellfields at a distance of 10 years' groundwater travel time. A 10-year time of travel is used to provide a reasonable length of time for addressing environmental problems within the WHPA, while limiting the size to an area which can be reasonably managed by the Village's existing water operations, land planning, and zoning ordinances.

#### A. UPDATES SINCE PRIOR WHPP PLAN APPROVAL

Since the original delineation, additional production wells have not been added to the Village's water system.

## V. CONTAMINANT SOURCE INVENTORY

The goal of this element is to identify existing and potential sources of contamination within the previously determined WHPA. Contamination has several possible pathways to reach groundwater including direct spills, interior floor drains which discharge into the ground, septic systems, leaking underground storage tanks, storm water runoff, or dry and abandoned wells. In certain hydrogeologic settings, even very small amounts of a hazardous substance can contaminate large areas of groundwater.

The Federal Safe Drinking Water Act also requires that a WHPP "...will identify within each wellhead protection area all potential anthropogenic sources of contaminants which may have any adverse effect on the health of persons". An anthropogenic source is any activity performed by or caused by human actions that is, or potentially could be, a source of contamination to groundwater, including human actions affecting natural contaminants. The releases can be either from *point* sources, such as leaking tanks or impoundments, or from *non-point* sources, such as the application of agricultural chemicals or releases from areas containing septic tank/leach field systems.

A contaminant is defined in this WHPP as an organic, inorganic or microbiological substance that is regulated under federal, state or local environmental programs.

Applicable federal and state-related environmental laws and hazardous material regulations to control the use of potential contaminants generally include the Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response Compensation and Liability Act (CERCLA or "Superfund"), Safe Drinking Water Act (SDWA), Clean Water Act (CWA), Toxic Substances Control Act (TSCA), and the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). Although these regulations have imposed controls on a wide range of industries and hazardous material treatment, storage and disposal practices, they tend to focus primarily on the larger manufacturing industries which manage the majority of hazardous wastes and hazardous materials in this country. Other smaller industries and businesses are not as stringently controlled (if controlled at all) due to the focus on industries that manage wastes or materials above a threshold amount or because the materials managed by the smaller industries are not considered "hazardous". As a result, materials and wastes that are not generally regarded or regulated as "hazardous" still have the potential to contaminate groundwater supplies.



Identifying the location and types of potential sources of contamination is essential in the development and implementation of effective management and public education strategies within the local WHPP.

#### **A. CATEGORIES OF POTENTIAL CONTAMINATION SOURCES**

As part of this WHPP, categories of sources or activities having the potential to contaminate groundwater are provided in Attachment B. The table is intended to provide a general overview of environmental risks associated with various activities. The categories have been grouped according to the type of activity (e.g., agricultural, residential, governmental, commercial and industrial) with which the source is commonly associated. The type(s) of contaminant(s) commonly associated with the various types of sources and the relative risk to groundwater quality are also provided.

While a number of existing and potential sites of contamination were identified, many of the properties have been assessed by various private parties, EGLE, and/or EPA. While actual and potential sources of contamination exist throughout the WHPA, the Village works with EGLE to maintain a comprehensive water testing program to maintain a quality drinking water supply. Several sites with significant impact are or have been actively remediated and monitored. In reviewing the information presented in this report, the Team considered that many identified sites located in the 10-year WHPA have been there for decades and the Village has never detected a man-made contaminant in a supply well.

#### **B. CONTAMINANT SOURCE INVENTORY PROCESS**

An initial contaminant source inventory was completed in 2000. The purpose of this inventory was to develop and confirm a list of existing and potential sources of contamination within the WHPA.

The inventory was further developed in 2012, 2018, and again in 2023. The identification of existing sources of contamination has been compiled using information from various agencies including those listed below:

- Sites of Environmental Contamination (201 sites), Remediation and Redevelopment Division (RRD), EGLE (Part 201 of Act 451)
- Underground Storage Tank List, Waste and Hazardous Materials Division, EGLE (Part 211 of Act 451)
- Leaking Underground Storage Tank Sites, Remediation and Redevelopment Division, EGLE (Part 213 of Act 451)
- Oil & Gas Contamination Sites, Geological and Land Management Division, EGLE (Act 61)
- Hazardous Waste Generators, Waste and Hazardous Materials Division, EGLE (Part 111 of Act 451)
- Groundwater Discharge Permits, Water Bureau, EGLE (Part 31 of Act 451)
- Landfill/Solid Waste Disposal Site List, Waste and Hazardous Materials Division, EGLE (Part 115 of Act 451)
- Federal National Priorities List EPA, Region 5 (CERCLA and Superfund)
- Other sites of concern identified by the Team.

For this WHPP, *'existing'* sources are those which are known to have caused or threaten to cause groundwater contamination; regulatory agencies may have information pertaining to existing sources. *'Potential'* sources are those which may or may not have caused groundwater contamination but have the potential to do so; regulatory agencies may or may not have knowledge and/or information available relating to potential sources. F&V used the services of Environmental Data Resources (EDR) to search various databases for environmental information for the WHPA. F&V reviewed the information with the Team to check for discrepancies and obtain local information about the sites identified by EDR. F&V also reviewed the Michigan Environmental Mapper. A copy of information used for the inventory and identified sites are included in Attachment C.

### C. TRANSPORTATION ROUTES

Transportation routes represent areas with the potential for transient hazardous substances. Interstate highways, which are often primary routes for the transportation of hazardous substances, are not present in the Village's WHPA. The Wellhead Protection Team recognizes that groundwater quality degradation may occur as the result of significant and sudden releases or spills of hazardous or polluting materials during transit within the Village. The Village Fire Department has representation and actively participates on the Wellhead Protection Team and understands the importance of transportation spills within the WHPA being addressed promptly.

No major transportation routes are located in the WHPA. However, interstate I-96 runs west-east along the border of the southern, upgradient end of the WHPA. Groundwater quality degradation may occur as the result of significant and sudden releases or spills of hazardous or polluting materials during transit along Morrison Lake Road.

### D. SURFACE WATER SOURCES OF CONTAMINATION

The Village is located in the Lower Grand River watershed, with several communities located upstream including Ionia and Lyons. Lake Creek and Little Creek also run through the majority of the WHPA. All of these surface water bodies are connected to the Grand River.

Surface water quality degradation can occur through both non-point and point source discharges. Groundwater quality degradation may occur when surface water of lesser quality recharges the aquifer by means of infiltration through the streambed.

With point source discharges, the contaminant threat is dependent on the volume of the release, chemical/physical properties of the contaminant and surface water velocity.

Non-point source contaminants are usually seasonally derived, resulting from the release of fertilizer and pesticide applications in agricultural portions of the watershed and/or storm water runoff from urban areas.

It is important to note that groundwater/surface water interactions in lake and river/creek systems are often complex and are transient in nature. Because these two resources are connected, groundwater can be impacted by contaminants released to surface water and vice versa.

### E. ABANDONED WELLS

Abandoned wells can pose a threat to groundwater. Wells that are not properly closed can provide a direct conduit for surface run-off and contaminants to easily reach the groundwater. Abandoned wells may be from oil and gas drilling, water wells, irrigation wells, or dry wells.

As part of the Contaminant Source Inventory completed for the Village's Wellhead Protection Program, MDEQ Geological Survey Division data was reviewed for records of contaminated oil and gas wells or listed contamination sites within the Saranac area. While MDEQ records indicated mineral leases within the WHPA, no active or abandoned wells, "dry holes" (a well used for oil and gas exploration and not associated with production) within the Village's WHPA.

### F. HAZARDOUS PIPELINES

Hazardous pipeline failures have resulted in surface and groundwater becoming contaminated in several states, including Michigan.

Based on records publicly available through the U.S. Department of Transportation's Pipeline and Hazardous Material Safety Administration natural gas, petroleum, and other hazardous material pipelines in the Village's WHPA were not identified. A natural gas transmission pipeline operated by Consumers Energy Company is located approximately 7 miles west of the Village of Saranac and outside of the WHPA.

## G. SENSITIVITY ANALYSIS

The 1996 amendments to the Federal Safe Drinking Water Act requires that states analyze the “sensitivity” and determine “susceptibility” of a community’s source of drinking water to potential sources of contamination.

Sensitivity is determined from the natural setting of the source water (raw water to the Village’s wells), and indicates natural protection afforded the source water. As documented by EGLE (then MDEQ) in 2003, information from the WHPA delineation indicates that the aquifer from which the Village’s wells obtain groundwater is “leaky unconfined”. Unconfined aquifers (i.e., Saranac’s aquifer) are geologically categorized as “sensitive”, meaning that polluting materials spilled on the ground surface have no protection from vertical migration by one or more geologic confining layers located above the aquifer. In a 2015 EGLE (then MDEQ) Community Water Supply Source Water Assessment (SWA) defined the aquifer supplying the Village’s wells as having a “High” Sensitivity to potential contamination.

## H. SUSCEPTIBILITY DETERMINATION

Susceptibility identifies factors within the community’s WHPA that may pose a risk to the water supply. Categories of susceptibility determination are “moderately susceptible”, “highly susceptible” or “very highly susceptible”. The susceptibility determination provides indications of which statewide WHPAs should be given greater priority and oversight in implementing a WHPP. In a 2015 EGLE (then MDEQ) Community Water Supply Source Water Assessment (SWA) determined the Susceptibility rating of Village’s wells PW-4 and PW-5 to be “Moderately High”.

When considering sensitivity and susceptibility, it is important to understand that a system can have low sensitivity relative to some conditions (e.g., wells located a significant distance from potential contamination sources) and high susceptibility because of other conditions (e.g., the type of contaminant).

## I. CONTAMINANT SOURCE INVENTORY MAINTENANCE

All data management systems require periodic maintenance. Data maintenance for the Village’s Contaminant Source Inventory was initiated when the preliminary list of sites was compiled. Specifically, the preliminary site names and mapped locations were confirmed by members of the Team.

Future maintenance of the Contaminant Source Inventory will include updating the existing information and adding any new sites. The simplest way to complete this may be re-inventorying the Saranac area at periodic intervals. The Village plans to complete a re-inventory every five years. Additionally, the updates will consider the following items:

- 1) Identification of new categories
- 2) Identification of new sources
- 3) Change in the status of previously inventoried sources.

## VI. WELLHEAD PROTECTION AREA MANAGEMENT

The goal of this element is to provide mechanisms which will prevent existing and potential sources of contamination from reaching the community drinking water supply wells. The WHPP Plan Renewal included review of the initial management strategies and discussion of their effectiveness. Additionally, the Plan Renewal included review of other potential management activities that the Village could pursue.

In developing the initial management strategies for the Village’s original WHPP, it was acknowledged that it is highly improbable that all risks within the WHPA can be eliminated but, by applying one or more management tools, the likelihood of groundwater contamination impacting the municipal water supply in the future can be reduced. Some management strategies to protect the drinking water supply that are required under Michigan law are not described in this WHPP.

The 2023 review of management options included current concepts, thoughts, and experiences from both Michigan and other nearby states and communities as well as past experience from Team members. The Team acknowledges that the Village will continue to rely on a historically and proven reliable system of

mandatory federal, state and county groundwater and well operation requirements. Going forward, the Team has attempted to develop management strategies that can be both effective and measured. Management strategies that have been implemented previously, along with those that will be pursued in the future are discussed on the WHPA Management Schedule. Management tools that the Village implemented along with other management strategies that the Village may pursue are included in Attachment D.

**WELLHEAD PROTECTION AREA MANAGEMENT SCHEDULE**

Activity	Objective	Goal	Measure of Accomplishment	Implementation Date and Frequency
<b>Wellhead / planning commission meeting</b>	Keep the WHPP Team members and Planning Commission members in contact and aware of the WHPP Plan; especially the management options such as the Environmental Permit Checklist.	Hold an annual joint meeting with the WHPP team members and the Planning Commission.	Meeting minutes, activities and information discussed.	Ongoing
<b>Adopt zoning amendments related to WHP Area</b>	Protect the Wellhead Protection Area from surface contamination.	Village Council and Township Board approval of zoning amendments.	Zoning amendments	By 2027
<b>Consider expanded chemical monitoring at the wellhead in response to known sites of contamination</b>	Monitor water quality in response to known sites of contamination.	Monitor and track trends of certain indicators of contamination.	Sampling events and response to contamination.	Ongoing
<b>Review the Emergency Response Plan annually</b>	Keep the Emergency Response Plan information and contacts up to date.	Emergency Response Plan up to date and to keep staff aware of procedures and contacts specific to responses within the WHPA.	Annual report added to the Emergency Response Plan listing date of review and changes or updates to the Plan.	By 2024 and then Annually
<b>Wellhead Protection Program Plan – Review and Update</b>	Address new sites and changes in the status of existing sites.	Maintain an inventory that is regularly updated.	Updates to inventory	2023 and then every 6 years

Activity	Objective	Goal	Measure of Accomplishment	Implementation Date and Frequency
<b>Contaminant Source Inventory – Review and Update</b>	Address new sites and changes in the status of existing sites.	Maintain an inventory that is regularly updated.	Updates to inventory	By 2023 and then every 6 years
<b>Fire Fighter Right to Know Surveys</b>	Improve facility compliance with fire codes and storage of the hazardous materials.	Conduct and maintain copies of Right-to-Know surveys at facilities located within the WHPAs. Offer educational materials for best management practices to storing, handling, and disposing of hazardous materials. If violations observed, coordinate with local, state, and federal agencies to address violations.	Right-to-Know Surveys	Ongoing
<b>Private Well Permitting and Abandonment</b>	To review the WHPA and the importance of managing permits of wells within the WHPA.	Coordinate with the Health Department Sanitarian to identify and plug historical and pending abandoned wells.	Number of wells plugged.	Ongoing
<b>Zoning and Site Plans – Conduct Site Plan Reviews</b>	Consideration of WHP ordinance and zoning during Site Plan Reviews to protect source water in the WHPA.	Village Council and Township Board approval of Site Plan Review Standards.	Updated Site Plan Review Standards used in review process	Ongoing
<b>Site Plan Review Environmental Permit Checklist</b>	Consideration of WHP ordinance and zoning during Site Plan Reviews to protect source water in the WHPA.	Village Council and Township Board approval of Site Plan Review Environmental Permit Checklist.	Environmental Permit Checklist used in site plan review process.	2026

Activity	Objective	Goal	Measure of Accomplishment	Implementation Date and Frequency
<b>Resolution</b>	Communicate Village's intent to protect the drinking water supply.	Create, approve, and publish a resolution in support of wellhead protection.	Resolution adopted	Adopted 1999
<b>Incorporate WHP into the Master Plan</b>	Provide a basis for effective implementation of local regulations in support of groundwater protection.	Include goals and objectives of the wellhead protection program into the Master Plan.	WHP included in Master Plan	By 2025
<b>Annually contact Boston Township Supervisor</b>	Update each other on ordinances, zoning, planning, and initiatives as they pertain to the WHPP.	Maintain active communication between the Village and the Township regarding the WHPP.	Meeting minutes, activities and information discussed.	Ongoing
<b>Annually contact the County Drain Commissioner</b>	Update each other on ordinances, contaminated sites, and storm water management as they pertain to the WHPP.	Keep Interagency Partners up to date with activities and events occurring in the wellhead protection areas.	Meeting minutes, activities and information discussed.	Ongoing
<b>Annually contact the County Health Sanitarian</b>	Update each other on ordinances, contaminated sites, cleanup events, and wells as they pertain to the WHPP.	Keep Interagency Partners up to date with activities and events occurring in the wellhead protection areas.	Meeting minutes, activities and information discussed.	Ongoing
<b>Annually contact EGLE Remediation and Redevelopment District staff</b>	Update each other on ordinances, contaminated sites, cleanup events, and wells as they pertain to the WHPP.	Keep Interagency Partners up to date with activities and events occurring in the wellhead protection areas.	Meeting minutes, activities and information discussed.	Ongoing

Activity	Objective	Goal	Measure of Accomplishment	Implementation Date and Frequency
<b>Participate in Hazardous Waste Collection Activities</b>	Eliminate unused hazardous materials.	Reduce likelihood of hazardous materials contaminating the Village's drinking water supply.	Pounds of hazardous materials collected	Annual rotation with the County



## VII. WATER SUPPLY EMERGENCY CONTINGENCY PLAN

The goal of this element of the Plan is to provide both short-term and long-term protection of the Village's water supply system by identification of personnel, testing equipment, procedures, and materials which can be used for rapid correction or elimination of environmental accidents which might constitute a water supply emergency. The contingency plan also addresses response protocols, notification procedures and methods of containment.

The existing contingency plan outlines the program for the rapid correction or mitigation of water supply emergencies. It contains an inventory of necessary stand-by personnel, equipment, chemicals, and other materials readily available for the correction of water supply problems, including emergency measures in the event of contamination of the municipal wells from an emergency spill within the WHPA. The means of notification of customers affected by an emergency is also provided, along with a description of the precautions and measures to be taken to protect the health of the affected system's water customers.

Village leaders understand that response to contaminated wells is not limited to technical measures. Indeed, when a municipal well becomes contaminated, it becomes a technical problem requiring professional knowledge of hydrogeology, engineering, and other disciplines. Additionally, financial, legal, public relations and risk assessment problems may occur. Often, the initial public questions include:

- What is the current water quality?
- What is the source of the contaminants?
- What are the effects of past water usage?
- What action is being taken?

When municipal wells become contaminated, it is usually a surprise. This is especially true for wells located in a Wellhead Protection community. While it is unlikely that any plan will prevent an adverse response from the Village's water customers, this WHPP Plan suggests:

As part of the WHPP, the Village developed a contingency plan that addresses each of the preceding questions. When municipal wells become contaminated, it is usually a surprise. This is especially true for wells located in a Wellhead Protection community. While it is unlikely that any plan will prevent an adverse response from the Village's water customers, this Wellhead Protection Plan suggests:

- Inform residents of the truth as soon as it is known.
- Inform residents immediately upon confirmation of contaminants in the water supply.
- Continue to inform residents of activities being undertaken.

If the wells become contaminated, EGLE would likely require that the Village immediately initiate activities to provide either a treated water system or a new water supply. Once contamination is discovered, action may need to be taken before bonds or loans become available to address infrastructure needs. The Village's "Water System Emergency Response Plan and Contingency Plan for Response to Wellhead Protection Area Groundwater Contamination" addresses this scenario.

If the wells become contaminated, an invaluable resource would include a previously established, consistent and strong public education program. Such a program would likely provide Village officials with the "benefit of the doubt" when explaining cleanup concentration goals, how clean is clean, projected schedules, costs, and funding.

Two parts of the long-term contingency planning for the Village will be based on the results of the Contaminant Source Inventory. First of all, the Village may initiate a system of self-monitoring for certain contaminants that have been identified near the wells. Specifically, the Village may sample for certain contaminants at a greater frequency than required by state law. The frequency and tests will be determined upon review of available files from a contaminated site. Secondly, future updates to the Contaminant Source Inventory may identify other chemicals that should be tested for more frequently than required by law. The Village will work closely with environmental professionals (state, county and private) to evaluate cost/benefit relationships of any testing beyond what is already completed by the Village.

Through the WHPP Renewal process, the Village discussed the importance of training new staff. In addition to encouraging new operators to obtain water licensing, the Village also requires that they attend trainings to earn continuing education credits. It is also important that new employees understand the importance of the WHPP Plan and WHPA. In the event of an emergency, employees should know how to respond.

New full-time DPW employees hired by the Village have received training on the emergency response protocol.

Since the Plan was last updated, the Village has not encountered any water supply emergencies.

## **VIII. PLAN FOR NEW WELLS**

The goal of this element is to provide a mechanism for incorporating new wells or wellfields into the WHPP. In the future, the Village may find it necessary to install new wells as a result of existing or projected increased water demand. Aging wells/infrastructure, or as the result of a contamination threat, to explore the development of additional groundwater sources for drinking water. The Village Maximum Daily Demand (from 2000 to present pumping records) and capacity is below EGLE's guidelines to begin the process of increasing firm capacity. When a new capacity is needed, wellhead protection provides a mechanism that can be used to help select the best site and to identify areas that should be protected now so they will be able to provide quality drinking water in the future when they are needed. Additionally, it should be realized that the development of a new groundwater source in the vicinity of existing sources (e.g., Lack's Industries) may modify the movement of groundwater in the subsurface, perhaps changing the shape and orientation of the existing WHPA. Evaluation of the significance of those changes is necessary in order to ensure that the management strategy in place will continue to protect the community's drinking water supply.

Generally, the Village will increase source capacity using a phased approach to conduct well site selection and to then conduct site-specific testing to evaluate potential sites. The phased approach will allow the Village to evaluate and address the many technical, operational, geological, WHPP elements, and financial factors involved in selecting potential well sites.

Village representatives, Village Engineer, EGLE engineers, County Health Department, and WHPP Team members would be involved in the site selection process. If needed, a review of EGLE files of known sources of contamination in potential locations or WHPAs of a new well is encouraged. Additionally, utilizing the State of Michigan Water Withdrawal Assessment Tool to determine areas that are not favorable for groundwater exploration because they may result in an Adverse Resource Impact (ARI) may be helpful.

Based on the initial results and the Village's schedule for constructing a new Type I water supply well, additional investigations will proceed on a time frame that will be established by the Village. The additional investigations will include field testing to confirm water quantity and quality at one or more preferred future well locations.

## **IX. PUBLIC PARTICIPATION, OUTREACH AND EDUCATION**

The goal of this element is to provide mechanisms for public participation and outreach regarding the Village's WHPP. The WHPP Plan Renewal included a review of the initial strategies and discussion of their effectiveness. Additionally, the Plan Renewal included review of other outreach and education activities identified by EGLE in their WHPP Renewal guidance or otherwise presented to the WHPP Team by F&V.

In developing the initial strategies for the Village's original WHPP, an emphasis was placed on selecting activities that would raise awareness of the Village's groundwater resources and also reduce the likelihood of existing and potential sources of contamination from reaching the community's drinking water supply wells. Some outreach strategies to protect the drinking water supply that are required under Michigan law are not described in this WHPP.

Several strategies that the Village practiced previously were reviewed by the Team 2000 as part of the initial WHPP. The Team was assigned the lead responsibility to recommend what specific strategies, if any, should be presented to the Village Council for further consideration.

During the last update, the Village implemented several management strategies for drinking water protection. They reviewed and reconsidered strategies to reflect current concepts, thoughts and experiences from both Michigan and other nearby states and communities. Additionally, the Team reviewed and reconsidered strategies that were selected in the past. Educational initiatives that have been pursued in the past, along with those that the Village plans to pursue in the future are included in the Public Participation, Outreach, and Education Schedule. Educational activities that the Village has pursued in the past are included in Attachment F.

## Public Participation, Outreach, and Education Schedule

Action	Objective	Goal	Measure of Accomplishment	Implementation Date and Frequency
<b>Awareness – Road Signs</b>	Inform transporters as to the location of the WHPA in case of a spill or major accident; or place signs in visible areas to create local awareness of the WHPP.	Raise WHPP Awareness.	Installed and maintained WHPA signs along major roads entering or crossing the WHPA.	Ongoing
<b>Awareness – LED Road Sign to Communicate WHP</b>	Keep concept of WHPP relevant in the community.	Remind community of WHPP using various WHPP slogans that would be presented periodically on the Village’s existing LED sign.	Number of days per year that a slogan is active on the sign.	2023 and annually
<b>Awareness – Hazardous Waste Collection</b>	Coordinate annual county hazardous materials recycling events within the Village.	Reduce uncontrolled disposal of hazardous materials.	Number of collection events.	2025 and annually
<b>Awareness – Storm Drain Markers and Participation in other Storm Water Management Efforts</b>	Identify and mark storm drains that discharge into surface water as improvements are made in the Village. Install rain gardens, green roofs, stormwater ordinances.	Reduce discharge of non-storm water materials into surface waters.	Number of discharge locations marked. Number of rain gardens/other stormwater management approach implemented.	2025
<b>Information Distribution – Website and/or Social Media</b>	Distribute information about the WHPP tailored towards prospective new customers current residents. Present a rotating selection of Public Service Announcements.	Inform the general public visiting the website of the WHPP or place information on social media page.	The presence of the WHPP information on the website or social media.	Annually

Action	Objective	Goal	Measure of Accomplishment	Implementation Date and Frequency
<b>Information Distribution – Consumer Confidence Report</b>	Provide WHPP information in the CCR.	Educate the water consumers on the water they use including wellhead protection.	The CCR distributed and made available on website.	Annually
<b>Information Distribution – Newsletters and/or Newspaper Publications</b>	Distribute general information about the WHPP to residents.	Publish various WHPP informational pieces in the local newsletter.	The number of publications distributed.	2023
<b>Teacher Training</b>	Present to local teachers on groundwater curriculum/environmental models.	Educate students about groundwater/environmental protection so that they can educate students.	Number of teachers educated and their plan to educate students.	2024
<b>Water and Wastewater Plant Tours</b>	Organize Tours of the Water or Wastewater Plants.	Educate students on the process.	Number of tours held annually and/or number of students participating.	2024

## **X. PLAN REVIEW AND UPDATE PROCESS**

EGLE encourages communities to keep their WHP Program active by updating their WHPP Plan every six years or as changes occur within the Program.

This WHPP Plan was completed in August 2023. Unless a significant change in the WHP Program prompts an earlier update of the Plan, the next WHPP Plan Update should take place before August 2029.

## **XI. SELECT REFERENCES**

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- Michigan Department of Environment, Great Lakes and Energy “Checklist for Wellhead Protection Program Renewal” (undated)
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- USEPA Web Page. (<https://www.epa.gov/sourcewaterprotection/>)
- Michigan Department of Natural Resources (1991). Community Planning & Zoning for Groundwater Protection in Michigan: A Guidebook for Local Officials.
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## GLOSSARY OF TERMS

### **Aquifer**

Permeable geologic material, such as rock, sand, or gravel, which contains water in sufficient quantities to supply a well.

### **Confined Aquifer**

1) An aquifer overlain and underlain by impermeable layers, such as clay; or 2) an aquifer in which the groundwater is under pressure greater than atmospheric pressure, and which will rise in a well above the point at which it is first encountered.

### **Critical Materials**

Substances that are listed in Michigan's "Critical Materials Register". The Register is a list of chemicals of high environmental concern. Facilities that store critical materials on site must submit a pollution incident prevention plan to the State, and they must provide secondary containment for the materials.

### **Groundwater Impact/Contamination**

The result of the spillage or discharge of hazardous substances or polluting materials into an aquifer.

### **Delineation**

The mapping out of the area through which groundwater moves to reach a drinking water supply well(s).

### **Environmental Regulations**

State environmental laws have been codified into one Act, the Natural Resources and Environmental Protection Act (Act 451 of 1994) (NREPA). The following "parts" deal directly with groundwater protection:

#### **Part 201 of NREPA, Environmental Remediation Section**

The State's own "Superfund" law, this section oversees the cleanup of contaminated sites in Michigan. The section also provides for the listing and prioritization of contaminated sites.

