# Appendix E – Hazardous Materials

# Phase I Environmental Site Assessment


## Obstruction Clearing Environmental Assessment

**St. Clair County International Airport (PHN)**
**177 Ash Drive**
**Smiths Creek, MI 48074**

Prepared for

**St. Clair County International Airport (PHN)**
**177 Ash Drive**
**Smiths Creek, MI 48074**

Prepared by

Mead & Hunt

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# Summary

Mead & Hunt, Inc. (Mead & Hunt) has completed a Phase I Environmental Site Assessment (ESA), according to American Society for Testing and Materials (ASTM) *E1527-21*, for the proposed obstruction clearing at the St. Clair County International Airport (PHN). This ESA was completed as part of an Environmental Assessment (EA), in compliance with the National Environmental Policy Act (NEPA).

Mead & Hunt services are authorized by the St. Clair County International Airport, the project sponsor, under Task Order #6.H to the Master Services Agreement.

This summary is intended as an overview of the Phase I ESA for the convenience of the reader. The complete report must be reviewed in its entirety prior to making decisions regarding the Airport property.

## A. Proposed Project Activities

St. Clair County International Airport (Airport or PHN) is a county-owned and operated general aviation airport that serves St. Clair County, Michigan, and the surrounding region (**Figure 1.0 Location Map**). Locally, PHN is three miles west of Marysville and five miles southwest of Port Huron. The airport is located approximately 54 miles northeast of Detroit in Kimball and St. Clair Townships, in the “thumb region” of Michigan. Interstate 94 (I-94) borders the airport on the east and south sides. Other

**Figure 1.0 Location Map**


Source: U.S. Environmental Protection Agency (USEPA) NEPAssist Tool, with labeling by Mead & Hunt, Inc. 2024

surrounding local roads are Pickford Road on the east side of the Airport, Gratiot Avenue on the south side, and Wadhams Road on the west side of the Airport. Smith's Creek Road borders the airfield on the north side with airport property extending to the north of this road.

Two paved runways support aircraft operations at PHN. Runway 4/22, the primary runway, is 5,104 feet long by 100 feet wide and oriented in a northeast-southwest direction. Runway 10/28 is the crosswind runway and is 4,000 feet long and 75 feet wide, oriented in an east-west direction. The Airport is approximately 1,135 acres in size and includes a general aviation terminal building, hangars, aprons, a fixed base operator (FBO), and a Snow Removal Equipment (SRE) building.

The Airport proposes to clear, grub, and grade land located off the ends of Runway 4/22. Depth of excavation is expected to be 2 to 3 feet. The proposed action is needed to remove existing and potential obstructions identified as penetrations to the Federal Aviation Regulation (FAR) Part 77 Imaginary Surfaces, Threshold Siting Surface (TSS), Precision Approach Path Indicator (PAPI) Light Signal Clearance Surface (LSCS) and Obstacle Clearance Surface (OCS), as well as the State of Michigan Licensing Surface.

A location map illustrating the two obstruction clearing locations on and adjacent to the Airport property (Site A and B collectively referred to within this report as "subject property") is included in **Appendix A**. Existing Airport facilities are depicted in **Appendix B**.

## B. Findings & Conclusions

Mead & Hunt has performed a Phase I ESA of the St. Clair County International Airport property located in Port Huron, Michigan, in conformance with our understanding of the scope and limitations of ASTM Practice *E1527-21*. Any exceptions to, or deletions from, this practice are described in Section 1.D of this report.

**This assessment has revealed one (1) recognized environmental condition, controlled recognized environmental condition, or significant data gap in connection with the subject property.**

**The following Findings are associated with the subject property:**

- **FINDING #1 – 177 Ash Dr - St. Clair County International Airport**
  - This Finding is associated with the Airport property.
  - Given there is no evidence of a release associated with this Finding, and its only listing is in the Facility Registry Service/Facility Index database, no additional investigations or construction special provisions are recommended.

- **FINDING #2/3 – 5740 Gratiot Avenue - Former Cleet's Car and Salvage**
  - This Finding is a former auto repair and salvage business and is shown to be on the subject property.
  - This Finding is listed in multiple agency databases. A Baseline Environmental Assessment (BEA) was conducted in 2005 and found evidence of multiple releases of hazardous substances at this Finding. Additionally, a Risk Conditions Classification

assessment was completed in 2023 and found the potential for exposure or threat to human health, safety, or welfare, or to the environment, or sensitive environmental receptors in the long term. The BEA indicates alternative approaches to continuing operations of the site for the purposes of distinguishing a past release from a new one. No records indicate mitigation has occurred.

- **This Finding is located on the subject property and is considered a REC given that there is evidence of a past release of various hazardous substances on the property.**
- Construction activities are expected to include tree clearing and stump removal at this Finding. Ground disturbing activities include stump grinding and are not expected to exceed more than 2 to 3-feet below ground surface.
- **Additional hazardous materials investigations (Phase 2) are recommended. However, given the context and scope of the proposed project, the use of special provisions and a change to the proposed action (e.g., no ground disturbance) may be considered in lieu of a full Phase 2.** See Finding page 17 for more details.

- **FINDING #4 – 5640 Gratiot Avenue - Welser Well Drilling**
  - This Finding is associated with a residential home and commercial business.
  - Two 1,000-gallon USTs were removed from the site in 1989.
  - No additional investigations or construction provisions are recommended.

# 1. Introduction

To enhance safety and utility of the Airport for current and future users, PHN proposes to eliminate obstructions (trees) located at sites A & B (referred to collectively as the "subject property") off the ends of Runway 4/22 (**See Appendix A**). The proposed project is needed to provide unobstructed approaches to Runway 4/22 to meet FAA and MDOT AERO design standards for clear and unobstructed airspace.

Specifically, the Airport cannot meet FAA safety standards outlined in FAA Order 5190.6B, *Airport Compliance Manual*, FAA Advisory Circular (AC) 150/5300-13B, *Airport Design*, and FAR Part 77, *Safe, Efficient Use, and Preservation of the Navigable Airspace*, due to trees that have grown over time to now become penetrations to the approach surfaces of Runway 4/22. These FAA standards establish runway design guidance for surfaces intended to protect the runway environment from objects that may interfere with aircraft operations. Airports have a responsibility to protect and maintain runway design surfaces so that objects do not become obstructions to aircraft operations.

## A. Purpose

The purpose of the Phase I ESA is to identify, pursuant to ASTM *E1527-21*, *recognized environmental conditions* (RECs) in connection with the subject property.

ASTM defines the term *recognized environmental condition* as the presence or likely presence of hazardous substances or petroleum products on the property under conditions that are indicative of an existing release, a past release, or a material threat of a release of hazardous substances or petroleum products into the structures on the property or into the ground, groundwater, or surface water of the site. The term does not include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of enforcement action if brought to the attention of appropriate governmental agencies.

## B. Detailed Scope of Services

This ESA was completed in accordance with ASTM International Standard *E1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, and U.S. Environmental Protection Agency (USEPA) All Appropriate Inquires (AAI) regulations under 40 CFR Part 312.

This report summarizes the results of Mead & Hunt's investigation of the proposed subject property, visual non-invasive reconnaissance of the subject property and adjoining properties, federal and state database reviews, and interviews, as applicable. Limitations, deviations, and significant gaps (if identified) are evident from reviewing the applicable scope of services and the report text. No other environmental issues will be assessed beyond the scope of ASTM *E1527-21* in connection with this ESA.

## C. Proposed Project Actions

The proposed scope of work includes the following proposed action associated with the subject property for obstruction clearing:

1. **Runway 4/22:** Under the proposed scope of work, current and future obstructions to the FAR Part 77 Imaginary Surfaces, TSS, PAPI LSCS and OCS, and State of Michigan Licensing Surface would be cleared off the ends of Runway 4/22. The obstructions would be removed in two phases. Approximately 37 acres of tree obstructions on 16 parcels of Airport property or property with existing avigation easements would be removed in Phase A. Approximately 54 acres of tree obstructions on 46 parcels of public or private property that require acquisition of new avigation easements would be removed in Phase B.

   Grubbing and grading activities under this alternative would occur only in upland areas. Once the trees are cut and the stumps are grubbed, the project area would be graded as needed to create a level surface, and replacement turf grass would be planted. On private property, replacement trees of a low growing variety would be planted if desired by the homeowner. In wetland areas, trees would be cleared, and stumps would remain with no ground disturbance.

A location map illustrating the two obstruction clearing locations (Site A & B) on and adjacent to the Airport property is included in **Appendix A**. The subject property is made up of each runway's action area, the trapezoidal area extending from the runway's end. The scope of this ESA examines the entire action areas, even though the land clearing areas are much smaller parts of the action area. While the ESA investigates the whole subject property, construction activities are limited to those described above and mapped in **Appendix C**. Existing Airport facilities are depicted in **Appendix B**. **Appendix C** illustrates areas of proposed project activities.

## D. Significant Assumptions

No significant assumptions were made.

## E. Data Gaps

One major data gap was identified. Records associated with Findings 2 & 3 (5740 Gratiot Avenue) did not include information on where hazardous substances were released, or in what quantity. However, database records indicate soil and groundwater contamination exists in several areas that were tested. Additionally, access was not gained for site reconnaissance.

## F. Limitations and Exceptions

This Phase I ESA was conducted using ASTM *E1527-21*. One (1) limitation was identified. Snow was present during site reconnaissance, so complete and unobstructed observations of the ground coverage was limited. The findings of this report are applicable, and representative of conditions encountered at the property on the date of this assessment and may not represent conditions at a later date.

The review of public records was limited to that information that was available to Mead & Hunt at the time this report was prepared. Interviews with local and state government authorities were limited to those people that Mead & Hunt was able to contact during the preparation of this report. Information was

derived from *reasonably ascertainable* and *practically reviewable* sources in compliance with Mead & Hunt's understanding of the standards set forth by ASTM *E1527-21*.

This Phase I ESA includes a deviation from ASTM *E1527-21* as the project associated with this ESA does not include any real estate acquisition.

## G. Special Terms and Conditions

This Phase I ESA was conducted in accordance with Task Order #6.H to the Master Services Agreement for the St. Clair County International Airport, dated August 25, 2022.

## H. User Reliance

The resulting report is provided for the sole use of the Airport and its assignees. Use of this report by any third parties will be at such party's sole risk except when granted under written permission by Mead & Hunt. Any such authorized use or reliance by third parties will be subject to the same work authorization under which the work was conducted for the Airport.

Additional party's use and reliance on the report will be subject to the same rights, obligations, and limitations imposed on the St. Clair County International Airport by our Work Authorization. However, the total liability of Mead & Hunt to all parties of the Phase I ESA shall be limited to the remedies and amounts as provided in the Work Authorization as a single contract. The additional party's use and reliance on the report shall signify the additional party's agreement to be bound by the proposal and contract that make up the Work Authorization between Mead & Hunt and St. Clair County.

The dates of completion for pertinent components are as follows:

| **Component** | **Date of Completion** |
|---|---|
| Site Reconnaissance | February 3, 2025 |
| Environmental Database Search | December 20, 2024 |

# 2. Physical Setting

This section summarizes the physical environment in which the Airport operates that may be useful in determining potential RECs or the potential hazard posed by identified RECs.

## A. Location

The St. Clair County International Airport is a general aviation airport that serves St. Clair County and the surrounding area in Michigan's "thumb region", in northeast Michigan. Locally, PHN is five miles southwest of Port Huron and three miles west of Marysville.

The subject property for this Phase I ESA consists of a roughly barbell shaped area in the center of the Airport property (See **Appendix A**). Each end of the barbell encapsulates one of the two proposed obstruction clearing areas associated with each runway (A & B).

## B. Current Ownership and Use of the Property

The Airport is owned by St. Clair County. The airport provides a safe operating environment for corporate, cargo, medivac/lifeline, and private aircraft. The airport is equipped with Pilot Controlled Lighting, Automated Weather Observation System, and an Instrument Landing System. United States Customs and Border Protection and the Department of Agriculture area available for customs and international flights.

## C. Vicinity Description

The Airport is situated generally west of I-94 and south of Smith's Creek Road. Two paved runways support aircraft operations at PHN. The land around the runways is mowed grasslands.

The land use around the Airport varies. Land uses in the area include agriculture, wooded areas, and rural-residential parcels.

## D. Descriptions of Roads, Structures, and Other Improvements on the Site

Major facilities at the Airport include runways, taxiways, a GA terminal building, aprons, hangars, a fixed base operator (FBO), a fuel farm, a Snow Removal Equipment (SRE) building, and navigational aids (NAVAIDs). PHN is equipped with two asphalt runways. The primary runway, Runway 4/22, is 5,104 feet long, 100 feet wide, and oriented in a northeast-southwest direction. Runway 10/28 is the crosswind runway and is 4,000 feet long, 75 feet wide, and oriented in a generally east-west direction. See **Appendix B.**

According to the FAA Terminal Area Forecast (TAF) released in January 2024, the Airport had the following activity levels in 2022:

- 27,839 total operations
- 20,237 itinerant operations
- 7,102 local operations
- 58 based aircraft

## E. Topography

The airport is generally flat with almost no elevation change at approximately 643 feet above sea level. Slight elevation changes are present within the subject property. See **Appendix D** for a detailed topographic map.

## F. Hydrogeology and Geology

Wetlands mapped on the National Wetland Inventory (NWI) relevant to the two project areas primarily consist of forested or emergent classes. Seasonally flooded forested wetlands (PFO1C) predominate to the west of the airfield while several temporary flooded forested wetlands (PFO1A) are mapped at the northern extent of the Runway 4/22 and on the south side of the Runway 4/22. A large seasonally flooded scrub-shrub/phragmites-dominated emergent wetland (PSS1/EM5C) is located within the Runway 4/22 AOI on airport property outside of the perimeter fence. Within regularly maintained airfield areas in the project AOI, multiple seasonally flooded emergent (PEM1C) and phragmites-dominated seasonally flooded emergent (PEM5C) wetlands are mapped in the undulating topography.

The AOI spans three watersheds: Pine River (HUC12: 040900010306), Holland Drain-Pine River (HUC12: 040900010304), and Bunce Creek-Frontal Saint Clair River (HUC12: 040900010307). The Airport is located between the Pine River on the west and the Saint Clair River on the east. The Airport is situated about 1.5 miles east of the Pine River. The Pine River flows south, eventually reaching the Saint Clair River about 6.5 miles south of the Airport in the City of St. Clair. Locally, two drains empty to the Pine River just outside of the AOI: the Moak Drain which flows in a southerly direction just south of airport property and the London Drain which flows just outside of the west side of the Airport. Numerous ditches drain the southern half of the airfield to the Moak Drain.

The project area is underlain by Berea Sandstone, Bedford Shale, and Sunbury Shale. Groundwater flow cannot be determined from readily available sources. However, it can be assumed that groundwater flow generally follows similar patterns as surface water flow.

## G. Soils Data

The subject property is covered predominantly by Allendale-Hoytville complex, 0-6 percent slopes. This soil is poorly-to-very poorly drained and has high runoff potential when wet. Information on other soils present on the subject property can be found in the database reports. Soil mapping is presented in **Appendix E.**

# 3. Site Reconnaissance

Environmental Professionals with Mead & Hunt conducted site reconnaissance in February 2025 to observe the current uses of the site, adjoining properties, and properties in the surrounding area, as well as the hydraulic and topographic conditions of the site and the surrounding area. Photographs were taken of various portions of the subject site to document existing conditions. See **Appendix F** for subject property photographs.

## A. Methodology and Limiting Conditions

The area was observed by driving the perimeter to provide an overlapping field of view where accessible.

A vehicular tour of the area was made to confirm the nearby land use. The tour involved viewing nearby properties from publicly accessible roadways. Observation was limited to areas visible in the line of sight from the subject property or public roadways. Mead & Hunt did not enter private properties.

Observations were conducted on a cloudy day with light fog and mist. Fresh snow covered the ground.

## B. Perimeter Observations

The dominant land uses surrounding the subject property are dense forest lands and open grasslands. The northern end of the subject property is surrounded by forest lands, grasslands and roadway. A few small residential homes border the subject property. The southern section of the subject property is surrounded by forest lands and residential single-family homes. Due to prohibited access to surrounding private properties, observations were made from the public right-of-way. No evidence of underground storage tanks, stained soils, stressed vegetation, landfilling, or foul odors were noted in perimeter observations. However, several inches of snow obstructed the observations.

## C. On-Site Observations

***Northern Section***

The area within the northern section of the subject property is a mix of grassland, forest, and residential properties. Infrastructure in this area appears to be in good condition. Residential properties appear to be free of clutter and debris. No evidence of stained soils, stressed vegetation, landfilling, or foul odors were noted during observations of the northern section.

***South Section***

The area within the south section of the subject property is a mix of grassland, forest, and residential and commercial properties. Infrastructure in this area appears to be in good condition. Most residential properties appear to be free of clutter and debris. One property (Findings 2/3) appeared to be cluttered with recreational vehicles, tires, and undetermined machinery. No evidence of stained soils, stressed vegetation, landfilling, or foul odors were noted during observations of the southeast section.

# 4. Records Review

## A. Historical Use Development of the Airport and Periphery

The St. Clair County Chamber of Commerce endorsed a plan to create a new airport in St. Clair County in 1943 at the site of a small existing air strip called Weeks Field. It is unclear how long Weeks Field had been in existence prior to its acquisition by the County, but it does appear on a 1928 U.S. Geological Survey map.

In 1944, the St. Clair County Board of Supervisors purchased 785 acres of land for a new airport to serve the County and presented a conceptual plan for the Airport. The actual construction of an improved airport facility was purposefully delayed until after the conclusion of World War II, so as not to tie up needed labor and funds for the war effort. However, the existing dirt airfield was repaired and maintained, with the local Civil Air Patrol using a building on site.

After the war, two local men rented the airfield for use as a flying school. The field had three small runways with two hangars and the old Civil Air Patrol building. By 1946, plans were finalized for several airport improvements, including extending and improving the runways and constructing a new administration building and hangars. Construction of the new runways began in 1949 and was completed by 1950; the administration building was finished in 1951. The U.S. Department of the Treasury designated the Airport as an international airport in 1954.

The Airport later provided commercial service via North Central Airlines to Detroit and Sandusky, Ohio for several years. Although outbound commercial flights have since been halted, the Airport still possesses the infrastructure to accommodate smaller commercial inbound flights. Today, the Airport primarily serves general aviation (GA) traffic including flight training, charter flights, and corporate operations.

In 1977, an 80-acre Michigan Certified Business Air Industrial Park was constructed adjacent to the Airport, bringing new aviation-related and non-aviation related businesses to the region. Later in 1994, an Instrument Landing System (ILS) was installed for Runway 4/22, which enabled more charter and corporate flights to use the Airport. It also solidified the Airport and surrounding region as places to do business.

As the Airport has grown over the years, continual improvements have been made to the runways and taxiways. These improvements have allowed the Airport to continue to serve as an economic engine for the surrounding region.

### (1) Aerial Photographs

Aerial photography taken between 1938 and 2023 was reviewed to observe previous conditions and development of the property, as well as immediately adjacent properties. Images are included in **Appendix G**.

The earliest aerial image is from 1938 and shows that the Airport is yet to be constructed. The AOI spans primarily spans agricultural fields with some forested areas. The present-day Smiths Creek Road and Gratiot Avenue are visible to the north and south of the airport property. Several smaller farm access roads are visible intersecting the AOI.

In 1951, the Airport is constructed on configuration similar to the present day. Shorter versions of both runways are visible on similar alignments. Many of the agricultural fields surrounding the airport property appear to have returned to forest. Early residential development is visible along Gratiot Avenue to the south.

The 1956 aerial has poor legibility; however, additional residential development is visible to the south and east of the AOI. No significant development appears to have occurred.

In 1964 the crosswind runway (10/28) appears to have been expanded to the east and tree clearing is evident at the ends of both runways. The airport facility appears to have been expanded.

The 1967 aerial shows no significant development to the airport. A tank farm is visible to the southeast of the property.

In 1973, runway 4/22 has been expanded to the south and is approximately the same length as the present-day runway. A taxiway has been constructed along the length of the runway. Additional residential development is visible along the south and east of the airport property. Residential development is also visible in some areas long Smiths Creed Road to the north.

The 1983 aerial shows the development of the road commission facility south of the airport facility off of Gratiot Avenue. The roadway infrastructure for the Ace Air Industrial Park is also visible although no facilities are yet constructed.

The 1993 aerial shows additional airport support infrastructure south of the 4/22 runway. The 10/28 runway has been expanded to its current length and an adjoining taxiway completed. Industrial Park facilities are visible, and the tank farm has expanded. Significant residential development is now visible along Pickford Road although Smiths Creek Road remails largely undeveloped.

The 2012 aerial shows new retention ponds located to the northwest of runway 4/22. Otherwise, aside from additional development within the airport industrial park, the 1999-2023 aerials show no significant changes or development.

### (2) Land Use

In general, the surrounding land uses are compatible with the Airport. Historical and existing land use is primarily agricultural and residential. Little to no other types of land use development (e.g., industrial) have been observed around the immediate vicinity of the airport.

## B. Standard Environmental Record Sources

Previously reported hazardous materials sites were identified based on a review of federal and state agency records and online databases for potential hazardous materials contamination sites in accordance with ASTM standards. The following databases were searched:

- Michigan Department of Environment, Great Lakes, and Energy (EGLE)
    - Waste Data System (WDS)
        - Waste Data System (state.mi.us)
    - Environmental Mapper
        - Environmental Mapper (state.mi.us)
    - Remediation Information Data Exchange
        - Remediation Information and Data Exchange (state.mi.us)
- Envirofacts, U.S. Environmental Protection Agency
    - Multisystem Search | Envirofacts | US EPA

Federal and state regulatory database searches returned 37 records associated with parcels located on or within one-quarter mile (0.25 miles) of the Airport. Records for sites within one-quarter mile include registered ASTs and USTs, and hazardous waste generators. While records were searched at a quarter-mile radius, only sites within 0.125-miles were determined to be of concern to the proposed obstruction clearing project and thus, further examination. A third-party ERIS Database Search Report is included in **Appendix H**.

# 5. Interviews

## A. Interview with Owner

A User Questionnaire was provided to the Airport maintenance manager but was not returned.

An independent interview was not conducted the with the Airport maintenance manager due to the lack of Findings associated with the airport's existing property adjacent to the proposed project activities.

## B. Interview with Occupants

No interviews were conducted with the airport occupants as no record results were determined to warrant additional information from occupants.

## C. Interview with Local Government Officials

No individual local government officials were interviewed as no record results were determined to warrant additional information from local officials.

## D. Interviews with Others

Attempts to contact the owner of 5740 Gratiot Avenue (Finding 2 & 3) were made. They could not be reached. No additional interviews were conducted.

# 6. Evaluation

## A. Pertinent Definitions

**Recognized environmental condition (REC)**

The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment; 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment.

**Controlled recognized environmental condition (CREC)**

A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

**Historical recognized environmental condition (HREC)**

A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

**De minimis condition (DEM)**

A condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not recognized environmental conditions nor controlled recognized environmental conditions.

**Business environmental risk (BER)**

A risk which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in *ASTM Practice E1527-21*. The likely presence of historic coal chutes is an example of a business environmental risk.

## B. Findings

Findings are listed below. Multiple records may exist for one Finding or location. However, each site was evaluated individually. A corresponding map of Findings illustrating their location to the proposed subject property is included in **Appendix I**.

The ERIS Database Report identifies 29 sites with records associated with them on and within 1 mile of the subject property. This Phase 1 Environmental Site Assessment only investigates those records that are located on the subject property or within 660 feet (0.125 miles) of the subject property, a distance determined by the Environmental Professional to have a potential effect on the proposed project activities. This includes those records identified in the ERIS Database Report numbers 1 through 4.

**FINDING #1**
**177 Ash Dr, Smiths Creek, MI 48074**
**St. Clair County International Airport**

According to the ERIS report, this Finding is listed in the FINDS/FRS database which contains records from the Facility Registry Service/Facility Index. This database, provided by the EPA, identifies sites that are subject to environmental regulations or of environmental interest. This finding is located on the subject property. This Finding is in use as the St. Clair County International Airport.

Site reconnaissance showed the Airport property to be free of clutter and debris. No evidence of stained soils, stressed vegetation, landfilling, or foul odors were noted during observations

*Summary*
This Finding includes records associated with the general airport address. However, specific locations of potentially hazardous materials concerns associated with database records could not be determined given the lack of supporting information available. Obstruction removal activities are located in areas generally off the physical airport property. There is not expected to be interaction between this Finding and obstruction removal activities. **Therefore, no additional hazardous materials investigations or special provisions are recommended.**

**FINDING #2 & FINDING #3**
**5740 Gratiot Avenue, Saint Clair, MI 48709**
**Former Cleet's Car and Salvage**

This Finding is located on the subject property and is in use as a private residence. This site was formerly an auto garage and salvage yard. This site is located on the subject property. This Finding is identified in the ERIS Database Report in the following databases:

*WASTE*
This Finding is identified in the ERIS Database Report in the WASTE database. This database contains records from the Waste Data System which tracks activities regulated by the Solid Waste, Scrap Tire, Hazardous Waste and Liquid Industrial Waste programs. No further information was provided.

*SPILL*

This database contains records from the Pollution Emergency Alerting list maintained by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This listing tracks environmental damages/pollution. This Finding identifies a spill in July of 2021. An unknown quantity of diesel fuel, vehicle liquids and components were released. No further information is available regarding containment methods, spill location or physical characteristics of the area the spill occurred.

*BEA*
This database contains records from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). A Michigan Baseline Environmental Assessment (BEA) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

*SHWS*
A Part 201 Facility is an area, place, or property where a hazardous substance in excess of the concentrations that satisfy the cleanup criteria for unrestricted residential use has been released, deposited, disposed of, or otherwise comes to be located. This list is maintained by the Remediation and Redevelopment Division in Michigan Department of Environment, Great Lakes, and Energy (EGLE). This database serves a purpose similar to that of the federal Superfund Enterprise Management System (SEMS), functioning as a state-level counterpart for tracking potential hazardous substance release sites.

This parcel is long and skinny and there was limited visibility from the public right-of-way. Site reconnaissance showed the property to be cluttered with solid waste (junk). Various recreational campers, tires and scrap metal and wood were observed on the property. No tanks or drums were observed. No evidence of stained soils, stressed vegetation, landfilling, or foul odors were noted during observations, however as stated, the ground was snow covered, and observations were made from the public right-of-way. This finding was not accessed. Aerial imagery showed various areas of debris.

A Baseline Environmental Assessment was completed in 2005 for this site. The BEA found extensive debris including cars, trucks, tires, storage tanks, oil drums, and other scrap throughout the property. Records show this property was operated as a junk yard since the 1980s. Per the BEA, an estimation of approximately eight (8) 250-gallon above ground storage tanks and approximately 100 automotive fuel tanks were observed across the property. Basic maps included in the BEA offer an idea of where sources of potential releases were located on the property. Additionally, soil sampling was done in key locations near areas of observed hazardous substances. Soil samples found an array of hazardous substances, most with concentrations of beyond the threshold that require mitigation. The BEA concluded that based on observations and soil sampling, hazardous substance releases had occurred.

Furthermore, a RIDE risk conditions classification form is included in the EGLE database for this Finding from March 2023. The classification form indicates the following:

- RIDE Risk Category: Risks Present and Require Action in the Long-term
    - “Based on the site CSM and migration of contaminants, **there is a potential for exposure or threat** to human health, safety, or welfare, or to the environment, or sensitive environmental receptors in the long-term. For the purpose of classification, potential exposures or threats considered to be long-term generally are **greater than 2 years**.”
- **Direct Contact: Risks Present and Require Action in the Short-term**

  - **"soil contamination at ≤ 3 feet below ground surface that could typically be encountered by the public or by landscaping activities exceeds the direct contact criteria."**
- Ground-water-Surface Water Interface (GSI)
  - "The groundwater contaminant plume exceeds GSI criteria, and the leading edge of the contaminated groundwater plume is located more than two years groundwater travel time from a surface water body, or the plume is entering a storm sewer and the contamination will reach the outfall of the storm sewer in more than two years."

*Summary*
**This Finding is located on the subject property and is considered a REC given that there is evidence of a past release of various hazardous substances on the property.** No records exist to determine the amount, specific location, or remedial actions. However, the ERIS reported spill record indicates the spill occurred in 2021.

Construction activities are expected to include tree clearing and stump removal at this Finding. Ground disturbing activities include stump grinding and are not expected to exceed more than 2 to 3-feet below ground surface. While the BEA report chronicles the contamination from 2005 (20 years ago), the SPILL report from 2021 and the RIDE risk conditions classification form from 2023 indicates present risks to public health from soil contamination at unknown locations less than 3 feet below ground surface that could be encountered by landscaping activities.

**Therefore, additional hazardous materials investigations (Phase 2) are recommended. Given the context and scope of the proposed project, the use of special provisions and a change to the proposed action (e.g., no ground disturbance) may be considered in lieu of a full Phase 2.**

*Sample special provision language:*
**Notice to Contractor – Contaminated Soil Locations**

It is presumed that due to the previous known release of hazardous substances, contaminated soil exists within the proposed action area. Contaminated soils are likely present at the following site:

1. 5740 Gratiot Avenue, St. Clair, MI 48079. Tax Parcel ID #: 74-30-003-3006-000

The contaminated soil at the above site is expected to be within the excavation limits necessary to complete the work under this project. Control construction operations at this location to restrict any ground disturbance, including the use of heavy machinery. Construction work must be limited to dry conditions only to prevent the unintended ground disturbance that is likely in wet conditions. If contaminated soils are encountered at this site or elsewhere on the project during excavation, terminate excavation in the area and notify the engineer.

A change to the proposed action may be warranted in lieu of a full Phase 2. This includes altering proposed action of clearing and grubbing to just aboveground removal of obstruction (tree). Specifically, within the area of contamination, obstructions (trees) should be felled at 6-inches to one-foot above ground without ground disturbance. Resulting stumps should be left undisturbed by the contractor.

**FINDING #4**
**5640 Gratiot**
**Welser Well Drilling**

This Finding is currently in use as a residential home and commercial business. This finding is 146 ft southwest of the subject property.

*UST*
This Finding is identified on the EGLE underground storage tank database. Per the ERIS database report, this site formerly had two (2) underground storage tanks. Tank 1 was a 1,000-gallon galvanized steel tank containing gasoline. It operated from 1981 until it was removed from the ground in December 1989. Tank 2 was a 1,000-gallon galvanized steel tank containing gasoline. It operated from 1979 until it was removed from the ground in December 1989. The EGLE Remediation Information Data Exchange Part 211 indicates the site and USTs having a risk condition of No Known Risks.

Site reconnaissance showed the site to be free of clutter and debris. No evidence of stained soils, stressed vegetation, landfilling, or foul odors were noted during observations

*Summary*
This Finding is southwest of the subject property. No potentially hazardous materials were associated with, nor discovered at this Finding. No obstruction removal activities are expected near this Finding. **Therefore, no additional hazardous materials investigations or special provisions are recommended.**

# 7. Conclusions

Mead & Hunt has performed a Phase I ESA of the St. Clair County International Airport property located in Smiths Creek, Michigan, in conformance with our understanding of the scope and limitations of ASTM Practice *E1527-21*. Any exceptions to, or deletions from, this practice are described in Section 1.F of this report.

**This assessment has revealed one (1) recognized environmental conditions, controlled recognized environmental conditions, or significant data gaps in connection with the subject property.**

# 8. Statement of Environmental Professional

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

Signed,

Michael C. Lewis

Michael Lewis, AICP

Mark S. Sauer, AICP

Mead&Hunt

# Michael Lewis, AICP

URBAN PLANNER

**Areas of Expertise**
- GIS
- Comprehensive Plans
- Data management

**Education**
- Master, Urban Planning, University of Wisconsin – Milwaukee, 2021
- BS, Environmental Geography, University of Wisconsin – Eau Claire, 2019

**Registration/Certifications**
- American Institute of Certified Planners (AICP)

**Memberships**
- American Planning Association (APA)

**LinkedIn URL**
- www.linkedin.com/in/michael-lewis-1a4a71160

Michael is an urban planner with hands-on experience at Public Works and Metropolitan Sewerage agencies. He has six years of experience with Geographical Information Systems (GIS) using ERSI and online programs, including ArcMap, ArcGIS Online, and QGIS. Additionally, he has four years of experience with long-range planning documents such as Comprehensive Plans, zoning codes, ordinances, and permits. He has served in public-facing roles, including handling public feedback and educating homeowners on topics surrounding green infrastructure. He is also experienced with data analysis, pedestrian and bicycle planning, and land use planning.

**Phase 1 Environmental Site Assessment Experience**

Michael has completed Phase 1 Environmental Site Assessments for the following projects:

*Aviation*

- Augusta Regional Airport (AGS) Obstruction Removal, Augusta, GA
- Casselton Robert Miller Regional Airport Runway Relocation & Extension, Casselton, ND
- Stanely Municipal Airport Turf Crosswind Runway 2/20 Construction, Stanley, ND
- Roben-Hood Municipal Airport (RQB) Runway 9/27 Extension and Obstruction Clearing, Big Rapids, MI
- Gary-Chicago International Airport (GYY) Air Traffic Control Siting Study, Gary, IN

*Transportation*

WisDOT NW Region

- Kington Road Bridge Replacement, Nelson Creek, Clark County, WI.
- Lien Lane Bridge Replacement, North Fork Beaver Creek, Trempealeau County, WI

WisDOT NC Region

- County U Reconstruction, Bangor to Rockland, La Crosse County, WI.
- 6th Street Reconstruction, Cass Street to State Street, La Crosse County, WI

**Other Planning and Environmental Experience**

*NEPA*

WisDOT NE Region

- IH-43 Resurfacing, Green Bay to Manitowoc, Brown County, WI

Date Rev.: 6/21/2024 Page 1

Mead&Hunt

# Mark Sauer, AICP

SENIOR ENVIRONMENTAL PLANNER

### Areas of Expertise

- Comprehensive Smart Growth planning
- Park planning and design
- Land and site planning
- Urban design
- Land division and zoning change procedures
- Zoning code and policy analysis
- Presentation graphics
- Public involvement/charettes
- NEPA documentation
- Environmental Permitting
- Transportation corridor studies
- Grant applications
- Phase 1 Environmental Site Assessments
- Section 4(f)

### Education

- Master of Urban Planning, University of Wisconsin – Milwaukee (2011)
- Bachelor of Urban Planning, University of Cincinnati (2008)

### Registration

- American Institute of Certified Planners (AICP) (2015)

### Training

- Phase I & Phase II Environmental Site Assessment Processes, ASTM International (2017)

Mark Sauer has worked in diverse professional workplaces designing and leading projects in the A&E industry both domestically and internationally for over twelve (12) years. He has expertise in comprehensive and sub-area planning, site design, urban and rural transportation studies, land division and zoning procedures, public involvement, and presentation visualizations. He has prepared numerous environmental documents including Catex's, Environmental Reports and Assessments, and Indirect and Cumulative Effects Analyses. He has specialized training in Section 4(f) and Phase 1 Environmental Site Assessments. Mark has completed Phase 1 Environmental Site Assessments for the following projects:

**Land Development**

- Chr. Hansen Land Acquisition, Wausau, WI (18 acres)
- Oakwood Village University Woods Campus, Madison, WI (35 acres)
- Oakwood Village Prairie Ridge Campus, Madison, WI (18 acres)
- Historic Iowa State Penitentiary, Land Release, Fort Madison, IA (55 acres)
- Parcel SC-194, Residential Development, Town of Scott, Brown County, WI (40 acres)
- Salm Partners, LLC, Commercial Development, Village of Denmark, Brown County, WI (26 acres)

**Aviation**

- Gary-Chicago International Airport (GYY), Air Traffic Control Tower Siting, Gary, IN
- Augusta Regional Airport, Obstruction Removal, Augusta, GA (53 acres)
- State College Regional Airport (UNV), Passenger Boarding Bridges Terminal Improvements, State College, PA
- Stanley Municipal Airport, Turf Crosswind Runway 3/21 Construction, Stanley, ND
- Casselton Robert Miller Regional Airport Runway Relocation & Extension, Casselton, ND (150 acres)
- Roben-Hood Airport, Runway 9/27 Extension and Obstruction Clearing, Big Rapids, MI (65 acres)
- 21D, Lake Elmo Airport, Runway 14/32 Relocation and Associated Improvements, Washington County, MN (142 acres)
- AGS, Augusta Regional Airport, Aviation Improvements, Richmond County, GA
- BIV, West Michigan Regional Airport, Land Release, City of Holland, Ottawa and Allegan County, MI (32 acres)
- BTL, W.K. Kellogg Airport, Mass Grading, City of Battle Creek, Calhoun County, MI (120 acres)
- CMX, Houghton County Memorial Airport, Runway 25 Obstructions Clearing, Houghton, MI (20 acres)
- OCQ, J. Douglas Bake Municipal Airport, Land Acquisition, Oconto County, WI (140 acres)
- OGM, Ontonagon County Airport Schuster Field, Runway 17 Obstructions Clearing, Ontonagon County, MI (4 acres)
- MSN, Dane County Regional Airport, East Side Hangar Development, City of Madison, Dane County, WI (50 acres)

**Transportation**

*WisDOT NC Region*

- County K Bridge Replacement, Wisconsin River, Vilas County, WI
- County GG Bridge Replacement, Cranberry Creek, Wood County, WI
- County J Bridge Replacement, Little Wolf River, Waupaca County, WI

*WisDOT NE Region*

- WIS 32 Resurfacing, Main Avenue & Reid Street, City of De Pere, Brown County
- Rest Areas 51 (Maribel) and 52 (Denmark) Reconstruction, I-43, Manitowoc County, WI
- Lawrence Drive Reconstruction, Fortune Avenue – Scheuring Road, City of De Pere, WI
- I-43 Resurfacing, WIS 172 – Atkinson Dr., Brown County, WI
- North Union Road Bridge Replacement, Branch River, Manitowoc County, WI
- Old Hwy 47 Bridge Replacement, Toad Creek, Outagamie County, WI
- Maloney Road Bridge Replacement, Branch Apple Creek, Outagamie County, WI
- WIS 57 Resurfacing, WIS 42 – Summit Road, Door County, WI
- County BB Bridge Replacement, Little River, Marinette County, WI
- South Union Road Bridge Replacement, Point Creek, Manitowoc County, WI
- WIS 67 Resurfacing/ Reconstruction, West County Line – East County Line, Fond du Lac County, WI

*WisDOT NW Region*

- County A Reconstruction, Village of Stetsonville, Taylor County, WI
- Joe Coulee & Hagestad Road Bridge Replacements, North Fork Beaver Creek, Trempealeau County, WI
- County O Reconstruction, Gibson St. – WIS 13, Taylor County, WI
- I-94 Bridge Replacements, Rush River, St. Croix County, WI
- WIS 88 Reconstruction, County U – WIS 37, Buffalo County, WI
- Owen Avenue Bridge Replacement, Rock Creek, Clark County, WI
- WIS 29 Rehabilitation, Koser Avenue to County D, Clark County, WI

*WisDOT SE Region*

- North Avenue Reconstruction, Met-to-Wee Lane to 73rd Street, City of Wauwatosa
- 16th Street Bridge Rehabilitation, City of Milwaukee

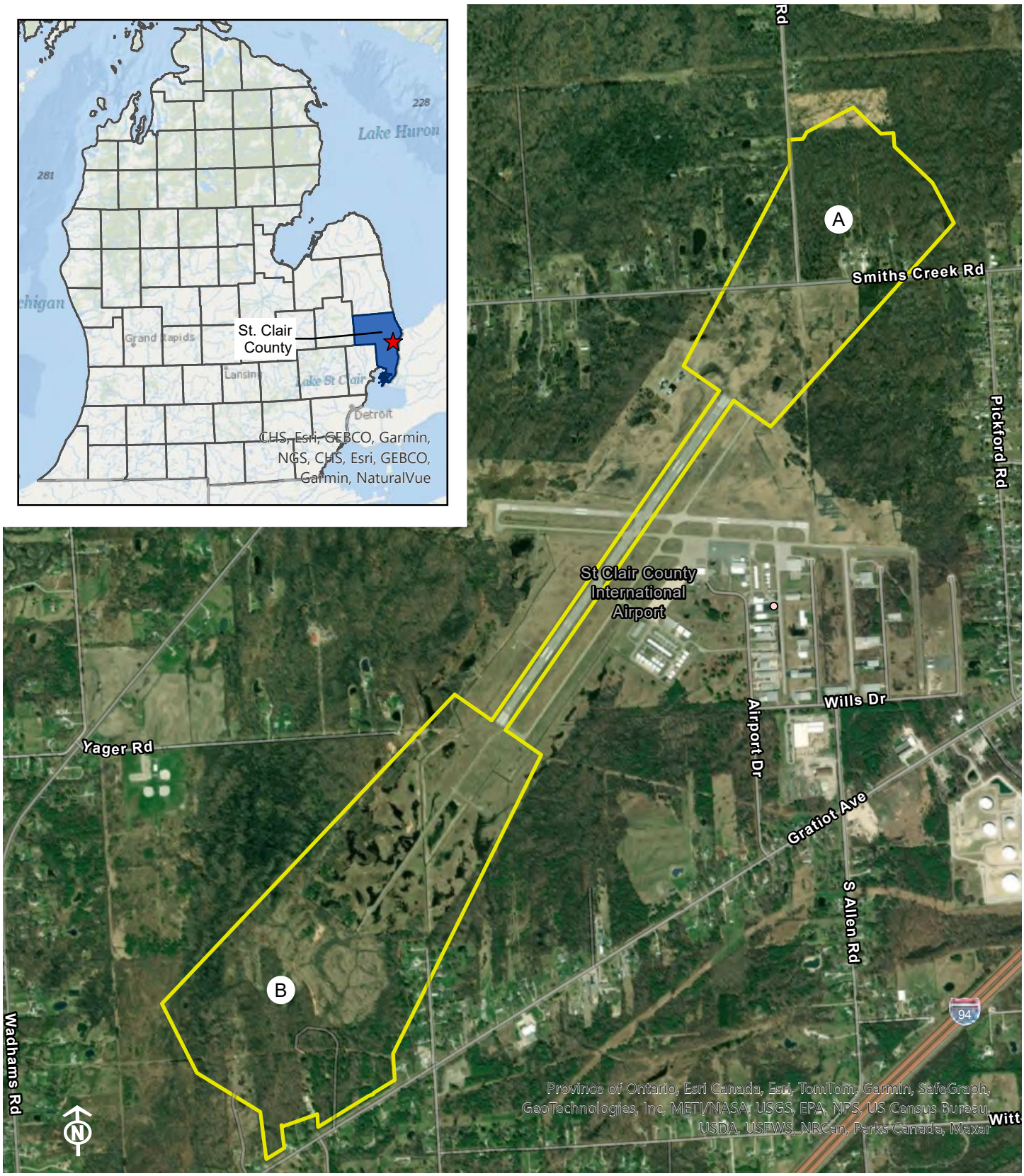
*WisDOT SW Region*

- WIS 95 Resurfacing, Main Street. County A to 250' West of WIS 93, City of Arcadia, Trempealeau County
- WIS 16 Reconstruction, Wisconsin Dells – Portage, Columbia Co., WI
- WIS 16/60 Urban Reconstruction, US 151 – River Road, Columbia County, WI
- WIS 16 Intersection Improvements, La Crosse & Onalaska County, WI
- WIS 173 Reconstruction, WIS 21 – County Line, Monroe & Juneau County, WI
- WIS 162 Resurfacing & Bridge Replacements, Coon Valley – Bangor, Vernon & La Crosse County, WI
- WIS 162 Resurfacing & Bridge Replacements, Village Park Drive to Depot Street, Vernon County, WI
- WIS 16 Pavement Replacement, County L / Business 26 to E. Main Street, Dodge & Jefferson County, WI
- WIS 19 Pavement Replacement, Crawford River Bridge to Gypsy Road, Dodge & Jefferson County, WI

West Virginia

- Dunbar Toll Bridge Replacement, Kanawha County, WV

# Appendix A. Project Location Map




## PROJECT LOCATION MAP

St. Clair County International Airport
Runway 4/22 Obstruction Clearing
Environmental Assessment

★ St. Clair County International Airport

0 0.13 0.25 0.5 0.75 1 Miles

## Appendix B. Airport Structures Location Map

# EXISTING AIRFIELD CONFIGURATION

SCALE: 1"=950'

AIRPORT PROPERTY BOUNDARY

AIRPORT PROPERTY BOUNDARY

AIRPORT PROPERTY BOUNDARY

AIRPORT PROPERTY BOUNDARY

AIRPORT PROPERTY BOUNDARY

YAGER RD

SMITHS CREEK RD

N. ALLEN RD

S. BARTLETT RD

GRATIOT RD

S. AIRPORT DR

S. ALLEN RD

PICKFORD RD

WILLS DR

KELLS RD

GAFFIELD DR

ASH DR

RUNWAY 10/28 - 4000' X 75'

RUNWAY 4/22 - 5104' X 100'

TWY 'C'

TWY 'D'

TWY 'B'

TWY 'B'

TWY 'L'

TWY 'F'

TWY 'A'

TWY 'J'

TWY 'K'

TWY 'P'

G.A. APRON

FBO

NORTH APRON

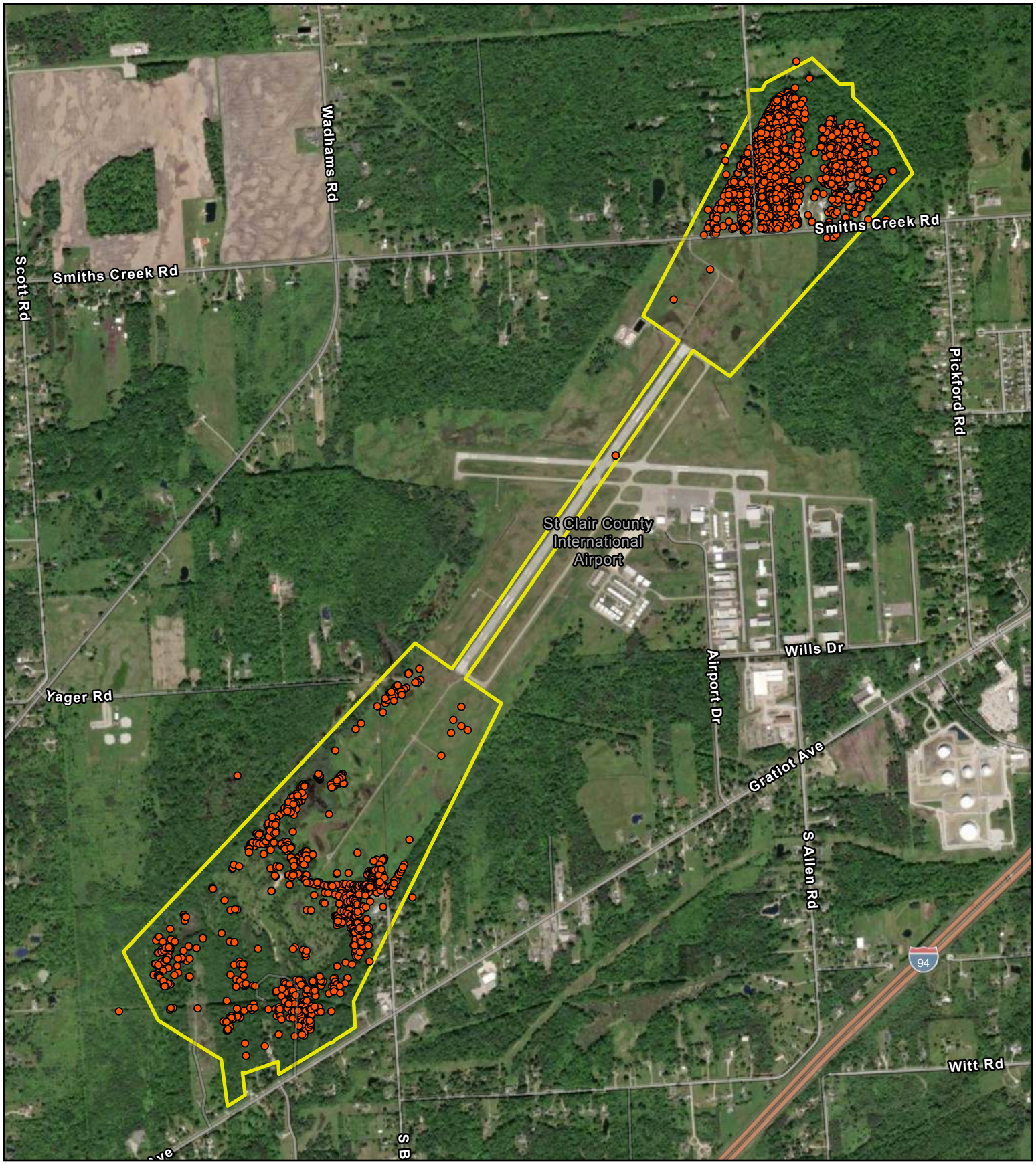
SRE BUILDING

SOUTH APRON

GENERAL AVIATION TERMINAL BUILDING

AIR INDUSTRIAL PARK

## Appendix C. Area of Proposed Project Activities




## AREA OF PROPOSED PROJECT ACTIVITIES

St. Clair County International Airport
Runway 4/22 Obstruction Clearing
Environmental Assessment

0 0.13 0.25 0.5 0.75 1
Miles

Obstructions to be Removed

Area of Proposed Project Activities

## Appendix D. Topography Map

# TOPOGRAPHIC MAPS

| | |
|---|---|
| **Project Property:** | St. Clair County International Airport (PHN) Obstruction Clearing<br>St. Clair County International Airport (PHN)<br>Smiths Creek MI None |
| **Project No:** | R1937800-210771.01 Ph 09 |
| **Requested By:** | Mead & Hunt, Inc. |
| **Order No:** | 24121900277 |
| **Date Completed:** | December 19, 2024 |

**Environmental Risk Information Services**
*A division of Glacier Media Inc.*
1.866.517.5204 | info@erisinfo.com | erisinfo.com

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

| Year | Map Series |
|---|---|
| 2019 | 7.5 |
| 2017 | 7.5 |
| 2014 | 7.5 |
| 1991 | 7.5 |
| 1973 | 7.5 |
| 1968 | 7.5 |
| 1952 | 7.5 |
| 1939 | 7.5 |
| 1928 | 15 |

**Topographic Map Symbology for the maps may be available in the following documents:**

*Pre-1947*

Page 223 of 1918 Topographic Instructions

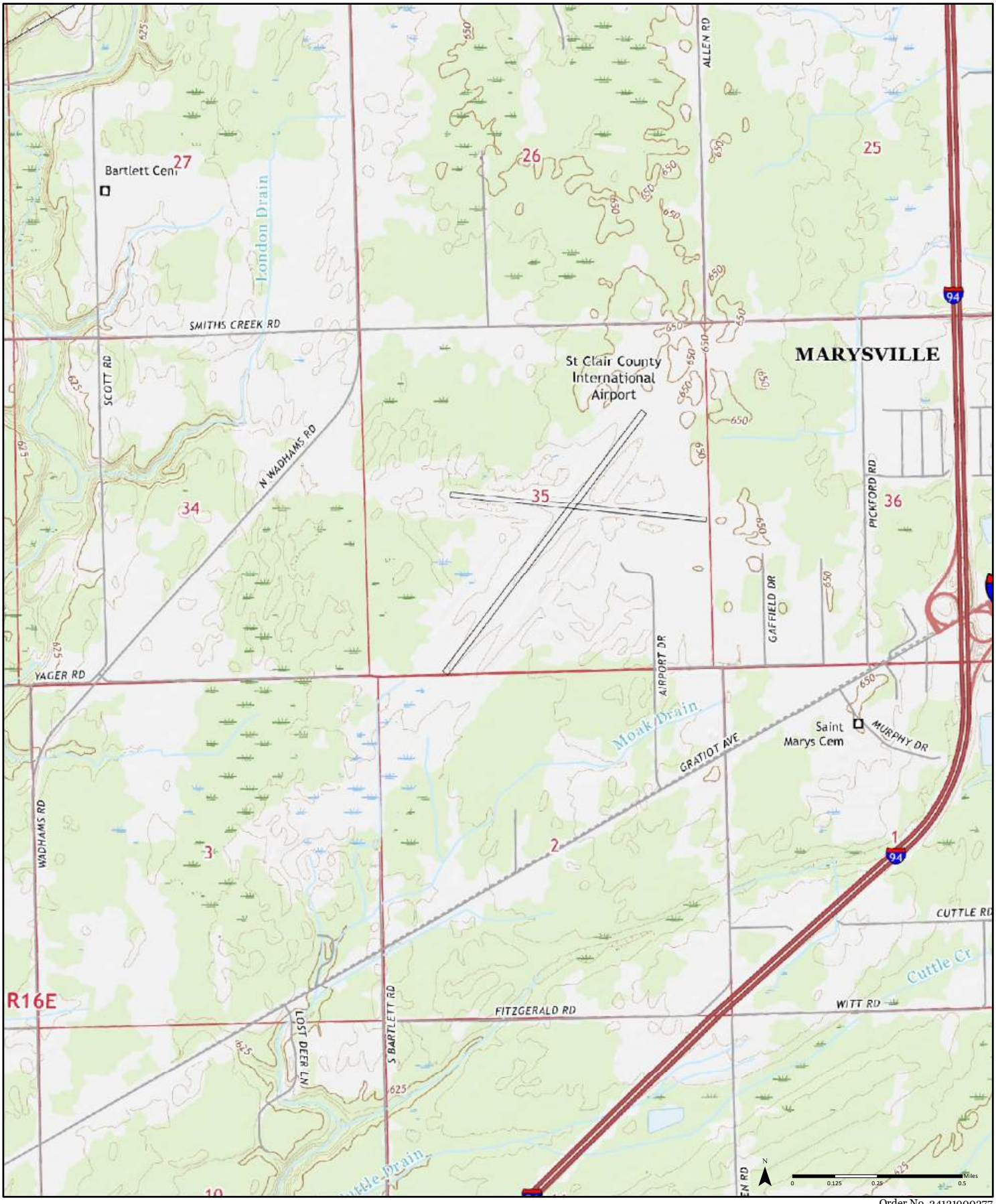
Page 130 of 1928 Topographic Instructions

*1947-2009*

Topographic Map Symbols

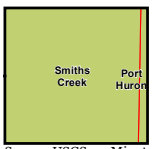
*2009-present*

US Topo Map Symbols



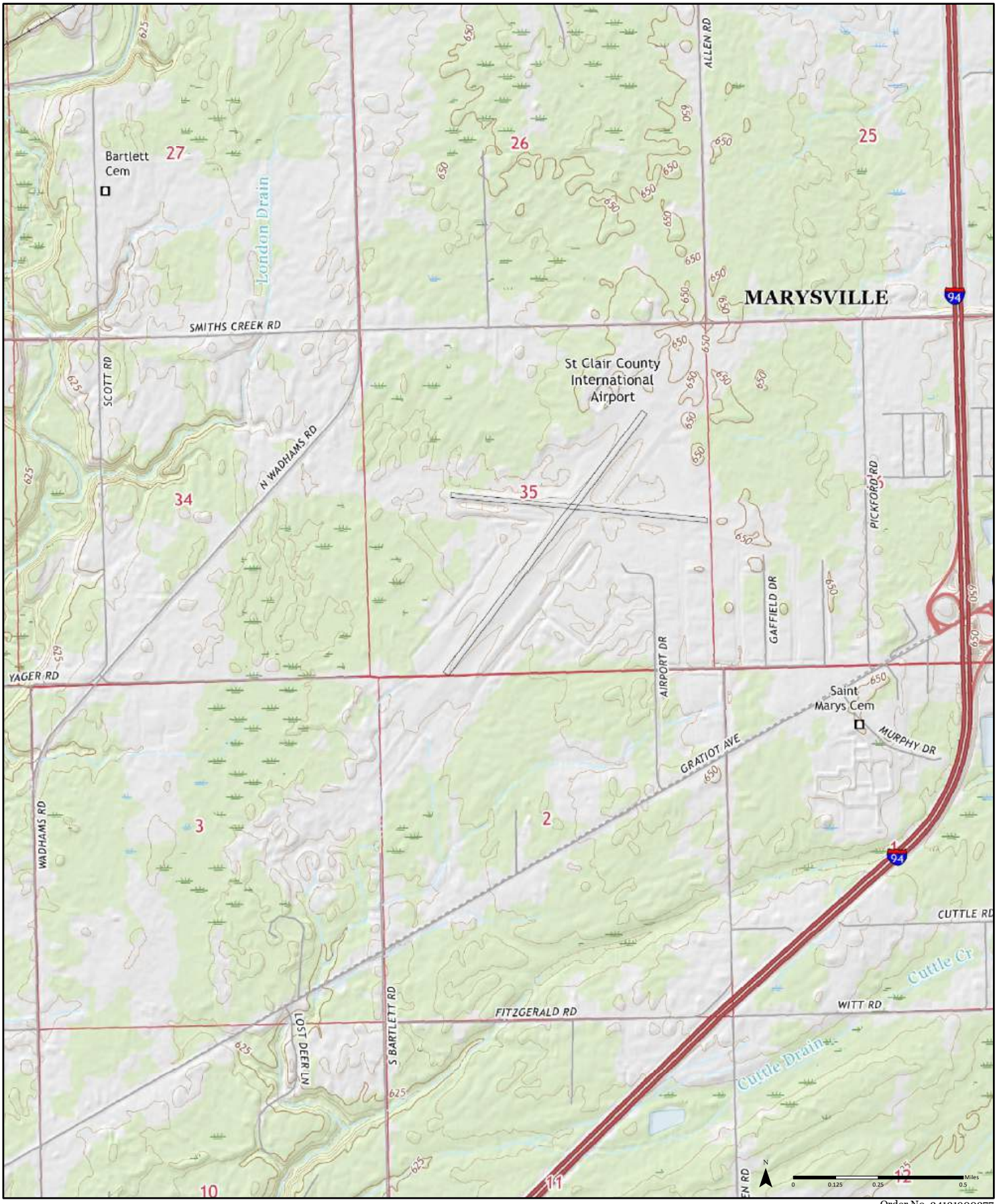

Order No. 24121900277

**2019**



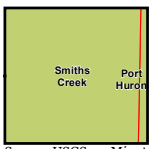

**Available Quadrangle(s): Smiths Creek, MI**

Source: USGS 7.5 Minute Topographic Map



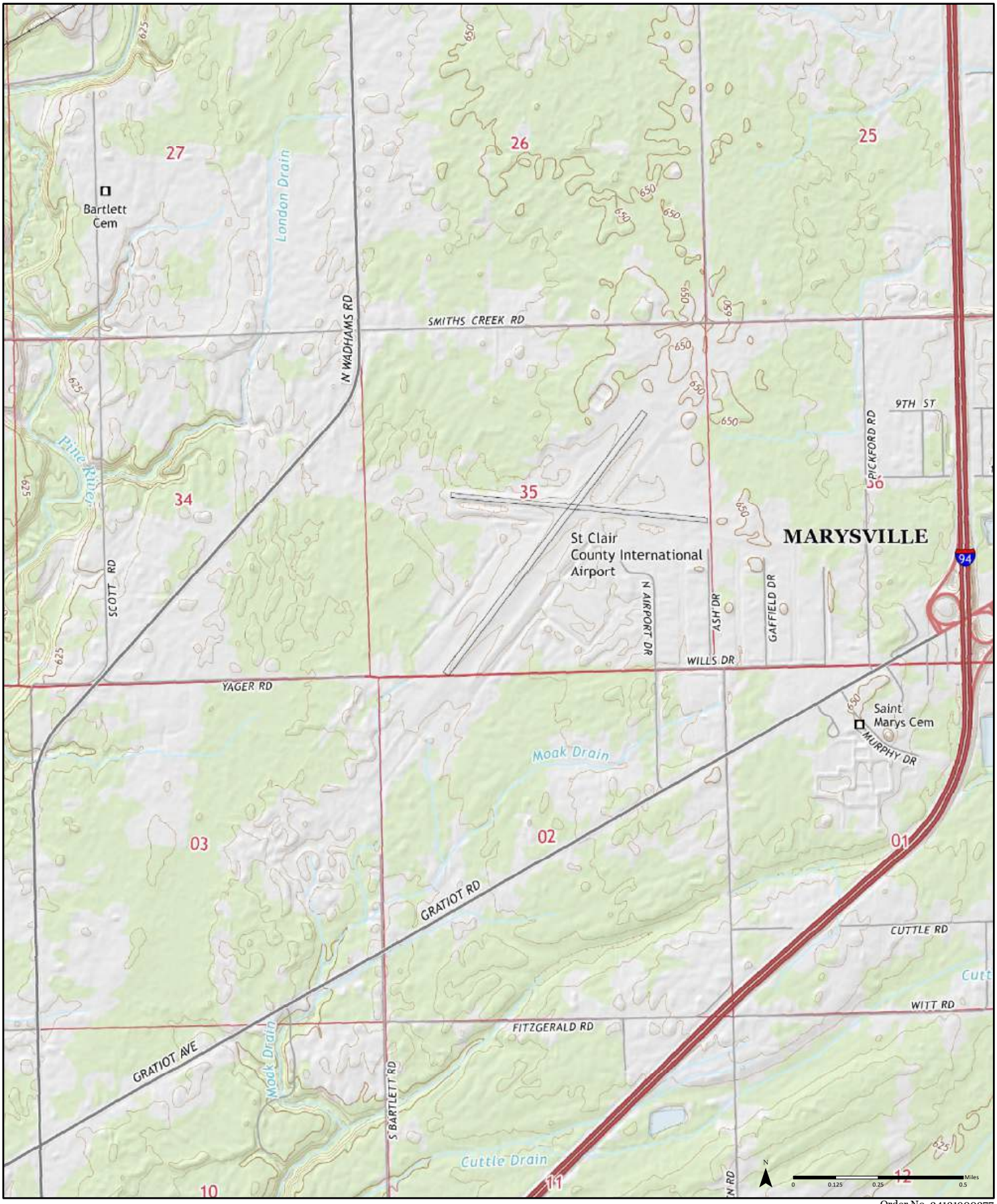

Order No. 24121900277

**2017**



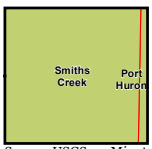

**Available Quadrangle(s): Smiths Creek, MI**

Source: USGS 7.5 Minute Topographic Map



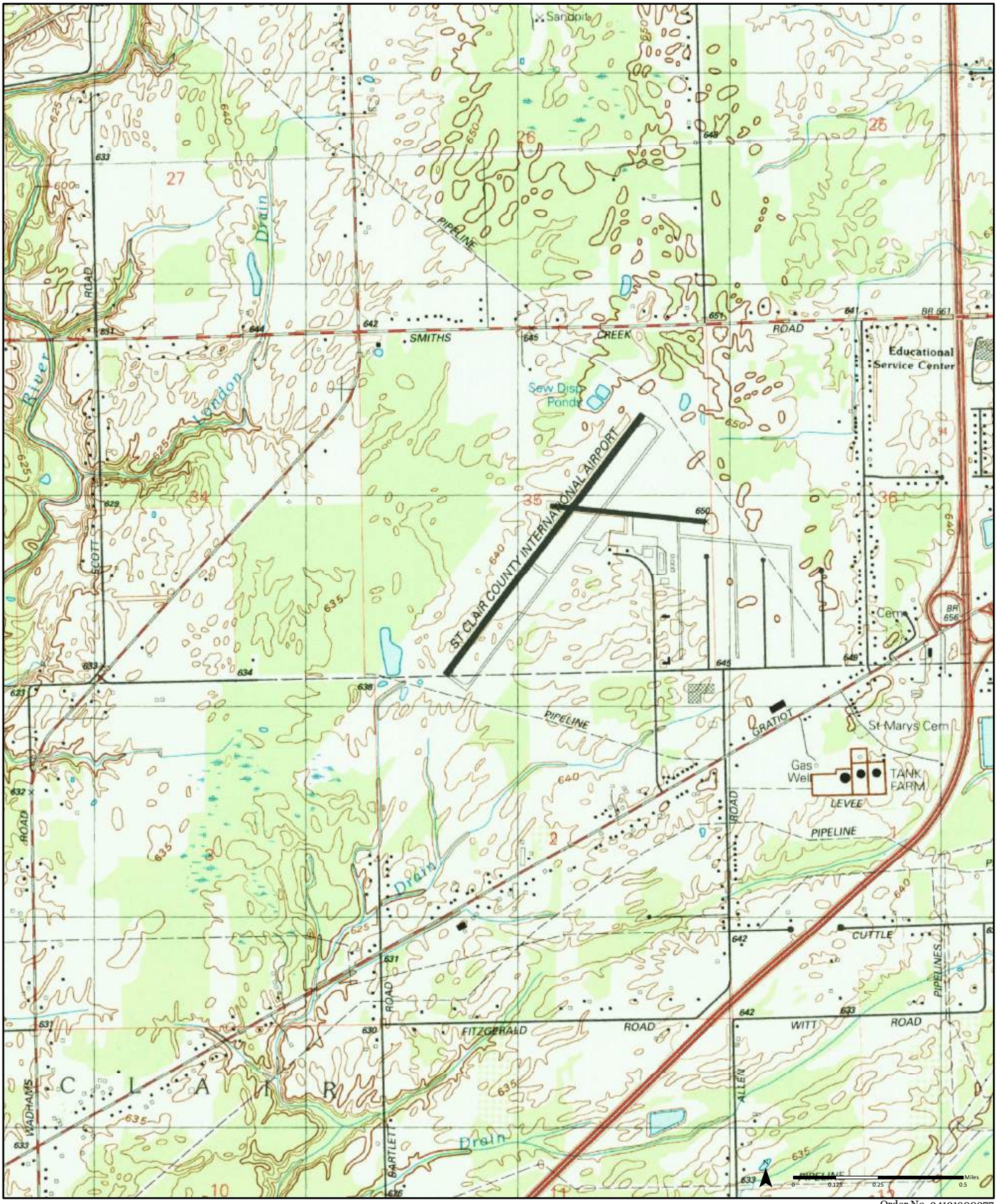

Order No. 24121900277

**2014**




**Available Quadrangle(s): Smiths Creek, MI**

Source: USGS 7.5 Minute Topographic Map

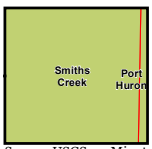



**1991** *(1-1991)*

*Aerial Photo Year: 1986*

Order No. 24121900277

**Available Quadrangle(s): Smiths Creek, MI**(1-1991)

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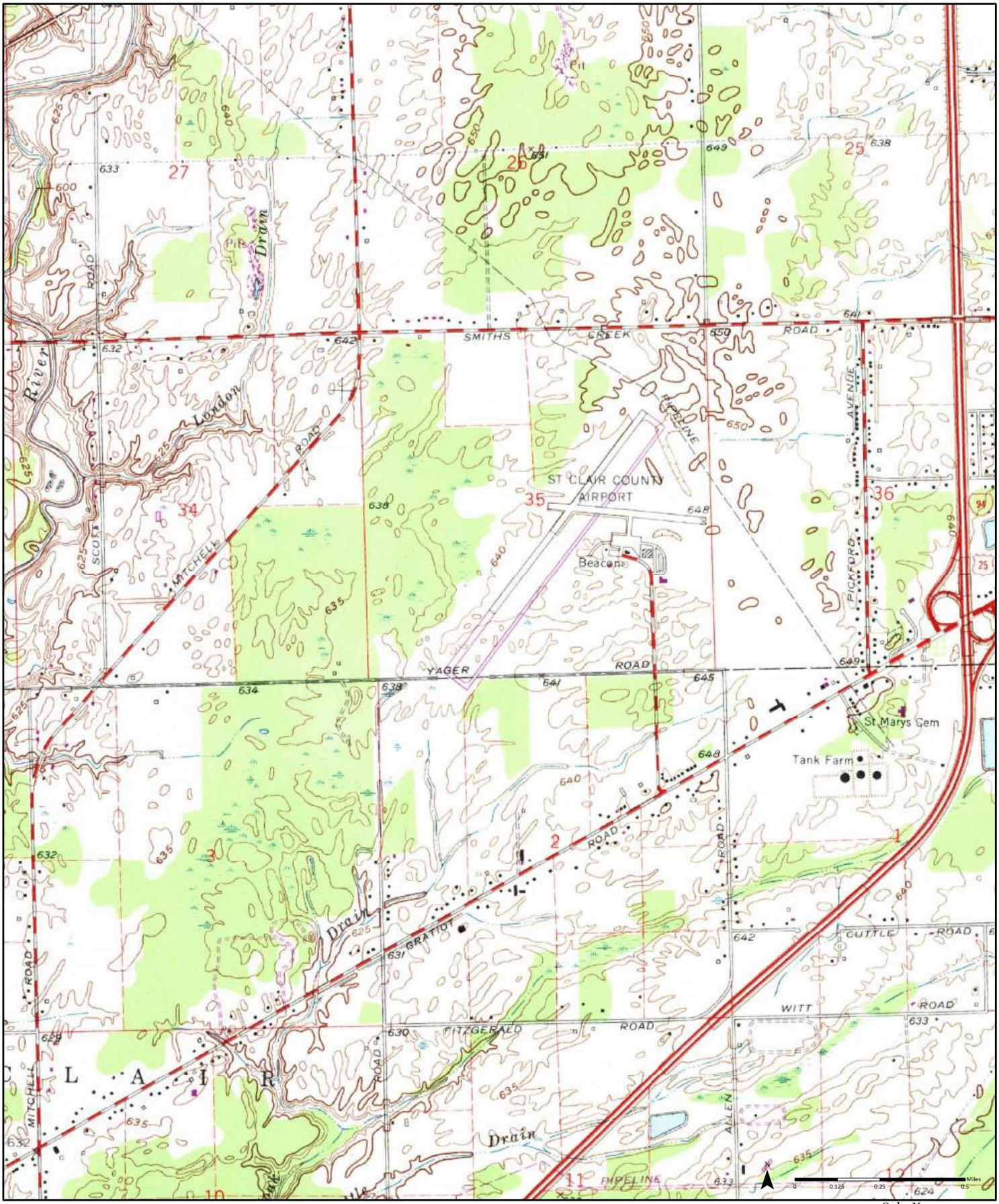
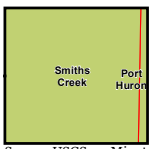



Order No. 24121900277

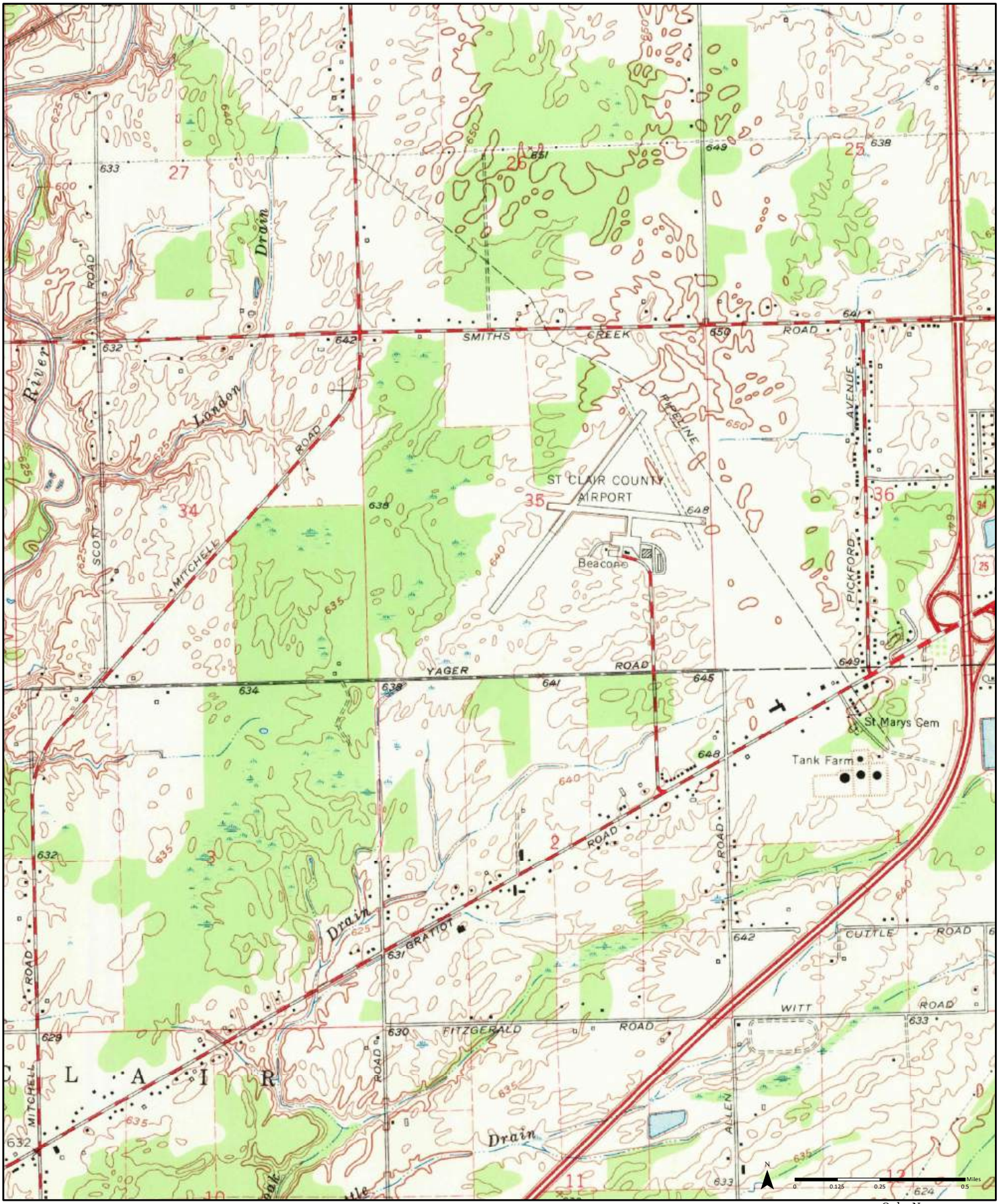
**1973** *(1-1973)*

*Aerial Photo Year: 1973*
*Photo Revision Year: 1973*

**Available Quadrangle(s): Smiths Creek, MI**(1-1973)




Source: USGS 7.5 Minute Topographic Map

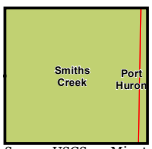



**1968** *(1-1968)*

*Aerial Photo Year: 1967*

Order No. 24121900277

**Available Quadrangle(s): Smiths Creek, MI**(1-1968)

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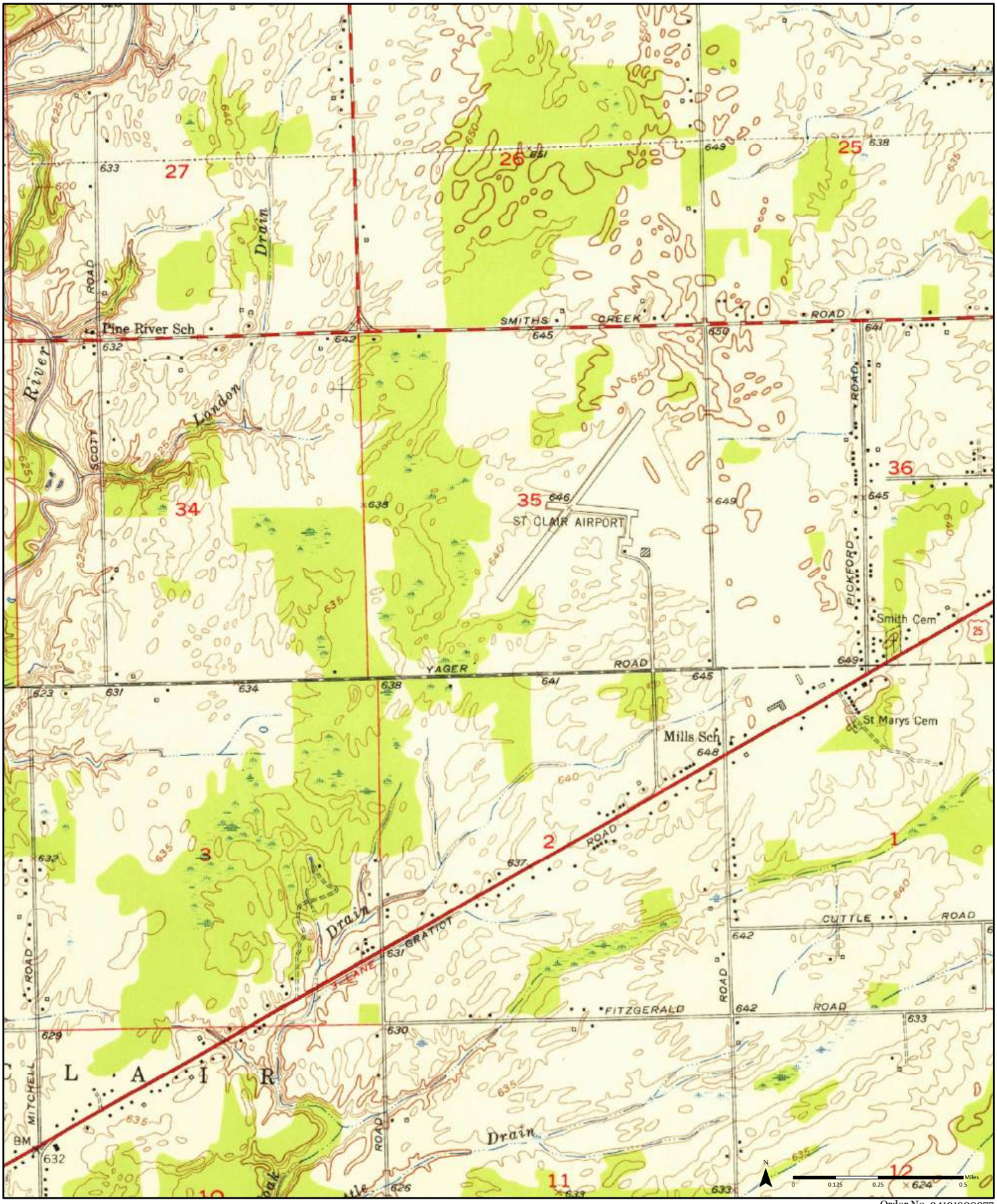
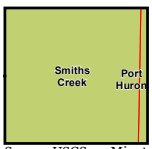


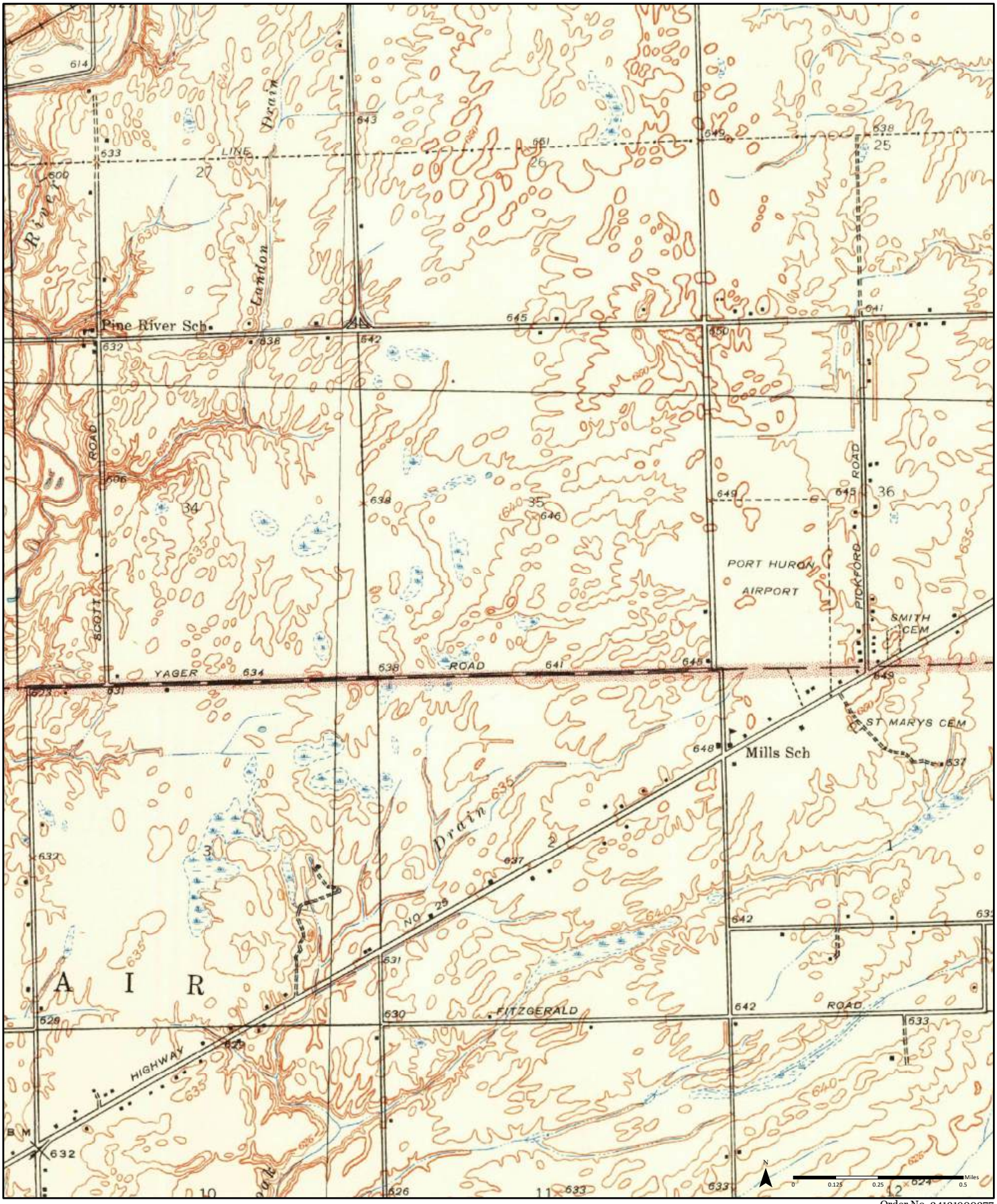

Order No. 24121900277

# 1952

**Available Quadrangle(s): Smiths Creek, MI**



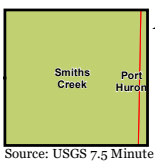

Source: USGS 7.5 Minute Topographic Map



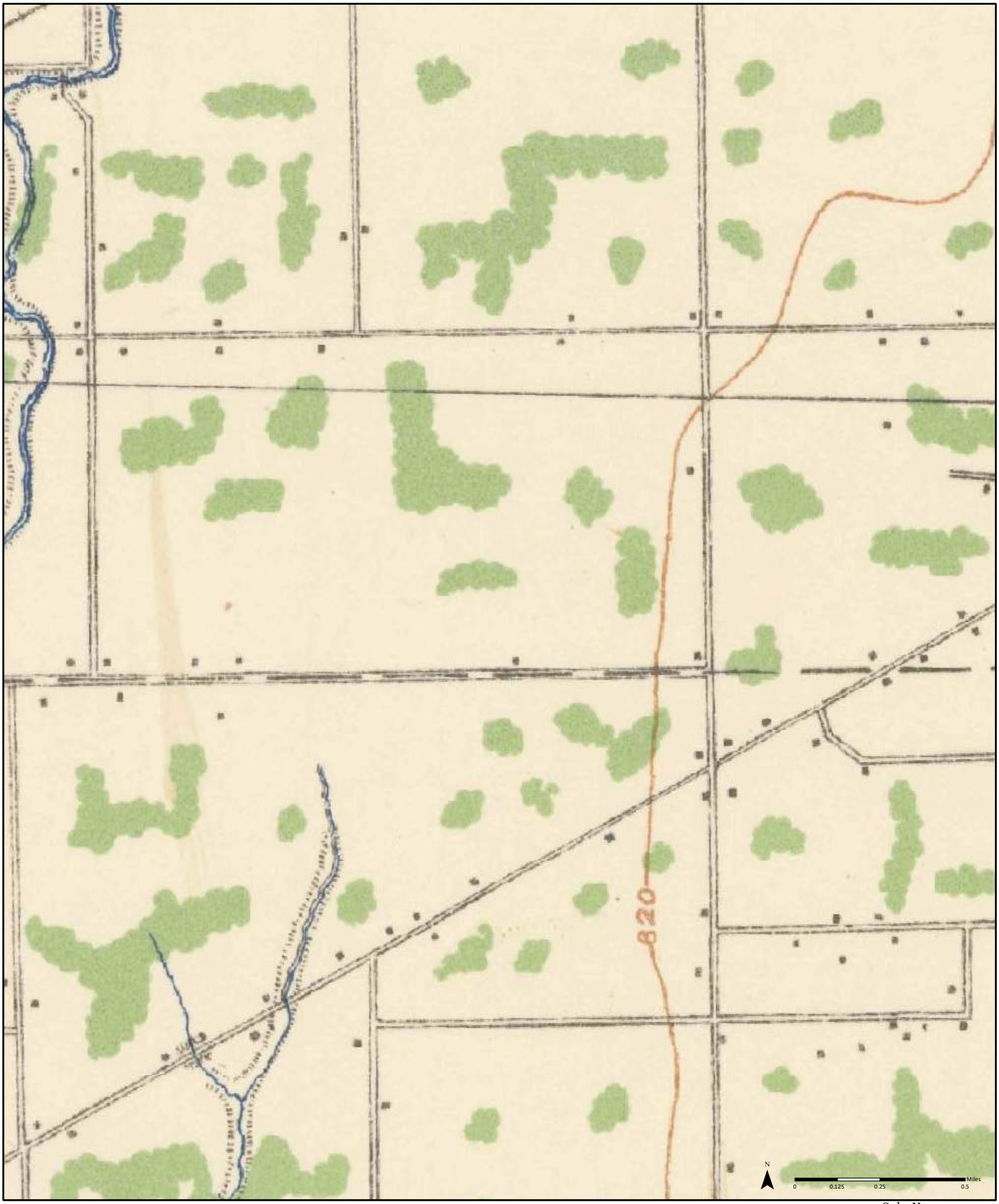

Order No. 24121900277

# 1939

**Available Quadrangle(s): Smiths Creek, MI**

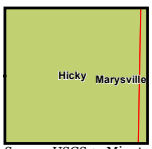



Source: USGS 7.5 Minute Topographic Map




# 1928

Order No. 24121900277




**Available Quadrangle(s): Hicky, MI**

Source: USGS 15 Minute Topographic Map

# Appendix E. Soils Data

United States Department of Agriculture

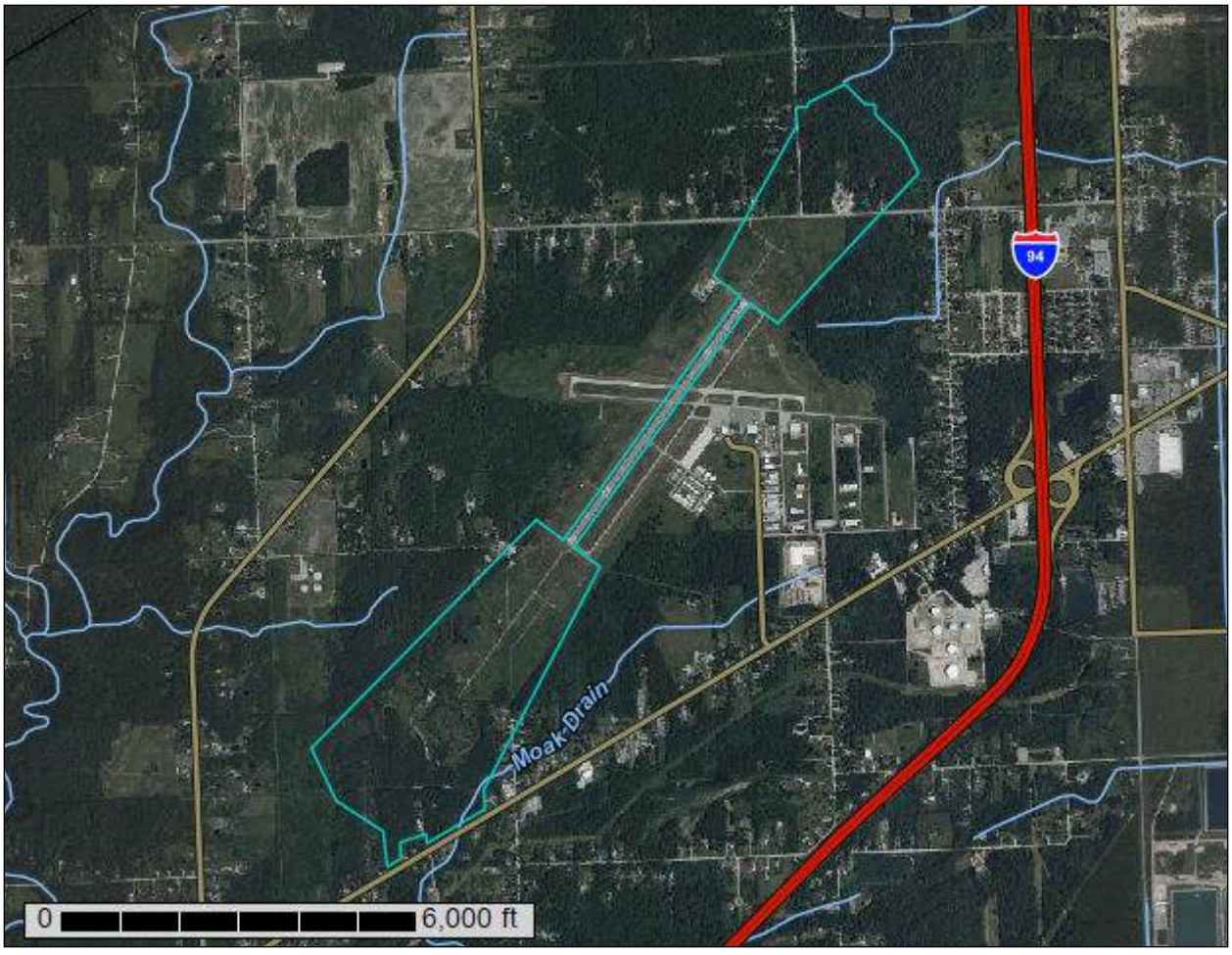
NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

# Custom Soil Resource Report for St. Clair County, Michigan

## St. Clair County International Airport




December 27, 2024

# Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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# Contents

# How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

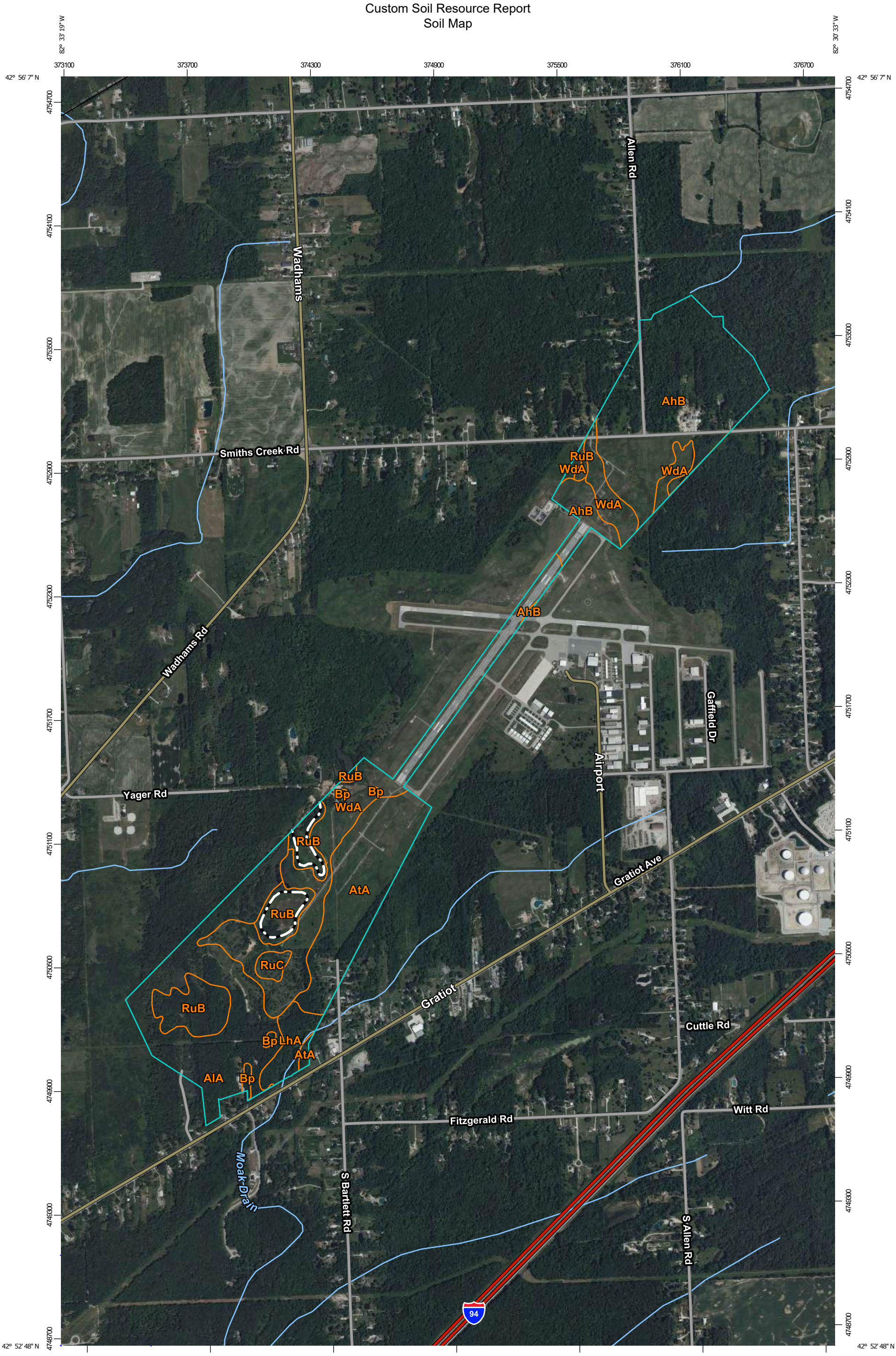
After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

# Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

# Custom Soil Resource Report
## Soil Map




Map Scale: 1:17,200 if printed on B portrait (11" x 17") sheet.