#### **Part 213 of NREPA, Leaking Underground Storage Tanks Section**

Regulates releases from underground storage tank systems in Michigan. The section also provides for the listing and prioritization of contaminated sites.

#### **Part 211 of NREPA, Underground Storage Tank Regulations**

Requires annual registration of underground storage tanks and compliance with leak detection requirements. Regulates response to discovered leaking tanks.

#### **Part 111 of NREPA, Hazardous Waste Management**

Regulates the storage, treatment, and disposal of hazardous waste. Requires permits for facilities that store, treat, or dispose of hazardous waste. Those that generate more than 1000 kilograms/month of hazardous waste are termed "large quantity generators" (LQG). These generators must report their waste generation to the State and to the EPA, provide secondary containment for liquid wastes, and prepare emergency plans. Those generating between 100 and 1000 kilograms/month are termed "small quantity generators" (SQG). These generators must report their waste generation to the State and the EPA. Those generating under 100 kilograms/month are "conditionally-exempt small quantity generators." They must keep records of their operations.

Part 111 also regulates the siting and operation of hazardous waste landfills.

#### **Part 115 of NREPA, Solid Waste Management**

Regulates the siting and operation of solid waste landfills.



**Part 31 of NREPA, Water Resources Protection**

Mandates the protection and conservation of the water resources of the State, including groundwater. Regulates discharges of pollution to ground and surface water. Requires facilities handling "critical materials" to prepare spill response plans and to provide secondary containment. Requires facilities discharging polluting materials to the groundwater (through floor drains or otherwise) to obtain a groundwater discharge permit. Regulates sanitary wastewater discharges of over 10,000 gallons per day.

**Part 615 of NREPA, Supervisor of Wells**

Regulates the drilling and operation of oil and gas wells, and the disposal of wastes created from such operations. Well drilling, operation, closure, and waste disposal must be carried out so that damage of fresh water supplies is prevented.

**Part 83 of NREPA, Pesticide Control**

Regulates the use of pesticides for agricultural uses.

**State laws not codified into NREPA:**

**Public Health Code (Act 368 of 1978)**

Regulates construction of private water wells. Part 127 requires that wells that are abandoned be properly plugged to prevent contamination.

**Michigan Safe Drinking Water Act (Act 399)**

Provides for the supervision and control of public water supplies and public health protection.

**Relevant Federal laws:**

**Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)**

Often called the "Superfund Act," it oversees and funds cleanup of contaminated sites.

**Underground Injection Control Program**

Regulates the underground injection of toxic waste. Hazardous waste operators injecting waste into wells must obtain a permit from the EPA.

**Safe Drinking Water Act (SDWA)**

A federal Act designed to protect drinking water. 1986 amendments require states to develop wellhead protection plans "to protect wellhead areas within their jurisdiction from contaminants which may have any adverse effects on the health of persons."

**Superfund Amendments and Reauthorization Act (SARA), Title III, Community Right-to-Know**

Requires facilities using certain amounts of hazardous substances to report their usage to the EPA and to the State. Facilities meeting certain criteria must also prepare emergency response plans.

**Toxic Substances Control Act (TSCA)**

Authorizes the EPA to require reporting, record-keeping, and testing requirements, and restrictions relating to chemical substances and/or mixtures. Certain substances are generally excluded from TSCA, including, among others, food, drugs, cosmetics and pesticides. TSCA addresses the production, importation, use, and disposal of specific chemicals including PCBs, asbestos, radon, and lead-based paint.

**Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)**

Federal statute that governs the registration, distribution, sale, and use of pesticides in the United States.

**Resource Conservation and Recovery Act (RCRA)**

Public law that creates the framework for the proper management of hazardous and non-hazardous solid waste.

**Clean Water Act (CWA)**

Establishes the basic structure for regulating discharges of pollutants into the waters of the United States and regulating quality standards for surface waters.

**Fire Fighter Right to Know Program**

Requires Fire Fighters to survey and inspect all facilities in their community that handle hazardous substances.

**Freedom of Information Act**

States that all information gathered by public agencies must be made available to the public upon request.

**Groundwater**

Freshwater that fills the spaces between sand, gravel, and clay underground.

**Hazardous Substance**

A chemical or other material that is or may become injurious to the public health, safety, or welfare, or to the environment. You can find hazardous substances in small and large businesses, farms, and households.

**Household Hazardous Waste**

Products used in the household or home garage that, when used, stored, or disposed of improperly, may pose a threat of contamination to the environment.

**Hydrogeology**

The study of water and geology, and how the two interact.

**Hydrogeologist**

A person who studies hydrogeology.

**Leaky Confined Aquifer**

An aquifer that has a confining layer of clay over it that is noncontiguous, allowing for some recharge ("leakage") from the surface.

**Secondary Containment**

Providing a kind of structure around a storage tank or container so that, if there is a spill, the substance will be contained.

**Site of Environmental Contamination**

Sites where leakage, spillage, or other discharge of hazardous substances or petroleum products has contaminated the groundwater or soil; and that the State has placed on its list of contaminated sites, under the Environmental Remediation Section (Part 201) or Leaking Underground Storage Tanks Section (Part 213) of the Natural Resources Environmental Protection Act, PA 451.

**Superfund Site**

A site listed as contaminated under the Federal Superfund law.

**Topographic Maps**

Maps produced by the U.S. Geological Survey that show roads, lakes, streams, wetlands, developed areas, municipal boundaries, elevation contours, and other features at a scale of 1:24,000.

**Tritium**

An isotope of water (a water molecule that has three hydrogen atoms instead of two). Atmospheric testing of nuclear weapons in the 1950s caused tritium levels in water supplies to increase. (Don't worry! Tritium is a harmless substance). Hydrogeologists test the level of tritium in water to measure the age of the water.

**Unconfined Aquifer**

An aquifer with the water table as its upper boundary. Because the aquifer is not under pressure, the water level in a well is the same as the water table outside the well.

**Underground Injection Wells**

Wells into which treated water and/or other wastes are injected for disposal.

**Underground Storage Tanks**

Tanks under the surface of the ground in which gasoline, fuel oil, and other substances are stored.

**Water Table**

The top of an unconfined aquifer where water pressure is equal to atmospheric pressure. The water table depth fluctuates with climate conditions on the land surface above and is usually gently curved, following a subdued version of the land surface topography.

**Well Logs**

Records that well drillers complete when they drill a residential or public drinking water well. Well logs contain information such as depth to water table, lithology, the type of well constructed, and the depth of the well.

**Wellhead**

The physical structure at the land surface through which groundwater is withdrawn from an aquifer.

**Wellhead Protection Area (WHPA)**

The surface and subsurface area surrounding a water well or wellfield through which contaminants are reasonably likely to move toward and reach such well or wellfield. The WHPA is the "catchment area" of concern for public water supplies dependent on groundwater.

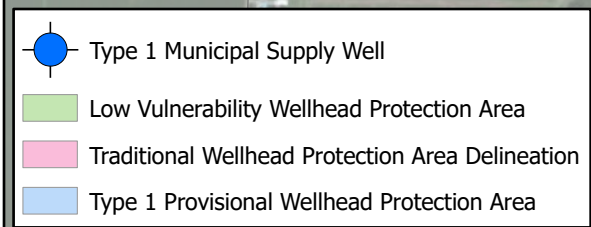
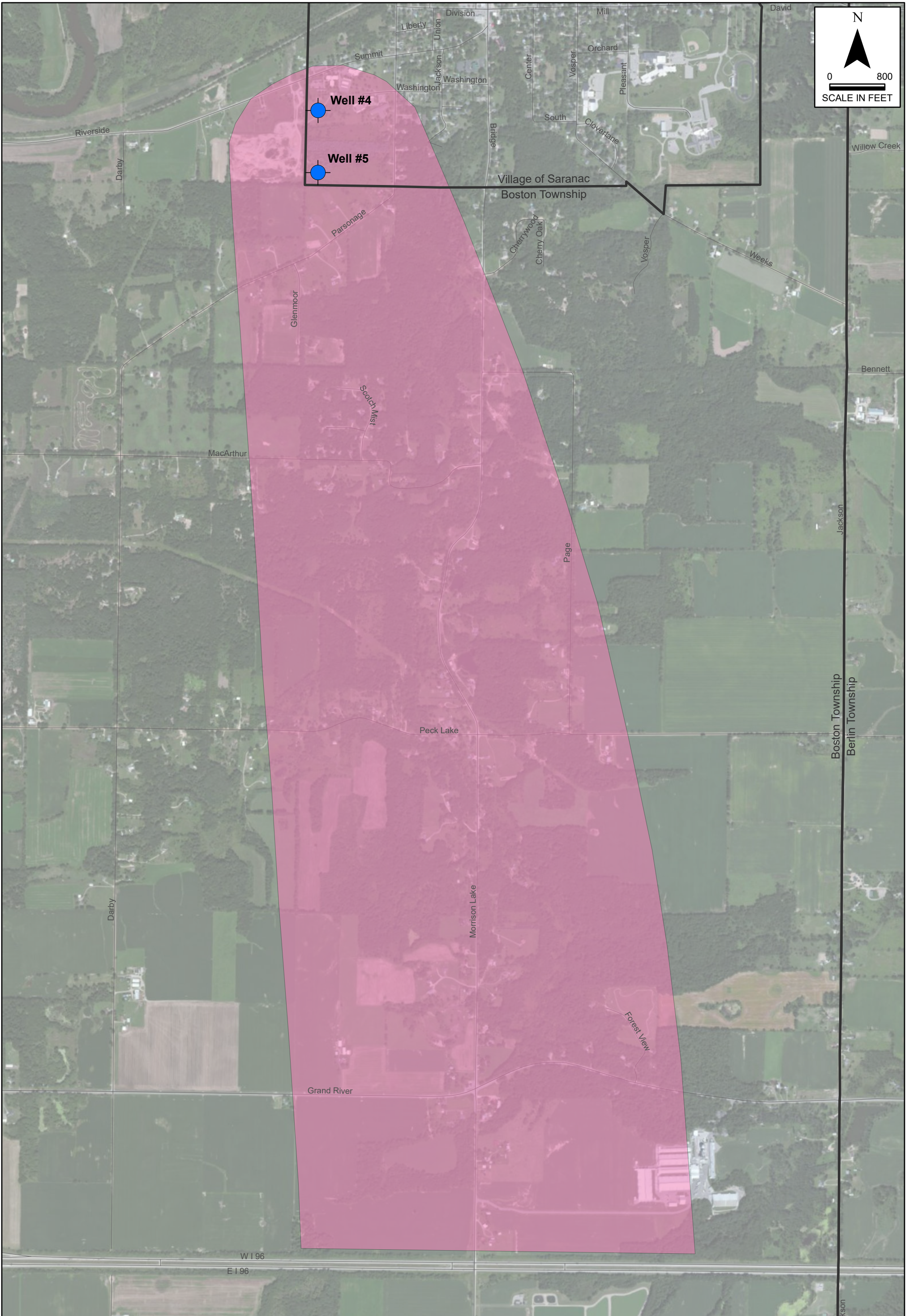
**Wellhead Protection Plan (WHPP)**

A plan developed by a community operating a public well water supply system that details how the community will work to protect their wells from contamination.

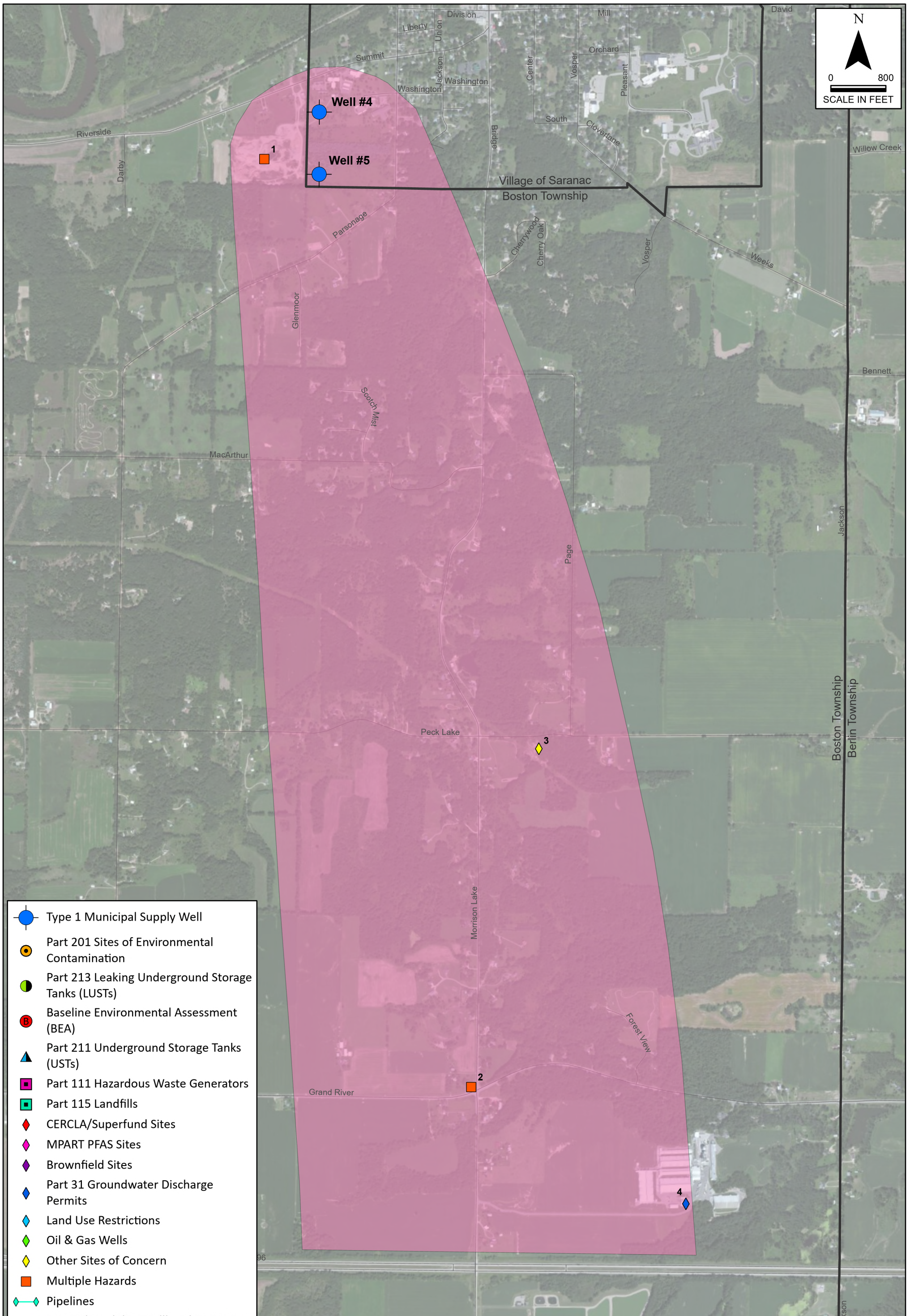
Adapted from: "*Wellhead Protection Community Guide*" Huron River Watershed Council, February 1997 pg. 171 - 176.
















## **FIGURES**

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**VILLAGE OF SARANAC**  
**WELLHEAD PROTECTION PROGRAM**  
 VILLAGE OF SARANAC, IONIA COUNTY, MICHIGAN  
**WELLHEAD PROTECTION PLAN RENEWAL 2022**  
**FIGURE 1 - WHPA & MUNICIPAL WELLS**



-  Type 1 Municipal Supply Well
-  Part 201 Sites of Environmental Contamination
-  Part 213 Leaking Underground Storage Tanks (LUSTs)
-  Baseline Environmental Assessment (BEA)
-  Part 211 Underground Storage Tanks (USTs)
-  Part 111 Hazardous Waste Generators
-  Part 115 Landfills
-  CERCLA/Superfund Sites
-  MPART PFAS Sites
-  Brownfield Sites
-  Part 31 Groundwater Discharge Permits
-  Land Use Restrictions
-  Oil & Gas Wells
-  Other Sites of Concern
-  Multiple Hazards
-  Pipelines
-  Low Vulnerability Wellhead Protection Area
-  Traditional Wellhead Protection Area Delineation
-  Type 1 Provisional Wellhead Protection Area

**VILLAGE OF SARANAC**  
**WELLHEAD PROTECTION PROGRAM**  
 VILLAGE OF SARANAC, IONIA COUNTY, MICHIGAN  
**WELLHEAD PROTECTION PLAN RENEWAL 2022**  
**FIGURE 2 - CONTAMINANT SOURCE INVENTORY**

F&V PROJECT NO. 03384C



# **ATTACHMENT A**

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Wellhead Protection Team & Other Important WHPP Contacts

Name	Title	Organization	Address	Phone	Email
Tony Koster	DPW Director/Fire Chief	Village of Saranac	27 N. Bridge Street, PO Box 312 Saranac MI 48881	616.642.6324	saranacfire@gmail.com
Sharon Darby	Village President	Village of Saranac	27 N. Bridge Street, PO Box 312 Saranac MI 48881	616.642.6324	Sharon.darby@cascadeng.com
Becky Straubel	Village Treasurer	Village of Saranac	27 N. Bridge Street, PO Box 312 Saranac MI 48881	616.642.6324	saranacoffice@gmail.com
Sandy Whorley	Business & Industry	Local Business Owner Shear Style Salon	315 Cloverlane Saranac, MI 48881	616.240.3358	shearstyles@yahoo.com
Mark Novak	Reg. Env. Health Specialist	Ionia Co. Health Department	175 E. Adams St., Ionia MI 48846	616.527.5341	mnovak@ioniacounty.org
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Jordan Austin	Agriculture	Farmer	8280 Peck Lake Rd. Saranac, MI 48881	616.915.3060	farmboyjoe@gmail.com
S. David Shaw	Planning	Village of Saranac	27 N. Bridge Street, PO Box 312 Saranac MI 48881	616.642.6324	dave@adventuresonline.com
Jason Smith	Education	Saranac Superintendent of Schools	225 S. Pleasant St., Saranac MI 48881	616.642.1400	smithjas@scs-staff.org
Dennis G. Bowen	Adjacent Municipality	Boston Twp. Supervisor	30 N. Center Street Saranac MI 48881	616.642.6636, Ext. #2	Dennisbowen49@gmail.com





**OTHER IMPORTANT WHPP CONTACTS**

<b>Name</b>	<b>Organization</b>	<b>Address</b>	<b>Phone</b>	<b>Email</b>
Samuel Blazey	U.S. Environmental Protection Agency, Region 5, Water Division, Ground Water and Drinking Water Branch	77 West Jackson Blvd Chicago, IL 60604	312-353-8973	blazey.samuel@epa.gov
Jason Berndt	EGLE Drinking Water and Environmental Health Division, Environmental Health Section, Source Water Unit, Gaylord Office	2100 West M-32 Gaylord, MI 49735	517-203-9631	BerndtJ1@michigan.gov
Sara Pearson	EGLE Drinking Water and Environmental Health Division, Environmental Health Section, Source Water Unit, Lansing Office	Constitution Hall 1st Floor, S Tower 525 W Allegan Street Lansing, MI 48933	517-420-3219	PearsonS@michigan.gov



# **ATTACHMENT B**

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Categories of Potential Sources of Contamination

## ATTACHMENT B

### CATEGORIES OF POTENTIAL SOURCES OF CONTAMINATION

#### AGRICULTURAL SOURCES (K)<sup>5</sup>

TYPE OF SOURCE	HEALTH, ENVIRONMENTAL, OR AESTHETIC CONTAMINANT <sup>1,2,3</sup>
<b>Animal feedlots (0006)<sup>4</sup> and burial areas (0007)</b>	Livestock sewage wastes; nitrates; phosphates; chloride; chemical sprays and dips for controlling insect, bacterial, viral, and fungal pests on livestock; coliform <sup>6</sup> and noncoliform bacteria; viruses
<b>Manure spreading areas (0008) and storage pits (0009)</b>	Livestock sewage wastes; nitrates
<b>Livestock waste disposal areas (0010)</b>	Livestock sewage wastes; nitrates
<b>Crop areas and irrigation sites (0011)</b>	Pesticides; <sup>7</sup> fertilizers; <sup>8</sup> gasoline and motor oils from chemical applicators
<b>Chemical storage areas and containers (0012)</b>	Pesticide <sup>7</sup> and fertilizer <sup>8</sup> residues
<b>Farm machinery areas (0013)</b>	Automotive wastes; <sup>9</sup> welding wastes
<b>Agricultural drainage wells (0014) and canals (0015)</b>	Pesticides; <sup>7</sup> fertilizers; <sup>8</sup> bacteria; salt water (in areas where the fresh-saltwater interface lies at shallow depths and where the water table is lowered by channelization, pumping, or other causes)

#### RESIDENTIAL SOURCES (D)

TYPE OF SOURCE	HEALTH, ENVIRONMENTAL, OR AESTHETIC CONTAMINANT <sup>1,2,3</sup>
<b>Common household maintenance and hobbies (0016)</b>	<u>Common Household Products:</u> <sup>10</sup> Household cleaners; oven cleaners; drain cleaners; toilet cleaners; disinfectants; metal polishes; jewelry cleaners; shoe polishes; synthetic detergents; bleach; laundry soil and stain removers; spot removers and dry cleaning fluid; solvents; lye or caustic soda; household pesticides; <sup>11</sup> photochemicals; printing ink; other common products; <u>Wall and Furniture Treatments:</u> Paints; varnishes; stains; dyes; wood preservatives (creosote); paint and lacquer thinners; paint and varnish removers and deglossers; paint brush cleaners; floor and furniture strippers; <u>Mechanical Repair and Other Maintenance Products:</u> Automotive wastes; <sup>9</sup> waste oil; diesel fuel; kerosene; #2 heating oil; grease; degreasers for driveways and garages; metal degreasers; asphalt and roofing tar; tar removers; lubricants; rustproofers; car wash detergents; car waxes and polishes; rock salt; refrigerants
<b>Lawns and gardens (0017)</b>	Fertilizers; <sup>7</sup> herbicides and other pesticides used for lawn and garden maintenance <sup>12</sup>
<b>Swimming pools (0018)</b>	Swimming pool maintenance chemicals <sup>13</sup>
<b>Septic systems (0019), cesspools (0020), and sewer lines (0021)</b>	Septage; coliform and noncoliform bacteria; <sup>6</sup> viruses; nitrates; heavy metals; synthetic detergents; cooking and motor oils; bleach; pesticides; <sup>11, 12</sup> paints; paint thinner; photographic chemicals; swimming pool chemicals; <sup>11</sup> septic tank/cesspool cleaner chemicals; <sup>14</sup> elevated levels of chloride, sulfate, calcium, pharmaceutical wastes, magnesium, potassium and phosphate
<b>Underground storage tanks (0022)</b>	Home heating oil
<b>Apartments and condominiums (0023)</b>	Swimming pool maintenance chemicals; <sup>13</sup> pesticides for lawn and garden maintenance and cockroach, termite, ant, rodent, and other pest control; <sup>11,12</sup> wastes from on-site sewage treatment plants; household hazardous wastes <sup>10</sup>

**GOVERNMENT SOURCES (E)**

TYPE OF SOURCE	HEALTH, ENVIRONMENTAL, OR AESTHETIC CONTAMINANT <sup>1,2,3</sup>
<b>Schools (0024) and government offices and grounds (0025)</b>	Solvents; pesticides; <sup>11,12</sup> acids; alkalis; waste oils; machinery/vehicle servicing wastes; gasoline and heating oil from storage tanks; general building wastes <sup>15</sup>
<b>Park lands (0026)</b>	Fertilizers; <sup>8</sup> herbicides; <sup>12</sup> insecticides <sup>11</sup>
<b>Public and residential areas infested with mosquitoes, gypsy moths, ticks, ants, or other pests (0027)</b>	Pesticides <sup>7,11</sup>
<b>Highways, road maintenance depots, and deicing operations (0028)</b>	Herbicides in highway rights-of-way; <sup>7,12</sup> road salt (sodium and calcium chloride); road salt anticaking additives (ferric ferrocyanide, sodium ferrocyanide); road salt anticorrosives (phosphate and chromate); automotive wastes <sup>9</sup> ; diesel fuel, gasoline from storage tanks.
<b>Municipal sewage treatment plants and sewer lines (0029)</b>	Municipal wastewater; sludge; <sup>16</sup> treatment chemicals <sup>17</sup>
<b>Storage, treatment, and disposal ponds, lagoons, and other surface impoundments (0030)</b>	Sewage wastewater; nitrates; other liquid wastes; microbiological contaminants
<b>Land areas applied with wastewater or wastewater byproducts (0031)</b>	Organic matter; nitrate; inorganic salts; heavy metals; coliform and noncoliform bacteria; <sup>6</sup> viruses; nitrates; sludge; <sup>16</sup> nonhazardous wastes <sup>18</sup>
<b>Storm water drains and basins (0032)</b>	Urban runoff; gasoline; oil; other petroleum products; road salt; microbiological contaminants
<b>Combined sewer overflows (municipal sewers and storm water drains) (0033)</b>	Municipal wastewater; sludge; <sup>16</sup> treatment chemicals; <sup>17</sup> urban runoff; gasoline; oil; other petroleum products; road salt; microbial contaminants
<b>Recycling/reduction facilities (0034)</b>	Residential and commercial solid waste residues
<b>Municipal waste landfills (0035)</b>	Leachate; organic and inorganic chemical contaminants; wastes from households <sup>10</sup> and businesses; <sup>15</sup> nitrates; oils; metals
<b>Open dumping and burning sites (0036), closed dumps (0037)</b>	Organic and inorganic chemicals; metals; oils; wastes from households <sup>10</sup> and businesses <sup>15</sup>
<b>Municipal incinerators (0038)</b>	Heavy metals; hydrocarbons; formaldehyde; methane; ethane; ethylene; acetylene; sulfur and nitrogen compounds
<b>Water supply wells, monitoring wells, older wells, domestic and livestock wells (0039), unsealed and abandoned wells (0040), and test hole/wells (0041)</b>	Surface runoff; effluents from barnyards, feedlots, septic tanks, or cesspools; gasoline; used motor oil; road salt
<b>Sumps and dry wells (0042)</b>	Storm water runoff; spilled liquids; used oil; antifreeze; gasoline; other petroleum products; road salt; pesticides; <sup>7</sup> and a wide variety of other substances
<b>Drainage wells (0043)</b>	Pesticides; <sup>11,12</sup> bacteria
<b>Well pumping that causes interaquifer leakage, induced filtration, landward migration of sea water in coastal areas; etc. (0044)</b>	Saltwater; excessively mineralized water
<b>Artificial groundwater recharge (0045)</b>	Storm water runoff; excess irrigation water; stream flow; cooling water; treated sewage effluent; other substances that may contain contaminants, such as nitrates, metals, detergents, synthetic organic compounds, bacteria, and viruses

**COMMERCIAL SOURCES (C)**

TYPE OF SOURCE	HEALTH, ENVIRONMENTAL, OR AESTHETIC CONTAMINANT <sup>1,2,3</sup>
<b>Airports (0046), abandoned airfields (0047)</b>	Jet fuels; deicers; diesel fuel, aircraft fuel from aircraft and storage tanks; chlorinated solvents; automotive wastes; <sup>9</sup> heating oil; building wastes <sup>15</sup>
<b>Auto repair shops (0048)</b>	Waste oils; solvents; acids; paints; automotive wastes; <sup>9</sup> misc. cutting oils
<b>Barber and beauty shops (0049)</b>	Perm solutions; dyes; miscellaneous chemicals contained in hair rinses
<b>Boat yards and marinas (0050)</b>	Diesel fuels; oil; septage from boat waste disposal areas gasoline and diesel fuels from storage tanks ; wood preservative and treatment chemicals; paints; waxes; varnishes; automotive wastes <sup>9</sup>
<b>Bowling alleys (0051)</b>	Epoxy; urethane-based floor finish
<b>Car dealerships (especially those with service depts.) (0052)</b>	Automotive wastes; <sup>9</sup> waste oils; solvents; miscellaneous wastes
<b>Car washes (0053)</b>	Soaps; detergents; waxes; miscellaneous chemicals; waste grease, motor oil and fuel
<b>Camp grounds (0054)</b>	Septage; gasoline; diesel fuel from boats; pesticides for controlling mosquitoes, ants, ticks, gypsy moths, and other pests; <sup>7,11</sup> household hazardous wastes from recreational vehicles (RVs) <sup>10</sup>
<b>Carpet stores (0055)</b>	Glues and other adhesives; fuel from storage tanks if forklifts are used
<b>Cemeteries (0056)</b>	Leachate; lawn and garden maintenance chemicals <sup>12</sup>
<b>Construction trade areas and materials (plumbing, heating and air conditioning, painting, paper hanging, decorating, drywall and plastering, acoustical insulation, carpentry, flooring, roofing and sheet metal, wrecking and demolition, etc.) (0057)</b>	Solvents; asbestos; paints; glues and other adhesives; waste insulation; lacquers; tars; sealants; epoxy waste; miscellaneous chemical wastes
<b>Country clubs (0058)</b>	Fertilizers; <sup>8</sup> herbicides; <sup>7,12</sup> pesticides for controlling mosquitoes, ticks, ants, gypsy moths, and other pests; <sup>11</sup> swimming pools chemicals; <sup>13</sup> automotive wastes
<b>Dry cleaners (0059)</b>	Solvents (perchloroethylene, petroleum solvents, Freon); spotting chemicals (trichloroethane, methylchloroform, ammonia, peroxides, hydrochloric acid, rust removers, amyl acetate)
<b>Funeral services and crematories (0060)</b>	Formaldehyde; wetting agents; fumigants; solvents
<b>Furniture repair and finishing shops (0061)</b>	Paints; solvents; degreasing and solvent recovery sludges
<b>Gasoline services stations (0062)</b>	Oils; solvents; miscellaneous wastes
<b>Hardware/lumber/parts stores (0063)</b>	Hazardous chemical products in inventories; heating oil and fork lift fuel from storage tanks; wood-staining and treating products such as creosote
<b>Heating oil companies, underground/above ground storage tanks (0064)</b>	Heating oil; wastes from truck maintenance areas <sup>9</sup>
<b>Horticultural practices, garden nurseries, florists (0065)</b>	Herbicides, insecticides, fungicides, and other pesticides <sup>12</sup>
<b>Jewelry/metal plating shops (0066)</b>	Sodium and hydrogen cyanide; metallic salts; hydrochloric acid; sulfuric acid; chromic acid
<b>Laundromats (0067)</b>	Detergents; bleaches; fabric dyes
<b>Medical institutions (0068)</b>	X-ray developers and fixers; <sup>19</sup> infectious wastes; radiological wastes; biological wastes; disinfectants; asbestos; beryllium; dental acids; miscellaneous chemicals
<b>Office buildings (0069)</b>	Building wastes; <sup>15</sup> lawn/garden maintenance chemicals; <sup>12</sup> gasoline; oil

**COMMERCIAL SOURCES (C) – continued**

TYPE OF SOURCE	HEALTH, ENVIRONMENTAL, OR AESTHETIC CONTAMINANT <sup>1,2,3</sup>
<b>Paint stores (0070)</b>	Paints; paint thinners; lacquers; varnishes; other wood treatments
<b>Photography shops, photo processing laboratories (0072)</b>	Biosludges; silver sludges; cyanides; miscellaneous sludge
<b>Print shops (0073)</b>	Solvents; inks; dyes; oils; photographic chemicals
<b>Railroad tracks and yards (0074)</b>	Diesel fuel; herbicides for rights-of-way; creosote for preserving wood ties
<b>Research laboratories (0075)</b>	X-ray developers and fixers; <sup>19</sup> infectious wastes; radiological wastes; biological wastes; disinfectants; asbestos; beryllium; solvents; infectious materials; drugs; disinfectants (quaternary ammonia, hexachlorophene, peroxides, chlornexade; bleach); miscellaneous chemicals
<b>Scrap and junk yards (0076)</b>	Any wastes from businesses <sup>15</sup> and households; <sup>10</sup> oils
<b>Sports and hobby shops (0077)</b>	Gunpowder and ammunition; rocket engine fuel; model airplane glue
<b>Aboveground and underground storage tanks (0078)</b>	Heating oil; diesel fuel; gasoline; other petroleum products; other commercially used chemicals
<b>Pharmacies (0071)</b>	Spilled and returned products
<b>Transportation services for passenger transit (local and interurban) (0079)</b>	Waste oil; solvents; gasoline and diesel fuel from vehicles and storage tanks; fuel oil; other automotive wastes <sup>9</sup>
<b>Veterinary services (0080)</b>	Solvents; infectious materials; vaccines; drugs; disinfectants (quaternary ammonia, hexachlorophene, peroxides, chlornexade, bleach); x-ray developers and fixers <sup>19</sup>

**INDUSTRIAL SOURCES (B)**

TYPE OF SOURCE	HEALTH, ENVIRONMENTAL, OR AESTHETIC CONTAMINANT <sup>1,2,3</sup>
<b>Material stockpiles (coal, metallic ores, phosphates, gypsum) (0081)</b>	Acid drainage; other hazardous and nonhazardous wastes <sup>18</sup>
<b>Waste tailing ponds (commonly for the disposal of mining wastes) (0082)</b>	Acids; metals; dissolved solids; radioactive ores; other hazardous and nonhazardous wastes <sup>17</sup>
<b>Transport and transfer stations (trucking terminals and rail yards) (0083)</b>	Fuel tanks; repair shop wastes; <sup>9</sup> other hazardous and nonhazardous wastes <sup>17</sup>
<b>Aboveground and underground storage tanks and containers (0084)</b>	Heating oil; diesel and gasoline fuel; other petroleum products; hazardous and nonhazardous materials and wastes <sup>18</sup>
<b>Storage, treatment, and disposal ponds, lagoons, and other surface impoundments (0085)</b>	Hazardous and nonhazardous liquid wastes; <sup>18</sup> septage; sludge <sup>16</sup>
<b>Chemical landfills (0086)</b>	Leachate; hazardous and nonhazardous wastes; <sup>18</sup> nitrates
<b>Radioactive waste disposal sites (0087)</b>	Radioactive wastes from medical facilities, power plants, and defense operations; radionuclides (uranium, plutonium)
<b>Unattended wet and dry excavation sites (unregulated dumps) (0088)</b>	A wide range of substances; solid and liquid wastes; oil-field brines; spent acids from steel mill operations; snow removal piles containing large amounts of salt
<b>Operating and abandoned production and exploratory wells (for gas, oil, coal, geothermal, and heat recovery); test hole wells; monitoring and excavation wells (0089)</b>	Metals; acids; minerals; sulfides; other sulfides; other hazardous and nonhazardous chemicals <sup>18</sup>
<b>Dry wells (0090)</b>	Saline water from wells pumped to keep them dry
<b>Injection wells (0091)</b>	Highly toxic wastes; hazardous/ nonhazardous wastes; <sup>18</sup> oil-field brines
<b>Well drilling operations (0092)</b>	Brines associated with oil and gas operations

**INDUSTRIAL PROCESSES (B) (PRESENTLY OPERATED OR TORN-DOWN FACILITIES)<sup>20</sup>**

TYPE OF SOURCE	HEALTH, ENVIRONMENTAL, OR AESTHETIC CONTAMINANT <sup>1,2,3</sup>
<b>Asphalt plants (0093)</b>	Petroleum derivatives
<b>Communications equipment manufacturers (0094)</b>	Nitric, hydrochloric, and sulfuric acid wastes; heavy metal sludges; copper-contaminated etchant (e.g., ammonium persulfate); cutting oil and degreasing solvent (trichloroethane, Freon, or trichloroethylene); waste oils; corrosive soldering flux; paint sludge; waste plating solution
<b>Electric and electronic equipment manufacturers and storage facilities (0095)</b>	Cyanides; metal sludges; caustics (chromic acid); solvents; oils; alkalis; acids; paints and paint sludges; calcium fluoride sludges; methylene chloride; perchloroethylene; trichloroethane; acetone; methanol; toluene; PCBs
<b>Electroplaters (0096)</b>	Boric, hydrochloric, hydrofluoric, and sulfuric acids; sodium and potassium hydroxide; chromic acid; sodium and hydrogen cyanide; metallic salts
<b>Foundries and metal fabricators (0097)</b>	Paint wastes; acids; heavy metals; metal sludges; plating wastes; oils; solvents; explosive wastes
<b>Furniture and fixtures manufacturers (0098)</b>	Paints; solvents; degreasing sludges; solvent recovery sludges
<b>Machine and metalworking shops (0100)</b>	Solvents; metals; miscellaneous organics; sludges; oily metal shavings; lubricant and cutting oils; degreasers (TCE); metal marking fluids; mold-release agents
<b>Mining operations (surface and underground) (0101)</b>	Mine spoils or tailings that often contain metals; acids; highly corrosive mineralized waters; metal sulfides
<b>Unsealed abandoned mines used as waste pits (0102)</b>	Metals; acids; minerals; sulfides; other hazardous and nonhazardous chemicals <sup>18</sup>
<b>Paper mills (0103)</b>	Metals; acids; minerals; sulfides; other hazardous and nonhazardous chemicals; <sup>18</sup> organic sludges; sodium hydroxide; chlorine; hypochlorite; chlorine dioxide; hydrogen peroxide
<b>Petroleum production and storage companies, secondary recovery of petroleum (0104)</b>	Hydrocarbons; oil-field brines (highly mineralized salt solutions)
<b>Industrial pipeline (0105)</b>	Corrosive fluids; hydrocarbons; other hazardous and nonhazardous materials and wastes <sup>18</sup>
<b>Photo processing laboratories (0106)</b>	Cyanides; biosludges; silver sludges; miscellaneous sludges
<b>Plastics materials and synthetics producers (0107)</b>	Solvents; oils; miscellaneous organics and inorganics (phenols, resins); paint wastes; cyanides; acids; alkalis; wastewater treatment sludges; cellulose esters; surfactant; glycols; phenols; formaldehyde; peroxides; etc.
<b>Primary metal industries (blast furnaces, steel works, and rolling mills) (0108)</b>	Heavy metal wastewater treatment sludge; pickling liquor; waste oil; ammonia scrubber liquor; acid tar sludge; alkaline cleaners; degreasing solvents; salt; metal dust
<b>Publishers, printers, and allied industries (0109)</b>	Solvents; inks; dyes; oils; miscellaneous organics; photographic chemicals
<b>Public utilities (phone, electric power, gas) (0110)</b>	PCBs from transformers and capacitors; oils; solvents; sludges; acid solution; metal plating solutions (chromium, nickel, cadmium); herbicides from utility rights-of-way
<b>Sawmills and planers (0111) and gluing wastes</b>	Treated wood residue (copper quinolate, mercury, sodium bazide); tanner gas; paint sludges; solvents; creosote; coating
<b>Stone, clay, and glass manufacturers (0112)</b>	Solvents; oils and grease; alkalis; acetic wastes; asbestos; heavy metal sludges; phenolic solids or sludges; metal-finishing sludge
<b>Welders (0113)</b>	Oxygen, acetylene
<b>Wood preserving facilities (0114)</b>	Wood preservatives; creosote



**Key to footnotes**

- <sup>1</sup>In general, surface and groundwater contamination stems from the misuse and improper disposal of liquid and solid wastes; the illegal dumping or abandonment of household, commercial, or industrial chemicals; the accidental spilling of chemicals from trucks, railways, aircraft, handling facilities, and storage tanks; or the improper siting, design, construction, operation, or maintenance of agricultural, residential, municipal, commercial, and industrial drinking water wells and liquid and solid waste disposal facilities. Contaminants also can stem from atmospheric pollutants, such as airborne sulfur and nitrogen compounds, which are created by smoke, flue dust, aerosols, and automobile emissions, fall as acid rain, and percolate through the soil. When the sources listed on this table are used and managed properly, groundwater contamination is not likely to occur.
- <sup>2</sup>Contaminants can reach surface and groundwater from activities occurring on the land surface, such as industrial waste storage; from sources below the land surface but above the water table, such as septic systems; from structures beneath the water table, such as wells; or from contaminated recharge water.
- <sup>3</sup>This table lists most common wastes, but not all potential wastes. For example, it is not possible to list all potential contaminants contained in storm water runoff or research laboratory wastes.
- <sup>4</sup>Contaminant WHPP Number.
- <sup>5</sup>Facility WHPP Code.
- <sup>6</sup>Coliform bacteria can indicate the presence of pathogenic (disease-causing) microorganisms that may be transmitted in human feces. Diseases such as typhoid fever, hepatitis, diarrhea, and dysentery can result from sewage contamination of water supplies.
- <sup>7</sup>Pesticides include herbicides, insecticides, rodenticides, fungicides, and avicides; many are highly toxic and quite mobile in the subsurface. An EPA survey found that the most common pesticides found in drinking water wells were DCPA (dacthal) and atrazine (EPA, 1990b), which EPA classifies as moderately toxic (class 3) and slightly toxic (class 4) materials, respectively (Meister Publishing Company, 1991).
- <sup>8</sup>The EPA National Pesticides Survey (EPA, 1991) found that the use of fertilizers correlates to nitrate contamination of groundwater supplies.
- <sup>9</sup>Automotive wastes can include gasoline; antifreeze; automatic transmission fluid; battery acid; engine and radiator flushes; engine and metal degreasers; hydraulic (brake) fluid; and motor oils.
- <sup>10</sup>Toxic or hazardous components of common household products are noted on the attached table (EPA 1990c).
- <sup>11</sup>Common household pesticides for controlling pests such as ants, termites, bees, wasps, flies, cockroaches, silverfish, mites, ticks, fleas, worms, rats, and mice can contain active ingredients including naphthalene, phosphorus, xylene, chloroform, heavy metals, chlorinated hydrocarbons, arsenic, strychnine, kerosene, nitrosamines, and dioxin.
- <sup>12</sup>Common pesticides used for lawn and garden maintenance (e.g., weed killers, and mite, grub, and aphid controls) include such chemicals as 2,4-D; chlorpyrifos; diazinon; benomyl; captan; dicofol; and methoxychlor.
- <sup>13</sup>Swimming pool chemicals can contain free and combined chlorine; bromine; iodine; mercury-based, copper-based, and quaternary algaecides; cyanuric acid; calcium or sodium hypochlorite; muriatic acid; sodium carbonate.
- <sup>14</sup>Septic tank/cesspool cleaners include synthetic organic chemicals such as 1,1,1 trichloroethane, tetrachloroethylene, carbon tetrachloride, and methylene chloride.
- <sup>15</sup>Common wastes from public and commercial buildings include automotive wastes (see above definition); rock salt; and residues from cleaning products that may contain chemicals such as xylenols, glycol esters, isopropanol, 1,1,1-trichloroethane, sulfonates, chlorinated phenols, and cresols.

**Key to footnotes (cont.)**

<sup>16</sup>Municipal wastewater treatment sludge can contain organic matter; nitrates; inorganic salts; heavy metals; coliform and noncoliform bacteria (see above definition); and viruses.

<sup>17</sup>Municipal wastewater treatment chemicals include calcium oxide; alum; activated alum, carbon, and silica; polymers; ion exchange resins; sodium hydroxide; chlorine; ozone; and corrosion inhibitors.

<sup>18</sup>The Resource Conservation and Recovery Act (RCRA) defines a hazardous waste as a solid waste that may cause an increase in mortality or serious illness or pose a substantial threat to human health and the environment when improperly treated, stored, transported, disposed of, or otherwise managed. A waste is hazardous if it exhibits characteristics of ignitability, corrosivity, reactivity, and/or toxicity. Not covered by RCRA regulations are domestic sewage; irrigation waters or industrial discharges allowed by the Clean Water Act; certain nuclear and mining wastes; household wastes; agricultural wastes (excluding some pesticides); and small quantity hazardous wastes (i.e., less than 220 pounds per month) discharged from businesses.

<sup>19</sup>X-ray developers and fixers may contain reclaimable silver, glutaldehyde, hydroquinone, phenedone, potassium bromide, sodium sulfite, sodium carbonate, thiosulfates, and potassium alum.

<sup>20</sup>This table lists potential surface and groundwater contaminants from many common industries, but it does not address all industries.

*Source: Wyoming Department of Environmental Quality*

# **ATTACHMENT C**

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Contaminant Source Inventory Information

**Village of Saranac**

Village of Saranac  
Saranac, MI 48881

Inquiry Number: 7199062.5s  
December 08, 2022

## EDR Area / Corridor Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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

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## EXECUTIVE SUMMARY

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

### SUBJECT PROPERTY INFORMATION

#### ADDRESS

VILLAGE OF SARANAC  
SARANAC, MI 48881

### TARGET PROPERTY SEARCH RESULTS

The Target Property was identified in the following databases.

Page Numbers and Map Identifications refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

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

### STANDARD ENVIRONMENTAL RECORDS

#### ***Lists of state and tribal leaking storage tanks***

LUST: Leaking Underground Storage Tank Sites

A review of the LUST list, as provided by EDR, and dated 05/11/2022 has revealed that there is 1 LUST site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b><i>BARRY PROPERTY</i></b> Release Status: Open Substance Release: Gasoline Facility Id: 00008056	<b><i>7122 GRAND RIVER AVE</i></b>	<b><i>B5 / 8</i></b>	<b><i>34</i></b>

#### ***Lists of state and tribal registered storage tanks***

UST: Underground Storage Tank Facility List

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b><i>BARRY PROPERTY</i></b> Database: UST, Date of Government Version: 08/01/2022 Tank Status: Removed from Ground	<b><i>7122 GRAND RIVER AVE</i></b>	<b><i>B5 / 8</i></b>	<b><i>34</i></b>

## EXECUTIVE SUMMARY

Facility Type: CLOSED  
Facility Id: 00008056

### ADDITIONAL ENVIRONMENTAL RECORDS

#### **Local Lists of Hazardous waste / Contaminated Sites**

INVENTORY: Inventory of Facilities

A review of the INVENTORY list, as provided by EDR, and dated 07/18/2022 has revealed that there is 1 INVENTORY site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>BARRY PROPERTY</b> Facility ID: 8056	<b>7122 GRAND RIVER AVE</b>	<b>B5 / 8</b>	<b>34</b>

CDL: Clandestine Drug Lab Listing

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

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
Not reported	BRIDGE ST MAIN	3 / 8	33

#### **Other Ascertainable Records**

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 11/21/2022 has revealed that there is 1 RCRA NonGen / NLR site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>BARRY PROPERTY</b> EPA ID:: MI0001010800	<b>7122 GRAND RIVER AVE</b>	<b>B5 / 8</b>	<b>34</b>

US MINES: Mines Master Index File

A review of the US MINES list, as provided by EDR, has revealed that there is 1 US MINES site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>SHALER EXCAVATING IN</b> Database: MINES VIOLATIONS, Date of Government Version: 08/01/2022	<b>7549 W. RIVERSIDE DR</b>	<b>A1 / 2</b>	<b>30</b>

## EXECUTIVE SUMMARY

### ABANDONED MINES: Abandoned Mines

A review of the ABANDONED MINES list, as provided by EDR, and dated 09/13/2022 has revealed that there is 1 ABANDONED MINES site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>SHALER EXCAVATING IN</b>	<b>7549 W. RIVERSIDE DR</b>	<b>A1 / 2</b>	<b>30</b>

### FINDS: Facility Index System/Facility Registry System

A review of the FINDS list, as provided by EDR, and dated 08/03/2022 has revealed that there is 1 FINDS site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>BARRY PROPERTY</b> Registry ID:: 110003571288	<b>7122 GRAND RIVER AVE</b>	<b>B5 / 8</b>	<b>34</b>

### ECHO: Enforcement & Compliance History Information

A review of the ECHO list, as provided by EDR, and dated 06/25/2022 has revealed that there is 1 ECHO site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>BARRY PROPERTY</b> Registry ID: 110003571288	<b>7122 GRAND RIVER AVE</b>	<b>B5 / 8</b>	<b>34</b>

### AIRS: Permit and Emissions Inventory Data

A review of the AIRS list, as provided by EDR, and dated 09/13/2022 has revealed that there is 1 AIRS site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>RISNER SAND &amp; GRAVEL</b> State Registration Id: P0604	<b>7549 RIVERSIDE DRIVE</b>	<b>A2 / 2</b>	<b>32</b>

### BEA: Baseline Environmental Assessment Database

A review of the BEA list, as provided by EDR, and dated 08/10/2022 has revealed that there is 1 BEA site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>BARRY PROPERTY</b>	<b>7122 GRAND RIVER AVE</b>	<b>B5 / 8</b>	<b>34</b>



## EXECUTIVE SUMMARY

WDS: Waste Data System

A review of the WDS list, as provided by EDR, and dated 08/11/2022 has revealed that there is 1 WDS site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>BARRY PROPERTY</b> Site Id: MI0001010800 WMD Id: 391799	<b>7122 GRAND RIVER AVE</b>	<b>B5 / 8</b>	<b>34</b>

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR Hist Auto: EDR Exclusive Historical Auto Stations

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
RITTERS SERVICE	7122 GRAND RIVER AVE	B7 / 8	42

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

A review of the RGA LUST list, as provided by EDR, has revealed that there are 2 RGA LUST sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
GRACE RITTER PROPERT Facility ID: 8056 Facility ID: 00008056	7122 GRAND RIVER AVE	B4 / 8	33
GRACE RITTER PROPERT Facility ID: 0-008056	7122 GRAND RIVER	B6 / 8	42

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Page Numbers and Map Identifications refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

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

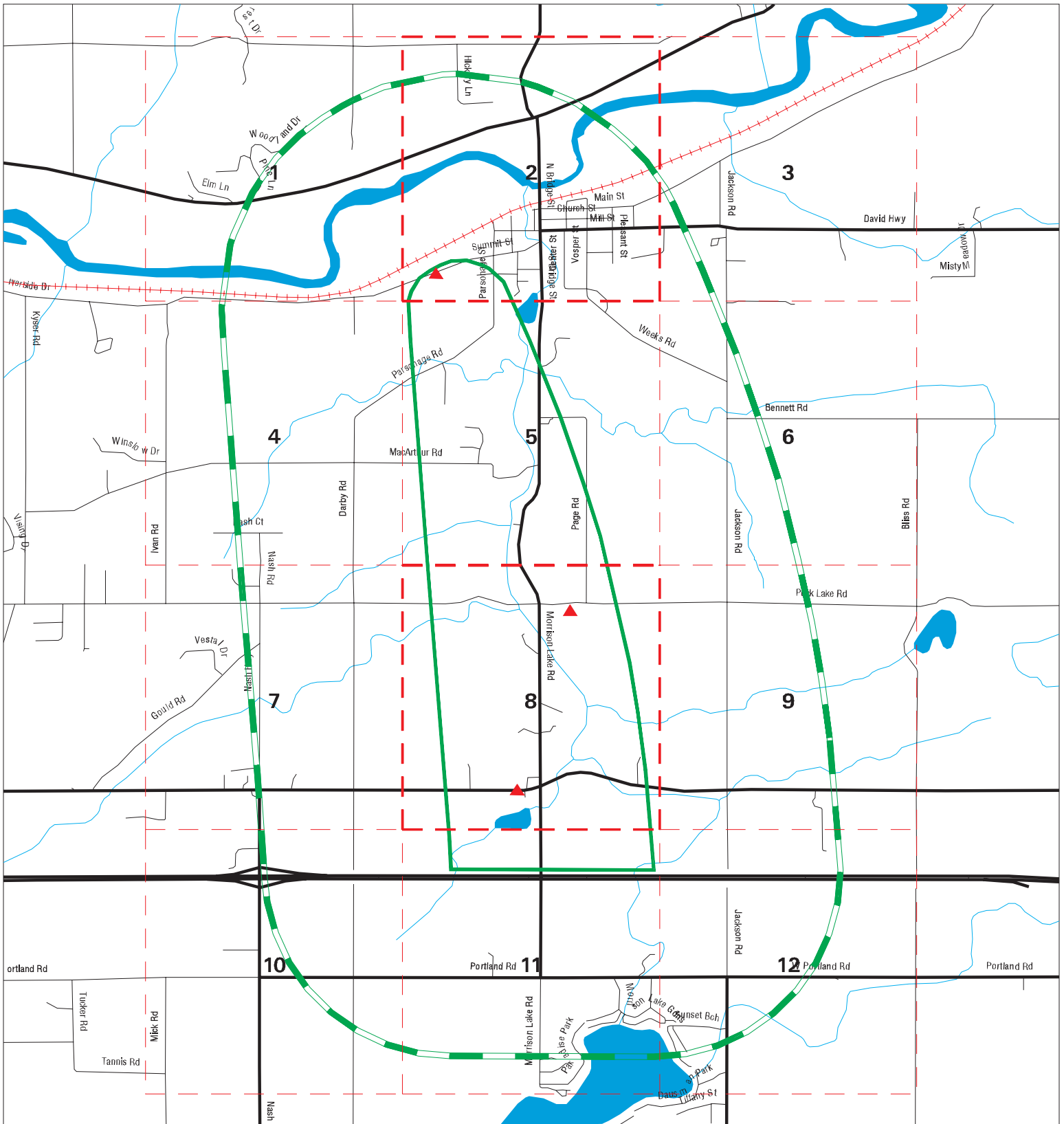
Unmappable (orphan) sites are not considered in the foregoing analysis.