N

Meters: 0 250 500 1000 1500

Feet: 0 500 1000 2000 3000

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

## MAP LEGEND

**Area of Interest (AOI)**
- Area of Interest (AOI)

**Soils**
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

**Special Point Features**
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

**Water Features**
- Streams and Canals

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

**Background**
- Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

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

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

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

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

Soil Survey Area: St. Clair County, Michigan
Survey Area Data: Version 20, Aug 28, 2024

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

Date(s) aerial images were photographed: Jul 5, 2020—Sep 19, 2020

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

# Map Unit Legend

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|---|---|---|---|
| AhB | Allendale-Hoytville complex, 0 to 6 percent slopes | 139.3 | 29.8% |
| AlA | Allendale-Latty complex, 0 to 3 percent slopes | 93.1 | 19.9% |
| AtA | Allendale-Lenawee-Toledo complex, 0 to 3 percent slopes | 70.2 | 15.0% |
| Bp | Borrow pits | 2.6 | 0.6% |
| LhA | Latty complex, 0 to 3 percent slopes | 13.7 | 2.9% |
| RuB | Rousseau fine sand, 0 to 6 percent slopes | 44.4 | 9.5% |
| RuC | Rousseau fine sand, 6 to 12 percent slopes | 4.5 | 1.0% |
| WdA | Wainola-Deford fine sands, 0 to 2 percent slopes | 100.0 | 21.4% |
| **Totals for Area of Interest** | | **468.0** | **100.0%** |

# Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas

are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

# St. Clair County, Michigan

## AhB—Allendale-Hoytville complex, 0 to 6 percent slopes

### Map Unit Setting

*National map unit symbol:* 6901
*Elevation:* 570 to 700 feet
*Mean annual precipitation:* 31 to 32 inches
*Mean annual air temperature:* 47 to 49 degrees F
*Frost-free period:* 151 to 204 days
*Farmland classification:* Farmland of local importance

### Map Unit Composition

*Allendale and similar soils:* 50 percent
*Hoytville and similar soils:* 40 percent
*Minor components:* 10 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Allendale

#### Setting

*Landform:* Knolls on till plains
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Linear
*Across-slope shape:* Convex
*Parent material:* Sandy over clayey till

#### Typical profile

*Ap - 0 to 7 inches:* loamy fine sand
*Bhs - 7 to 11 inches:* fine sand
*Bs - 11 to 18 inches:* fine sand
*E - 18 to 24 inches:* fine sand
*Bt - 24 to 31 inches:* fine sand
*Btg - 31 to 33 inches:* loamy fine sand
*2Cg - 33 to 80 inches:* clay

#### Properties and qualities

*Slope:* 2 to 4 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Somewhat poorly drained
*Runoff class:* Low
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately high (0.00 to 0.20 in/hr)
*Depth to water table:* About 6 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 35 percent
*Available water supply, 0 to 60 inches:* Low (about 5.1 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 3w
*Hydrologic Soil Group:* D
*Ecological site:* F099XY005MI - Cool Moist Sandy Depression
*Hydric soil rating:* No

## Description of Hoytville

### Setting

*Landform:* Depressions on till plains, drainageways on till plains
*Landform position (two-dimensional):* Toeslope
*Landform position (three-dimensional):* Talf
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Parent material:* Clayey till

### Typical profile

*Ap - 0 to 9 inches:* silty clay loam
*Bw - 9 to 17 inches:* clay
*Btg1 - 17 to 21 inches:* clay
*Btg2 - 21 to 29 inches:* clay
*Cg1 - 29 to 41 inches:* clay
*Cg2 - 41 to 80 inches:* clay

### Properties and qualities

*Slope:* 0 to 2 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Very poorly drained
*Runoff class:* Negligible
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.20 in/hr)
*Depth to water table:* About 0 inches
*Frequency of flooding:* None
*Frequency of ponding:* Frequent
*Calcium carbonate, maximum content:* 30 percent
*Available water supply, 0 to 60 inches:* Moderate (about 6.8 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 3w
*Hydrologic Soil Group:* C/D
*Ecological site:* F099XY013MI - Wet Lake Plain Flats
*Hydric soil rating:* Yes

## Minor Components

### Nappanee

*Percent of map unit:* 5 percent
*Landform:* Knolls on till plains
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Linear
*Across-slope shape:* Convex
*Ecological site:* F099XY007MI - Lake Plain Flats
*Hydric soil rating:* No

### Sims

*Percent of map unit:* 5 percent
*Landform:* Depressions on till plains, drainageways on till plains
*Landform position (three-dimensional):* Talf
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Ecological site:* F099XY013MI - Wet Lake Plain Flats

*Hydric soil rating:* Yes

## AlA—Allendale-Latty complex, 0 to 3 percent slopes

### Map Unit Setting

*National map unit symbol:* 6902
*Elevation:* 570 to 670 feet
*Mean annual precipitation:* 32 to 33 inches
*Mean annual air temperature:* 47 to 49 degrees F
*Frost-free period:* 151 to 204 days
*Farmland classification:* Farmland of local importance

### Map Unit Composition

*Allendale and similar soils:* 55 percent
*Latty and similar soils:* 45 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Allendale

#### Setting

*Landform:* Knolls on lake plains
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Linear
*Across-slope shape:* Convex
*Parent material:* Sandy over clayey glaciolacustrine deposits

#### Typical profile

*Ap - 0 to 7 inches:* loamy fine sand
*Bhs - 7 to 11 inches:* fine sand
*Bs - 11 to 18 inches:* fine sand
*E - 18 to 24 inches:* fine sand
*Bt - 24 to 31 inches:* fine sand
*Btg - 31 to 33 inches:* loamy fine sand
*2Cg - 33 to 80 inches:* clay

#### Properties and qualities

*Slope:* 2 to 3 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Somewhat poorly drained
*Runoff class:* Low
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately high (0.00 to 0.20 in/hr)
*Depth to water table:* About 6 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 35 percent
*Available water supply, 0 to 60 inches:* Low (about 5.1 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3w
*Hydrologic Soil Group:* D
*Ecological site:* F099XY003MI - Warm Moist Sandy Depression
*Hydric soil rating:* No

**Description of Latty**

**Setting**

*Landform:* Drainageways on lake plains, depressions on lake plains
*Landform position (three-dimensional):* Talf
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Parent material:* Clayey glaciolacustrine deposits

**Typical profile**

*Ap - 0 to 8 inches:* silty clay loam
*Bg1 - 8 to 12 inches:* clay
*Bg2 - 12 to 24 inches:* clay
*Bg3 - 24 to 39 inches:* clay
*Cg - 39 to 80 inches:* clay

**Properties and qualities**

*Slope:* 0 to 2 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Very poorly drained
*Runoff class:* Negligible
*Capacity of the most limiting layer to transmit water (Ksat):* Low to moderately low (0.01 to 0.06 in/hr)
*Depth to water table:* About 0 inches
*Frequency of flooding:* None
*Frequency of ponding:* Frequent
*Calcium carbonate, maximum content:* 35 percent
*Available water supply, 0 to 60 inches:* Moderate (about 6.7 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 3w
*Hydrologic Soil Group:* D
*Ecological site:* F099XY013MI - Wet Lake Plain Flats
*Hydric soil rating:* Yes

## AtA—Allendale-Lenawee-Toledo complex, 0 to 3 percent slopes

**Map Unit Setting**

*National map unit symbol:* 6903
*Elevation:* 570 to 760 feet
*Mean annual precipitation:* 31 to 33 inches
*Mean annual air temperature:* 47 to 49 degrees F
*Frost-free period:* 151 to 204 days
*Farmland classification:* Farmland of local importance

**Map Unit Composition**

*Allendale and similar soils:* 45 percent
*Toledo and similar soils:* 22 percent
*Lenawee and similar soils:* 22 percent
*Minor components:* 11 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Allendale**

**Setting**

*Landform:* Knolls on lake plains
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Linear
*Across-slope shape:* Convex
*Parent material:* Sandy over clayey glaciolacustrine deposits

**Typical profile**

*Ap - 0 to 7 inches:* loamy fine sand
*Bhs - 7 to 11 inches:* fine sand
*Bs - 11 to 18 inches:* fine sand
*E - 18 to 24 inches:* fine sand
*Bt - 24 to 31 inches:* fine sand
*Btg - 31 to 33 inches:* loamy fine sand
*2Cg - 33 to 80 inches:* stratified clay to silty clay to silt loam to silty clay loam

**Properties and qualities**

*Slope:* 2 to 3 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Somewhat poorly drained
*Runoff class:* Low
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to high (0.00 to 2.00 in/hr)
*Depth to water table:* About 6 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 35 percent
*Available water supply, 0 to 60 inches:* Low (about 5.1 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 3w
*Hydrologic Soil Group:* D
*Ecological site:* F099XY005MI - Cool Moist Sandy Depression
*Hydric soil rating:* No

**Description of Toledo**

**Setting**

*Landform:* Drainageways on lake plains, depressions on lake plains
*Landform position (two-dimensional):* Toeslope
*Landform position (three-dimensional):* Talf
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Parent material:* Clayey glaciolacustrine deposits

**Typical profile**

*Ap - 0 to 9 inches:* silty clay loam
*Bg1 - 9 to 13 inches:* clay
*Bg2 - 13 to 19 inches:* silty clay
*Bg3 - 19 to 32 inches:* clay
*Bg4 - 32 to 41 inches:* clay
*Cg - 41 to 49 inches:* stratified silty clay to fine sandy loam to clay to silty clay loam to clay loam

**Properties and qualities**

*Slope:* 0 to 2 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Very poorly drained
*Runoff class:* Negligible
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.60 in/hr)
*Depth to water table:* About 0 inches
*Frequency of flooding:* None
*Frequency of ponding:* Frequent
*Calcium carbonate, maximum content:* 35 percent
*Available water supply, 0 to 60 inches:* Moderate (about 6.2 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 3w
*Hydrologic Soil Group:* C/D
*Ecological site:* F099XY013MI - Wet Lake Plain Flats
*Hydric soil rating:* Yes

## Description of Lenawee

**Setting**

*Landform:* Drainageways on lake plains, depressions on lake plains
*Landform position (two-dimensional):* Toeslope
*Landform position (three-dimensional):* Talf
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Parent material:* Clayey glaciolacustrine deposits

**Typical profile**

*A - 0 to 10 inches:* silt loam
*Bg1 - 10 to 16 inches:* silty clay loam
*Bg2 - 16 to 23 inches:* silty clay loam
*Bg3 - 23 to 31 inches:* silty clay loam
*BCg - 31 to 42 inches:* silty clay
*Cg1 - 42 to 54 inches:* silty clay loam
*2Cg2 - 54 to 80 inches:* stratified very fine sandy loam to silt loam to silty clay loam

**Properties and qualities**

*Slope:* 0 to 2 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Poorly drained
*Runoff class:* Negligible
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.60 in/hr)

*Depth to water table:* About 0 inches
*Frequency of flooding:* None
*Frequency of ponding:* Frequent
*Calcium carbonate, maximum content:* 35 percent
*Available water supply, 0 to 60 inches:* High (about 10.9 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 2w
*Hydrologic Soil Group:* C/D
*Ecological site:* F099XY013MI - Wet Lake Plain Flats
*Hydric soil rating:* Yes

**Minor Components**

**Lamson**

*Percent of map unit:* 11 percent
*Landform:* Depressions on lake plains
*Landform position (two-dimensional):* Toeslope
*Landform position (three-dimensional):* Talf
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Ecological site:* F099XY013MI - Wet Lake Plain Flats
*Hydric soil rating:* Yes

## Bp—Borrow pits

**Map Unit Setting**

*National map unit symbol:* 6909
*Elevation:* 570 to 870 feet
*Mean annual precipitation:* 31 to 33 inches
*Mean annual air temperature:* 47 to 49 degrees F
*Frost-free period:* 151 to 204 days
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Borrow pits:* 100 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

## LhA—Latty complex, 0 to 3 percent slopes

**Map Unit Setting**

*National map unit symbol:* 690v
*Elevation:* 570 to 670 feet
*Mean annual precipitation:* 32 to 33 inches

*Mean annual air temperature:* 47 to 49 degrees F
*Frost-free period:* 151 to 204 days
*Farmland classification:* Prime farmland if drained

**Map Unit Composition**

*Latty and similar soils:* 46 percent
*Latty, less wet, and similar soils:* 44 percent
*Minor components:* 10 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Latty**

**Setting**

*Landform:* Flats on lake plains, drainageways on lake plains
*Landform position (three-dimensional):* Talf
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Parent material:* Clayey glaciolacustrine deposits

**Typical profile**

*Ap - 0 to 8 inches:* silty clay loam
*Bg1 - 8 to 12 inches:* clay
*Bg2 - 12 to 24 inches:* clay
*Bg3 - 24 to 39 inches:* clay
*Cg - 39 to 80 inches:* clay

**Properties and qualities**

*Slope:* 0 to 2 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Very poorly drained
*Runoff class:* Negligible
*Capacity of the most limiting layer to transmit water (Ksat):* Low to moderately low (0.01 to 0.06 in/hr)
*Depth to water table:* About 0 inches
*Frequency of flooding:* None
*Frequency of ponding:* Frequent
*Calcium carbonate, maximum content:* 35 percent
*Available water supply, 0 to 60 inches:* Moderate (about 6.7 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 3w
*Hydrologic Soil Group:* D
*Ecological site:* F099XY013MI - Wet Lake Plain Flats
*Hydric soil rating:* Yes

**Description of Latty, Less Wet**

**Setting**

*Landform:* Knolls on lake plains
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Linear
*Across-slope shape:* Convex
*Parent material:* Clayey glaciolacustrine deposits

**Typical profile**

*Ap - 0 to 8 inches:* loam

*Bw - 8 to 12 inches:* clay
*Bg1 - 12 to 24 inches:* clay
*Bg2 - 24 to 28 inches:* clay
*Cg - 28 to 80 inches:* clay

**Properties and qualities**

*Slope:* 1 to 3 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Somewhat poorly drained
*Runoff class:* Medium
*Capacity of the most limiting layer to transmit water (Ksat):* Low to moderately low (0.01 to 0.06 in/hr)
*Depth to water table:* About 12 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 35 percent
*Available water supply, 0 to 60 inches:* Moderate (about 6.5 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 3w
*Hydrologic Soil Group:* D
*Ecological site:* F099XY007MI - Lake Plain Flats
*Hydric soil rating:* No

**Minor Components**

**Allendale**

*Percent of map unit:* 5 percent
*Landform:* Knolls on lake plains
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Linear
*Across-slope shape:* Convex
*Ecological site:* F099XY003MI - Warm Moist Sandy Depression
*Hydric soil rating:* No

**Minoa**

*Percent of map unit:* 5 percent
*Landform:* Knolls on lake plains
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Linear
*Across-slope shape:* Convex
*Ecological site:* F099XY007MI - Lake Plain Flats
*Hydric soil rating:* No

## RuB—Rousseau fine sand, 0 to 6 percent slopes

**Map Unit Setting**

*National map unit symbol:* 691t
*Elevation:* 570 to 820 feet

*Mean annual precipitation:* 31 to 33 inches
*Mean annual air temperature:* 47 to 49 degrees F
*Frost-free period:* 151 to 204 days
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Rousseau and similar soils:* 95 percent
*Minor components:* 5 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Rousseau**

**Setting**

*Landform:* Beaches on lake plains
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Linear
*Across-slope shape:* Convex
*Parent material:* Sandy glaciolacustrine deposits

**Typical profile**

*Ap - 0 to 5 inches:* fine sand
*Bs1 - 5 to 19 inches:* fine sand
*Bs2 - 19 to 30 inches:* fine sand
*C1 - 30 to 44 inches:* fine sand
*C2 - 44 to 80 inches:* sand

**Properties and qualities**

*Slope:* 0 to 6 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Well drained
*Runoff class:* Very low
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (2.00 to 20.00 in/hr)
*Depth to water table:* More than 80 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Available water supply, 0 to 60 inches:* Low (about 3.9 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 3s
*Hydrologic Soil Group:* A
*Ecological site:* F099XY004MI - Warm Dry Sandy Ridge
*Hydric soil rating:* No

**Minor Components**

**Wainola**

*Percent of map unit:* 3 percent
*Landform:* Swales on lake plains
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Linear
*Across-slope shape:* Convex
*Ecological site:* F099XY005MI - Cool Moist Sandy Depression
*Hydric soil rating:* No

**Deford**

*Percent of map unit:* 2 percent
*Landform:* Drainageways on lake plains, depressions on lake plains
*Landform position (three-dimensional):* Talf
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Ecological site:* F099XY011MI - Warm Wet Sandy Depression
*Hydric soil rating:* Yes

## RuC—Rousseau fine sand, 6 to 12 percent slopes

**Map Unit Setting**

*National map unit symbol:* 691v
*Elevation:* 570 to 870 feet
*Mean annual precipitation:* 31 to 33 inches
*Mean annual air temperature:* 47 to 49 degrees F
*Frost-free period:* 151 to 204 days
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Rousseau and similar soils:* 100 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Rousseau**

**Setting**

*Landform:* Knolls on lake plains, drainageways, ridges on lake plains, beaches
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Linear
*Across-slope shape:* Convex
*Parent material:* Sandy glaciolacustrine deposits

**Typical profile**

*Ap - 0 to 5 inches:* fine sand
*Bs1 - 5 to 19 inches:* fine sand
*Bs2 - 19 to 30 inches:* fine sand
*C1 - 30 to 44 inches:* fine sand
*C2 - 44 to 80 inches:* sand

**Properties and qualities**

*Slope:* 6 to 12 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Well drained
*Runoff class:* Low
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (2.00 to 20.00 in/hr)
*Depth to water table:* More than 80 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Available water supply, 0 to 60 inches:* Low (about 3.9 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 6s
*Hydrologic Soil Group:* A
*Ecological site:* F099XY004MI - Warm Dry Sandy Ridge
*Hydric soil rating:* No

## WdA—Wainola-Deford fine sands, 0 to 2 percent slopes

**Map Unit Setting**

*National map unit symbol:* 6924
*Elevation:* 570 to 830 feet
*Mean annual precipitation:* 31 to 33 inches
*Mean annual air temperature:* 47 to 49 degrees F
*Frost-free period:* 151 to 204 days
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Wainola and similar soils:* 57 percent
*Deford and similar soils:* 27 percent
*Minor components:* 16 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Wainola**

**Setting**

*Landform:* Beaches, outwash plains, knolls on deltas
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Convex, linear
*Across-slope shape:* Linear, convex
*Parent material:* Sandy glaciolacustrine deposits

**Typical profile**

*A - 0 to 9 inches:* fine sand
*Bs1 - 9 to 16 inches:* fine sand
*Bs2 - 16 to 25 inches:* fine sand
*BC - 25 to 37 inches:* fine sand
*Cg1 - 37 to 49 inches:* fine sand
*Cg2 - 49 to 80 inches:* fine sand

**Properties and qualities**

*Slope:* 0 to 2 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Somewhat poorly drained
*Runoff class:* Very low
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (6.00 to 20.00 in/hr)
*Depth to water table:* About 6 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 10 percent

*Available water supply, 0 to 60 inches:* Low (about 4.1 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 3w
*Hydrologic Soil Group:* A/D
*Ecological site:* F099XY005MI - Cool Moist Sandy Depression
*Hydric soil rating:* No

## Description of Deford

**Setting**

*Landform:* Depressions on deltas, drainageways on deltas
*Landform position (three-dimensional):* Rise, talf
*Down-slope shape:* Convex, linear
*Across-slope shape:* Linear
*Parent material:* Sandy glaciolacustrine deposits

**Typical profile**

*Ap - 0 to 9 inches:* fine sand
*Bw1 - 9 to 19 inches:* fine sand
*Bw2 - 19 to 26 inches:* sand
*Bw3 - 26 to 33 inches:* fine sand
*Cg1 - 33 to 49 inches:* fine sand
*Cg2 - 49 to 80 inches:* fine sand

**Properties and qualities**

*Slope:* 0 to 2 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Very poorly drained
*Runoff class:* Negligible
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (6.00 to 20.00 in/hr)
*Depth to water table:* About 0 inches
*Frequency of flooding:* None
*Frequency of ponding:* Frequent
*Calcium carbonate, maximum content:* 25 percent
*Available water supply, 0 to 60 inches:* Low (about 4.3 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 3w
*Hydrologic Soil Group:* A/D
*Ecological site:* F099XY011MI - Warm Wet Sandy Depression
*Hydric soil rating:* Yes

## Minor Components

**Gilford**

*Percent of map unit:* 8 percent
*Landform:* Depressions on deltas
*Landform position (three-dimensional):* Talf
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Ecological site:* F099XY013MI - Wet Lake Plain Flats
*Hydric soil rating:* Yes

**Rousseau**

*Percent of map unit:* 8 percent
*Landform:* Ridges on deltas
*Landform position (three-dimensional):* Rise
*Down-slope shape:* Linear
*Across-slope shape:* Convex
*Ecological site:* F099XY004MI - Warm Dry Sandy Ridge
*Hydric soil rating:* No

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United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

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United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

# Appendix F. Site Reconnaissance Photographs

# General Airport Photos


ST. CLAIR COUNTY
INTERNATIONAL AIRPORT
& INDUSTRIAL PARK
11:03 AM
39F
SAINT CLAIR COUNTY
1820
MICHIGAN
ROAD COMMISSION • DRAIN COMMISSIONER • DEPARTMENT OF PUBLIC WORKS


Aviation
EXPLORER
LaFontaine
HOW'S MY DRIVING?
1-800-800-9577
30A727


Friends of the Airport
A Gateway to the World


GATE 1
CAUTION
WARNING
AIRPORT
PROPERTY
NO
TRESPASSING


TITAN


JET A
1863
3
FLAMMABLE
NO SMOKING
JET A


FLAMMABLE
NO SMOKING
UNLEADED REGULAR
FLAMMABLE
NO SMOKING
UNLEADED
GASOLINE


TITAN


ONE HOUR PARKING
295 AIRPORT DRIVE
ONE HOUR PARKING
Mead & Hunt
meadhunt.com

# Northeast Subject Property Photos


ALLEN
SMITHS CREEK
STOP

# Southwest Subject Property Photos


STOP
GATE 7


STOP
GATE 7


NO DRONE
ZONE


NO DRONE
ZONE
ST

# Sites 2 & 3 (5740 Gratiot Ave) Photos

# Site 4 – Welser Well Drilling (5640 Gratiot Ave) Photos


WEISER
WELL DRILLING


WELSER
WELL DRILLING
-LLC-
Since 1940
5640
5640


WEISER
WELL DRILLING

## Appendix G. Historic Aerials

# HISTORICAL AERIALS

**Project Property:** St. Clair County
International Airport (PHN) Obstruction Clearing
St. Clair County International Airport (PHN)
Smiths Creek MI

**Project No:** R1937800-210771.01 Ph 09

**Requested By:** Mead & Hunt, Inc.

**Order No:** 24121900277

**Date Completed:** December 26,2024



**Environmental Risk Information Services**
*A division of Glacier Media Inc.*
1.866.517.5204 | info@erisinfo.com | erisinfo.com

| Date | Source | Scale | Comments |
|---|---|---|---|
| 2023 | Maxar Technologies | 1" = 1600' | |
| 2022 | United States Department of Agriculture | 1" = 1600' | |
| 2020 | United States Department of Agriculture | 1" = 1600' | |
| 2018 | United States Department of Agriculture | 1" = 1600' | |
| 2016 | United States Department of Agriculture | 1" = 1600' | |
| 2014 | United States Department of Agriculture | 1" = 1600' | |
| 2012 | United States Department of Agriculture | 1" = 1600' | |
| 2010 | United States Department of Agriculture | 1" = 1600' | |
| 2009 | United States Department of Agriculture | 1" = 1600' | |
| 2008 | United States Geological Survey | 1" = 1600' | |
| 2006 | United States Department of Agriculture | 1" = 1600' | |
| 2005 | United States Department of Agriculture | 1" = 1600' | |
| 1999 | United States Geological Survey | 1" = 1600' | |
| 1993 | United States Geological Survey | 1" = 1600' | Best Copy Available |
| 1983 | United States Geological Survey | 1" = 1600' | |
| 1973 | United States Geological Survey | 1" = 1600' | |
| 1967 | United States Geological Survey | 1" = 1600' | |
| 1964 | Agricultural Stabilization & Conserv. Service | 1" = 1600' | |
| 1956 | Detroit Edison | 1" = 1600' | |
| 1951 | United States Geological Survey | 1" = 1600' | |
| 1941 | Agricultural Stabilization & Conserv. Service | 1" = 1600' | Best Copy Available |
| 1938 | Agricultural Stabilization & Conserv. Service | 1" = 1600' | |


Year: 2023
Source: MAXAR
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 2022
Source: USDA
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 2020
Source: USDA
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 2018
Source: USDA
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 2016
Source: USDA
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 2014
Source: USDA
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 2012
Source: USDA
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 2010
Source: USDA
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 2009
Source: USDA
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 2008
Source: USGS
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 2006
Source: USDA
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 2005
Source: USDA
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 1999
Source: USGS
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 1993
Source: USGS
Scale: 1" = 1600'
Comment: Best Copy Available

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 1983
Source: USGS
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 1973
Source: USGS
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 1967
Source: USGS
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

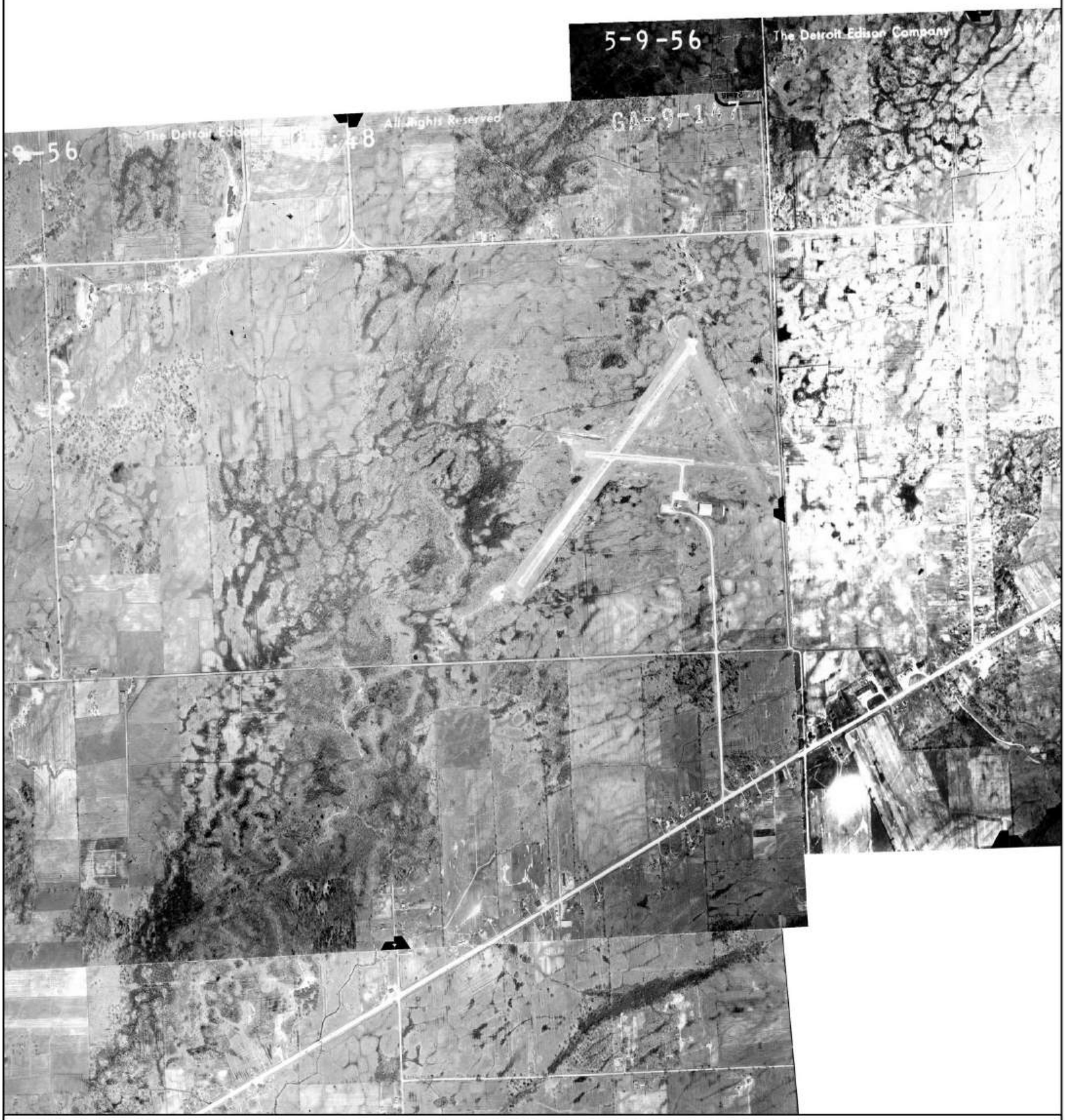
ERIS


Year: 1964
Source: ASCS
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS




Year: 1956
Source: DTE
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 1951
Source: USGS
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 1941
Source: ASCS
Scale: 1" = 1600'
Comment: Best Copy Available

Address: St. Clair County International Airport (PHN), Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS


Year: 1938
Source: ASCS
Scale: 1" = 1600'
Comment:

Address: St. Clair County International Airport (PHN),
Smiths Creek, MI
Approx Center: -82.53403789,42.90596776

Order No: 24121900277

ERIS

# Appendix H. EDR Database Reports

# DATABASE REPORT

| | |
|---|---|
| **Project Property:** | *St. Clair County International Airport (PHN)*<br>*Obstruction Clearing*<br>*St. Clair County International Airport (PHN)*<br>*Smiths Creek MI* |
| **Project No:** | *R1937800-210771.01 Ph 09* |
| **Report Type:** | *Database Report* |
| **Order No:** | *24121900277* |
| **Requested by:** | *Mead & Hunt, Inc.* |
| **Date Completed:** | *December 20, 2024* |

**Environmental Risk Information Services**
*A division of Glacier Media Inc.*
1.866.517.5204 | info@erisinfo.com | erisinfo.com

# Table of Contents

# Executive Summary

***Property Information:***

| | | |
|---|---|---|
| **Project Property:** | | *St. Clair County International Airport (PHN) Obstruction Clearing*<br>*St. Clair County International Airport (PHN)  Smiths Creek MI* |
| **Project No:** | | *R1937800-210771.01 Ph 09* |
| **Coordinates:** | | |
| | **Latitude:** | *42.90596776* |
| | **Longitude:** | *-82.53403789* |
| | **UTM Northing:** | *4,751,514.21* |
| | **UTM Easting:** | *374,771.47* |
| | **UTM Zone:** | *UTM Zone 17T* |
| **Elevation:** | | *642 FT* |

***Order Information:***

| | |
|---|---|
| **Order No:** | *24121900277* |
| **Date Requested:** | *December 19, 2024* |
| **Requested by:** | *Mead & Hunt, Inc.* |
| **Report Type:** | *Database Report* |

***Historicals/Products:***

| | |
|---|---|
| **Aerial Photographs** | *Historical Aerials (with Project Boundaries)* |
| **City Directory Search** | *CD - 2 Street Search* |
| **ERIS Xplorer** | *ERIS Xplorer* |
| **Excel Add-On** | *Excel Add-On* |
| **Fire Insurance Maps** | *US Fire Insurance Maps* |
| **Physical Setting Report (PSR)** | *Physical Setting Report (PSR)* |
| **Topographic Map** | *Topographic Maps* |

# Executive Summary: Report Summary

| Database | Searched | Search Radius | Project Property | Within 0.12mi | 0.125mi to 0.25mi | 0.25mi to 0.50mi | 0.50mi to 1.00mi | Total |
|---|---|---|---|---|---|---|---|---|
| **Standard Environmental Records** | | | | | | | | |
| **Federal** | | | | | | | | |
| NPL | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| PROPOSED NPL | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| DELETED NPL | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| SEMS | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| SEMS ARCHIVE | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| ODI | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| IODI | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| CERCLIS | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| CERCLIS NFRAP | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| CERCLIS LIENS | Y | PO | 0 | - | - | - | - | 0 |
| RCRA CORRACTS | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| RCRA TSD | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| RCRA LQG | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| RCRA SQG | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| RCRA VSQG | Y | 0.25 | 0 | 0 | ***1*** | - | - | ***1*** |
| RCRA NON GEN | Y | 0.25 | 0 | 0 | ***1*** | - | - | ***1*** |
| RCRA CONTROLS | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| FED ENG | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| FED INST | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| LUCIS | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| NPL IC | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| ERNS 1982 TO 1986 | Y | PO | 0 | - | - | - | - | 0 |
| ERNS 1987 TO 1989 | Y | PO | 0 | - | - | - | - | 0 |
| ERNS | Y | PO | 0 | - | - | - | - | 0 |
| FED BROWNFIELDS | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| FEMA UST | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| FRP | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |

| Database | Searched | Search Radius | Project Property | Within 0.12mi | 0.125mi to 0.25mi | 0.25mi to 0.50mi | 0.50mi to 1.00mi | Total |
|---|---|---|---|---|---|---|---|---|
| DELISTED FRP | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| HIST GAS STATIONS | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| REFN | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| BULK TERMINAL | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| SEMS LIEN | Y | PO | 0 | - | - | - | - | 0 |
| SUPERFUND ROD | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| DOE FUSRAP | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **State** | | | | | | | | |
| SHWS | Y | 1 | 0 | **1** | **1** | **2** | **2** | **6** |
| DELISTED CONTAM | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| DELISTED SHWS | Y | 1 | 0 | 0 | 0 | 0 | **1** | **1** |
| SITE CLEANUP | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| SWF/LF | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| WASTE | Y | 0.5 | **1** | 0 | **2** | **13** | - | **16** |
| RECYCLING | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| LUST | Y | 0.5 | 0 | 0 | 0 | **3** | - | **3** |
| DELISTED LUST | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| UST | Y | 0.25 | 0 | **1** | 0 | - | - | **1** |
| AST | Y | 0.25 | 0 | 0 | **1** | - | - | **1** |
| UNREG TANK | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| TANK FACILITY | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| DELISTED TANK | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| AUL | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| BROWNFIELDS | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| BFLD REDEV | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| BFLD UST | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| NFA RES | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| **Tribal** | | | | | | | | |
| INDIAN LUST | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| INDIAN UST | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| DELISTED INDIAN LST | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| DELISTED INDIAN UST | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| **County** | ***No County databases were selected to be included in the search.*** | | | | | | | |

| Database | Searched | Search Radius | Project Property | Within 0.12mi | 0.125mi to 0.25mi | 0.25mi to 0.50mi | 0.50mi to 1.00mi | Total |
|---|---|---|---|---|---|---|---|---|
| **Additional Environmental Records** | | | | | | | | |
| **Federal** | | | | | | | | |
| PFAS GHG | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| OSC RESPONSE | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| FINDS/FRS | Y | PO | **1** | - | - | - | - | **1** |
| TRIS | Y | PO | 0 | - | - | - | - | 0 |
| PFAS NPL | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| PFAS FED SITES | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| PFAS SSEHRI | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| PFAS ERNS | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| PFAS NPDES | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| PFAS TRI | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| PFAS WATER | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| PFAS TSCA | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| PFAS E-MANIFEST | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| PFAS IND | Y | 0.5 | 0 | 0 | **1** | **2** | - | **3** |
| HMIRS | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| NCDL | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| TSCA | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| HIST TSCA | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| FTTS ADMIN | Y | PO | 0 | - | - | - | - | 0 |
| FTTS INSP | Y | PO | 0 | - | - | - | - | 0 |
| PRP | Y | PO | 0 | - | - | - | - | 0 |
| SCRD DRYCLEANER | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| ICIS | Y | PO | 0 | - | - | - | - | 0 |
| FED DRYCLEANERS | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| DELISTED FED DRY | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| FUDS | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| FUDS MRS | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| FORMER NIKE | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| PIPELINE INCIDENT | Y | PO | 0 | - | - | - | - | 0 |
| MLTS | Y | PO | 0 | - | - | - | - | 0 |
| HIST MLTS | Y | PO | 0 | - | - | - | - | 0 |
| MINES | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| SMCRA | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

| Database | Searched | Search Radius | Project Property | Within 0.12mi | 0.125mi to 0.25mi | 0.25mi to 0.50mi | 0.50mi to 1.00mi | Total |
|---|---|---|---|---|---|---|---|---|
| MRDS | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| LM SITES | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| ALT FUELS | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| CONSENT DECREES | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| AFS | Y | PO | 0 | - | - | - | - | 0 |
| SSTS | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| PCBT | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| PCB | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| POWER PLANTS | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| **State** | | | | | | | | |
| SPILLS | Y | 0.125 | **1** | 0 | - | - | - | **1** |
| BEA | Y | 1 | 0 | **2** | 0 | 0 | 0 | **2** |
| PFAS CONTAM | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| DRYCLEANERS | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| DELISTED DRYCLEANERS | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| LIEN | Y | PO | 0 | - | - | - | - | 0 |
| **Tribal** | ***No Tribal additional environmental record sources available for this State.*** | | | | | | | |
| **County** | ***No County additional environmental databases were selected to be included in the search.*** | | | | | | | |
| ***Total:*** | | | ***3*** | ***4*** | ***7*** | ***20*** | ***3*** | ***37*** |

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

# Executive Summary: Site Report Summary - Project Property

| Map Key | DB | Company/Site Name | Address | Direction | Distance (mi/ft) | Elev Diff (ft) | Page Number |
|---|---|---|---|---|---|---|---|
| 1 | FINDS/FRS | ST CLAIR COUNTY INTL | UNKNOWN<br>PORT HURON MI 00000<br>***Registry ID:*** *110038081107* | NE | 0.00 / 0.00 | 5 | 22 |
| 2 | WASTE | 5740 GRATIOT AVENUE | 5740 GRATIOT AVE<br>SAINT CLAIR MI 48079 | SW | 0.00 / 0.00 | -7 | 22 |
| 2 | SPILLS | | 5740 Gratiot Ave<br>St. Clair Township MI<br>***Incident No*** **\|** ***Rel Incident Contr:*** *26921* \| | SW | 0.00 / 0.00 | -7 | 22 |