MAPPED SITES SUMMARY

Target Property:  
 VILLAGE OF SARANAC  
 SARANAC, MI 48881

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
A1 / 2	SHALER EXCAVATING IN	7549 W. RIVERSIDE DR	US MINES, ABANDONED MINES	TP
A2 / 2	RISNER SAND & GRAVEL	7549 RIVERSIDE DRIVE	AIRS	TP
3 / 8		BRIDGE ST MAIN	CDL	TP
B4 / 8	GRACE RITTER PROPERT	7122 GRAND RIVER AVE	RGA LUST	TP
B5 / 8	BARRY PROPERTY	7122 GRAND RIVER AVE	LUST, UST, INVENTORY, RCRA NonGen / NLR,...	TP
B6 / 8	GRACE RITTER PROPERT	7122 GRAND RIVER	RGA LUST	TP
B7 / 8	RITTERS SERVICE	7122 GRAND RIVER AVE	EDR Hist Auto	TP

# Key Map - 7199062.5s



- ▲ Sites
- - - Target Property
- - - Search Buffer
- - - Focus Map - No Sites
- Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



<p><b>SITE NAME:</b> Village of Saranac  <b>ADDRESS:</b> Village of Saranac  <b>CITY/STATE:</b> Saranac MI  <b>ZIP:</b> 48881</p>	<p><b>CLIENT:</b> Fleis &amp; VandenBrink Eng.  <b>CONTACT:</b> Sam Lipscomb  <b>INQUIRY #:</b> 7199062.5s  <b>DATE:</b> 12/08/22 1:44 PM</p>
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## MAP FINDINGS SUMMARY

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

## MAP FINDINGS SUMMARY

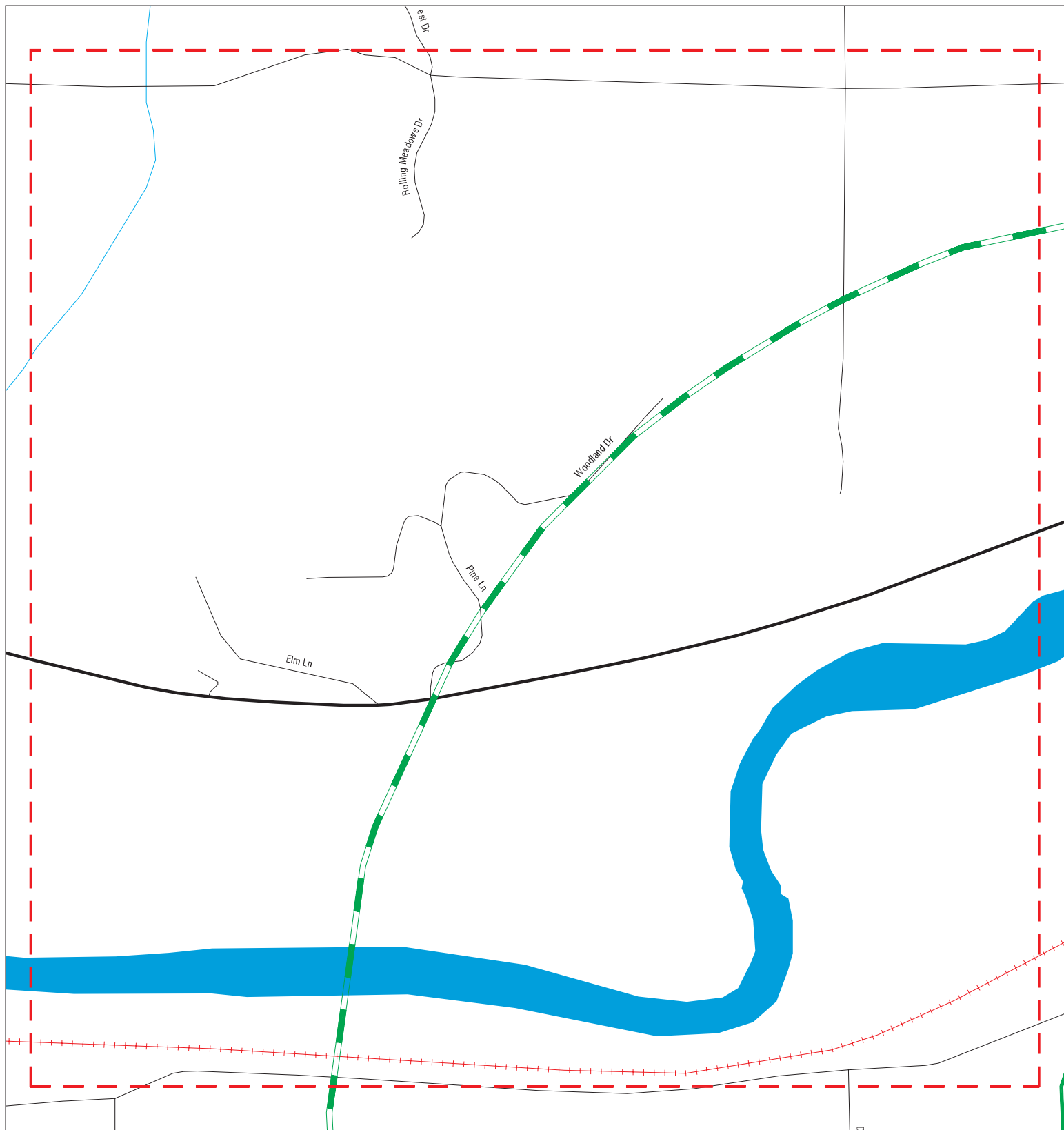
Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	TP		NR	NR	NR	NR	NR	0
<b><i>Lists of state and tribal registered storage tanks</i></b>								
FEMA UST	TP		NR	NR	NR	NR	NR	0
UST	TP	1	NR	NR	NR	NR	NR	1
AST	TP		NR	NR	NR	NR	NR	0
INDIAN UST	TP		NR	NR	NR	NR	NR	0
<b><i>State and tribal institutional control / engineering control registries</i></b>								
AUL	TP		NR	NR	NR	NR	NR	0
<b><i>Lists of state and tribal voluntary cleanup sites</i></b>								
INDIAN VCP	TP		NR	NR	NR	NR	NR	0
<b><i>Lists of state and tribal brownfield sites</i></b>								
BROWNFIELDS	TP		NR	NR	NR	NR	NR	0
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b><i>Local Brownfield lists</i></b>								
US BROWNFIELDS	TP		NR	NR	NR	NR	NR	0
<b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>								
SWRCY	TP		NR	NR	NR	NR	NR	0
HIST LF	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	TP		NR	NR	NR	NR	NR	0
ODI	TP		NR	NR	NR	NR	NR	0
DEBRIS REGION 9	TP		NR	NR	NR	NR	NR	0
IHS OPEN DUMPS	TP		NR	NR	NR	NR	NR	0
<b><i>Local Lists of Hazardous waste / Contaminated Sites</i></b>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
PART 201 INVENTORY	TP	1	NR	NR	NR	NR	NR	1
CDL	TP	1	NR	NR	NR	NR	NR	1
DEL PART 201	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
<b><i>Local Land Records</i></b>								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
<b><i>Records of Emergency Release Reports</i></b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
<b><i>Other Ascertainable Records</i></b>								
RCRA NonGen / NLR	TP	1	NR	NR	NR	NR	NR	1

## MAP FINDINGS SUMMARY

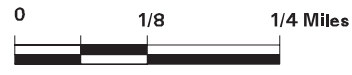
Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	TP		NR	NR	NR	NR	NR	0
DOD	TP		NR	NR	NR	NR	NR	0
SCRD DRYCLEANERS	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	TP		NR	NR	NR	NR	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	TP		NR	NR	NR	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	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	TP		NR	NR	NR	NR	NR	0
FUSRAP	TP		NR	NR	NR	NR	NR	0
UMTRA	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	TP	1	NR	NR	NR	NR	NR	1
ABANDONED MINES	TP	1	NR	NR	NR	NR	NR	1
FINDS	TP	1	NR	NR	NR	NR	NR	1
ECHO	TP	1	NR	NR	NR	NR	NR	1
UXO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	TP		NR	NR	NR	NR	NR	0
PFAS NPL	TP		NR	NR	NR	NR	NR	0
PFAS FEDERAL SITES	TP		NR	NR	NR	NR	NR	0
PFAS TSCA	TP		NR	NR	NR	NR	NR	0
PFAS RCRA MANIFEST	TP		NR	NR	NR	NR	NR	0
PFAS ATSDR	TP		NR	NR	NR	NR	NR	0
PFAS WQP	TP		NR	NR	NR	NR	NR	0
PFAS NPDES	TP		NR	NR	NR	NR	NR	0
PFAS ECHO	TP		NR	NR	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	TP		NR	NR	NR	NR	NR	0
PFAS PART 139 AIRPORT	TP		NR	NR	NR	NR	NR	0
AQUEOUS FOAM NRC	TP		NR	NR	NR	NR	NR	0
PFAS	TP		NR	NR	NR	NR	NR	0
AIRS	TP	1	NR	NR	NR	NR	NR	1
ASBESTOS	TP		NR	NR	NR	NR	NR	0
BEA	TP	1	NR	NR	NR	NR	NR	1



# Focus Map - 1 - 7199062.5s



- ▲ Sites
- - - Target Property
- Search Buffer
- - - Focus Map - No Sites
- - - Focus Map - Sites
- ▨ National Priority List Sites
- ▤ Dept. Defense Sites
- ▥ Indian Reservations BIA



SITE NAME: Village of Saranac  
 ADDRESS: Village of Saranac  
 CITY/STATE: Saranac MI  
 ZIP: 48881

CLIENT: Fleis & VandenBrink Eng.  
 CONTACT: Sam Lipscomb  
 INQUIRY #: 7199062.5s  
 DATE: 12/08/22



MAPPED SITES SUMMARY - FOCUS MAP 1

Target Property:  
VILLAGE OF SARANAC  
SARANAC, MI 48881

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
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NO MAPPED SITES FOUND

# Focus Map - 2 - 7199062.5s



- ▲ Sites
- - - Target Property
- - - Search Buffer
- - - Focus Map - No Sites
- - - Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



**SITE NAME:** Village of Saranac  
**ADDRESS:** Village of Saranac  
**CITY/STATE:** Saranac MI  
**ZIP:** 48881

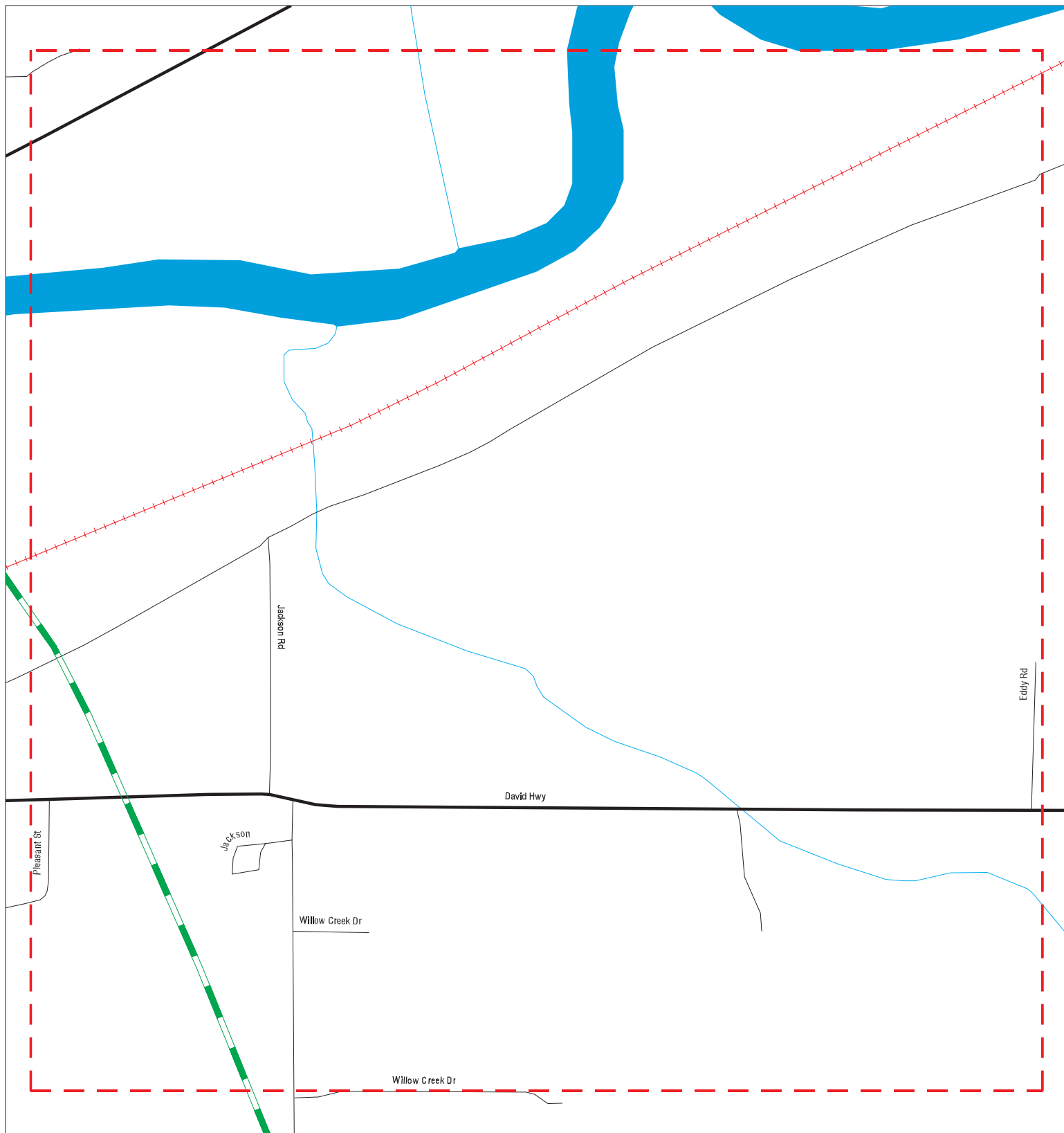
**CLIENT:** Fleis & VandenBrink Eng.  
**CONTACT:** Sam Lipscomb  
**INQUIRY #:** 7199062.5s  
**DATE:** 12/08/22

MAPPED SITES SUMMARY - FOCUS MAP 2

Target Property:  
VILLAGE OF SARANAC  
SARANAC, MI 48881

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
A1 / 2	SHALER EXCAVATING IN	7549 W. RIVERSIDE DR	US MINES, ABANDONED MINES	TP
A2 / 2	RISNER SAND & GRAVEL	7549 RIVERSIDE DRIVE	AIRS	TP

# Focus Map - 3 - 7199062.5s



- ▲ Sites
- - - Target Property
- - - Search Buffer
- - - Focus Map - No Sites
- - - Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



SITE NAME: Village of Saranac  
 ADDRESS: Village of Saranac  
 CITY/STATE: Saranac MI  
 ZIP: 48881

CLIENT: Fleis & VandenBrink Eng.  
 CONTACT: Sam Lipscomb  
 INQUIRY #: 7199062.5s  
 DATE: 12/08/22

MAPPED SITES SUMMARY - FOCUS MAP 3

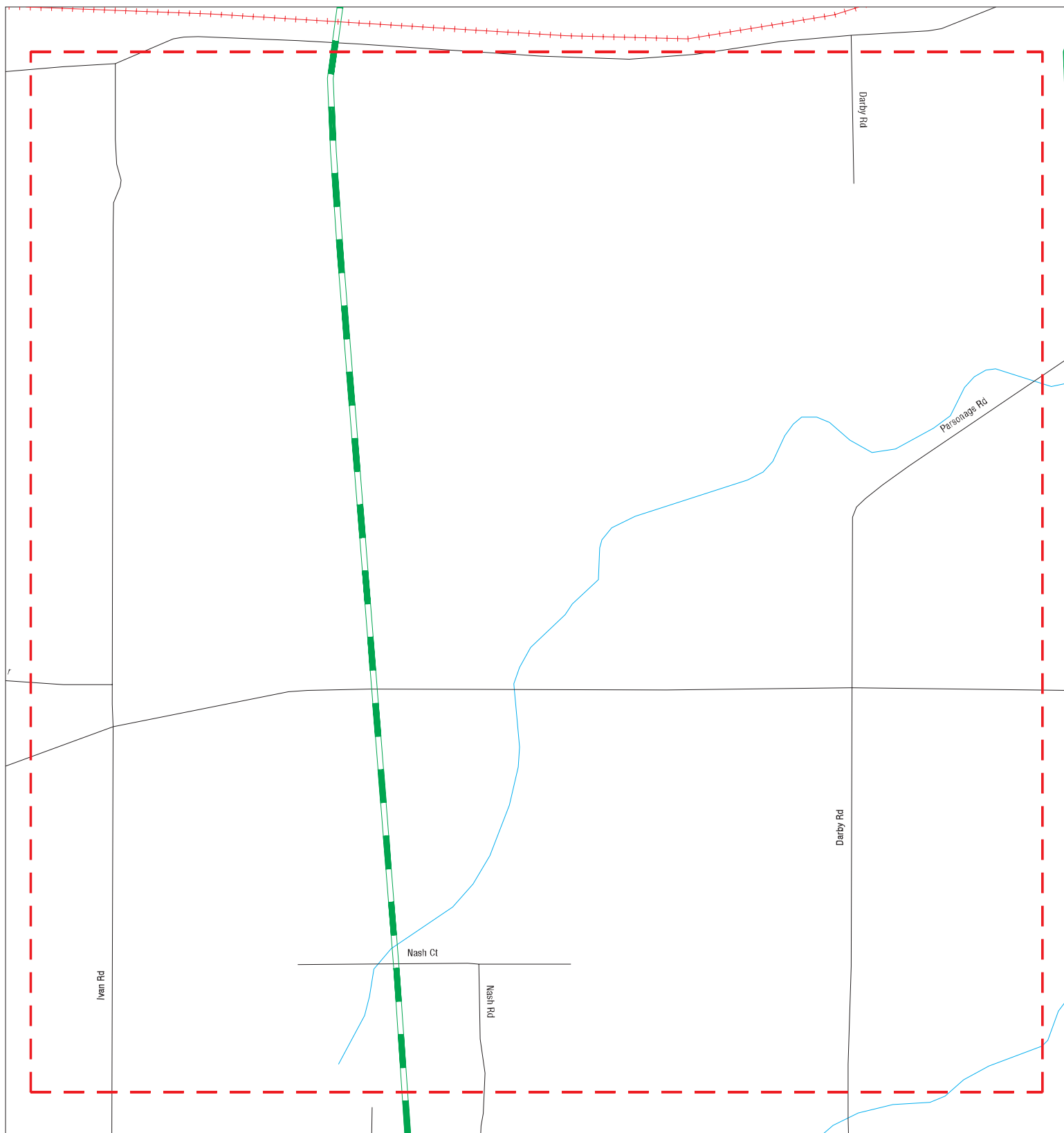
Target Property:  
VILLAGE OF SARANAC  
SARANAC, MI 48881

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
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NO MAPPED SITES FOUND

# Focus Map - 4 - 7199062.5s



- ▲ Sites
- ▬▬▬ Target Property
- ▬▬▬ Search Buffer
- ▬▬▬ Focus Map - No Sites
- ▬▬▬ Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



**SITE NAME:** Village of Saranac  
**ADDRESS:** Village of Saranac  
**CITY/STATE:** Saranac MI  
**ZIP:** 48881

**CLIENT:** Fleis & VandenBrink Eng.  
**CONTACT:** Sam Lipscomb  
**INQUIRY #:** 7199062.5s  
**DATE:** 12/08/22

MAPPED SITES SUMMARY - FOCUS MAP 4

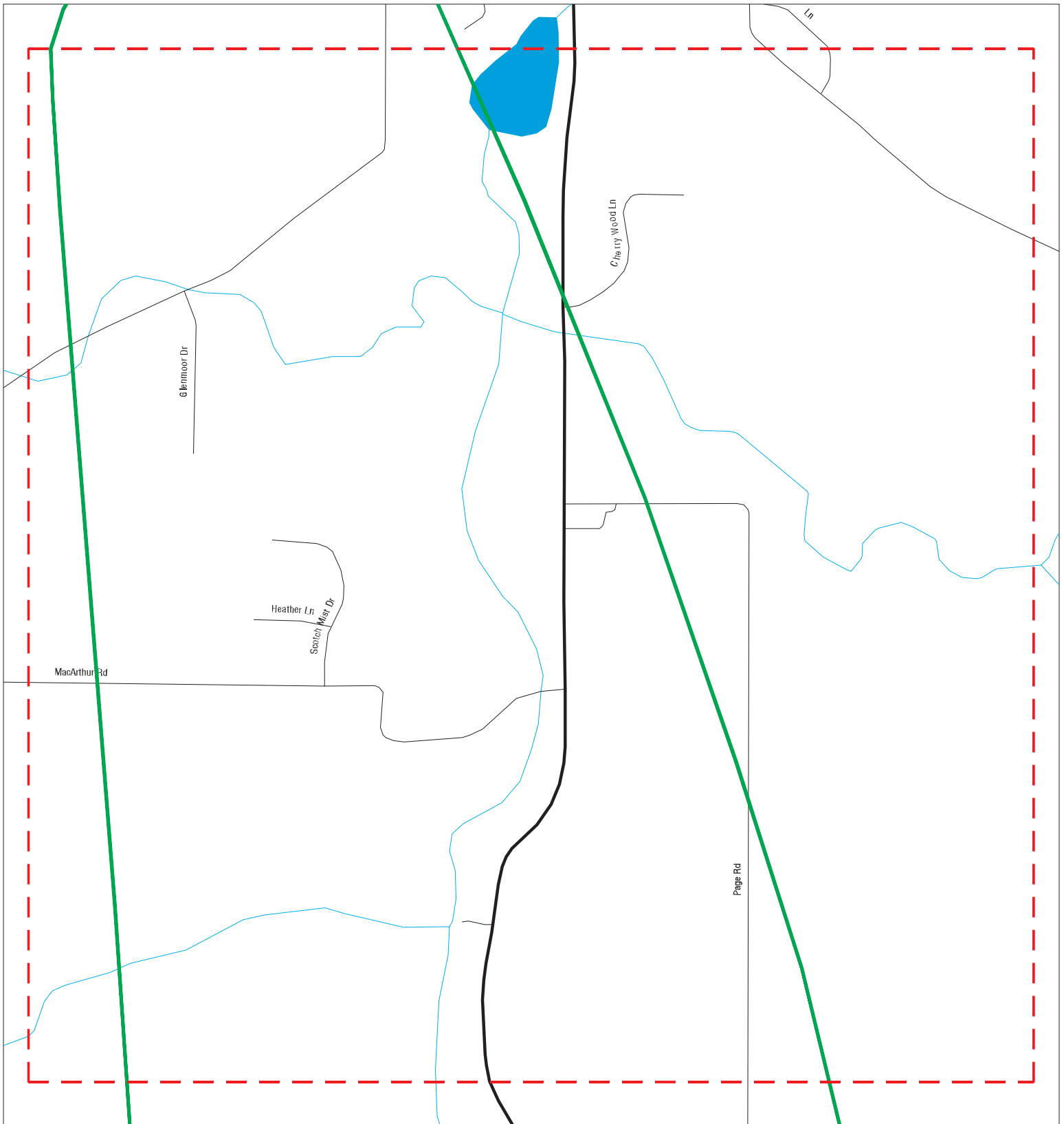
Target Property:  
VILLAGE OF SARANAC  
SARANAC, MI 48881

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
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NO MAPPED SITES FOUND

# Focus Map - 5 - 7199062.5s



- ▲ Sites
- ▬ Target Property
- ▬ Search Buffer
- ▬ Focus Map - No Sites
- ▬ Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



<p>SITE NAME: Village of Saranac          ADDRESS: Village of Saranac          CITY/STATE: Saranac MI          ZIP: 48881</p>	<p>CLIENT: Fleis &amp; VandenBrink Eng.          CONTACT: Sam Lipscomb          INQUIRY #: 7199062.5s          DATE: 12/08/22</p>
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MAPPED SITES SUMMARY - FOCUS MAP 5

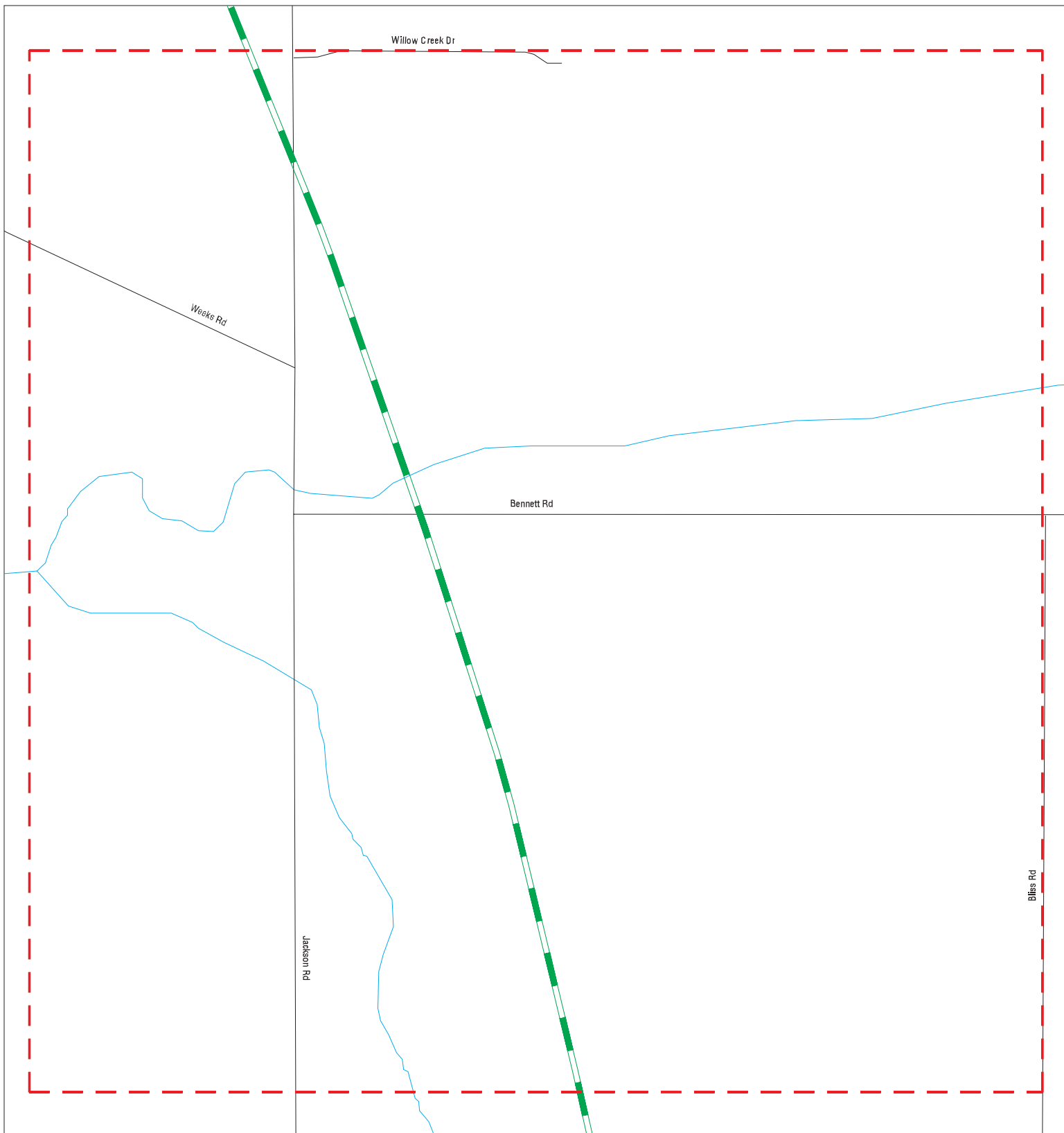
Target Property:  
VILLAGE OF SARANAC  
SARANAC, MI 48881