# Executive Summary: Site Report Summary - Surrounding Properties

| Map Key | DB | Company/Site Name | Address | Direction | Distance (mi/ft) | Elev Diff (ft) | Page Number |
|---|---|---|---|---|---|---|---|
| 3 | BEA | Cleet's Car Care and Salvage | 5740 Gratiot Avenue MI 48079 | SW | 0.03 / 136.54 | -8 | 23 |
| 3 | BEA | Cleet's Car Care and Salvage | 5740 Gratiot Avenue MI 48079 | SW | 0.03 / 136.54 | -8 | 24 |
| 3 | SHWS | 5740 Gratiot Avenue | 5740 Gratiot Avenue, St Clair, MI, 48079 MI | SW | 0.03 / 136.54 | -8 | 24 |
| 4 | UST | Welser Well Drilling | 5640 GRATIOT AVE SAINT CLAIR MI 48079-1305<br>***Facility ID:*** 00012576 | SSW | 0.03 / 146.57 | -10 | 25 |
| 5 | RCRA VSQG | ORZEL AVIATION SERVICES CO | 295 AIRPORT DR KIMBALL MI 48074<br>***EPA Handler ID | Recycler Activity?:*** MIK723119434 \| NO | ENE | 0.18 / 934.90 | 4 | 26 |
| 5 | WASTE | ORZEL AVIATION SERVICES CO | 295 AIRPORT DR KIMBALL MI 48074 | ENE | 0.18 / 934.90 | 4 | 28 |
| 6 | RCRA NON GEN | HOAG CABINET SHOP INC | 5310 GRATIOT AVE SAINT CLAIR MI 48079<br>***EPA Handler ID | Recycler Activity?:*** MID005325667 \| NO | SSE | 0.21 / 1,123.26 | -5 | 28 |
| 6 | WASTE | HOAG CABINET SHOP INC | 5310 GRATIOT AVE SAINT CLAIR MI 48079 | SSE | 0.21 / 1,123.26 | -5 | 29 |
| 7 | AST | St Clair County | 275 AIRPORT DR KIMBALL MI 48074-4409<br>***Facility ID:*** 91074198<br>***Tank Alt ID | Status:*** ATK-019875-15 \| Active, ATK-105164-15 \| Active | ENE | 0.22 / 1,150.56 | 5 | 29 |
| 8 | SHWS | Airplane Crash Fuel Spill | 5700 YAGER RD., Smith Creek, MI, 48074 MI | W | 0.23 / 1,195.58 | -8 | 29 |
| 9 | PFAS IND | ST CLAIR COUNTY INTL AIRPORT | KIMBALL MI | ENE | 0.24 / 1,252.02 | 6 | 30 |
| 10 | WASTE | EARL C SMITH | 5407 GRATIOT AVE SAINT CLAIR MI 48079 | S | 0.28 / 1,484.65 | -7 | 31 |

| Map Key | DB | Company/Site Name | Address | Direction | Distance (mi/ft) | Elev Diff (ft) | Page Number |
|---|---|---|---|---|---|---|---|
| 10 | WASTE | MICHIGAN SPECIALTY COATINGS INC | 5407 GRATIOT AVE<br>SAINT CLAIR MI 48079 | S | 0.28 / 1,484.65 | -7 | 31 |
| 11 | SHWS | St Clair County Airport Property | 125 Airport Drive, Kimball, MI, 48074<br>MI | ENE | 0.29 / 1,519.65 | 3 | 31 |
| 11 | WASTE | COUNTY OF SAINT CLAIR AIRPORT FUEL FARM | 125 AIRPORT DR<br>KIMBALL MI 48074 | ENE | 0.29 / 1,519.65 | 3 | 32 |
| 12 | LUST | Wyatte Maxine | 5334 GRATIOT AVE, SAINT CLAIR, MI, 48079<br>MI<br>***Facility ID:*** 50000542 | SSE | 0.30 / 1,591.01 | -5 | 32 |
| 13 | SHWS | Wyatte, Maxine | 5334 GRATIOT, St. Clair, MI, 48079<br>MI | SSE | 0.32 / 1,680.69 | -5 | 34 |
| 14 | PFAS IND | REELING SYSTEMS LLC | SAINT CLAIR MI | SSE | 0.32 / 1,685.17 | -5 | 35 |
| 15 | WASTE | SIERRA AIR INC | 177 ASH DR<br>SMITHS CREEK MI 48074 | ENE | 0.34 / 1,772.00 | 7 | 36 |
| 15 | LUST | St. Claire County International Airport | 177 Ash Dr, Kimball, MI, 48074<br>MI<br>***Facility ID:*** 00004540 | ENE | 0.34 / 1,772.00 | 7 | 36 |
| 16 | PFAS IND | COUNTY OF SAINT CLAIR AIRPORT FUEL FARM | KIMBALL MI | E | 0.35 / 1,870.30 | 6 | 38 |
| 17 | WASTE | GRAHAM INTERNATIONAL | 5323 GRATIOT AVE<br>SAINT CLAIR MI 48079 | SSE | 0.36 / 1,916.75 | -4 | 39 |
| 18 | WASTE | MPP CORP | 82 AIRPORT DR<br>KIMBALL MI 48074 | E | 0.38 / 2,018.01 | 6 | 39 |
| 19 | WASTE | AUTO QUIP INC | 70 AIRPORT DR<br>KIMBALL MI 48074 | E | 0.39 / 2,066.37 | 6 | 39 |
| 20 | WASTE | J & P ELECTRICAL | 44 AIRPORT DR<br>SMITHS CREEK MI 48074 | E | 0.40 / 2,133.99 | 5 | 39 |

| Map Key | DB | Company/Site Name | Address | Direction | Distance (mi/ft) | Elev Diff (ft) | Page Number |
|---|---|---|---|---|---|---|---|
| 21 | WASTE | AUTOMOBILE METAL AUTOSHAPING | 60 AIRPORT DR<br>KIMBALL MI 48074 | E | 0.41 /<br>2,185.47 | 5 | 39 |
| 22 | WASTE | ALLIED PHOTOCHEMICAL | 48 AIRPORT DR<br>KIMBALL MI 48074 | E | 0.43 /<br>2,250.34 | 5 | 39 |
| 23 | WASTE | HEARTLAND USED CARS | 5277 GRATIOT AVE<br>SAINT CLAIR MI 48079 | SSE | 0.43 /<br>2,266.13 | -1 | 40 |
| 24 | WASTE | BATTON ENTERPRISES | 42 AIRPORT DR<br>KIMBALL MI 48074 | E | 0.44 /<br>2,341.45 | 5 | 40 |
| 25 | WASTE | AUTO & TRUCK PARTS | 12 N AIRPORT RD<br>KIMBALL MI 48074 | E | 0.47 /<br>2,503.26 | 4 | 40 |
| 26 | LUST | District 3 Warehouse | 21 AIRPORT DR NULL<br>SAINT CLAIR MI 48079<br>***Facility ID:*** 00019443 | E | 0.49 /<br>2,574.71 | 3 | 40 |
| 27 | SHWS | Logan and Son Scrap Metal Yard | 5047 Gratiot, St. Clair, MI, 48079<br>MI | ESE | 0.66 /<br>3,496.38 | 6 | 41 |
| 28 | SHWS | Former Rush Trucking | 4743 Gratiot Avenue, St Clair, MI, 48079<br>MI | E | 0.90 /<br>4,755.92 | 5 | 42 |
| 29 | DELISTED SHWS | Shell Oil - River Rouge Lubricant Oil | MI | E | 0.99 /<br>5,217.49 | 0 | 42 |

# Executive Summary: Summary by Data Source

## *Standard*

## Federal

### RCRA VSQG - RCRA Very Small Quantity Generators List

A search of the RCRA VSQG database, dated Oct 21, 2024 has found that there are 1 RCRA VSQG site(s) within approximately 0.25 miles of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| ORZEL AVIATION SERVICES CO | 295 AIRPORT DR<br>KIMBALL MI 48074 | ENE | 0.18 / 934.90 | 5 |
| | ***EPA Handler ID \| Recycler Activity?**: MIK723119434 \| NO* | | | |

### RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Oct 21, 2024 has found that there are 1 RCRA NON GEN site(s) within approximately 0.25miles of the project property.

| Lower Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| HOAG CABINET SHOP INC | 5310 GRATIOT AVE<br>SAINT CLAIR MI 48079 | SSE | 0.21 / 1,123.26 | 6 |
| | ***EPA Handler ID \| Recycler Activity?**: MID005325667 \| NO* | | | |

## State

### SHWS - Part 201 Site List

A search of the SHWS database, dated Aug 13, 2024 has found that there are 6 SHWS site(s) within approximately 1.00miles of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| St Clair County Airport Property | 125 Airport Drive, Kimball, MI, 48074<br>MI | ENE | 0.29 / 1,519.65 | 11 |
| Logan and Son Scrap Metal Yard | 5047 Gratiot, St. Clair, MI, 48079<br>MI | ESE | 0.66 / 3,496.38 | 27 |
| Former Rush Trucking | 4743 Gratiot Avenue, St Clair, MI, 48079<br>MI | E | 0.90 / 4,755.92 | 28 |

| Lower Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| 5740 Gratiot Avenue | 5740 Gratiot Avenue, St Clair, MI, 48079<br>MI | SW | 0.03 / 136.54 | 3 |

| Lower Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| Airplane Crash Fuel Spill | 5700 YAGER RD., Smith Creek, MI, 48074<br>MI | W | 0.23 / 1,195.58 | 8 |
| Wyatte, Maxine | 5334 GRATIOT, St. Clair, MI, 48079<br>MI | SSE | 0.32 / 1,680.69 | 13 |

## DELISTED SHWS - Delisted Hazardous and BEA Sites

A search of the DELISTED SHWS database, dated Aug 13, 2024 has found that there are 1 DELISTED SHWS site(s) within approximately 1.00miles of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| Shell Oil - River Rouge Lubricant Oil | MI | E | 0.99 / 5,217.49 | 29 |

## WASTE - Waste Data System

A search of the WASTE database, dated Nov 12, 2024 has found that there are 16 WASTE site(s) within approximately 0.50miles of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| ORZEL AVIATION SERVICES CO | 295 AIRPORT DR<br>KIMBALL MI 48074 | ENE | 0.18 / 934.90 | 5 |
| COUNTY OF SAINT CLAIR AIRPORT FUEL FARM | 125 AIRPORT DR<br>KIMBALL MI 48074 | ENE | 0.29 / 1,519.65 | 11 |
| SIERRA AIR INC | 177 ASH DR<br>SMITHS CREEK MI 48074 | ENE | 0.34 / 1,772.00 | 15 |
| MPP CORP | 82 AIRPORT DR<br>KIMBALL MI 48074 | E | 0.38 / 2,018.01 | 18 |
| AUTO QUIP INC | 70 AIRPORT DR<br>KIMBALL MI 48074 | E | 0.39 / 2,066.37 | 19 |
| J & P ELECTRICAL | 44 AIRPORT DR<br>SMITHS CREEK MI 48074 | E | 0.40 / 2,133.99 | 20 |
| AUTOMOBILE METAL AUTOSHAPING | 60 AIRPORT DR<br>KIMBALL MI 48074 | E | 0.41 / 2,185.47 | 21 |

| Equal/Higher Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| ALLIED PHOTOCHEMICAL | 48 AIRPORT DR<br>KIMBALL MI 48074 | E | 0.43 / 2,250.34 | 22 |
| BATTON ENTERPRISES | 42 AIRPORT DR<br>KIMBALL MI 48074 | E | 0.44 / 2,341.45 | 24 |
| AUTO & TRUCK PARTS | 12 N AIRPORT RD<br>KIMBALL MI 48074 | E | 0.47 / 2,503.26 | 25 |

| Lower Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| 5740 GRATIOT AVENUE | 5740 GRATIOT AVE<br>SAINT CLAIR MI 48079 | SW | 0.00 / 0.00 | 2 |
| HOAG CABINET SHOP INC | 5310 GRATIOT AVE<br>SAINT CLAIR MI 48079 | SSE | 0.21 / 1,123.26 | 6 |
| EARL C SMITH | 5407 GRATIOT AVE<br>SAINT CLAIR MI 48079 | S | 0.28 / 1,484.65 | 10 |
| MICHIGAN SPECIALTY COATINGS INC | 5407 GRATIOT AVE<br>SAINT CLAIR MI 48079 | S | 0.28 / 1,484.65 | 10 |
| GRAHAM INTERNATIONAL | 5323 GRATIOT AVE<br>SAINT CLAIR MI 48079 | SSE | 0.36 / 1,916.75 | 17 |
| HEARTLAND USED CARS | 5277 GRATIOT AVE<br>SAINT CLAIR MI 48079 | SSE | 0.43 / 2,266.13 | 23 |

## LUST - Leaking Underground Storage Tank

A search of the LUST database, dated Jun 20, 2024 has found that there are 3 LUST site(s) within approximately 0.50miles of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| St. Claire County International Airport | 177 Ash Dr, Kimball, MI, 48074<br>MI<br>***Facility ID**: 00004540* | ENE | 0.34 / 1,772.00 | 15 |
| District 3 Warehouse | 21 AIRPORT DR NULL<br>SAINT CLAIR MI 48079 | E | 0.49 / 2,574.71 | 26 |

| Equal/Higher Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| | ***Facility ID**: 00019443* | | | |

| Lower Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| Wyatte Maxine | 5334 GRATIOT AVE, SAINT CLAIR, MI, 48079<br>MI<br>***Facility ID**: 50000542* | SSE | 0.30 / 1,591.01 | 12 |

### UST - Underground Storage Tank

A search of the UST database, dated Sep 26, 2024 has found that there are 1 UST site(s) within approximately 0.25miles of the project property.

| Lower Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| Welser Well Drilling | 5640 GRATIOT AVE<br>SAINT CLAIR MI 48079-1305<br>***Facility ID**: 00012576* | SSW | 0.03 / 146.57 | 4 |

### AST - Aboveground Storage Tanks

A search of the AST database, dated Oct 31, 2024 has found that there are 1 AST site(s) within approximately 0.25miles of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| St Clair County | 275 AIRPORT DR<br>KIMBALL MI 48074-4409<br>***Facility ID**: 91074198*<br>***Tank Alt ID** | **Status**: ATK-019875-15 \| Active, ATK-105164-15 \| Active* | ENE | 0.22 / 1,150.56 | 7 |

## *Non Standard*

## Federal

### FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Aug 1, 2024 has found that there are 1 FINDS/FRS site(s) within approximately 0.02miles of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| ST CLAIR COUNTY INTL | UNKNOWN<br>PORT HURON MI 00000<br>***Registry ID**: 110038081107* | NE | 0.00 / 0.00 | 1 |

### PFAS IND - PFAS Industry Sectors

A search of the PFAS IND database, dated Sep 23, 2024 has found that there are 3 PFAS IND site(s) within approximately 0.50miles of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| ST CLAIR COUNTY INTL AIRPORT | KIMBALL MI | ENE | 0.24 / 1,252.02 | 9 |

| Equal/Higher Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| COUNTY OF SAINT CLAIR AIRPORT FUEL FARM | KIMBALL MI | E | 0.35 / 1,870.30 | 16 |

| Lower Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| REELING SYSTEMS LLC | SAINT CLAIR MI | SSE | 0.32 / 1,685.17 | 14 |

## State

### SPILLS - Pollution Emergency Alerting (PEAS)

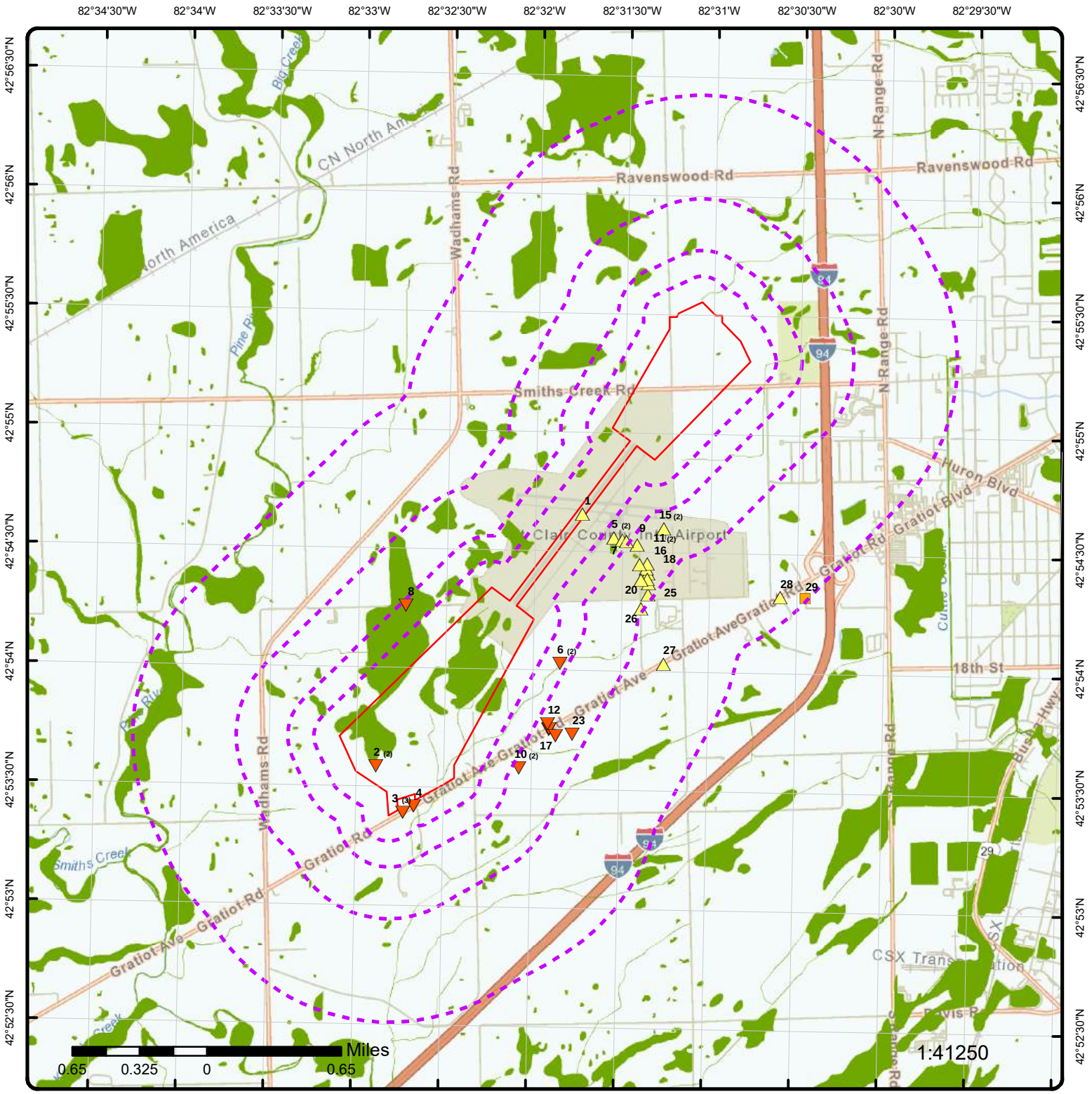
A search of the SPILLS database, dated Sep 27, 2024 has found that there are 1 SPILLS site(s) within approximately 0.12miles of the project property.

| Lower Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| | 5740 Gratiot Ave<br>St. Clair Township MI | SW | 0.00 / 0.00 | 2 |
| | ***Incident No*** **\|** ***Rel Incident Contr****: 26921* \| | | | |

### BEA - Baseline Environmental Assessment

A search of the BEA database, dated Dec 17, 2020 has found that there are 2 BEA site(s) within approximately 1.00miles of the project property.

| Lower Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| Cleet's Car Care and Salvage | 5740 Gratiot Avenue<br>MI 48079 | SW | 0.03 / 136.54 | 3 |
| Cleet's Car Care and Salvage | 5740 Gratiot Avenue<br>MI 48079 | SW | 0.03 / 136.54 | 3 |

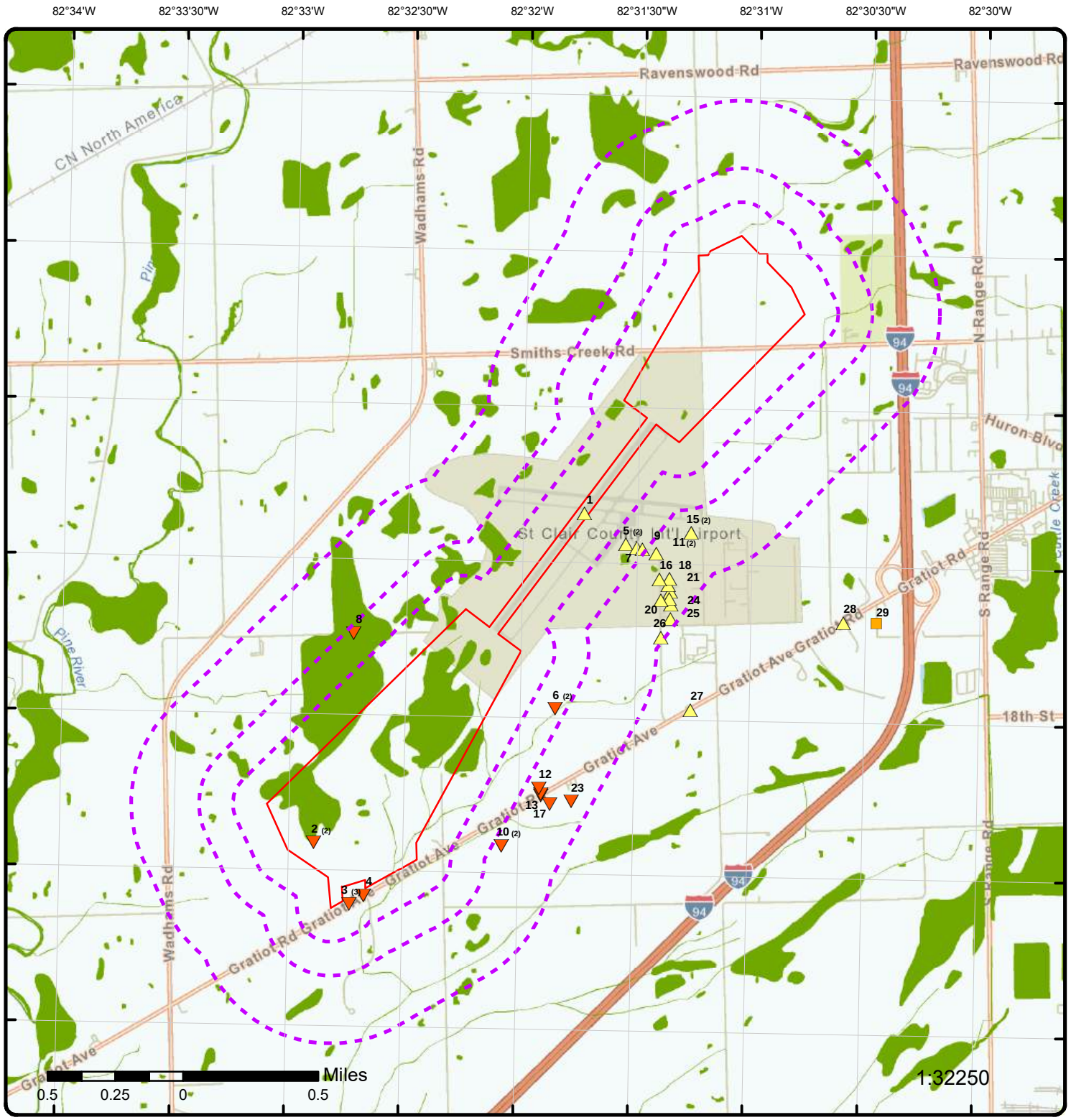



# Map: 1.0 Mile Radius

Order Number: 24121900277

Address: St. Clair County International Airport (PHN), Smiths Creek, MI

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

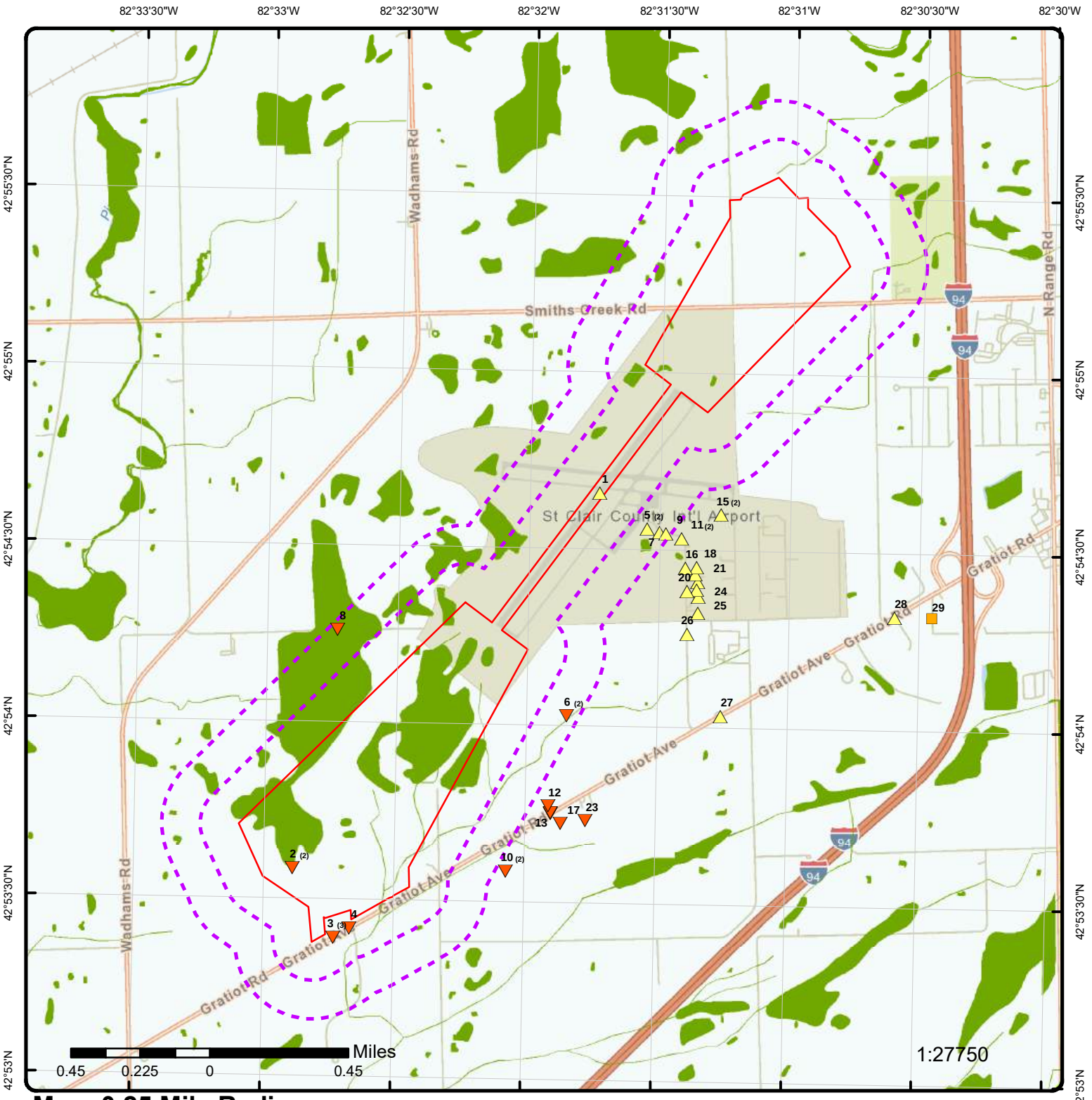



# Map: 0.5 Mile Radius

Order Number: 24121900277

Address: St. Clair County International Airport (PHN), Smiths Creek, MI

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

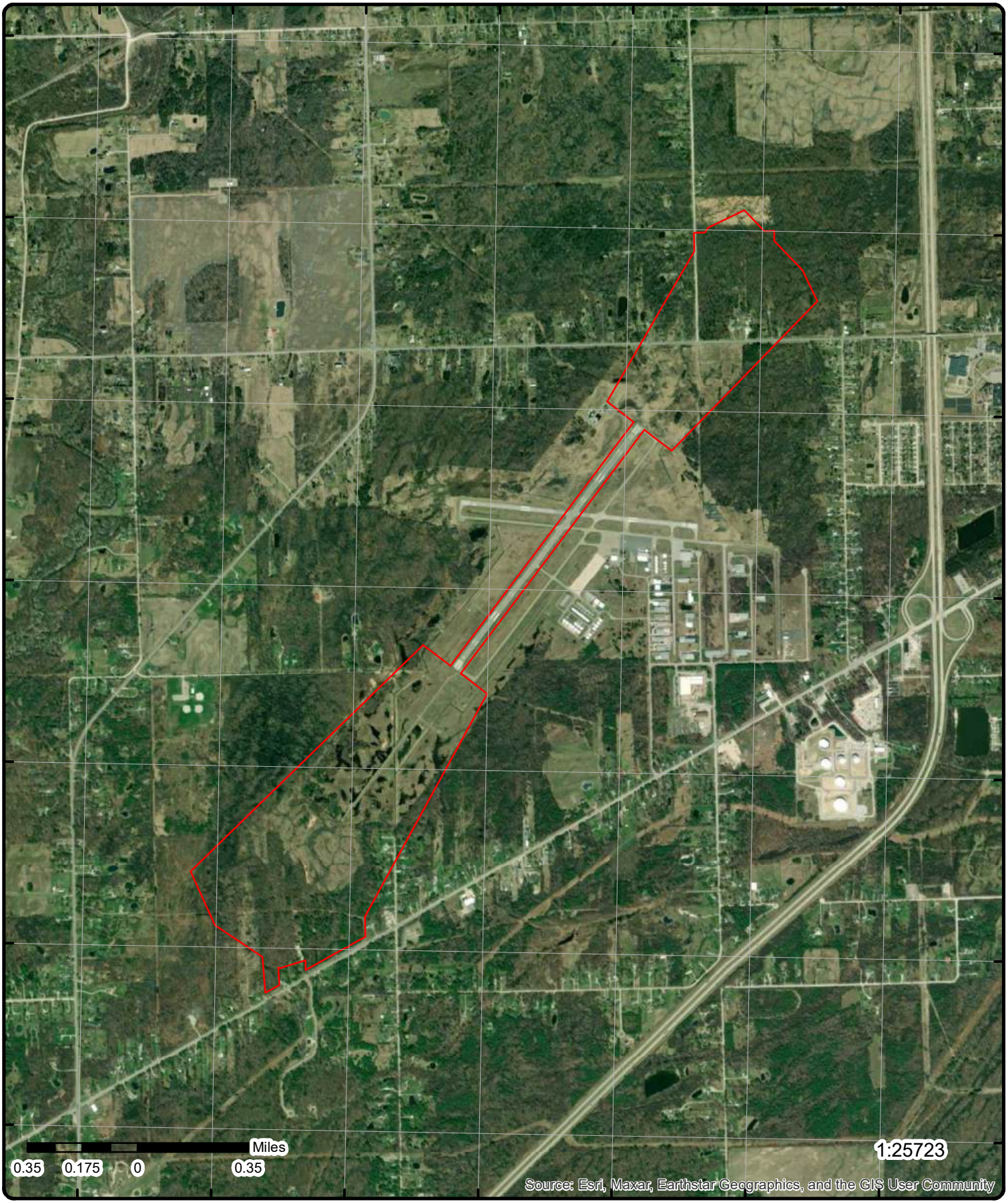



# Map: 0.25 Mile Radius

Order Number: 24121900277

Address: St. Clair County International Airport (PHN), Smiths Creek, MI

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

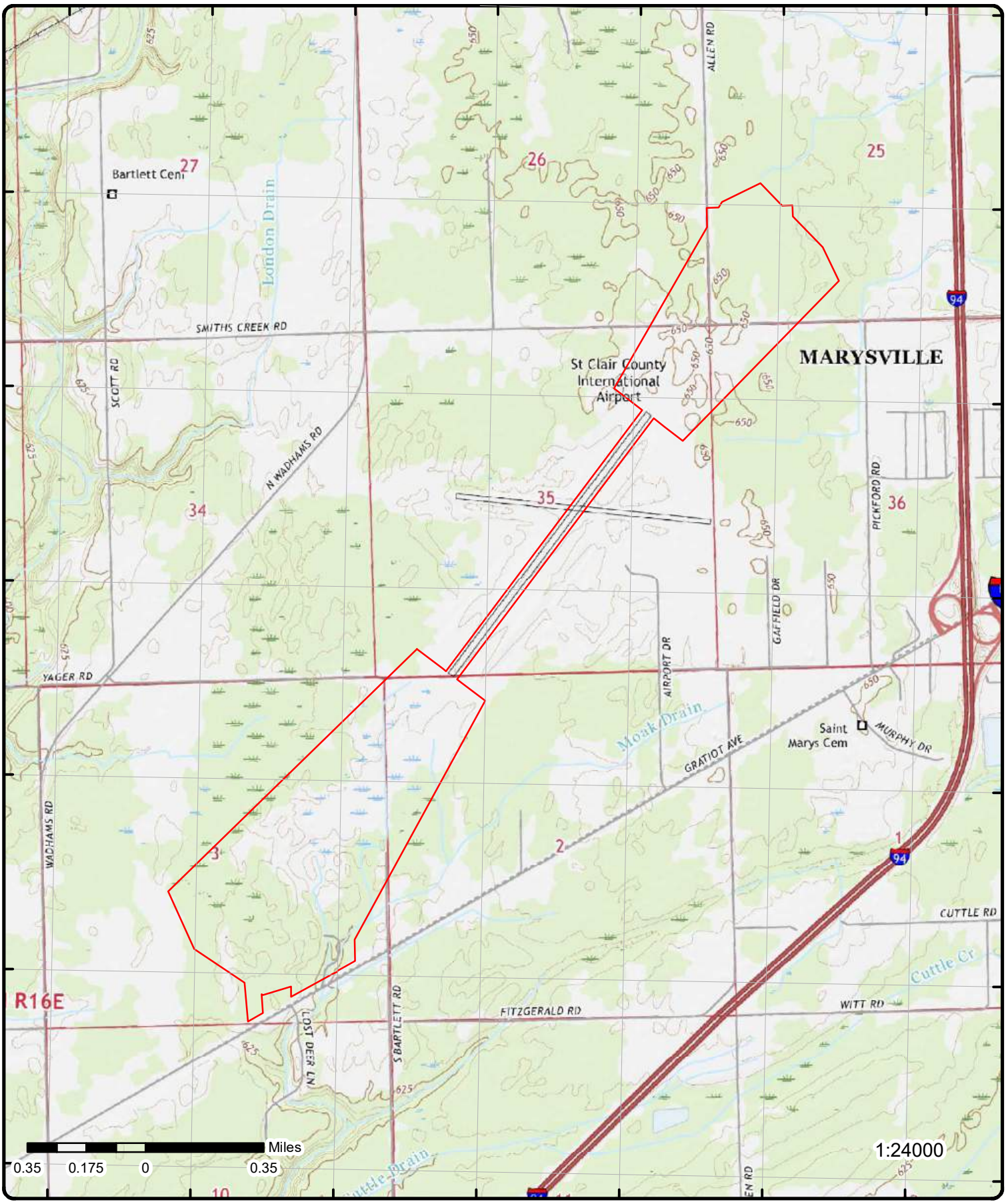



# Aerial **Year: 2023**

Order Number: 24121900277

Address: St. Clair County International Airport (PHN), Smiths Creek, MI

**Source:** ESRI World Imagery




# Topographic Map

**Year: 2019**

Order Number: 24121900277

Address: St. Clair County International Airport (PHN), MI

Quadrangle(s): Smiths Creek MI, Port Huron MI,ON, Rattle Run MI

**Source:** USGS Topographic Map

ERIS

# Detail Report

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|
| 1 | 1 of 1 | NE | 0.00 / 0.00 | 646.94 / 5 | ST CLAIR COUNTY INTL<br>UNKNOWN<br>PORT HURON MI 00000 | FINDS/FRS |

| | |
|---|---|
| **Registry ID:** | 110038081107 |
| **FIPS Code:** | 26147 |
| **HUC Code:** | 04090001 |
| **Site Type Name:** | STATIONARY |
| **Location Description:** | |
| **Supplemental Location:** | |
| **Create Date:** | 18-FEB-09 |
| **Update Date:** | 01-JUN-17 |
| **Interest Types:** | AIR EMISSIONS CLASSIFICATION UNKNOWN |
| **SIC Codes:** | |
| **SIC Code Descriptions:** | |
| **NAICS Codes:** | |
| **NAICS Code Descriptions:** | |
| **Conveyor:** | EIS |
| **Federal Facility Code:** | |
| **Federal Agency Name:** | |
| **Tribal Land Code:** | |
| **Tribal Land Name:** | |
| **Congressional Dist No:** | 10 |
| **Census Block Code:** | 261476346001021 |
| **EPA Region Code:** | 05 |
| **County Name:** | ST. CLAIR |
| **US/Mexico Border Ind:** | |
| **Latitude:** | 42.91096 |
| **Longitude:** | -82.52886 |
| **Reference Point:** | |
| **Coord Collection Method:** | |
| **Accuracy Value:** | |
| **Datum:** | NAD83 |
| **Source:** | |
| **Facility Detail Rprt URL:** | https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110038081107 |
| **Data Source:** | Facility Registry Service - Single File |
| **Program Acronyms:** | |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|
| 2 | 1 of 2 | SW | 0.00 / 0.00 | 634.80 / -7 | 5740 GRATIOT AVENUE<br>5740 GRATIOT AVE<br>SAINT CLAIR MI 48079 | WASTE |

| | |
|---|---|
| **WDS ID:** | 466533 |
| **Site ID:** | |
| **County:** | ST CLAIR |
| **Legal Name:** | 5740 GRATIOT AVENUE |
| **Contact Name:** | |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|
| 2 | 2 of 2 | SW | 0.00 / 0.00 | 634.80 / -7 | 5740 Gratiot Ave<br>St. Clair Township MI | SPILLS |

| | | | |
|---|---|---|---|
| **Incident No:** | 26921 | **GF Comp Date:** | |
| **Incident No Related:** | | **Weather or Wind:** | |
| **Complainant Type:** | | **Wind Direction:** | |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|

| | | | |
|---|---|---|---|
| **Observed Date:** | | **Rain Condition:** | |
| **Observed Time:** | | **Old Wind Direction:** | |
| **Occurred Date:** | | **Name of Water Body:** | |
| **Occurred Time:** | | **Last Updated Date:** | |
| **Date Discovered:** | | **Operator In:** | |
| **Time Dis Orig Entr:** | | **District:** | Warren (SEMI(except AQD/Wayne)) |
| **Pollutant Released:** | | **Office/After Hours:** | Office Hrs. |
| **Amt Released Air:** | | **Ambs Intake Agent:** | |
| **Amt Rel Ground:** | | **Observed Time Keep:** | |
| **Amt Rel Water:** | | **Tm Stamp Hr Orig:** | |
| **Volume Recovered:** | | **Int Time Format:** | |
| **Cleanup Comp Date:** | | **Time Corr Format:** | |
| **Rel Incident Contr:** | | **Report Date:** | 7/1/2021 |
| **Rel Inci Contr De:** | | **Time Stamp:** | |
| **Incident Ongoing:** | | **PEAS Dispatcher:** | AP - EAC |
| **Source:** | GF | **Special Referral:** | |
| **Agencies Notified:** | | **Date and Time Stamp:** | |
| **Date Rec DEQ Staff:** | | **Optrinit:** | |
| **Time Rec DEQ Staff:** | | **Optrno:** | |
| **Div or On-Call:** | | **Smu3init:** | |
| **Time DEQ Paged:** | | **Pecctime:** | |
| **AMBS Time DEQ Call:** | | **Peccdate:** | |
| **No Staff Contacts:** | | **District Backup:** | |
| **Post Review Init:** | | **Incident Township:** | |
| **Referral Notes:** | | **Incident County:** | St. Clair |
| **Cleanup Contractor:** | | **Latitude:** | |
| **PWS:** | | **Longitude:** | |
| **Material Released:** | Diesel fuel/vehicle liquids and components | | |
| **Cleanup Efforts:** | | | |
| **Incident Cross Str:** | | | |
| **Party Involved Type:** | | | |
| **Party Inv. Contact:** | | | |
| **Party Inv Company:** | | | |
| **Party Inv. Phone 1:** | | | |
| **Party Inv. Phone 2:** | | | |
| **Party Inv Address:** | | | |
| **Party Inv City:** | | | |
| **Party Inv. State:** | | | |
| **Party Inv. Zip:** | | | |
| **Complaint Employer:** | | | |
| **Complainant City:** | | | |
| **Complainant State:** | | | |
| **Zip Complainant:** | | | |
| **Complainant Name:** | | | |
| **Complainant Phone 1:** | | | |
| **Complainant Phone 2:** | | | |
| **Complainant Street Address:** | | | |
| **Emergency Crews:** | | | |
| **Description - 1:** | | | |
| **Description - 2:** | | | |
| **Description - 3:** | | | |
| **Description - 4:** | | | |
| **Description - 5:** | | | |
| **Description - 6:** | | | |
| **Brief Description:** | | | |
| **Peas Admin Section:** | | | |
| **Sensitive Information:** | | | |
| **DEQ Primary:** | | | |
| **Lead Division 1:** | MMD | | |
| **Lead Division 2:** | | | |
| **Source File:** | | | |
| **Description 1 (2):** | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **3** | ***1 of3*** | ***SW*** | ***0.03 / 136.54*** | ***633.75 / -8*** | ***Cleet's Car Care and Salvage<br>5740 Gratiot Avenue<br>MI 48079*** | ***BEA*** |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|

| | | | |
|---|---|---|---|
| **Facility ID (Web):** | | **Facility ID (Map):** | |
| **Bea No (Web):** | 200502782LV | **Bea No (Map):** | 200502782LV |
| **Fac Name (Web):** | Cleet's Car Care and Salvage | **Fac Name (Map):** | Cleet's Car Care and Salvage |
| **Address (Web):** | 5740 Gratiot Avenue | **Address (Map):** | 5740 Gratiot Ave |
| **City (Web):** | | **City (Map):** | Saint Clair |
| **Zip (Web):** | 48079 | **Zip (Map):** | 48079 |
| **County (Web):** | Saint Clair | **County (Map):** | Saint Clair |
| **Township (Web):** | St. Clair Twp | **Township (Map):** | St. Clair Twp |
| **District (Web):** | Southeast MI | **District (Map):** | Southeast MI |
| **Latitude (Web):** | | **Latitude (Map):** | 42.88867752 |
| **Longitude (Web):** | | **Longitude (Map):** | -82.54819278 |
| **Data Source (Web):** | BEA | **Data Source (Map):** | BEA |
| **Accuracy:** | | **Method of Collect:** | Geocode |
| **Facility 2:** | | **Object ID:** | 9601 |
| **Source:** | | **ID:** | 13217 |
| **Submitted:** | | | |
| **Source:** | DEQ Inventory of Facilities (Web); DEQ Baseline Environmental Assessment Sites (Map) | | |

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| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|
| 3 | 2 of3 | SW | 0.03 / 136.54 | 633.75 / -8 | **Cleet's Car Care and Salvage**<br>**5740 Gratiot Avenue**<br>**MI 48079** | BEA |

| | | | |
|---|---|---|---|
| **Facility ID (Web):** | | **Facility ID (Map):** | |
| **Bea No (Web):** | 200502783LV | **Bea No (Map):** | 200502783LV |
| **Fac Name (Web):** | Cleet's Car Care and Salvage | **Fac Name (Map):** | Cleet's Car Care and Salvage |
| **Address (Web):** | 5740 Gratiot Avenue | **Address (Map):** | 5740 Gratiot Ave |
| **City (Web):** | | **City (Map):** | Saint Clair |
| **Zip (Web):** | 48079 | **Zip (Map):** | 48079 |
| **County (Web):** | Saint Clair | **County (Map):** | Saint Clair |
| **Township (Web):** | St. Clair Twp | **Township (Map):** | St. Clair Twp |
| **District (Web):** | Southeast MI | **District (Map):** | Southeast MI |
| **Latitude (Web):** | | **Latitude (Map):** | 42.88867752 |
| **Longitude (Web):** | | **Longitude (Map):** | -82.54819278 |
| **Data Source (Web):** | BEA | **Data Source (Map):** | BEA |
| **Accuracy:** | | **Method of Collect:** | Geocode |
| **Facility 2:** | | **Object ID:** | 9602 |
| **Source:** | | **ID:** | 13218 |
| **Submitted:** | | | |
| **Source:** | DEQ Inventory of Facilities (Web); DEQ Baseline Environmental Assessment Sites (Map) | | |

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| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|
| 3 | 3 of3 | SW | 0.03 / 136.54 | 633.75 / -8 | **5740 Gratiot Avenue**<br>**5740 Gratiot Avenue, St Clair, MI, 48079**<br>**MI** | SHWS |

| | | | |
|---|---|---|---|
| **EPA ID:** | | **Facility ID (Web):** | 74500111 |
| **EGLE District:** | Warren | **Site ID (Map):** | 74500111 |
| **House District:** | Rachel Hood | **Regulatory Program:** | 201 |
| **Senate District:** | Dan Lauwers | **Lust Name:** | |
| **Hrz Acc MS:** | 20 | **Project Manager:** | Ebaugh, Emily |
| **Scale No:** | 24000 | **Release Status:** | |
| **Point X:** | -82.54804571960638 | **Point Y:** | 42.890136971644 |
| **Last Updated:** | 4/4/2023, 8:00 PM | **Has BEA or NOM:** | YES |
| **Fac Name (Web):** | 5740 Gratiot Avenue | | |
| **Address (Web):** | 5740 Gratiot Avenue, St Clair, MI, 48079 | | |
| **City (Web):** | St Clair | | |
| **Township (Web):** | St Clair | | |
| **County (Web):** | St. Clair | | |
| **Latitude (Web):** | 42.89014527 | | |
| **Longitude (Web):** | -82.54805003 | | |
| **Site Name (Map):** | 5740 Gratiot Avenue | | |
| **Address (Map):** | 5740 Gratiot Avenue | | |
| **City (Map):** | St Clair | | |
| **Zip Code (Map):** | 48079 | | |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|

| | |
|---|---|
| **County (Map):** | St. Clair |
| **Latitude (Map):** | 42.89014527 |
| **Longitude (Map):** | -82.54805003 |
| **US Congressional District:** | John James |
| **H Ref Datum:** | North American Datum of 1983 |
| **H Ref Moc:** | The geographic coordinate determination method based on interpolation-photo. |
| **OS Descrip:** | Risks Present and Require Action in Short-term |
| **Ref Desc:** | Center of a facility or station |
| **Risk Condition:** | Risks Present and Require Action in Short-term |
| **Contaminants:** | Elements/Metals/Other Inorganics, Lead, Mercury, Petroleum Volatile and Semi Volatile Organic Compounds |
| **Business Type:** | Auto Repair and Salvage, Landfill |
| **Data Source:** | DEQ Inventory of Facilities (Web); DEQ Sites of Environmental Contamination, Part 201 (Map) |
| **Note:** | EGLE's Remediation and Redevelopment Division (RRD) is undertaking an effort to digitize records and make them available to the public through an online portal Remediation Information Data Exchange (RIDE).<br>Documents related to facilities regulated under Part 201, Environmental Remediation, can be found by searching RIDE: https://www.egle.state.mi.us/RIDE/inventory-of-facilities/facilities<br>Information about how to access the documents can be found at the url below; the guidance explains that not all paper files have been digitized, and files not found in RIDE can be requested via Freedom of Information Act (FOIA) request.<br>https://www.michigan.gov/egle/maps-data/ride/accessing-electronic-documents-guidance |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|
| 4 | 1 of1 | SSW | 0.03 / 146.57 | 631.24 / -10 | Welser Well Drilling<br>5640 GRATIOT AVE<br>SAINT CLAIR MI 48079-1305 | UST |

**Facility ID:** 00012576

***Underground Tank List - Inactive - Removed from Ground***

| | | | |
|---|---|---|---|
| **New Tank ID No:** | UTK-103587-15 | **Tank Capacity:** | 1000 |
| **Old Tank ID No:** | 2 | **Tank Compartments:** | |
| **Facility Status:** | Inactive | **Tank Content:** | Gasoline |
| **Tank Status:** | Removed from Ground | **Piping Piping Mat:** | Galvanized Steel |
| **Tank Install Date:** | 03/27/1979 | **Piping Piping Type:** | |
| **Tank Removal Date:** | 12/01/1989 | **Impressed Current:** | |
| **Tank Release Detection:** | | | |
| **Tank Construction:** | Asphalt Coated or Bare Steel | | |
| **Piping Piping Rel Detection:** | | | |
| **Owner Name:** | Welser Well Drilling | | |
| **Owner Address:** | 5640 Gratiot Ave | | |
| **Owner City:** | St Clair | | |
| **Owner State:** | MI | | |
| **Owner Zip:** | 48079-1305 | | |
| **Owner Phone:** | 3133646361 | | |
| **Facility Name:** | Welser Well Drilling | | |
| **Fac Street No:** | 5640 | | |
| **Fac Street Direc:** | | | |
| **Fac Street Name:** | GRATIOT | | |
| **Fac Suffix Type:** | AVE | | |
| **Fac Suffix Direc:** | | | |
| **Facility City:** | SAINT CLAIR | | |
| **Facility State:** | MI | | |
| **Facility Zip:** | 48079-1305 | | |
| **Facility County:** | St. Clair | | |
| **Facility Region:** | 2 | | |

***Underground Tank List - Inactive - Removed from Ground***

| | | | |
|---|---|---|---|
| **New Tank ID No:** | UTK-103584-15 | **Tank Capacity:** | 1000 |
| **Old Tank ID No:** | 1 | **Tank Compartments:** | |
| **Facility Status:** | Inactive | **Tank Content:** | Gasoline |
| **Tank Status:** | Removed from Ground | **Piping Piping Mat:** | Galvanized Steel |
| **Tank Install Date:** | 03/26/1981 | **Piping Piping Type:** | |
| **Tank Removal Date:** | 12/01/1989 | **Impressed Current:** | |
| **Tank Release Detection:** | | | |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|

| | |
|---|---|
| **Tank Construction:** | Asphalt Coated or Bare Steel |
| **Piping Piping Rel Detection:** | |
| **Owner Name:** | Welser Well Drilling |
| **Owner Address:** | 5640 Gratiot Ave |
| **Owner City:** | St Clair |
| **Owner State:** | MI |
| **Owner Zip:** | 48079-1305 |
| **Owner Phone:** | 3133646361 |
| **Facility Name:** | Welser Well Drilling |
| **Fac Street No:** | 5640 |
| **Fac Street Direc:** | |
| **Fac Street Name:** | GRATIOT |
| **Fac Suffix Type:** | AVE |
| **Fac Suffix Direc:** | |
| **Facility City:** | SAINT CLAIR |
| **Facility State:** | MI |
| **Facility Zip:** | 48079-1305 |
| **Facility County:** | St. Clair |
| **Facility Region:** | 2 |

***Underground Storage Tanks Part 211 (Map)***

| | | | |
|---|---|---|---|
| **Owner ID:** | 0 | **Latitude:** | 42.891405 |
| **Active Site:** | No | **Longitude:** | -82.542325 |
| **Closed Site:** | Yes | **H Datum:** | North |
| **Open LUST:** | No | **Accuracy:** | 100 |
| **Closed LUST:** | No | | |

| | |
|---|---|
| **Acc Unit:** | METERS |
| **Fac Name:** | Welser Well Drilling |
| **Address:** | 5640 GRATIOT AVE |
| **City:** | SAINT CLAIR |
| **County:** | St. Clair |
| **District Name:** | Warren |
| **Zip code:** | 48079 |
| **Desc Cater:** | |
| **Collection Method:** | The geographic coordinate determination method bas |

***EGLE Remediation Information Data Exchange Part 211 (RIDE)***

| | | | |
|---|---|---|---|
| **Regulatory Program:** | 211 | **Senate District:** | |
| **Release Status:** | | **House District:** | |
| **Risk Condition:** | No Known Risks | **US Congress Dist:** | |
| **Project Manager:** | Kohloff, Courtney | **Latitude:** | 42.891405 |
| **EGLE District:** | Warren | **Longitude:** | -82.542325 |

| | |
|---|---|
| **Facility Name:** | Welser Well Drilling |
| **Full Address:** | 5640 GRATIOT AVE, SAINT CLAIR, MI, 48079 |
| **City:** | SAINT CLAIR |
| **Township:** | |
| **County:** | St. Clair |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|
| 5 | 1 of2 | ENE | 0.18 / 934.90 | 646.07 / 4 | ORZEL AVIATION SERVICES CO<br>295 AIRPORT DR<br>KIMBALL MI 48074 | RCRA VSQG |

| | |
|---|---|
| **EPA Handler ID:** | MIK723119434 |
| **Gen Status Universe:** | VSG |
| **Contact Name:** | SUSAN LEMERAND |
| **Contact Address:** | 295 AIRPORT DR , , KIMBALL , MI, 48074 , US |
| **Contact Phone No and Ext:** | 810-364-4187 |
| **Contact Email:** | |
| **Contact Country:** | US |
| **County Name:** | ST CLAIR |
| **EPA Region:** | 05 |
| **Land Type:** | Private |
| **Receive Date:** | 20080603 |
| **Location Latitude:** | 42.909612 |

**Location Longitude:** -82.525385
**Recycler Activity?:** NO
**Recycler Activity Note:** This facility has no indication of Recycling Activity.