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

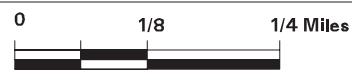
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NO MAPPED SITES FOUND

# Focus Map - 6 - 7199062.5s



- ▲ Sites
- - - Target Property
- Search Buffer
- - - Focus Map - No Sites
- / - Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



SITE NAME: Village of Saranac ADDRESS: Village of Saranac CITY/STATE: Saranac MI ZIP: 48881	CLIENT: Fleis & VandenBrink Eng. CONTACT: Sam Lipscomb INQUIRY #: 7199062.5s DATE: 12/08/22
--	--

MAPPED SITES SUMMARY - FOCUS MAP 6

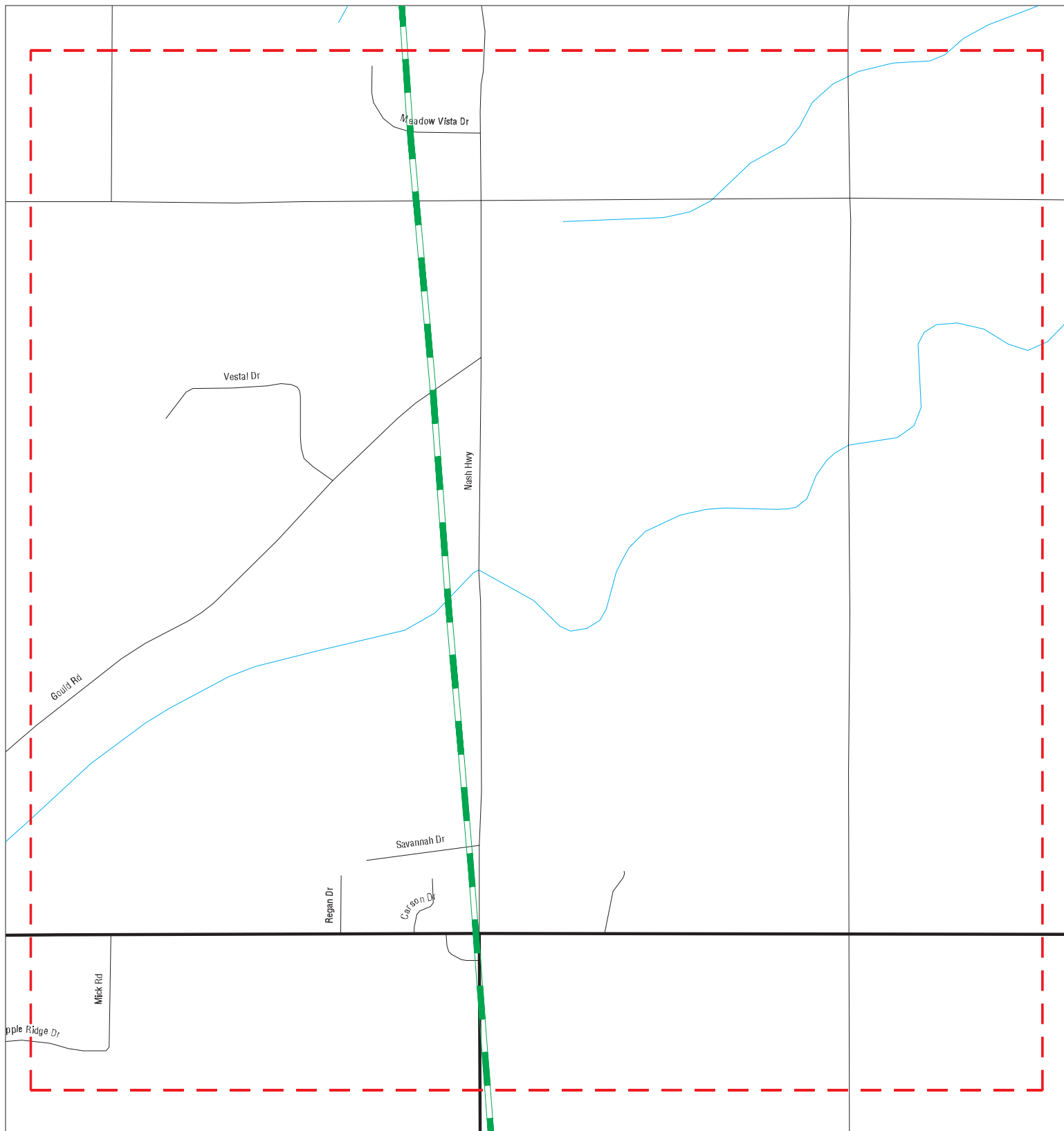
Target Property:  
VILLAGE OF SARANAC  
SARANAC, MI 48881

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
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NO MAPPED SITES FOUND

# Focus Map - 7 - 7199062.5s



- ▲ Sites
- ↗ Target Property
- ↘ Search Buffer
- ↗ Focus Map - No Sites
- ↘ Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



**SITE NAME:** Village of Saranac  
**ADDRESS:** Village of Saranac  
**CITY/STATE:** Saranac MI  
**ZIP:** 48881

**CLIENT:** Fleis & VandenBrink Eng.  
**CONTACT:** Sam Lipscomb  
**INQUIRY #:** 7199062.5s  
**DATE:** 12/08/22

MAPPED SITES SUMMARY - FOCUS MAP 7

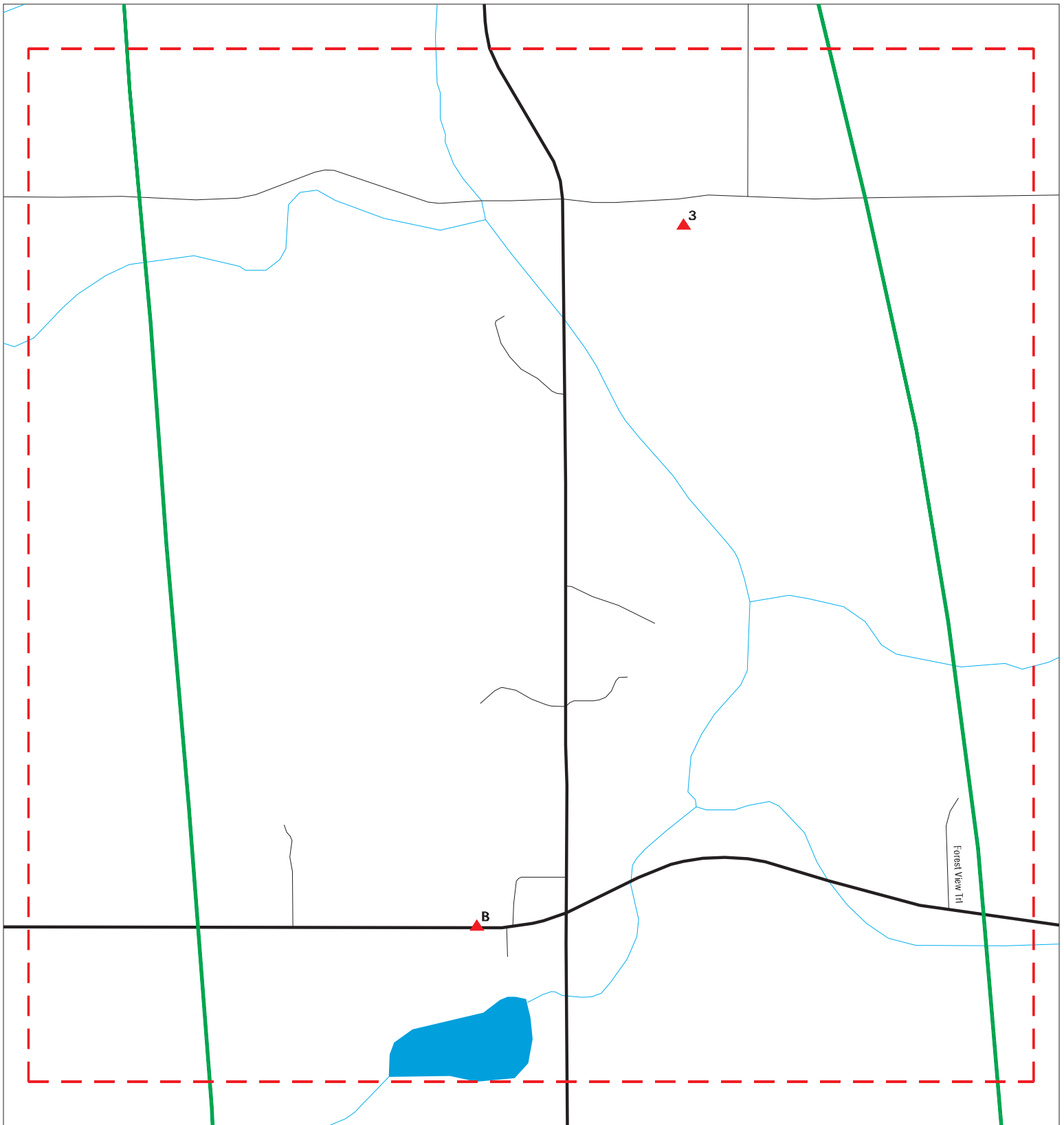
Target Property:  
VILLAGE OF SARANAC  
SARANAC, MI 48881

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
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NO MAPPED SITES FOUND

# Focus Map - 8 - 7199062.5s



- ▲ Sites
- ▬ Target Property
- ▬ Search Buffer
- ▬ Focus Map - No Sites
- ▬ Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



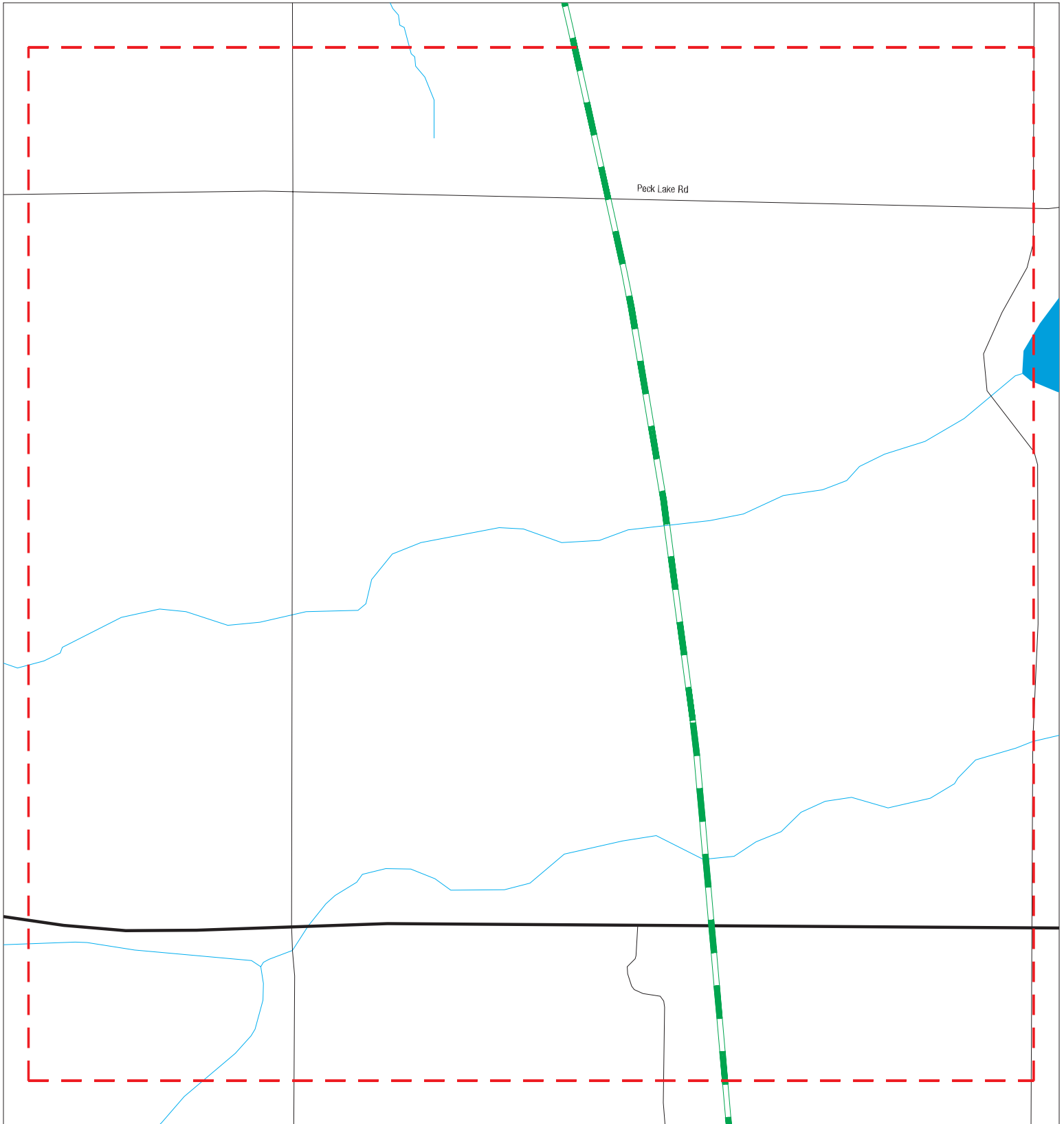
SITE NAME: Village of Saranac ADDRESS: Village of Saranac CITY/STATE: Saranac MI ZIP: 48881	CLIENT: Fleis & VandenBrink Eng. CONTACT: Sam Lipscomb INQUIRY #: 7199062.5s DATE: 12/08/22
--	--

MAPPED SITES SUMMARY - FOCUS MAP 8

Target Property:  
 VILLAGE OF SARANAC  
 SARANAC, MI 48881

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
3 / 8		BRIDGE ST MAIN	CDL	TP
B4 / 8	GRACE RITTER PROPERT	7122 GRAND RIVER AVE	RGA LUST	TP
B5 / 8	BARRY PROPERTY	7122 GRAND RIVER AVE	LUST, UST, INVENTORY, RCRA NonGen / NLR,...	TP
B6 / 8	GRACE RITTER PROPERT	7122 GRAND RIVER	RGA LUST	TP
B7 / 8	RITTERS SERVICE	7122 GRAND RIVER AVE	EDR Hist Auto	TP

# Focus Map - 9 - 7199062.5s



- ▲ Sites
- ↗ Target Property
- ↘ Search Buffer
- ↗ Focus Map - No Sites
- ↘ Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



SITE NAME: Village of Saranac ADDRESS: Village of Saranac CITY/STATE: Saranac MI ZIP: 48881	CLIENT: Fleis & VandenBrink Eng. CONTACT: Sam Lipscomb INQUIRY #: 7199062.5s DATE: 12/08/22
--	--



MAPPED SITES SUMMARY - FOCUS MAP 9

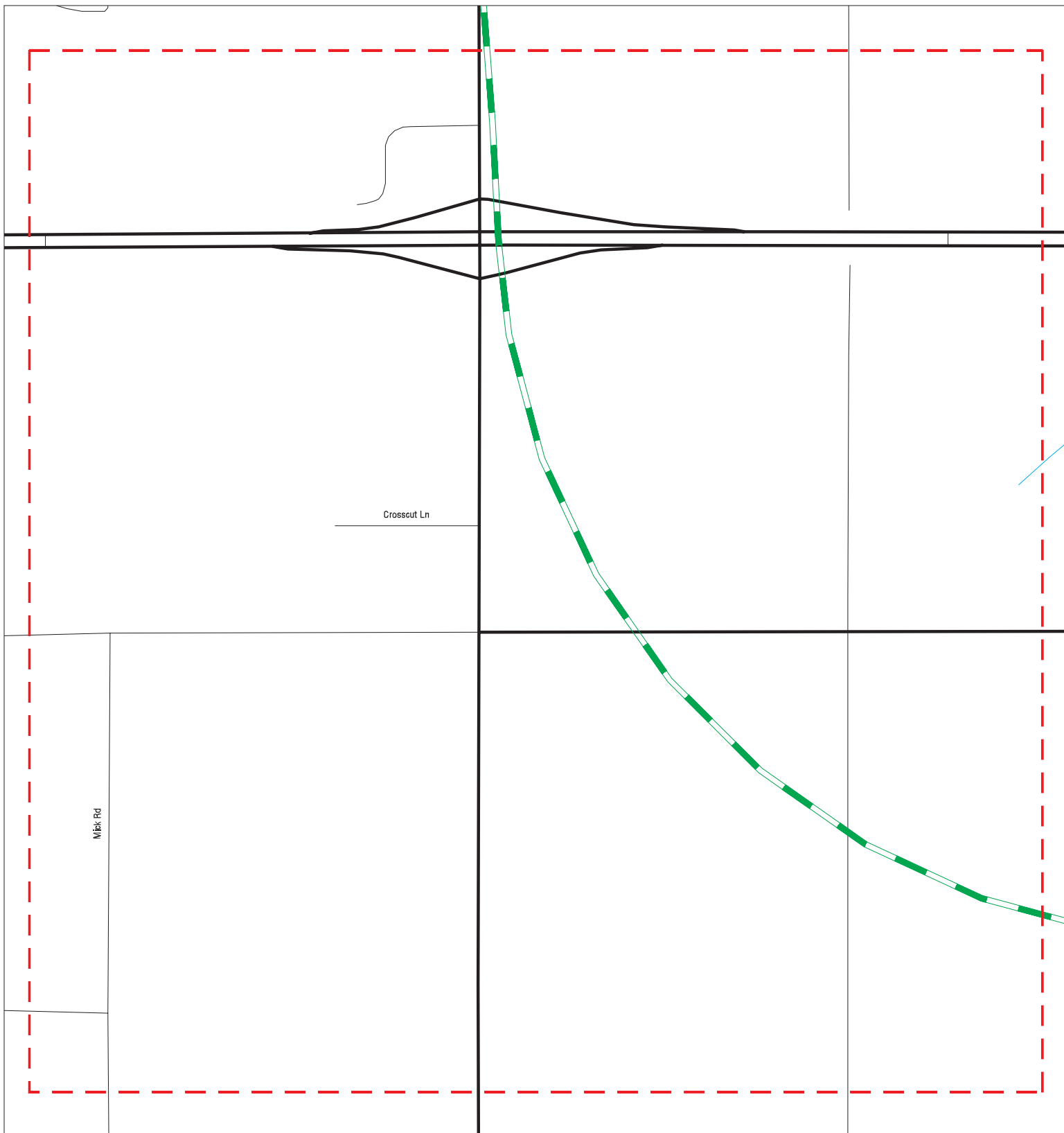
Target Property:  
VILLAGE OF SARANAC  
SARANAC, MI 48881

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

---

NO MAPPED SITES FOUND

# Focus Map - 10 - 7199062.5s



- ▲ Sites
- ↗ Target Property
- ↘ Search Buffer
- ↗ Focus Map - No Sites
- ↘ Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



**SITE NAME:** Village of Saranac  
**ADDRESS:** Village of Saranac  
**CITY/STATE:** Saranac MI  
**ZIP:** 48881

**CLIENT:** Fleis & VandenBrink Eng.  
**CONTACT:** Sam Lipscomb  
**INQUIRY #:** 7199062.5s  
**DATE:** 12/08/22

MAPPED SITES SUMMARY - FOCUS MAP 10

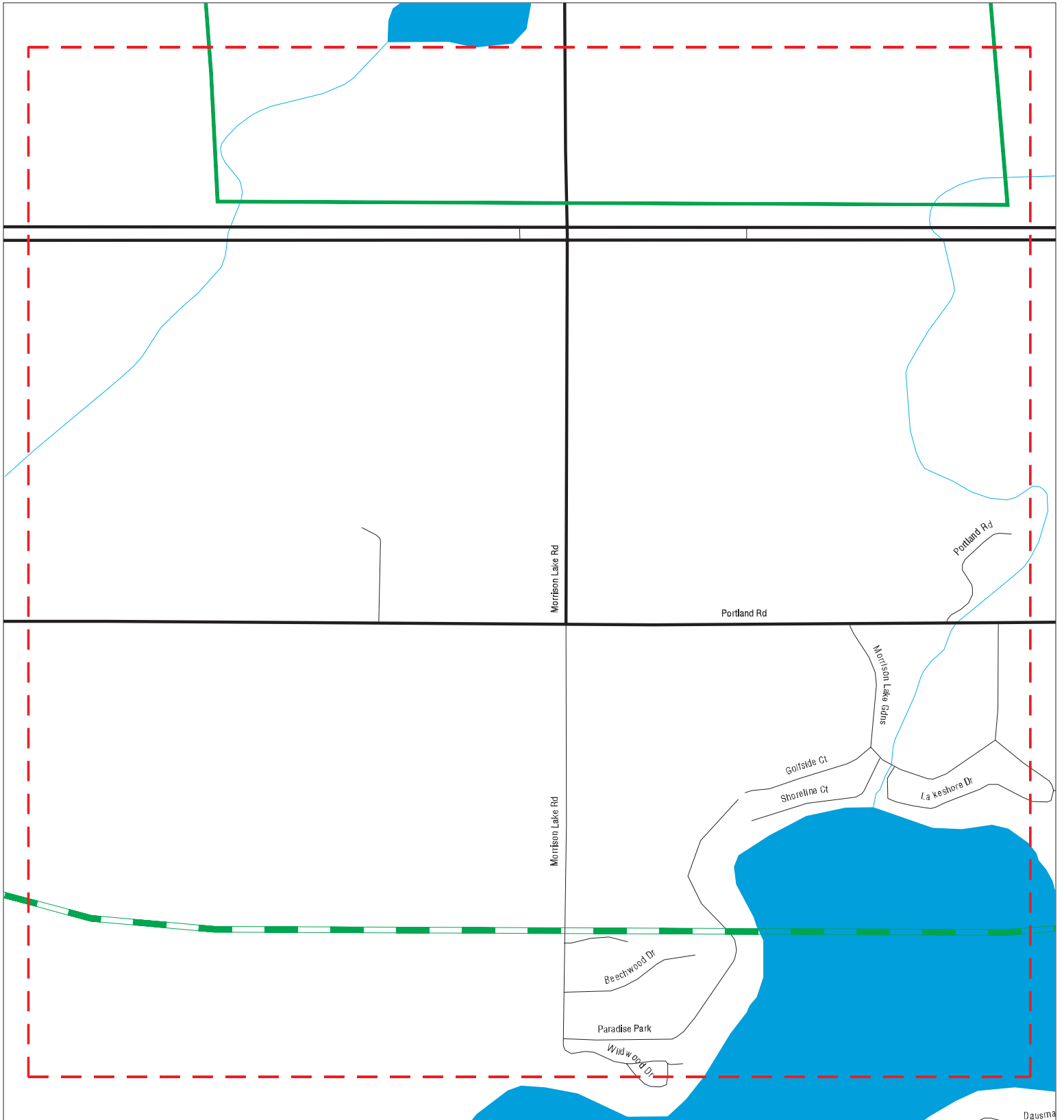
Target Property:  
VILLAGE OF SARANAC  
SARANAC, MI 48881

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

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NO MAPPED SITES FOUND

# Focus Map - 11 - 7199062.5s



-  Sites
-  Target Property
-  Search Buffer
-  Focus Map - No Sites
-  Focus Map - Sites
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA



SITE NAME: Village of Saranac  
 ADDRESS: Village of Saranac  
 CITY/STATE: Saranac MI  
 ZIP: 48881

CLIENT: Fleis & VandenBrink Eng.  
 CONTACT: Sam Lipscomb  
 INQUIRY #: 7199062.5s  
 DATE: 12/08/22

MAPPED SITES SUMMARY - FOCUS MAP 11

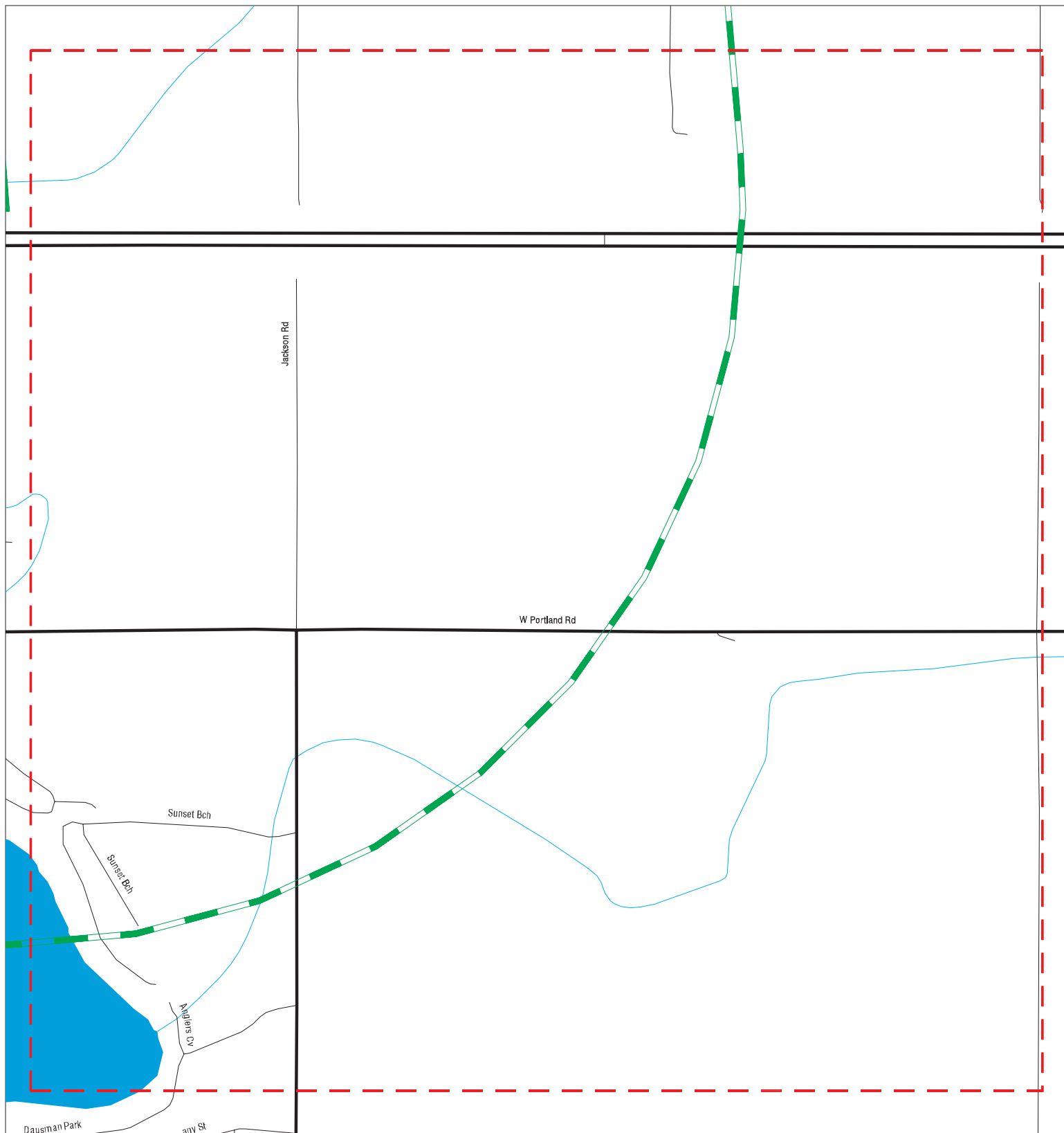
Target Property:  
VILLAGE OF SARANAC  
SARANAC, MI 48881