***Violation/Evaluation Summary***

**Note:** NO RECORDS: As of Oct 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

***Handler Summary***

**Importer Activity:** No
**Mixed Waste Generator:** No
**Transporter Activity:** No
**Transfer Facility:** No
**Onsite Burner Exemption:** No
**Furnace Exemption:** No
**Underground Injection Activity:** No
**Commercial TSD:** No
**Used Oil Transporter:** No
**Used Oil Transfer Facility:** No
**Used Oil Processor:** No
**Used Oil Refiner:** No
**Used Oil Burner:** No
**Used Oil Market Burner:** No
**Used Oil Spec Marketer:** No
**Recycler Activity:** No
**Recycler Act W.O. Storage:** No

***Hazardous Waste Handler Details***

**Sequence No:** 1
**Receive Date:** 20080603
**Handler Name:** ORZEL AVIATION SERVICES CO
**Federal Waste Generator Code:** 3
**Generator Code Description:** Very Small Quantity Generator
**Source Type:** Notification

***Waste Code Details***

**Hazardous Waste Code:** D001
**Waste Code Description:** IGNITABLE WASTE

***Owner/Operator Details***

| | | | |
|---|---|---|---|
| **Owner/Operator Ind:** | Current Operator | **Street No:** | |
| **Type:** | Private | **Street 1:** | |
| **Name:** | ORZEL AVIATION SVCS CO | **Street 2:** | |
| **Date Became Current:** | 19830802 | **City:** | |
| **Date Ended Current:** | | **State:** | |
| **Phone:** | | **Country:** | |
| **Source Type:** | Notification | **Zip Code:** | |
| **Owner/Operator Ind:** | Current Owner | **Street No:** | |
| **Type:** | Private | **Street 1:** | |
| **Name:** | ORZEL AVIATION SVCS CO | **Street 2:** | |
| **Date Became Current:** | 19830802 | **City:** | |
| **Date Ended Current:** | | **State:** | |
| **Phone:** | | **Country:** | |
| **Source Type:** | Notification | **Zip Code:** | |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|
| 5 | 2 of2 | ENE | 0.18 / 934.90 | 646.07 / 4 | ORZEL AVIATION SERVICES CO<br>295 AIRPORT DR<br>KIMBALL MI 48074 | WASTE |

**WDS ID:** 484405
**Site ID:** MIK723119434
**County:** ST CLAIR
**Legal Name:** ORZEL AVIATION SERVICES CO
**Contact Name:**

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|
| 6 | 1 of2 | SSE | 0.21 / 1,123.26 | 636.41 / -5 | HOAG CABINET SHOP INC<br>5310 GRATIOT AVE<br>SAINT CLAIR MI 48079 | RCRA NON GEN |

**EPA Handler ID:** MID005325667
**Gen Status Universe:** No Report
**Contact Name:** PAUL HOAG
**Contact Address:** 5310 GRATIOT AVE , , SAINT CLAIR , MI, 48079 , US
**Contact Phone No and Ext:** 313-364-6100
**Contact Email:**
**Contact Country:** US
**County Name:** ST CLAIR
**EPA Region:** 05
**Land Type:** Private
**Receive Date:** 19800923
**Location Latitude:**
**Location Longitude:**
**Recycler Activity?:** NO
**Recycler Activity Note:** This facility has no indication of Recycling Activity.

***Violation/Evaluation Summary***

**Note:** NO RECORDS: As of Oct 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

***Handler Summary***

**Importer Activity:** No
**Mixed Waste Generator:** No
**Transporter Activity:** No
**Transfer Facility:** No
**Onsite Burner Exemption:** No
**Furnace Exemption:** No
**Underground Injection Activity:** No
**Commercial TSD:** No
**Used Oil Transporter:** No
**Used Oil Transfer Facility:** No
**Used Oil Processor:** No
**Used Oil Refiner:** No
**Used Oil Burner:** No
**Used Oil Market Burner:** No
**Used Oil Spec Marketer:** No
**Recycler Activity:** No
**Recycler Activity Without Storage:** No

***Hazardous Waste Handler Details***

**Sequence No:** 1
**Receive Date:** 19800923
**Handler Name:** HOAG CABINET SHOP INC
**Source Type:** Notification
**Federal Waste Generator Code:** N
**Generator Code Description:** Not a Generator, Verified

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|

***Waste Code Details***

***Hazardous Waste Code:*** D001
***Waste Code Description:*** IGNITABLE WASTE

***Owner/Operator Details***

***Owner/Operator Ind:*** Current Owner
***Type:*** Private
***Name:*** CORPORATION
***Date Became Current:*** 19700101
***Date Ended Current:***
***Phone:***
***Source Type:*** Notification

***Street No:***
***Street 1:***
***Street 2:***
***City:***
***State:***
***Country:***
***Zip Code:***

***Owner/Operator Ind:*** Current Operator
***Type:*** Private
***Name:*** ALBERT J HOAG
***Date Became Current:*** 19700101
***Date Ended Current:***
***Phone:***
***Source Type:*** Notification

***Street No:***
***Street 1:***
***Street 2:***
***City:***
***State:***
***Country:***
***Zip Code:***

---

**6** | ***2 of2*** | ***SSE*** | ***0.21 / 1,123.26*** | ***636.41 / -5*** | ***HOAG CABINET SHOP INC***
***5310 GRATIOT AVE***
***SAINT CLAIR MI 48079*** | ***WASTE***

***WDS ID:*** 393203
***Site ID:*** MID005325667
***County:*** ST CLAIR
***Legal Name:*** HOAG CABINET SHOP INC
***Contact Name:***

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**7** | ***1 of1*** | ***ENE*** | ***0.22 / 1,150.56*** | ***646.68 / 5*** | ***St Clair County***
***275 AIRPORT DR***
***KIMBALL MI 48074-4409*** | ***AST***

***Facility ID:*** 91074198
***Facility County:*** St. Clair

***Tank Info***

***Tank Alt ID:*** ATK-019875-15
***Tank Install Dt:*** 10/30/1996
***Details Status:*** Currently In Use
***Status:*** Active

***Tank Alt ID:*** ATK-105164-15
***Tank Install Dt:*** 10/30/1996
***Details Status:*** Currently In Use
***Status:*** Active

***Owner Info***

***Owner Name:*** St Clair County
***Owner Address 1:*** 200 Grand River Ste 203
***Owner City:*** Port Huron
***Owner State:*** MI
***Owner Zip:*** 48060
***Owner Phone:*** 8109896900

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**8** | ***1 of1*** | ***W*** | ***0.23 / 1,195.58*** | ***634.05 / -8*** | ***Airplane Crash Fuel Spill***
***5700 YAGER RD., Smith Creek, MI, 48074***
***MI*** | ***SHWS***

***EPA ID:***
***Facility ID (Web):*** 74000150

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|

| | | | |
|---|---|---|---|
| **EGLE District:** | Warren | **Site ID (Map):** | 74000150 |
| **House District:** | Jimmie Wilson Jr. | **Regulatory Program:** | 201 |
| **Senate District:** | Dan Lauwers | **Lust Name:** | |
| **Hrz Acc MS:** | 15 | **Project Manager:** | Ebaugh, Emily |
| **Scale No:** | 24000 | **Release Status:** | |
| **Point X:** | -82.53945769100773 | **Point Y:** | 42.903725698834364 |
| **Last Updated:** | 2/1/2021, 7:00 PM | **Has BEA or NOM:** | NO |

| | |
|---|---|
| **Fac Name (Web):** | Airplane Crash Fuel Spill |
| **Address (Web):** | 5700 YAGER RD., Smith Creek, MI, 48074 |
| **City (Web):** | Smith Creek |
| **Township (Web):** | |
| **County (Web):** | St. Clair |
| **Latitude (Web):** | 42.903734 |
| **Longitude (Web):** | -82.539462 |
| **Site Name (Map):** | Airplane Crash Fuel Spill |
| **Address (Map):** | 5700 YAGER RD. |
| **City (Map):** | Smith Creek |
| **Zip Code (Map):** | 48074 |
| **County (Map):** | St. Clair |
| **Latitude (Map):** | 42.903734 |
| **Longitude (Map):** | -82.539462 |
| **US Congressional District:** | John James |
| **H Ref Datum:** | North American Datum of 1983 |
| **H Ref Moc:** | The geographic coordinate determination method based on interpolation-map |
| **OS Descrip:** | Risks Not Determined |
| **Ref Desc:** | Center of a facility or station |
| **Risk Condition:** | Risks Not Determined |
| **Contaminants:** | |
| **Business Type:** | |
| **Data Source:** | DEQ Inventory of Facilities (Web); DEQ Sites of Environmental Contamination, Part 201 (Map) |
| **Note:** | EGLE's Remediation and Redevelopment Division (RRD) is undertaking an effort to digitize records and make them available to the public through an online portal Remediation Information Data Exchange (RIDE). Documents related to facilities regulated under Part 201, Environmental Remediation, can be found by searching RIDE: https://www.egle.state.mi.us/RIDE/inventory-of-facilities/facilities Information about how to access the documents can be found at the url below; the guidance explains that not all paper files have been digitized, and files not found in RIDE can be requested via Freedom of Information Act (FOIA) request. https://www.michigan.gov/egle/maps-data/ride/accessing-electronic-documents-guidance |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|
| 9 | 1 of1 | ENE | 0.24 / 1,252.02 | 647.45 / 6 | ST CLAIR COUNTY INTL AIRPORT<br>KIMBALL MI | PFAS IND |

| | | | |
|---|---|---|---|
| **Status:** | Active | **Fac Fips Code:** | 26147 |
| **Fac Indian Cntry Flg:** | No | **Compliance Status:** | No Violation Identified |
| **Fac Derived Huc:** | 04090001 | **EPA Programs:** | CWA |
| **Fac Derived Wbd:** | 040900010306 | **Federal Facility:** | No |
| **Fac Derived Cd113:** | 10 | **Federal Agency:** | - |
| **Fac Derived Cb2010:** | 261476346001021 | **Fac Snc Flg:** | No |
| **Fac Informal Count:** | 0 | **AIR Flag:** | No |
| **Last Informal Action:** | 3/26/2019 | **NPDES Flag:** | Yes |
| **Formal Action Count:** | 0 | **SDWIS Flag:** | No |
| **Last Formal Action:** | - | **RCRAFlag:** | No |
| **Fac Total Penalties:** | 0 | **TRI Flag:** | No |
| **Fac Penalty Count:** | - | **GHG Flag:** | No |
| **Date Last Penalty:** | - | **TRI IDs:** | - |
| **Last Penalty Amt:** | - | **TRI Releases Trnsfrs:** | - |
| **Fac Qtrs With Nc:** | 4 | **TRI on Site Releases:** | - |
| **Programs With Snc:** | 0 | **TRI off Site Trnsfrs:** | - |
| **Fac Percent Minority:** | 4.561 | **TRI Reporter:** | - |
| **Fac Pop Den:** | 488.84 | **Fac Imp Water Flg:** | Yes |
| **Count:** | 1 | **Fac Major Flag:** | - |
| **Fac County:** | ST. CLAIR COUNTY | **Fac Active Flag:** | Yes |
| **State Other :** | | **Fac Inspection Count:** | 0 |
| **Region:** | 05 | **Date Last Inspection:** | - |
| **Latitude:** | 42.909099 | **Days Last Inspection:** | - |
| **Longitude:** | -82.524586 | | |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|

**Fac Derived Tribes:** -
**AIR IDs:** -
**CAA Permit Types:** -
**CAA NAICS:** -
**CAA SICS:** -
**NPDES IDs:** MIS420034
**CWA Permit Types:** Non-M
**CWA NAICS:** -
**CWA SICS:** 3721 4581
**RCRA IDs:** -
**RCRA Permit Types:** -
**RCRA NAICS:** -
**SDWA IDs:** -
**SDWA System Types:** -
**SDWA Compliance Status:** -
**SDWA Snc Flag:** No
**Fac Collection Meth:** ADDRESS MATCHING-HOUSE NUMBER
**EJSCREEN Flag Us:** No
**EJSCREEN Report:** https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-82.524586,%22y%22:42.909099,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
**ECHO Facility Report:** https://echo.epa.gov/detailed-facility-report?fid=110067618616

**Industry:** Airports

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|---|---|---|---|---|---|---|
| 10 | 1 of2 | S | 0.28 / 1,484.65 | 634.29 / -7 | EARL C SMITH<br>5407 GRATIOT AVE<br>SAINT CLAIR MI 48079 | WASTE |

**WDS ID:** 453953
**Site ID:** MIG000018946
**County:** ST CLAIR
**Legal Name:** EARL C SMITH
**Contact Name:**

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| | | | | | | |
|---|---|---|---|---|---|---|
| 10 | 2 of2 | S | 0.28 / 1,484.65 | 634.29 / -7 | MICHIGAN SPECIALTY COATINGS INC<br>5407 GRATIOT AVE<br>SAINT CLAIR MI 48079 | WASTE |

**WDS ID:** 492230
**Site ID:** MIK644696726
**County:** ST CLAIR
**Legal Name:** MICHIGAN SPECIALTY COATINGS INC
**Contact Name:**

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| | | | | | | |
|---|---|---|---|---|---|---|
| 11 | 1 of2 | ENE | 0.29 / 1,519.65 | 644.32 / 3 | St Clair County Airport Property<br>125 Airport Drive, Kimball, MI, 48074<br>MI | SHWS |

**EPA ID:**
**EGLE District:** Warren
**House District:** Jimmie Wilson Jr.
**Senate District:** Dan Lauwers
**Hrz Acc MS:** 15
**Scale No:** 24000
**Point X:** -82.52943269357316
**Last Updated:** 2/1/2021, 7:00 PM
**Fac Name (Web):** St Clair County Airport Property
**Address (Web):** 125 Airport Drive, Kimball, MI, 48074
**City (Web):** Kimball
**Township (Web):** Kimball City
**County (Web):** St. Clair

**Facility ID (Web):** 74000244
**Site ID (Map):** 74000244
**Regulatory Program:** 201
**Lust Name:**
**Project Manager:** Adolphues, Ira
**Release Status:**
**Point Y:** 42.90957369730797
**Has BEA or NOM:** NO

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|

| | |
|---|---|
| **Latitude (Web):** | 42.909582 |
| **Longitude (Web):** | -82.529437 |
| **Site Name (Map):** | St Clair County Airport Property |
| **Address (Map):** | 125 Airport Drive |
| **City (Map):** | Kimball |
| **Zip Code (Map):** | 48074 |
| **County (Map):** | St. Clair |
| **Latitude (Map):** | 42.909582 |
| **Longitude (Map):** | -82.529437 |
| **US Congressional District:** | John James |
| **H Ref Datum:** | North American Datum of 1983 |
| **H Ref Moc:** | The geographic coordinate determination method based on interpolation-map |
| **OS Descrip:** | Risks Present and Require Action in Short-term |
| **Ref Desc:** | Center of a facility or station |
| **Risk Condition:** | Risks Present and Require Action in Short-term |
| **Contaminants:** | Petroleum Volatile and Semi Volatile Organic Compounds |
| **Business Type:** | |
| **Data Source:** | DEQ Inventory of Facilities (Web); DEQ Sites of Environmental Contamination, Part 201 (Map) |
| **Note:** | EGLE's Remediation and Redevelopment Division (RRD) is undertaking an effort to digitize records and make them available to the public through an online portal Remediation Information Data Exchange (RIDE). Documents related to facilities regulated under Part 201, Environmental Remediation, can be found by searching RIDE: https://www.egle.state.mi.us/RIDE/inventory-of-facilities/facilities Information about how to access the documents can be found at the url below; the guidance explains that not all paper files have been digitized, and files not found in RIDE can be requested via Freedom of Information Act (FOIA) request. https://www.michigan.gov/egle/maps-data/ride/accessing-electronic-documents-guidance |

| | | | | | | |
|---|---|---|---|---|---|---|
| **11** | ***2 of2*** | ***ENE*** | ***0.29 / 1,519.65*** | ***644.32 / 3*** | ***COUNTY OF SAINT CLAIR AIRPORT FUEL FARM 125 AIRPORT DR KIMBALL MI 48074*** | ***WASTE*** |

| | |
|---|---|
| **WDS ID:** | 411014 |
| **Site ID:** | MIR000017988 |
| **County:** | ST CLAIR |
| **Legal Name:** | COUNTY OF SAINT CLAIR AIRPORT FUEL FARM |
| **Contact Name:** | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **12** | ***1 of1*** | ***SSE*** | ***0.30 / 1,591.01*** | ***636.97 / -5*** | ***Wyatte Maxine 5334 GRATIOT AVE, SAINT CLAIR, MI, 48079 MI*** | ***LUST*** |

| | |
|---|---|
| **Facility ID:** | 50000542 |
| **Regulat Pgm (RIDE):** | 213 |
| **Fac Name (RIDE):** | Wyatte Maxine |
| **Full Address(RIDE):** | 5334 GRATIOT AVE, SAINT CLAIR, MI, 48079 |
| **City (RIDE):** | SAINT CLAIR |
| **County (RIDE):** | St. Clair |
| **Township (RIDE):** | |
| **EGLE Dist (RIDE):** | Warren |
| **Latitude (RIDE):** | 42.89611 |
| **Longitude (RIDE):** | -82.531426 |
| **Comp Name (Map):** | Wyatte, Maxine |
| **Address (Map):** | 5334 GRATIOT AVE |
| **City (Map):** | SAINT CLAIR |
| **County (Map):** | St. Clair |
| **District (Map):** | Warren |
| **ZIP (Map):** | 48079 |
| **Latitude (Map):** | 42.89611 |
| **Longitude (Map):** | -82.531426 |
| **Facility Name:** | Wyatte Maxine |
| **Street Address:** | 5334 GRATIOT AVE |
| **Street Address 2:** | NULL |
| **City:** | SAINT CLAIR |

**County:** St. Clair
**EGLE District:** Warren
**Zip Code:** 48079
**Data Source:** EGLE Remediation Information Data Exchange Tanks (RIDE); LUST List; Leaking Underground Storage Tanks Part 213 Open (Map); EGLE Remediation Information Data Exchange Tanks (RIDE) As of Jun 2024
**Note:** EGLE's Remediation and Redevelopment Division (RRD) is undertaking an effort to digitize records and make them available to the public through an online portal Remediation Information Data Exchange (RIDE).

Documents related to facilities regulated under Part 213, Leaking Underground Storage Tanks, can be found by searching RIDE: https://www.egle.state.mi.us/RIDE/inventory-of-facilities/facilities

Information about how to access the documents can be found at the url below; the guidance explains that not all paper files have been digitized, and files not found in RIDE can be requested via Freedom of Information Act (FOIA) request.

https://www.michigan.gov/egle/maps-data/ride/accessing-electronic-documents-guidance

***LUST Details (EGLE Environmental Mapper)***

**Owner ID:** 0
**Active Site:** Yes
**Close Site:** No
**Close LUST:** 0
**Open LUST:** Open
**Restrict:** NO
**Source:** State of MI
**Col Date:** 2024-06-19 22:10:03.467
**MOC:** The geographic coordinate determination method bas
**Geometry:** MULTIPOINT (-82.5314216942065 42.896101699766)
**H Datum:** North
**Accuracy:** 100
**Acc Unit:** METERS
**Shp Type:** POINT
**Desc Cater:**
**Updated on:** 2024-06-19 22:10:03.467
**MGR X:**
**MGR Y:**

***Locations***

**EPA ID:**
**Release Status:** Open
**Project Manager:** Kohloff, Courtney
**Risk Condition:** Risks Not Determined
**LUST Name:** Wyatte, Maxine
**Senate District:**
**House District:**
**US Congr District:**

***Facility Release***

**Release ID:** REL-0739-85
**Type of Release:** Confirmed
**Current Classification:** Unknown
**Corrective Action Status:** Inactive
**Linked Release:**

***Facility Release Details***

**Current Classification:** Unknown
**Corrective Action Status:** Inactive
**Previous Classification:**
**Entry Date:** 03/23/2001
**Date Release Was Cancelled:**
**Date Reported:** 01/01/1900
**Closed With State Funds:** No
**Date Release Was Upgraded:**
**Highest Classification:** Unknown
**Type of Evaluation:**
**Institutional Controls:** No
**Upgrade Cancel Date:**
**Project Manager When Closed:** Kohloff, Courtney
**Release Closed:**
**Closed Date:**

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|

***Facility Release***

| | |
|---|---|
| ***Release ID:*** | REL-2329-90 |
| ***Type of Release:*** | Confirmed |
| ***Current Classification:*** | Unknown |
| ***Corrective Action Status:*** | Inactive |
| ***Linked Release:*** | |

***Facility Release Details***

| | |
|---|---|
| ***Current Classification:*** | Unknown |
| ***Corrective Action Status:*** | Inactive |
| ***Previous Classification:*** | |
| ***Entry Date:*** | 03/21/2001 |
| ***Date Release Was Cancelled:*** | |
| ***Date Reported:*** | 11/06/1990 |
| ***Closed With State Funds:*** | No |
| ***Date Release Was Upgraded:*** | |
| ***Highest Classification:*** | Unknown |
| ***Type of Evaluation:*** | |
| ***Institutional Controls:*** | No |
| ***Upgrade Cancel Date:*** | |
| ***Project Manager When Closed:*** | Kohloff, Courtney |
| ***Release Closed:*** | |
| ***Closed Date:*** | |

***LUST List***

| | |
|---|---|
| ***Release ID:*** | REL-2329-90 |
| ***Release Discovered Date:*** | NULL |
| ***Release Closed Date:*** | NULL |
| ***Date Reported:*** | 1990-11-06 00:00:00.000 |
| ***Release Status:*** | Open |
| ***LUST Name:*** | Wyatte, Maxine |

***LUST List***

| | |
|---|---|
| ***Release ID:*** | REL-0739-85 |
| ***Release Discovered Date:*** | NULL |
| ***Release Closed Date:*** | NULL |
| ***Date Reported:*** | 1900-01-01 00:00:00.000 |
| ***Release Status:*** | Open |
| ***LUST Name:*** | Wyatte, Maxine |

***Facility Details (As of Jun 2024)***

| | | | |
|---|---|---|---|
| ***EPA ID:*** | | ***Facility Name:*** | Wyatte Maxine |
| ***LUST Name:*** | Wyatte, Maxine | ***Full Address:*** | 5334 GRATIOT AVE, SAINT CLAIR, MI, 48079 |
| ***Regulatory Program:*** | 213 | ***City:*** | SAINT CLAIR |
| ***Contaminant Class:*** | | | |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|
| 13 | 1 of1 | SSE | 0.32 / 1,680.69 | 636.70 / -5 | Wyatte, Maxine<br>5334 GRATIOT, St. Clair, MI, 48079<br>MI | SHWS |

| | | | |
|---|---|---|---|
| ***EPA ID:*** | | ***Facility ID (Web):*** | 74000133 |
| ***EGLE District:*** | Warren | ***Site ID (Map):*** | 74000133 |
| ***House District:*** | Rachel Hood | ***Regulatory Program:*** | 201 |
| ***Senate District:*** | Dan Lauwers | ***Lust Name:*** | |
| ***Hrz Acc MS:*** | 15 | ***Project Manager:*** | Ebaugh, Emily |
| ***Scale No:*** | 24000 | ***Release Status:*** | |
| ***Point X:*** | -82.52602369575426 | ***Point Y:*** | 42.897458699257754 |
| ***Last Updated:*** | 2/1/2021, 7:00 PM | ***Has BEA or NOM:*** | NO |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|

| | |
|---|---|
| **Fac Name (Web):** | Wyatte, Maxine |
| **Address (Web):** | 5334 GRATIOT, St. Clair, MI, 48079 |
| **City (Web):** | St. Clair |
| **Township (Web):** | St. Clair City |
| **County (Web):** | St. Clair |
| **Latitude (Web):** | 42.897467 |
| **Longitude (Web):** | -82.526028 |
| **Site Name (Map):** | Wyatte, Maxine |
| **Address (Map):** | 5334 GRATIOT |
| **City (Map):** | St. Clair |
| **Zip Code (Map):** | 48079 |
| **County (Map):** | St. Clair |
| **Latitude (Map):** | 42.897467 |
| **Longitude (Map):** | -82.526028 |
| **US Congressional District:** | John James |
| **H Ref Datum:** | North American Datum of 1983 |
| **H Ref Moc:** | The geographic coordinate determination method based on interpolation-map |
| **OS Descrip:** | Risks Not Determined |
| **Ref Desc:** | Center of a facility or station |
| **Risk Condition:** | Risks Not Determined |
| **Contaminants:** | |
| **Business Type:** | |
| **Data Source:** | DEQ Inventory of Facilities (Web); DEQ Sites of Environmental Contamination, Part 201 (Map) |
| **Note:** | EGLE's Remediation and Redevelopment Division (RRD) is undertaking an effort to digitize records and make them available to the public through an online portal Remediation Information Data Exchange (RIDE). Documents related to facilities regulated under Part 201, Environmental Remediation, can be found by searching RIDE: https://www.egle.state.mi.us/RIDE/inventory-of-facilities/facilities<br>Information about how to access the documents can be found at the url below; the guidance explains that not all paper files have been digitized, and files not found in RIDE can be requested via Freedom of Information Act (FOIA) request.<br>https://www.michigan.gov/egle/maps-data/ride/accessing-electronic-documents-guidance |

| | | | | | | |
|---|---|---|---|---|---|---|
| 14 | 1 of1 | SSE | 0.32 / 1,685.17 | 636.70 / -5 | REELING SYSTEMS LLC<br>SAINT CLAIR MI | PFAS IND |

| | | | |
|---|---|---|---|
| **Status:** | Active | **Fac Fips Code:** | 26147 |
| **Fac Indian Cntry Flg:** | No | **Compliance Status:** | No Violation Identified |
| **Fac Derived Huc:** | 04090001 | **EPA Programs:** | RCRA |
| **Fac Derived Wbd:** | 040900010306 | **Federal Facility:** | No |
| **Fac Derived Cd113:** | 10 | **Federal Agency:** | - |
| **Fac Derived Cb2010:** | 261476406001005 | **Fac Snc Flg:** | No |
| **Fac Informal Count:** | 0 | **AIR Flag:** | No |
| **Last Informal Action:** | - | **NPDES Flag:** | No |
| **Formal Action Count:** | 0 | **SDWIS Flag:** | No |
| **Last Formal Action:** | - | **RCRAFlag:** | Yes |
| **Fac Total Penalties:** | 0 | **TRI Flag:** | No |
| **Fac Penalty Count:** | - | **GHG Flag:** | No |
| **Date Last Penalty:** | - | **TRI IDs:** | - |
| **Last Penalty Amt:** | - | **TRI Releases Trnsfrs:** | - |
| **Fac Qtrs With Nc:** | 0 | **TRI on Site Releases:** | - |
| **Programs With Snc:** | 0 | **TRI off Site Trnsfrs:** | - |
| **Fac Percent Minority:** | 4.199 | **TRI Reporter:** | - |
| **Fac Pop Den:** | 334.07 | **Fac Imp Water Flg:** | - |
| **Count:** | 1 | **Fac Major Flag:** | - |
| **Fac County:** | ST CLAIR | **Fac Active Flag:** | Yes |
| **State Other :** | | **Fac Inspection Count:** | 0 |
| **Region:** | 05 | **Date Last Inspection:** | - |
| **Latitude:** | 42.895845 | **Days Last Inspection:** | - |
| **Longitude:** | -82.531664 | | |
| **Fac Derived Tribes:** | - | | |
| **AIR IDs:** | - | | |
| **CAA Permit Types:** | - | | |
| **CAA NAICS:** | - | | |
| **CAA SICS:** | - | | |
| **NPDES IDs:** | - | | |
| **CWA Permit Types:** | - | | |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|

**CWA NAICS:** -
**CWA SICS:** -
**RCRA IDs:** MID985605385
**RCRA Permit Types:** VSQG
**RCRA NAICS:** 333249
**SDWA IDs:** -
**SDWA System Types:** -
**SDWA Compliance Status:** -
**SDWA Snc Flag:** No
**Fac Collection Meth:** ADDRESS MATCHING-HOUSE NUMBER
**EJSCREEN Flag Us:** No
**EJSCREEN Report:** https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-82.531664,%22y%22:42.895845,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
**ECHO Facility Report:** https://echo.epa.gov/detailed-facility-report?fid=110003652556

**Industry:** Metal Machinery Mfg

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| | | | | | | |
|---|---|---|---|---|---|---|
| 15 | 1 of2 | ENE | 0.34 / 1,772.00 | 648.66 / 7 | SIERRA AIR INC<br>177 ASH DR<br>SMITHS CREEK MI 48074 | WASTE |

**WDS ID:** 410672
**Site ID:** MIR000014563
**County:** ST CLAIR
**Legal Name:** SIERRA AIR INC
**Contact Name:**

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| | | | | | | |
|---|---|---|---|---|---|---|
| 15 | 2 of2 | ENE | 0.34 / 1,772.00 | 648.66 / 7 | St. Claire County International Airport<br>177 Ash Dr, Kimball, MI, 48074<br>MI | LUST |

**Facility ID:** 00004540
**Regulat Pgm (RIDE):** 213
**Fac Name (RIDE):** St. Claire County International Airport
**Full Address(RIDE):** 177 Ash Dr, Kimball, MI, 48074
**City (RIDE):** Kimball
**County (RIDE):** St. Clair
**Township (RIDE):** Kimball
**EGLE Dist (RIDE):** Warren
**Latitude (RIDE):** 42.91008438
**Longitude (RIDE):** -82.52067168
**Comp Name (Map):** St. Clair County International Airport
**Address (Map):** 177 Ash Dr
**City (Map):** Kimball
**County (Map):** St. Clair
**District (Map):** Warren
**ZIP (Map):** 48074
**Latitude (Map):** 42.91008438
**Longitude (Map):** -82.52067168
**Facility Name:** St. Claire County International Airport
**Street Address:** 177 Ash Dr
**Street Address 2:** NULL
**City:** Kimball
**County:** St. Clair
**EGLE District:** Warren
**Zip Code:** 48074
**Data Source:** EGLE Remediation Information Data Exchange Tanks (RIDE); LUST List; Leaking Underground Storage Tanks Part 213 Closed (Map); EGLE Remediation Information Data Exchange Tanks (RIDE) As of Jun 2024
**Note:** EGLE's Remediation and Redevelopment Division (RRD) is undertaking an effort to digitize records and make them available to the public through an online portal Remediation Information Data Exchange (RIDE).

Documents related to facilities regulated under Part 213, Leaking Underground Storage Tanks, can be found by searching RIDE: https://www.egle.state.mi.us/RIDE/inventory-of-facilities/facilities

Information about how to access the documents can be found at the url below; the guidance explains that not all

paper files have been digitized, and files not found in RIDE can be requested via Freedom of Information Act (FOIA) request.

https://www.michigan.gov/egle/maps-data/ride/accessing-electronic-documents-guidance

***LUST Details (EGLE Environmental Mapper)***

| | | | |
|---|---|---|---|
| ***Owner ID:*** | 0 | ***H Datum:*** | North |
| ***Active Site:*** | No | ***Accuracy:*** | 20 |
| ***Close Site:*** | Yes | ***Acc Unit:*** | METERS |
| ***Close LUST:*** | Closed | ***Shp Type:*** | POINT |
| ***Open LUST:*** | 0 | ***Desc Cater:*** | Center of a facility or st |
| ***Restrict:*** | NO | ***Updated on:*** | 2024-06-19 22:10:03.467 |
| ***Source:*** | State of MI | ***MGR X:*** | |
| ***Col Date:*** | 2024-06-19 22:10:03.467 | ***MGR Y:*** | |
| ***MOC:*** | The geographic coordinate determination method bas | | |
| ***Geometry:*** | MULTIPOINT (-82.52066737624443 42.91007607678041) | | |

***Locations***

| | | | |
|---|---|---|---|
| ***EPA ID:*** | | ***Senate District:*** | Dan Lauwers |
| ***Release Status:*** | Closed | ***House District:*** | Jimmie Wilson Jr. |
| ***Project Manager:*** | Kohloff, Courtney | ***US Congr District:*** | John James |
| ***Risk Condition:*** | Risk Controlled | | |
| ***LUST Name:*** | St. Clair County International Airport | | |

***Associated Tanks***

| | | | |
|---|---|---|---|
| ***Release ID:*** | REL-0252-20 | ***Capacity Gallons:*** | 12000 |
| ***Tank ID:*** | UTK-040659-15 | ***Date of Installatn:*** | 06/03/1987 |
| ***Tank Status:*** | Removed from Ground | ***Substance Stored:*** | Kerosene |
| ***Release ID:*** | REL-0252-20 | ***Capacity Gallons:*** | 12000 |
| ***Tank ID:*** | UTK-003108-15 | ***Date of Installatn:*** | 06/03/1987 |
| ***Tank Status:*** | Removed from Ground | ***Substance Stored:*** | Gasoline |

***Facility Release***

| | |
|---|---|
| ***Release ID:*** | REL-0252-20 |
| ***Type of Release:*** | Confirmed |
| ***Current Classification:*** | Class 5 |
| ***Corrective Action Status:*** | Complete |
| ***Linked Release:*** | |

***Facility Release Details***

| | |
|---|---|
| ***Current Classification:*** | Class 5 |
| ***Corrective Action Status:*** | Complete |
| ***Previous Classification:*** | Unknown |
| ***Entry Date:*** | 11/20/2020 |
| ***Date Release Was Cancelled:*** | |
| ***Date Reported:*** | 11/20/2020 |
| ***Closed With State Funds:*** | No |
| ***Date Release Was Upgraded:*** | |
| ***Highest Classification:*** | Unknown |
| ***Type of Evaluation:*** | |
| ***Institutional Controls:*** | No |
| ***Upgrade Cancel Date:*** | |
| ***Project Manager When Closed:*** | Kohloff, Courtney |
| ***Release Closed:*** | Residential Closure |
| ***Closed Date:*** | 02/22/2022 |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|

***LUST List***

| | |
|---|---|
| ***Release ID:*** | REL-0252-20 |
| ***Release Discovered Date:*** | NULL |
| ***Release Closed Date:*** | 2022-02-22 00:00:00.000 |
| ***Date Reported:*** | 2020-11-20 13:30:00.000 |
| ***Release Status:*** | Closed |
| ***LUST Name:*** | St. Clair County International Airport |

***Facility Details (As of Jun 2024)***

| | | | |
|---|---|---|---|
| ***EPA ID:*** | | ***Facility Name:*** | St. Claire County International Airport |
| ***LUST Name:*** | St. Clair County International Airport | ***Full Address:*** | 177 Ash Dr, Kimball, MI, 48074 |
| ***Regulatory Program:*** | 213 | ***City:*** | Kimball |
| ***Contaminant Class:*** | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 16 | *1 of1* | *E* | *0.35 / 1,870.30* | *647.11 / 6* | ***COUNTY OF SAINT CLAIR AIRPORT FUEL FARM***<br>***KIMBALL MI*** | ***PFAS IND*** |

| | | | |
|---|---|---|---|
| ***Status:*** | Inactive | ***Fac Fips Code:*** | 26147 |
| ***Fac Indian Cntry Flg:*** | No | ***Compliance Status:*** | No Violation Identified |
| ***Fac Derived Huc:*** | 04090001 | ***EPA Programs:*** | RCRA |
| ***Fac Derived Wbd:*** | 040900010306 | ***Federal Facility:*** | No |
| ***Fac Derived Cd113:*** | 10 | ***Federal Agency:*** | - |
| ***Fac Derived Cb2010:*** | 261476346001021 | ***Fac Snc Flg:*** | No |
| ***Fac Informal Count:*** | 0 | ***AIR Flag:*** | No |
| ***Last Informal Action:*** | - | ***NPDES Flag:*** | No |
| ***Formal Action Count:*** | 0 | ***SDWIS Flag:*** | No |
| ***Last Formal Action:*** | - | ***RCRAFlag:*** | Yes |
| ***Fac Total Penalties:*** | 0 | ***TRI Flag:*** | No |
| ***Fac Penalty Count:*** | - | ***GHG Flag:*** | No |
| ***Date Last Penalty:*** | - | ***TRI IDs:*** | - |
| ***Last Penalty Amt:*** | - | ***TRI Releases Trnsfrs:*** | - |
| ***Fac Qtrs With Nc:*** | 0 | ***TRI on Site Releases:*** | - |
| ***Programs With Snc:*** | 0 | ***TRI off Site Trnsfrs:*** | - |
| ***Fac Percent Minority:*** | 4.501 | ***TRI Reporter:*** | - |
| ***Fac Pop Den:*** | 486.14 | ***Fac Imp Water Flg:*** | - |
| ***Count:*** | 1 | ***Fac Major Flag:*** | - |
| ***Fac County:*** | ST CLAIR | ***Fac Active Flag:*** | - |
| ***State Other :*** | | ***Fac Inspection Count:*** | 0 |
| ***Region:*** | 05 | ***Date Last Inspection:*** | - |
| ***Latitude:*** | 42.90751 | ***Days Last Inspection:*** | - |
| ***Longitude:*** | -82.523303 | | |
| ***Fac Derived Tribes:*** | - | | |
| ***AIR IDs:*** | - | | |
| ***CAA Permit Types:*** | - | | |
| ***CAA NAICS:*** | - | | |
| ***CAA SICS:*** | - | | |
| ***NPDES IDs:*** | - | | |
| ***CWA Permit Types:*** | - | | |
| ***CWA NAICS:*** | - | | |
| ***CWA SICS:*** | - | | |
| ***RCRA IDs:*** | MIR000017988 | | |
| ***RCRA Permit Types:*** | Other | | |
| ***RCRA NAICS:*** | 488119 | | |
| ***SDWA IDs:*** | - | | |
| ***SDWA System Types:*** | - | | |
| ***SDWA Compliance Status:*** | - | | |
| ***SDWA Snc Flag:*** | No | | |
| ***Fac Collection Meth:*** | ADDRESS MATCHING-HOUSE NUMBER | | |
| ***EJSCREEN Flag Us:*** | No | | |
| ***EJSCREEN Report:*** | https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-82.523303,%22y%22:42.90751,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1 | | |
| ***ECHO Facility Report:*** | https://echo.epa.gov/detailed-facility-report?fid=110003697544 | | |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|
| **Industry:** | | Airports | | | | |
| 17 | 1 of1 | SSE | 0.36 / 1,916.75 | 637.59 / -4 | GRAHAM INTERNATIONAL<br>5323 GRATIOT AVE<br>SAINT CLAIR MI 48079 | WASTE |
| **WDS ID:** | | 404464 | | | | |
| **Site ID:** | | MID985605385 | | | | |
| **County:** | | ST CLAIR | | | | |
| **Legal Name:** | | REELING SYSTEMS LLC | | | | |
| **Contact Name:** | | | | | | |
| 18 | 1 of1 | E | 0.38 / 2,018.01 | 647.34 / 6 | MPP CORP<br>82 AIRPORT DR<br>KIMBALL MI 48074 | WASTE |
| **WDS ID:** | | 443214 | | | | |
| **Site ID:** | | MIG000040661 | | | | |
| **County:** | | ST CLAIR | | | | |
| **Legal Name:** | | MPP CORP | | | | |
| **Contact Name:** | | | | | | |
| 19 | 1 of1 | E | 0.39 / 2,066.37 | 647.28 / 6 | AUTO QUIP INC<br>70 AIRPORT DR<br>KIMBALL MI 48074 | WASTE |
| **WDS ID:** | | 443362 | | | | |
| **Site ID:** | | MIG000040352 | | | | |
| **County:** | | ST CLAIR | | | | |
| **Legal Name:** | | AUTO QUIP INC | | | | |
| **Contact Name:** | | | | | | |
| 20 | 1 of1 | E | 0.40 / 2,133.99 | 646.55 / 5 | J & P ELECTRICAL<br>44 AIRPORT DR<br>SMITHS CREEK MI 48074 | WASTE |
| **WDS ID:** | | 497355 | | | | |
| **Site ID:** | | MIK168251429 | | | | |
| **County:** | | ST CLAIR | | | | |
| **Legal Name:** | | J & P ELECTRICAL | | | | |
| **Contact Name:** | | | | | | |
| 21 | 1 of1 | E | 0.41 / 2,185.47 | 646.32 / 5 | AUTOMOBILE METAL AUTOSHAPING<br>60 AIRPORT DR<br>KIMBALL MI 48074 | WASTE |
| **WDS ID:** | | 473768 | | | | |
| **Site ID:** | | MIK514696186 | | | | |
| **County:** | | ST CLAIR | | | | |
| **Legal Name:** | | AUTOMOBILE METAL AUTOSHAPING | | | | |
| **Contact Name:** | | | | | | |
| 22 | 1 of1 | E | 0.43 / 2,250.34 | 646.60 / 5 | ALLIED PHOTOCHEMICAL<br>48 AIRPORT DR<br>KIMBALL MI 48074 | WASTE |
| **WDS ID:** | | 479227 | | | | |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|
| **Site ID:** | | MIK364467878 | | | | |
| **County:** | | ST CLAIR | | | | |
| **Legal Name:** | | ALLIED PHOTOCHEMICAL | | | | |
| **Contact Name:** | | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 23 | 1 of1 | SSE | 0.43 / 2,266.13 | 640.38 / -1 | HEARTLAND USED CARS<br>5277 GRATIOT AVE<br>SAINT CLAIR MI 48079 | WASTE |

| | |
|---|---|
| **WDS ID:** | 417828 |
| **Site ID:** | MIG000046699 |
| **County:** | ST CLAIR |
| **Legal Name:** | HEARTLAND USED CARS |
| **Contact Name:** | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 24 | 1 of1 | E | 0.44 / 2,341.45 | 646.49 / 5 | BATTON ENTERPRISES<br>42 AIRPORT DR<br>KIMBALL MI 48074 | WASTE |

| | |
|---|---|
| **WDS ID:** | 467681 |
| **Site ID:** | MIK393773916 |
| **County:** | ST CLAIR |
| **Legal Name:** | BATTON ENTERPRISES |
| **Contact Name:** | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 25 | 1 of1 | E | 0.47 / 2,503.26 | 645.86 / 4 | AUTO & TRUCK PARTS<br>12 N AIRPORT RD<br>KIMBALL MI 48074 | WASTE |

| | |
|---|---|
| **WDS ID:** | 419457 |
| **Site ID:** | MIG000055713 |
| **County:** | ST CLAIR |
| **Legal Name:** | AUTO & TRUCK PARTS |
| **Contact Name:** | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 26 | 1 of1 | E | 0.49 / 2,574.71 | 644.44 / 3 | District 3 Warehouse<br>21 AIRPORT DR NULL<br>SAINT CLAIR MI 48079 | LUST |

| | |
|---|---|
| **Facility ID:** | 00019443 |
| **Regulat Pgm (RIDE):** | |
| **Fac Name (RIDE):** | |
| **Full Address(RIDE):** | |
| **City (RIDE):** | |
| **County (RIDE):** | |
| **Township (RIDE):** | |
| **EGLE Dist (RIDE):** | |
| **Latitude (RIDE):** | |
| **Longitude (RIDE):** | |
| **Comp Name (Map):** | District 3 Warehouse - St. Clair Co. Rd Commission |
| **Address (Map):** | 21 AIRPORT DR |
| **City (Map):** | SAINT CLAIR |
| **County (Map):** | St. Clair |
| **District (Map):** | Warren |
| **ZIP (Map):** | 48079 |
| **Latitude (Map):** | 42.905538 |
| **Longitude (Map):** | -82.520735 |
| **Facility Name:** | District 3 Warehouse |
| **Street Address:** | 21 AIRPORT DR |
| **Street Address 2:** | NULL |
| **City:** | SAINT CLAIR |
| **County:** | St. Clair |

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|

**EGLE District:** Warren
**Zip Code:** 48079
**Data Source:** LUST List; Leaking Underground Storage Tanks Part 213 Closed (Map)
**Note:** EGLE's Remediation and Redevelopment Division (RRD) is undertaking an effort to digitize records and make them available to the public through an online portal Remediation Information Data Exchange (RIDE).