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

---

NO MAPPED SITES FOUND

# Focus Map - 12 - 7199062.5s



- ▲ Sites
- - - Target Property
- Search Buffer
- - - Focus Map - No Sites
- - - Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA



SITE NAME: Village of Saranac  
 ADDRESS: Village of Saranac  
 CITY/STATE: Saranac MI  
 ZIP: 48881

CLIENT: Fleis & VandenBrink Eng.  
 CONTACT: Sam Lipscomb  
 INQUIRY #: 7199062.5s  
 DATE: 12/08/22

MAPPED SITES SUMMARY - FOCUS MAP 12

Target Property:  
VILLAGE OF SARANAC  
SARANAC, MI 48881

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

---

NO MAPPED SITES FOUND

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A1**      **SHALER EXCAVATING INC. PIT**  
**Target**    **7549 W. RIVERSIDE DRIVE**  
**Property**   **SARANAC, MI 48881**

**US MINES**    **1024913741**  
**ABANDONED MINES**    **N/A**

**Site 1 of 2 in cluster A**

**Actual:**  
**657 ft.**

**Focus Map:**  
**2**

**MINES VIOLATIONS:**

Name: SHALER EXCAVATING INC. PIT  
Address: 7549 W. RIVERSIDE DRIVE  
City,State,Zip: SARANAC, MI 48881  
Facility ID: Not reported

**MINES VIOLATIONS:**

Violation Number: 6195749  
Mine ID: 2003289  
Contractor ID: Not reported  
Date Issued: 06/19/2007  
Action Type: 104(a)  
Type of Issue: Citation  
S and S: N  
Term Date: 06/20/2007  
Title 30 Code of Federal Regulations: 56.14107(a)  
Proposed Penalty: 100.00  
Assessment Amount: 100.00  
Paid Penalty Amount: 100.00  
Assessment Case Status: Proposed  
Assessment Status: Closed  
Year: 2007  
Address Type: MineLocation  
PO Box: Not reported  
Address: 7549 W. RIVERSIDE DRIVE  
City: SARANAC  
State: MI  
Operator: Shaler Excavating Inc.  
Zip: 48881  
Mine Controller Name: Steve M Shaler  
Name: SHALER EXCAVATING INC. PIT  
Ownership Date: 01/26/2004  
Mine Status: Abandoned  
Status Date: 08/28/2008  
Primary Site Description: Construction Sand and Gravel  
Mine Type: Surface  
State 2: MI  
County: IONIA

Violation Number: 6177511  
Mine ID: 2003289  
Contractor ID: Not reported  
Date Issued: 07/12/2005  
Action Type: 104(a)  
Type of Issue: Citation  
S and S: N  
Term Date: 07/18/2005  
Title 30 Code of Federal Regulations: 56.12028  
Proposed Penalty: 60.00  
Assessment Amount: 60.00  
Paid Penalty Amount: 60.00  
Assessment Case Status: Proposed  
Assessment Status: Closed  
Year: 2005



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHALER EXCAVATING INC. PIT (Continued)**

**1024913741**

Address Type: MineLocation  
PO Box: Not reported  
Address: 7549 W. RIVERSIDE DRIVE  
City: SARANAC  
State: MI  
Operator: Shaler Excavating Inc.  
Zip: 48881  
Mine Controller Name: Steve M Shaler  
Name: SHALER EXCAVATING INC. PIT  
Ownership Date: 01/26/2004  
Mine Status: Abandoned  
Status Date: 08/28/2008  
Primary Site Description: Construction Sand and Gravel  
Mine Type: Surface  
State 2: MI  
County: IONIA

**ABANDONED MINES:**

Mine ID: 2003289  
Mine Name: SHALER EXCAVATING INC. PIT  
Mine Address: 7549 W. RIVERSIDE DRIVE  
City,State,Zip: SARANAC, MI 48881  
Primary SIC Code: Construction Sand and Gravel  
Mine Type: Surface  
Mine Status Description: Abandoned  
Mine Status Date: 8/28/2008  
Coal (C) or Metal (M) Mine: M  
Controller ID: 0042679  
Controller Name: Steve M Shaler  
Operator ID: 0051919  
Operator name: Shaler Excavating Inc.  
Address of Record Street: 7549 W. Riverside Drive  
Address of Record PO Box: Not reported  
Address of Record City: Saranac  
Address of Record State: MI  
Address of Record Zip Code: 48881  
Assessment Address Street: 7549 W. Riverside Drive  
Assessment Address PO Box: Not reported  
Assessment Address City: SARANAC  
Assessment Address State: MI  
Assessment Address Zip Code: 48881  
Mine Health and Safety Address Street: 7549 W. Riverside Drive  
Mine Health and Safety Address PO Box: Not reported  
Mine Health and Safety Address City: Saranac  
Mine Health and Safety Address State: MI  
Mine Health and Safety Address Zip Code: Not reported  
Latitude: Not reported  
Longitude: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A2**            **RISNER SAND & GRAVEL, LLC**  
**Target**        **7549 RIVERSIDE DRIVE**  
**Property**      **SARANAC, MI 48881**

**AIRS**    **S117978036**  
          **N/A**

**Site 2 of 2 in cluster A**

**Actual:**  
**657 ft.**

**Focus Map:**  
**2**

**AIRS:**  
Name: RISNER SAND & GRAVEL, LLC  
Address: 7549 RIVERSIDE DRIVE  
City,State,Zip: SARANAC, MI 48881  
State Registration Number: P0604  
Naics Code: Not reported  
Contact Email: Not reported  
Contact Name: CHRIS RISNER  
Contact Phone: 6167232137  
Contact Address: 6455 JACKSON ROAD  
Contact City,St,Zip: SARANAC, MI 48881  
Permit Number: 129-18  
Date Received: 07/23/2018  
Application Reason: GENERAL PTI - NON-METALLIC MINERAL CRUSHER  
Record Type: Not reported  
State County FIPS: Not reported  
Facility Category: Not reported  
SIC Primary: Not reported  
Tribal Code: Not reported  
Facility Status Code: Not reported  
Facility Status: Active  
Supplemental Location Text: Not reported  
Business Name: Not reported  
Principal Product: Not reported  
Principal Product Description: Not reported  
UTM Zone (Geo Coordinates Universal Transverse Mercator System): Not reported  
UTM Horizontal Coord: Not reported  
UTM Vertical Coord: Not reported  
Mailing Name: Not reported  
Mailing Contact Person: Not reported  
Mailing Street: Not reported  
Mailing City: Not reported  
Mailing State: Not reported  
Mailing Zip: Not reported  
Mailing Zip 4 Extension: Not reported  
Compliance Person: Not reported  
Compliance Area Code: Not reported  
Compliance Phone Number: Not reported  
Emission Inventory Contact Person: Not reported  
EI Contact Area Code: Not reported  
EI Contact Phone Number: Not reported  
Permit Contact Person: Not reported  
Permit Contact Person Area Code: Not reported  
Permit Contact Person Phone Number: Not reported  
Federal Employer Id Number: Not reported  
# Of Employees: Not reported  
Reporting Year: Not reported  
Date Record Was Created: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
 EPA ID Number

**3**  
**Target** BRIDGE ST MAIN  
**Property** SARANAC, MI 48881

**CDL** S126310981  
 N/A

**Actual:** CDL:  
**785 ft.** Name: Not reported  
 Address: BRIDGE ST MAIN  
 City: SARANAC

**Focus Map:**  
**8** Date: Not reported  
 Type: Not reported  
 Cross street: MAIN  
 Lab type: Not reported  
 Agency: Ionia County Sheriff's Department  
 Complaint #: Not reported  
 Oic: Not reported  
 Child: Not reported  
 Fire: Not reported  
 Injuries: Not reported  
 Who: Not reported  
 Lab: Not reported  
 Dump: Not reported  
 Glass: Not reported  
 Unknown: Not reported  
 <2: Not reported  
 2 - 8oz: Not reported  
 9oz - 1lb: Not reported  
 2 - 9lb: Not reported  
 10 - 19lb: Not reported  
 20lb >: Not reported  
 Chemical: Methamphetamines  
 Quantity Seized: 9000  
 ORI Number: MI3413400  
 Incident Number: 1900000316  
 Incident Date: 01/17/2019  
 Entry Date: 02/11/2019  
 Loss Type: 6  
 Unit of Measure: Gram  
 Latitude: 42.900085  
 Longitude: -85.210127  
 ORI Name: 14234819  
 Micr Incidents ID: Not reported  
 Drug Desc: Not reported

**B4**  
**Target** GRACE RITTER PROPERTY  
**Property** 7122 GRAND RIVER AVE  
 SARANAC, MI

**RGA LUST** S115678116  
 N/A

**Site 1 of 4 in cluster B**

**Actual:** RGA LUST:  
**830 ft.**

2012	GRACE RITTER PROPERTY	7122 GRAND RIVER AVE
2011	GRACE RITTER PROPERTY	7122 GRAND RIVER AVE
2010	GRACE RITTER PROPERTY	7122 GRAND RIVER AVE
2009	GRACE RITTER PROPERTY	7122 GRAND RIVER AVE
2008	GRACE RITTER PROPERTY	7122 GRAND RIVER AVE
2007	GRACE RITTER PROPERTY	7122 GRAND RIVER AVE
2006	GRACE RITTER PROPERTY	7122 GRAND RIVER AVE
2005	GRACE RITTER PROPERTY	7122 GRAND RIVER AVE
2004	GRACE RITTER PROPERTY	7122 GRAND RIVER AVE
2003	GRACE RITTER PROPERTY	7122 GRAND RIVER AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B5**      **BARRY PROPERTY**  
**Target**    **7122 GRAND RIVER AVE**  
**Property**   **SARANAC, MI 48881**

Site 2 of 4 in cluster B

**Actual:**  
**830 ft.**

**Focus Map:**  
**8**

LUST:

Name: GRACE RITTER PROPERTY  
Address: 7122 GRAND RIVER AVE  
City,State,Zip: SARANAC, MI 48881-  
Facility ID: 00008056  
Source: STATE OF MICHIGAN  
Owner Name: GraceRitter  
Owner Address: Not reported  
Owner City,St,Zip: UNKNOWN, MI  
Owner Contact: Not reported  
Owner Phone: Not reported  
Country: USA  
District: Grand Rapids  
Site Name: Ritter, Grace  
Latitude: 42.88631  
Longitude: -85.21423  
Date of Collection: 01/11/2001  
Method of Collection: Address Matching-House Number  
Accuracy: 100  
Accuracy Value Unit: FEET  
Horizontal Data: NAD83  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Regulatory Program: Not reported  
Risk Condition: Not reported  
Project Manager: Not reported  
Senate District: Not reported  
House District: Not reported  
US Congressional District: Not reported  
  
Leak Number: C-1601-94  
Release Date: 12/12/1994  
Substance Released: Gasoline  
Release Status: Open  
Release Closed Date: Not reported

UST:

Name: GRACE RITTER PROPERTY  
Address: 7122 GRAND RIVER AVE  
City,State,Zip: SARANAC 48881-9609  
Facility Type: CLOSED  
Facility ID: 00008056  
Owner Name: GRACE RITTER  
Owner Address: 1075 EMERSON  
Owner City: LAKE ODESSA  
Owner State: MI  
Owner Zip: 48849  
Owner Contact: Not reported  
Owner Phone: 6163747417  
Contact: REX D O'CONNOR  
Contact Phone: (616) 527-3410

**LUST**    **1000988528**  
**UST**      **MI0001010800**  
**INVENTORY**  
**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**  
**BEA**  
**WDS**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BARRY PROPERTY (Continued)**

**1000988528**

Date of Collection: 01/11/2001  
Accuracy: 100  
Horizontal Datum: NAD83  
Accuracy Value Unit: FEET  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number  
District: Region 3 - Grand Rapids District Office  
Tank ID: 4  
Capacity: 1000  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/03/1982  
Remove Date: 12/12/1994  
Tank Number: Not reported  
Tank Details Compartments: Not reported  
Tank Release Detection: Not reported  
Pipe Release Detection: Not reported  
Piping Material: Not reported  
Piping Type: Not reported  
Tank Construction: Not reported  
Impressed Device: Not reported  
Latitude: 42.88631  
Longitude: -85.21423

Name: GRACE RITTER PROPERTY  
Address: 7122 GRAND RIVER AVE  
City,State,Zip: SARANAC 48881-9609  
Facility Type: CLOSED  
Facility ID: 00008056  
Owner Name: GRACE RITTER  
Owner Address: 1075 EMERSON  
Owner City: LAKE ODESSA  
Owner State: MI  
Owner Zip: 48849  
Owner Contact: Not reported  
Owner Phone: 6163747417  
Contact: REX D O'CONNOR  
Contact Phone: (616) 527-3410  
Date of Collection: 01/11/2001  
Accuracy: 100  
Horizontal Datum: NAD83  
Accuracy Value Unit: FEET  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number  
District: Region 3 - Grand Rapids District Office  
Tank ID: 3  
Capacity: 550  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/03/1976  
Remove Date: 12/12/1994  
Tank Number: Not reported  
Tank Details Compartments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BARRY PROPERTY (Continued)**

**1000988528**

Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Not reported
Piping Type:	Not reported
Tank Construction:	Not reported
Impressed Device:	Not reported
Latitude:	42.88631
Longitude:	-85.21423
Name:	GRACE RITTER PROPERTY
Address:	7122 GRAND RIVER AVE
City,State,Zip:	SARANAC 48881-9609
Facility Type:	CLOSED
Facility ID:	00008056
Owner Name:	GRACE RITTER
Owner Address:	1075 EMERSON
Owner City:	LAKE ODESSA
Owner State:	MI
Owner Zip:	48849
Owner Contact:	Not reported
Owner Phone:	6163747417
Contact:	REX D O'CONNOR
Contact Phone:	(616) 527-3410
Date of Collection:	01/11/2001
Accuracy:	100
Horizontal Datum:	NAD83
Accuracy Value Unit:	FEET
Source:	STATE OF MICHIGAN
Point Line Area:	POINT
Desc Category:	Plant Entrance (Freight)
Method of Collection:	Address Matching-House Number
District:	Region 3 - Grand Rapids District Office
Tank ID:	2
Capacity:	1000
Tank Status:	Removed from Ground
Substance:	Gasoline
Install Date:	04/03/1976
Remove Date:	12/12/1994
Tank Number:	Not reported
Tank Details Compartments:	Not reported
Tank Release Detection:	Not reported
Pipe Release Detection:	Not reported
Piping Material:	Not reported
Piping Type:	Not reported
Tank Construction:	Not reported
Impressed Device:	Not reported
Latitude:	42.88631
Longitude:	-85.21423
Name:	GRACE RITTER PROPERTY
Address:	7122 GRAND RIVER AVE
City,State,Zip:	SARANAC 48881-9609
Facility Type:	CLOSED
Facility ID:	00008056
Owner Name:	GRACE RITTER
Owner Address:	1075 EMERSON
Owner City:	LAKE ODESSA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BARRY PROPERTY (Continued)**

**1000988528**

Owner State: MI  
Owner Zip: 48849  
Owner Contact: Not reported  
Owner Phone: 6163747417  
Contact: REX D O'CONNOR  
Contact Phone: (616) 527-3410  
Date of Collection: 01/11/2001  
Accuracy: 100  
Horizontal Datum: NAD83  
Accuracy Value Unit: FEET  
Source: STATE OF MICHIGAN  
Point Line Area: POINT  
Desc Category: Plant Entrance (Freight)  
Method of Collection: Address Matching-House Number  
District: Region 3 - Grand Rapids District Office  
Tank ID: 1  
Capacity: 660  
Tank Status: Removed from Ground  
Substance: Gasoline  
Install Date: 04/03/1976  
Remove Date: 12/12/1994  
Tank Number: Not reported  
Tank Details Compartments: Not reported  
Tank Release Detection: Not reported  
Pipe Release Detection: Not reported  
Piping Material: Not reported  
Piping Type: Not reported  
Tank Construction: Not reported  
Impressed Device: Not reported  
Latitude: 42.88631  
Longitude: -85.21423

**INVENTORY:**

Name: GRACE RITTER PROPERTY  
Address: 7122 GRAND RIVER AVE  
City,State,Zip: SARANAC, MI 48881  
Township: Saranac  
District: Grand Rapids  
Data Source: Risks Present and Require Action in Long-term  
Lust Name: Ritter, Grace  
Regulatory Program: 213  
Release Status: Open  
Project Manager: Eichberger, Jay  
Latitude: 42.886315  
Longitude: -85.214239

**RCRA Listings:**

Date Form Received by Agency: 19950120  
Handler Name: BARRY PROPERTY  
Handler Address: 7122 GRAND RIVER AVE  
Handler City,State,Zip: SARANAC, MI 48881  
EPA ID: MI0001010800  
Contact Name: THOMAS BARRY  
Contact Address: 7122 GRAND RIVER AVE  
Contact City,State,Zip: SARANAC, MI 48881  
Contact Telephone: 000-000-0000

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BARRY PROPERTY (Continued)**

**1000988528**

Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		05
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		11216 S DARBY RD
Mailing City,State,Zip:		CLARKSVILLE, MI 48815
Owner Name:	BARRY THOMAS V (CO-OWNER)	
Owner Type:		Private
Operator Name:	BARRY THOMAS V (CO-OWNER)	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BARRY PROPERTY (Continued)**

**1000988528**

Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110303
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BARRY THOMAS V (CO-OWNER)
Legal Status:	Private
Date Became Current:	19981030
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BARRY THOMAS V (CO-OWNER)
Legal Status:	Private
Date Became Current:	19981030
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19950120
Handler Name:	BARRY PROPERTY
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BARRY PROPERTY (Continued)**

**1000988528**

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

List of NAICS Codes and Descriptions:

NAICS Code: 11131  
NAICS Description: ORANGE GROVES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110003571288

[Click Here for FRS Facility Detail Report:](#)

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000988528  
Registry ID: 110003571288  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003571288>  
Name: BARRY PROPERTY  
Address: 7122 GRAND RIVER AVE  
City,State,Zip: SARANAC, MI 48881

BEA:

Name: GRACE RITTER PROPERTY  
Address: 7122 GRAND RIVER AVE  
City,State,Zip: SARANAC, MI 48881  
Secondary Address: Not reported  
BEA Number: Not reported  
District: Not reported  
Date Received: 11/25/1997  
Submitter Name: Not reported  
Petition Determination: Not reported  
Petition Disclosure: Not reported  
Category: Not reported  
Determination 20107A: Not reported  
Reviewer: Not reported  
Division Assigned: Not reported  
Location ID: 00008056

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BARRY PROPERTY (Continued)**

**1000988528**

Submittal Type: Baseline Environmental Assessment  
Submittal Number: P199700301GR  
Approval Status: RRD Received  
Workflow Status: Submitted  
Date Submitted: 2004-01-31 07:29:04  
Date Completed: Not reported  
Township: Saranac  
Work Unit: Grand Rapids  
Comments: Not reported  
Organization: Thomas V & Carolyn K Barry  
Contact: Rex O'Connor  
Contact Type: Submitter Contact

Name: GRACE RITTER PROPERTY  
Address: 7122 GRAND RIVER AVENUE  
City,State,Zip: SARANAC, MI  
Secondary Address: Not reported  
BEA Number: 301  
District: Grand Rapids  
Date Received: 11/25/1997  
Submitter Name: Thomas V & Carolyn K Barry  
Petition Determination: Affirmed  
Petition Disclosure: 1  
Category: N  
Determination 20107A: No Request  
Reviewer: colons  
Division Assigned: STD  
Location ID: Not reported  
Submittal Type: Not reported  
Submittal Number: Not reported  
Approval Status: Not reported  
Workflow Status: Not reported  
Date Submitted: Not reported  
Date Completed: Not reported  
Township: Not reported  
Work Unit: Not reported  
Comments: Not reported  
Organization: Not reported  
Contact: Not reported  
Contact Type: Not reported

**WDS:**

Name: BARRY PROPERTY  
Address: 7122 GRAND RIVER AVE  
City,State,Zip: SARANAC, MI 48881  
Site Id: MI0001010800  
WMD Id: 391799  
Site Specific Name: BARRY PROPERTY  
Mailing Address: 11216 S DARBY RD  
Mailing City/State/Zip: 48815  
Mailing County: IONIA

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**B6**            **GRACE RITTER PROPERTY**  
**Target**       **7122 GRAND RIVER**  
**Property**     **SARANAC, MI**

**RGA LUST**    **S115678117**  
                          **N/A**

**Site 3 of 4 in cluster B**

<b>Actual:</b> <b>830 ft.</b>	RGA LUST:			
		2001	GRACE RITTER PROPERTY	7122 GRAND RIVER
		2000	GRACE RITTER PROPERTY	7122 GRAND RIVER
<b>Focus Map:</b> <b>8</b>		1999	GRACE RITTER PROPERTY	7122 GRAND RIVER
		1998	GRACE RITTER PROPERTY	7122 GRAND RIVER
		1997	GRACE RITTER PROPERTY	7122 GRAND RIVER

**B7**            **RITTERS SERVICE**  
**Target**       **7122 GRAND RIVER AVE**  
**Property**     **SARANAC, MI 48881**

**EDR Hist Auto**    **1020435286**  
                          **N/A**

**Site 4 of 4 in cluster B**

<b>Actual:</b> <b>830 ft.</b>	EDR Hist Auto		
<b>Focus Map:</b> <b>8</b>	Year:	Name:	Type:
	1969	RITTERS SERVICE	Grocery Stores
	1970	RITTERS SERVICE	Grocery Stores
	1971	RITTERS SERVICE	Grocery Stores
	1972	RITTERS SERVICE	Grocery Stores
	1973	RITTERS SERVICE	Grocery Stores
	1974	RITTERS SERVICE	Grocery Stores
	1975	RITTERS SERVICE	Grocery Stores

Count: 14 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
IONIA COUNTY	S128503081		RIVERSIDE DRIVE WETLANDS RESTORATION		SPILLS
SARANAC	1003871367	SARANAC MUN WELL FIELD	RIVERSIDE DRIVE	48881	SEMS-ARCHIVE
SARANAC	1026832810	MI DEPT TRANSPORTATION BRIDGE - S03-34043	MORRISON LAKE RD OVER I-96	48881	RCRA-VSQQ
SARANAC	S127771054		MORRISON LAKE RD BLUE WATER	48881	CDL
SARANAC	S127771056		MORRISON LAKE RD BLUE WATER	48881	CDL
SARANAC	S128472502		GRAND RIVER BY BRIDGE STREET		SPILLS
SARANAC	S128464461		BACKWATER OF GRAND RIVER		SPILLS
SARANAC	S128477977		BETWEEN JACKSON AND MORRISON LAKE RDS.		SPILLS
SARANAC	S113896095		MORRISON LAKE RD.		SPILLS
SARANAC	S128477978		BETWEEN JACKSON AND MORRISON LAKE RDS.		SPILLS
SARANAC	S128493371		MORRISON LAKE RD.		SPILLS
SARANAC	1027061258	MI DEPT TRANSPORTATION BRIDGE - S03-34043	MORRISON LAKE RD OVER I-96	48881	FINDS
SARANAC	1026925613	MI DEPT TRANSPORTATION BRIDGE - S03-34043	MORRISON LAKE RD OVER I-96	48881	ECHO
SARANAC	S128065010	MI DEPT TRANSPORTATION BRIDGE - S03-34043	MORRISON LAKE RD OVER I-96	48881	WDS

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## **STANDARD ENVIRONMENTAL RECORDS**

### ***Lists of Federal NPL (Superfund) sites***

#### **NPL: National Priority List**

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

Date of Government Version: 10/27/2022	Source: EPA
Date Data Arrived at EDR: 11/01/2022	Telephone: N/A
Date Made Active in Reports: 11/15/2022	Last EDR Contact: 12/01/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/09/2023
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

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

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

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

Date of Government Version: 10/27/2022	Source: EPA
Date Data Arrived at EDR: 11/01/2022	Telephone: N/A
Date Made Active in Reports: 11/15/2022	Last EDR Contact: 12/01/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/09/2023
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## ***Lists of Federal Delisted NPL sites***

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 10/27/2022  
Date Data Arrived at EDR: 11/01/2022  
Date Made Active in Reports: 11/15/2022  
Number of Days to Update: 14

Source: EPA  
Telephone: N/A  
Last EDR Contact: 12/01/2022  
Next Scheduled EDR Contact: 01/09/2023  
Data Release Frequency: Quarterly

## ***Lists of Federal sites subject to CERCLA removals and CERCLA orders***

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 08/25/2022  
Date Data Arrived at EDR: 09/06/2022  
Date Made Active in Reports: 12/05/2022  
Number of Days to Update: 90

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

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 10/27/2022  
Date Data Arrived at EDR: 11/01/2022  
Date Made Active in Reports: 11/15/2022  
Number of Days to Update: 14

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 12/01/2022  
Next Scheduled EDR Contact: 01/23/2023  
Data Release Frequency: Quarterly

## ***Lists of Federal CERCLA sites with NFRAP***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 10/27/2022	Source: EPA
Date Data Arrived at EDR: 11/01/2022	Telephone: 800-424-9346
Date Made Active in Reports: 11/15/2022	Last EDR Contact: 12/01/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/23/2023
	Data Release Frequency: Quarterly

## ***Lists of Federal RCRA facilities undergoing Corrective Action***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 11/21/2022	Source: EPA
Date Data Arrived at EDR: 11/21/2022	Telephone: 800-424-9346
Date Made Active in Reports: 12/05/2022	Last EDR Contact: 11/21/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: Quarterly

## ***Lists of Federal RCRA TSD facilities***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 11/21/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/21/2022	Telephone: 312-886-6186
Date Made Active in Reports: 12/05/2022	Last EDR Contact: 11/21/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: Quarterly