Documents related to facilities regulated under Part 213, Leaking Underground Storage Tanks, can be found by searching RIDE: https://www.egle.state.mi.us/RIDE/inventory-of-facilities/facilities

Information about how to access the documents can be found at the url below; the guidance explains that not all paper files have been digitized, and files not found in RIDE can be requested via Freedom of Information Act (FOIA) request.

https://www.michigan.gov/egle/maps-data/ride/accessing-electronic-documents-guidance

***LUST Details (EGLE Environmental Mapper)***

| | | | |
|---|---|---|---|
| **Owner ID:** | 0 | **H Datum:** | North |
| **Active Site:** | Yes | **Accuracy:** | 40 |
| **Close Site:** | No | **Acc Unit:** | METERS |
| **Close LUST:** | Closed | **Shp Type:** | POINT |
| **Open LUST:** | 0 | **Desc Cater:** | |
| **Restrict:** | NO | **Updated on:** | 2024-06-19 22:10:03.467 |
| **Source:** | State of MI | **MGR X:** | |
| **Col Date:** | 2024-06-19 22:10:03.467 | **MGR Y:** | |

**MOC:** The geographic coordinate determination method bas
**Geometry:** MULTIPOINT (-82.52073069664672 42.905529697579375)

***LUST List***

**Release ID:** REL-0132-17
**Release Discovered Date:** NULL
**Release Closed Date:** 2017-09-21 00:00:00.000
**Date Reported:** 2017-06-08 14:09:00.000
**Release Status:** Closed
**LUST Name:** District 3 Warehouse - St. Clair Co. Rd Commission

| | | | | | | |
|---|---|---|---|---|---|---|
| 27 | 1 of1 | ESE | 0.66 / 3,496.38 | 647.91 / 6 | Logan and Son Scrap Metal Yard 5047 Gratiot, St. Clair, MI, 48079 MI | SHWS |

| | | | |
|---|---|---|---|
| **EPA ID:** | | **Facility ID (Web):** | 74000234 |
| **EGLE District:** | Warren | **Site ID (Map):** | 74000234 |
| **House District:** | Rachel Hood | **Regulatory Program:** | 201 |
| **Senate District:** | Dan Lauwers | **Lust Name:** | |
| **Hrz Acc MS:** | 15 | **Project Manager:** | Ebaugh, Emily |
| **Scale No:** | 24000 | **Release Status:** | |
| **Point X:** | -82.52006669733817 | **Point Y:** | 42.90029569846239 |
| **Last Updated:** | 2/1/2021, 7:00 PM | **Has BEA or NOM:** | NO |

**Fac Name (Web):** Logan and Son Scrap Metal Yard
**Address (Web):** 5047 Gratiot, St. Clair, MI, 48079
**City (Web):** St. Clair
**Township (Web):** St. Clair (City of)
**County (Web):** St. Clair
**Latitude (Web):** 42.900304
**Longitude (Web):** -82.520071
**Site Name (Map):** Logan and Son Scrap Metal Yard
**Address (Map):** 5047 Gratiot
**City (Map):** St. Clair
**Zip Code (Map):** 48079
**County (Map):** St. Clair
**Latitude (Map):** 42.900304
**Longitude (Map):** -82.520071
**US Congressional District:** John James
**H Ref Datum:** North American Datum of 1983
**H Ref Moc:** The geographic coordinate determination method based on interpolation-map

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|

**OS Descrip:** Risks Not Determined
**Ref Desc:** Center of a facility or station
**Risk Condition:** Risks Not Determined
**Contaminants:**
**Business Type:**
**Data Source:** DEQ Inventory of Facilities (Web); DEQ Sites of Environmental Contamination, Part 201 (Map)
**Note:** EGLE's Remediation and Redevelopment Division (RRD) is undertaking an effort to digitize records and make them available to the public through an online portal Remediation Information Data Exchange (RIDE).
Documents related to facilities regulated under Part 201, Environmental Remediation, can be found by searching RIDE: https://www.egle.state.mi.us/RIDE/inventory-of-facilities/facilities
Information about how to access the documents can be found at the url below; the guidance explains that not all paper files have been digitized, and files not found in RIDE can be requested via Freedom of Information Act (FOIA) request.
https://www.michigan.gov/egle/maps-data/ride/accessing-electronic-documents-guidance

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| | | | | | | |
|---|---|---|---|---|---|---|
| 28 | 1 of1 | E | 0.90 / 4,755.92 | 647.05 / 5 | **Former Rush Trucking**<br>**4743 Gratiot Avenue, St Clair, MI, 48079**<br>**MI** | SHWS |

**EPA ID:**
**EGLE District:** Warren
**House District:** Andrew Beeler
**Senate District:** Dan Lauwers
**Hrz Acc MS:** 20
**Scale No:** 24000
**Point X:** -82.50894078049744
**Last Updated:** 3/17/2024, 8:00 PM
**Facility ID (Web):** 74000341
**Site ID (Map):** 74000341
**Regulatory Program:** 201
**Lust Name:**
**Project Manager:** Ebaugh, Emily
**Release Status:**
**Point Y:** 42.90343041735587
**Has BEA or NOM:** NO
**Fac Name (Web):** Former Rush Trucking
**Address (Web):** 4743 Gratiot Avenue, St Clair, MI, 48079
**City (Web):** St Clair
**Township (Web):** St Clair
**County (Web):** St. Clair
**Latitude (Web):** 42.90343872
**Longitude (Web):** -82.50894508
**Site Name (Map):** Former Rush Trucking
**Address (Map):** 4743 Gratiot Avenue
**City (Map):** St Clair
**Zip Code (Map):** 48079
**County (Map):** St. Clair
**Latitude (Map):** 42.90343872
**Longitude (Map):** -82.50894508
**US Congressional District:** Lisa McClain
**H Ref Datum:** North American Datum of 1983
**H Ref Moc:** The geographic coordinate determination method based on interpolation-photo.
**OS Descrip:** Risks Present and Require Action in Short-term
**Ref Desc:** Center of a facility or station
**Risk Condition:** Risks Present and Require Action in Short-term
**Contaminants:** Elements/Metals/Other Inorganics, Lead, Petroleum Volatile and Semi Volatile Organic Compounds
**Business Type:**
**Data Source:** DEQ Inventory of Facilities (Web); DEQ Sites of Environmental Contamination, Part 201 (Map)
**Note:** EGLE's Remediation and Redevelopment Division (RRD) is undertaking an effort to digitize records and make them available to the public through an online portal Remediation Information Data Exchange (RIDE).
Documents related to facilities regulated under Part 201, Environmental Remediation, can be found by searching RIDE: https://www.egle.state.mi.us/RIDE/inventory-of-facilities/facilities
Information about how to access the documents can be found at the url below; the guidance explains that not all paper files have been digitized, and files not found in RIDE can be requested via Freedom of Information Act (FOIA) request.
https://www.michigan.gov/egle/maps-data/ride/accessing-electronic-documents-guidance

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| | | | | | | |
|---|---|---|---|---|---|---|
| 29 | 1 of1 | E | 0.99 / 5,217.49 | 641.11 / 0 | **Shell Oil - River Rouge Lubricant Oil**<br>**MI** | DELISTED SHWS |

***Delisted Part 201 Site List***

| | | | |
|---|---|---|---|
| ***Location ID:*** | | ***Baseline Assess No:*** | |
| ***EPA ID:*** | | ***Hrzaccms:*** | |
| ***Source:*** | | ***Project Manager:*** | |
| ***Facility ID:*** | | ***Scale No:*** | |
| ***Egle District:*** | | ***Release Status:*** | |
| ***Site ID:*** | 82002609 | ***MGR X:*** | 0.0 |
| ***House District:*** | | ***MGR Y:*** | 0.0 |
| ***Regulatory Program:*** | | ***Pollutants:*** | |
| ***Senate District:*** | | ***Last Updated:*** | |
| ***Lust Name:*** | | ***Has Bea or NOM:*** | |
| ***Fac Name (Web):*** | | | |
| ***Address (Web):*** | | | |
| ***City (Web):*** | | | |
| ***Township (Web):*** | | | |
| ***County (Web):*** | | | |
| ***Latitude (Web):*** | | | |
| ***Longitude (Web):*** | | | |
| ***Site Name (Map):*** | Shell Oil - River Rouge Lubricant Oil | | |
| ***Address (Map):*** | | | |
| ***City (Map):*** | | | |
| ***Zip Code (Map):*** | | | |
| ***County (Map):*** | Wayne | | |
| ***Latitude (Map):*** | 42.90533 | | |
| ***Longitude (Map):*** | -82.50747 | | |
| ***US Congressional District:*** | | | |
| ***H Ref Datum:*** | | | |
| ***H Ref Moc:*** | | | |
| ***OS Descrip:*** | Interim Response in progress | | |
| ***Ref Desc:*** | | | |
| ***Risk Condition:*** | | | |
| ***Contaminants:*** | | | |
| ***Business Type:*** | | | |
| ***Report Source:*** | DEQ Sites of Environmental Contamination, Part 201 (Map) | | |
| ***Original Source:*** | SHWS | | |
| ***Record Date:*** | 08-AUG-2022 | | |

# Unplottable Summary

**Total: 7 Unplottable sites**

| DB | Company Name/Site Name | Address | City | Zip | ERIS ID |
|---|---|---|---|---|---|
| SPILLS | | SMITHS CREEK RD<br>***Incident No* \| *Rel Incident Contr:*** (Ambs) 5152 \| | SMITHS CREEK MI | | 818893030 |
| SPILLS | | SMITHS CREEK RD.<br>***Incident No* \| *Rel Incident Contr:*** 28149 \| | St. Clair City MI | | 922484016 |
| SPILLS | | corner of Gratiot and<br>***Incident No* \| *Rel Incident Contr:*** 19146 \| | MI | | 870719295 |
| SPILLS | | GRATIOT AVE<br>***Incident No* \| *Rel Incident Contr:*** 22760 \| | ST CLAIR MI | | 882441575 |
| SPILLS | | Smiths Creek Road<br>***Incident No* \| *Rel Incident Contr:*** 28758 \| | St. Clair City MI | | 922479969 |
| SPILLS | | Gratiot Ave<br>***Incident No* \| *Rel Incident Contr:*** 20497 \| | St. Clair MI | | 873885900 |
| WASTE | AIRPORT AIR INDUSTRIAL PARK WWTS | ST CLAIR COUNTY AIRPORT | SAINT CLAIR MI | 48079 | 882257358 |

# Unplottable Report

***Site:***

***SMITHS CREEK RD  SMITHS CREEK MI***

SPILLS

| | | | |
|---|---|---|---|
| ***Incident No:*** | (Ambs) 5152 | ***GF Comp Date:*** | |
| ***Incident No Related:*** | | ***Weather or Wind:*** | |
| ***Complainant Type:*** | | ***Wind Direction:*** | |
| ***Observed Date:*** | | ***Rain Condition:*** | |
| ***Observed Time:*** | | ***Old Wind Direction:*** | |
| ***Occurred Date:*** | 7/31/2012 | ***Name of Water Body:*** | N/A |
| ***Occurred Time:*** | | ***Last Updated Date:*** | |
| ***Date Discovered:*** | | ***Operator In:*** | |
| ***Time Dis Orig Entr:*** | | ***District:*** | SEMI (except AQD/Wayne) |
| ***Pollutant Released:*** | | ***Office/After Hours:*** | AFTER HOURS |
| ***Amt Released Air:*** | | ***Ambs Intake Agent:*** | |
| ***Amt Rel Ground:*** | | ***Observed Time Keep:*** | |
| ***Amt Rel Water:*** | | ***Tm Stamp Hr Orig:*** | |
| ***Volume Recovered:*** | | ***Int Time Format:*** | |
| ***Cleanup Comp Date:*** | | ***Time Corr Format:*** | |
| ***Rel Incident Contr:*** | | ***Report Date:*** | 7/31/2012 |
| ***Rel Inci Contr De:*** | | ***Time Stamp:*** | |
| ***Incident Ongoing:*** | | ***PEAS Dispatcher:*** | ANC |
| ***Source:*** | Ambs | ***Special Referral:*** | |
| ***Agencies Notified:*** | | ***Date and Time Stamp:*** | |
| ***Date Rec DEQ Staff:*** | | ***Optrinit:*** | |
| ***Time Rec DEQ Staff:*** | | ***Optrno:*** | |
| ***Div or On-Call:*** | | ***Smu3init:*** | |
| ***Time DEQ Paged:*** | | ***Pecctime:*** | |
| ***AMBS Time DEQ Call:*** | | ***Peccdate:*** | |
| ***No Staff Contacts:*** | | ***District Backup:*** | |
| ***Post Review Init:*** | | ***Incident Township:*** | |
| ***Referral Notes:*** | | ***Incident County:*** | St. Clair |
| ***Cleanup Contractor:*** | | ***Latitude:*** | |
| ***PWS:*** | | ***Longitude:*** | |
| ***Material Released:*** | UNKNOWN | | |
| ***Cleanup Efforts:*** | | | |
| ***Incident Cross Str:*** | | | |
| ***Party Involved Type:*** | | | |
| ***Party Inv. Contact:*** | | | |
| ***Party Inv Company:*** | | | |
| ***Party Inv. Phone 1:*** | | | |
| ***Party Inv. Phone 2:*** | | | |
| ***Party Inv Address:*** | | | |
| ***Party Inv City:*** | | | |
| ***Party Inv. State:*** | | | |
| ***Party Inv. Zip:*** | | | |
| ***Complaint Employer:*** | | | |
| ***Complainant City:*** | | | |
| ***Complainant State:*** | | | |
| ***Zip Complainant:*** | | | |
| ***Complainant Name:*** | | | |
| ***Complainant Phone 1:*** | | | |
| ***Complainant Phone 2:*** | | | |
| ***Complainant Street Address:*** | | | |
| ***Emergency Crews:*** | | | |
| ***Description - 1:*** | | | |
| ***Description - 2:*** | | | |
| ***Description - 3:*** | | | |
| ***Description - 4:*** | | | |
| ***Description - 5:*** | | | |
| ***Description - 6:*** | | | |
| ***Brief Description:*** | | | |

***Peas Admin Section:***
***Sensitive Information:***
***DEQ Primary:*** RF - PEAS
***Lead Division 1:*** ON CALL
***Lead Division 2:***
***Source File:***
***Description 1 (2):***

---

***Site:***
***SMITHS CREEK RD. St. Clair City MI***

SPILLS

***Incident No:*** 28149
***Incident No Related:***
***Complainant Type:***
***Observed Date:***
***Observed Time:***
***Occurred Date:*** 9/18/2023
***Occurred Time:***
***Date Discovered:***
***Time Dis Orig Entr:***
***Pollutant Released:***
***Amt Released Air:***
***Amt Rel Ground:***
***Amt Rel Water:***
***Volume Recovered:***
***Cleanup Comp Date:***
***Rel Incident Contr:***
***Rel Inci Contr De:***
***Incident Ongoing:***
***Source:*** GF
***Agencies Notified:***
***Date Rec DEQ Staff:***
***Time Rec DEQ Staff:***
***Div or On-Call:***
***Time DEQ Paged:***
***AMBS Time DEQ Call:***
***No Staff Contacts:***
***Post Review Init:***
***Referral Notes:***
***Cleanup Contractor:***
***PWS:***
***Material Released:*** UNKNOWN
***Cleanup Efforts:***
***Incident Cross Str:***
***Party Involved Type:***
***Party Inv. Contact:***
***Party Inv Company:***
***Party Inv. Phone 1:***
***Party Inv. Phone 2:***
***Party Inv Address:***
***Party Inv City:***
***Party Inv. State:***
***Party Inv. Zip:***
***Complaint Employer:***
***Complainant City:***
***Complainant State:***
***Zip Complainant:***
***Complainant Name:***
***Complainant Phone 1:***
***Complainant Phone 2:***
***Complainant Street Address:***
***Emergency Crews:***
***Description - 1:***
***Description - 2:***
***Description - 3:***
***Description - 4:***
***Description - 5:***
***Description - 6:***

***GF Comp Date:***
***Weather or Wind:***
***Wind Direction:***
***Rain Condition:***
***Old Wind Direction:***
***Name of Water Body:*** NA
***Last Updated Date:***
***Operator In:***
***District:*** Warren
***Office/After Hours:*** After Hrs.
***Ambs Intake Agent:***
***Observed Time Keep:***
***Tm Stamp Hr Orig:***
***Int Time Format:***
***Time Corr Format:***
***Report Date:*** 9/18/2023
***Time Stamp:***
***PEAS Dispatcher:*** Allegheny
***Special Referral:***
***Date and Time Stamp:***
***Optrinit:***
***Optrno:***
***Smu3init:***
***Pecctime:***
***Peccdate:***
***District Backup:***
***Incident Township:***
***Incident County:*** St. Clair
***Latitude:***
***Longitude:***

***Brief Description:***
***Peas Admin Section:***
***Sensitive Information:***
***DEQ Primary:*** Robert Joseph
***Lead Division 1:*** AQD
***Lead Division 2:***
***Source File:***
***Description 1 (2):***

---

***Site:***
***corner of Gratiot and MI***

SPILLS

***Incident No:*** 19146
***Incident No Related:***
***Complainant Type:***
***Observed Date:***
***Observed Time:***
***Occurred Date:***
***Occurred Time:***
***Date Discovered:***
***Time Dis Orig Entr:***
***Pollutant Released:***
***Amt Released Air:***
***Amt Rel Ground:***
***Amt Rel Water:***
***Volume Recovered:***
***Cleanup Comp Date:***
***Rel Incident Contr:***
***Rel Inci Contr De:***
***Incident Ongoing:***
***Source:*** GF
***Agencies Notified:***
***Date Rec DEQ Staff:***
***Time Rec DEQ Staff:***
***Div or On-Call:***
***Time DEQ Paged:***
***AMBS Time DEQ Call:***
***No Staff Contacts:***
***Post Review Init:***
***Referral Notes:***
***Cleanup Contractor:***
***PWS:***
***Material Released:*** Unknown
***Cleanup Efforts:***
***Incident Cross Str:***
***Party Involved Type:***
***Party Inv. Contact:***
***Party Inv Company:***
***Party Inv. Phone 1:***
***Party Inv. Phone 2:***
***Party Inv Address:***
***Party Inv City:***
***Party Inv. State:***
***Party Inv. Zip:***
***Complaint Employer:***
***Complainant City:***
***Complainant State:***
***Zip Complainant:***
***Complainant Name:***
***Complainant Phone 1:***
***Complainant Phone 2:***
***Complainant Street Address:***
***Emergency Crews:***
***Description - 1:***
***Description - 2:***
***Description - 3:***
***Description - 4:***
***Description - 5:***

***GF Comp Date:***
***Weather or Wind:***
***Wind Direction:***
***Rain Condition:***
***Old Wind Direction:***
***Name of Water Body:*** Lake Huron
***Last Updated Date:***
***Operator In:***
***District:*** SEMI (except AQD/Wayne)
***Office/After Hours:*** Office Hrs.
***Ambs Intake Agent:***
***Observed Time Keep:***
***Tm Stamp Hr Orig:***
***Int Time Format:***
***Time Corr Format:***
***Report Date:*** 5/3/2018
***Time Stamp:***
***PEAS Dispatcher:*** KP - EAC
***Special Referral:***
***Date and Time Stamp:***
***Optrinit:***
***Optrno:***
***Smu3init:***
***Pecctime:***
***Peccdate:***
***District Backup:***
***Incident Township:***
***Incident County:*** St. Clair
***Latitude:***
***Longitude:***

***Description - 6:***
***Brief Description:***
***Peas Admin Section:***
***Sensitive Information:***
***DEQ Primary:*** Melinda Steffler
***Lead Division 1:*** WRD-WQ
***Lead Division 2:***
***Source File:***
***Description 1 (2):***

---

***Site:***
***GRATIOT AVE ST CLAIR MI***

SPILLS

***Incident No:*** 22760
***Incident No Related:***
***Complainant Type:***
***Observed Date:***
***Observed Time:***
***Occurred Date:*** 12/5/2019
***Occurred Time:***
***Date Discovered:***
***Time Dis Orig Entr:***
***Pollutant Released:***
***Amt Released Air:***
***Amt Rel Ground:***
***Amt Rel Water:***
***Volume Recovered:***
***Cleanup Comp Date:***
***Rel Incident Contr:***
***Rel Inci Contr De:***
***Incident Ongoing:***
***Source:*** GF
***Agencies Notified:***
***Date Rec DEQ Staff:***
***Time Rec DEQ Staff:***
***Div or On-Call:***
***Time DEQ Paged:***
***AMBS Time DEQ Call:***
***No Staff Contacts:***
***Post Review Init:***
***Referral Notes:***
***Cleanup Contractor:***
***PWS:***
***Material Released:*** DIESEL FUEL
***Cleanup Efforts:***
***Incident Cross Str:***
***Party Involved Type:***
***Party Inv. Contact:***
***Party Inv Company:***
***Party Inv. Phone 1:***
***Party Inv. Phone 2:***
***Party Inv Address:***
***Party Inv City:***
***Party Inv. State:***
***Party Inv. Zip:***
***Complaint Employer:***
***Complainant City:***
***Complainant State:***
***Zip Complainant:***
***Complainant Name:***
***Complainant Phone 1:***
***Complainant Phone 2:***
***Complainant Street Address:***
***Emergency Crews:***
***Description - 1:***
***Description - 2:***
***Description - 3:***
***Description - 4:***

***GF Comp Date:***
***Weather or Wind:***
***Wind Direction:***
***Rain Condition:***
***Old Wind Direction:***
***Name of Water Body:*** BELL RIVER
***Last Updated Date:***
***Operator In:***
***District:*** Saginaw Bay
***Office/After Hours:*** After Hrs.
***Ambs Intake Agent:***
***Observed Time Keep:***
***Tm Stamp Hr Orig:***
***Int Time Format:***
***Time Corr Format:***
***Report Date:*** 12/5/2019
***Time Stamp:***
***PEAS Dispatcher:*** Allegheny
***Special Referral:***
***Date and Time Stamp:***
***Optrinit:***
***Optrno:***
***Smu3init:***
***Pecctime:***
***Peccdate:***
***District Backup:***
***Incident Township:***
***Incident County:*** Saginaw
***Latitude:***
***Longitude:***

***Description - 5:***
***Description - 6:***
***Brief Description:***
***Peas Admin Section:***
***Sensitive Information:***
***DEQ Primary:***
***Lead Division 1:*** RRD
***Lead Division 2:***
***Source File:***
***Description 1 (2):***

---

***Site:***
***Smiths Creek Road  St. Clair City MI***

SPILLS

***Incident No:*** 28758
***Incident No Related:*** PEAS 28130
***Complainant Type:***
***Observed Date:***
***Observed Time:***
***Occurred Date:***
***Occurred Time:***
***Date Discovered:***
***Time Dis Orig Entr:***
***Pollutant Released:***
***Amt Released Air:***
***Amt Rel Ground:***
***Amt Rel Water:***
***Volume Recovered:***
***Cleanup Comp Date:***
***Rel Incident Contr:***
***Rel Inci Contr De:***
***Incident Ongoing:***
***Source:*** GF
***Agencies Notified:***
***Date Rec DEQ Staff:***
***Time Rec DEQ Staff:***
***Div or On-Call:***
***Time DEQ Paged:***
***AMBS Time DEQ Call:***
***No Staff Contacts:***
***Post Review Init:***
***Referral Notes:***
***Cleanup Contractor:***
***PWS:***
***Material Released:*** Odors
***Cleanup Efforts:***
***Incident Cross Str:***
***Party Involved Type:***
***Party Inv. Contact:***
***Party Inv Company:***
***Party Inv. Phone 1:***
***Party Inv. Phone 2:***
***Party Inv Address:***
***Party Inv City:***
***Party Inv. State:***
***Party Inv. Zip:***
***Complaint Employer:***
***Complainant City:***
***Complainant State:***
***Zip Complainant:***
***Complainant Name:***
***Complainant Phone 1:***
***Complainant Phone 2:***
***Complainant Street Address:***
***Emergency Crews:***
***Description - 1:***
***Description - 2:***
***Description - 3:***

***GF Comp Date:***
***Weather or Wind:***
***Wind Direction:***
***Rain Condition:***
***Old Wind Direction:***
***Name of Water Body:***
***Last Updated Date:***
***Operator In:***
***District:*** Warren
***Office/After Hours:*** After Hrs.
***Ambs Intake Agent:***
***Observed Time Keep:***
***Tm Stamp Hr Orig:***
***Int Time Format:***
***Time Corr Format:***
***Report Date:*** 12/1/2023
***Time Stamp:***
***PEAS Dispatcher:*** AH - PEAS
***Special Referral:***
***Date and Time Stamp:***
***Optrinit:***
***Optrno:***
***Smu3init:***
***Pecctime:***
***Peccdate:***
***District Backup:***
***Incident Township:***
***Incident County:*** St. Clair
***Latitude:***
***Longitude:***

***Description - 4:***
***Description - 5:***
***Description - 6:***
***Brief Description:***
***Peas Admin Section:***
***Sensitive Information:***
***DEQ Primary:***
***Lead Division 1:*** AQD
***Lead Division 2:***
***Source File:***
***Description 1 (2):***

---

***Site:***
***Gratiot Ave St. Clair MI***

SPILLS

***Incident No:*** 20497
***Incident No Related:***
***Complainant Type:***
***Observed Date:***
***Observed Time:***
***Occurred Date:*** 11/24/2018
***Occurred Time:***
***Date Discovered:***
***Time Dis Orig Entr:***
***Pollutant Released:***
***Amt Released Air:***
***Amt Rel Ground:***
***Amt Rel Water:***
***Volume Recovered:***
***Cleanup Comp Date:***
***Rel Incident Contr:***
***Rel Inci Contr De:***
***Incident Ongoing:***
***Source:*** GF
***Agencies Notified:***
***Date Rec DEQ Staff:***
***Time Rec DEQ Staff:***
***Div or On-Call:***
***Time DEQ Paged:***
***AMBS Time DEQ Call:***
***No Staff Contacts:***
***Post Review Init:***
***Referral Notes:***
***Cleanup Contractor:***
***PWS:***
***Material Released:*** diesel
***Cleanup Efforts:***
***Incident Cross Str:***
***Party Involved Type:***
***Party Inv. Contact:***
***Party Inv Company:***
***Party Inv. Phone 1:***
***Party Inv. Phone 2:***
***Party Inv Address:***
***Party Inv City:***
***Party Inv. State:***
***Party Inv. Zip:***
***Complaint Employer:***
***Complainant City:***
***Complainant State:***
***Zip Complainant:***
***Complainant Name:***
***Complainant Phone 1:***
***Complainant Phone 2:***
***Complainant Street Address:***
***Emergency Crews:***
***Description - 1:***
***Description - 2:***

***GF Comp Date:***
***Weather or Wind:***
***Wind Direction:***
***Rain Condition:***
***Old Wind Direction:***
***Name of Water Body:*** ditch
***Last Updated Date:***
***Operator In:***
***District:*** SEMI (except AQD/Wayne)
***Office/After Hours:*** After Hrs.
***Ambs Intake Agent:***
***Observed Time Keep:***
***Tm Stamp Hr Orig:***
***Int Time Format:***
***Time Corr Format:***
***Report Date:*** 11/25/2018
***Time Stamp:***
***PEAS Dispatcher:*** CT - PEAS
***Special Referral:***
***Date and Time Stamp:***
***Optrinit:***
***Optrno:***
***Smu3init:***
***Pecctime:***
***Peccdate:***
***District Backup:***
***Incident Township:***
***Incident County:*** St. Clair
***Latitude:***
***Longitude:***

***Description - 3:***
***Description - 4:***
***Description - 5:***
***Description - 6:***
***Brief Description:***
***Peas Admin Section:***
***Sensitive Information:***
***DEQ Primary:***
***Lead Division 1:*** WRD-WQ
***Lead Division 2:***
***Source File:***
***Description 1 (2):***

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***Site:*** ***AIRPORT AIR INDUSTRIAL PARK WWTS***
***ST CLAIR COUNTY AIRPORT SAINT CLAIR MI 48079***

WASTE

***WDS ID:*** 477142
***Site ID:***
***County:*** ST CLAIR
***Legal Name:*** COUNTY OF ST CLAIR DEPARTMENT OF PUBLIC WORKS
***Contact Name:***

# Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:*

*"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."*

## *Standard Environmental Record Sources*

### *Federal*

***National Priority List:*** NPL

The U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL) includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program, based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. This data includes NPL sites represented as polygons, where available, that can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. As site investigation and remediation progress, OUs may be added, modified or refined. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

***Government Publication Date: Sep 25, 2024***

***National Priority List - Proposed:*** PROPOSED NPL

Sites proposed by the U.S. Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

***Government Publication Date: Sep 25, 2024***

***Deleted NPL:*** DELETED NPL

Sites deleted from the U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL). 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. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

***Government Publication Date: Sep 25, 2024***

***SEMS List 8R Active Site Inventory:*** SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the EPA's Facility Registry Service map tool.

***Government Publication Date: Jul 24, 2024***

***SEMS List 8R Archive Sites:*** SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

***Government Publication Date: Jul 24, 2024***

***Inventory of Open Dumps, June 1985:*** ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

***Government Publication Date: Jun 1985***

***EPA Report on the Status of Open Dumps on Indian Lands:*** IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

***Government Publication Date: Dec 31, 1998***

***Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS:*** CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

***Government Publication Date: Oct 25, 2013***

***CERCLIS - No Further Remedial Action Planned:*** CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means 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 this site on the National Priorities List (NPL). This 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 a potential NPL site.

***Government Publication Date: Oct 25, 2013***

***CERCLIS Liens:*** CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

***Government Publication Date: Jan 30, 2014***

***RCRA CORRACTS-Corrective Action:*** RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

***Government Publication Date: Oct 21, 2024***

***RCRA non-CORRACTS TSD Facilities:*** RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

***Government Publication Date: Oct 21, 2024***

***RCRA Generator List:*** RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

***Government Publication Date: Oct 21, 2024***

***RCRA Small Quantity Generators List:*** RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

***Government Publication Date: Oct 21, 2024***

***RCRA Very Small Quantity Generators List:*** RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

***Government Publication Date: Oct 21, 2024***

***RCRA Non-Generators:*** RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

***Government Publication Date: Oct 21, 2024***

***RCRA Sites with Controls:*** RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

***Government Publication Date: Oct 21, 2024***

***Federal Engineering Controls-ECs:*** FED ENG

List of Engineering controls (ECs) made availabe by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

***Government Publication Date: Nov 20, 2024***

***Federal Institutional Controls- ICs:*** FED INST

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

***Government Publication Date: Nov 20, 2024***

***Land Use Control Information System:*** LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

***Government Publication Date: Sep 1, 2006***

***Institutional Control Boundaries at NPL sites:*** NPL IC

These boundaries of Institutional Control areas at sites on the U.S. Environmental Protection Agency's (EPA) National Priorities List (NPL), or as Proposed or Deleted, are sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). The EPA's NPL includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes.

***Government Publication Date: Sep 25, 2024***

***Emergency Response Notification System:*** ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

***Government Publication Date: 1982-1986***

***Emergency Response Notification System:*** ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

***Government Publication Date: 1987-1989***

***Emergency Response Notification System:*** ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

***Government Publication Date: Oct 15, 2024***

***The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:*** FED BROWNFIELDS

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

***Government Publication Date: Feb 7, 2024***

***FEMA Underground Storage Tank Listing:*** FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

***Government Publication Date: Dec 31, 2017***

***Facility Response Plan:*** FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

***Government Publication Date: Jan 9, 2024***

***Delisted Facility Response Plans:*** DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

***Government Publication Date: Jan 9, 2024***

***Historical Gas Stations:*** HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

***Government Publication Date: Jul 1, 1930***

***Petroleum Refineries:*** REFN

This list of petroleum refineries is sourced from the U.S. Energy Information Administration (EIA), Refinery Capacity Report. The listing includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year. The geographic area the report covers is the 50 States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, and other U.S. possessions. Per the EIA, the facility location data represents the approximate location based on research of publicly available information from sources such as Federal agencies, company websites, and satellite images on public websites.

***Government Publication Date: Jun 6, 2024***

***Petroleum Product and Crude Oil Rail Terminals:*** BULK TERMINAL

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from the Federal Communications Commission Data hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

***Government Publication Date: Jun 6, 2024***

***LIEN on Property:*** SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

***Government Publication Date: Jul 24, 2024***

***Superfund Decision Documents:*** SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

***Government Publication Date: Oct 24, 2024***

***Formerly Utilized Sites Remedial Action Program:*** DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

***Government Publication Date: Mar 4, 2017***

## State

***Part 201 Site List:*** SHWS

A Part 201 Facility is an area, place, or property where a hazardous substance in excess of the concentrations that satisfy the cleanup criteria for unrestricted residential use has been released, deposited, disposed of, or otherwise comes to be located. This list is maintained by the Remediation and Redevelopment Division in Michigan Department of Environment, Great Lakes, and Energy (EGLE). This database serves a purpose similar to that of the federal Superfund Enterprise Management System (SEMS), functioning as a state-level counterpart for tracking potential hazardous substance release sites.

***Government Publication Date: Aug 13, 2024***

***Delisted Contaminated Sites:*** DELISTED CONTAM

The Michigan Department of Environment, Great Lakes, and Energy (EGLE) previously provided this list of delisted contaminated sites from Part 201, Part 213, and Baseline Environmental Assessment (BEA). Due to changes in agency tracking practices, as of November 2018 this list is no longer made available by EGLE.

***Government Publication Date: Jul 24, 2018***

***Delisted Hazardous and BEA Sites:*** DELISTED SHWS

This list is comprised of sites that were once included in the inventory of facilities (Part 201, BEA) list but have been removed. After the Michigan Department of Environment, Great Lakes, and Energy (EGLE) has determined that a BEA Part 201 site has been remediated, the site is removed from the inventory of facilities.

***Government Publication Date: Aug 13, 2024***

***State Sites Cleanup List of Sites:*** SITE CLEANUP

Public Act 380 of 1996 amended Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, PA 451 of 1994, by adding Section 20108c and creating the State Sites Cleanup Fund (SSCUF) and the State Sites Cleanup Program (SSCUP). Its intent was to fund environmental cleanups at contaminated sites where the state is a liable party as an owner or operator of the site, as defined in Section 20126 of Part 201. This list is maintained by the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

***Government Publication Date: Oct 31, 2023***

***Solid Waste Facilities and Landfills:*** SWF/LF

An inventory of solid waste and landfill facilities maintained by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This list contains all disposal area types and status types.

***Government Publication Date: Nov 14, 2024***

***Waste Data System:*** WASTE

The Waste Data System (WDS) tracks activities at sites regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs. This list of sites is provided by the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

***Government Publication Date: Nov 12, 2024***

***Recycling Facilities:*** RECYCLING

List of recycling facilities made available by the Michigan Recycling Coalition (MRC). The Coalition represents recycling and composting interests statewide and is a recognized authority on waste reduction, beneficial utilization, recycling, and composting.

***Government Publication Date: Feb 14, 2024***

***Leaking Underground Storage Tank:*** LUST

At the time of a release, the owner/operator is responsible for the corrective actions mandated by Part 213, Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act, 1994 of PA 451, as amended (NREPA). Owners/operators are required to hire consultants that meet the qualifications in Section 21325 of Part 213 to perform corrective actions, and to submit specific reports required by the statute. The Remediation Division of the Michigan Department of Environment, Great Lakes, and Energy (EGLE) is charged with selectively auditing the final assessment reports and closure reports.

***Government Publication Date: Jun 20, 2024***

***Delisted Leaking Underground Storage Tank:*** DELISTED LUST

This list is comprised of sites that were once included in the Leaking Underground Storage Tank list but have been removed. After the Michigan Department of Environment, Great Lakes, and Energy (EGLE) has determined that a Leaking Underground Storage Tank (LUST) site has been excluded from the DEQ STID Database, the site is removed from the inventory of facilities.

***Government Publication Date: Jun 20, 2024***

***Underground Storage Tank:*** UST

This Underground Storage Tank (UST) data is provided by the Michigan Department of Licensing and Regulatory Affairs' (LARA) Storage Tank Division (STD) and the Michigan Department of Environment, Great Lakes, and Energy's (EGLE) Remediation Information Data Exchange (RIDE). The STD's UST Program includes regulatory activities and oversight of the design, construction, installation and maintenance of USTs storing regulated substances. The regulatory authority is under Part 211, Underground Storage Tank Regulations, of Act 451 of 1994, as amended, and the Michigan Underground Storage Tank Rules (MUSTR). Active UST facilities are those where there is at least one tank at the facility that is not closed in place or removed and is regulated under Part 211. There may be closed tanks and/or active non-regulated tanks (such as heating oil tanks) at Active facilities. Closed UST facilities are those at which all tanks at the facility that are regulated under Part 211 are closed; there may be non-regulated active tanks at closed facilities, such as heating oil tanks or tanks with a capacity smaller than the regulatory threshold. The data includes UST sites from LARA's Master List, EGLE's RIDE Mapper, and EGLE'S RIDE Registered USTs Per Part 211 online database.

***Government Publication Date: Sep 26, 2024***

***Aboveground Storage Tanks:*** AST

The Aboveground Storage Tank (AST) Program in the Michigan Department of Licensing and Regulatory Affairs (LARA) regulates the following: storage and handling of flammable and combustible liquids with flash point less than 200 degrees Fahrenheit, storage and handling of liquefied petroleum gases compressed natural gas vehicular systems. The regulatory authority is from the Fire Prevention Code, 1941 PA 207, as amended, and the rules promulgated under the act.

***Government Publication Date: Oct 31, 2024***

***Tank Facilities Not Currently Registered:*** UNREG TANK

A list of tanks known to the Department of Licensing and Regulatory Affairs in Michigan which do not require registration.

***Government Publication Date: May 29, 2019***

***Storage Tank Facility:*** TANK FACILITY

A list of aboveground and underground storage tank facilities where tank details are not available. This list is made available by the Michigan Department of Licensing and Regulatory Affairs (LARA).

***Government Publication Date: Oct 8, 2024***

***Delisted Storage Tank:*** DELISTED TANK

This list is comprised of sites that were once included in the Storage Tank list but have been removed. After the Michigan Department of Environment, Great Lakes, and Energy (EGLE) has determined that an Storage Tank site has been excluded from the DEQ STID Database, the site is removed from the inventory of facilities.

***Government Publication Date: Oct 31, 2024***

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

This list of sites with Engineering and/or Institutional Controls in place is provided by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). The site list was compiled from EGLE's applicable FOIA file/s and EGLE Mapper's Land Use Restriction layer data. Michigan's environmental remediation program authorizes EGLE to set cleanup standards by considering how the contaminated land will be used in the future. Michigan's cleanup standards are risk-based and reflect the potential for human health or ecological risks from exposure to hazardous or regulated substances at contaminated sites. A person may use land use or resource use restrictions, as outlined in Part 201 and Part 213, to manage risk by reducing or restricting exposure to environmental contamination left in-place at a property.

***Government Publication Date: Oct 4, 2024***

***Brownfield Redevelopment Financing Act Sites:*** BROWNFIELDS

List of sites included in the Michigan Department of Environment, Great Lakes, and Energy (EGLE)'s reporting on Brownfield Redevelopment Financing Act activities. Additionally includes Brownfields sites found in EGLE's Environmental Mapper. In Michigan, the Brownfield Redevelopment Financing Act (Act 381) of 1996 authorizes municipalities to create brownfield redevelopment authorities to facilitate the implementation of brownfield plans and to create brownfield redevelopment zones in order to promote the revitalization, redevelopment, and reuse of certain properties.

***Government Publication Date: Dec 31, 2021***

***Brownfield Redevelopment Sites:*** BFLD REDEV

The Brownfield Redevelopment Financing Act Report is a summary of the information contained in brownfield plans and work plans submitted to the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This site listing is specific to Act 381 Work Plans approved by EGLE's Remediation and Redevelopment Division for calendar years. EGLE and the Michigan Strategic Fund are required to report on a quarterly basis information for each project approved during the preceding quarter (MCL 125.2666 Section 16(5)(a)). This requirement was included in the December 2012 Amendments to the Brownfield Redevelopment Financing Act, 1996 PA 381.

***Government Publication Date: Jul 18, 2024***

***Brownfields-USTfields Site Directory:*** BFLD UST

The Brownfields-USTfields Site Directory made available by the Michigan Department of Environment, Great Lakes, and Energy's (EGLE) contains information about state-nominated and state-funded cleanup sites as well as sites that have been redeveloped using the Baseline Environmental Assessment (BEA) process. It is not a full list of contaminated properties in Michigan, and is intended to be utilized as supplemental information for the Part 201 Site Search, Part 211 Underground Storage Tank Site, and Part 213 Leaking Underground Storage Tank Site databases. This list was provided by the Michigan Department of Environmental Quality and was last revised by the DEQ in 2014.

***Government Publication Date: 2014***

***Residential Closures Inventory:*** NFA RES

This Inventory of Residential Closures is made available by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). The Inventory of Residential Closures represents a subset of residential closures approved by the EGLE. These residential closures were submitted to the EGLE in a No Further Action Report, satisfy the limited residential cleanup criteria under section 20120a(1)(c) of Part 201 or the site-specific residential cleanup criteria under sections 20120a(2) and 20120b of Part 201, include land use or resource use restrictions, and were specifically requested by the submitter of the No Further Action Report.

***Government Publication Date: Sep 19, 2024***

### *Tribal*

***Leaking Underground Storage Tanks on Tribal/Indian Lands:*** INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 5, which includes Michigan, is made available by the United States Environmental Protection Agency (EPA).