## ***Lists of Federal RCRA generators***

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 11/21/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/21/2022	Telephone: 312-886-6186
Date Made Active in Reports: 12/05/2022	Last EDR Contact: 11/21/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: Quarterly



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 11/21/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/21/2022	Telephone: 312-886-6186
Date Made Active in Reports: 12/05/2022	Last EDR Contact: 11/21/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 11/21/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/21/2022	Telephone: 312-886-6186
Date Made Active in Reports: 12/05/2022	Last EDR Contact: 11/21/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: Quarterly

## ***Federal institutional controls / engineering controls registries***

### LUCIS: Land Use Control Information System

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

Date of Government Version: 08/16/2022	Source: Department of the Navy
Date Data Arrived at EDR: 08/22/2022	Telephone: 843-820-7326
Date Made Active in Reports: 10/24/2022	Last EDR Contact: 11/01/2022
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/20/2023
	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: 08/15/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/17/2022	Telephone: 703-603-0695
Date Made Active in Reports: 10/24/2022	Last EDR Contact: 11/16/2022
Number of Days to Update: 68	Next Scheduled EDR Contact: 03/06/2023
	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: 08/15/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/17/2022	Telephone: 703-603-0695
Date Made Active in Reports: 10/24/2022	Last EDR Contact: 11/16/2022
Number of Days to Update: 68	Next Scheduled EDR Contact: 03/06/2023
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal ERNS list***

ERNS: Emergency Response Notification System

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

Date of Government Version: 06/14/2022	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 06/15/2022	Telephone: 202-267-2180
Date Made Active in Reports: 06/21/2022	Last EDR Contact: 09/20/2022
Number of Days to Update: 6	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: Quarterly

## ***Lists of state- and tribal hazardous waste facilities***

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

Date of Government Version: N/A	Source: Department of Environment, Great Lakes, and Energy
Date Data Arrived at EDR: 10/31/2013	Telephone: 517-284-5103
Date Made Active in Reports: 11/20/2013	Last EDR Contact: 10/11/2022
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: No Update Planned

## ***Lists of state and tribal landfills and solid waste disposal facilities***

SWF/LF: Solid Waste Facilities Database

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: 09/19/2022	Source: Department of Environment, Great Lakes, and Energy
Date Data Arrived at EDR: 09/20/2022	Telephone: 517-335-4035
Date Made Active in Reports: 12/06/2022	Last EDR Contact: 09/20/2022
Number of Days to Update: 77	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: Semi-Annually

## ***Lists of state and tribal leaking storage tanks***

LUST: Leaking Underground Storage Tank Sites

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

Date of Government Version: 05/11/2022	Source: Department of Environment, Great Lakes, and Energy
Date Data Arrived at EDR: 05/18/2022	Telephone: 517-373-9837
Date Made Active in Reports: 08/04/2022	Last EDR Contact: 10/31/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/20/2023
	Data Release Frequency: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022	Source: EPA Region 10
Date Data Arrived at EDR: 06/13/2022	Telephone: 206-553-2857
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 12/06/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/08/2022      Source: Environmental Protection Agency  
Date Data Arrived at EDR: 06/13/2022      Telephone: 415-972-3372  
Date Made Active in Reports: 08/16/2022      Last EDR Contact: 12/06/2022  
Number of Days to Update: 64      Next Scheduled EDR Contact: 01/30/2023  
Data Release Frequency: Varies

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

Date of Government Version: 04/28/2022      Source: EPA Region 6  
Date Data Arrived at EDR: 06/13/2022      Telephone: 214-665-6597  
Date Made Active in Reports: 08/16/2022      Last EDR Contact: 12/06/2022  
Number of Days to Update: 64      Next Scheduled EDR Contact: 01/30/2023  
Data Release Frequency: Varies

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

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

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

Date of Government Version: 04/20/2022      Source: EPA Region 8  
Date Data Arrived at EDR: 06/13/2022      Telephone: 303-312-6271  
Date Made Active in Reports: 08/16/2022      Last EDR Contact: 12/06/2022  
Number of Days to Update: 64      Next Scheduled EDR Contact: 01/30/2023  
Data Release Frequency: Varies

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

Date of Government Version: 04/14/2022      Source: EPA Region 7  
Date Data Arrived at EDR: 06/13/2022      Telephone: 913-551-7003  
Date Made Active in Reports: 08/16/2022      Last EDR Contact: 12/06/2022  
Number of Days to Update: 64      Next Scheduled EDR Contact: 01/30/2023  
Data Release Frequency: Varies

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

Date of Government Version: 04/11/2022      Source: EPA, Region 5  
Date Data Arrived at EDR: 06/13/2022      Telephone: 312-886-7439  
Date Made Active in Reports: 08/16/2022      Last EDR Contact: 12/06/2022  
Number of Days to Update: 64      Next Scheduled EDR Contact: 01/30/2023  
Data Release Frequency: Varies

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

Date of Government Version: 06/02/2022      Source: EPA Region 4  
Date Data Arrived at EDR: 06/13/2022      Telephone: 404-562-8677  
Date Made Active in Reports: 08/31/2022      Last EDR Contact: 12/06/2022  
Number of Days to Update: 79      Next Scheduled EDR Contact: 01/30/2023  
Data Release Frequency: Varies

***Lists of state and tribal registered storage tanks***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

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

## UST: Underground Storage Tank Facility List

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: 08/01/2022	Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 08/08/2022	Telephone: 517-373-1820
Date Made Active in Reports: 10/25/2022	Last EDR Contact: 11/03/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/20/2023
	Data Release Frequency: Annually

## UST 2: Underground Storage Tank Listing

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 01/28/2022	Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 02/01/2022	Telephone: 517-373-1820
Date Made Active in Reports: 04/25/2022	Last EDR Contact: 10/04/2022
Number of Days to Update: 83	Next Scheduled EDR Contact: 01/23/2023
	Data Release Frequency: Varies

## AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 07/05/2022	Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 08/11/2022	Telephone: 517-373-1820
Date Made Active in Reports: 10/31/2022	Last EDR Contact: 11/02/2022
Number of Days to Update: 81	Next Scheduled EDR Contact: 02/20/2023
	Data Release Frequency: No Update Planned

## INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 06/02/2022	Source: EPA Region 4
Date Data Arrived at EDR: 06/13/2022	Telephone: 404-562-9424
Date Made Active in Reports: 08/31/2022	Last EDR Contact: 12/06/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

## INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/08/2022	Source: EPA Region 9
Date Data Arrived at EDR: 06/13/2022	Telephone: 415-972-3368
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 12/06/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022	Source: EPA Region 8
Date Data Arrived at EDR: 06/13/2022	Telephone: 303-312-6137
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 12/06/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

## INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022	Source: EPA Region 10
Date Data Arrived at EDR: 06/13/2022	Telephone: 206-553-2857
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 12/06/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

## INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/07/2022	Source: EPA, Region 1
Date Data Arrived at EDR: 06/13/2022	Telephone: 617-918-1313
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 12/06/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

## INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/11/2022	Source: EPA Region 5
Date Data Arrived at EDR: 06/13/2022	Telephone: 312-886-6136
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 12/06/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/28/2022	Source: EPA Region 6
Date Data Arrived at EDR: 06/13/2022	Telephone: 214-665-7591
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 12/06/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

## INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2022	Source: EPA Region 7
Date Data Arrived at EDR: 06/13/2022	Telephone: 913-551-7003
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 12/06/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***State and tribal institutional control / engineering control registries***

### **AUL: Engineering and Institutional Controls**

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 08/19/2022	Source: Department of Environment, Great Lakes, and Energy
Date Data Arrived at EDR: 08/23/2022	Telephone: 517-373-4828
Date Made Active in Reports: 11/14/2022	Last EDR Contact: 11/15/2022
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/06/2023
	Data Release Frequency: Quarterly

## ***Lists of state and tribal voluntary cleanup sites***

### **INDIAN VCP R1: Voluntary Cleanup Priority Listing**

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

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

### **INDIAN VCP R7: Voluntary Cleanup Priority Listing**

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

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

## ***Lists of state and tribal brownfield sites***

### **BROWNFIELDS: Brownfields and USTfield Site Database**

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

Date of Government Version: 12/07/2021	Source: Department of Environment, Great Lakes, and Energy
Date Data Arrived at EDR: 04/26/2022	Telephone: 517-373-4805
Date Made Active in Reports: 07/19/2022	Last EDR Contact: 10/18/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

### **BROWNFIELDS 2: Brownfields Building and Land Site Locations**

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detroit Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 07/18/2022	Source: Economic Development Corporation
Date Data Arrived at EDR: 07/25/2022	Telephone: 888-522-0103
Date Made Active in Reports: 10/12/2022	Last EDR Contact: 10/17/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Varies

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

#### **US BROWNFIELDS: A Listing of Brownfields Sites**

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 12/07/2022  
Next Scheduled EDR Contact: 03/27/2023  
Data Release Frequency: Semi-Annually

## **Local Lists of Landfill / Solid Waste Disposal Sites**

### **HIST LF: Inactive Solid Waste Facilities**

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997  
Date Data Arrived at EDR: 02/28/2003  
Date Made Active in Reports: 03/06/2003  
Number of Days to Update: 6

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-335-4034  
Last EDR Contact: 02/28/2003  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### **SWRCY: Recycling Facilities**

A listing of recycling center locations.

Date of Government Version: 03/18/2022  
Date Data Arrived at EDR: 03/21/2022  
Date Made Active in Reports: 06/16/2022  
Number of Days to Update: 87

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-241-5719  
Last EDR Contact: 09/13/2022  
Next Scheduled EDR Contact: 01/02/2023  
Data Release Frequency: Varies

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

Location of open dumps on Indian land.

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

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 10/20/2022  
Next Scheduled EDR Contact: 02/06/2023  
Data Release Frequency: Varies

### **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

### **DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations**

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

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

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

### **IHS OPEN DUMPS: Open Dumps on Indian Land**

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

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

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 10/28/2022  
Next Scheduled EDR Contact: 02/06/2023  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 07/29/2022  
Date Data Arrived at EDR: 08/18/2022  
Date Made Active in Reports: 10/24/2022  
Number of Days to Update: 67

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 11/16/2022  
Next Scheduled EDR Contact: 03/06/2023  
Data Release Frequency: No Update Planned

### INVENTORY: Inventory of Facilities

The Inventory of Facilities has three data sources: Facilities under Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA) identified through state funded or private party response activities (Projects); Facilities under Part 213, Leaking Underground Storage Tanks of the NREPA; and Facilities identified through submittals of Baseline Environmental Assessments (BEA) submitted pursuant to Part 201 or Part 213 of the NREPA. The Part 201 Projects Inventory does not include all of the facilities that are subject to regulation under Part 201 because owners are not required to inform the Department of Environmental Quality (DEQ) about the facilities and can pursue cleanup independently. Facilities that are not known to DEQ are not on the Inventory, nor are locations with releases that resulted in low environmental impact. Part 213 facilities listed here may have more than one release; a list of releases for which corrective actions have been completed and list of releases for which corrective action has not been completed is located on the Leaking Underground Storage Tanks Site Search webpage. The DEQ may or may not have reviewed and concurred with the conclusion that the corrective actions described in a closure report meets criteria. A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

Date of Government Version: 07/18/2022  
Date Data Arrived at EDR: 07/18/2022  
Date Made Active in Reports: 07/19/2022  
Number of Days to Update: 1

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-284-5136  
Last EDR Contact: 10/18/2022  
Next Scheduled EDR Contact: 01/30/2023  
Data Release Frequency: Quarterly

### PART 201: Part 201 Site List

A Part 201 Listed site is a location that has been evaluated and scored by the DEQ using the Part 201 scoring model. The location is or includes a "facility" as defined by Part 201, where there has been a release of a hazardous substance(s) in excess of the Part 201 residential criteria, and/or where corrective actions have not been completed under Part 201 to meet the applicable cleanup criteria for unrestricted residential use. The Part 201 List does not include all of the sites of contamination that are subject to regulation under Part 201 because owners are not required to inform the DEQ about the sites and can pursue cleanup independently. Sites of environmental contamination that are not known to DEQ are not on the list, nor are sites with releases that resulted in low environmental impact.

Date of Government Version: 10/01/2013  
Date Data Arrived at EDR: 10/03/2014  
Date Made Active in Reports: 10/03/2014  
Number of Days to Update: 0

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-284-5103  
Last EDR Contact: 07/22/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: No Update Planned

### CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 07/29/2022  
Date Data Arrived at EDR: 08/10/2022  
Date Made Active in Reports: 10/31/2022  
Number of Days to Update: 82

Source: Department of Community Health  
Telephone: 517-373-3740  
Last EDR Contact: 10/11/2022  
Next Scheduled EDR Contact: 01/30/2023  
Data Release Frequency: No Update Planned



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DEL PART 201: Delisted List of Contaminated Sites

A deleted site has been removed from the Part 201 List because information known to the DEQ at the time of the evaluation does not support inclusion on the Part 201 List. This designation is often applied to sites where changes in cleanup criteria resulted in a determination that the site no longer exceeds any applicable cleanup criterion.

A delisted site has been removed from the Part 201 List because response actions have reduced the levels of contaminants to concentrations which meet or are below the criteria for unrestricted residential use.

Date of Government Version: 08/01/2013  
Date Data Arrived at EDR: 08/01/2013  
Date Made Active in Reports: 09/11/2013  
Number of Days to Update: 41

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-373-9541  
Last EDR Contact: 07/22/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Varies

## 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: 07/29/2022  
Date Data Arrived at EDR: 08/18/2022  
Date Made Active in Reports: 10/24/2022  
Number of Days to Update: 67

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 11/16/2022  
Next Scheduled EDR Contact: 03/06/2023  
Data Release Frequency: Quarterly

## Local Land Records

### LIENS: Lien List

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: 07/11/2022  
Date Data Arrived at EDR: 07/11/2022  
Date Made Active in Reports: 09/22/2022  
Number of Days to Update: 73

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-241-7603  
Last EDR Contact: 11/21/2022  
Next Scheduled EDR Contact: 01/23/2023  
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: 10/27/2022  
Date Data Arrived at EDR: 11/01/2022  
Date Made Active in Reports: 11/15/2022  
Number of Days to Update: 14

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 12/01/2022  
Next Scheduled EDR Contact: 01/09/2023  
Data Release Frequency: Semi-Annually

## Records of Emergency Release Reports

### HMIRS: Hazardous Materials Information Reporting System

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PEAS: Pollution Emergency Alerting System

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 07/18/2022

Source: Department of Environment, Great Lakes, and Energy

Date Data Arrived at EDR: 07/18/2022

Telephone: 517-373-8427

Date Made Active in Reports: 10/03/2022

Last EDR Contact: 10/18/2022

Number of Days to Update: 77

Next Scheduled EDR Contact: 01/30/2023

Data Release Frequency: Quarterly

## 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: 11/21/2022

Source: Environmental Protection Agency

Date Data Arrived at EDR: 11/21/2022

Telephone: 312-886-6186

Date Made Active in Reports: 12/05/2022

Last EDR Contact: 11/21/2022

Number of Days to Update: 14

Next Scheduled EDR Contact: 01/02/2023

Data Release Frequency: Quarterly

### FUDS: Formerly Used Defense Sites

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

Date of Government Version: 08/11/2022

Source: U.S. Army Corps of Engineers

Date Data Arrived at EDR: 08/11/2022

Telephone: 202-528-4285

Date Made Active in Reports: 09/30/2022

Last EDR Contact: 11/10/2022

Number of Days to Update: 50

Next Scheduled EDR Contact: 02/27/2023

Data Release Frequency: Varies

### DOD: Department of Defense Sites

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

Date of Government Version: 06/07/2021

Source: USGS

Date Data Arrived at EDR: 07/13/2021

Telephone: 888-275-8747

Date Made Active in Reports: 03/09/2022

Last EDR Contact: 10/13/2022

Number of Days to Update: 239

Next Scheduled EDR Contact: 01/23/2023

Data Release Frequency: Varies

### FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018

Source: U.S. Geological Survey

Date Data Arrived at EDR: 04/11/2018

Telephone: 888-275-8747

Date Made Active in Reports: 11/06/2019

Last EDR Contact: 10/03/2022

Number of Days to Update: 574

Next Scheduled EDR Contact: 01/16/2023

Data Release Frequency: N/A

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/03/2022  
Next Scheduled EDR Contact: 02/20/2023  
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: 06/20/2022  
Date Data Arrived at EDR: 06/21/2022  
Date Made Active in Reports: 08/31/2022  
Number of Days to Update: 71

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 09/20/2022  
Next Scheduled EDR Contact: 01/02/2023  
Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013  
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: 10/28/2022  
Next Scheduled EDR Contact: 02/16/2023  
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: 10/28/2022  
Next Scheduled EDR Contact: 02/16/2023  
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: 06/17/2020  
Date Made Active in Reports: 09/10/2020  
Number of Days to Update: 85

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 09/12/2022  
Next Scheduled EDR Contact: 12/26/2022  
Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 08/14/2020  
Date Made Active in Reports: 11/04/2020  
Number of Days to Update: 82

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 11/01/2022  
Next Scheduled EDR Contact: 02/27/2023  
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: 07/18/2022  
Date Data Arrived at EDR: 07/18/2022  
Date Made Active in Reports: 07/29/2022  
Number of Days to Update: 11

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 10/18/2022  
Next Scheduled EDR Contact: 01/30/2023  
Data Release Frequency: Annually

## ROD: Records Of Decision

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

Date of Government Version: 10/27/2022  
Date Data Arrived at EDR: 11/01/2022  
Date Made Active in Reports: 11/15/2022  
Number of Days to Update: 14

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 12/01/2022  
Next Scheduled EDR Contact: 03/13/2023  
Data Release Frequency: Annually

## RMP: Risk Management Plans

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

Date of Government Version: 04/27/2022  
Date Data Arrived at EDR: 05/04/2022  
Date Made Active in Reports: 05/10/2022  
Number of Days to Update: 6

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 10/27/2022  
Next Scheduled EDR Contact: 01/30/2023  
Data Release Frequency: Varies

## RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995  
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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/27/2022	Source: EPA
Date Data Arrived at EDR: 11/01/2022	Telephone: 202-564-6023
Date Made Active in Reports: 11/15/2022	Last EDR Contact: 12/01/2022
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/16/2023
	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: 01/20/2022	Source: EPA
Date Data Arrived at EDR: 01/20/2022	Telephone: 202-566-0500
Date Made Active in Reports: 03/25/2022	Last EDR Contact: 10/06/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

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

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

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

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

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

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

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

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

## MLTS: Material Licensing Tracking System

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

Date of Government Version: 10/26/2022	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 11/22/2022	Telephone: 301-415-7169
Date Made Active in Reports: 12/05/2022	Last EDR Contact: 10/11/2022
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/30/2023
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2020	Source: Department of Energy
Date Data Arrived at EDR: 11/30/2021	Telephone: 202-586-8719
Date Made Active in Reports: 02/22/2022	Last EDR Contact: 11/29/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 03/13/2023
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 11/23/2022
Number of Days to Update: 251	Next Scheduled EDR Contact: 03/13/2023
	Data Release Frequency: Varies

## PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 11/03/2022
Number of Days to Update: 96	Next Scheduled EDR Contact: 02/13/2023
	Data Release Frequency: Varies

## RADINFO: Radiation Information Database

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

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

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Transportation, 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 Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 10/24/2022  
Next Scheduled EDR Contact: 02/06/2023  
Data Release Frequency: Quarterly

## CONSENT: Superfund (CERCLA) Consent Decrees

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

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

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

## BRS: Biennial Reporting System

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

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

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 11/21/2022  
Next Scheduled EDR Contact: 01/02/2023  
Data Release Frequency: Biennially

## INDIAN RESERV: Indian Reservations

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

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

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

## FUSRAP: Formerly Utilized Sites Remedial Action Program

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

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

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 10/27/2022  
Next Scheduled EDR Contact: 02/16/2023  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 11/09/2022  
Next Scheduled EDR Contact: 02/27/2023  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/27/2022  
Date Data Arrived at EDR: 11/01/2022  
Date Made Active in Reports: 11/15/2022  
Number of Days to Update: 14

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 12/01/2022  
Next Scheduled EDR Contact: 01/09/2023  
Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

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

Date of Government Version: 04/05/2001  
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: 08/01/2022  
Date Data Arrived at EDR: 08/02/2022  
Date Made Active in Reports: 09/30/2022  
Number of Days to Update: 59

Source: DOL, Mine Safety & Health Administration  
Telephone: 202-693-9424  
Last EDR Contact: 11/28/2022  
Next Scheduled EDR Contact: 03/13/2023  
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.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/03/2022  
Date Data Arrived at EDR: 08/17/2022  
Date Made Active in Reports: 08/31/2022  
Number of Days to Update: 14

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 11/17/2022  
Next Scheduled EDR Contact: 03/06/2023  
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: 05/06/2020  
Date Data Arrived at EDR: 05/27/2020  
Date Made Active in Reports: 08/13/2020  
Number of Days to Update: 78

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 11/21/2022  
Next Scheduled EDR Contact: 03/06/2023  
Data Release Frequency: Varies

## US MINES 3: Active Mines & Mineral Plants Database Listing

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

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

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 11/21/2022  
Next Scheduled EDR Contact: 03/06/2023  
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: 09/13/2022  
Date Data Arrived at EDR: 09/14/2022  
Date Made Active in Reports: 12/05/2022  
Number of Days to Update: 82

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 11/30/2022  
Next Scheduled EDR Contact: 03/20/2023  
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: 08/03/2022  
Date Data Arrived at EDR: 08/25/2022  
Date Made Active in Reports: 10/24/2022  
Number of Days to Update: 60

Source: EPA  
Telephone: (312) 353-2000  
Last EDR Contact: 11/29/2022  
Next Scheduled EDR Contact: 03/13/2023  
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: 05/06/2021  
Date Data Arrived at EDR: 05/21/2021  
Date Made Active in Reports: 08/11/2021  
Number of Days to Update: 82

Source: Environmental Protection Agency  
Telephone: 202-564-0527  
Last EDR Contact: 11/15/2022  
Next Scheduled EDR Contact: 03/06/2023  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020	Source: Department of Defense
Date Data Arrived at EDR: 01/11/2022	Telephone: 703-704-1564
Date Made Active in Reports: 02/14/2022	Last EDR Contact: 10/05/2022
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/23/2023
	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: 06/25/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2022	Telephone: 202-564-2280
Date Made Active in Reports: 09/30/2022	Last EDR Contact: 09/30/2022
Number of Days to Update: 91	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Quarterly

## FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 08/11/2022	Source: EPA
Date Data Arrived at EDR: 08/11/2022	Telephone: 800-385-6164
Date Made Active in Reports: 09/30/2022	Last EDR Contact: 11/10/2022
Number of Days to Update: 50	Next Scheduled EDR Contact: 02/27/2023
	Data Release Frequency: Quarterly

## PFAS NPL: Superfund Sites with PFAS Detections Information

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

Date of Government Version: 02/23/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/08/2022	Telephone: 703-603-8895
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/04/2022
Number of Days to Update: 123	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

## PFAS FEDERAL SITES: Federal Sites PFAS Information

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

Date of Government Version: 02/23/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/06/2022
Number of Days to Update: 222	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

## PFAS TSCA: PFAS Manufacture and Imports Information

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

Date of Government Version: 01/03/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/04/2022
Number of Days to Update: 222	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST\_HANDLING\_INSTR), Non-hazardous waste description (NON\_HAZ\_WASTE\_DESCRIPTION), DOT printed information (DOT\_PRINTED\_INFORMATION), Waste line handling instructions (WASTE\_LINE\_HANDLING\_INSTR), Waste residue comments (WASTE\_RESIDUE\_COMMENTS).

Date of Government Version: 01/03/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/06/2022
Number of Days to Update: 222	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

## PFAS ATSDR: PFAS Contamination Site Location Listing

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

Date of Government Version: 06/24/2020	Source: Department of Health & Human Services
Date Data Arrived at EDR: 03/17/2021	Telephone: 202-741-5770
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/28/2022
Number of Days to Update: 601	Next Scheduled EDR Contact: 02/06/2023
	Data Release Frequency: Varies

## PFAS WQP: Ambient Environmental Sampling for PFAS

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

Date of Government Version: 01/03/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/06/2022
Number of Days to Update: 222	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

## PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 01/03/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/06/2022
Number of Days to Update: 222	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

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

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

Date of Government Version: 01/03/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/06/2022
Number of Days to Update: 222	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 08/22/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/06/2022
Number of Days to Update: 222	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

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

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

Date of Government Version: 08/22/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/26/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/26/2022
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

## AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

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

Date of Government Version: 02/23/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/06/2022
Number of Days to Update: 222	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Varies

## PFAS: PFAS Contaminated Sites Listing

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

Date of Government Version: 08/05/2022	Source: Department of Environment, Great Lakes & Energy
Date Data Arrived at EDR: 08/08/2022	Telephone: 517-284-9278
Date Made Active in Reports: 10/25/2022	Last EDR Contact: 11/07/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/20/2023
	Data Release Frequency: Varies

## AIRS: Permit and Emissions Inventory Data Permit and emissions inventory data.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/13/2022  
Date Data Arrived at EDR: 09/13/2022  
Date Made Active in Reports: 12/05/2022  
Number of Days to Update: 83

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-373-7074  
Last EDR Contact: 12/06/2022  
Next Scheduled EDR Contact: 03/27/2023  
Data Release Frequency: Annually

## ASBESTOS: Asbestos Notification Listing Asbestos

Date of Government Version: 09/30/2022  
Date Data Arrived at EDR: 10/13/2022  
Date Made Active in Reports: 10/31/2022  
Number of Days to Update: 18

Source: Department of Licensing & Regulatory Affairs  
Telephone: 517-284-7699  
Last EDR Contact: 12/01/2022  
Next Scheduled EDR Contact: 01/16/2023  
Data Release Frequency: Quarterly

## BEA: Baseline Environmental Assessment Database

A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

Date of Government Version: 08/10/2022  
Date Data Arrived at EDR: 08/10/2022  
Date Made Active in Reports: 10/31/2022  
Number of Days to Update: 82

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-373-9541  
Last EDR Contact: 11/02/2022  
Next Scheduled EDR Contact: 02/20/2023  
Data Release Frequency: No Update Planned

## COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 04/01/2021  
Date Data Arrived at EDR: 04/06/2021  
Date Made Active in Reports: 06/24/2021  
Number of Days to Update: 79

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 586-753-3754  
Last EDR Contact: 09/21/2022  
Next Scheduled EDR Contact: 01/10/2023  
Data Release Frequency: Varies

## DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 07/11/2022  
Date Data Arrived at EDR: 07/14/2022  
Date Made Active in Reports: 09/22/2022  
Number of Days to Update: 70

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-335-4586  
Last EDR Contact: 10/13/2022  
Next Scheduled EDR Contact: 01/23/2023  
Data Release Frequency: Quarterly

## Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 06/27/2022  
Date Data Arrived at EDR: 06/28/2022  
Date Made Active in Reports: 09/12/2022  
Number of Days to Update: 76

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-335-6610  
Last EDR Contact: 09/22/2022  
Next Scheduled EDR Contact: 01/09/2023  
Data Release Frequency: Semi-Annually

## Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 06/17/2022  
Date Data Arrived at EDR: 06/22/2022  
Date Made Active in Reports: 06/28/2022  
Number of Days to Update: 6

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-335-4034  
Last EDR Contact: 12/05/2022  
Next Scheduled EDR Contact: 01/02/2023  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FINANCIAL ASSURANCE 3: Financial Assurance Information Listing

Financial assurance information for underground storage tank facilities.