***Government Publication Date: Apr 11, 2024***

***Underground Storage Tanks on Tribal/Indian Lands:*** INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 5, which includes Michigan, is made available by the United States Environmental Protection Agency (EPA).

***Government Publication Date: Apr 11, 2024***

***Delisted Tribal Leaking Storage Tanks:*** DELISTED INDIAN LST

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

***Government Publication Date: May 7, 2024***

***Delisted Tribal Underground Storage Tanks:*** DELISTED INDIAN UST

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

***Government Publication Date: May 7, 2024***

### *County*

***No County databases were selected to be included in the search.***

## *Additional Environmental Record Sources*

### *Federal*

***PFAS Greenhouse Gas Emissions Data:*** PFAS GHG

The U.S. Environmental Protection Agency's Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO2e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. Includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures by DSSTox. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time.

***Government Publication Date: Aug 5, 2024***

***On-Scene Coordinator Response Sites:*** OSC RESPONSE

This list of On-Scene Coordinator (OSC) Response Sites is provided by the U.S. Environmental Protection Agency (EPA). OSCs are the federal officials responsible for monitoring or directing responses to all oil spills and hazardous substance releases reported to the federal government. OSCs coordinate all federal efforts with, and provide support and information to local, state, and regional response communities. An OSC is an agent of either EPA or the U.S. Coast Guard (USCG), depending on where the incident occurs. EPA's OSCs have primary responsibility for spills and releases to inland areas and waters. USCG OSCs have responsibility for coastal waters and the Great Lakes. In general, an OSC has the following key responsibilities during and after a response: Assessment, Monitoring, Response Assistance, and Evaluation.

***Government Publication Date: Apr 4, 2024***

***Facility Registry Service/Facility Index:*** FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

***Government Publication Date: Aug 1, 2024***

***Toxics Release Inventory (TRI) Program:*** TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment. This database includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

***Government Publication Date: Sep 20, 2023***

***PFOA/PFOS Contaminated Sites:*** PFAS NPL

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain 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. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

***Government Publication Date: Sep 18, 2024***

***Federal Agency Locations with Known or Suspected PFAS Detections:*** PFAS FED SITES

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. The dates this data was extracted for the PFAS Analytic Tools range from 2022 to 2024. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

***Government Publication Date: Jul 22, 2024***

***SSEHRI PFAS Contamination Sites:*** PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the PFAS Project Lab, part of the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map by the PFAS-REACH team, credited to PFAS Project Lab, Silent Spring Institute, and PFAS Exchange. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: https://pfasproject.com/pfas-sites-and-community-resources/

***Government Publication Date: Jun 27, 2024***

***National Response Center PFAS Spills:*** PFAS ERNS

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam, "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

***Government Publication Date: Sep 23, 2024***

***PFAS NPDES Discharge Monitoring:*** PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

***Government Publication Date: Sep 30, 2024***

***Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory:*** PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment. This listing includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

***Government Publication Date: Sep 20, 2023***

***PFAS Water Quality Portal Sampling Data:*** PFAS WATER

This Per- and Poly-Fluoroalkyl Substances (PFAS) Environmental Media Sampling Data is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The Water Quality Portal (WQP), as a cooperative service sponsored by the United States Geological Survey, the EPA, and the National Water Quality Monitoring Council, is 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. Limitations: EPA did not carry out the sampling or testing of a majority of the data in the WQP PFAS dataset. EPA can only speak to the accuracy and completeness of the data from projects like the National Aquatic Resource Surveys for which EPA is the data owner/organization. Data may exist within the file on Quality Assurance Project Plans (QAPPs) and the approving agency of the QAPP, if a QAPP is entered.

***Government Publication Date: Jul 22, 2024***

***PFAS TSCA Manufacture and Import Facilities:*** PFAS TSCA

The U.S. Environmental Protection Agency (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. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

***Government Publication Date: Jan 5, 2023***

***PFAS Waste Transfers from RCRA e-Manifest :*** PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. 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 Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

***Government Publication Date: Sep 22, 2024***

***PFAS Industry Sectors:*** PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

***Government Publication Date: Sep 23, 2024***

***Hazardous Materials Information Reporting System:*** HMIRS

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

***Government Publication Date: May 29, 2024***

***National Clandestine Drug Labs:*** NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data 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.

***Government Publication Date: Nov 30, 2023***

***Toxic Substances Control Act:*** TSCA

The U.S. Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule. The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI). EPA CDR collections occur approximately every four years and reporting requirements change per collection.

***Government Publication Date: May 12, 2022***

***Hist TSCA:*** HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

***Government Publication Date: Dec 31, 2006***

***FTTS Administrative Case Listing:*** FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

***Government Publication Date: Jan 19, 2007***

***FTTS Inspection Case Listing:*** FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

***Government Publication Date: Jan 19, 2007***

***Potentially Responsible Parties List:*** PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

***Government Publication Date: Jul 24, 2024***

***State Coalition for Remediation of Drycleaners Listing:*** SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

***Government Publication Date: Nov 08, 2017***

***Integrated Compliance Information System (ICIS):*** ICIS

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

***Government Publication Date: Apr 13, 2024***

***Drycleaner Facilities:*** FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

***Government Publication Date: May 5, 2024***

***Delisted Drycleaner Facilities:*** DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

***Government Publication Date: May 5, 2024***

***Formerly Used Defense Sites:*** FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

***Government Publication Date: May 15, 2023***

***FUDS Munitions Response Sites:*** FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

***Government Publication Date: May 15, 2023***

***Former Military Nike Missile Sites:*** FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

***Government Publication Date: Dec 2, 1984***

***PHMSA Pipeline Safety Flagged Incidents:*** PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

***Government Publication Date: May 6, 2024***

***Material Licensing Tracking System (MLTS):*** MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

***Government Publication Date: May 11, 2021***

***Historic Material Licensing Tracking System (MLTS) sites:*** HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

***Government Publication Date: Jan 31, 2010***

***Mines Master Index File:*** MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

***Government Publication Date: Feb 5, 2024***

***Surface Mining Control and Reclamation Act Sites:*** SMCRA

This inventory of land and water impacted by past mining (primarily legacy coal mining operations) is maintained by the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement (OSMRE), as it provides information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) Problems, as well as information on the cost associated with the reclamation of those problems. The data 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. Disclaimer: Per the OSMRE, States and tribes who enter their data into e-AMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

***Government Publication Date: May 20, 2024***

***Mineral Resource Data System:*** MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

***Government Publication Date: Mar 15, 2016***

***DOE Legacy Management Sites:*** LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

***Government Publication Date: Dec 12, 2023***

***Alternative Fueling Stations:*** ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

***Government Publication Date: Aug 29, 2024***

***Superfunds Consent Decrees:*** CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Cases filed since 2010 limited to the following: Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS); and applicable ENRD's Environmental Defense Section (EDS) CERCLA Cases with "Consent" in History Note. CMS may not reflect the latest developments in a case, nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

***Government Publication Date: Jun 26, 2024***

***Air Facility System:*** AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

***Government Publication Date: Oct 17, 2014***

***Registered Pesticide Establishments:*** SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

***Government Publication Date: Feb 29, 2024***

***Polychlorinated Biphenyl (PCB) Transformers:*** PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

***Government Publication Date: Oct 15, 2019***

***Polychlorinated Biphenyl (PCB) Notifiers:*** PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

***Government Publication Date: May 23, 2024***

***Power Plants:*** POWER PLANTS

This list of power plants is provided by the U.S. Energy Information Administration (EIA). The listing includes operable electric generating plants in the United States by energy source, originating from the EIA-860, Annual Electric Generator Report; EIA-860M, Monthly Update to the Annual Electric Generator Report; and EIA-923, Power Plant Operations Report. It includes all operable plants by energy source with a combined nameplate capacity of 1 megawatt or more that are operating, are on standby, or out of service for short- or long-term.

***Government Publication Date: Apr 15, 2024***

## State

***Pollution Emergency Alerting (PEAS):*** SPILLS

The PEAS listing maintained by the Michigan Department of Environment, Great Lakes, and Energy (EGLE) points out the environmental damages/pollution, such as tanker accidents, pipeline breaks, and releases of reportable quantities of hazardous substances. Inconsistencies which existed in the data as it came from the source have not been interpreted or fixed, the data is provided as it was received from the DEQ.

***Government Publication Date: Sep 27, 2024***

***Baseline Environmental Assessment:*** BEA

A Michigan Baseline Environmental Assessment (BEA) from the Michigan Department of Environment, Great Lakes, and Energy (EGLE) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

***Government Publication Date: Dec 17, 2020***

***Michigan PFAS Sites:*** PFAS CONTAM

A list of Per- and Polyfluoroalkyl substances (PFAS) sites made available by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). A PFAS site is a property where EGLE has a valid groundwater monitoring well sample result that exceeds one or more of Michigan's seven PFAS groundwater cleanup criteria: PFOA (8 ppt), PFOS (16 ppt), PFNA (6 ppt), PFHxS (51 ppt), PFHxA (400,000 ppt), PFBS (420 ppt), and HFPO-DA (370 ppt), and based on data, EGLE has determined the property is the location of the source of PFAS contamination (e.g., fire training area where PFAS-containing foam was used).

***Government Publication Date: Feb 15, 2024***

***Dry Cleaning Facilities:*** DRYCLEANERS

A listing of dry cleaning facilities registered with the Air Quality Division in the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

***Government Publication Date: Apr 25, 2024***

***Delisted Drycleaners List:*** DELISTED DRYCLEANERS

List of sites removed from the drycleaning facilities database made available by the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

***Government Publication Date: Apr 25, 2024***

***Perfected Liens List:*** LIEN

A list of perfected liens on properties pursuant to Section 20138 of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), MCL 324.20101 et seq. This list is made available by the Michigan Department of Environment, Great Lakes, and Energy (EGLE), Remediation and Redevelopment Division (RRD).

***Government Publication Date: Jul 22, 2024***

## Tribal

***No Tribal additional environmental record sources available for this State.***

## County

***No County additional environmental databases were selected to be included in the search.***

# Definitions

***Database Descriptions:*** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

***Detail Report***: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

***Distance:*** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

***Direction:*** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

***Elevation:*** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

***Executive Summary:*** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

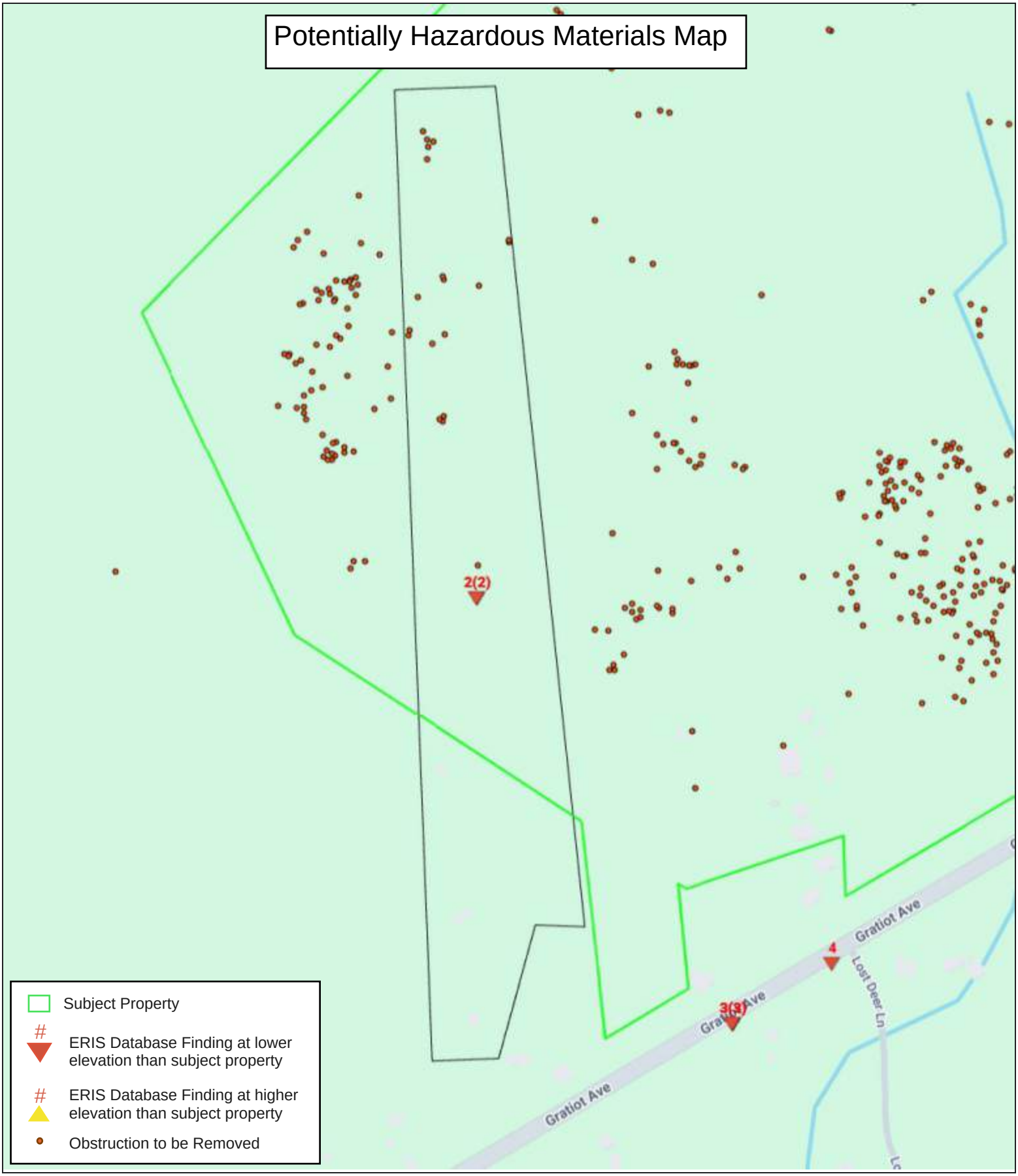
***Map Key:*** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

***Unplottables:*** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

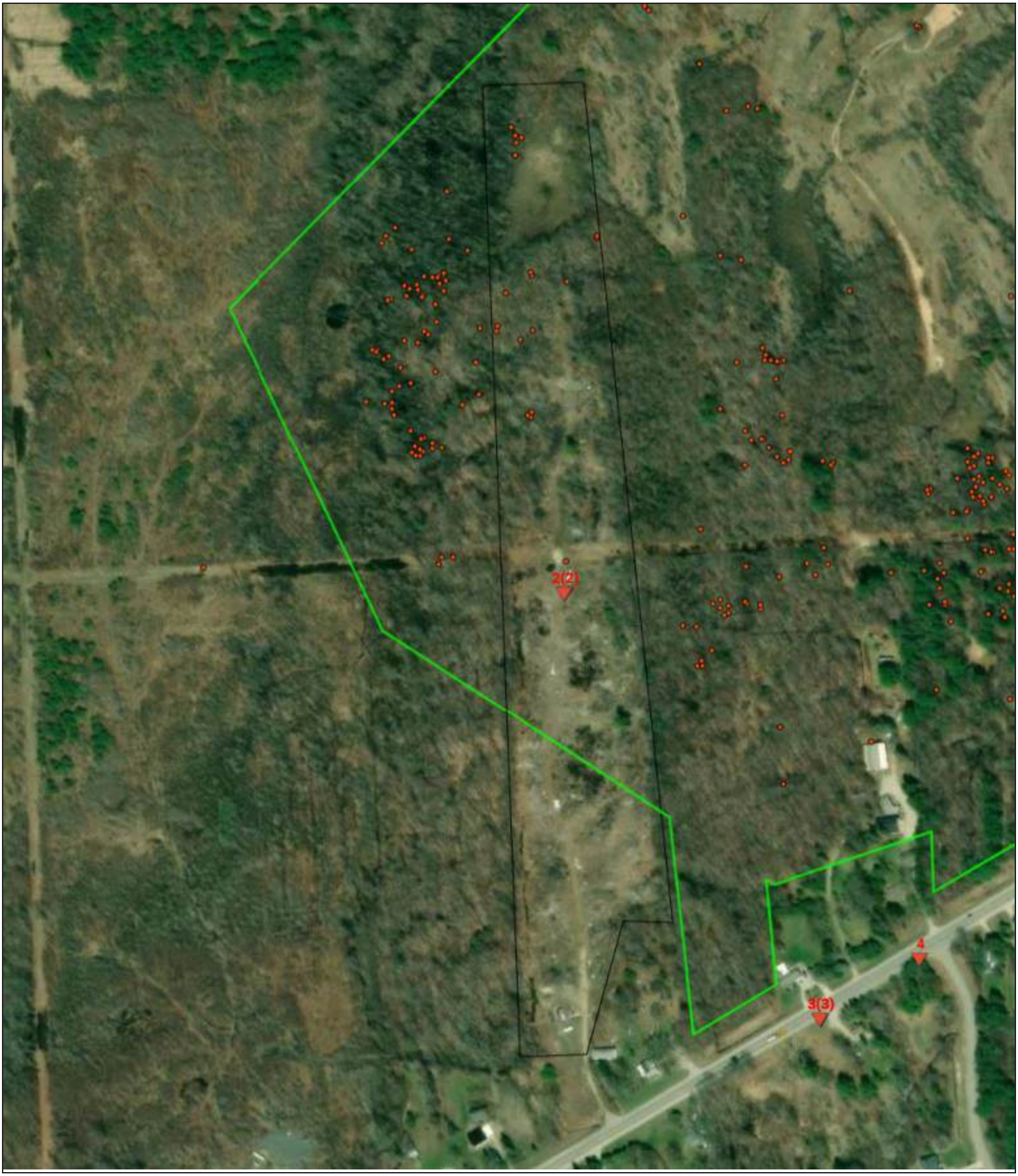
## Appendix I. Potentially Hazardous Materials Map

# Potentially Hazardous Materials Map




Source/Year : Google Base Map

Mead & Hunt

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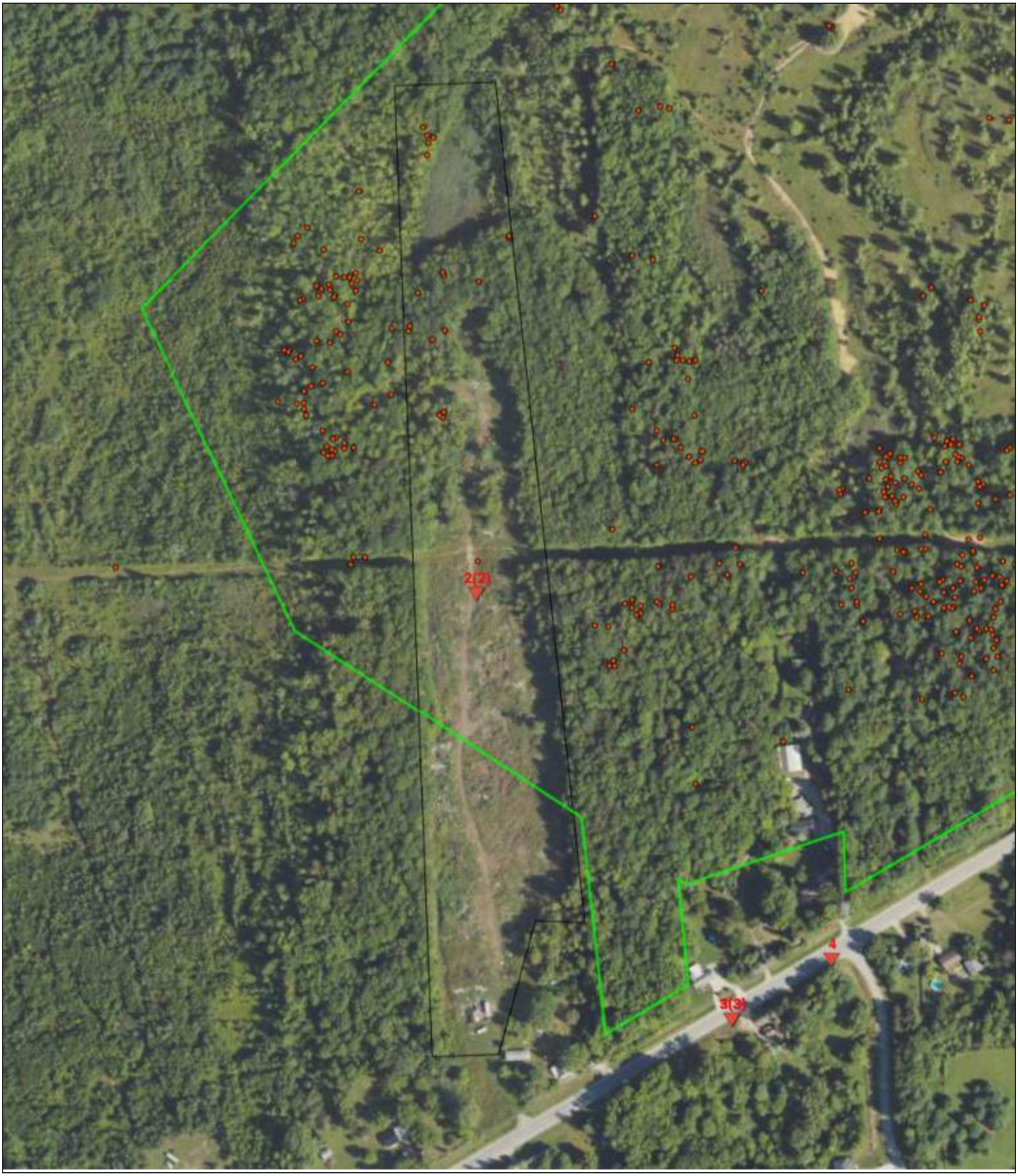
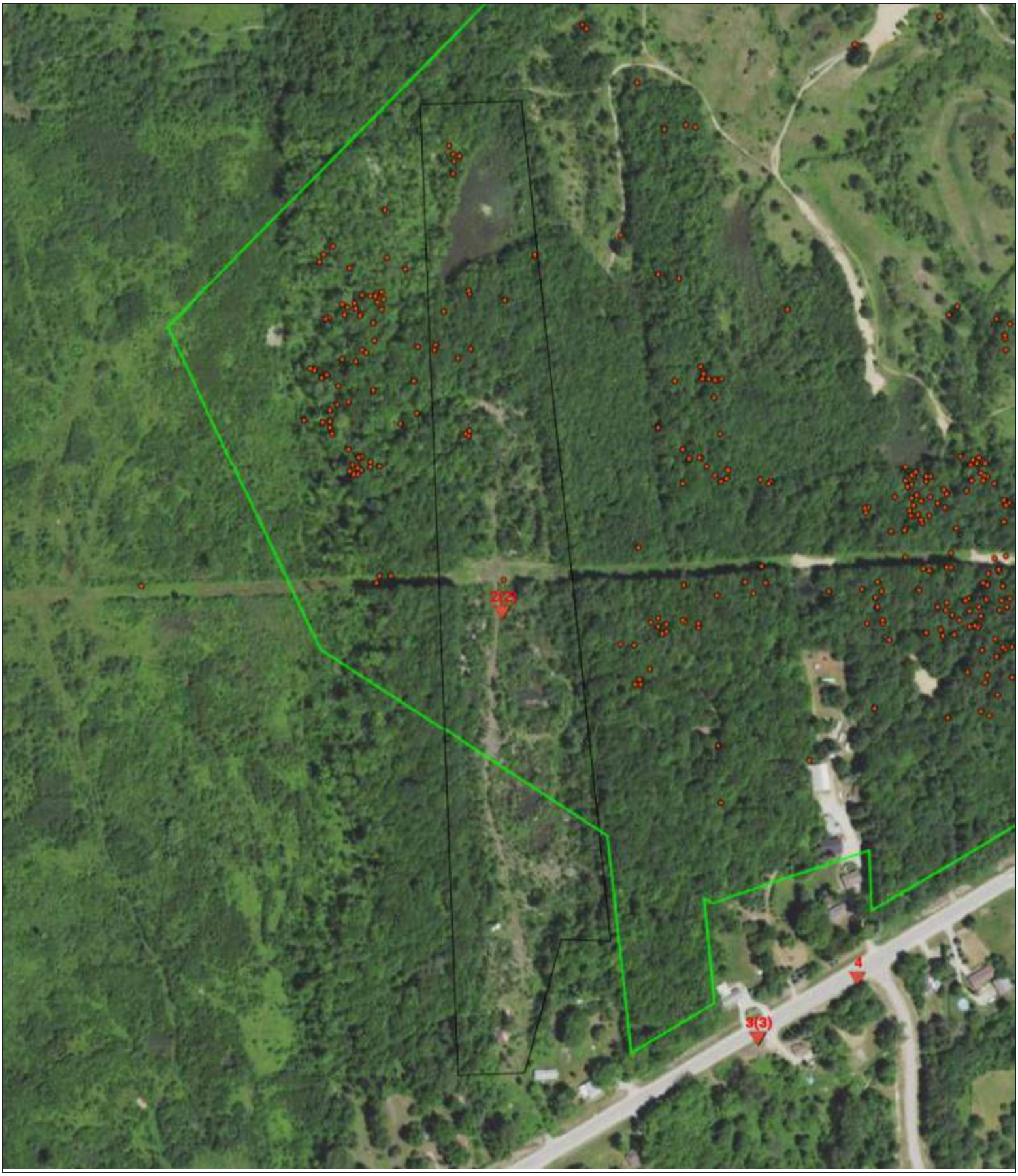
Mead&Hunt