Date of Government Version: 06/23/2022  
Date Data Arrived at EDR: 06/30/2022  
Date Made Active in Reports: 09/15/2022  
Number of Days to Update: 77

Source: Department of Licensing & Regulatory Affairs  
Telephone: 517-335-7279  
Last EDR Contact: 09/22/2022  
Next Scheduled EDR Contact: 01/09/2023  
Data Release Frequency: Varies

## LEAD CERT: Lead Safe Housing Registry

A listing of Michigan properties included in the Lead Safe Housing Registry.

Date of Government Version: 03/25/2020  
Date Data Arrived at EDR: 03/25/2020  
Date Made Active in Reports: 06/15/2020  
Number of Days to Update: 82

Source: Department of Community Health  
Telephone: 517-335-9699  
Last EDR Contact: 12/06/2022  
Next Scheduled EDR Contact: 03/13/2023  
Data Release Frequency: Quarterly

## NPDES: List of Active NPDES Permits

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

Date of Government Version: 11/18/2021  
Date Data Arrived at EDR: 12/21/2021  
Date Made Active in Reports: 03/14/2022  
Number of Days to Update: 83

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-241-1300  
Last EDR Contact: 09/27/2022  
Next Scheduled EDR Contact: 01/10/2023  
Data Release Frequency: Varies

## UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 07/19/2022  
Date Data Arrived at EDR: 07/20/2022  
Date Made Active in Reports: 10/04/2022  
Number of Days to Update: 76

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-241-1515  
Last EDR Contact: 10/11/2022  
Next Scheduled EDR Contact: 01/30/2023  
Data Release Frequency: Quarterly

## WDS: Waste Data System

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

Date of Government Version: 08/11/2022  
Date Data Arrived at EDR: 08/11/2022  
Date Made Active in Reports: 10/31/2022  
Number of Days to Update: 81

Source: Department of Environment, Great Lakes, and Energy  
Telephone: 517-284-6562  
Last EDR Contact: 11/08/2022  
Next Scheduled EDR Contact: 02/27/2023  
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: 09/28/2022  
Next Scheduled EDR Contact: 01/16/2023  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/28/2022  
Next Scheduled EDR Contact: 01/16/2023  
Data Release Frequency: Semi-Annually

## MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 04/06/2018  
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: 11/22/2022  
Next Scheduled EDR Contact: 03/06/2023  
Data Release Frequency: Varies

## 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: 09/28/2022  
Next Scheduled EDR Contact: 01/16/2023  
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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### *Exclusive Recovered Govt. Archives*

#### RGA PART 201: 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 Quality in Michigan.

Date of Government Version: N/A	Source: Department of Environment, Great Lakes, and Energy
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/24/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 176	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 Quality in Michigan.

Date of Government Version: N/A	Source: Department of Environment, Great Lakes, and Energy
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/13/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 196	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 Quality in Michigan.

Date of Government Version: N/A	Source: Department of Environment, Great Lakes, and Energy
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/24/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 176	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.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 08/08/2022  
Date Data Arrived at EDR: 08/08/2022  
Date Made Active in Reports: 10/21/2022  
Number of Days to Update: 74

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 11/16/2022  
Next Scheduled EDR Contact: 02/20/2023  
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: 10/03/2022  
Next Scheduled EDR Contact: 01/16/2023  
Data Release Frequency: Annually

## NY MANIFEST: Facility and Manifest Data

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

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

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 10/28/2022  
Next Scheduled EDR Contact: 02/06/2023  
Data Release Frequency: Quarterly

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

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

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

## RI MANIFEST: Manifest information

Hazardous waste manifest information

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

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 12/07/2022  
Next Scheduled EDR Contact: 02/27/2023  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

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

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 12/01/2022  
Next Scheduled EDR Contact: 03/20/2023  
Data Release Frequency: Annually

## Oil/Gas Pipelines

Source: Endeavor Business Media

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

## Electric Power Transmission Line Data

Source: Endeavor Business Media

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# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

**AHA Hospitals:**

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

**Medical Centers: Provider of Services Listing**

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

**Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

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

**Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

**Private Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

**Daycare Centers: Day Care Centers, Group & Family Homes**

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

**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: Wetlands Inventory**

Source: Department of Natural Resources

Telephone: 517-241-2254

## **STREET AND ADDRESS INFORMATION**

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**VILLAGE OF SARANAC CONTAMINANT SOURCE INVENTORY - INSIDE WHPA**

<b>Map ID</b>	<b>Site Owner/Name of Site</b>	<b>Address</b>	<b>Potential Hazard</b>	<b>Comments</b>
1	Shaler Excavating Inc. Pit / Risner Sand & Gravel, LLC	7549 West Riverside Drive	US Mines, Abandoned Mines, Airs	Abandoned 2008, construction sand and gravel, surface mine, AIRS - permit - non-metallic mineral crusher
2	Grace Ritter Property / Barry Property / Ritters Service	7122 Grand River Avenue	RGA Part 213, Finds, RCRA NonGen/NLR, Echo, BEA, Part 211, WDS, Inventory, EDR Hist Auto	Gasoline release 1994, two 1000 gal. 550 gal, and a 660 gal gasoline tanks removed from ground 1994. Release Status - Open. BEA: P199700301GR 1997, RRD submitted 2004.
3		Bridge Street Main	CDL	CDL

# **ATTACHMENT D**

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Management Strategies

**VILLAGE OF SARANAC  
SUPPORTING WELLHEAD PROTECTION PROGRAM  
RESOLUTION NO. 99- 03-15**

**WHEREAS**, the Saranac Village Council recognizes the importance of its groundwater supply as a natural resource used for drinking; and

**WHEREAS**, it is within the responsibility of the Village of Saranac as a public water supplier, to consider the health, safety, and welfare of its customers, and

**WHEREAS**, groundwater contamination can and does occur as a consequence of a variety of land use activities; and

**WHEREAS**, it is desirable to preserve and protect the quantity and quality of our groundwater resources to assure a continued safe, adequate, and useable supply, now and in the future; and

**WHEREAS**, the protection of current and potential future sources of groundwater used for drinking water is worthwhile from the standpoint of resource protection; and

**WHEREAS**, the Michigan Department of Environmental Quality (MDEQ) Drinking Water and Radiological Protection Division has established rules and guidelines for conducting a Wellhead Protection Program; and

**WHEREAS**, a grant program has been established to provide financial assistance for local wellhead protection programs;

**NOW THEREFORE, BE IT RESOLVED** that the Saranac Village Council hereby commits to the development and implementation of a local Wellhead Protection Program within one year after the grant application is submitted to the MDEQ.

Ayes: all Westbrook - motion  
Nays: — Grant - support  
Absent: Page, Breckon

This Resolution declared adopted this 15th day of March, 1999

**CERTIFICATION:**

I, Pamela E. Masterson, the duly elected and acting clerk of the Village of Saranac, Ionia County, Michigan, certify that the foregoing resolution no. 99-03-15 was duly adopted by the Saranac Village Council at a Regular Meeting held on March 15, 1999 at the Saranac Municipal Building and that said meeting was held in accordance with the Open Meetings Act of the State of Michigan.

Pamela E. Masterson  
Pamela E. Masterson, Village Clerk

# **ATTACHMENT E**

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Emergency Response Plan(s)

# **EMERGENCY RESPONSE PLAN**

for the  
**Village of Saranac Water Supply System**

**In the case of an emergency involving the water system refer to the Red Water System Emergency Response Ring binder. Ring binders are located in each well house, the DPW Garage Office and the Director of Public Works Office at 27 N. Bridge St.**

In case of emergency, contact the Michigan Department of Environmental Quality as soon as possible.

Considerations: Loss of pressure, inadequate quantities of water available, contamination

## **GENERAL**

1. Personnel – List personnel available during emergency conditions. Include position, job duties, telephone number and whether available during strikes:

For On-Call DPW Employee, 616-642-6960

Tony Koster, Acting Director of Public Works, Certified Operator, 616-902-3944

Brendon Lake, DPW Employee, 616-340-5654

Mike Darby, DPW Employee, 860-857-8491

Hayden Stickney, DPW Employee, 616-755-3850

2. Miscellaneous – List other telephone numbers that may be needed during emergencies:

- a. Michigan Department of Environmental Quality: 616-356-0500

District Engineer/Sanitarian: Wood Chooi, 616-356-0228

Environmental Quality Analyst: Jeremy Klein, 616-250-1053

Emergency Number: 1-800-292-4706

Fax: 616-356-0298

- b. Appropriate Municipal Officials:

Sharon Darby, Village President 616-340-0296

Becky Straubel, Village Treasurer 616-902-5131

Adam Doll, Chairman Water & Sewer Committee 616-902-2211

- c. Local Health Department: 527-5341

- d. Department of Agriculture: 616-356-0600
  - e. Police: Emergencies 911 Non-Emergency 527-0400
  - f. Fire Department: Emergency 911 Non-Emergency 527-0400  
Week Day Fire Fighter, Tony Koster 616-902-3944
  - g. Newspapers:  
Ionia Sentinel Standard 616-527-2100  
G.R. Press 616-222-5455
  - h. Radio/TV Stations:  
WION Radio 527-9466  
Wood TV 616-451-3260  
WZZM 13 616-785-1313
  - i. Nearby Water Utilities: City of Ionia 527-4170 Chris Kenyon 527 0370
  - j. Nearby Laboratories: Ionia Sewer Plant 527-0370 Lab. Ext. 103
  - k. Other:
3. Contractors – List telephone numbers of reputable contractors which may be needed during emergencies:
- a. Excavators:  
C&L Excavating 527-9352 John Lepien 616-446-7618  
Chris Risner 642-6023 cell 616-293-1223  
Brian Ortowski 616-897-7083 cell 616-616-291-5907
  - b. Well Drillers:  
Peerless Midwest 527-0050 Bob Masters 616-490-1348
  - c. Welders:  
Frank Leasure 616-889-1418  
Ionia Welding 527-0320



- d. Electricians:
    - Rickert Electric 897-9802
    - Clorwell Electric 527-1110
  - e. Plumbers:
    - Canfield Plumbing 616-897-0887
    - Wilson Plumbing & Heating 527-0391
  - f. Other:
4. Suppliers – List telephone numbers of suppliers which may be needed during emergencies:
- a. Chemical Suppliers:
    - Peerless Midwest 527-0050
    - Peerless Midwest Bob Masters 616-490-1348
  - b. Pump Suppliers:
    - Peerless Midwest 527-0050
    - Bob Masters 616-490-1348
  - c. Water Main Repair Materials Supplier:
    - ETNA Supply 616-290-3862 Alby 616-262-7571
    - East Jordan 616-538-2040
    - Municipal Supply 517-647-2007 Rocky 517-526-1056
  - d. Other:

## **CRITICAL CUSTOMERS**

1. List critical customers or users for whom the provision of a continuous supply of safe water is most urgent. Include name, telephone number and address.

Saranac Housing Apartments: 203 S. Parsonage St., 300 Summit St.  
320 Summit St.

Saranac Housing Commission 616-642-9832

Director, Angela Stephens 616-642-3794.

Asst. Tracie DeVries, Employee 616-642-3646

2. Describe method to provide critical customers with a continuous supply of water.

Furnish bottled water from Meijers and/or Wal-Mart as supplied by the Village of Saranac

## **COMMUNICATIONS**

1. Describe methods of communication available during power outages.

Two way radios and Fire Department P.A. system on fire apparatus.  
Fliers hand delivered door to door.

2. Describe methods to provide customers or users with current information and recommended precautions to protect public health.

Hand delivered fliers, fire department P.A. system on apparatus.

## **PLANS & AGREEMENTS**

1. General Layout. Attach the general layout (piping schematic) of the waterworks system or indicate the location of the General Plan as well as valve and hydrant records and any other information that would be helpful in fully describing the water system.

General plan of water system and valve and hydrant records are located in the right hand filing cabinet on north wall of office in Village Department of Public Works Garage.

2. Personnel Safety Plans. List relevant plans and indicate their locations. Examples may include evacuation plans, lock down procedures, location of personal protective equipment (PPE) and procedures for use.

All P.P.E. are located in the DPW Garage.

3. Material Safety Data Sheets (MSDS).

All M.S.D.S. are located in the left hand filing cabinet located on the north wall of the office in the DPW Garage.

4. Water Sampling and Monitoring Plans. Describe monitoring to be conducted to identify potential public health threats. List plans and their locations. Examples include the Bacteriological Sample Siting Plan, sampling procedures for different types of contaminants, locations of sampling containers and procedures to obtain more, laboratories to analyze other contaminants, identify laboratories to contact (with phone numbers) to arrange for rapid sampling for volatile organic chemicals or other unknown compounds.

The bacteriological sampling site plan is located in the red Emergency Response Plan ring binder in the DPW Office and in the Village Office in the water file draw.

Sampling for other possible contaminants will be conducted as directed by the Michigan DEQ or Fleis & VandenBrink Engineering guidance.

Refer to the DEQ phone numbers on page 1 of the Emergency Response Plan

Fleis & VandenBrink phone 1-800-494-5202.

Sample bottles for Bacteriological Sampling are in the gray cabinet in the DPW Garage bay.

More bottles are available through the Ionia City Lab 616-527-0370 Ext 103

Bottles for other contaminate will be provided by the lab doing the testing.

Bio-Chem, 1049 28<sup>th</sup> St. S.E. G.R. 616-248-4900

TriMaTrix Laboratories 5560 Corporate Exchange Court S.E. G. R. 616-975-4500

State of Mich Lab 3350 N Martin Luther King Blvd Lansing 517-3354-8063

5. Mutual aid agreements. Describe type and terms of agreements with other water supplies that may be implemented during an emergency. Attach or include location of agreements. Examples include sharing personnel and equipment, and loaning supplies.

City of Ionia Call Waste Treatment Plant 616-527-0370

Chris Kenyon 616-527-0370

No Mutual Aid Agreements

6. Emergency Supplies and Equipment Plans.

All supplies and plans stored at DPW.

Contact on call DPW Employee 616-642-6960

Tony Koster 616-902-3944

Brendon Lake 616-340-5654

Mike Darby 860-857-8491

Hayden Stickney 616-755-3850

- a. Emergency equipment available. Identify and indicate location of equipment and vehicles that may be needed in an emergency. If the equipment is leased, rented, shared or otherwise not immediately available, describe the procedure for securing the equipment including contact information.

Village owned equipment stored at DPW.

For vacuum truck contact City of Ionia 616-527-0370

For backhoe and repair crew contact C&L Trucking 527-9352  
Chad 616-292-6468 John Lepien 616-446-7618.

- b. Replacement equipment. Identify and indicate location of replacement equipment or parts that may be needed in an emergency. Describe how to secure replacements, if not on site, including contact information (or refer to Contacts section of this ERP).

Refer to the contacts section on pages 2 & 3.

- c. First aid supplies and equipment. Include locations and contact information for securing additional supplies and equipment.

Located in DPW Garage Office or in each DPW Truck.

Call 911 for emergency medical help or 616-527-0400 and request the Fire Department First Responders for medical assistance or to secure additional medical supplies.

**SOURCE**

**Master Meter**

Location(s) and Size(s)

N/A

**Groundwater Sources**

Well Number	Diameter (inches)	Depth (feet)	Capacity (gpm)	Location	Treatment Type
#4	12"	110'	700	205 S. Parsonage St	N/A
#5	16"	120'	600	215 S. Parsonage St	N/A

**Surface Water Sources**

Pump Number	High or Low Service	Capacity (gpm)	Location
N/A			

1. Describe method to operate wells for groundwater sources, or pumps for surface water sources (manual or automatic).

Wells are set to operate and cycle automatically.

To run manually, turn the well control switch in the appropriate well house over to the manual position. When in the manual position it will also be necessary to monitor the water tower overflow pipe to determine when the tower is full and then turn the appropriate well over from manual to the off position.

2. Well #5 has natural gas auxiliary power with automatic start-up.

Emergency contact: Cummins, Inc. 1-855-879-6135

3. Auxiliary power available:

Type: Natural Gas operated engine with right angle gear drive.

Location: In the #4 well house.

Capacity: 700 to 800 GPM at 2200 RPMs

Describe how to activate and operate auxiliary power:

Turn the well control switch on the electrical panel in south west corner of #4 well house to the off position.

Proceed to the auxiliary drive collar on the well pump shaft located below the well drive motor and above the well head. Using the two bolts lying alongside the collar, slide the bolts into the two holes running from the top of the collar down to the drive unit. Manually spin the shaft until the bolts line up with the threaded holes in the drive unit. Screw the bolts in manually until they bottom out.

Turn on the gas feed cock on the gas plumbing located on the left front corner of the engine. Once the cock has been turned on, the gas pressure gauge on the left rear side of the auxiliary engine will show pressure.

Go to the engine control switches and gauges located on the back of the engine near the flywheel housing. Turn the ignition switch to the on position and press the overheat bypass button. Next press the start button. Once the engine has started, allow it to warm up for a minimum of 3 minutes.

Once the engine has warmed up, slowly move the clutch control arm into the engaged position. The well drive shaft should now be rotating. Next, slowly move the engine accelerator lever to the position which raises the Tachometer up to 2200 RPM's.

Once the engine has been started and engaged and is properly pumping water, the hatch in the roof above the well drive engine must be opened to allow for ventilation. Next you will need to open the double doors on the south east side of the well house and close and lock the metal gate.

The water tower overflow pipe will have to be monitored occasionally to determine when the well must be shut down.

If auxiliary power is leased, rented, shared or otherwise not immediately available on the property, describe the procedure for securing the equipment:

Owner: Contract Dewatering Company

Contact name and telephone number:

Office 616-642-9415

Lisa & Ryan Jackson 616-642-9721

Type and terms of agreement: Verbal

## TREATMENT

1. If treatment employed at wells, describe method to provide auxiliary power to chemical feed pumps.

N/A

2. If centralized treatment employed (iron removal, zeolite softening, etc.):

N/A

- a. Describe method to provide auxiliary power to high service pumps:

N/A

- b. Describe method to provide auxiliary power to chemical feed pumps:

N/A

- c. Describe procedure to bypass treatment facility:

N/A

3. If no treatment, describe method to provide emergency chlorination:

Chlorination pump in #5 well house

4. If surface water treatment employed, describe method to provide auxiliary power.

N/A

**DISTRIBUTION**

1. Storage

Tank Type	Capacity	Location
Elevated	400,000	275 S. Pleasant St

Describe procedure to bypass storage facility: Place pressure relief valves on the appropriate hydrants as marked on valves. Open appropriate hydrants, turn #5 well to manual. Close tower valve located just north of the base of the water tower in the grass.

2. Pumping stations: N/A

a. Identify location and capacity of pumps: N/A

b. Describe method to provide auxiliary power to pumps: N/A

3. Describe any emergency interconnections with other water supplies. List contact persons, telephone numbers and procedures to secure water from and provide water to those other water supplies. N/A

4. List available licensed water haulers and sources of bottled water with phone numbers.

Meijer in Ionia 616-527-5106

Meijer in Lowell 616-897-4701

Wal-Mart in Ionia 616-527-1392

Licensed Water Hauler: Mike Serne 616-676-9347

**ADDITIONAL INSTRUCTIONS**

The Emergency Response Plan shall be located and distributed as necessary to assure effective use by all necessary waterworks personnel.

This plan shall be updated every 3 years or as necessary (as changes occur in personnel, contact information, or other factors).

Signature:   
Anthony Jay Koster, Director of Public Works



# **ATTACHMENT F**

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Public Participation and Education



# CONSUMER CONFIDENCE REPORT

*We are very pleased to provide you with this year's Water Quality Report. We want to keep you informed about the excellent water and services we have delivered to you over the past year. Our goal is and always has been, to provide you with a safe and dependable supply of drinking water. I am pleased to report that our drinking water IS SAFE and meets or exceeds EPA and EGLE requirements.*

### WHY DO YOU GET THIS REPORT?

The EPA (Environmental Protection Agency) requires every community throughout the United States to report specific details regarding water quality, along with any contaminants that may be found in the water supply. In order to ensure that this information reaches all customers, the EPA requires this report be mailed, hand delivered, or electronically delivered to each household and business we supply. If you have any questions about this report or concerning your water quality, please contact Tony Koster, DPW Director, at 616.902.3944, or attend any of our regularly scheduled meetings which are held at 7:00 p.m., the second Monday of each month at the Saranac Village Office, 27 N Bridge Street.

### THE SOURCE OF YOUR WATER

Our water source is from two (2) wells owned by the Village. Our wells draw water from the glacial material of the Grand River Valley. The depth of the wells varies from 115 to 120 feet below the surface. The State performed an assessment of our source water in 2015 to determine the susceptibility or the relative potential of contamination. The acceptability rating is on a seven-tiered scale from "very low" to "very high" based on geological sensitivity, water chemistry and contamination sources. The susceptibility of our source is "moderately high." You may obtain a copy of the Source Water Assessment Report at the Saranac Village Office. We have made efforts to protect our sources from contamination by developing a Wellhead Protection Program for the Village's public water system. This protection is provided by determining the groundwater areas which contribute to the Village's existing wells. This area is called the wellhead protection area and represents that part of the aquifer that will supply water to the Village's wells in the future. Our wellhead protection area is approximately 1 mile wide and runs south to the I-96 expressway. The perimeters of the wellhead protection area have been marked with signs along roadways stating "Now Entering Saranac Drinking Water Wellhead Protection Area."

The Village of Saranac routinely monitors for over eighty contaminants in your drinking water, according to Federal and State laws. The tables on page 3 and 4 show the results of our monitoring for the period of January 1st to December 31st, 2022. The State of Michigan allows us to monitor some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may reasonably be expected to contain at least small amounts of some contaminants. It is important to remember that the presence of these contaminants does not necessarily pose a health risk.

## **ABOUT CONTAMINANTS**

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals, and in some cases radioactive material and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include: Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production and can also come from gas stations, urban storm water runoff and septic systems; and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

## **DO YOU NEED TO TAKE SPECIAL PRECAUTIONS?**

In order to ensure that tap water is safe to drink, the EPA prescribes regulations limiting the level of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health. The presence of contaminants does not necessarily indicate that the water poses a health risk. Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons, such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk for infections. These people should seek advice about drinking water from their health care providers. More information on potential health effects of specific contaminants is available from the Safe Drinking Water Hotline (800.426.4791) or at <http://www.epa.gov/dwstandardsregulations>.

## **Notice of Failure to Maintain a Licensed Operator-In-Charge (OIC)**

On August 26, 2022 the Village of Saranac received a violation notice from EGLE, for failure to maintain a licensed Operator-In-Charge (OIC). Our OIC's license expired on July 15, 2021, resulting in the violation. On August 25, 2022 our OIC's license was reinstated, bringing the water system into compliance. From July 15, 2021 to August 25, 2022, when our OIC was operating without a license, we had a backup certified water operator with a current water operator license. Throughout this time period, we continued to collect required samples and all monitoring showed results below the health standards.

This violation **WAS NOT** an emergency and no action was required by water customers. A Public Notice was hand delivered to all water customers on September 23, 2022, as required by law.

## INFORMATION ABOUT LEAD

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Village of Saranac is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you have a lead service line it is recommended that you run your water for at least 5 minutes to flush water from both your home plumbing and the lead service line. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://water.epa.gov/drink/info/lead>.

Our water supply has 491 service lines, 292 of which have been inspected to date. Of the 292 service lines inspected, we have found ZERO lead service lines, leaving 199 service lines of unknown material.

## WATER QUALITY DATA OF 2022

(see definitions on page 4)

Substance Subject to AL	Range of Detections	Action Level	MCLG	90% of Samples <= This Level	Frequency Monitoring Period	# of Samples Above AL	Typical Source of Contaminant
Lead (ppb)	0 - 2 ppb	15	0	1	10/3 years 6/1/20-9/30/20	0	Lead service lines, corrosion of household plumbing including fittings and fixtures; Erosion of natural deposits
Copper (ppm)	0.0 - 0.2 ppm	1.3	1.3	0.1	10/3 years 6/1/20-9/30/20	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives

Substance	Violation	Level Detected	MCL	Frequency Monitoring Period	Typical Source of Contaminant
Fluoride (ppm)	No	0.118	4	1/3 years 1/1/20 - 9/30/20	Erosion of natural deposits; Additive which promotes strong teeth; Discharge from fertilizer & aluminum factories
Nitrate (ppm)	No	1.7	10	1/year 1/1/22 - 9/30/22	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Sodium (ppm)	No	7.4	Unregulated	1/3 years 1/1/20 - 9/30/20	Inorganic compound found in streams, bodies of water & ground water
Combined Radium (pCi/l)	No	<0.46	5	1/9 years 1/1/20 - 9/30/20	Erosion of natural deposits

## WATER QUALITY DATA TABLE KEY & DEFINITIONS

**AL** – Action Level: The amount of a substance when exceeded requires a treatment change or other response by a water system.

**ppb** – Parts per Billion: Your rich uncle passes away and leaves you \$10 million. However, in counting your inheritance, you discover that 1 cent is missing. That's 1 ppb.

**ppm** – Parts per Million: You win a one-million-dollar lottery. You give a friend one dollar. That's 1 ppm.

**MCLG** – Maximum Contaminant Level Goal: The level of a substance in drinking water below which there is no known or expected health risk. MCLGs allow for a margin of safety.

**MCL** – Maximum Contaminant Level: This is the highest level of a substance that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

**pCi/l** – Picocuries per liter (a measure of radioactivity)

Unregulated contaminants are those for which the Environmental Protection Agency has not established drinking water standards. Monitoring helps the EPA determine where these contaminants occur and whether it needs to regulate those contaminants.

In accordance with our Monitoring Schedule established by EGLE, we began testing your water annually in 2021 for any detections of the seven regulated per- and polyfluoroalkyl substances (PFAS). We are pleased to report that the sample results were all below the EPA Maximum Contaminant Level, and therefore met the Safe Drinking Water Criteria.

We are proud that your drinking water meets or exceeds Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected. The EPA has determined that your water **IS SAFE** at these levels.

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and dependable water supply we continue to make improvements that will benefit all our customers. These improvements are sometimes reflected as rate structure adjustments. Thank you for understanding. Our employees work around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future. Please contact me if you have any questions regarding the village water system or the testing of village water. You may reach me at 616.902.3944.



Tony Koster,  
Director of Public Works