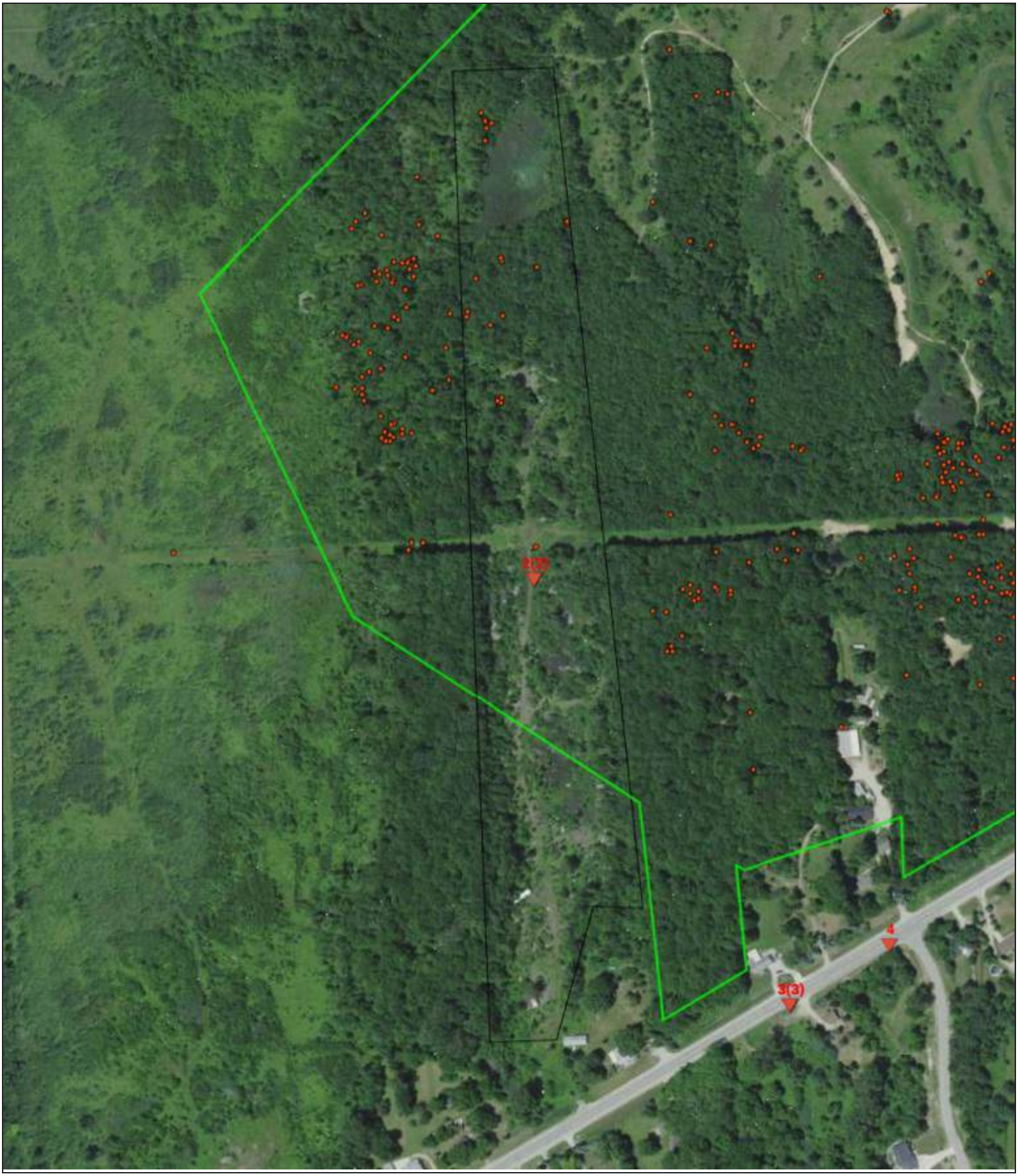

Source/Year : United States Department of Agriculture, 2022

Mead & Hunt



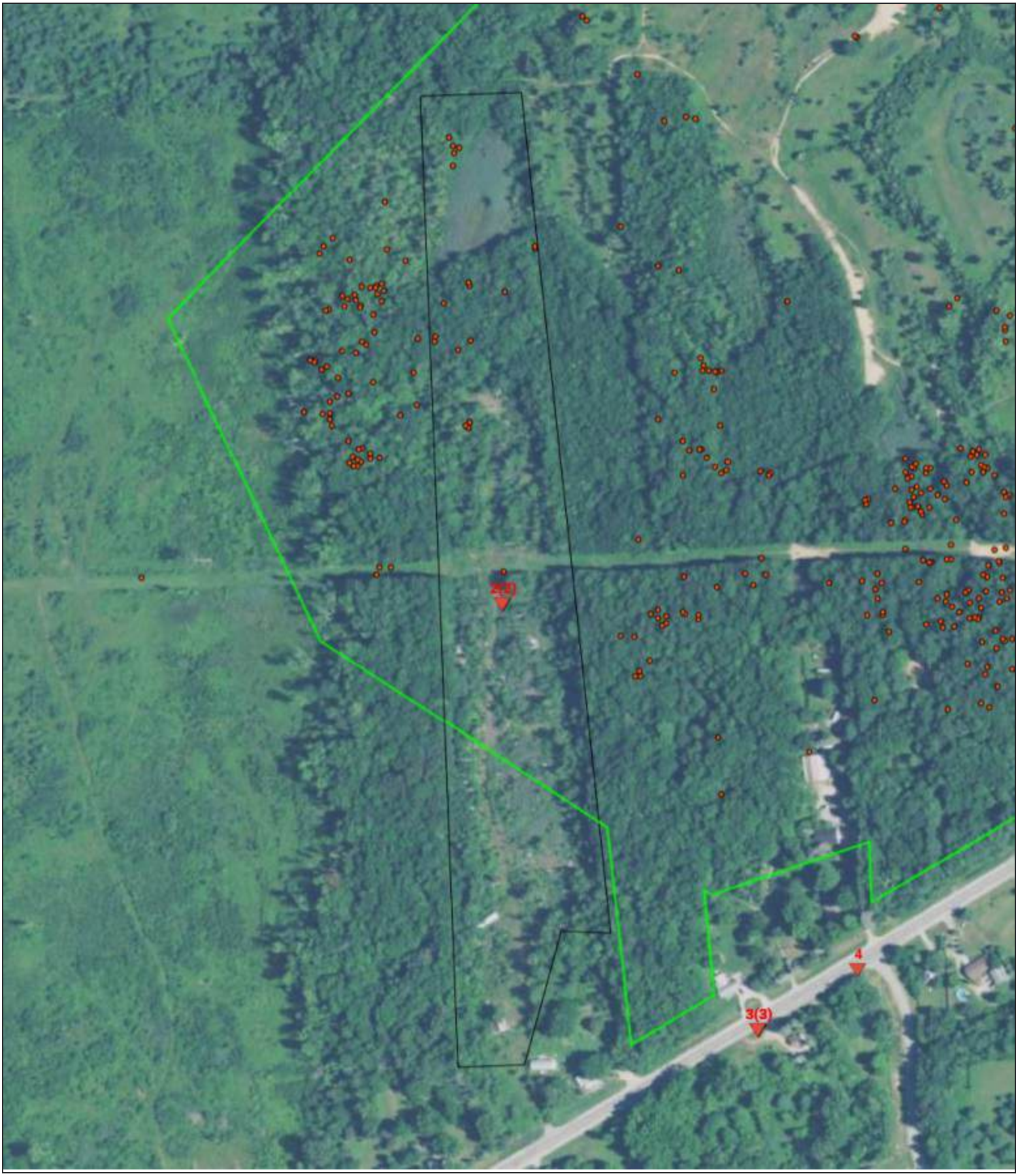

Source/Year : United States Department of Agriculture, 2020

Mead & Hunt




Source/Year : United States Department of Agriculture, 2018

Mead & Hunt

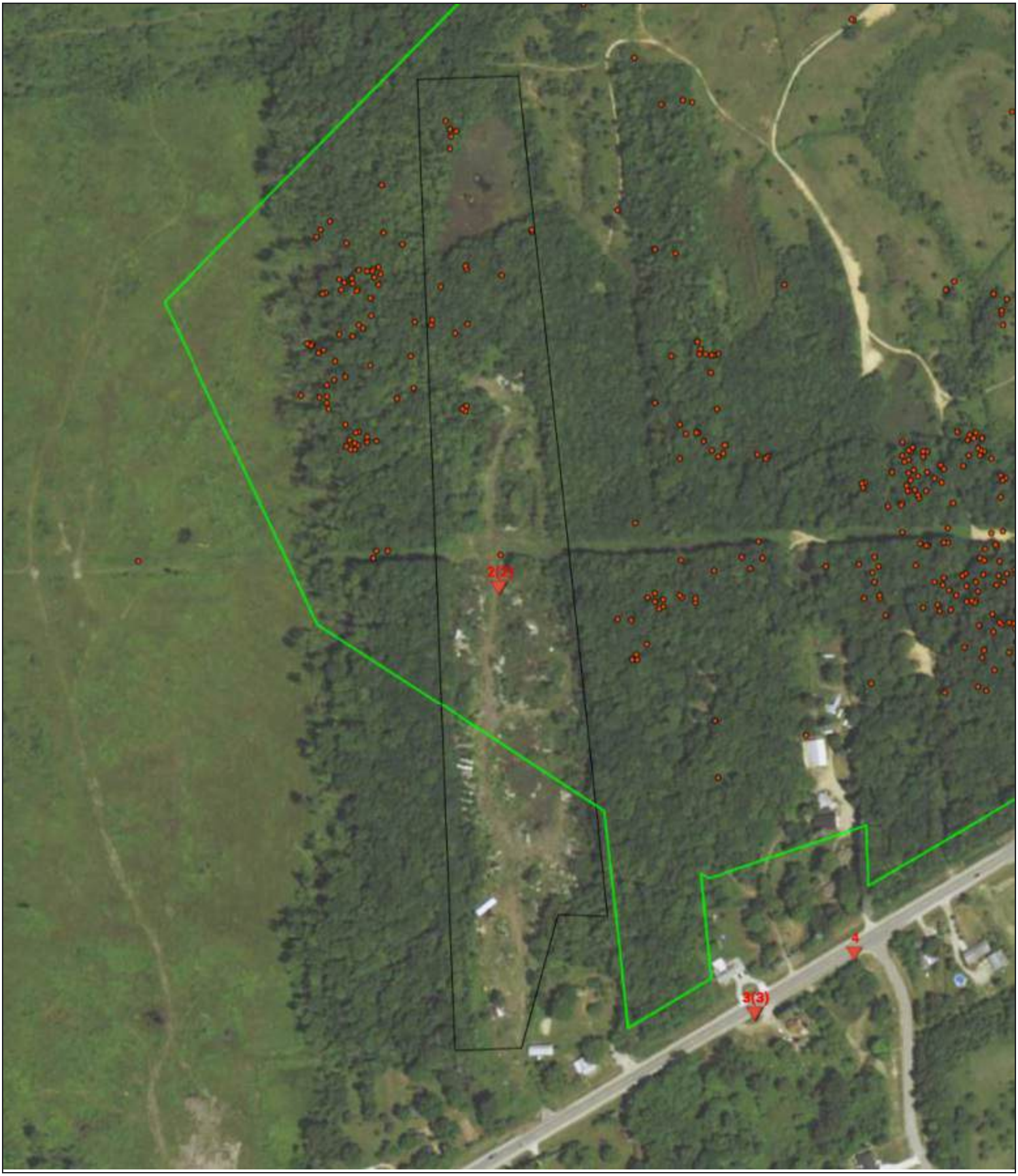



Source/Year : United States Department of Agriculture, 2016

Mead & Hunt

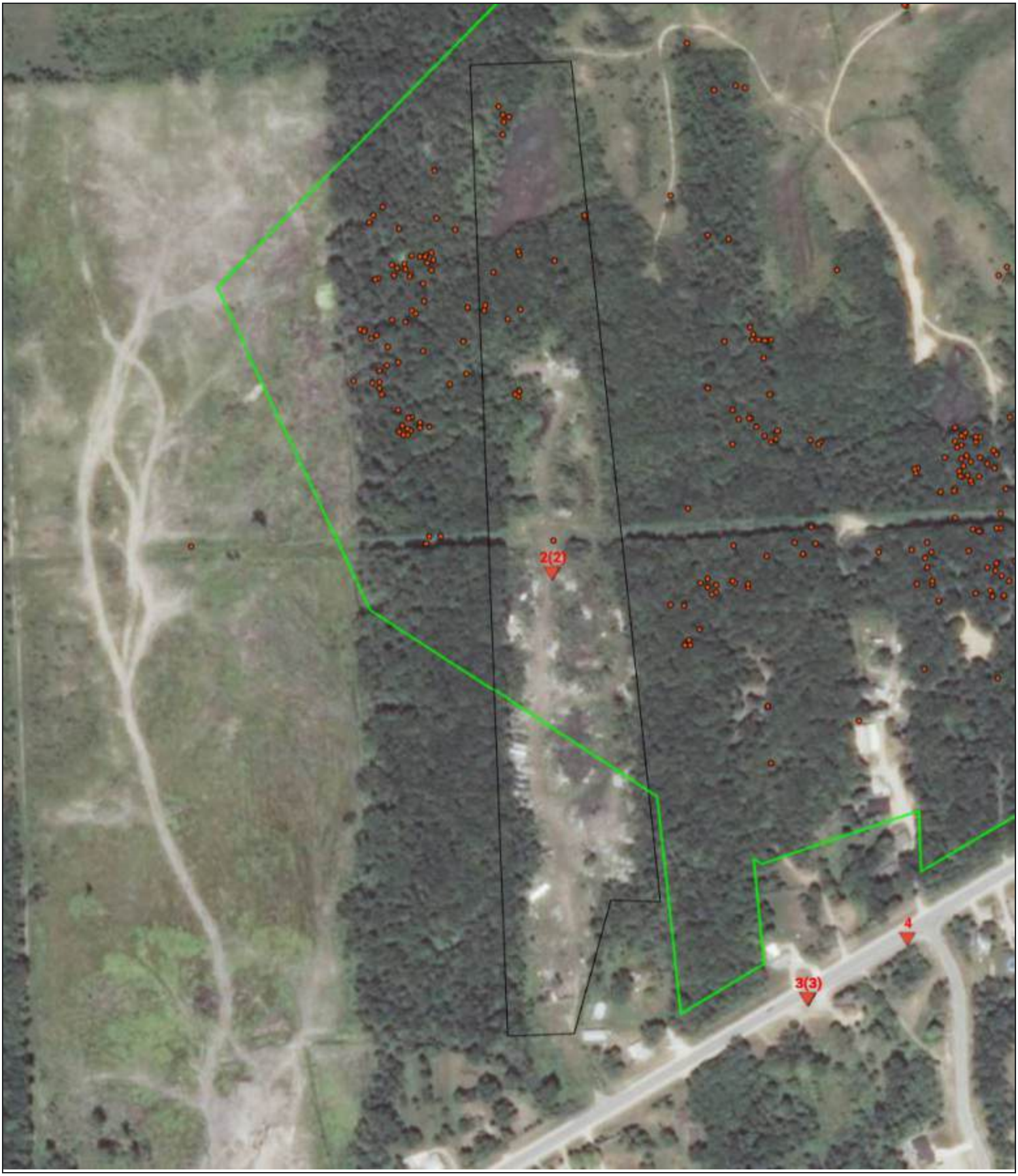

Source/Year : United States Department of Agriculture, 2014

Mead & Hunt



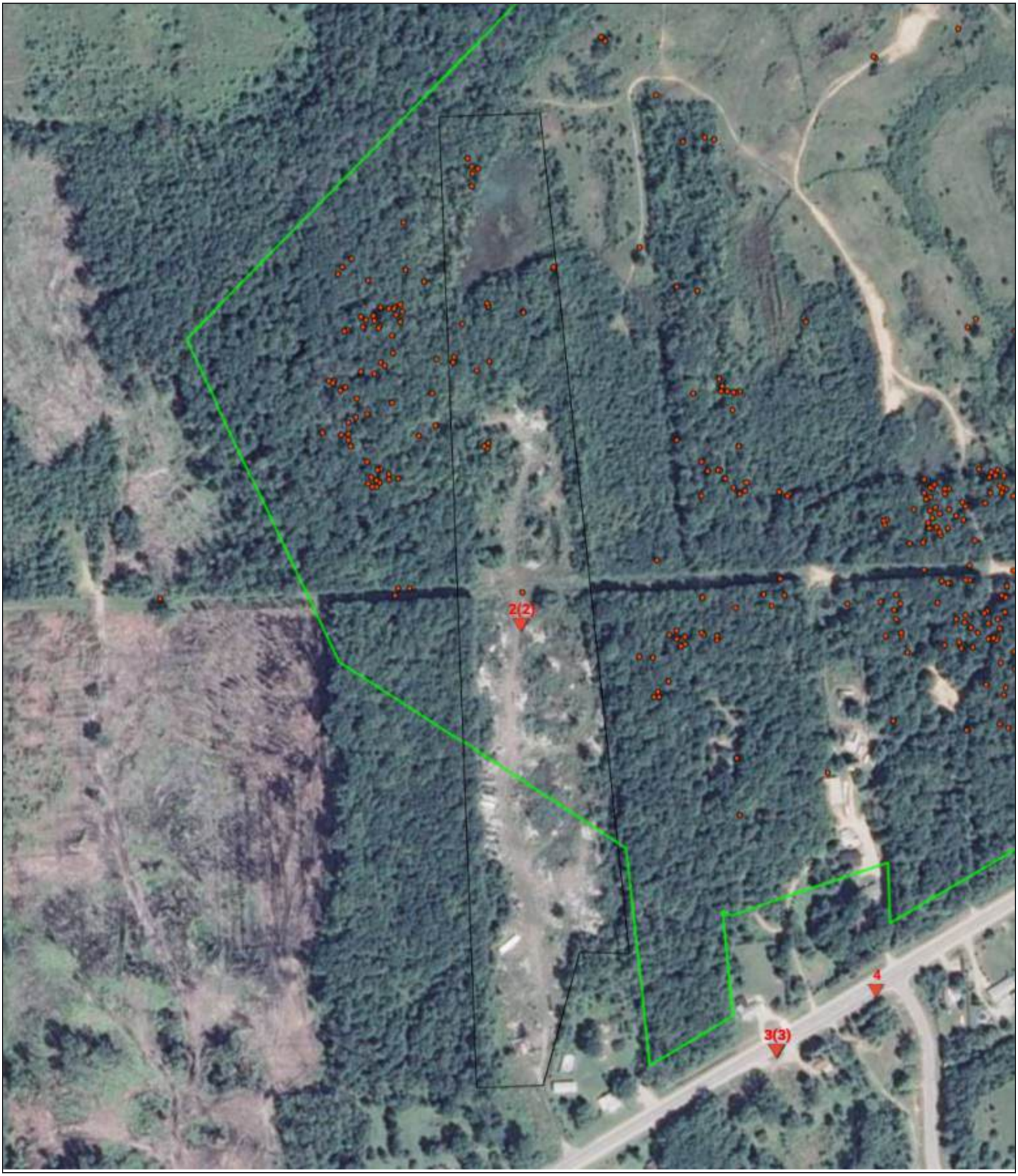

Source/Year : United States Department of Agriculture, 2012

Mead & Hunt




Source/Year : United States Department of Agriculture, 2010

Mead & Hunt

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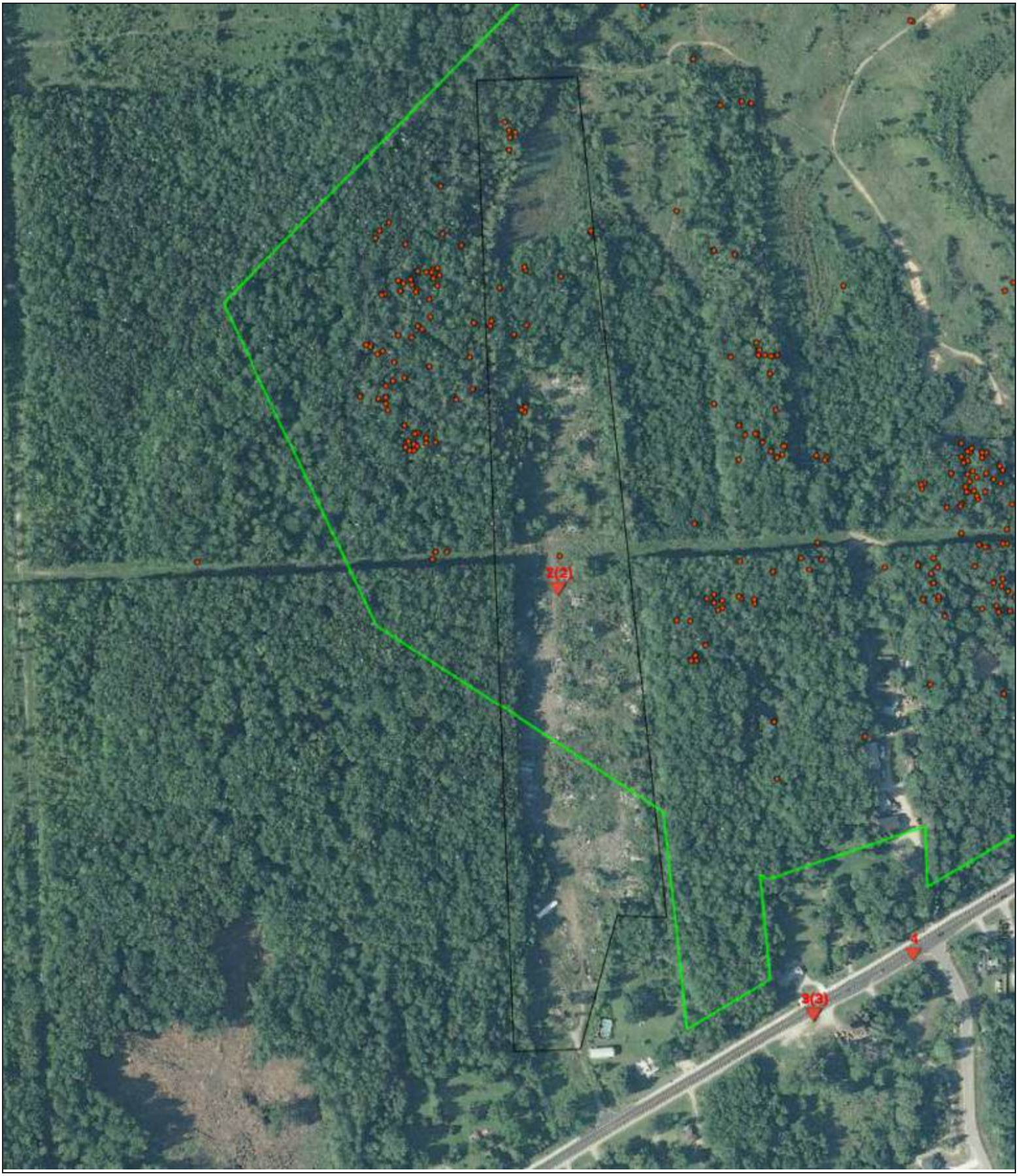
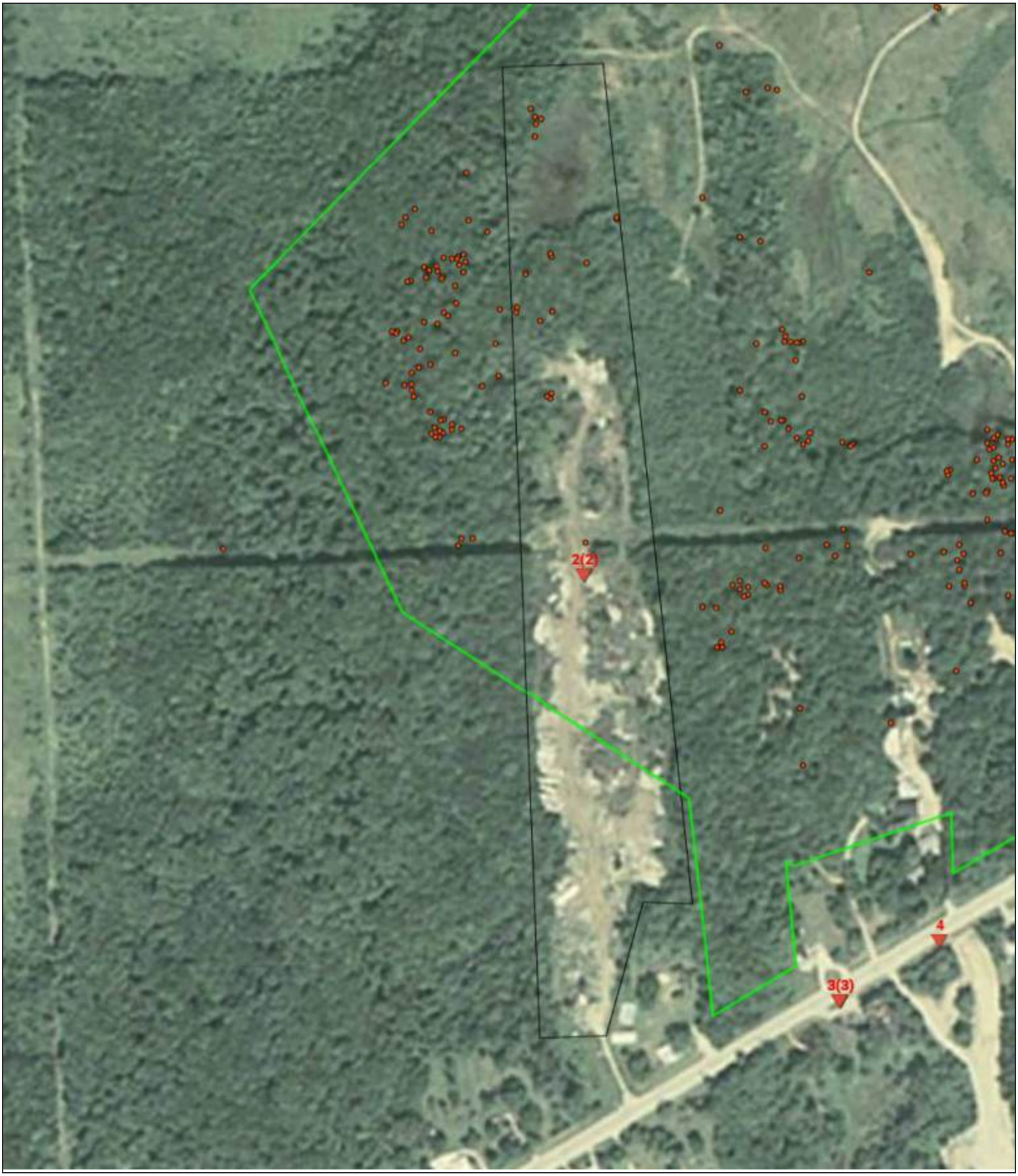
Mead & Hunt



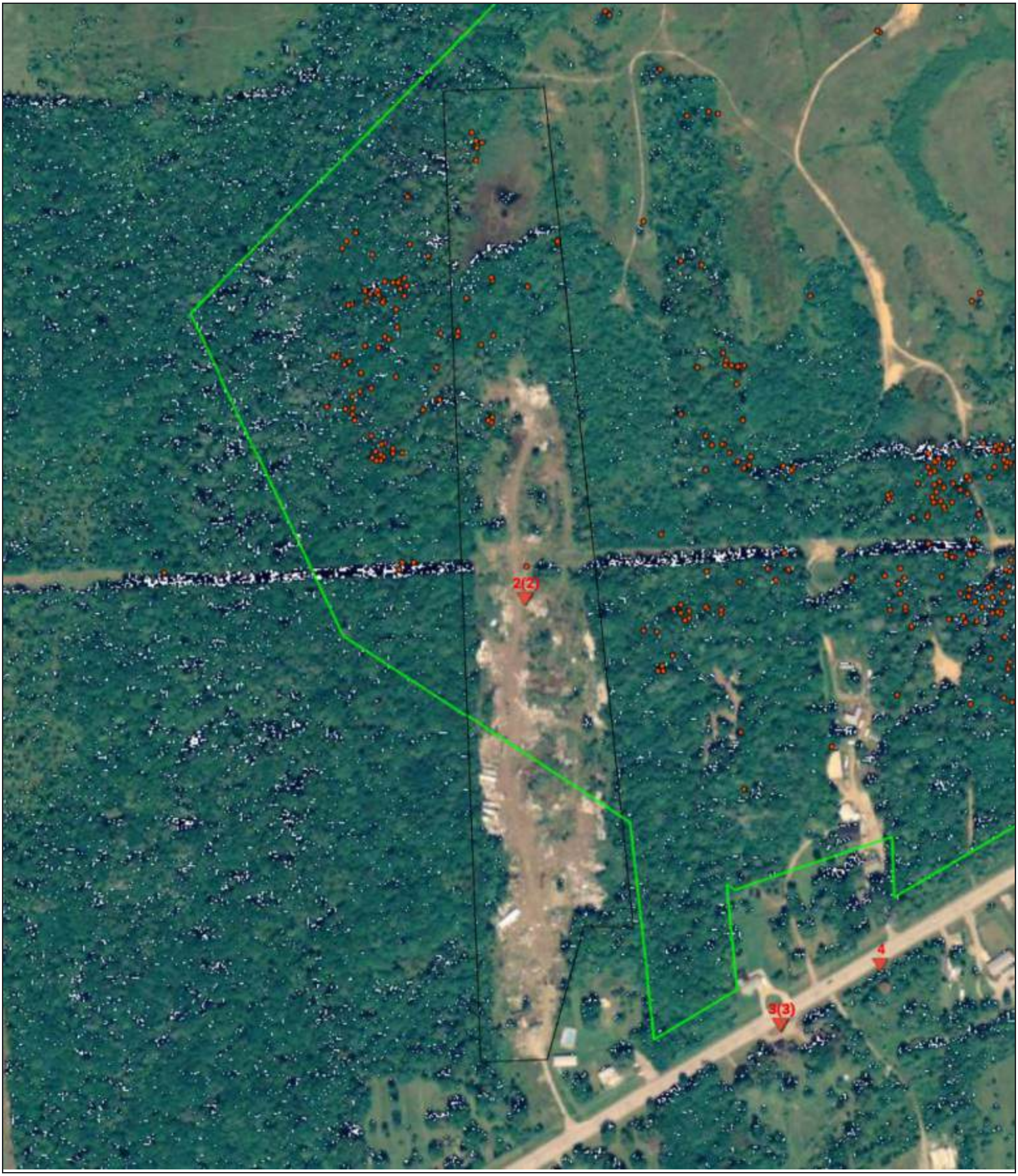

Source/Year : United States Geological Survey, 2008

Mead & Hunt




Source/Year : United States Department of Agriculture, 2006

Mead & Hunt

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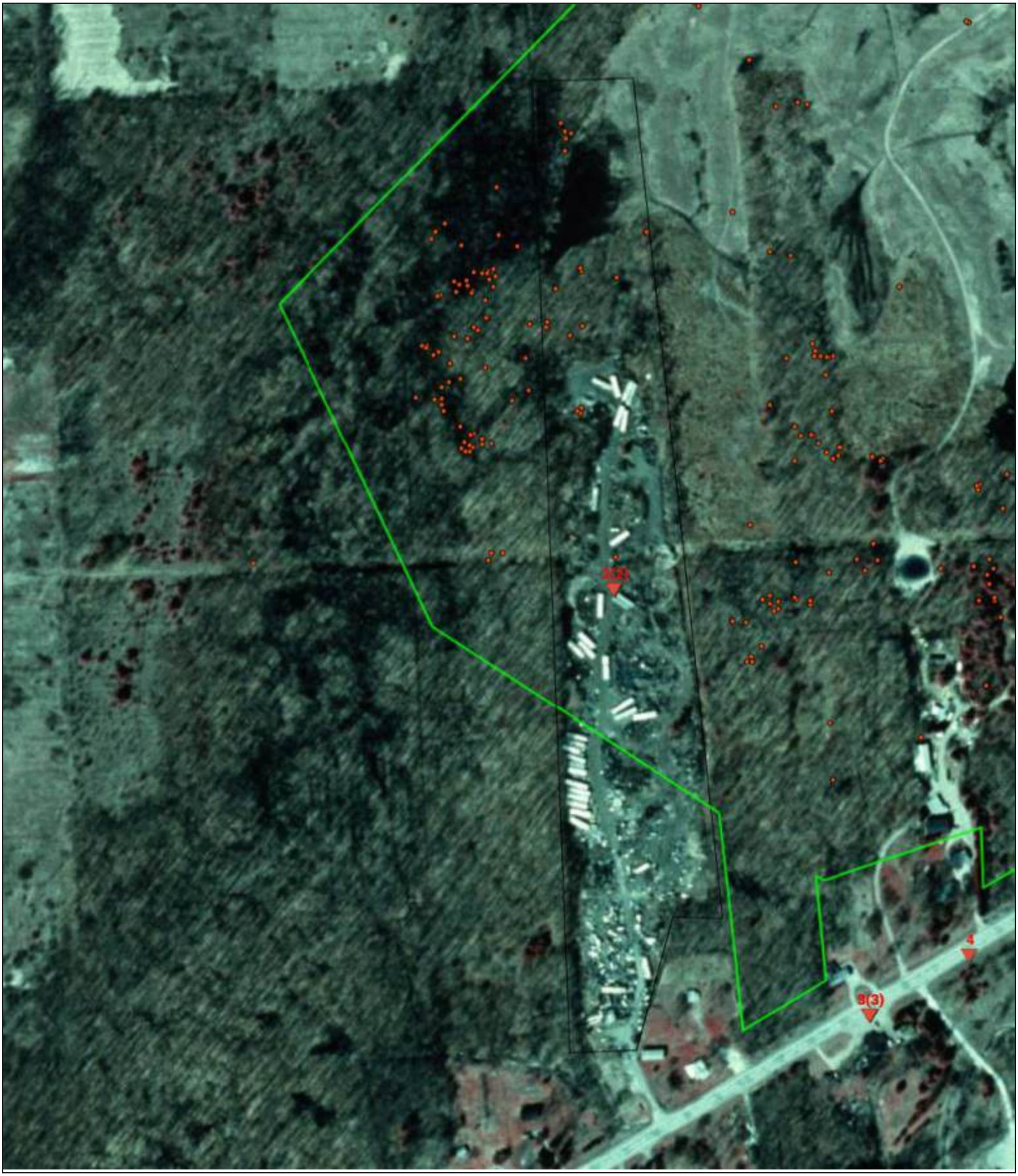
Mead & Hunt

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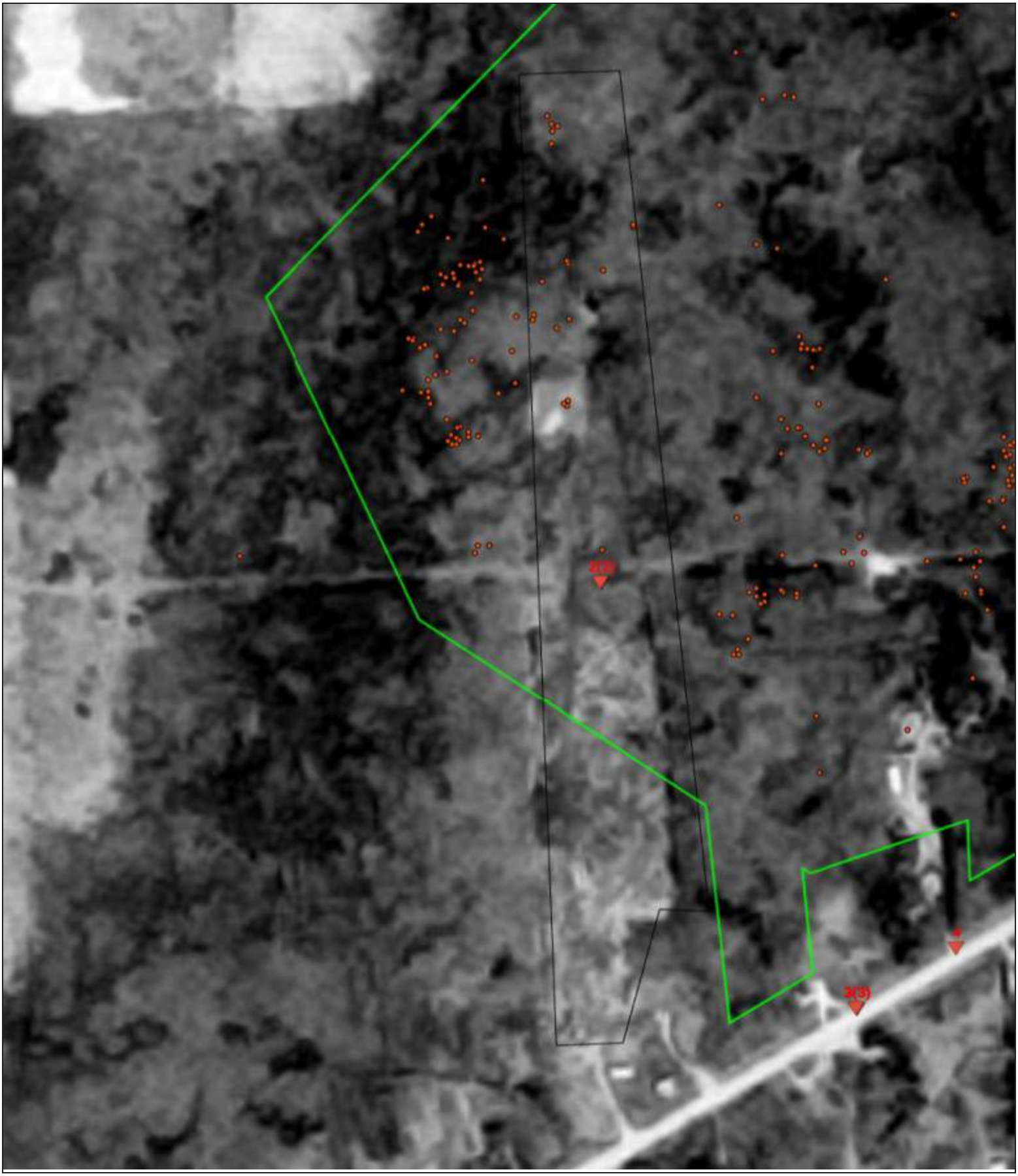

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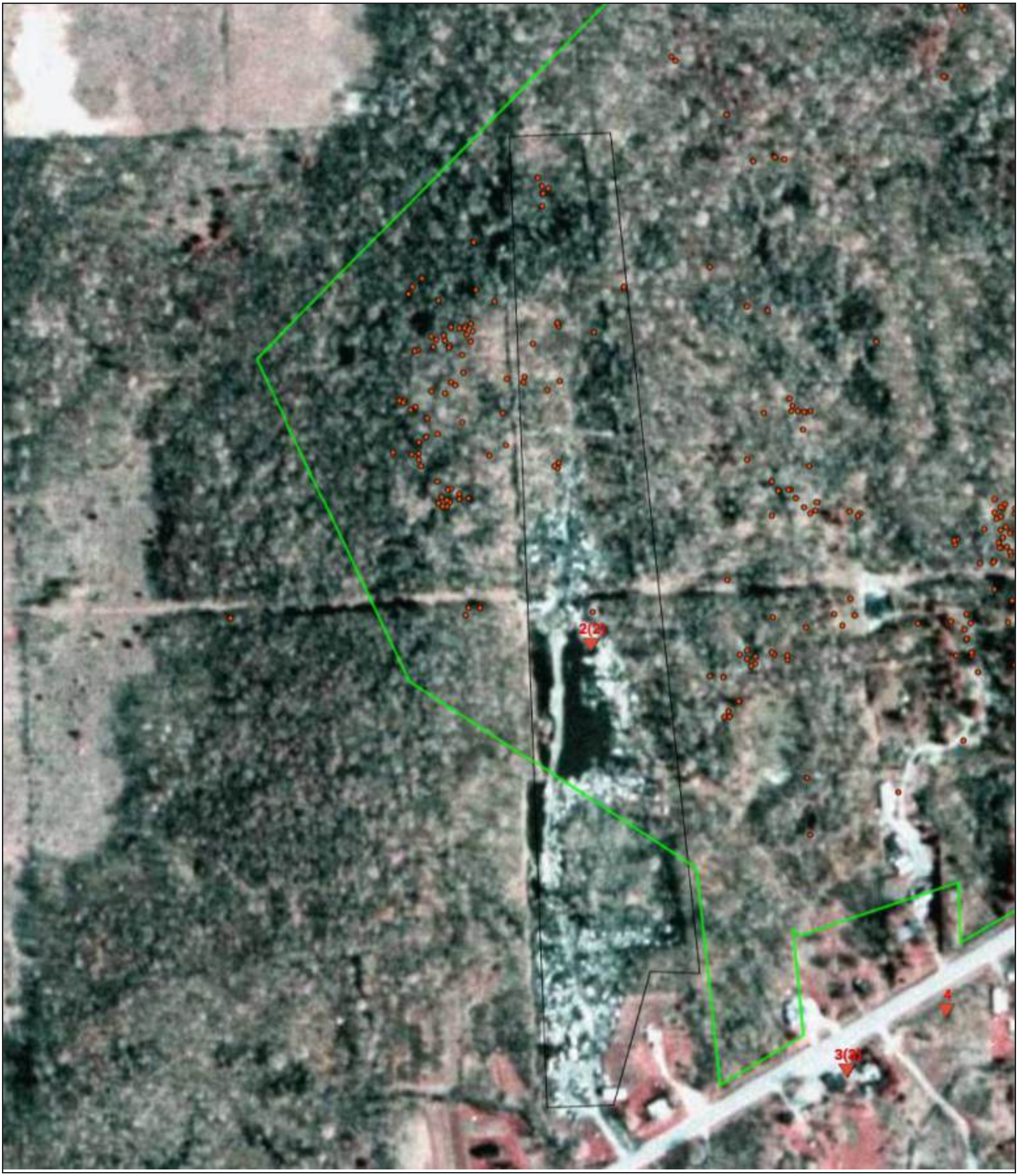
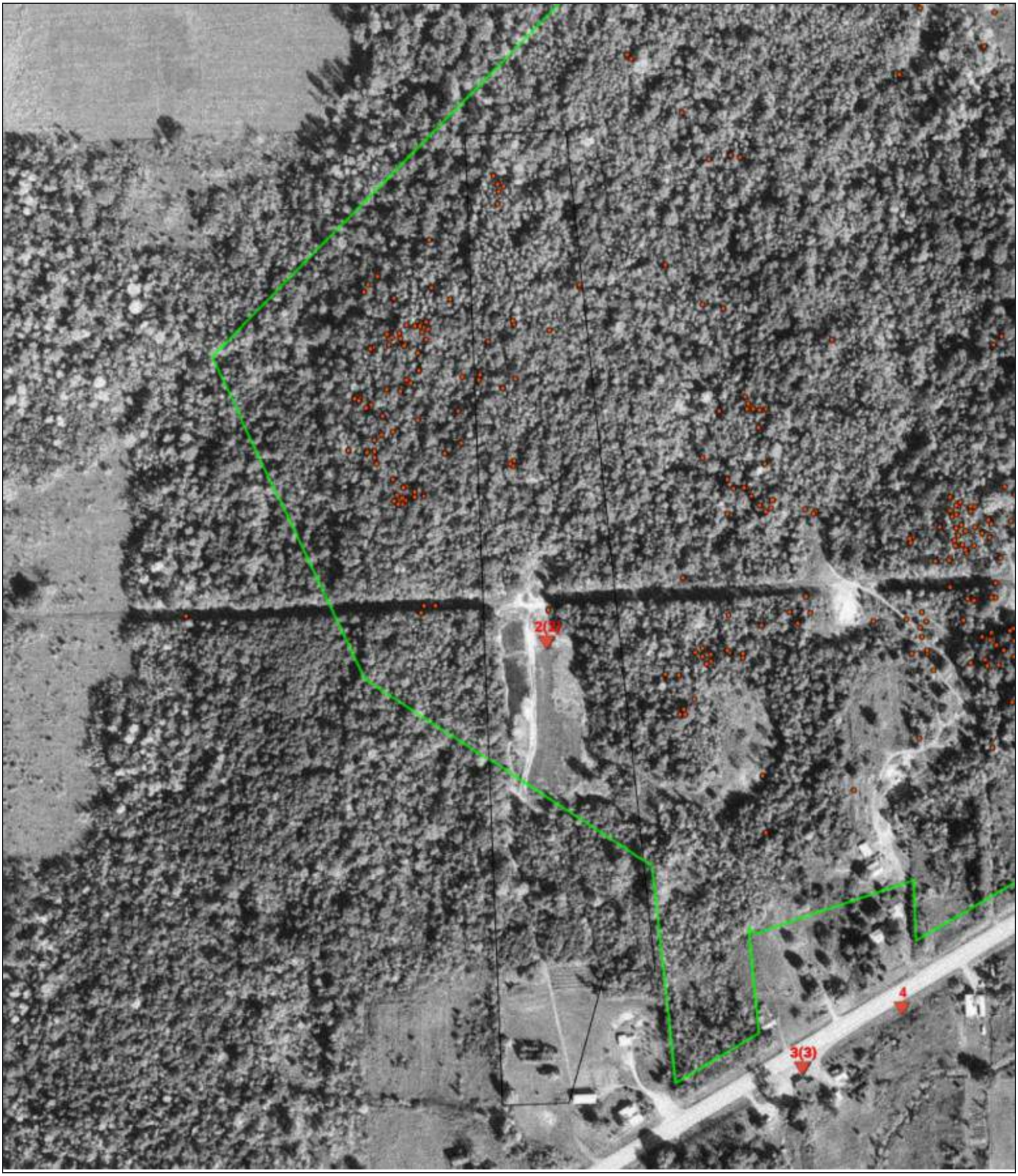
Mead & Hunt



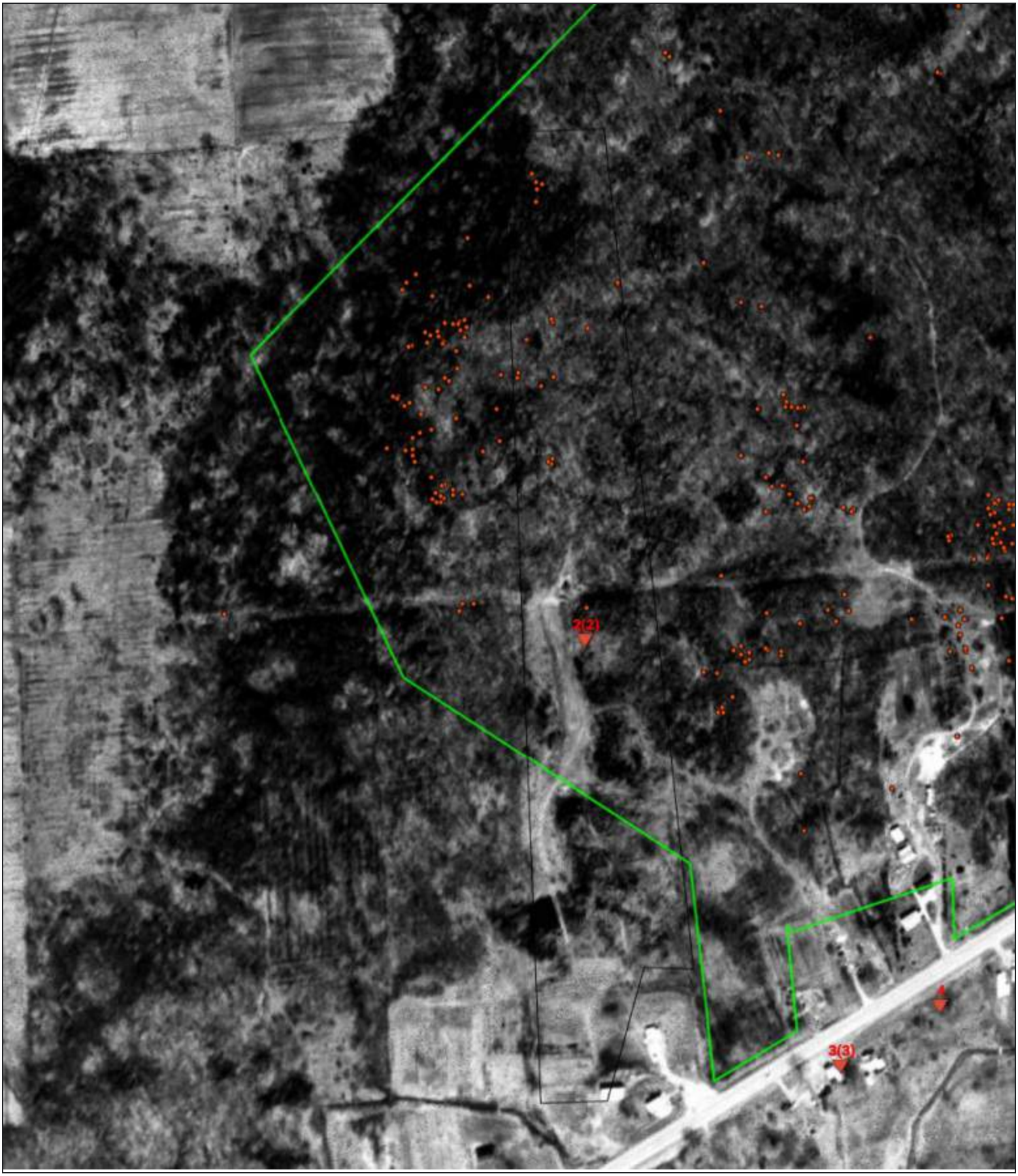

Source/Year : United States Geological Survey, 1983

Mead & Hunt




Source/Year : United States Geological Survey, 1973

Mead & Hunt

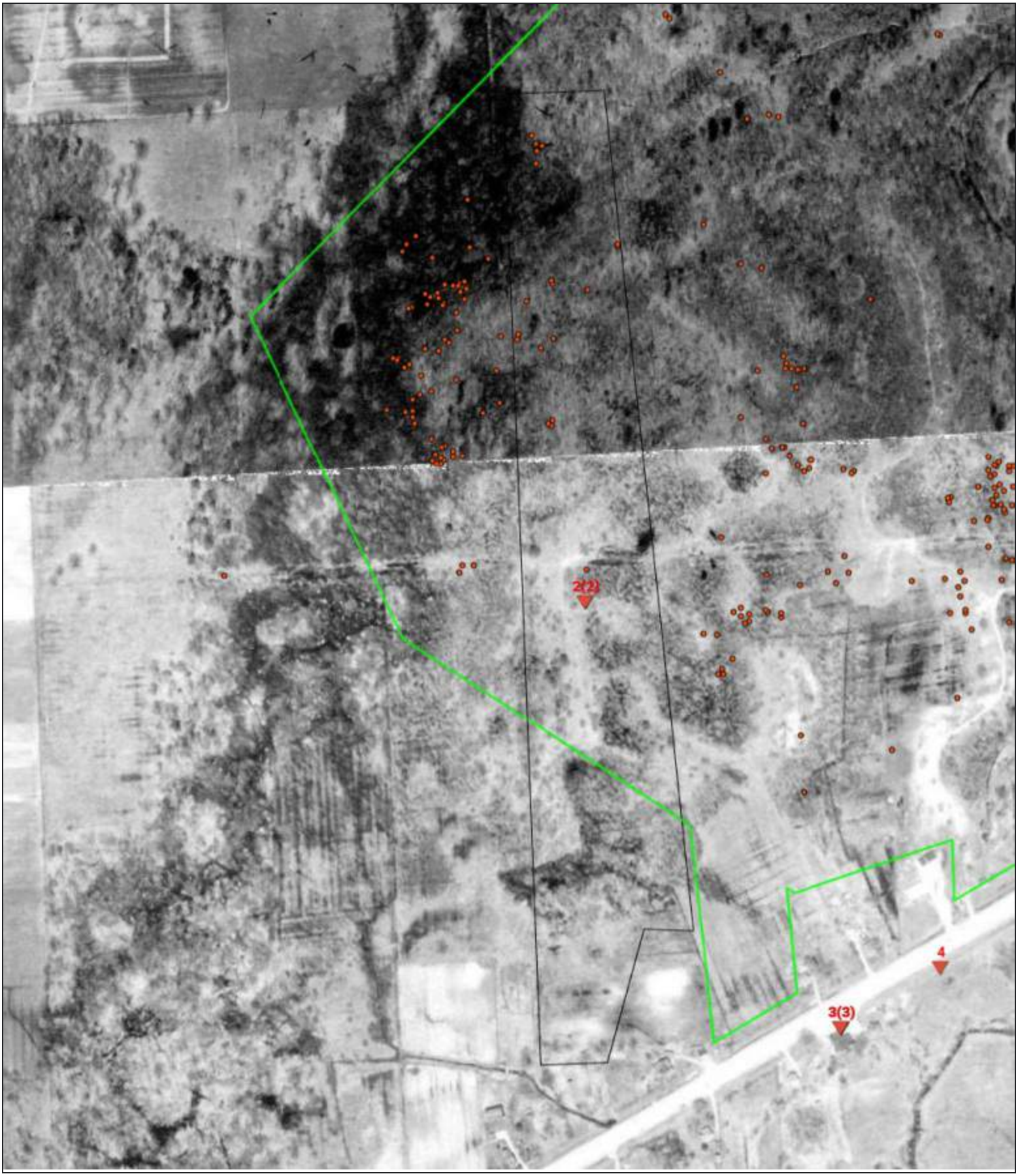



Source/Year : United States Geological Survey, 1967

Mead & Hunt

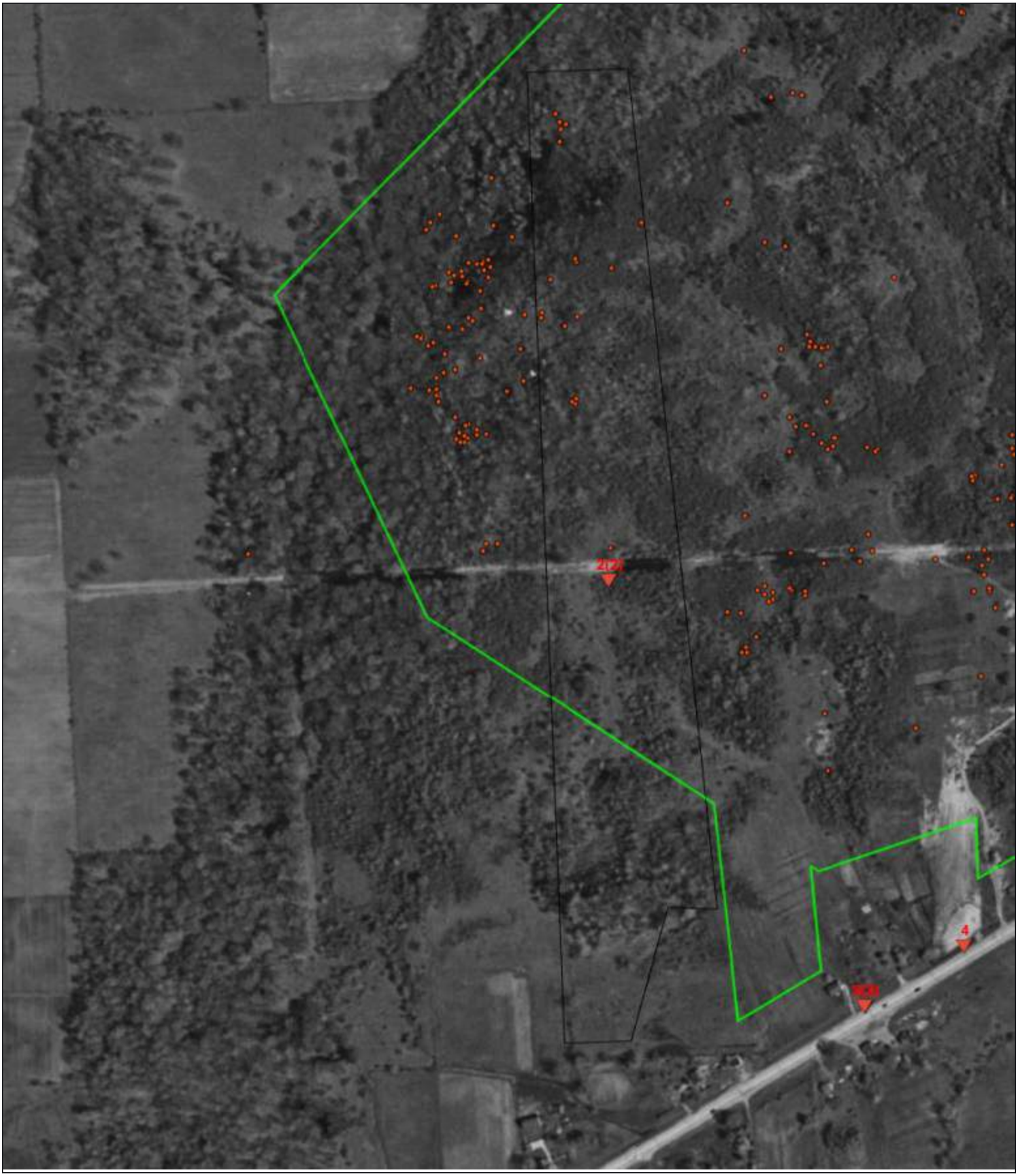

Source/Year : Agricultural Stabilization & Conserv. Service, 1964

Mead & Hunt



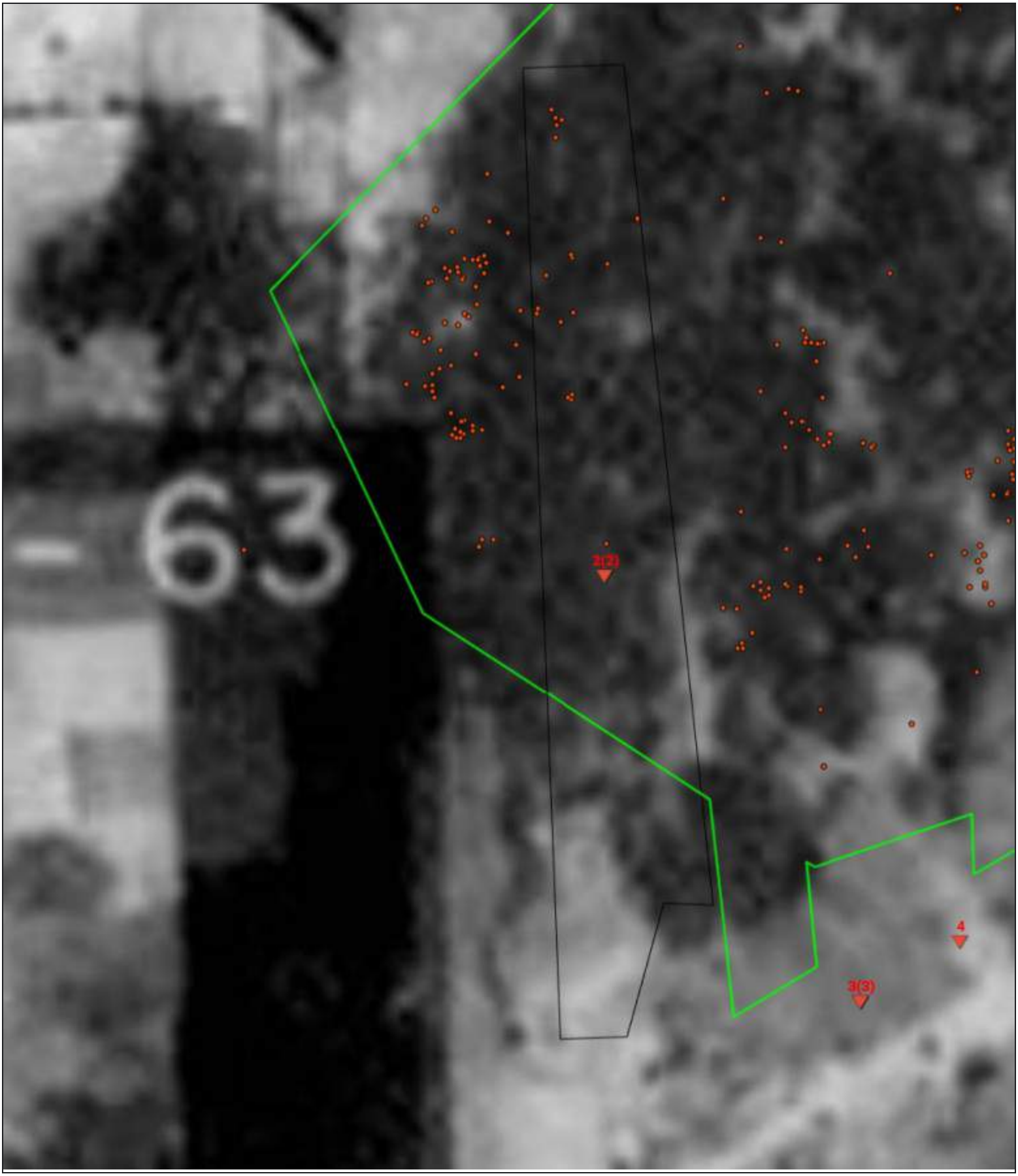

Source/Year : Detroit Edison, 1956

Mead & Hunt



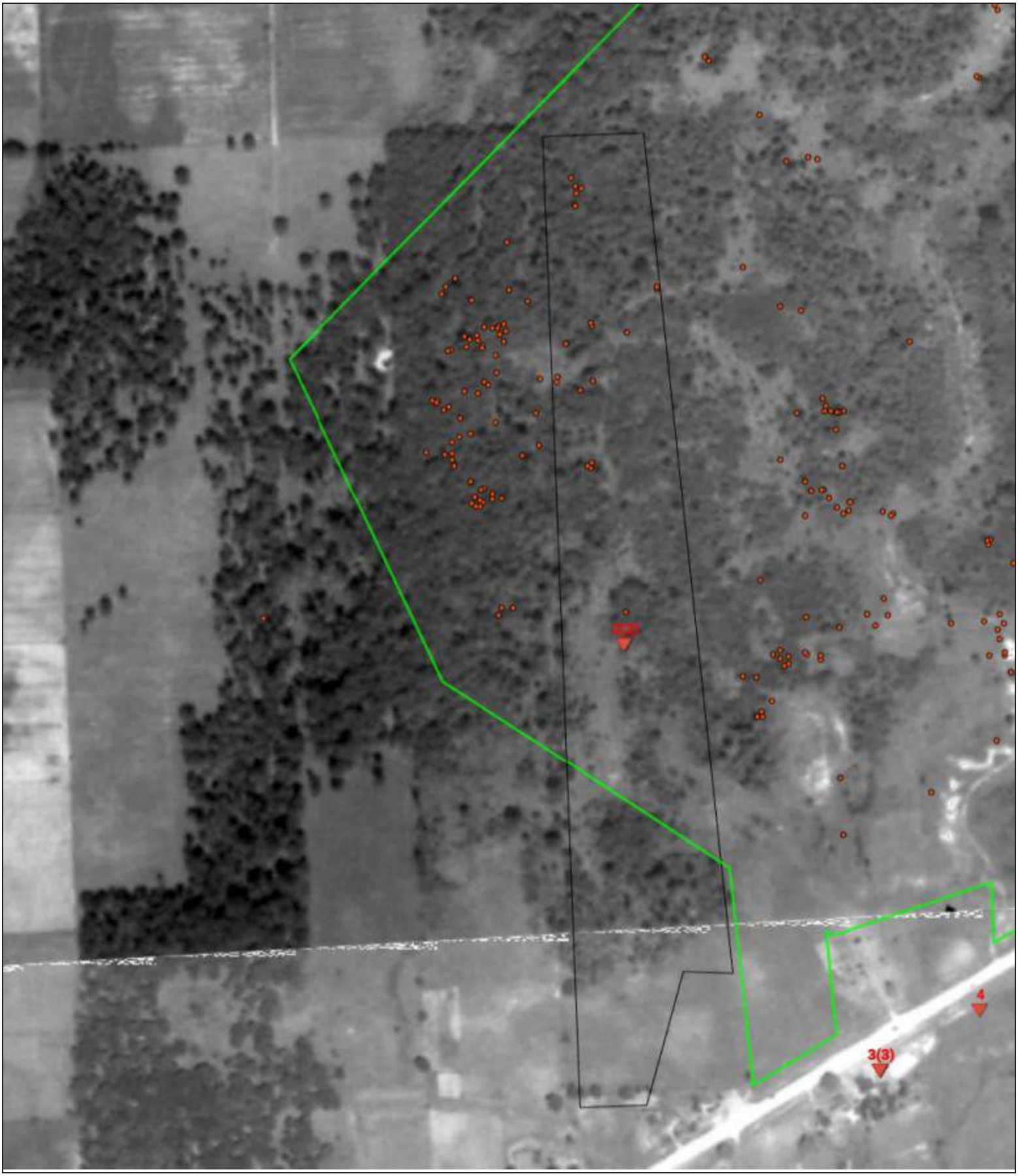

Source/Year : United States Geological Survey, 1951

Mead & Hunt




Source/Year : Agricultural Stabilization & Conserv. Service, 1941

Mead & Hunt




Source/Year : Agricultural Stabilization & Conserv. Service, 1938

Mead&Hunt